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

DATA PACKAGE

VOLATILE ORGANICS
GENERAL CHEMISTRY
METALS
GC SEMI-VOLATILES
SEMI-VOLATILE ORGANICS

PROJECT NAME : PERTH AMBOY

ROMAN E&G CORP

14 Ogden St

Newark, NJ - 07104

Phone No: 973-482-1123

ORDER ID : P4258

ATTENTION : Mark Mattheiss

Laboratory Certification ID # 20012

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Cover Page

Order ID : P4258

Project ID : Perth Amboy

Client : Roman E&G Corp

Lab Sample Number	Client Sample Number
P4258-01	Chamberlain Ave
P4258-02	Chamberlain Ave
P4258-03	Chamberlain Ave
P4258-04	Chamberlain Ave

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : _____

Date: 10/24/2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

Roman E&G Corp
Project Name: Perth Amboy
Project # N/A
Chemtech Project # P4258
Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:
4 Solid samples were received on 10/01/2024.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Ammonia, ASTM Ammonia, ASTM COD, ASTM Leach Extraction, ASTM Oil and Grease, ASTM TS, COD, Corrosivity, GROWS Concrete, GROWS Concrete ASTM, GROWS Soil, GROWS Soil-Waste Class, Ignitability, Oil and Grease, Paint Filter, PCB, pH, Reactive Cyanide, Reactive Sulfide, TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP Mercury, TCLP Metals + Cu+Ni+Zn, TCLP Pesticide, TCLP VOA, TCLP ZHE Extraction, TCLP-FULL, TS, TVS and VOC-TCLVOA-10. This data package contains results for VOC-TCLVOA-10.

C. Analytical Techniques:
The analysis performed on instrument MSVOA_Y were done using GC column Rxi-624Sil MS, which is 30 meters, 0.25 mm id, 1.4 um df, Restek Cat. #13868. The Trap was supplied by Supelco, VOCARB 3000, ATOMAX XYZ Concentrator.The analysis of VOC-TCLVOA-10 was based on method 8260D.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.

The Internal Standards Areas met the acceptable requirements except for Chamberlain Ave, Chamberlain AveRE the failure sample in Internal standard was reanalyzed to confirm the failure as per method and reported.

The Retention Times were acceptable for all samples.
The RPD met criteria .
The Blank Spike met requirements for all samples .
The Blank Spike Duplicate met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.

The %RSD is greater than 15% in the Initial Calibration method (82Y090924S.M) for Dichlorodifluoromethane this compound is passing on Linear Regression.

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The Continuous Calibration File ID VY019756.D met the requirements except for Dichlorodifluoromethane failing marginally low and Bromochloromethane and t-1,3-Dichloropropene failing high but no positive hit in associated sample therefore no corrective action taken.

The Continuous Calibration File ID VY019776.D met the requirements except for Bromochloromethane failing high but no positive hit in associated sample therefore no corrective action taken.

The Tuning criteria met requirements.

E. Additional Comments:
The temperature of the samples at the time of receipt was 22.1°C, Lab notified this issue to the client. See the communication in shipping Document section.

Samples for MS/MSD for VOC analysis were not provided with this set of samples. The Blank Spike Duplicate is reported with the data.
Trip Blank was not provided with this set of samples.
The soil samples results are based on a dry weight basis.
Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

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CASE NARRATIVE

Roman E&G Corp
Project Name: Perth Amboy
Project # N/A
Chemtech Project # P4258
Test Name: TCLP VOA

A. Number of Samples and Date of Receipt:
4 Solid samples were received on 10/01/2024.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Ammonia, ASTM Ammonia, ASTM COD, ASTM Leach Extraction, ASTM Oil and Grease, ASTM TS, COD, Corrosivity, GROWS Concrete, GROWS Concrete ASTM, GROWS Soil, GROWS Soil-Waste Class, Ignitability, Oil and Grease, Paint Filter, PCB, pH, Reactive Cyanide, Reactive Sulfide, TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP Mercury, TCLP Metals + Cu+Ni+Zn, TCLP Pesticide, TCLP VOA, TCLP ZHE Extraction, TCLP-FULL, TS, TVS and VOC-TCLVOA-10. This data package contains results for TCLP VOA.

C. Analytical Techniques:
The analysis performed on instrument MSVOA_N were done using GC column RXI-624SIL MS 30m 0.25mm 1.4 um. Cat#13868.The analysis of TCLP VOA was based on method 8260D and TCLP extraction method was 1311.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The RPD met criteria .
The Blank Spike met requirements for all samples .
The Blank Spike Duplicate met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .
The Continuous Calibration met the requirements .
The Tuning criteria met requirements.

E. Additional Comments:
The temperature of the samples at the time of receipt was 22.1°C, Lab notified this issue to the client. See the communication in shipping Document section.

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Samples for MS/MSD for VOC analysis were not provided with this set of samples. The Blank Spike Duplicate is reported with the data.
Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

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CASE NARRATIVE

Roman E&G Corp
Project Name: Perth Amboy
Project # N/A
Chemtech Project # P4258
Test Name: SVOC-TCL BNA -20

A. Number of Samples and Date of Receipt:
4 Solid samples were received on 10/01/2024.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Ammonia, Anions Group1, ASTM Ammonia, ASTM COD, ASTM Leach Extraction, ASTM Oil and Grease, ASTM TS, COD, Corrosivity, EPH, GROWS Concrete, GROWS Concrete ASTM, GROWS Soil, GROWS Soil-Waste Class, Herbicide, Hexavalent Chromium, Ignitability, Mercury, Metals Group1, Metals ICP-Group1, Metals ICP-TAL, METALS-TAL, Oil and Grease, Paint Filter, PCB, Pesticide-TCL, pH, Reactive Cyanide, Reactive Sulfide, SVOC-TCL BNA -20, TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP Mercury, TCLP Metals + Cu+Ni+Zn, TCLP Pesticide, TCLP VOA, TCLP ZHE Extraction, TCLP-FULL, TS, TVS and VOC-TCLVOA-10. This data package contains results for SVOC-TCL BNA -20.

C. Analytical Techniques:
The samples were analyzed on instrument BNA_F using GC Column DB-UI 8270D which is 20 meters, 0.18 mm ID, 0.36 um df The analysis of SVOC-TCL BNA -20 was based on method 8270E and extraction was done based on method 3541.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria except for PB164071BS [Terphenyl-d14 - 113%], as per method two surrogates are allowed to failed, no corrective action was taken.

The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds .
The MSD recoveries met the acceptable requirements .
The RPD met criteria .

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The Blank Spike for {PB164071BS} with File ID: BF139921.D met requirements for all samples except for 2,4-Dinitrotoluene[112%], 2-Nitroaniline[106%], 2-Nitrophenol [112%], 4,6-Dinitro-2-methylphenol[141%], Acenaphthene[106%], Benzo(a)anthracene [106%], Benzo(a)pyrene[112%], Butylbenzylphthalate[112%], Chrysene[106%], Dimethylphthalate[100%], Hexachlorobenzene[100%], Hexachlorocyclopentadiene [188%], Indeno(1,2,3-cd)pyrene[118%], Isophorone[100%], N-Nitrosodiphenylamine [100%] and Pyrene[112%], The associate samples have no positive hit for these compounds therefore no corrective action was taken.

The Blank analysis did not indicate the presence of lab contamination.

The % RSD is greater than 20% in the Initial Calibration (8270-BF101824.M) for 2,4-Dinitrophenol, this compound is passing on Linear Regression

The Continuous Calibration File ID BF139787.D met the requirements except for 4-Nitroaniline, marginally low and Di-n-octyl phthalate failing high, but The associate samples have no positive hit for these compounds therefore no corrective action was taken.

The Continuous Calibration File ID BF139917.D met the requirements except for 2,4-Dinitrophenol and 4,6-Dinitro-2-methylphenol, The associate samples have no positive hit for these compounds therefore no corrective action was taken.

The Tuning criteria met requirements.

E. Additional Comments:
The temperature of the samples at the time of receipt was 22.1°C, Lab notified this issue to the client. See the communication in shipping Document section.
The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.
Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

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CASE NARRATIVE

Roman E&G Corp
Project Name: Perth Amboy
Project # N/A
Chemtech Project # P4258
Test Name: TCLP BNA

A. Number of Samples and Date of Receipt:
4 Solid samples were received on 10/01/2024.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Ammonia, Anions Group1, ASTM Ammonia, ASTM COD, ASTM Leach Extraction, ASTM Oil and Grease, ASTM TS, COD, Corrosivity, EPH, GROWS Concrete, GROWS Concrete ASTM, GROWS Soil, GROWS Soil-Waste Class, Herbicide, Hexavalent Chromium, Ignitability, Mercury, Metals Group1, Metals ICP-Group1, Metals ICP-TAL, METALS-TAL, Oil and Grease, Paint Filter, PCB, Pesticide-TCL, pH, Reactive Cyanide, Reactive Sulfide, SVOC-TCL BNA -20, TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP Mercury, TCLP Metals + Cu+Ni+Zn, TCLP Pesticide, TCLP VOA, TCLP ZHE Extraction, TCLP-FULL, TS, TVS and VOC-TCLVOA-10. This data package contains results for TCLP BNA.

C. Analytical Techniques:
The samples were analyzed on instrument BNA_F using GC Column DB-UI 8270D which is 20 meters, 0.18 mm ID, 0.36 um df The analysis of TCLP BNA was based on method 8270E and extraction was done based on method 3510 and TCLP extraction method was 1311.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds .
The MSD recoveries met the acceptable requirements .
The RPD met criteria .
The Blank Spike met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .
The Continuous Calibration met the requirements .
The Tuning criteria met requirements.

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E. Additional Comments:
The temperature of the samples at the time of receipt was 22.1°C, Lab notified this issue to the client. See the communication in shipping Document section.
The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.
Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

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CASE NARRATIVE

Roman E&G Corp
Project Name: Perth Amboy
Project # N/A
Chemtech Project # P4258
Test Name: Pesticide-TCL

A. Number of Samples and Date of Receipt:
4 Solid samples were received on 10/01/2024.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Ammonia, Anions Group1, ASTM Ammonia, ASTM COD, ASTM Leach Extraction, ASTM Oil and Grease, ASTM TS, COD, Corrosivity, EPH, GROWS Concrete, GROWS Concrete ASTM, GROWS Soil, GROWS Soil-Waste Class, Herbicide, Hexavalent Chromium, Ignitability, Mercury, Metals Group1, Metals ICP-Group1, Metals ICP-TAL, METALS-TAL, Oil and Grease, Paint Filter, PCB, Pesticide-TCL, pH, Reactive Cyanide, Reactive Sulfide, SVOC-TCL BNA -20, TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP Mercury, TCLP Metals + Cu+Ni+Zn, TCLP Pesticide, TCLP VOA, TCLP ZHE Extraction, TCLP-FULL, TS, TVS and VOC-TCLVOA-10. This data package contains results for Pesticide-TCL.

C. Analytical Techniques:
The analysis was performed on instrument ECD_L. The front column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 um df, Catalog #: 7HMG017- 11 The rear column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0. 5 um df,: Catalog # 7HM-G016-17. .The analysis of Pesticide-TCLs was based on method 8081B and extraction was done based on method 3541.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds .
The MSD recoveries met the acceptable requirements .
The RPD met criteria .
The Blank Spike met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .
The Continuous Calibration met the requirements .

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E. Additional Comments:
The temperature of the samples at the time of receipt was 22.1°C, Lab notified this issue to the client. See the communication in shipping Document section.

The soil samples results are based on a dry weight basis.

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

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CASE NARRATIVE

Roman E&G Corp
Project Name: Perth Amboy
Project # N/A
Chemtech Project # P4258
Test Name: TCLP Pesticide

A. Number of Samples and Date of Receipt:
4 Solid samples were received on 10/01/2024.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Ammonia, Anions Group1, ASTM Ammonia, ASTM COD, ASTM Leach Extraction, ASTM Oil and Grease, ASTM TS, COD, Corrosivity, EPH, GROWS Concrete, GROWS Concrete ASTM, GROWS Soil, GROWS Soil-Waste Class, Herbicide, Hexavalent Chromium, Ignitability, Mercury, Metals Group1, Metals ICP-Group1, Metals ICP-TAL, METALS-TAL, Oil and Grease, Paint Filter, PCB, Pesticide-TCL, pH, Reactive Cyanide, Reactive Sulfide, SVOC-TCL BNA -20, TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP Mercury, TCLP Metals + Cu+Ni+Zn, TCLP Pesticide, TCLP VOA, TCLP ZHE Extraction, TCLP-FULL, TS, TVS and VOC-TCLVOA-10. This data package contains results for TCLP Pesticide.

C. Analytical Techniques:
The analysis was performed on instrument ECD_L. The front column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 um df, Catalog #: 7HMG017- 11 The rear column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0. 5 um df,: Catalog # 7HM-G016-17. .The analysis of TCLP Pesticides was based on method 8081B and extraction was done based on method 3510 and TCLP extraction method was 1311.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds .
The MSD recoveries met the acceptable requirements .
The RPD met criteria .
The Blank Spike met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .
The Continuous Calibration met the requirements .

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E. Additional Comments:
The temperature of the samples at the time of receipt was 22.1°C, Lab notified this issue to the client. See the communication in shipping Document section.

F. Manual Integration Comments:
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CASE NARRATIVE

Roman E&G Corp
Project Name: Perth Amboy
Project # N/A
Chemtech Project # P4258
Test Name: PCB

A. Number of Samples and Date of Receipt:
4 Solid samples were received on 10/01/2024.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Ammonia, ASTM Ammonia, ASTM COD, ASTM Leach Extraction, ASTM Oil and Grease, ASTM TS, COD, Corrosivity, GROWS Concrete, GROWS Concrete ASTM, GROWS Soil, GROWS Soil-Waste Class, Ignitability, Oil and Grease, Paint Filter, PCB, pH, Reactive Cyanide, Reactive Sulfide, TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP Mercury, TCLP Metals + Cu+Ni+Zn, TCLP Pesticide, TCLP VOA, TCLP ZHE Extraction, TCLP-FULL, TS, TVS and VOC-TCLVOA-10. This data package contains results for PCB.

C. Analytical Techniques:
The analyses were performed on instrument GCECD_P. The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0.5 um df, Catalogue # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 µm; Catalogue # 7HM-G017-11.The analysis of PCBs was based on method 8082A and extraction was done based on method 3541.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds .
The MSD recoveries met the acceptable requirements .
The RPD met criteria .
The Blank Spike met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .

The Continuous Calibration File ID PP067441.D met the requirements except for Aroclor-1260(Peak-02),Aroclor-1260(Peak-03) is failing in 1st column but passing in 2nd column therefore no corrective action taken.

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E. Additional Comments:
The temperature of the samples at the time of receipt was 22.1°C,Lab notified this issue to the client. See the communication in shipping Document section.

The soil samples results are based on a dry weight basis.

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

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CASE NARRATIVE

Roman E&G Corp
Project Name: Perth Amboy
Project # N/A
Chemtech Project # P4258
Test Name: Herbicide

A. Number of Samples and Date of Receipt:
4 Solid samples were received on 10/01/2024.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Ammonia, Anions Group1, ASTM Ammonia, ASTM COD, ASTM Leach Extraction, ASTM Oil and Grease, ASTM TS, COD, Corrosivity, EPH, GROWS Concrete, GROWS Concrete ASTM, GROWS Soil, GROWS Soil-Waste Class, Herbicide, Hexavalent Chromium, Ignitability, Mercury, Metals Group1, Metals ICP-Group1, Metals ICP-TAL, METALS-TAL, Oil and Grease, Paint Filter, PCB, Pesticide-TCL, pH, Reactive Cyanide, Reactive Sulfide, SVOC-TCL BNA -20, TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP Mercury, TCLP Metals + Cu+Ni+Zn, TCLP Pesticide, TCLP VOA, TCLP ZHE Extraction, TCLP-FULL, TS, TVS and VOC-TCLVOA-10. This data package contains results for Herbicide.

C. Analytical Techniques:
The analysis was performed on instrument ECD_S. The front column is RTX-CLPesticides which is 30 meters, 0.32 mm ID, 0. 5 um df,: Catalog # 11139. The rear column is RTX-CLPesticides2 which is 30 meters, 0.32 mm ID, 0.25 um df, Catalog #: 11324The analysis of Herbicides was based on method 8151A and extraction was done based on method 3541.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Retention Times were acceptable for all samples.

The MS {P4385-02MS} with File ID: PS027910.D recoveries met the requirements for all compounds except for Dinoseb[0%] due to matrix interference.
The MSD {P4385-02MSD} with File ID: PS027911.D recoveries met the acceptable requirements except for Dinoseb[0%] due to matrix interference.
The RPD for {P4385-02MSD} with File ID: PS027911.D met criteria except for 2,4-DB[47%] due to difference in results of MS and MSD.

The Blank Spike met requirements for all samples .

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The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .
The Continuous Calibration met the requirements .

E. Additional Comments:
The temperature of the samples at the time of receipt was 22.1°C, Lab notified this issue to the client. See the communication in shipping Document section.

The soil samples results are based on a dry weight basis.

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

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

CASE NARRATIVE

Roman E&G Corp
Project Name: Perth Amboy
Project # N/A
Chemtech Project # P4258
Test Name: TCLP Herbicide

A. Number of Samples and Date of Receipt:
4 Solid samples were received on 10/01/2024.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Ammonia, ASTM Ammonia, ASTM COD, ASTM Leach Extraction, ASTM Oil and Grease, ASTM TS, COD, Corrosivity, GROWS Concrete, GROWS Concrete ASTM, GROWS Soil, GROWS Soil-Waste Class, Ignitability, Oil and Grease, Paint Filter, PCB, pH, Reactive Cyanide, Reactive Sulfide, TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP Mercury, TCLP Metals + Cu+Ni+Zn, TCLP Pesticide, TCLP VOA, TCLP ZHE Extraction, TCLP-FULL, TS, TVS and VOC-TCLVOA-10. This data package contains results for TCLP Herbicide.

C. Analytical Techniques:
The analysis was performed on instrument ECD_S. The front column is RTX-CLPesticides which is 30 meters, 0.32 mm ID, 0. 5 um df,: Catalog # 11139. The rear column is RTX-CLPesticides2 which is 30 meters, 0.32 mm ID, 0.25 um df, Catalog #: 11324The analysis of TCLP Herbicides was based on method 8151A and extraction was done based on method 3510 and TCLP extraction method was 1311.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds .

The MSD {P4258-04MSD} with File ID: PS027837.D recoveries met the acceptable requirements except for 2,4,5-TP(Silvex)[149%] Due to matrix interference.

The RPD met criteria .
The Blank Spike met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .
The Continuous Calibration met the requirements .

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E. Additional Comments:
The temperature of the samples at the time of receipt was 22.1°C, Lab notified this issue to the client. See the communication in shipping Document section.

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

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CASE NARRATIVE

Roman E&G Corp
Project Name: Perth Amboy
Project # N/A
Chemtech Project # P4258
Test Name: EPH

A. Number of Samples and Date of Receipt:
4 Solid samples were received on 10/01/2024.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Ammonia, Anions Group1, ASTM Ammonia, ASTM COD, ASTM Leach Extraction, ASTM Oil and Grease, ASTM TS, COD, Corrosivity, EPH, GROWS Concrete, GROWS Concrete ASTM, GROWS Soil, GROWS Soil-Waste Class, Herbicide, Hexavalent Chromium, Ignitability, Mercury, Metals Group1, Metals ICP-Group1, Metals ICP-TAL, METALS-TAL, Oil and Grease, Paint Filter, PCB, Pesticide-TCL, pH, Reactive Cyanide, Reactive Sulfide, SVOC-TCL BNA -20, TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP Mercury, TCLP Metals + Cu+Ni+Zn, TCLP Pesticide, TCLP VOA, TCLP ZHE Extraction, TCLP-FULL, TS, TVS and VOC-TCLVOA-10. This data package contains results for EPH.

C. Analytical Techniques:
The analysis were performed on instrument FID_C. The column is RXI-1MS which is 20 meters, 0.18mm ID, 0.18 um df, catalog 10224.The analyses were performed on instrument FID_D. The column is RXI-1MS which is 20 meters, 0.18mm ID, 0.18 um df, catalog 10224.The analysis of EPHs was based on method NJEPH and extraction was done based on method 3541.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds .
The MSD recoveries met the acceptable requirements .
The RPD met criteria .
The Blank Spike met requirements for all samples .
The Blank Spike Duplicate met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .
The Continuous Calibration met the requirements .

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Phone: 908 789 8900 Fax: 908 789 8922

E. Additional Comments:
The temperature of the samples at the time of receipt was 22.1°C, Lab notified this issue to the client. See the communication in shipping Document section.

The soil samples results are based on a dry weight basis.

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

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Signature_____

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CASE NARRATIVE

Roman E&G Corp
Project Name: Perth Amboy
Project # N/A
Chemtech Project # P4258
Test Name: Metals ICP-TAL,Mercury

A. Number of Samples and Date of Receipt:
4 Solid samples were received on 10/01/2024.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: Ammonia, Anions Group1, ASTM Ammonia, ASTM COD, ASTM Leach Extraction, ASTM Oil and Grease, ASTM TS, COD, Corrosivity, EPH, GROWS Concrete, GROWS Concrete ASTM, GROWS Soil, GROWS Soil-Waste Class, Herbicide, Hexavalent Chromium, Ignitability, Mercury, Metals Group1, Metals ICP-Group1, Metals ICP-TAL, METALS-TAL, Oil and Grease, Paint Filter, PCB, Pesticide-TCL, pH, Reactive Cyanide, Reactive Sulfide, SVOC-TCL BNA -20, TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP Mercury, TCLP Metals + Cu+Ni+Zn, TCLP Pesticide, TCLP VOA, TCLP ZHE Extraction, TCLP-FULL, TS, TVS and VOC-TCLVOA-10. This data package contains results for Metals ICP-TAL,Mercury.

C. Analytical Techniques:
The analysis of Metals ICP-TAL was based on method 6010D, digestion based on method 3050 (soils). The analysis and digestion of Mercury was based on method 7471B.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Blank Spike met requirements for all samples.
The Duplicate analysis met criteria for all samples.
The Matrix Spike (SP-10MS) analysis met criteria for all samples except for Antimony, Copper, Potassium and Selenium due to Chemical interference during Digestion Process.
The Matrix Spike Duplicate (SP-10MSD) analysis met criteria for all samples except for Copper, Potassium, Selenium, Sodium, Vanadium and Zinc due to Chemical Interference during Digestion Process.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.
The Serial Dilution met criteria for all samples.

E. Additional Comments:
In analytical sequence LB133014, The % Recovery outside the limit for Iron and Manganese, but no any sample associated under this CCV.
The temperature of the samples at the time of receipt was 22.1°C, Lab notified this issue to the client. See the communication in shipping Document section.

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CASE NARRATIVE

Roman E&G Corp
Project Name: Perth Amboy
Project # N/A
Chemtech Project # P4258
Test Name: TCLP Mercury,TCLP Metals + Cu+Ni+Zn

A. Number of Samples and Date of Receipt:
4 Solid samples were received on 10/01/2024.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: Ammonia, Anions Group1, ASTM Ammonia, ASTM COD, ASTM Leach Extraction, ASTM Oil and Grease, ASTM TS, COD, Corrosivity, EPH, GROWS Concrete, GROWS Concrete ASTM, GROWS Soil, GROWS Soil-Waste Class, Herbicide, Hexavalent Chromium, Ignitability, Mercury, Metals Group1, Metals ICP-Group1, Metals ICP-TAL, METALS-TAL, Oil and Grease, Paint Filter, PCB, Pesticide-TCL, pH, Reactive Cyanide, Reactive Sulfide, SVOC-TCL BNA -20, TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP Mercury, TCLP Metals + Cu+Ni+Zn, TCLP Pesticide, TCLP VOA, TCLP ZHE Extraction, TCLP-FULL, TS, TVS and VOC-TCLVOA-10. This data package contains results for TCLP Mercury,TCLP Metals + Cu+Ni+Zn.

C. Analytical Techniques:
The analysis of TCLP Metals + Cu+Ni+Zn was based on method 6010D, digestion based on method 3010 (waters). The analysis and digestion of TCLP Mercury was based on method 7470A and TCLP extraction method was 1311.

D. QA/ QC Samples:

The Holding Times were met for all analysis.
The Blank Spike met requirements for all samples.
The Duplicate analysis met criteria for all samples.
The Matrix Spike analysis met criteria for all samples.
The Matrix Spike Duplicate analysis met criteria for all samples.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.
The Serial Dilution met the acceptable requirements.

E. Additional Comments:

The temperature of the samples at the time of receipt was 22.1°C, Lab notified this issue to the client. See the communication in shipping Document section.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

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CASE NARRATIVE

Roman E&G Corp
Project Name: Perth Amboy
Project # N/A
Chemtech Project # P4258
Test Name: Hexavalent Chromium,ASTM Ammonia,TS,Oil and Grease,Corrosivity,pH,Paint Filter,ASTM TS,TVS,Ammonia,ASTM COD,COD,Anions Group1,Ignitability,ASTM Oil and Grease,Reactive Cyanide,Reactive Sulfide

A. Number of Samples and Date of Receipt:
4 Solid samples were received on 10/01/2024.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: Ammonia, Anions Group1, ASTM Ammonia, ASTM COD, ASTM Leach Extraction, ASTM Oil and Grease, ASTM TS, COD, Corrosivity, EPH, GROWS Concrete, GROWS Concrete ASTM, GROWS Soil, GROWS Soil-Waste Class, Herbicide, Hexavalent Chromium, Ignitability, Mercury, Metals Group1, Metals ICP-Group1, Metals ICP-TAL, METALS-TAL, Oil and Grease, Paint Filter, PCB, Pesticide-TCL, pH, Reactive Cyanide, Reactive Sulfide, SVOC-TCL BNA -20, TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP Mercury, TCLP Metals + Cu+Ni+Zn, TCLP Pesticide, TCLP VOA, TCLP ZHE Extraction, TCLP-FULL, TS, TVS and VOC-TCLVOA-10. This data package contains results for Hexavalent Chromium,ASTM Ammonia,TS,Oil and Grease,Corrosivity,pH,Paint Filter,ASTM TS,TVS,Ammonia,ASTM COD,COD,Anions Group1,Ignitability,ASTM Oil and Grease,Reactive Cyanide,Reactive Sulfide.

C. Analytical Techniques:
The analysis of Ignitability was based on method 1030, The analysis of TVS was based on method 160.4, The analysis of ASTM Oil and Grease,Oil and Grease was based on method 1664A, The analysis of Hexavalent Chromium was based on method 7196A, The analysis of Reactive Cyanide was based on method 9012B, The analysis of Reactive Sulfide was based on method 9034, The analysis of Corrosivity,pH was based on method 9045D, The analysis of Anions Group1 was based on method 9056A, The analysis of Paint Filter was based on method 9095B, The analysis of ASTM TS,TS was based on method SM2540 B, The analysis of Ammonia,ASTM Ammonia was based on method SM4500-NH3 and The analysis of ASTM COD,COD was based on method SM5220 D.

D. QA/ QC Samples:
The Holding Times were met for all samples except for Chamberlain Ave of pH & for Chamberlain Ave of Corrosivity Due to sample receive out of hold.

The Blank Spike met requirements for all samples.
The Duplicate analysis met criteria for all samples.
The Matrix Spike (Chamberlain AveMS) analysis met criteria for all samples except for Oil and Grease due to matrix interferences.
The Matrix Spike Duplicate (Chamberlain AveMSD) analysis met criteria for all samples except for Oil and Grease due to matrix interferences.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.

E. Additional Comments: The temperature of the samples at the time of receipt was 22.1°C, Lab notified this issue to the client. See the communication in shipping Document section.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

284 Sheffield Street, Mountainside NJ 07092
Tel. 908-789-8900 Fax: 908-789-8922

DATA REPORTING QUALIFIERS- INORGANIC

For reporting results, the following " Results Qualifiers" are used:

J	Indicates the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL), but greater than or equal to the Instrument Detection Limit (IDL).
U	Indicates the analyte was analyzed for, but not detected.
ND	Indicates the analyte was analyzed for, but not detected
E	Indicates the reported value is estimated because of the presence of interference
M	Indicates Duplicate injection precision not met.
N	Indicates the spiked sample recovery is not within control limits.
S	Indicates the reported value was determined by the Method of Standard Addition (MSA).
*	Indicates that the duplicate analysis is not within control limits.
+	Indicates the correlation coefficient for the MSA is less than 0.995.
D	Indicates the reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
M	Method qualifiers **"P"** for ICP instrument **"PM"** for ICP when Microwave Digestion is used **"CV"** for Manual Cold Vapor AA **"AV"** for automated Cold Vapor AA **"CA"** for MIDI-Distillation Spectrophotometric **"AS"** for Semi –Automated Spectrophotometric **"C"** for Manual Spectrophotometric **"T"** for Titrimetric **"NR"** for analyte not required to be analyzed
OR	Indicates the analyte's concentration exceeds the calibrated range of the instrument for that specific analysis.
Q	Indicates the LCS did not meet the control limits requirements
H	Sample Analysis Out Of Hold Time

284 Sheffield Street, Mountainside NJ 07092 Tel.
908-789-8900 Fax: 908-789-8922

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value**.** This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: P4258

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	✓
All runlogs and manual integration are reviewed for requirements	✓
All manual calculations and /or hand notations verified	✓

QA Review Signature: MAYUR DESAI **Date:** 10/24/2024

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

Hit Summary Sheet
SW-846

SDG No.: P4258

Client: Roman E&G Corp

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID:	**Chamberlain Ave**								
P4258-03	Chamberlain Ave	SOIL	Benzene, 1,2,3,5-tetramethyl-	*	9.60	J	0	0	ug/Kg
P4258-03	Chamberlain Ave	SOIL	1-Phenyl-1-butene	*	12.6	J	0	0	ug/Kg
P4258-03	Chamberlain Ave	SOIL	Benzene, 2-ethyl-1,3-dimethyl-	*	16.8	J	0	0	ug/Kg
P4258-03	Chamberlain Ave	SOIL	n-propylbenzene	*	4.50	J	0.73	5.70	ug/Kg
P4258-03	Chamberlain Ave	SOIL	n-Butylbenzene	*	2.60	J	0.72	5.70	ug/Kg
			Total Tics :		46.1				
			Total Concentration:		46.1				

SAMPLE DATA

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

Report of Analysis

Client:	Roman E&G Corp	Date Collected:	10/01/24
Project:	Perth Amboy	Date Received:	10/01/24
Client Sample ID:	Chamberlain Ave	SDG No.:	P4258
Lab Sample ID:	P4258-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	86
Sample Wt/Vol:	5.08 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY019765.D	1		10/02/24 15:23	VY100224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.90	U	1.90	5.70	ug/Kg
74-87-3	Chloromethane	1.30	U	1.30	5.70	ug/Kg
75-01-4	Vinyl Chloride	0.88	U	0.88	5.70	ug/Kg
74-83-9	Bromomethane	1.20	U	1.20	5.70	ug/Kg
75-00-3	Chloroethane	1.20	U	1.20	5.70	ug/Kg
75-69-4	Trichlorofluoromethane	1.00	U	1.00	5.70	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.20	U	1.20	5.70	ug/Kg
75-35-4	1,1-Dichloroethene	0.89	U	0.89	5.70	ug/Kg
67-64-1	Acetone	7.10	U	7.10	28.6	ug/Kg
75-15-0	Carbon Disulfide	1.50	U	1.50	5.70	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.77	U	0.77	5.70	ug/Kg
79-20-9	Methyl Acetate	2.10	U	2.10	5.70	ug/Kg
75-09-2	Methylene Chloride	3.90	U	3.90	11.4	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.96	U	0.96	5.70	ug/Kg
75-34-3	1,1-Dichloroethane	0.72	U	0.72	5.70	ug/Kg
110-82-7	Cyclohexane	0.79	U	0.79	5.70	ug/Kg
78-93-3	2-Butanone	6.50	U	6.50	28.6	ug/Kg
56-23-5	Carbon Tetrachloride	1.00	U	1.00	5.70	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.70	U	0.70	5.70	ug/Kg
74-97-5	Bromochloromethane	2.80	U	2.80	5.70	ug/Kg
67-66-3	Chloroform	0.77	U	0.77	5.70	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.89	U	0.89	5.70	ug/Kg
108-87-2	Methylcyclohexane	1.00	U	1.00	5.70	ug/Kg
71-43-2	Benzene	0.82	U	0.82	5.70	ug/Kg
107-06-2	1,2-Dichloroethane	0.70	U	0.70	5.70	ug/Kg
79-01-6	Trichloroethene	0.86	U	0.86	5.70	ug/Kg
78-87-5	1,2-Dichloropropane	0.76	U	0.76	5.70	ug/Kg
75-27-4	Bromodichloromethane	0.64	U	0.64	5.70	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5.00	U	5.00	28.6	ug/Kg
108-88-3	Toluene	0.77	U	0.77	5.70	ug/Kg

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

Report of Analysis

Client:	Roman E&G Corp	Date Collected:	10/01/24
Project:	Perth Amboy	Date Received:	10/01/24
Client Sample ID:	Chamberlain Ave	SDG No.:	P4258
Lab Sample ID:	P4258-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	86
Sample Wt/Vol:	5.08 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY019765.D	1		10/02/24 15:23	VY100224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.69	U	0.69	5.70	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.65	U	0.65	5.70	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.96	U	0.96	5.70	ug/Kg
591-78-6	2-Hexanone	5.50	U	5.50	28.6	ug/Kg
124-48-1	Dibromochloromethane	0.74	U	0.74	5.70	ug/Kg
106-93-4	1,2-Dibromoethane	0.90	U	0.90	5.70	ug/Kg
127-18-4	Tetrachloroethene	1.00	U	1.00	5.70	ug/Kg
108-90-7	Chlorobenzene	0.85	U	0.85	5.70	ug/Kg
100-41-4	Ethyl Benzene	0.71	U	0.71	5.70	ug/Kg
179601-23-1	m/p-Xylenes	1.50	U	1.50	11.4	ug/Kg
95-47-6	o-Xylene	0.80	U	0.80	5.70	ug/Kg
100-42-5	Styrene	0.69	U	0.69	5.70	ug/Kg
75-25-2	Bromoform	0.93	U	0.93	5.70	ug/Kg
98-82-8	Isopropylbenzene	0.77	U	0.77	5.70	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.30	U	1.30	5.70	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.85	U	0.85	5.70	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.92	U	0.92	5.70	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.68	U	0.68	5.70	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.80	U	1.80	5.70	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.90	U	0.90	5.70	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.89	U	0.89	5.70	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.8		50 - 163	106%	SPK: 50
1868-53-7	Dibromofluoromethane	53.2		54 - 147	106%	SPK: 50
2037-26-5	Toluene-d8	53.5		58 - 134	107%	SPK: 50
460-00-4	4-Bromofluorobenzene	37.7		29 - 146	75%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	62000	7.707			
540-36-3	1,4-Difluorobenzene	102000	8.616			
3114-55-4	Chlorobenzene-d5	74700	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	23900	13.34			
TENTATIVE IDENTIFIED COMPOUNDS						

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Report of Analysis

Client:	Roman E&G Corp	Date Collected:	10/01/24
Project:	Perth Amboy	Date Received:	10/01/24
Client Sample ID:	Chamberlain Ave	SDG No.:	P4258
Lab Sample ID:	P4258-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	86
Sample Wt/Vol:	5.08 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY019765.D	1		10/02/24 15:23	VY100224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
103-65-1	n-propylbenzene	4.50	J		12.6	ug/Kg
104-51-8	n-Butylbenzene	2.60	J		13.6	ug/Kg
002870-04-4	Benzene, 2-ethyl-1,3-dimethyl-	16.8	J		13.9	ug/Kg
000527-53-7	Benzene, 1,2,3,5-tetramethyl-	9.60	J		14.2	ug/Kg
000824-90-8	1-Phenyl-1-butene	12.6	J		14.6	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Roman E&G Corp	Date Collected:	10/01/24
Project:	Perth Amboy	Date Received:	10/01/24
Client Sample ID:	Chamberlain AveRE	SDG No.:	P4258
Lab Sample ID:	P4258-03RE	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	86
Sample Wt/Vol:	4.99 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY019780.D	1		10/03/24 12:10	VY100324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.90	U	1.90	5.80	ug/Kg
74-87-3	Chloromethane	1.40	U	1.40	5.80	ug/Kg
75-01-4	Vinyl Chloride	0.90	U	0.90	5.80	ug/Kg
74-83-9	Bromomethane	1.20	U	1.20	5.80	ug/Kg
75-00-3	Chloroethane	1.20	U	1.20	5.80	ug/Kg
75-69-4	Trichlorofluoromethane	1.10	U	1.10	5.80	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.20	U	1.20	5.80	ug/Kg
75-35-4	1,1-Dichloroethene	0.91	U	0.91	5.80	ug/Kg
67-64-1	Acetone	7.30	U	7.30	29.1	ug/Kg
75-15-0	Carbon Disulfide	1.50	U	1.50	5.80	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.78	U	0.78	5.80	ug/Kg
79-20-9	Methyl Acetate	2.10	U	2.10	5.80	ug/Kg
75-09-2	Methylene Chloride	4.00	U	4.00	11.7	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.98	U	0.98	5.80	ug/Kg
75-34-3	1,1-Dichloroethane	0.73	U	0.73	5.80	ug/Kg
110-82-7	Cyclohexane	0.80	U	0.80	5.80	ug/Kg
78-93-3	2-Butanone	6.60	U	6.60	29.1	ug/Kg
56-23-5	Carbon Tetrachloride	1.00	U	1.00	5.80	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.71	U	0.71	5.80	ug/Kg
74-97-5	Bromochloromethane	2.80	U	2.80	5.80	ug/Kg
67-66-3	Chloroform	0.78	U	0.78	5.80	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.91	U	0.91	5.80	ug/Kg
108-87-2	Methylcyclohexane	1.00	U	1.00	5.80	ug/Kg
71-43-2	Benzene	0.84	U	0.84	5.80	ug/Kg
107-06-2	1,2-Dichloroethane	0.71	U	0.71	5.80	ug/Kg
79-01-6	Trichloroethene	0.87	U	0.87	5.80	ug/Kg
78-87-5	1,2-Dichloropropane	0.77	U	0.77	5.80	ug/Kg
75-27-4	Bromodichloromethane	0.65	U	0.65	5.80	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5.10	U	5.10	29.1	ug/Kg
108-88-3	Toluene	0.78	U	0.78	5.80	ug/Kg

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Report of Analysis

Client:	Roman E&G Corp	Date Collected:	10/01/24
Project:	Perth Amboy	Date Received:	10/01/24
Client Sample ID:	Chamberlain AveRE	SDG No.:	P4258
Lab Sample ID:	P4258-03RE	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	86
Sample Wt/Vol:	4.99 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY019780.D	1		10/03/24 12:10	VY100324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.70	U	0.70	5.80	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.66	U	0.66	5.80	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.98	U	0.98	5.80	ug/Kg
591-78-6	2-Hexanone	5.60	U	5.60	29.1	ug/Kg
124-48-1	Dibromochloromethane	0.76	U	0.76	5.80	ug/Kg
106-93-4	1,2-Dibromoethane	0.92	U	0.92	5.80	ug/Kg
127-18-4	Tetrachloroethene	1.00	U	1.00	5.80	ug/Kg
108-90-7	Chlorobenzene	0.86	U	0.86	5.80	ug/Kg
100-41-4	Ethyl Benzene	0.72	U	0.72	5.80	ug/Kg
179601-23-1	m/p-Xylenes	1.60	U	1.60	11.7	ug/Kg
95-47-6	o-Xylene	0.82	U	0.82	5.80	ug/Kg
100-42-5	Styrene	0.70	U	0.70	5.80	ug/Kg
75-25-2	Bromoform	0.94	U	0.94	5.80	ug/Kg
98-82-8	Isopropylbenzene	0.78	U	0.78	5.80	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.30	U	1.30	5.80	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.86	U	0.86	5.80	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.93	U	0.93	5.80	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.69	U	0.69	5.80	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.80	U	1.80	5.80	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.92	U	0.92	5.80	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.91	U	0.91	5.80	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	62.2		50 - 163	124%	SPK: 50
1868-53-7	Dibromofluoromethane	57.0		54 - 147	114%	SPK: 50
2037-26-5	Toluene-d8	54.2		58 - 134	108%	SPK: 50
460-00-4	4-Bromofluorobenzene	40.5		29 - 146	81%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	82800	7.707			
540-36-3	1,4-Difluorobenzene	150000	8.616			
3114-55-4	Chlorobenzene-d5	119000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	38500	13.346			

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Report of Analysis

Client:	Roman E&G Corp	Date Collected:	10/01/24
Project:	Perth Amboy	Date Received:	10/01/24
Client Sample ID:	Chamberlain AveRE	SDG No.:	P4258
Lab Sample ID:	P4258-03RE	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	86
Sample Wt/Vol:	4.99 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY019780.D	1		10/03/24 12:10	VY100324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

QC SUMMARY

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Surrogate Summary

SDG No.: P4258

Client: Roman E&G Corp

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
P4258-03	Chamberlain Ave	1,2-Dichloroethane-d4	50	52.8	106	50	163
		Dibromofluoromethane	50	53.2	106	54	147
		Toluene-d8	50	53.5	107	58	134
		4-Bromofluorobenzene	50	37.7	75	29	146
P4258-03RE	Chamberlain AveRE	1,2-Dichloroethane-d4	50	62.2	124	50	163
		Dibromofluoromethane	50	57.0	114	54	147
		Toluene-d8	50	54.2	108	58	134
		4-Bromofluorobenzene	50	40.5	81	29	146
VY1002SBL01	VY1002SBL01	1,2-Dichloroethane-d4	50	63.4	127	50	163
		Dibromofluoromethane	50	55.5	111	54	147
		Toluene-d8	50	56.5	113	58	134
		4-Bromofluorobenzene	50	46.1	92	29	146
VY1002SBS02	VY1002SBS02	1,2-Dichloroethane-d4	50	59.7	119	50	163
		Dibromofluoromethane	50	54.0	108	54	147
		Toluene-d8	50	52.1	104	58	134
		4-Bromofluorobenzene	50	49.7	99	29	146
VY1002SBSD02	VY1002SBSD02	1,2-Dichloroethane-d4	50	55.1	110	50	163
		Dibromofluoromethane	50	50.5	101	54	147
		Toluene-d8	50	49.1	98	58	134
		4-Bromofluorobenzene	50	46.1	92	29	146
VY1003SBL01	VY1003SBL01	1,2-Dichloroethane-d4	50	61.3	123	50	163
		Dibromofluoromethane	50	55.4	111	54	147
		Toluene-d8	50	56.9	114	58	134
		4-Bromofluorobenzene	50	46.3	93	29	146
VY1003SBS01	VY1003SBS01	1,2-Dichloroethane-d4	50	60.2	120	50	163
		Dibromofluoromethane	50	56.9	114	54	147
		Toluene-d8	50	55.6	111	58	134
		4-Bromofluorobenzene	50	52.5	105	29	146

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4258

Client: Roman E&G Corp

Analytical Method: SW8260D **Datafile :** VY019769.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1002SBS02	Dichlorodifluoromethane	20	20.4	ug/Kg	102			64	136	
	Chloromethane	20	19.3	ug/Kg	97			70	130	
	Vinyl chloride	20	20.6	ug/Kg	103			72	129	
	Bromomethane	20	23.1	ug/Kg	116			58	141	
	Chloroethane	20	21.6	ug/Kg	108			69	130	
	Trichlorofluoromethane	20	21.4	ug/Kg	107			69	134	
	1,1,2-Trichlorotrifluoroethane	20	21.8	ug/Kg	109			81	123	
	1,1-Dichloroethene	20	18.9	ug/Kg	95			79	121	
	Acetone	100	130	ug/Kg	130			60	131	
	Carbon disulfide	20	12.8	ug/Kg	64			45	154	
	Methyl tert-butyl Ether	20	23.1	ug/Kg	116			77	129	
	Methyl Acetate	20	22.4	ug/Kg	112			69	149	
	Methylene Chloride	20	22.7	ug/Kg	114			56	174	
	trans-1,2-Dichloroethene	20	18.7	ug/Kg	94			80	123	
	1,1-Dichloroethane	20	22.4	ug/Kg	112			82	123	
	Cyclohexane	20	17.7	ug/Kg	89			76	122	
	2-Butanone	100	120	ug/Kg	120			69	131	
	Carbon Tetrachloride	20	20.3	ug/Kg	102			76	129	
	cis-1,2-Dichloroethene	20	21.6	ug/Kg	108			82	123	
	Bromochloromethane	20	21.5	ug/Kg	108			80	127	
	Chloroform	20	23.8	ug/Kg	119			82	125	
	1,1,1-Trichloroethane	20	22.5	ug/Kg	113			80	126	
	Methylcyclohexane	20	17.4	ug/Kg	87			77	123	
	Benzene	20	20.3	ug/Kg	102			84	121	
	1,2-Dichloroethane	20	23.0	ug/Kg	115			81	126	
	Trichloroethene	20	19.5	ug/Kg	98			83	122	
	1,2-Dichloropropane	20	22.3	ug/Kg	112			83	122	
	Bromodichloromethane	20	22.7	ug/Kg	114			82	123	
	4-Methyl-2-Pentanone	100	110	ug/Kg	110			70	135	
	Toluene	20	20.5	ug/Kg	103			83	122	
	t-1,3-Dichloropropene	20	20.7	ug/Kg	104			78	124	
	cis-1,3-Dichloropropene	20	20.5	ug/Kg	103			81	122	
	1,1,2-Trichloroethane	20	23.0	ug/Kg	115			82	125	
	2-Hexanone	100	110	ug/Kg	110			66	138	
	Dibromochloromethane	20	21.7	ug/Kg	109			79	125	
	1,2-Dibromoethane	20	21.6	ug/Kg	108			80	125	
	Tetrachloroethene	20	20.7	ug/Kg	104			83	125	
	Chlorobenzene	20	21.5	ug/Kg	108			84	122	
	Ethyl Benzene	20	21.1	ug/Kg	106			82	124	
	m/p-Xylenes	40	40.9	ug/Kg	102			83	124	
	o-Xylene	20	20.8	ug/Kg	104			83	123	
	Styrene	20	21.0	ug/Kg	105			82	124	
	Bromoform	20	21.0	ug/Kg	105			75	127	
	Isopropylbenzene	20	21.2	ug/Kg	106			82	124	
	1,1,2,2-Tetrachloroethane	20	23.0	ug/Kg	115			77	127	
	1,3-Dichlorobenzene	20	21.3	ug/Kg	106			83	122	
	1,4-Dichlorobenzene	20	21.3	ug/Kg	106			84	121	
	1,2-Dichlorobenzene	20	21.5	ug/Kg	108			83	124	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4258

Client: Roman E&G Corp

Analytical Method: SW8260D **Datafile :** VY019769.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1002SBS02	1,2-Dibromo-3-Chloropropane	20	21.4	ug/Kg	107			66	134	
	1,2,4-Trichlorobenzene	20	19.0	ug/Kg	95			78	127	
	1,2,3-Trichlorobenzene	20	18.9	ug/Kg	95			70	137	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4258

Client: Roman E&G Corp

Analytical Method: SW8260D **Datafile :** VY019770.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1002SBSD02	Dichlorodifluoromethane	20	21.0	ug/Kg	105	3		64	136	20
	Chloromethane	20	18.6	ug/Kg	93	4		70	130	20
	Vinyl chloride	20	20.3	ug/Kg	102	1		72	129	20
	Bromomethane	20	22.8	ug/Kg	114	2		58	141	20
	Chloroethane	20	23.3	ug/Kg	117	8		69	130	20
	Trichlorofluoromethane	20	21.6	ug/Kg	108	1		69	134	20
	1,1,2-Trichlorotrifluoroethane	20	21.8	ug/Kg	109	0		81	123	20
	1,1-Dichloroethene	20	19.1	ug/Kg	96	1		79	121	20
	Acetone	100	120	ug/Kg	120	8		60	131	20
	Carbon disulfide	20	12.8	ug/Kg	64	0		45	154	20
	Methyl tert-butyl Ether	20	22.9	ug/Kg	115	1		77	129	20
	Methyl Acetate	20	22.0	ug/Kg	110	2		69	149	20
	Methylene Chloride	20	24.3	ug/Kg	121	6		56	174	20
	trans-1,2-Dichloroethene	20	19.1	ug/Kg	96	2		80	123	20
	1,1-Dichloroethane	20	22.8	ug/Kg	114	2		82	123	20
	Cyclohexane	20	18.1	ug/Kg	91	2		76	122	20
	2-Butanone	100	120	ug/Kg	120	0		69	131	20
	Carbon Tetrachloride	20	20.4	ug/Kg	102	0		76	129	20
	cis-1,2-Dichloroethene	20	21.9	ug/Kg	110	2		82	123	20
	Bromochloromethane	20	23.1	ug/Kg	116	7		80	127	20
	Chloroform	20	24.1	ug/Kg	121	2		82	125	20
	1,1,1-Trichloroethane	20	22.5	ug/Kg	113	0		80	126	20
	Methylcyclohexane	20	17.6	ug/Kg	88	1		77	123	20
	Benzene	20	20.6	ug/Kg	103	1		84	121	20
	1,2-Dichloroethane	20	22.6	ug/Kg	113	2		81	126	20
	Trichloroethene	20	20.0	ug/Kg	100	2		83	122	20
	1,2-Dichloropropane	20	22.2	ug/Kg	111	1		83	122	20
	Bromodichloromethane	20	22.9	ug/Kg	115	1		82	123	20
	4-Methyl-2-Pentanone	100	110	ug/Kg	110	0		70	135	20
	Toluene	20	20.9	ug/Kg	104	1		83	122	20
	t-1,3-Dichloropropene	20	20.5	ug/Kg	103	1		78	124	20
	cis-1,3-Dichloropropene	20	20.5	ug/Kg	103	0		81	122	20
	1,1,2-Trichloroethane	20	22.9	ug/Kg	115	0		82	125	20
	2-Hexanone	100	110	ug/Kg	110	0		66	138	20
	Dibromochloromethane	20	22.1	ug/Kg	111	2		79	125	20
	1,2-Dibromoethane	20	21.1	ug/Kg	106	2		80	125	20
	Tetrachloroethene	20	20.6	ug/Kg	103	1		83	125	20
	Chlorobenzene	20	22.1	ug/Kg	111	3		84	122	20
	Ethyl Benzene	20	21.9	ug/Kg	110	4		82	124	20
	m/p-Xylenes	40	42.4	ug/Kg	106	4		83	124	20
	o-Xylene	20	21.4	ug/Kg	107	3		83	123	20
	Styrene	20	21.6	ug/Kg	108	3		82	124	20
	Bromoform	20	21.1	ug/Kg	106	1		75	127	20
	Isopropylbenzene	20	22.7	ug/Kg	114	7		82	124	20
	1,1,2,2-Tetrachloroethane	20	23.9	ug/Kg	119	3		77	127	20
	1,3-Dichlorobenzene	20	22.9	ug/Kg	115	8		83	122	20
	1,4-Dichlorobenzene	20	22.9	ug/Kg	115	8		84	121	20
	1,2-Dichlorobenzene	20	22.8	ug/Kg	114	5		83	124	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4258

Client: Roman E&G Corp

Analytical Method: SW8260D **Datafile :** VY019770.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1002SBSD02	1,2-Dibromo-3-Chloropropane	20	22.6	ug/Kg	113	5		66	134	20
	1,2,4-Trichlorobenzene	20	20.1	ug/Kg	101	6		78	127	20
	1,2,3-Trichlorobenzene	20	19.7	ug/Kg	99	4		70	137	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4258

Client: Roman E&G Corp

Analytical Method: SW8260D **Datafile :** VY019778.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1003SBS01	Dichlorodifluoromethane	20	20.3	ug/Kg	102			64	136	
	Chloromethane	20	17.2	ug/Kg	86			70	130	
	Vinyl chloride	20	18.8	ug/Kg	94			72	129	
	Bromomethane	20	21.7	ug/Kg	109			58	141	
	Chloroethane	20	21.0	ug/Kg	105			69	130	
	Trichlorofluoromethane	20	20.6	ug/Kg	103			69	134	
	1,1,2-Trichlorotrifluoroethane	20	21.4	ug/Kg	107			81	123	
	1,1-Dichloroethene	20	18.5	ug/Kg	93			79	121	
	Acetone	100	130	ug/Kg	130			60	131	
	Carbon disulfide	20	11.8	ug/Kg	59			45	154	
	Methyl tert-butyl Ether	20	21.1	ug/Kg	106			77	129	
	Methyl Acetate	20	18.0	ug/Kg	90			69	149	
	Methylene Chloride	20	19.9	ug/Kg	100			56	174	
	trans-1,2-Dichloroethene	20	18.4	ug/Kg	92			80	123	
	1,1-Dichloroethane	20	21.8	ug/Kg	109			82	123	
	Cyclohexane	20	17.4	ug/Kg	87			76	122	
	2-Butanone	100	110	ug/Kg	110			69	131	
	Carbon Tetrachloride	20	19.9	ug/Kg	100			76	129	
	cis-1,2-Dichloroethene	20	20.9	ug/Kg	104			82	123	
	Bromochloromethane	20	21.1	ug/Kg	106			80	127	
	Chloroform	20	22.8	ug/Kg	114			82	125	
	1,1,1-Trichloroethane	20	22.0	ug/Kg	110			80	126	
	Methylcyclohexane	20	16.9	ug/Kg	85			77	123	
	Benzene	20	20.1	ug/Kg	101			84	121	
	1,2-Dichloroethane	20	21.5	ug/Kg	108			81	126	
	Trichloroethene	20	19.3	ug/Kg	97			83	122	
	1,2-Dichloropropane	20	21.2	ug/Kg	106			83	122	
	Bromodichloromethane	20	21.8	ug/Kg	109			82	123	
	4-Methyl-2-Pentanone	100	96.9	ug/Kg	97			70	135	
	Toluene	20	19.7	ug/Kg	99			83	122	
	t-1,3-Dichloropropene	20	19.7	ug/Kg	99			78	124	
	cis-1,3-Dichloropropene	20	19.5	ug/Kg	98			81	122	
	1,1,2-Trichloroethane	20	21.4	ug/Kg	107			82	125	
	2-Hexanone	100	98.3	ug/Kg	98			66	138	
	Dibromochloromethane	20	20.6	ug/Kg	103			79	125	
	1,2-Dibromoethane	20	19.2	ug/Kg	96			80	125	
	Tetrachloroethene	20	18.8	ug/Kg	94			83	125	
	Chlorobenzene	20	21.1	ug/Kg	106			84	122	
	Ethyl Benzene	20	20.7	ug/Kg	104			82	124	
	m/p-Xylenes	40	40.4	ug/Kg	101			83	124	
	o-Xylene	20	20.6	ug/Kg	103			83	123	
	Styrene	20	20.4	ug/Kg	102			82	124	
	Bromoform	20	19.1	ug/Kg	96			75	127	
	Isopropylbenzene	20	22.1	ug/Kg	111			82	124	
	1,1,2,2-Tetrachloroethane	20	21.5	ug/Kg	108			77	127	
	1,3-Dichlorobenzene	20	21.7	ug/Kg	109			83	122	
	1,4-Dichlorobenzene	20	21.7	ug/Kg	109			84	121	
	1,2-Dichlorobenzene	20	21.6	ug/Kg	108			83	124	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4258

Client: Roman E&G Corp

Analytical Method: SW8260D **Datafile :** VY019778.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1003SBS01	1,2-Dibromo-3-Chloropropane	20	19.8	ug/Kg	99			66	134	
	1,2,4-Trichlorobenzene	20	19.3	ug/Kg	97			78	127	
	1,2,3-Trichlorobenzene	20	18.8	ug/Kg	94			70	137	

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY1002SBL01

Lab Name: CHEMTECH Contract: ROMA02

Lab Code: CHEM Case No.: P4258 SAS No.: P4258 SDG NO.: P4258

Lab File ID: VY019757.D Lab Sample ID: VY1002SBL01

Date Analyzed: 10/02/2024 Time Analyzed: 10:13

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

Instrument ID: MSVOA_Y

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
Chamberlain Ave	P4258-03	VY019765.D	10/02/2024
VY1002SBS02	VY1002SBS02	VY019769.D	10/02/2024
VY1002SBSD02	VY1002SBSD02	VY019770.D	10/02/2024

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY1003SBL01

Lab Name: CHEMTECH Contract: ROMA02

Lab Code: CHEM Case No.: P4258 SAS No.: P4258 SDG NO.: P4258

Lab File ID: VY019777.D Lab Sample ID: VY1003SBL01

Date Analyzed: 10/03/2024 Time Analyzed: 10:17

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

Instrument ID: MSVOA_Y

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VY1003SBS01	VY1003SBS01	VY019778.D	10/03/2024
Chamberlain AveRE	P4258-03RE	VY019780.D	10/03/2024

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: ROMA02

Lab Code: CHEM Case No.: P4258 SAS No.: P4258 SDG NO.: P4258

Lab File ID: VY019453.D BFB Injection Date: 09/09/2024

Instrument ID: MSVOA_Y BFB Injection Time: 09:20

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.8
75	30.0 - 60.0% of mass 95	50.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.7 (0.9) 1
174	50.0 - 100.0% of mass 95	73.9
175	5.0 - 9.0% of mass 174	5.5 (7.5) 1
176	95.0 - 101.0% of mass 174	70.3 (95.1) 1
177	5.0 - 9.0% of mass 176	4.6 (6.6) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VY019454.D	09/09/2024	09:52
VSTDICC010	VSTDICC010	VY019455.D	09/09/2024	10:15
VSTDICC020	VSTDICC020	VY019456.D	09/09/2024	10:44
VSTDICCC050	VSTDICCC050	VY019457.D	09/09/2024	11:07
VSTDICC100	VSTDICC100	VY019458.D	09/09/2024	11:29
VSTDICC150	VSTDICC150	VY019459.D	09/09/2024	11:53

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: ROMA02

Lab Code: CHEM Case No.: P4258 SAS No.: P4258 SDG NO.: P4258

Lab File ID: VY019755.D BFB Injection Date: 10/02/2024

Instrument ID: MSVOA_Y BFB Injection Time: 08:37

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.9
75	30.0 - 60.0% of mass 95	54.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.7 (0.9) 1
174	50.0 - 100.0% of mass 95	70.4
175	5.0 - 9.0% of mass 174	5.1 (7.3) 1
176	95.0 - 101.0% of mass 174	67.3 (95.6) 1
177	5.0 - 9.0% of mass 176	4.5 (6.8) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY019756.D	10/02/2024	09:39
VY1002SBL01	VY1002SBL01	VY019757.D	10/02/2024	10:13
Chamberlain Ave	P4258-03	VY019765.D	10/02/2024	15:23
VY1002SBS02	VY1002SBS02	VY019769.D	10/02/2024	16:56
VY1002SBSD02	VY1002SBSD02	VY019770.D	10/02/2024	17:19

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: ROMA02

Lab Code: CHEM Case No.: P4258 SAS No.: P4258 SDG NO.: P4258

Lab File ID: VY019775.D BFB Injection Date: 10/03/2024

Instrument ID: MSVOA_Y BFB Injection Time: 08:34

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.4
75	30.0 - 60.0% of mass 95	53.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.7 (0.9) 1
174	50.0 - 100.0% of mass 95	74.5
175	5.0 - 9.0% of mass 174	6 (8) 1
176	95.0 - 101.0% of mass 174	72.5 (97.3) 1
177	5.0 - 9.0% of mass 176	4.8 (6.7) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY019776.D	10/03/2024	09:44
VY1003SBL01	VY1003SBL01	VY019777.D	10/03/2024	10:17
VY1003SBS01	VY1003SBS01	VY019778.D	10/03/2024	11:01
Chamberlain AveRE	P4258-03RE	VY019780.D	10/03/2024	12:10

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: ROMA02

Lab Code: CHEM Case No.: P4258 SAS No.: P4258 SDG NO.: P4258

Lab File ID: VY019756.D Date Analyzed: 10/02/2024

Instrument ID: MSVOA_Y Time Analyzed: 09:39

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	313908	7.71	532797	8.62	452211	11.41
UPPER LIMIT	627816	8.207	1065590	9.116	904422	11.914
LOWER LIMIT	156954	7.207	266399	8.116	226106	10.914
EPA SAMPLE NO.						
Chamberlain Ave	61958 *	7.71	102249 *	8.62	74657 *	11.41
VY1002SBL01	286214	7.71	551968	8.62	482661	11.41
VY1002SBS02	265847	7.71	469139	8.62	394802	11.41
VY1002SBSD02	278113	7.71	490887	8.62	408200	11.41

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: ROMA02

Lab Code: CHEM Case No.: P4258 SAS No.: P4258 SDG NO.: P4258

Lab File ID: VY019756.D Date Analyzed: 10/02/2024

Instrument ID: MSVOA_Y Time Analyzed: 09:39

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #		RT #				
12 HOUR STD	212843		13.346				
UPPER LIMIT	425686		13.846				
LOWER LIMIT	106422		12.846				
EPA SAMPLE NO.							
Chamberlain Ave	23916	*	13.34				
VY1002SBL01	169673		13.35				
VY1002SBS02	189008		13.34				
VY1002SBSD02	189650		13.34				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: ROMA02

Lab Code: CHEM Case No.: P4258 SAS No.: P4258 SDG NO.: P4258

Lab File ID: VY019776.D Date Analyzed: 10/03/2024

Instrument ID: MSVOA_Y Time Analyzed: 09:44

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	277386	7.71	478984	8.62	402421	11.41
UPPER LIMIT	554772	8.213	957968	9.116	804842	11.914
LOWER LIMIT	138693	7.213	239492	8.116	201211	10.914
EPA SAMPLE NO.						
Chamberlain AveRE	82774 *	7.71	150343 *	8.62	119106 *	11.41
VY1003SBL01	267988	7.71	512122	8.62	450147	11.41
VY1003SBS01	265491	7.71	467884	8.62	391562	11.41

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: ROMA02

Lab Code: CHEM Case No.: P4258 SAS No.: P4258 SDG NO.: P4258

Lab File ID: VY019776.D Date Analyzed: 10/03/2024

Instrument ID: MSVOA_Y Time Analyzed: 09:44

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #		RT #				
12 HOUR STD	192886		13.346				
UPPER LIMIT	385772		13.846				
LOWER LIMIT	96443		12.846				
EPA SAMPLE NO.							
Chamberlain AveRE	38457	*	13.35				
VY1003SBL01	160873		13.35				
VY1003SBS01	181129		13.35				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

QC SAMPLE DATA

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Report of Analysis

Client:	Roman E&G Corp	Date Collected:	
Project:	Perth Amboy	Date Received:	
Client Sample ID:	VY1002SBL01	SDG No.:	P4258
Lab Sample ID:	VY1002SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY019757.D	1		10/02/24 10:13	VY100224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.70	U	1.70	5.00	ug/Kg
74-87-3	Chloromethane	1.20	U	1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	0.77	U	0.77	5.00	ug/Kg
74-83-9	Bromomethane	1.00	U	1.00	5.00	ug/Kg
75-00-3	Chloroethane	1.00	U	1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	0.91	U	0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	0.78	U	0.78	5.00	ug/Kg
67-64-1	Acetone	6.20	U	6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	1.30	U	1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.67	U	0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	1.80	U	1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	3.40	U	3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.84	U	0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	0.63	U	0.63	5.00	ug/Kg
110-82-7	Cyclohexane	0.69	U	0.69	5.00	ug/Kg
78-93-3	2-Butanone	5.70	U	5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.87	U	0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.61	U	0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	2.40	U	2.40	5.00	ug/Kg
67-66-3	Chloroform	0.67	U	0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.78	U	0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	0.87	U	0.87	5.00	ug/Kg
71-43-2	Benzene	0.72	U	0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	0.61	U	0.61	5.00	ug/Kg
79-01-6	Trichloroethene	0.75	U	0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	0.66	U	0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	0.56	U	0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.40	U	4.40	25.0	ug/Kg
108-88-3	Toluene	0.67	U	0.67	5.00	ug/Kg

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Report of Analysis

Client:	Roman E&G Corp	Date Collected:	
Project:	Perth Amboy	Date Received:	
Client Sample ID:	VY1002SBL01	SDG No.:	P4258
Lab Sample ID:	VY1002SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY019757.D	1		10/02/24 10:13	VY100224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.60	U	0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.57	U	0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.84	U	0.84	5.00	ug/Kg
591-78-6	2-Hexanone	4.80	U	4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	0.65	U	0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.79	U	0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	0.89	U	0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	0.74	U	0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.62	U	0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	1.40	U	1.40	10.0	ug/Kg
95-47-6	o-Xylene	0.70	U	0.70	5.00	ug/Kg
100-42-5	Styrene	0.60	U	0.60	5.00	ug/Kg
75-25-2	Bromoform	0.81	U	0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	0.67	U	0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.10	U	1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.74	U	0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.80	U	0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.59	U	0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.60	U	1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.79	U	0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.78	U	0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	63.4		50 - 163	127%	SPK: 50
1868-53-7	Dibromofluoromethane	55.5		54 - 147	111%	SPK: 50
2037-26-5	Toluene-d8	56.5		58 - 134	113%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.1		29 - 146	92%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	286000	7.713			
540-36-3	1,4-Difluorobenzene	552000	8.616			
3114-55-4	Chlorobenzene-d5	483000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	170000	13.346			

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Report of Analysis

Client:	Roman E&G Corp	Date Collected:	
Project:	Perth Amboy	Date Received:	
Client Sample ID:	VY1002SBL01	SDG No.:	P4258
Lab Sample ID:	VY1002SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY019757.D	1		10/02/24 10:13	VY100224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Roman E&G Corp	Date Collected:	
Project:	Perth Amboy	Date Received:	
Client Sample ID:	VY1003SBL01	SDG No.:	P4258
Lab Sample ID:	VY1003SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY019777.D	1		10/03/24 10:17	VY100324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.70	U	1.70	5.00	ug/Kg
74-87-3	Chloromethane	1.20	U	1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	0.77	U	0.77	5.00	ug/Kg
74-83-9	Bromomethane	1.00	U	1.00	5.00	ug/Kg
75-00-3	Chloroethane	1.00	U	1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	0.91	U	0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	0.78	U	0.78	5.00	ug/Kg
67-64-1	Acetone	6.20	U	6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	1.30	U	1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.67	U	0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	1.80	U	1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	3.40	U	3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.84	U	0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	0.63	U	0.63	5.00	ug/Kg
110-82-7	Cyclohexane	0.69	U	0.69	5.00	ug/Kg
78-93-3	2-Butanone	5.70	U	5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.87	U	0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.61	U	0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	2.40	U	2.40	5.00	ug/Kg
67-66-3	Chloroform	0.67	U	0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.78	U	0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	0.87	U	0.87	5.00	ug/Kg
71-43-2	Benzene	0.72	U	0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	0.61	U	0.61	5.00	ug/Kg
79-01-6	Trichloroethene	0.75	U	0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	0.66	U	0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	0.56	U	0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.40	U	4.40	25.0	ug/Kg
108-88-3	Toluene	0.67	U	0.67	5.00	ug/Kg

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Report of Analysis

Client:	Roman E&G Corp	Date Collected:	
Project:	Perth Amboy	Date Received:	
Client Sample ID:	VY1003SBL01	SDG No.:	P4258
Lab Sample ID:	VY1003SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY019777.D	1		10/03/24 10:17	VY100324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.60	U	0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.57	U	0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.84	U	0.84	5.00	ug/Kg
591-78-6	2-Hexanone	4.80	U	4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	0.65	U	0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.79	U	0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	0.89	U	0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	0.74	U	0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.62	U	0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	1.40	U	1.40	10.0	ug/Kg
95-47-6	o-Xylene	0.70	U	0.70	5.00	ug/Kg
100-42-5	Styrene	0.60	U	0.60	5.00	ug/Kg
75-25-2	Bromoform	0.81	U	0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	0.67	U	0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.10	U	1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.74	U	0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.80	U	0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.59	U	0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.60	U	1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.79	U	0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.78	U	0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	61.3		50 - 163	123%	SPK: 50
1868-53-7	Dibromofluoromethane	55.4		54 - 147	111%	SPK: 50
2037-26-5	Toluene-d8	56.9		58 - 134	114%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.3		29 - 146	93%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	268000	7.707			
540-36-3	1,4-Difluorobenzene	512000	8.616			
3114-55-4	Chlorobenzene-d5	450000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	161000	13.346			

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Report of Analysis

Client:	Roman E&G Corp	Date Collected:	
Project:	Perth Amboy	Date Received:	
Client Sample ID:	VY1003SBL01	SDG No.:	P4258
Lab Sample ID:	VY1003SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY019777.D	1		10/03/24 10:17	VY100324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Roman E&G Corp	Date Collected:	
Project:	Perth Amboy	Date Received:	
Client Sample ID:	VY1002SBS02	SDG No.:	P4258
Lab Sample ID:	VY1002SBS02	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY019769.D	1		10/02/24 16:56	VY100224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	20.4		1.70	5.00	ug/Kg
74-87-3	Chloromethane	19.3		1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	20.6		0.77	5.00	ug/Kg
74-83-9	Bromomethane	23.1		1.00	5.00	ug/Kg
75-00-3	Chloroethane	21.6		1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	21.4		0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	21.8		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	18.9		0.78	5.00	ug/Kg
67-64-1	Acetone	130		6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	12.8		1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	23.1		0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	22.4		1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	22.7		3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	18.7		0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	22.4		0.63	5.00	ug/Kg
110-82-7	Cyclohexane	17.7		0.69	5.00	ug/Kg
78-93-3	2-Butanone	120		5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.3		0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	21.6		0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	21.5		2.40	5.00	ug/Kg
67-66-3	Chloroform	23.8		0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	22.5		0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	17.4		0.87	5.00	ug/Kg
71-43-2	Benzene	20.3		0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	23.0		0.61	5.00	ug/Kg
79-01-6	Trichloroethene	19.5		0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	22.3		0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	22.7		0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	110		4.40	25.0	ug/Kg
108-88-3	Toluene	20.5		0.67	5.00	ug/Kg

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Report of Analysis

Client:	Roman E&G Corp	Date Collected:	
Project:	Perth Amboy	Date Received:	
Client Sample ID:	VY1002SBS02	SDG No.:	P4258
Lab Sample ID:	VY1002SBS02	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY019769.D	1		10/02/24 16:56	VY100224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	20.7		0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.5		0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	23.0		0.84	5.00	ug/Kg
591-78-6	2-Hexanone	110		4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	21.7		0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	21.6		0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	20.7		0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	21.5		0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	21.1		0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	40.9		1.40	10.0	ug/Kg
95-47-6	o-Xylene	20.8		0.70	5.00	ug/Kg
100-42-5	Styrene	21.0		0.60	5.00	ug/Kg
75-25-2	Bromoform	21.0		0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	21.2		0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	23.0		1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	21.3		0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	21.3		0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	21.5		0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	21.4		1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	19.0		0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	18.9		0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	59.7		50 - 163	119%	SPK: 50
1868-53-7	Dibromofluoromethane	54.0		54 - 147	108%	SPK: 50
2037-26-5	Toluene-d8	52.1		58 - 134	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.7		29 - 146	99%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	266000	7.707			
540-36-3	1,4-Difluorobenzene	469000	8.616			
3114-55-4	Chlorobenzene-d5	395000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	189000	13.34			

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Report of Analysis

Client:	Roman E&G Corp	Date Collected:	
Project:	Perth Amboy	Date Received:	
Client Sample ID:	VY1002SBS02	SDG No.:	P4258
Lab Sample ID:	VY1002SBS02	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY019769.D	1		10/02/24 16:56	VY100224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Roman E&G Corp	Date Collected:	
Project:	Perth Amboy	Date Received:	
Client Sample ID:	VY1003SBS01	SDG No.:	P4258
Lab Sample ID:	VY1003SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY019778.D	1		10/03/24 11:01	VY100324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	20.3		1.70	5.00	ug/Kg
74-87-3	Chloromethane	17.2		1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	18.8		0.77	5.00	ug/Kg
74-83-9	Bromomethane	21.7		1.00	5.00	ug/Kg
75-00-3	Chloroethane	21.0		1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	20.6		0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	21.4		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	18.5		0.78	5.00	ug/Kg
67-64-1	Acetone	130		6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	11.8		1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	21.1		0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	18.0		1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	19.9		3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	18.4		0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	21.8		0.63	5.00	ug/Kg
110-82-7	Cyclohexane	17.4		0.69	5.00	ug/Kg
78-93-3	2-Butanone	110		5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	19.9		0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	20.9		0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	21.1		2.40	5.00	ug/Kg
67-66-3	Chloroform	22.8		0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	22.0		0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	16.9		0.87	5.00	ug/Kg
71-43-2	Benzene	20.1		0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	21.5		0.61	5.00	ug/Kg
79-01-6	Trichloroethene	19.3		0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	21.2		0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	21.8		0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	96.9		4.40	25.0	ug/Kg
108-88-3	Toluene	19.7		0.67	5.00	ug/Kg

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Report of Analysis

Client:	Roman E&G Corp	Date Collected:	
Project:	Perth Amboy	Date Received:	
Client Sample ID:	VY1003SBS01	SDG No.:	P4258
Lab Sample ID:	VY1003SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY019778.D	1		10/03/24 11:01	VY100324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	19.7		0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	19.5		0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	21.4		0.84	5.00	ug/Kg
591-78-6	2-Hexanone	98.3		4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.6		0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	19.2		0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	18.8		0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	21.1		0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.7		0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	40.4		1.40	10.0	ug/Kg
95-47-6	o-Xylene	20.6		0.70	5.00	ug/Kg
100-42-5	Styrene	20.4		0.60	5.00	ug/Kg
75-25-2	Bromoform	19.1		0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	22.1		0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	21.5		1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	21.7		0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	21.7		0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	21.6		0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	19.8		1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	19.3		0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	18.8		0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	60.2		50 - 163	120%	SPK: 50
1868-53-7	Dibromofluoromethane	56.9		54 - 147	114%	SPK: 50
2037-26-5	Toluene-d8	55.6		58 - 134	111%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.5		29 - 146	105%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	265000	7.707			
540-36-3	1,4-Difluorobenzene	468000	8.615			
3114-55-4	Chlorobenzene-d5	392000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	181000	13.346			

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Report of Analysis

Client:	Roman E&G Corp	Date Collected:	
Project:	Perth Amboy	Date Received:	
Client Sample ID:	VY1003SBS01	SDG No.:	P4258
Lab Sample ID:	VY1003SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY019778.D	1		10/03/24 11:01	VY100324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Roman E&G Corp	Date Collected:	
Project:	Perth Amboy	Date Received:	
Client Sample ID:	VY1002SBSD02	SDG No.:	P4258
Lab Sample ID:	VY1002SBSD02	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY019770.D	1		10/02/24 17:19	VY100224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	21.0		1.70	5.00	ug/Kg
74-87-3	Chloromethane	18.6		1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	20.3		0.77	5.00	ug/Kg
74-83-9	Bromomethane	22.8		1.00	5.00	ug/Kg
75-00-3	Chloroethane	23.3		1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	21.6		0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	21.8		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	19.1		0.78	5.00	ug/Kg
67-64-1	Acetone	120		6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	12.8		1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	22.9		0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	22.0		1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	24.3		3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	19.1		0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	22.8		0.63	5.00	ug/Kg
110-82-7	Cyclohexane	18.1		0.69	5.00	ug/Kg
78-93-3	2-Butanone	120		5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.4		0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	21.9		0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	23.1		2.40	5.00	ug/Kg
67-66-3	Chloroform	24.1		0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	22.5		0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	17.6		0.87	5.00	ug/Kg
71-43-2	Benzene	20.6		0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	22.6		0.61	5.00	ug/Kg
79-01-6	Trichloroethene	20.0		0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	22.2		0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	22.9		0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	110		4.40	25.0	ug/Kg
108-88-3	Toluene	20.9		0.67	5.00	ug/Kg

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Report of Analysis

Client:	Roman E&G Corp	Date Collected:	
Project:	Perth Amboy	Date Received:	
Client Sample ID:	VY1002SBSD02	SDG No.:	P4258
Lab Sample ID:	VY1002SBSD02	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY019770.D	1		10/02/24 17:19	VY100224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	20.5		0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.5		0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	22.9		0.84	5.00	ug/Kg
591-78-6	2-Hexanone	110		4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	22.1		0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	21.1		0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	20.6		0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	22.1		0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	21.9		0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	42.4		1.40	10.0	ug/Kg
95-47-6	o-Xylene	21.4		0.70	5.00	ug/Kg
100-42-5	Styrene	21.6		0.60	5.00	ug/Kg
75-25-2	Bromoform	21.1		0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	22.7		0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	23.9		1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	22.9		0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	22.9		0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	22.8		0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	22.6		1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	20.1		0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	19.7		0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.1		50 - 163	110%	SPK: 50
1868-53-7	Dibromofluoromethane	50.5		54 - 147	101%	SPK: 50
2037-26-5	Toluene-d8	49.1		58 - 134	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.1		29 - 146	92%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	278000	7.707			
540-36-3	1,4-Difluorobenzene	491000	8.616			
3114-55-4	Chlorobenzene-d5	408000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	190000	13.34			

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Report of Analysis

Client:	Roman E&G Corp	Date Collected:	
Project:	Perth Amboy	Date Received:	
Client Sample ID:	VY1002SBSD02	SDG No.:	P4258
Lab Sample ID:	VY1002SBSD02	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY019770.D	1		10/02/24 17:19	VY100224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

CALIBRATION SUMMARY

Alliance TECHNICAL GROUP
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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: ROMA02

Lab Code: CHEM Case No.: P4258 SAS No.: P4258 SDG No.: P4258

Instrument ID: MSVOA_Y Calibration Date(s): 09/09/2024 09/09/2024

Heated Purge: (Y/N) Y Calibration Time(s): 09:52 11:53

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF005 = VY019454.D RRF010 = VY019455.D RRF020 = VY019456.D
RRF050 = VY019457.D RRF100 = VY019458.D RRF150 = VY019459.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.375	0.371	0.373	0.265	0.248	0.264	0.316	19.8
Chloromethane	0.456	0.454	0.442	0.392	0.357	0.380	0.414	10.3
Vinyl Chloride	0.451	0.466	0.476	0.447	0.409	0.435	0.447	5.2
Bromomethane	0.255	0.278	0.273	0.283	0.269	0.291	0.275	4.6
Chloroethane	0.300	0.303	0.299	0.297	0.270	0.286	0.292	4.3
Trichlorofluoromethane	0.760	0.775	0.776	0.733	0.686	0.743	0.746	4.6
1,1,2-Trichlorotrifluoroethane	0.477	0.480	0.476	0.457	0.425	0.453	0.461	4.6
1,1-Dichloroethene	0.457	0.449	0.450	0.447	0.413	0.446	0.444	3.5
Acetone	0.102	0.113	0.106	0.124	0.107	0.109	0.110	6.9
Carbon Disulfide	1.144	1.159	1.161	1.283	1.177	1.266	1.199	5
Methyl tert-butyl Ether	1.146	1.304	1.294	1.313	1.212	1.270	1.256	5.2
Methyl Acetate	0.285	0.314	0.279	0.345	0.283	0.290	0.299	8.5
Methylene Chloride	0.538	0.524	0.513	0.502	0.456	0.485	0.503	5.8
trans-1,2-Dichloroethene	0.488	0.488	0.484	0.500	0.461	0.496	0.486	2.9
1,1-Dichloroethane	0.889	0.945	0.936	0.945	0.862	0.923	0.917	3.7
Cyclohexane	0.969	0.873	0.819	0.803	0.735	0.772	0.829	10
2-Butanone	0.134	0.166	0.159	0.171	0.154	0.158	0.157	8.1
Carbon Tetrachloride	0.440	0.451	0.441	0.437	0.408	0.433	0.435	3.4
cis-1,2-Dichloroethene	0.568	0.592	0.602	0.613	0.564	0.605	0.591	3.4
Bromochloromethane	0.368	0.373	0.378	0.410	0.383	0.402	0.386	4.4
Chloroform	0.909	0.952	0.954	0.967	0.885	0.947	0.936	3.4
1,1,1-Trichloroethane	0.825	0.868	0.851	0.853	0.789	0.847	0.839	3.3
Methylcyclohexane	0.524	0.533	0.514	0.516	0.481	0.513	0.513	3.4
Benzene	1.169	1.235	1.211	1.212	1.118	1.184	1.188	3.5
1,2-Dichloroethane	0.297	0.336	0.325	0.330	0.307	0.324	0.320	4.7
Trichloroethene	0.301	0.309	0.315	0.312	0.288	0.307	0.306	3.1
1,2-Dichloropropane	0.287	0.301	0.299	0.294	0.273	0.289	0.290	3.5
Bromodichloromethane	0.413	0.445	0.431	0.437	0.408	0.428	0.427	3.3
4-Methyl-2-Pentanone	0.181	0.225	0.214	0.222	0.203	0.209	0.209	7.7
Toluene	0.738	0.793	0.775	0.790	0.725	0.764	0.764	3.6

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: ROMA02

Lab Code: CHEM Case No.: P4258 SAS No.: P4258 SDG No.: P4258

Instrument ID: MSVOA_Y Calibration Date(s): 09/09/2024 09/09/2024

Heated Purge: (Y/N) Y Calibration Time(s): 09:52 11:53

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF005 = VY019454.D RRF010 = VY019455.D RRF020 = VY019456.D
RRF050 = VY019457.D RRF100 = VY019458.D RRF150 = VY019459.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.366	0.424	0.416	0.426	0.393	0.417	0.407	5.8
cis-1,3-Dichloropropene	0.444	0.491	0.485	0.492	0.453	0.478	0.474	4.3
1,1,2-Trichloroethane	0.209	0.227	0.219	0.231	0.211	0.220	0.219	4
2-Hexanone	0.131	0.166	0.158	0.163	0.149	0.152	0.153	8.2
Dibromochloromethane	0.260	0.302	0.297	0.304	0.281	0.296	0.290	5.8
1,2-Dibromoethane	0.188	0.216	0.211	0.212	0.195	0.204	0.204	5.5
Tetrachloroethene	0.315	0.319	0.313	0.312	0.291	0.307	0.310	3.2
Chlorobenzene	0.961	1.026	1.010	0.995	0.925	0.983	0.984	3.7
Ethyl Benzene	1.739	1.856	1.796	1.769	1.626	1.701	1.748	4.5
m/p-Xylenes	0.656	0.688	0.682	0.670	0.620	0.650	0.661	3.7
o-Xylene	0.646	0.673	0.667	0.656	0.601	0.635	0.646	4
Styrene	1.061	1.143	1.126	1.112	1.031	1.073	1.091	3.9
Bromoform	0.173	0.207	0.196	0.205	0.189	0.198	0.195	6.3
Isopropylbenzene	3.732	3.822	3.698	3.613	3.336	3.563	3.627	4.7
1,1,2,2-Tetrachloroethane	0.589	0.684	0.652	0.665	0.617	0.654	0.644	5.4
1,3-Dichlorobenzene	1.564	1.622	1.612	1.575	1.453	1.554	1.563	3.8
1,4-Dichlorobenzene	1.554	1.596	1.594	1.565	1.452	1.548	1.551	3.4
1,2-Dichlorobenzene	1.367	1.448	1.414	1.422	1.315	1.404	1.395	3.4
1,2-Dibromo-3-Chloropropane	0.099	0.116	0.105	0.110	0.103	0.110	0.107	5.5
1,2,4-Trichlorobenzene	0.810	0.837	0.858	0.874	0.817	0.894	0.848	3.9
1,2,3-Trichlorobenzene	0.664	0.719	0.738	0.754	0.705	0.776	0.726	5.4
1,2-Dichloroethane-d4	0.420	0.462	0.466	0.485	0.465	0.480	0.463	5
Dibromofluoromethane	0.264	0.291	0.287	0.290	0.279	0.288	0.283	3.7
Toluene-d8	0.986	1.073	1.055	1.084	1.033	1.060	1.049	3.4
4-Bromofluorobenzene	0.425	0.414	0.407	0.400	0.385	0.389	0.403	3.8

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ROMA02

Lab Code: CHEM Case No.: P4258 SAS No.: P4258 SDG No.: P4258

Instrument ID: MSVOA_Y Calibration Date/Time: 10/02/2024 09:39

Lab File ID: VY019756.D Init. Calib. Date(s): 09/09/2024 09/09/2024

Heated Purge: (Y/N) Y Init. Calib. Time(s): 09:52 11:53

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.316	0.221		-30.06	20
Chloromethane	0.414	0.361	0.1	-12.8	20
Vinyl Chloride	0.447	0.435		-2.68	20
Bromomethane	0.275	0.302		9.82	20
Chloroethane	0.292	0.309		5.82	20
Trichlorofluoromethane	0.746	0.738		-1.07	20
1,1,2-Trichlorotrifluoroethane	0.461	0.456		-1.09	20
1,1-Dichloroethene	0.444	0.424		-4.51	20
Acetone	0.110	0.130		18.18	20
Carbon Disulfide	1.199	1.028		-14.26	20
Methyl tert-butyl Ether	1.256	1.256		0	20
Methyl Acetate	0.299	0.298		-0.33	20
Methylene Chloride	0.503	0.476		-5.37	20
trans-1,2-Dichloroethene	0.486	0.459		-5.56	20
1,1-Dichloroethane	0.917	0.937	0.1	2.18	20
Cyclohexane	0.829	0.753		-9.17	20
2-Butanone	0.157	0.168		7.01	20
Carbon Tetrachloride	0.435	0.441		1.38	20
cis-1,2-Dichloroethene	0.591	0.599		1.35	20
Bromochloromethane	0.386	0.472		22.28	20
Chloroform	0.936	0.989		5.66	20
1,1,1-Trichloroethane	0.839	0.870		3.69	20
Methylcyclohexane	0.513	0.488		-4.87	20
Benzene	1.188	1.190		0.17	20
1,2-Dichloroethane	0.320	0.341		6.56	20
Trichloroethene	0.306	0.298		-2.61	20
1,2-Dichloropropane	0.290	0.293		1.03	20
Bromodichloromethane	0.427	0.449		5.15	20
4-Methyl-2-Pentanone	0.209	0.216		3.35	20
Toluene	0.764	0.762		-0.26	20
t-1,3-Dichloropropene	0.407	0.626		53.81	20
cis-1,3-Dichloropropene	0.474	0.467		-1.48	20
1,1,2-Trichloroethane	0.219	0.223		1.83	20
2-Hexanone	0.153	0.155		1.31	20
Dibromochloromethane	0.290	0.300		3.45	20
1,2-Dibromoethane	0.204	0.199		-2.45	20
Tetrachloroethene	0.310	0.298		-3.87	20
Chlorobenzene	0.984	0.992	0.3	0.81	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ROMA02

Lab Code: CHEM Case No.: P4258 SAS No.: P4258 SDG No.: P4258

Instrument ID: MSVOA_Y Calibration Date/Time: 10/02/2024 09:39

Lab File ID: VY019756.D Init. Calib. Date(s): 09/09/2024 09/09/2024

Heated Purge: (Y/N) Y Init. Calib. Time(s): 09:52 11:53

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.748	1.795		2.69	20
m/p-Xylenes	0.661	0.664		0.45	20
o-Xylene	0.646	0.644		-0.31	20
Styrene	1.091	1.098		0.64	20
Bromoform	0.195	0.200	0.1	2.56	20
Isopropylbenzene	3.627	3.705		2.15	20
1,1,2,2-Tetrachloroethane	0.644	0.647	0.3	0.47	20
1,3-Dichlorobenzene	1.563	1.582		1.22	20
1,4-Dichlorobenzene	1.551	1.548		-0.19	20
1,2-Dichlorobenzene	1.395	1.391		-0.29	20
1,2-Dibromo-3-Chloropropane	0.107	0.104		-2.8	20
1,2,4-Trichlorobenzene	0.848	0.790		-6.84	20
1,2,3-Trichlorobenzene	0.726	0.668		-7.99	20
1,2-Dichloroethane-d4	0.463	0.537		15.98	20
Dibromofluoromethane	0.283	0.319		12.72	20
Toluene-d8	1.049	1.151		9.72	20
4-Bromofluorobenzene	0.403	0.427		5.95	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ROMA02

Lab Code: CHEM Case No.: P4258 SAS No.: P4258 SDG No.: P4258

Instrument ID: MSVOA_Y Calibration Date/Time: 10/03/2024 09:44

Lab File ID: VY019776.D Init. Calib. Date(s): 09/09/2024 09/09/2024

Heated Purge: (Y/N) Y Init. Calib. Time(s): 09:52 11:53

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.316	0.225		-28.8	20
Chloromethane	0.414	0.374	0.1	-9.66	20
Vinyl Chloride	0.447	0.449		0.45	20
Bromomethane	0.275	0.313		13.82	20
Chloroethane	0.292	0.328		12.33	20
Trichlorofluoromethane	0.746	0.774		3.75	20
1,1,2-Trichlorotrifluoroethane	0.461	0.483		4.77	20
1,1-Dichloroethene	0.444	0.440		-0.9	20
Acetone	0.110	0.130		18.18	20
Carbon Disulfide	1.199	1.061		-11.51	20
Methyl tert-butyl Ether	1.256	1.291		2.79	20
Methyl Acetate	0.299	0.295		-1.34	20
Methylene Chloride	0.503	0.493		-1.99	20
trans-1,2-Dichloroethene	0.486	0.487		0.21	20
1,1-Dichloroethane	0.917	0.988	0.1	7.74	20
Cyclohexane	0.829	0.771		-7	20
2-Butanone	0.157	0.168		7.01	20
Carbon Tetrachloride	0.435	0.458		5.29	20
cis-1,2-Dichloroethene	0.591	0.620		4.91	20
Bromochloromethane	0.386	0.486		25.91	20
Chloroform	0.936	1.031		10.15	20
1,1,1-Trichloroethane	0.839	0.899		7.15	20
Methylcyclohexane	0.513	0.497		-3.12	20
Benzene	1.188	1.223		2.95	20
1,2-Dichloroethane	0.320	0.348		8.75	20
Trichloroethene	0.306	0.310		1.31	20
1,2-Dichloropropane	0.290	0.304		4.83	20
Bromodichloromethane	0.427	0.457		7.03	20
4-Methyl-2-Pentanone	0.209	0.207		-0.96	20
Toluene	0.764	0.792		3.66	20
t-1,3-Dichloropropene	0.407	0.408		0.25	20
cis-1,3-Dichloropropene	0.474	0.483		1.9	20
1,1,2-Trichloroethane	0.219	0.227		3.65	20
2-Hexanone	0.153	0.149		-2.61	20
Dibromochloromethane	0.290	0.294		1.38	20
1,2-Dibromoethane	0.204	0.201		-1.47	20
Tetrachloroethene	0.310	0.310		0	20
Chlorobenzene	0.984	1.038	0.3	5.49	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ROMA02

Lab Code: CHEM Case No.: P4258 SAS No.: P4258 SDG No.: P4258

Instrument ID: MSVOA_Y Calibration Date/Time: 10/03/2024 09:44

Lab File ID: VY019776.D Init. Calib. Date(s): 09/09/2024 09/09/2024

Heated Purge: (Y/N) Y Init. Calib. Time(s): 09:52 11:53

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.748	1.867		6.81	20
m/p-Xylenes	0.661	0.692		4.69	20
o-Xylene	0.646	0.661		2.32	20
Styrene	1.091	1.135		4.03	20
Bromoform	0.195	0.187	0.1	-4.1	20
Isopropylbenzene	3.627	3.780		4.22	20
1,1,2,2-Tetrachloroethane	0.644	0.656	0.3	1.86	20
1,3-Dichlorobenzene	1.563	1.615		3.33	20
1,4-Dichlorobenzene	1.551	1.587		2.32	20
1,2-Dichlorobenzene	1.395	1.407		0.86	20
1,2-Dibromo-3-Chloropropane	0.107	0.098		-8.41	20
1,2,4-Trichlorobenzene	0.848	0.801		-5.54	20
1,2,3-Trichlorobenzene	0.726	0.670		-7.71	20
1,2-Dichloroethane-d4	0.463	0.528		14.04	20
Dibromofluoromethane	0.283	0.307		8.48	20
Toluene-d8	1.049	1.102		5.05	20
4-Bromofluorobenzene	0.403	0.401		-0.5	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

SAMPLE RAW DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100224\
Data File : VY019765.D
Acq On : 02 Oct 2024 15:23
Operator : SY/MD
Sample : P4258-03
Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
Chamberlain Ave

Quant Time: Oct 03 02:03:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
Quant Title : SW846 8260
QLast Update : Mon Sep 09 16:00:30 2024
Response via : Initial Calibration

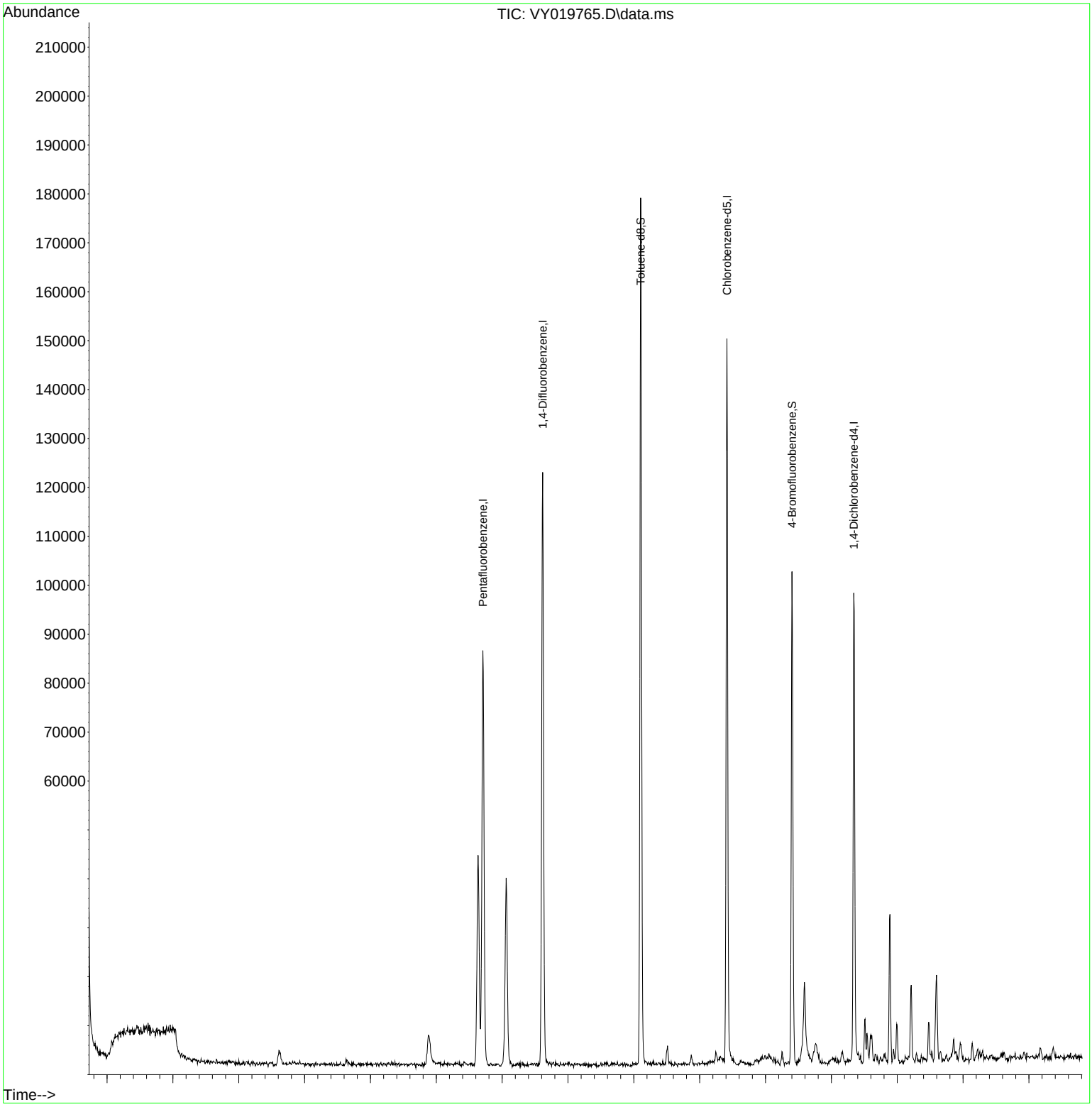
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	61958	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	102249	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	74657	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	23916	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	30298	52.810	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.620%			
35) Dibromofluoromethane	7.628	113	30858	53.228	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.460%			
50) Toluene-d8	10.103	98	114643	53.464	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 106.920%			
62) 4-Bromofluorobenzene	12.402	95	31049	37.658	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 75.320%			
Target Compounds						Qvalue
78) n-propylbenzene	12.591	91	8096	3.937	ug/l	98
89) n-Butylbenzene	13.615	91	3258	2.245	ug/l #	83
95) Naphthalene	15.139	128	2469	3.038	ug/l #	92

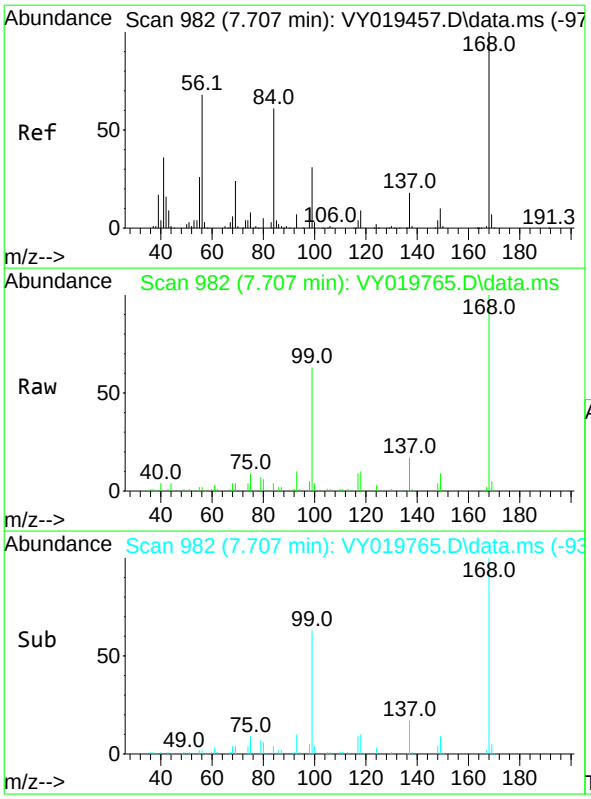
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100224\
Data File : VY019765.D
Acq On : 02 Oct 2024 15:23
Operator : SY/MD
Sample : P4258-03
Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
Chamberlain Ave

Quant Time: Oct 03 02:03:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
Quant Title : SW846 8260
QLast Update : Mon Sep 09 16:00:30 2024
Response via : Initial Calibration



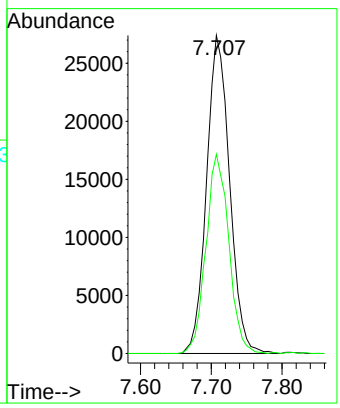


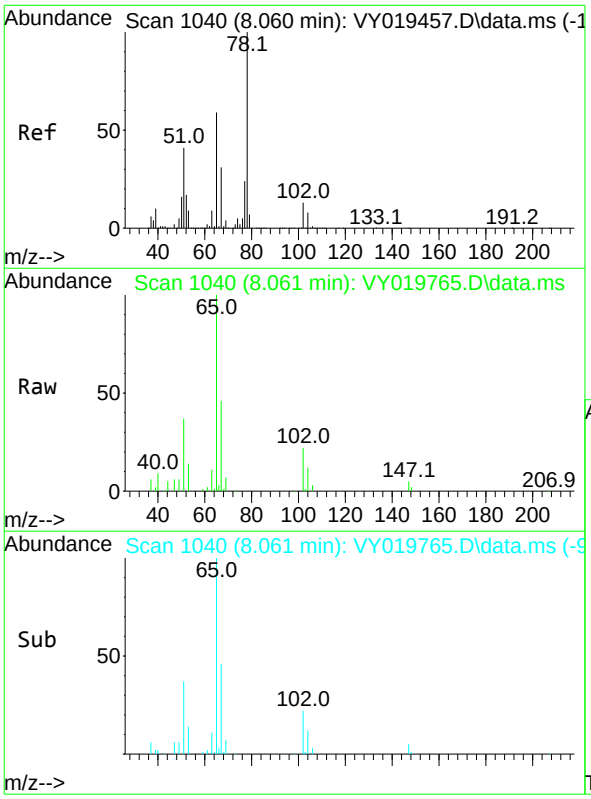
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY019765.D
Acq: 02 Oct 2024 15:23

Instrument :
MSVOA_Y
ClientSampleId :
Chamberlain Ave

Tgt Ion:168 Resp: 61958

Ion	Ratio	Lower	Upper
168	100		
99	62.6	39.1	58.7#

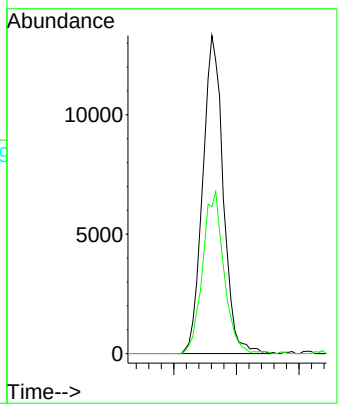




#33
1,2-Dichloroethane-d4
Concen: 52.810 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY019765.D
Acq: 02 Oct 2024 15:23

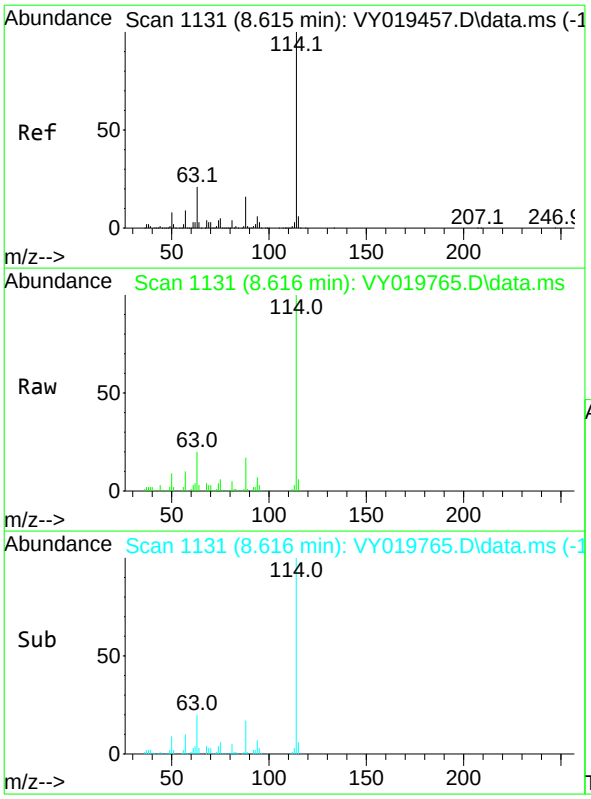
Tgt Ion: 65 Resp: 30298

Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	109.6



5

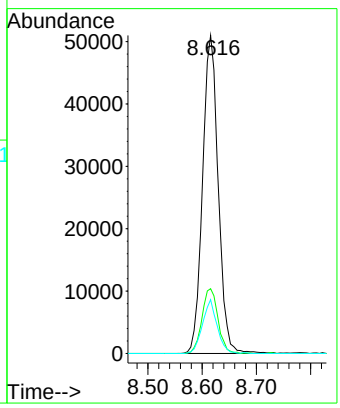
Instrument :
MSVOA_Y
ClientSampleId :
Chamberlain Ave

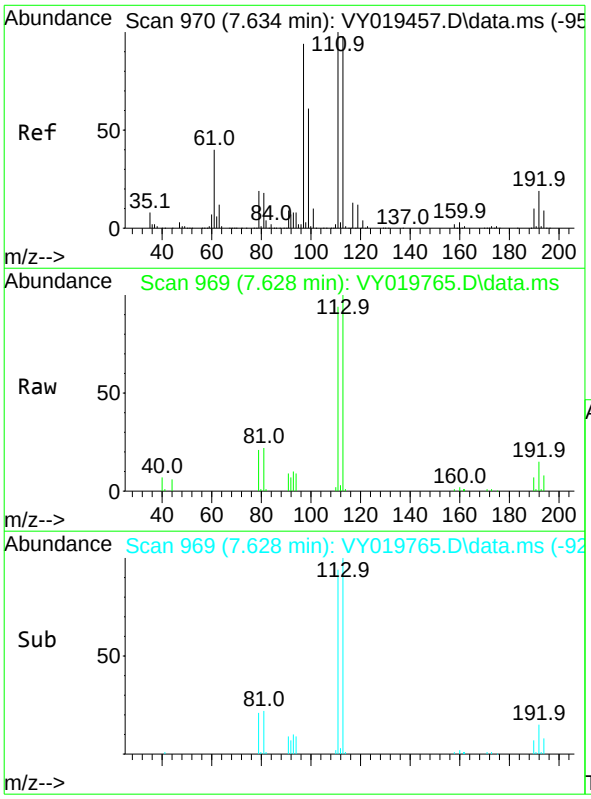


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY019765.D
Acq: 02 Oct 2024 15:23

Tgt Ion:114 Resp: 102249

Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	35.0
88	16.9	0.0	27.2

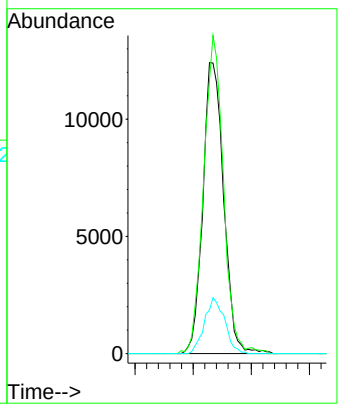


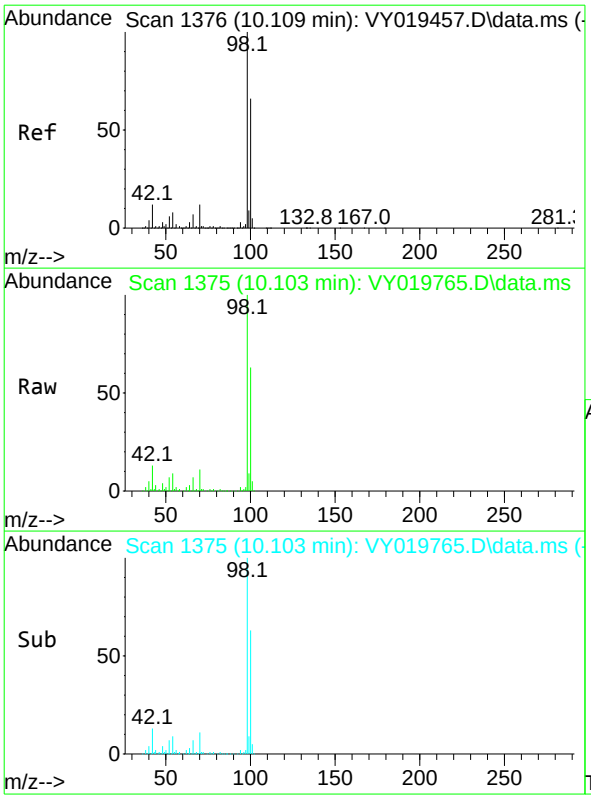


#35
Dibromofluoromethane
Concen: 53.228 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.006 min
Lab File: VY019765.D
Acq: 02 Oct 2024 15:23

Tgt Ion:113 Resp: 30858

Ion	Ratio	Lower	Upper
113	100		
111	104.5	82.2	123.4
192	18.6	15.9	23.9



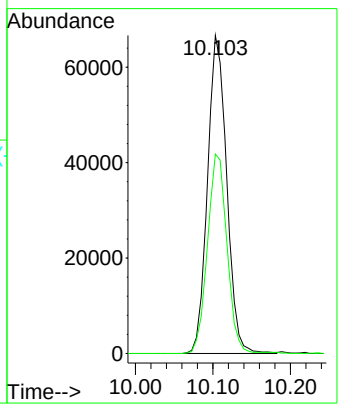


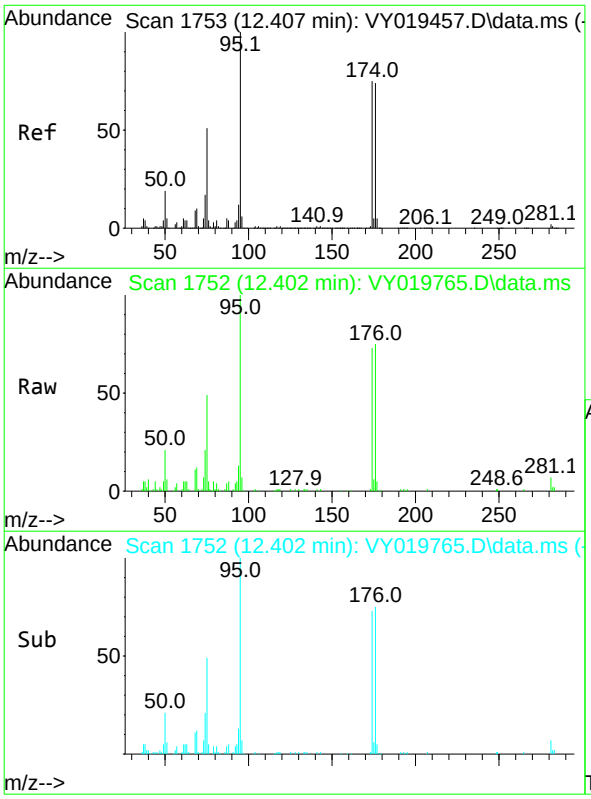
#50
Toluene-d8
Concen: 53.464 ug/l
RT: 10.103 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY019765.D
Acq: 02 Oct 2024 15:23

Instrument :
MSVOA_Y
ClientSampleId :
Chamberlain Ave

Tgt Ion: 98 Resp: 114643

Ion	Ratio	Lower	Upper
98	100		
100	64.1	52.0	78.0

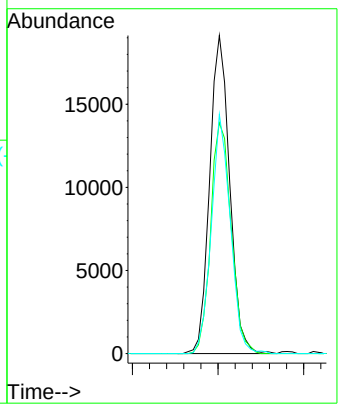




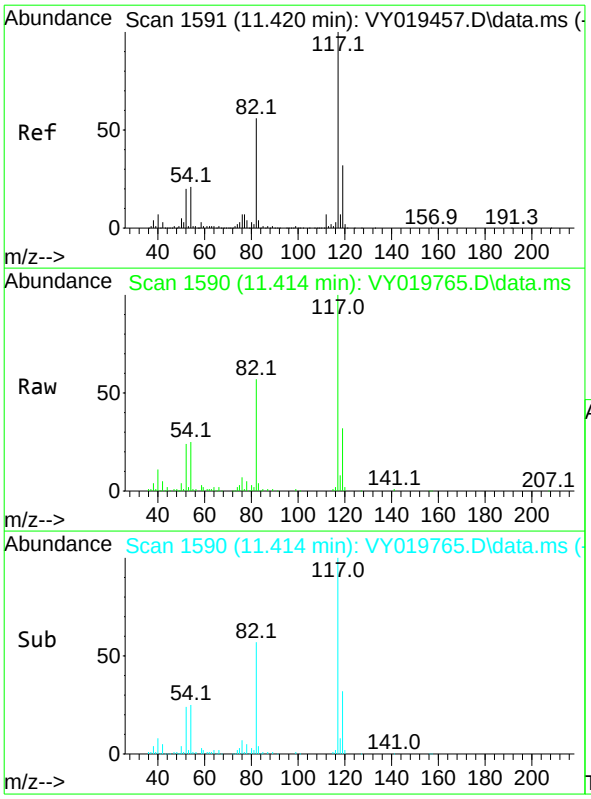
#62
4-Bromofluorobenzene
Concen: 37.658 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY019765.D
Acq: 02 Oct 2024 15:23

Tgt Ion: 95 Resp: 31049

Ion	Ratio	Lower	Upper
95	100		
174	74.5	0.0	175.6
176	71.5	0.0	171.4



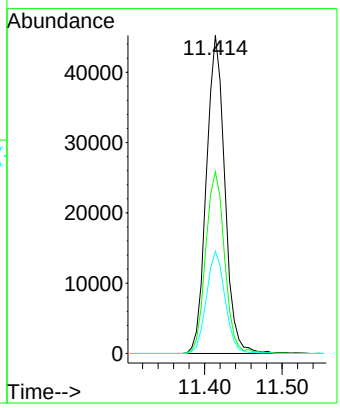
Instrument :
MSVOA_Y
ClientSampleId :
Chamberlain Ave

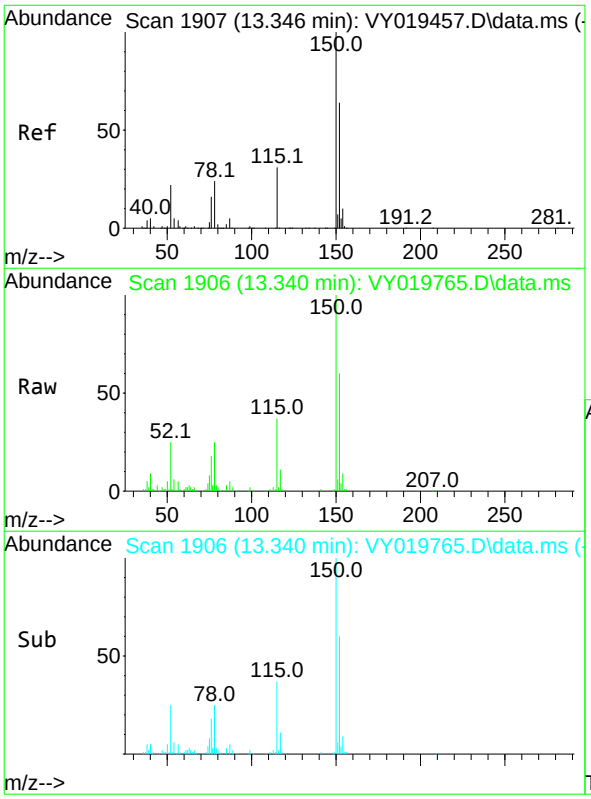


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 15
Delta R.T. -0.006 min
Lab File: VY019765.D
Acq: 02 Oct 2024 15:23

Tgt Ion:117 Resp: 74657

Ion	Ratio	Lower	Upper
117	100		
82	57.1	42.4	63.6
119	32.1	25.9	38.9

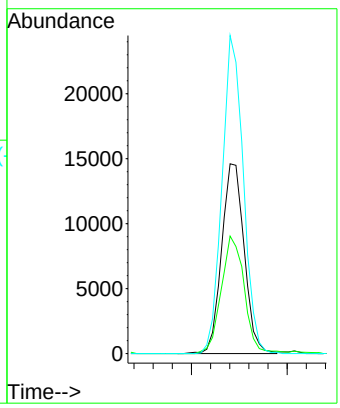


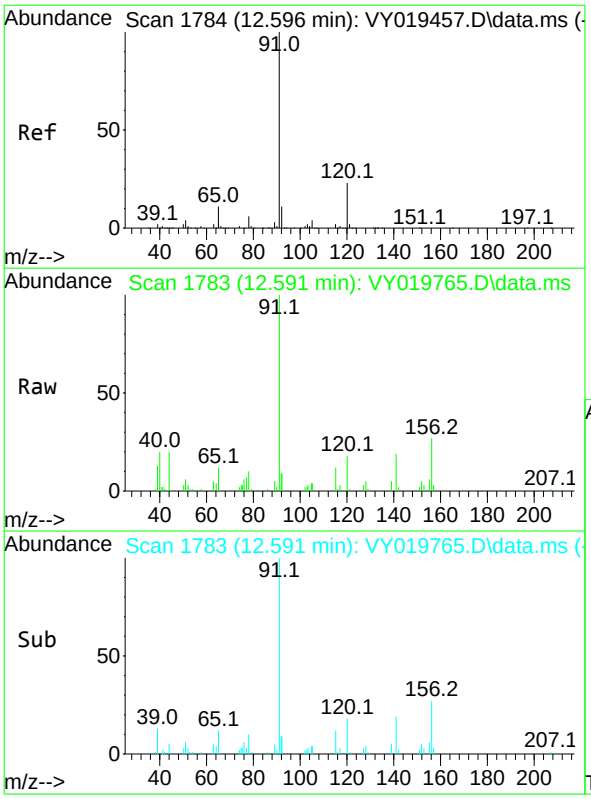


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1906
Delta R.T. -0.006 min
Lab File: VY019765.D
Acq: 02 Oct 2024 15:23

Tgt Ion:152 Resp: 23916

Ion	Ratio	Lower	Upper
152	100		
115	63.2	28.2	84.7
150	158.0	0.0	345.6



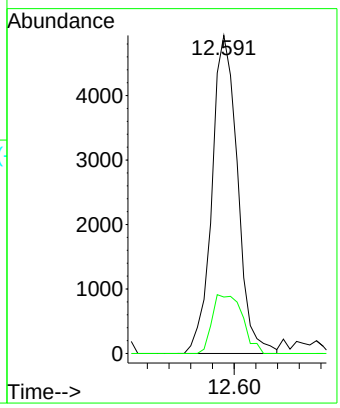


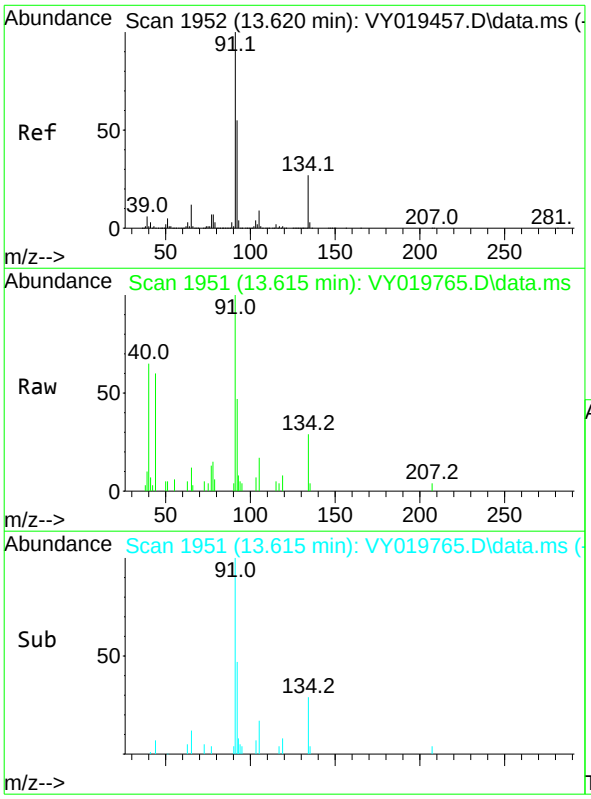
#78
n-propylbenzene
Concen: 3.937 ug/l
RT: 12.591 min Scan# 17
Delta R.T. -0.006 min
Lab File: VY019765.D
Acq: 02 Oct 2024 15:23

Instrument :
MSVOA_Y
ClientSampleId :
Chamberlain Ave

Tgt Ion: 91 Resp: 8096

Ion	Ratio	Lower	Upper
91	100		
120	21.8	11.5	34.4

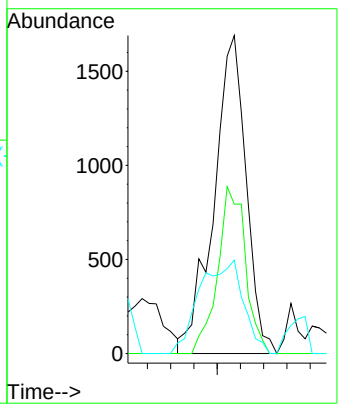


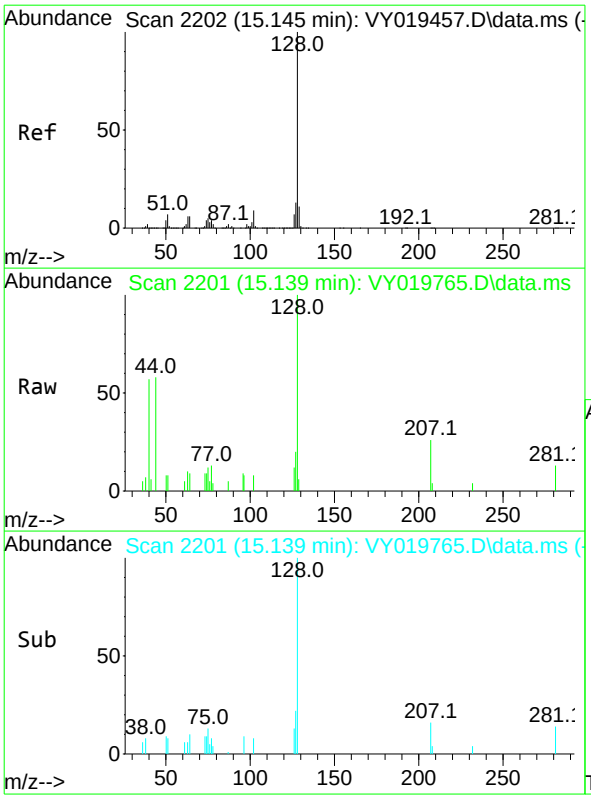


#89
n-Butylbenzene
Concen: 2.245 ug/l
RT: 13.615 min Scan# 1951
Delta R.T. -0.006 min
Lab File: VY019765.D
Acq: 02 Oct 2024 15:23

Tgt Ion: 91 Resp: 3258

Ion	Ratio	Lower	Upper
91	100		
92	45.2	26.6	79.7
134	39.7	12.9	38.7#



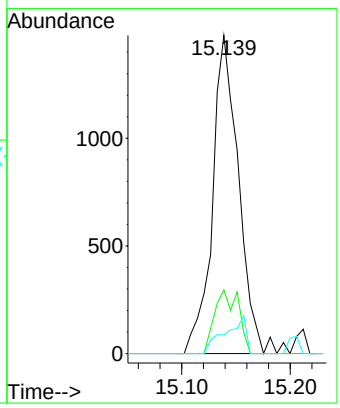


#95
Naphthalene
Concen: 3.038 ug/l
RT: 15.139 min Scan# 22
Delta R.T. -0.006 min
Lab File: VY019765.D
Acq: 02 Oct 2024 15:23

Instrument :
MSVOA_Y
ClientSampleId :
Chamberlain Ave

Tgt Ion:128 Resp: 2469

Ion	Ratio	Lower	Upper
128	100		
127	18.3	10.6	16.0#
129	9.5	8.6	13.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100224\
Data File : VY019765.D
Acq On : 02 Oct 2024 15:23
Operator : SY/MD
Sample : P4258-03
Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
Chamberlain Ave

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
Title : SW846 8260

Signal : TIC: VY019765.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.068	52	57	60	rBV4	2705	5023	1.64%	0.273%
2	4.610	467	474	476	rBV5	3052	5738	1.88%	0.312%
3	6.878	839	846	858	rBV3	5951	20002	6.54%	1.088%
4	7.634	961	970	976	rBV2	42981	104134	34.03%	5.664%
5	7.707	976	982	995	rVB	84742	193990	63.39%	10.552%
6	8.061	1029	1040	1050	rBV2	38014	89988	29.41%	4.895%
7	8.616	1123	1131	1140	rBV	121005	242318	79.19%	13.180%
8	10.103	1368	1375	1385	rBV	176874	306006	100.00%	16.645%
9	10.512	1437	1442	1445	rBV2	3793	6260	2.05%	0.341%
10	10.871	1496	1501	1505	rBV4	1954	3215	1.05%	0.175%
11	11.243	1558	1562	1567	rBV6	2337	4179	1.37%	0.227%
12	11.414	1584	1590	1603	rBV	147873	246977	80.71%	13.434%
13	12.249	1722	1727	1733	rVB3	2891	5247	1.71%	0.285%
14	12.402	1745	1752	1763	rVB2	100754	175834	57.46%	9.564%
15	12.591	1771	1783	1794	rBV3	16221	45841	14.98%	2.493%
16	12.761	1801	1811	1815	rBV10	3708	11760	3.84%	0.640%
17	13.170	1871	1878	1883	rBV4	2196	4456	1.46%	0.242%
18	13.340	1898	1906	1916	rBV	95521	160414	52.42%	8.725%
19	13.511	1927	1934	1937	rBV3	9138	14944	4.88%	0.813%
20	13.542	1937	1939	1944	rVB4	4959	6554	2.14%	0.356%
21	13.596	1944	1948	1949	rBV3	4634	5933	1.94%	0.323%
22	13.889	1990	1996	2001	rBV2	30389	47139	15.40%	2.564%
23	13.944	2001	2005	2008	rBV3	2744	3546	1.16%	0.193%
24	13.993	2008	2013	2018	rVB5	7474	11860	3.88%	0.645%
25	14.212	2044	2049	2058	rVB3	15854	26906	8.79%	1.464%
26	14.480	2087	2093	2096	rBV4	8044	13334	4.36%	0.725%
27	14.596	2104	2112	2118	rVV3	17759	35362	11.56%	1.923%
28	14.657	2118	2122	2126	rVB4	2156	3782	1.24%	0.206%
29	14.858	2145	2155	2158	rBV6	4129	8055	2.63%	0.438%
30	14.956	2166	2171	2177	rBV7	3607	7947	2.60%	0.432%
31	15.139	2197	2201	2207	rVB4	3535	5248	1.71%	0.285%
32	15.297	2222	2227	2230	rVB6	1947	3276	1.07%	0.178%
33	15.925	2327	2330	2336	rVB6	1639	3200	1.05%	0.174%
34	16.169	2368	2370	2376	rVB5	2428	4521	1.48%	0.246%
35	16.370	2398	2403	2408	rBV7	2581	5479	1.79%	0.298%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100224\
Data File : VY019765.D
Acq On : 02 Oct 2024 15:23
Operator : SY/MD
Sample : P4258-03
Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
Chamberlain Ave

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
Title : SW846 8260

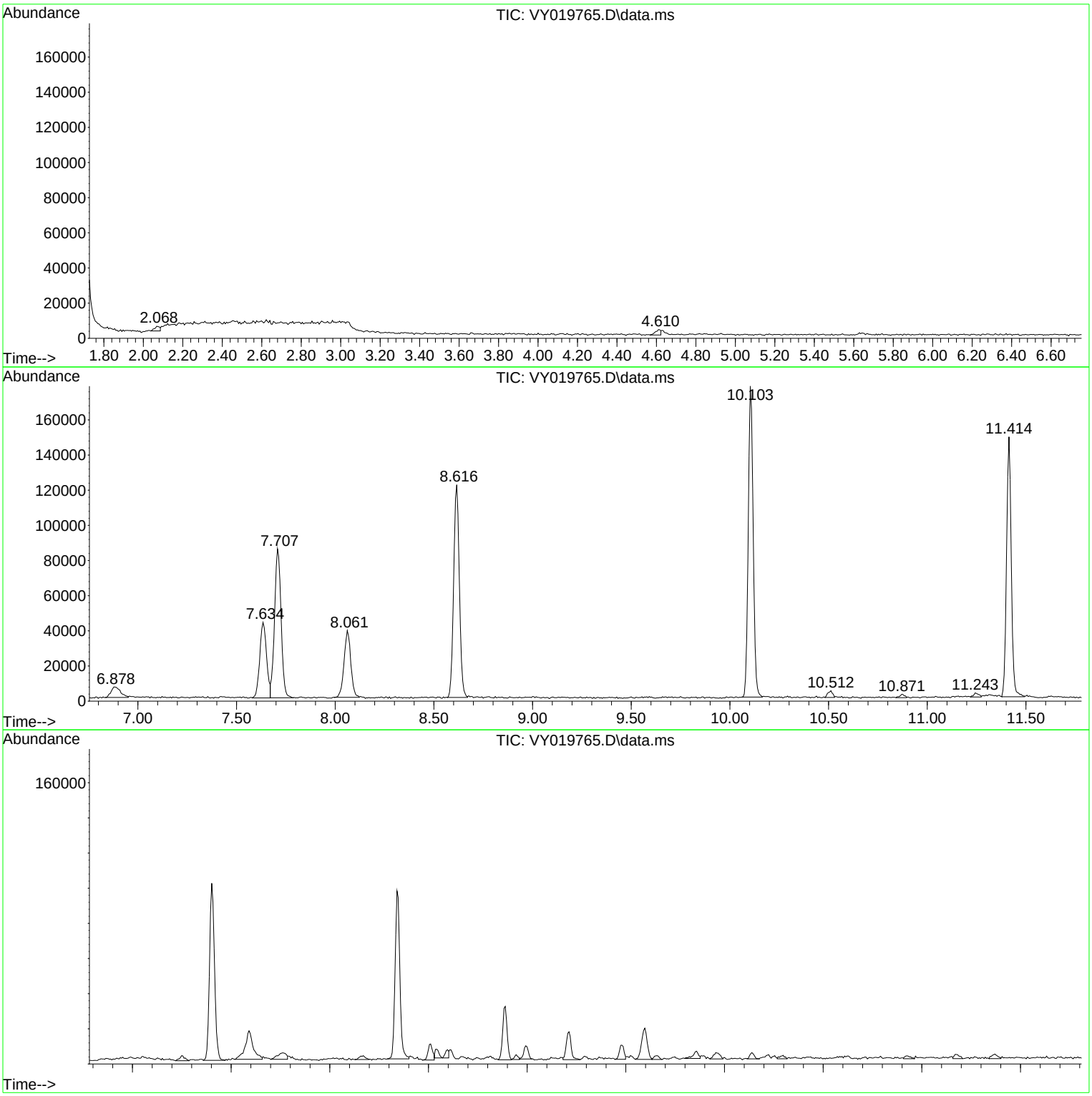
Sum of corrected areas: 1838468

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100224\
Data File : VY019765.D
Acq On : 02 Oct 2024 15:23
Operator : SY/MD
Sample : P4258-03
Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
Chamberlain Ave

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100224\
Data File : VY019765.D
Acq On : 02 Oct 2024 15:23
Operator : SY/MD
Sample : P4258-03
Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
Chamberlain Ave

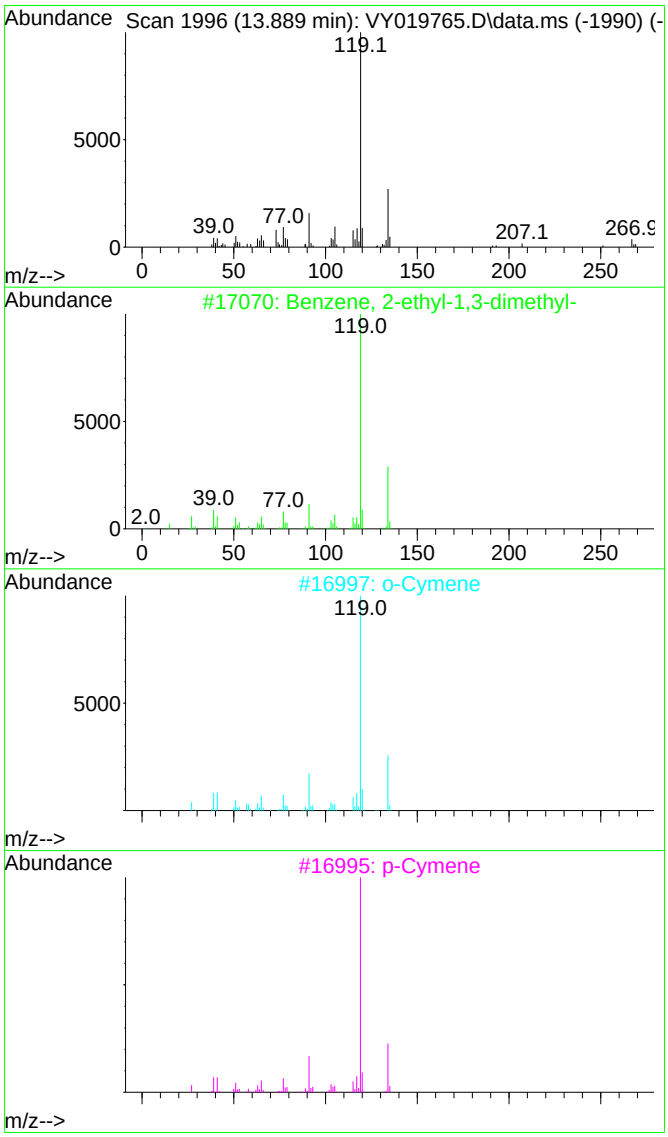
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
Quant Title : SW846 8260

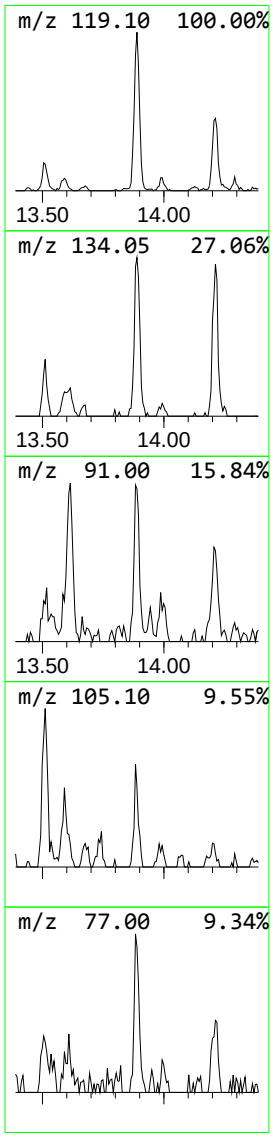
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Benzene, 2-ethyl-1,3-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.889	14.69 ug/l	47139	1,4-Dichlorobenzene-d4	13.340

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94
2	o-Cymene	134	C10H14	000527-84-4	94
3	p-Cymene	134	C10H14	000099-87-6	93
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
5	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100224\
Data File : VY019765.D
Acq On : 02 Oct 2024 15:23
Operator : SY/MD
Sample : P4258-03
Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
Chamberlain Ave

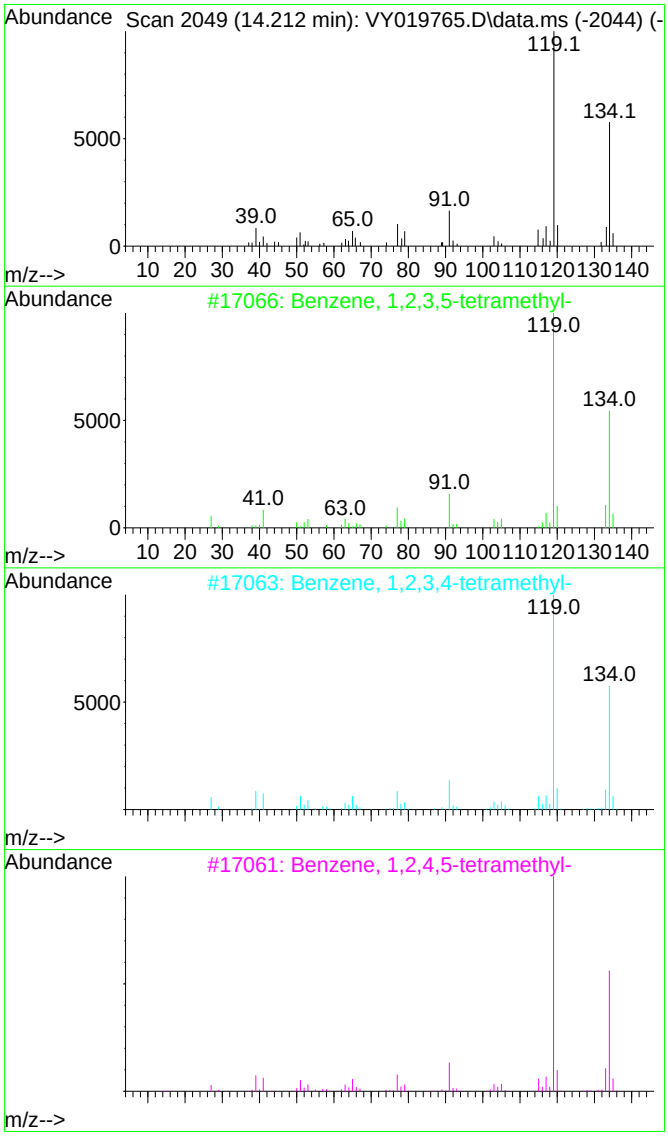
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
Quant Title : SW846 8260

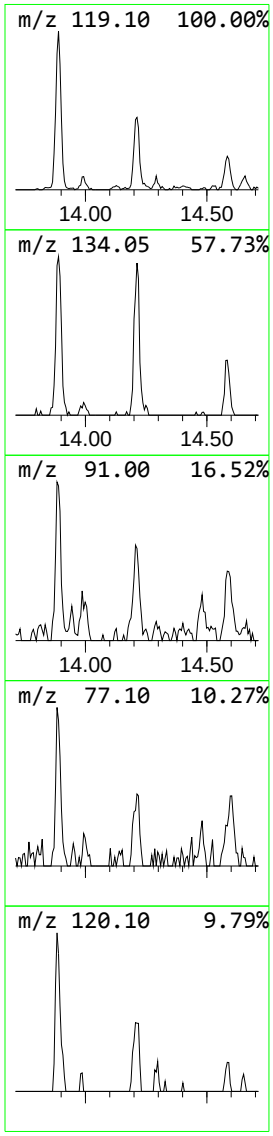
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.212	8.39 ug/l	26906	1,4-Dichlorobenzene-d4	13.340

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	97
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100224\
Data File : VY019765.D
Acq On : 02 Oct 2024 15:23
Operator : SY/MD
Sample : P4258-03
Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
Chamberlain Ave

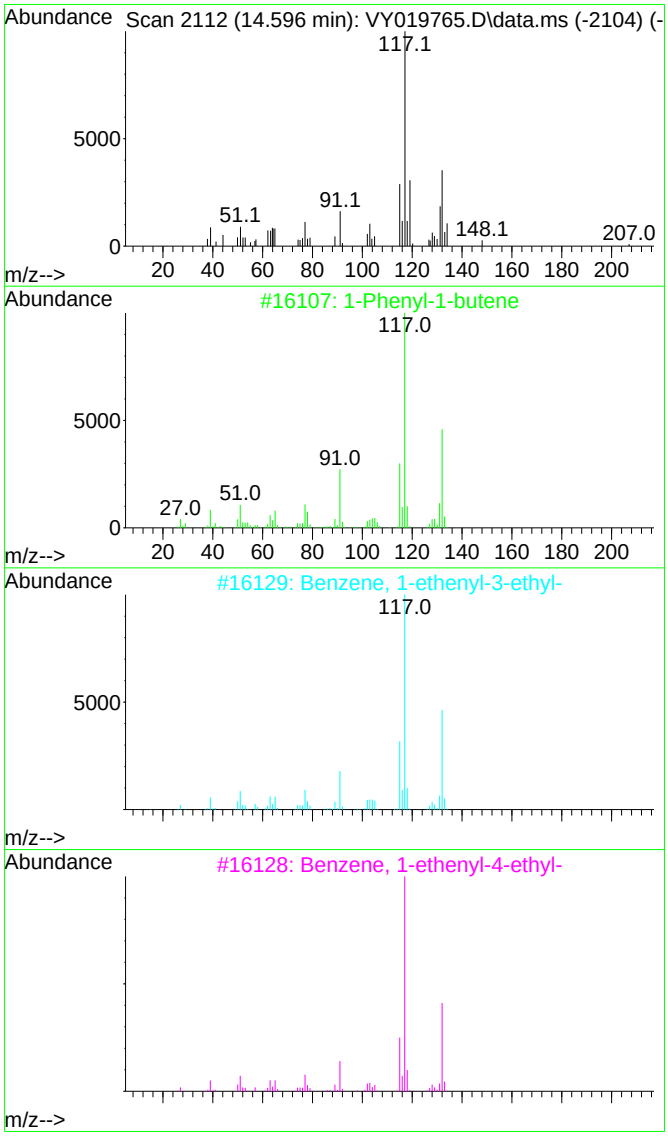
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
Quant Title : SW846 8260

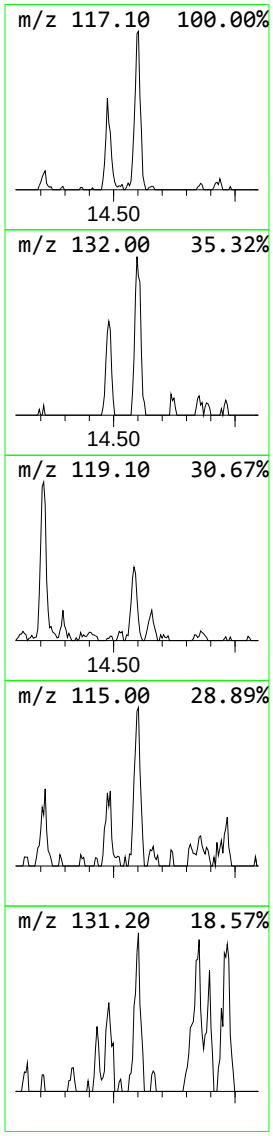
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 1-Phenyl-1-butene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.596	11.02 ug/l	35362	1,4-Dichlorobenzene-d4	13.340

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenyl-1-butene	132	C10H12	000824-90-8	94
2	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	93
3	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	92
4	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	81
5	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	70





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100224\
Data File : VY019765.D
Acq On : 02 Oct 2024 15:23
Operator : SY/MD
Sample : P4258-03
Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
Chamberlain Ave

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Benzene, 2-ethy...	13.889	14.7	ug/l	47139	4	13.340	160414	50.0
Benzene, 1,2,3,...	14.212	8.4	ug/l	26906	4	13.340	160414	50.0
1-Phenyl-1-butene	14.596	11.0	ug/l	35362	4	13.340	160414	50.0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100324\
Data File : VY019780.D
Acq On : 03 Oct 2024 12:10
Operator : SY/MD
Sample : P4258-03RE
Misc : 4.99g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
Chamberlain AveRE

Quant Time: Oct 04 04:20:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
Quant Title : SW846 8260
QLast Update : Mon Sep 09 16:00:30 2024
Response via : Initial Calibration

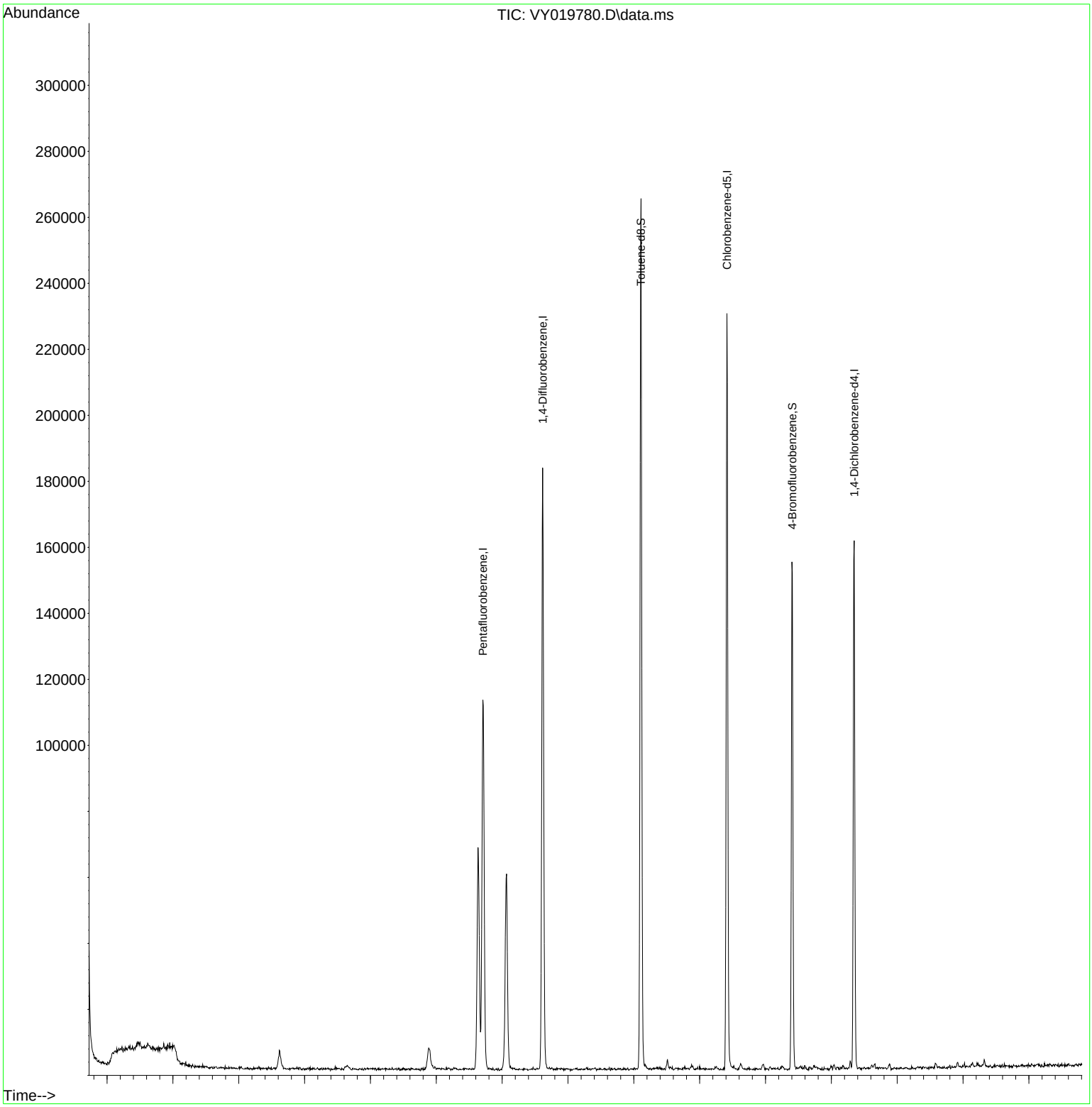
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	82774	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	150343	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	119106	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	38457	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	47695	62.227	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 124.460%			
35) Dibromofluoromethane	7.634	113	48548	56.953	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 113.900%			
50) Toluene-d8	10.109	98	170941	54.217	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 108.440%			
62) 4-Bromofluorobenzene	12.408	95	49064	40.471	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 80.940%			
Target Compounds						Qvalue
95) Naphthalene	15.145	128	1413	1.081	ug/l #	83

(#) = qualifier out of range (m) = manual integration (+) = signals summed

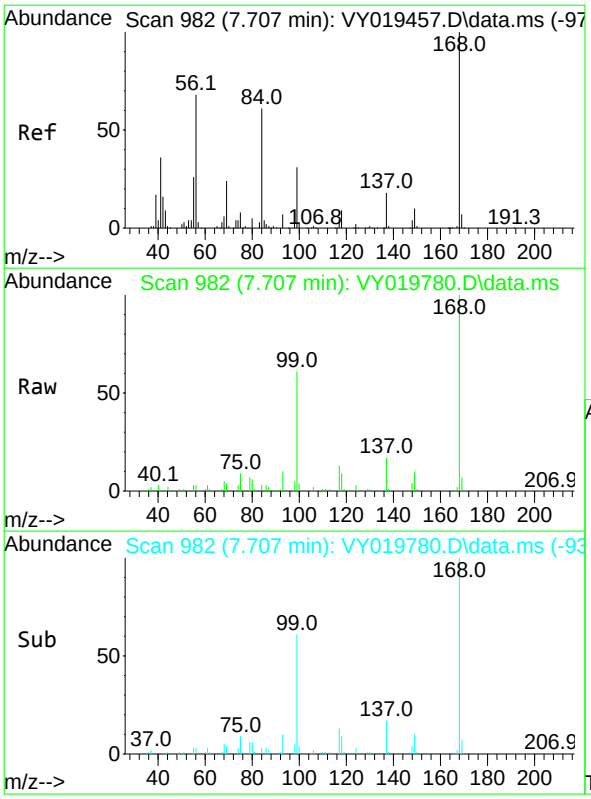
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100324\
Data File : VY019780.D
Acq On : 03 Oct 2024 12:10
Operator : SY/MD
Sample : P4258-03RE
Misc : 4.99g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
Chamberlain AveRE

Quant Time: Oct 04 04:20:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
Quant Title : SW846 8260
QLast Update : Mon Sep 09 16:00:30 2024
Response via : Initial Calibration



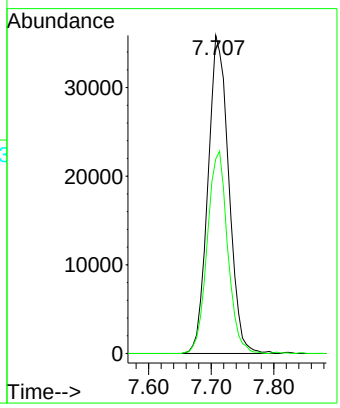
Instrument :
MSVOA_Y
ClientSampleId :
Chamberlain AveRE

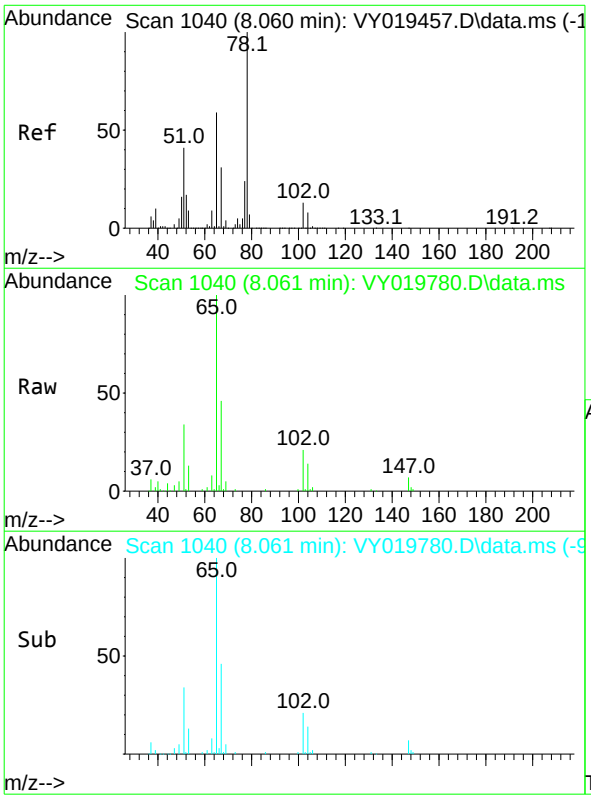


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY019780.D
Acq: 03 Oct 2024 12:10

Tgt Ion:168 Resp: 82774

Ion	Ratio	Lower	Upper
168	100		
99	61.2	39.1	58.7#

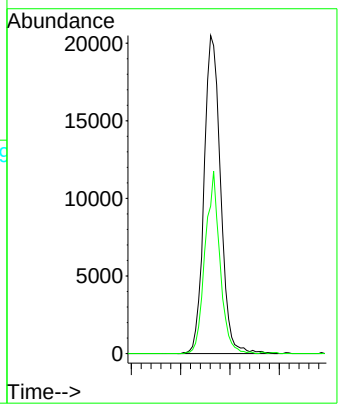


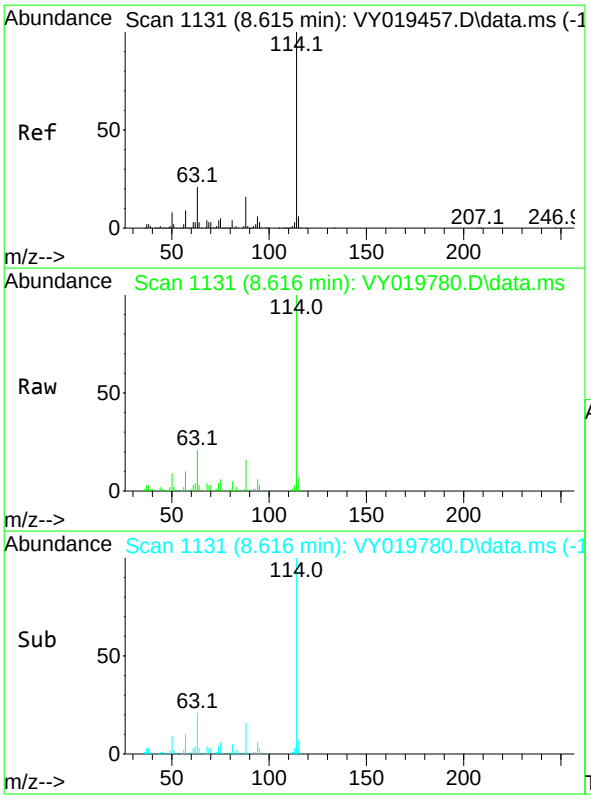


#33
1,2-Dichloroethane-d4
Concen: 62.227 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY019780.D
Acq: 03 Oct 2024 12:10

Tgt Ion: 65 Resp: 47695

Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	109.6



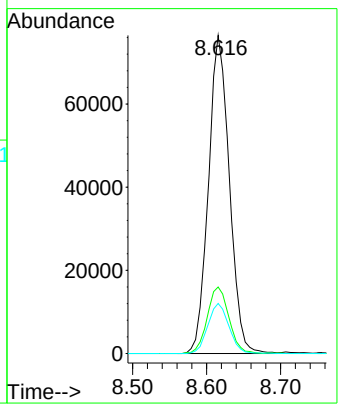


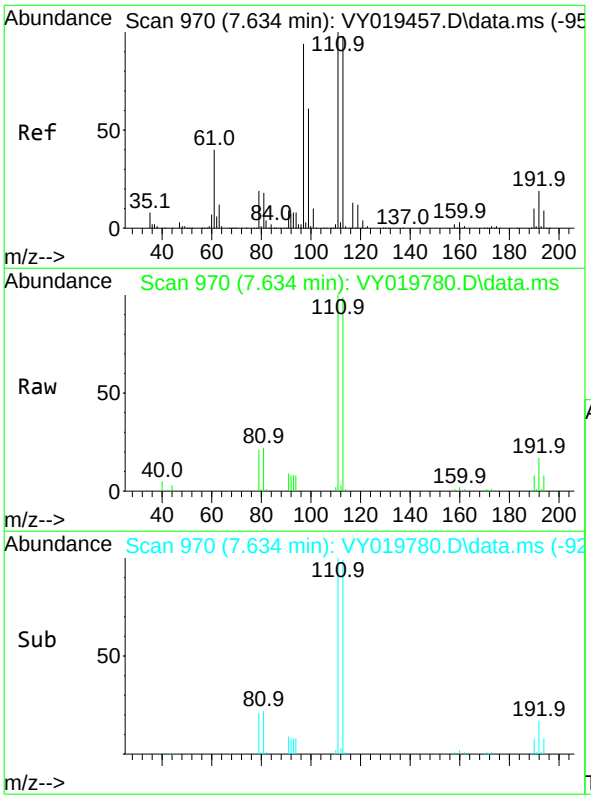
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY019780.D
Acq: 03 Oct 2024 12:10

Instrument :
MSVOA_Y
ClientSampleId :
Chamberlain AveRE

Tgt Ion:114 Resp: 150343

Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	35.0
88	15.7	0.0	27.2

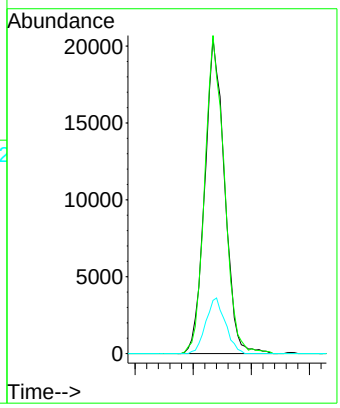




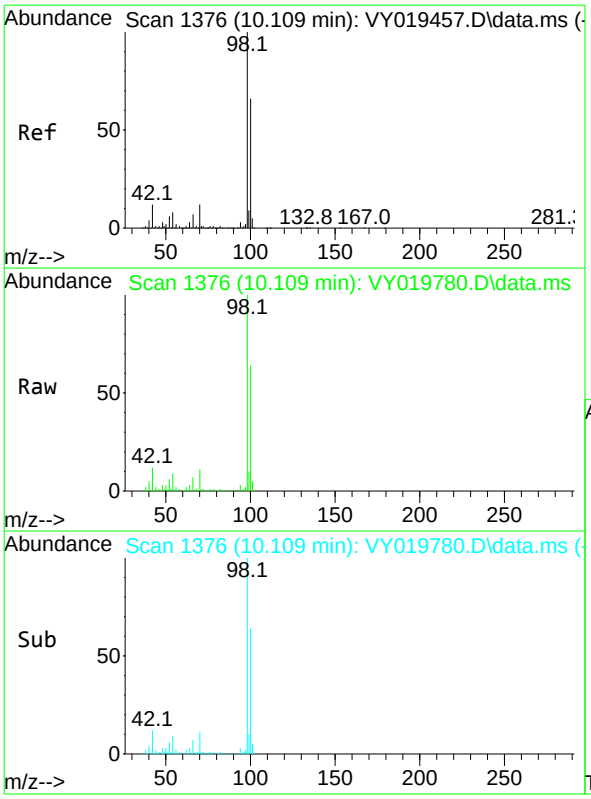
#35
Dibromofluoromethane
Concen: 56.953 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY019780.D
Acq: 03 Oct 2024 12:10

Tgt Ion:113 Resp: 48548

Ion	Ratio	Lower	Upper
113	100		
111	100.1	82.2	123.4
192	17.3	15.9	23.9



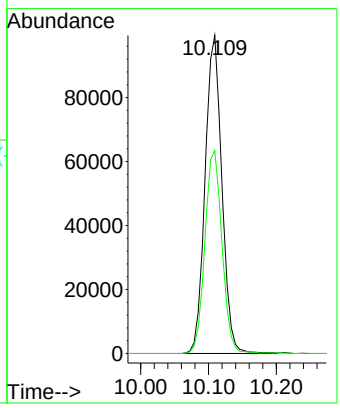
Instrument :
MSVOA_Y
ClientSampleId :
Chamberlain AveRE

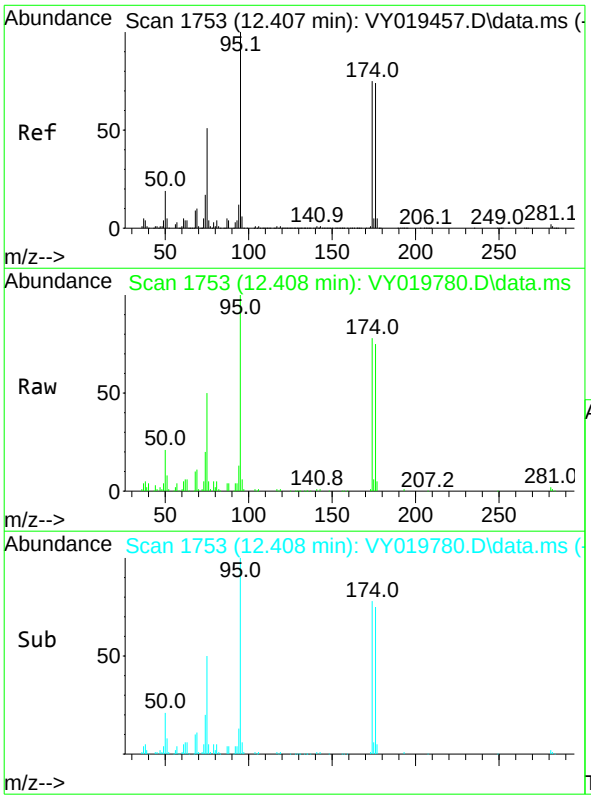


#50
Toluene-d8
Concen: 54.217 ug/l
RT: 10.109 min Scan# 13
Delta R.T. 0.000 min
Lab File: VY019780.D
Acq: 03 Oct 2024 12:10

Tgt Ion: 98 Resp: 170941

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.0	78.0

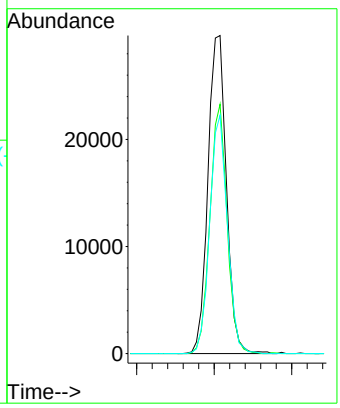


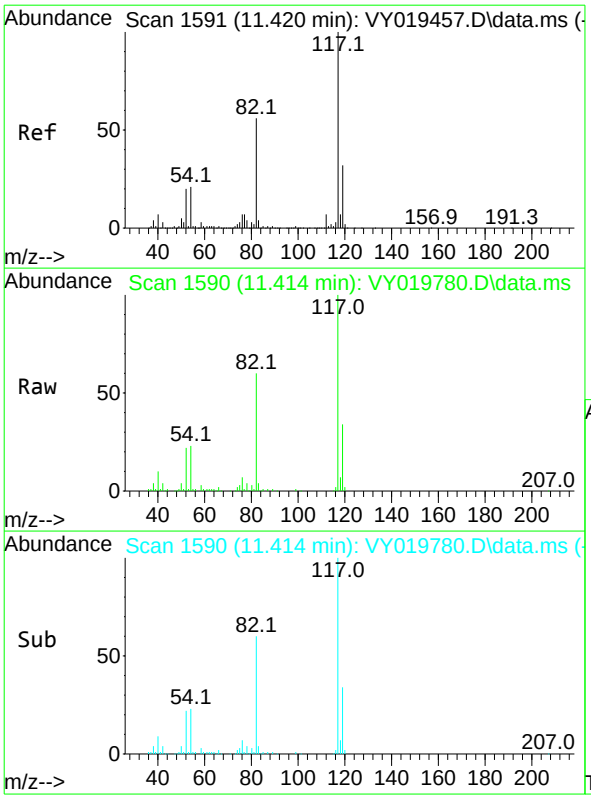


#62
4-Bromofluorobenzene
Concen: 40.471 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY019780.D
Acq: 03 Oct 2024 12:10

Tgt Ion: 95 Resp: 49064

Ion	Ratio	Lower	Upper
95	100		
174	73.0	0.0	175.6
176	71.7	0.0	171.4



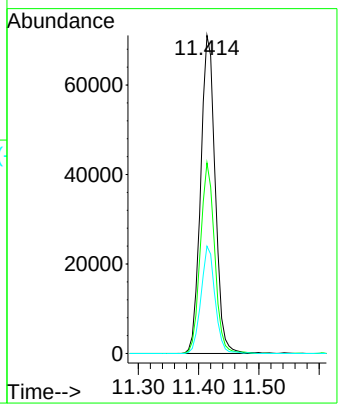


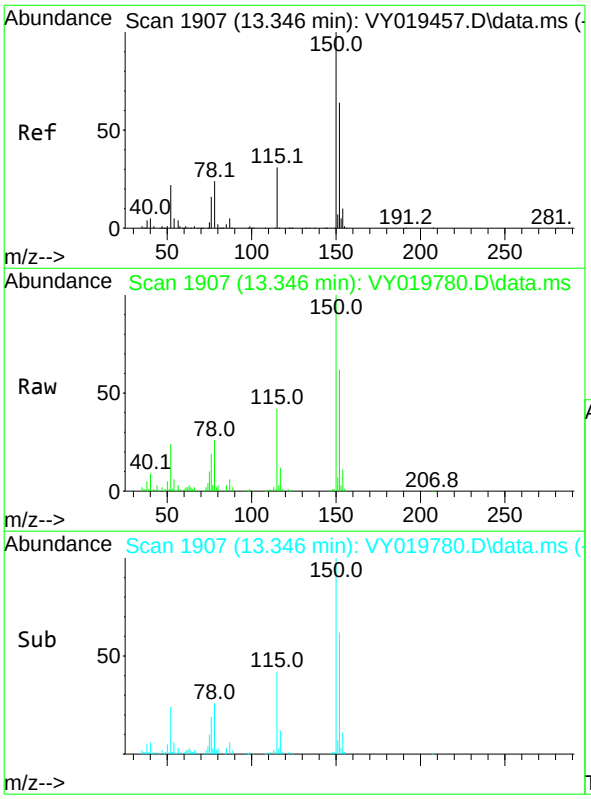
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 15
Delta R.T. -0.006 min
Lab File: VY019780.D
Acq: 03 Oct 2024 12:10

Instrument :
MSVOA_Y
ClientSampleId :
Chamberlain AveRE

Tgt Ion:117 Resp: 119106

Ion	Ratio	Lower	Upper
117	100		
82	59.9	42.4	63.6
119	33.7	25.9	38.9

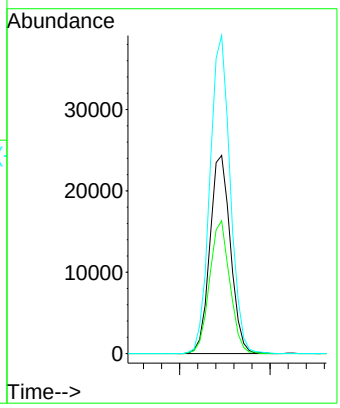


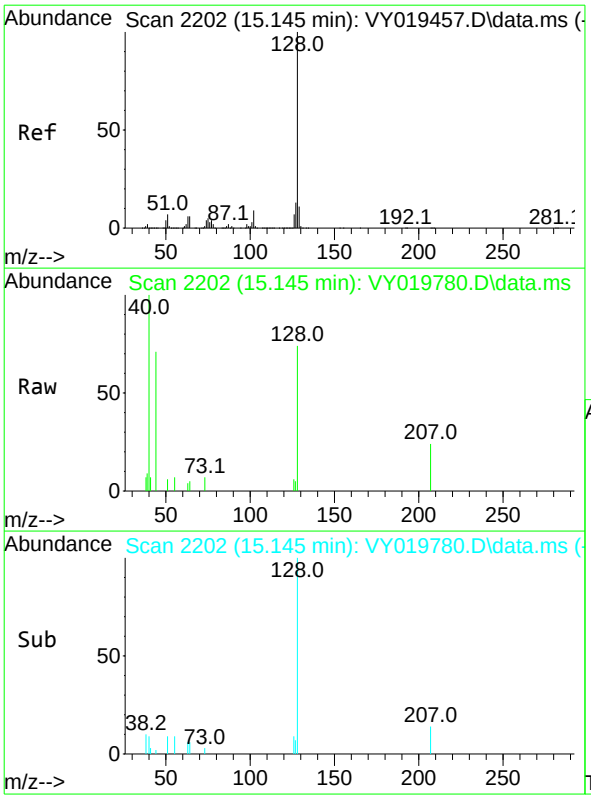


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY019780.D
Acq: 03 Oct 2024 12:10

Tgt Ion:152 Resp: 38457

Ion	Ratio	Lower	Upper
152	100		
115	66.0	28.2	84.7
150	158.4	0.0	345.6



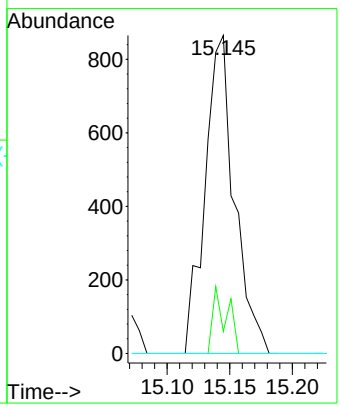


#95
Naphthalene
Concen: 1.081 ug/l
RT: 15.145 min Scan# 22
Delta R.T. 0.000 min
Lab File: VY019780.D
Acq: 03 Oct 2024 12:10

Instrument :
MSVOA_Y
ClientSampleId :
Chamberlain AveRE

Tgt Ion:128 Resp: 1413

Ion	Ratio	Lower	Upper
128	100		
127	10.1	10.6	16.0#
129	0.0	8.6	13.0#



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100224\
Data File : VY019757.D
Acq On : 02 Oct 2024 10:13
Operator : SY/MD
Sample : VY1002SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1002SBL01

Quant Time: Oct 03 01:58:44 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
Quant Title : SW846 8260
QLast Update : Mon Sep 09 16:00:30 2024
Response via : Initial Calibration

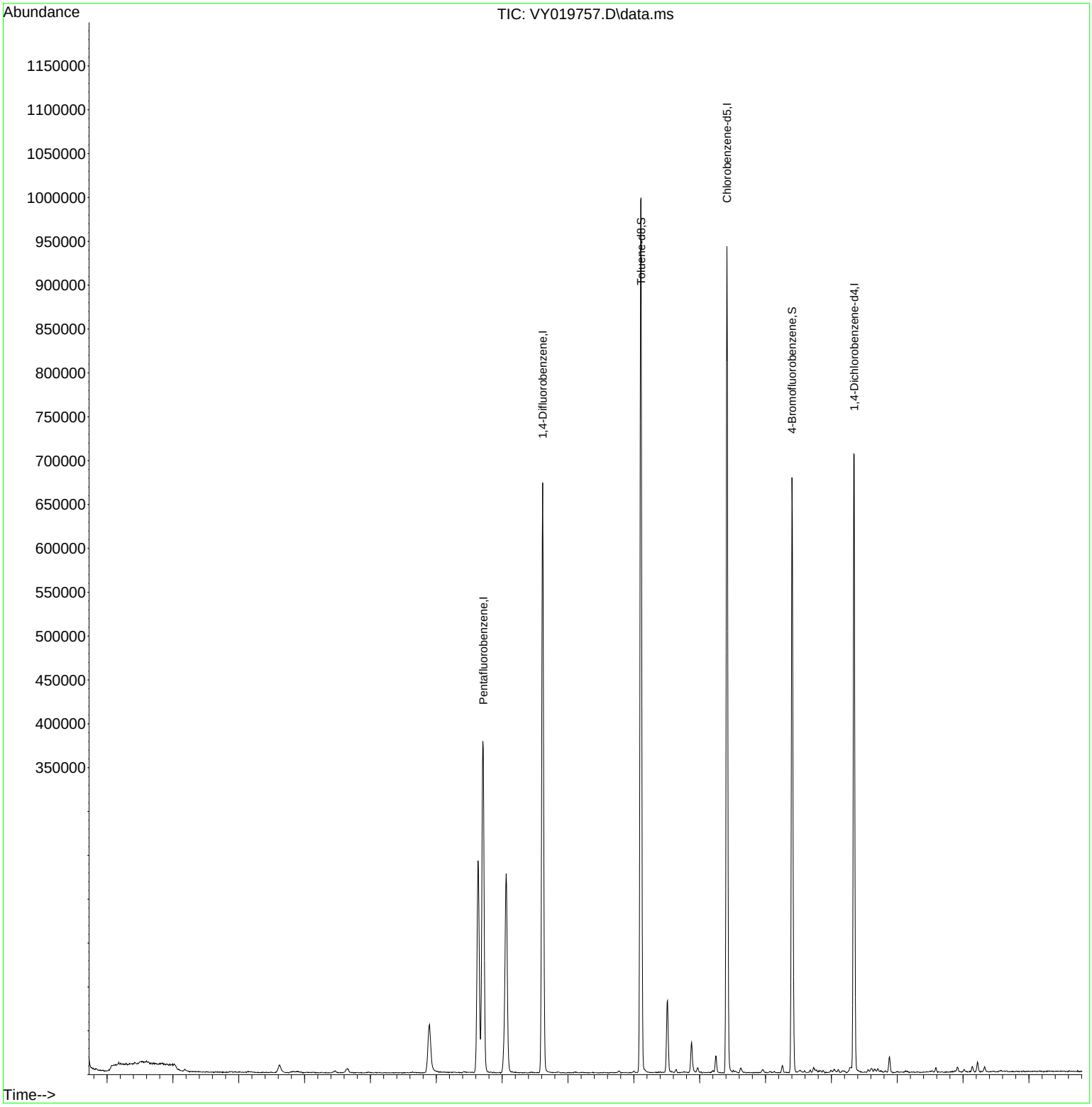
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	286214	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	551968	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	482661	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	169673	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	167942	63.368	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 126.740%			
35) Dibromofluoromethane	7.634	113	173639	55.484	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.960%			
50) Toluene-d8	10.109	98	654579	56.549	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 113.100%			
62) 4-Bromofluorobenzene	12.402	95	204991	46.056	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 92.120%			
Target Compounds						Qvalue

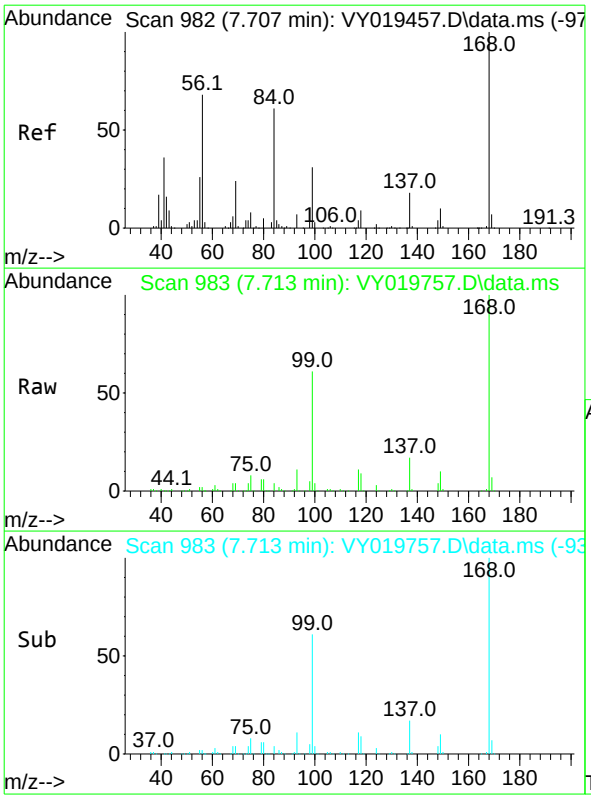
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100224\
Data File : VY019757.D
Acq On : 02 Oct 2024 10:13
Operator : SY/MD
Sample : VY1002SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1002SBL01

Quant Time: Oct 03 01:58:44 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
Quant Title : SW846 8260
QLast Update : Mon Sep 09 16:00:30 2024
Response via : Initial Calibration



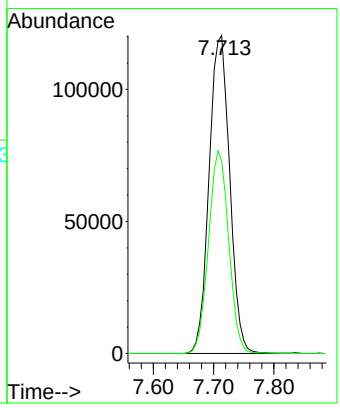


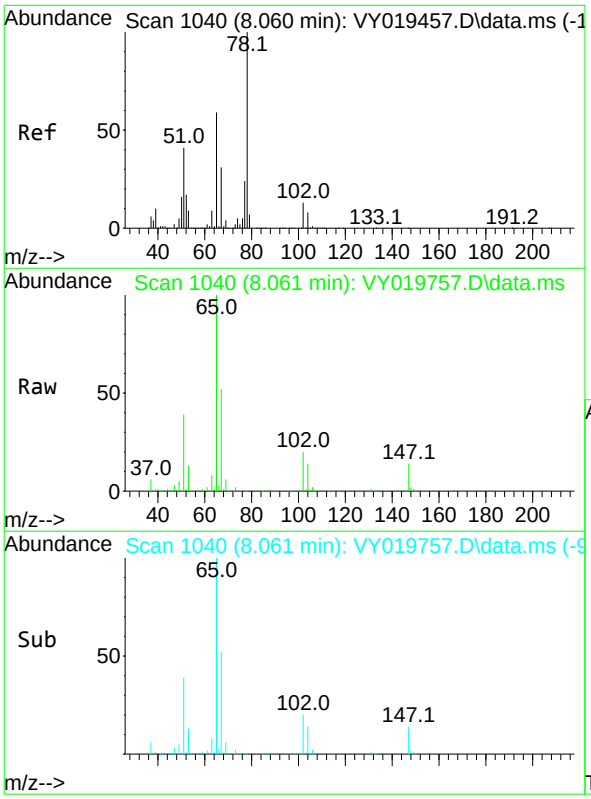
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 98
Delta R.T. 0.006 min
Lab File: VY019757.D
Acq: 02 Oct 2024 10:13

Instrument :
MSVOA_Y
ClientSampleId :
VY1002SBL01

Tgt Ion:168 Resp: 286214

Ion	Ratio	Lower	Upper
168	100		
99	60.6	39.1	58.7#

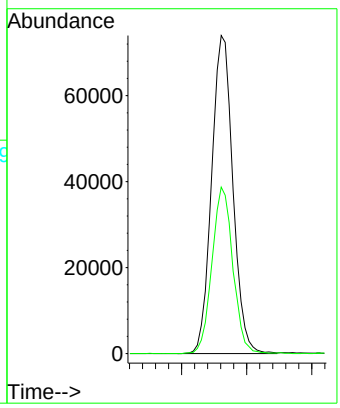


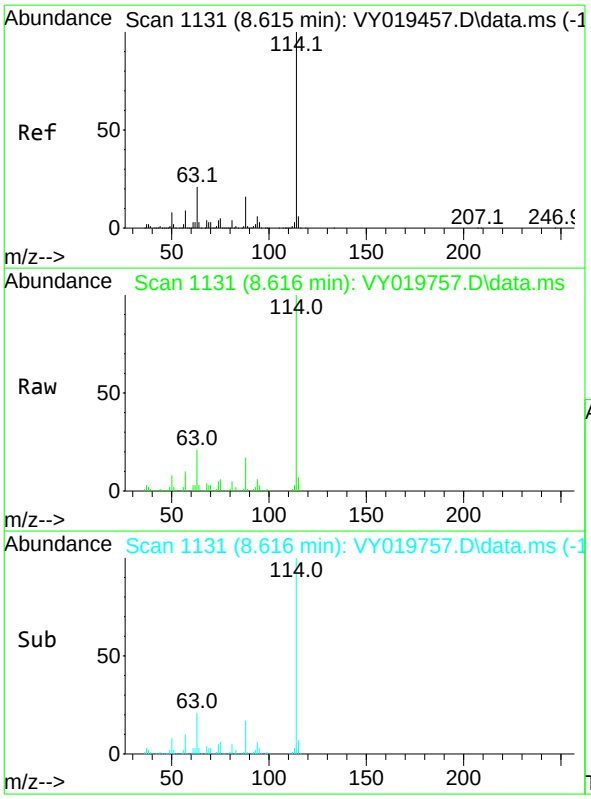


#33
1,2-Dichloroethane-d4
Concen: 63.368 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY019757.D
Acq: 02 Oct 2024 10:13

Tgt Ion: 65 Resp: 167942

Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	109.6



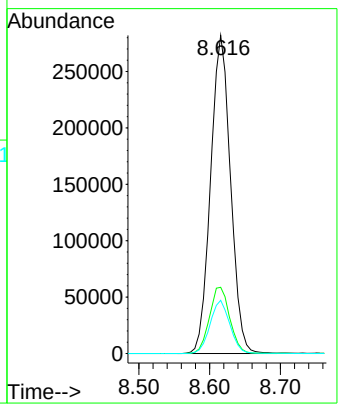


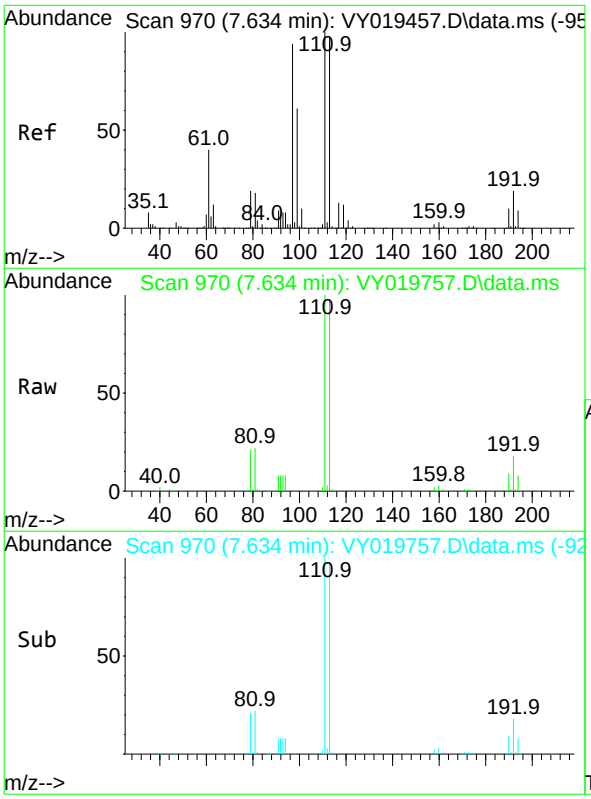
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY019757.D
Acq: 02 Oct 2024 10:13

Instrument :
MSVOA_Y
ClientSampleId :
VY1002SBL01

Tgt Ion:114 Resp: 551968

Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	35.0
88	16.7	0.0	27.2

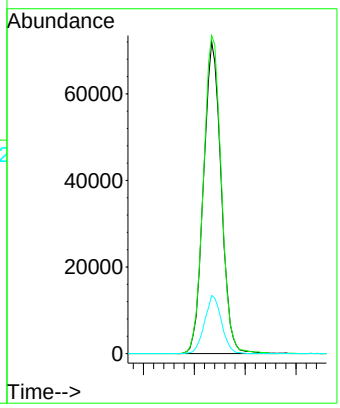


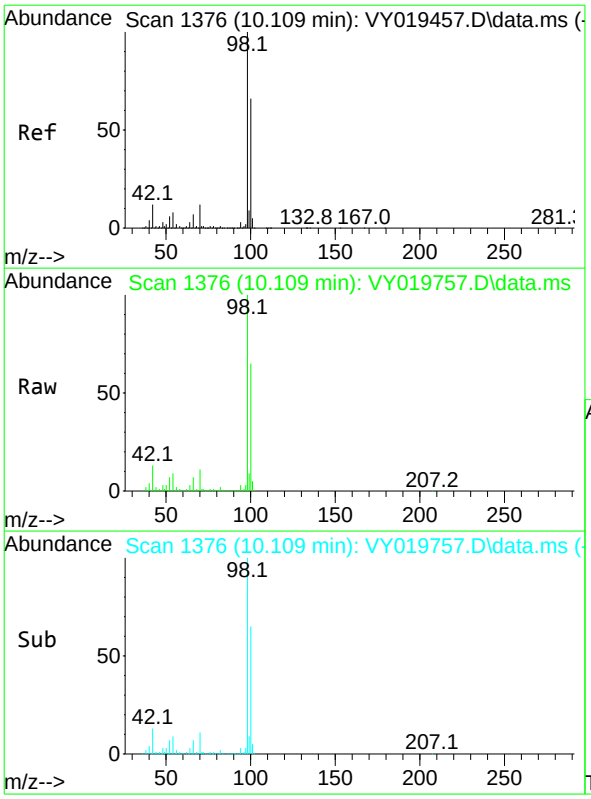


#35
Dibromofluoromethane
Concen: 55.484 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY019757.D
Acq: 02 Oct 2024 10:13

Tgt Ion:113 Resp: 173639

Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.2	123.4
192	17.9	15.9	23.9



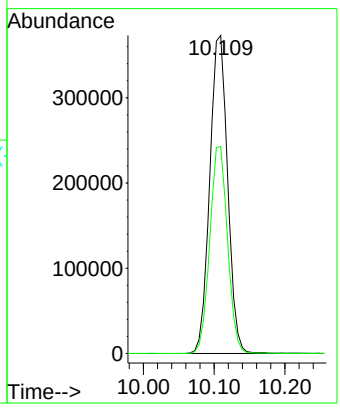


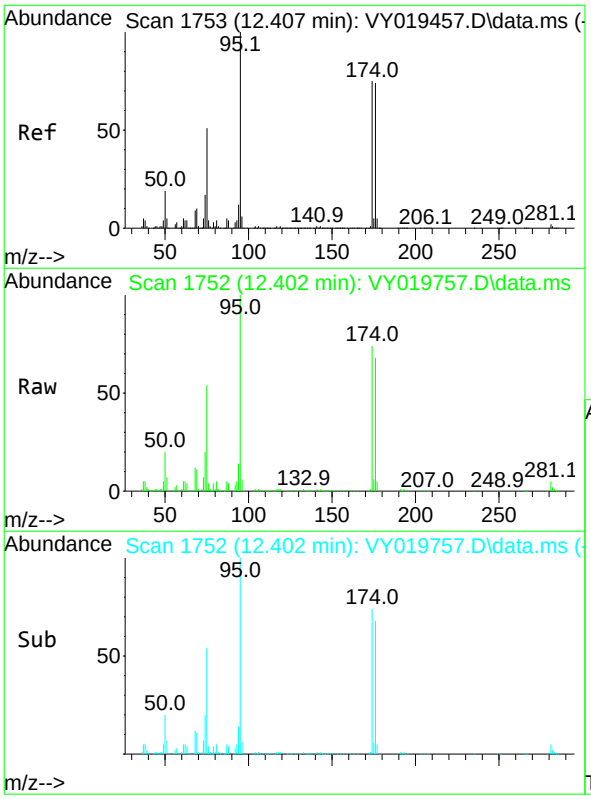
#50
Toluene-d8
Concen: 56.549 ug/l
RT: 10.109 min Scan# 13
Delta R.T. 0.000 min
Lab File: VY019757.D
Acq: 02 Oct 2024 10:13

Instrument :
MSVOA_Y
ClientSampleId :
VY1002SBL01

Tgt Ion: 98 Resp: 654579

Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.0	78.0

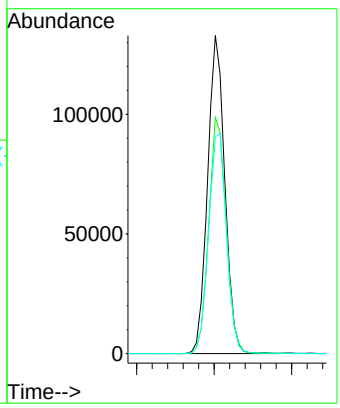


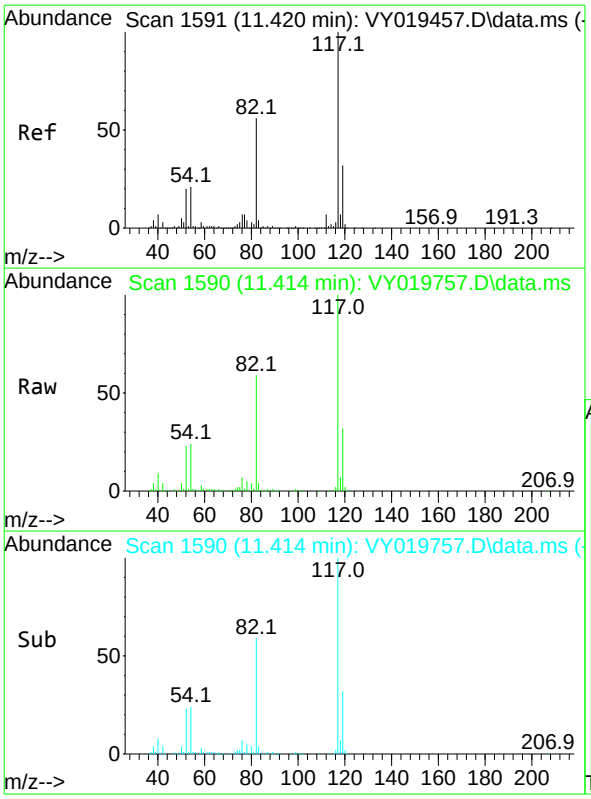


#62
4-Bromofluorobenzene
Concen: 46.056 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY019757.D
Acq: 02 Oct 2024 10:13

Tgt Ion: 95 Resp: 204991

Ion	Ratio	Lower	Upper
95	100		
174	75.2	0.0	175.6
176	72.1	0.0	171.4



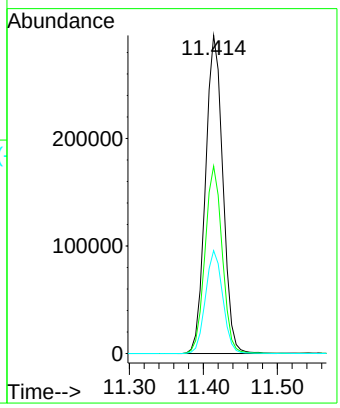


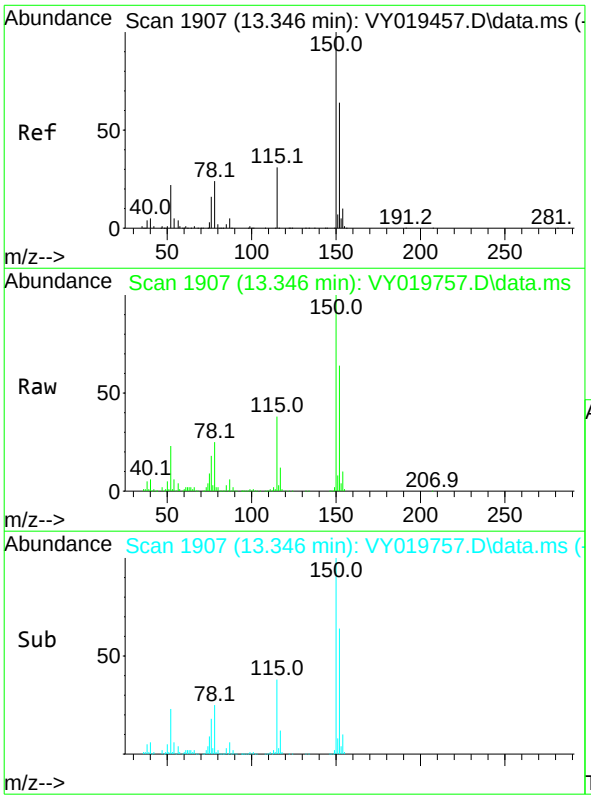
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 15
Delta R.T. -0.006 min
Lab File: VY019757.D
Acq: 02 Oct 2024 10:13

Instrument :
MSVOA_Y
ClientSampleId :
VY1002SBL01

Tgt Ion:117 Resp: 482661

Ion	Ratio	Lower	Upper
117	100		
82	58.9	42.4	63.6
119	32.3	25.9	38.9

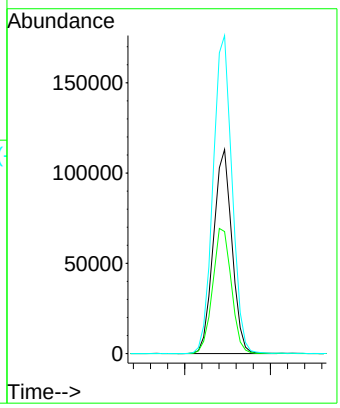




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY019757.D
Acq: 02 Oct 2024 10:13

Tgt Ion:152 Resp: 169673

Ion	Ratio	Lower	Upper
152	100		
115	62.1	28.2	84.7
150	159.5	0.0	345.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100224\
Data File : VY019757.D
Acq On : 02 Oct 2024 10:13
Operator : SY/MD
Sample : VY1002SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1002SBL01

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
Title : SW846 8260

Signal : TIC: VY019757.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.616	465	475	484	rBV4	8798	28099	1.59%	0.298%
2	6.896	834	849	863	rBV	55104	179700	10.17%	1.905%
3	7.634	959	970	976	rBV	241788	581728	32.93%	6.165%
4	7.707	976	982	994	rVB	377132	893058	50.55%	9.465%
5	8.061	1026	1040	1051	rBV2	227259	581590	32.92%	6.164%
6	8.616	1121	1131	1148	rBV	672838	1324041	74.94%	14.033%
7	10.109	1367	1376	1392	rBV	997249	1766815	100.00%	18.726%
8	10.512	1435	1442	1449	rBV	81629	151037	8.55%	1.601%
9	10.877	1494	1502	1509	rBV3	34280	64343	3.64%	0.682%
10	11.243	1558	1562	1571	rVB2	19229	32775	1.86%	0.347%
11	11.414	1583	1590	1604	rBV	942133	1537524	87.02%	16.295%
12	12.402	1745	1752	1762	rBV2	678649	1128678	63.88%	11.962%
13	13.340	1900	1906	1921	rVB	704386	1117288	63.24%	11.842%
14	13.883	1989	1995	2002	rVB2	17654	28783	1.63%	0.305%
15	15.218	2209	2214	2221	rVB	11788	19854	1.12%	0.210%

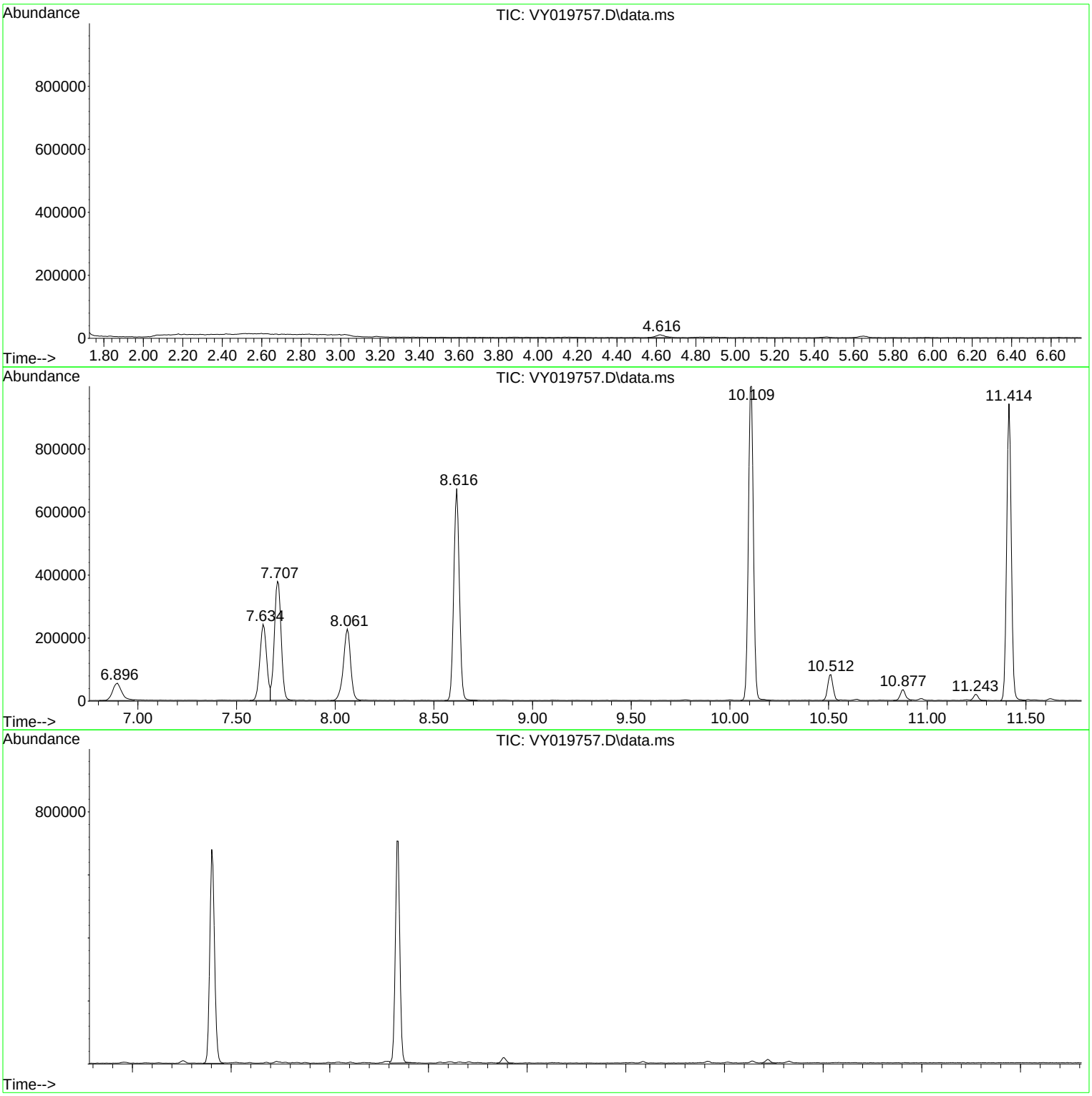
Sum of corrected areas: 9435313

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100224\
Data File : VY019757.D
Acq On : 02 Oct 2024 10:13
Operator : SY/MD
Sample : VY1002SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1002SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100224\
Data File : VY019757.D
Acq On : 02 Oct 2024 10:13
Operator : SY/MD
Sample : VY1002SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1002SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100224\
Data File : VY019757.D
Acq On : 02 Oct 2024 10:13
Operator : SY/MD
Sample : VY1002SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1002SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100324\
Data File : VY019777.D
Acq On : 03 Oct 2024 10:17
Operator : SY/MD
Sample : VY1003SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1003SBL01

Quant Time: Oct 04 01:22:23 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
Quant Title : SW846 8260
QLast Update : Mon Sep 09 16:00:30 2024
Response via : Initial Calibration

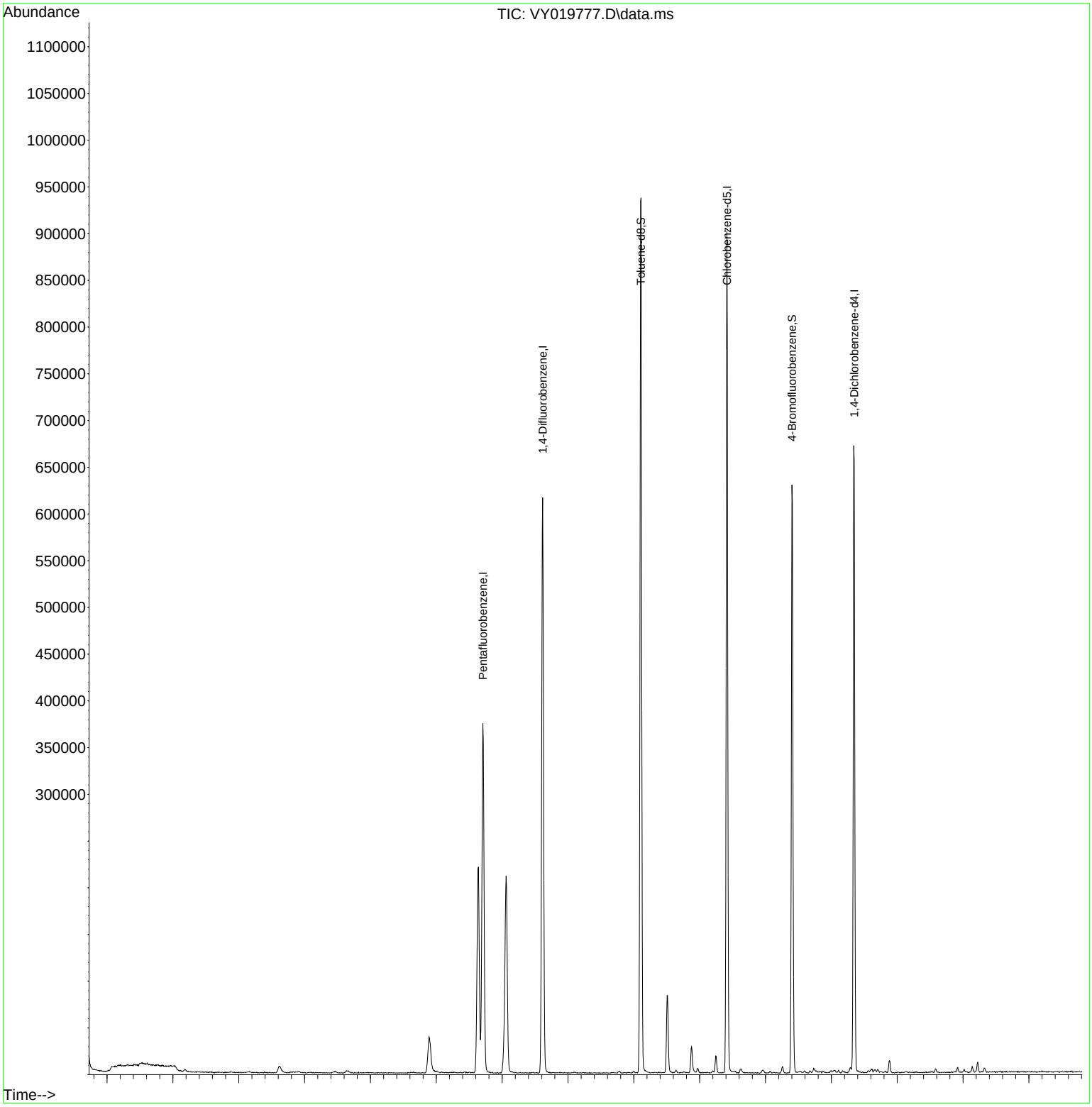
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Pentafluorobenzene	7.707	168	267988	50.000 ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	512122	50.000 ug/l	0.00
63) Chlorobenzene-d5	11.414	117	450147	50.000 ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	160873	50.000 ug/l	0.00
System Monitoring Compounds					
33) 1,2-Dichloroethane-d4	8.061	65	152175	61.324 ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 122.640%		
35) Dibromofluoromethane	7.640	113	160925	55.422 ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.840%		
50) Toluene-d8	10.109	98	611282	56.917 ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 113.840%		
62) 4-Bromofluorobenzene	12.401	95	191072	46.269 ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 92.540%		
Target Compounds					Qvalue

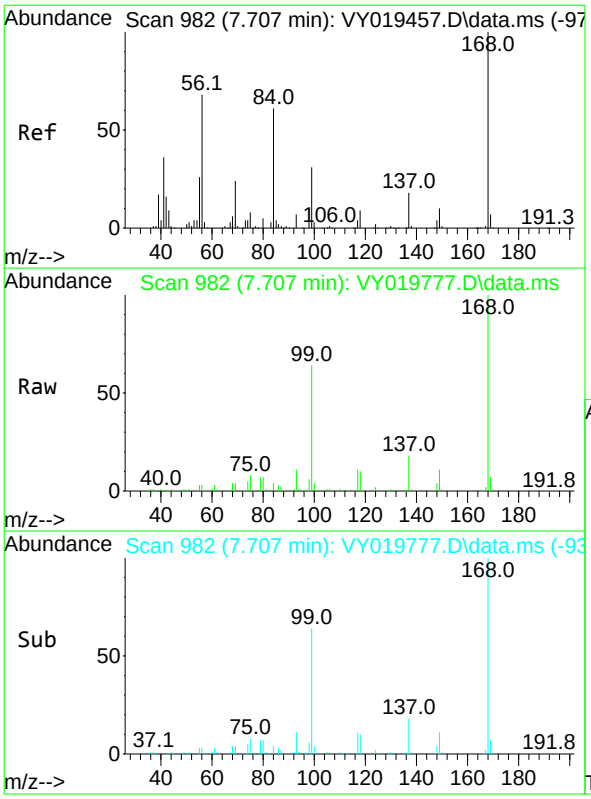
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100324\
Data File : VY019777.D
Acq On : 03 Oct 2024 10:17
Operator : SY/MD
Sample : VY1003SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1003SBL01

Quant Time: Oct 04 01:22:23 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
Quant Title : SW846 8260
QLast Update : Mon Sep 09 16:00:30 2024
Response via : Initial Calibration



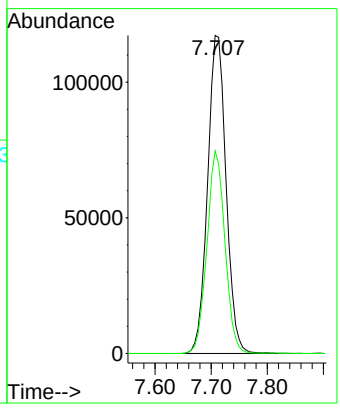


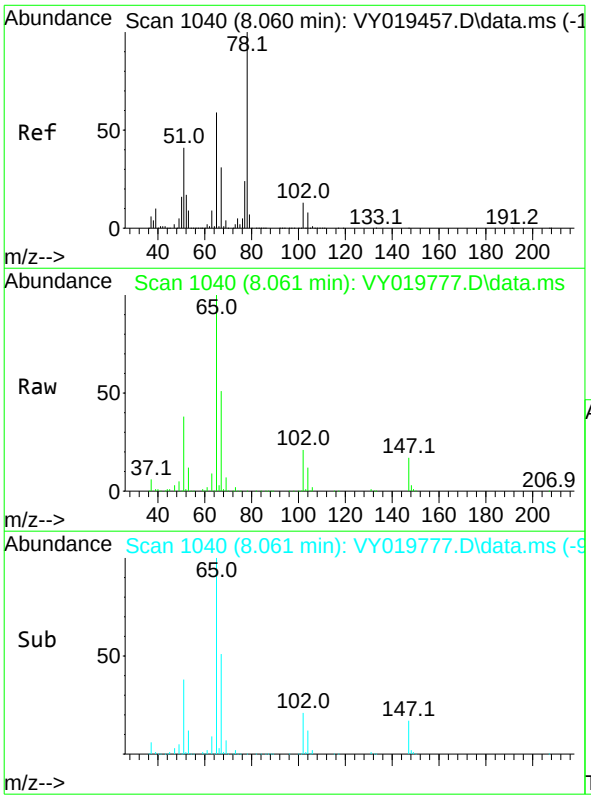
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY019777.D
Acq: 03 Oct 2024 10:17

Instrument :
MSVOA_Y
ClientSampleId :
VY1003SBL01

Tgt Ion:168 Resp: 267988

Ion	Ratio	Lower	Upper
168	100		
99	63.7	39.1	58.7#

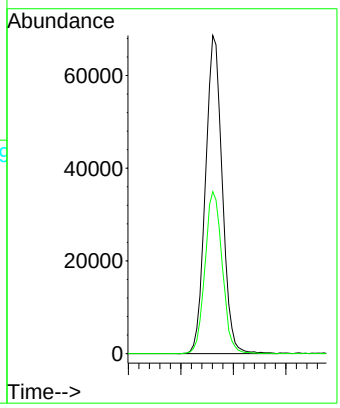


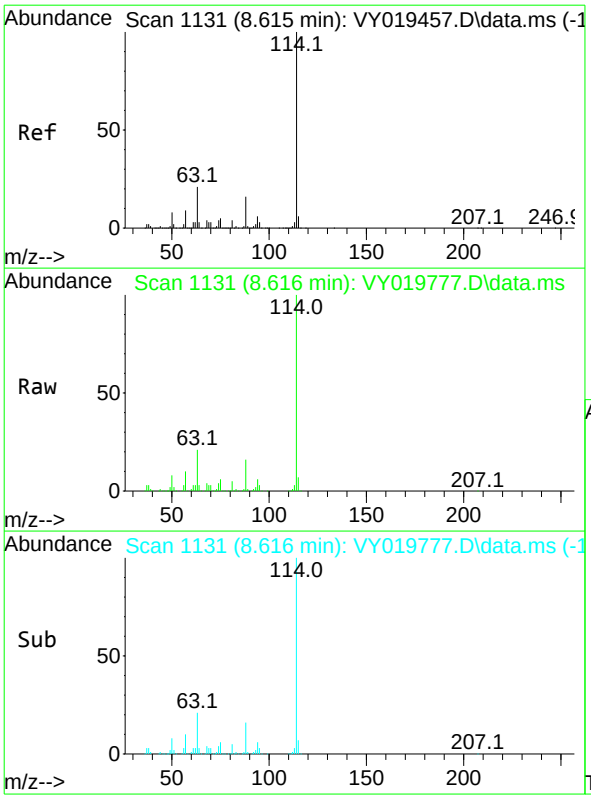


#33
1,2-Dichloroethane-d4
Concen: 61.324 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY019777.D
Acq: 03 Oct 2024 10:17

Tgt Ion: 65 Resp: 152175

Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	109.6



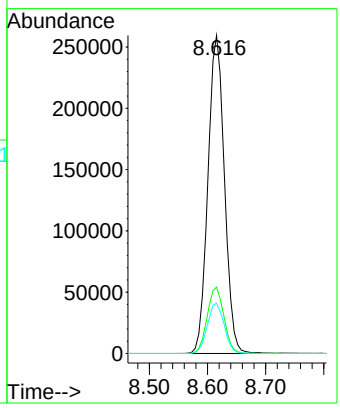


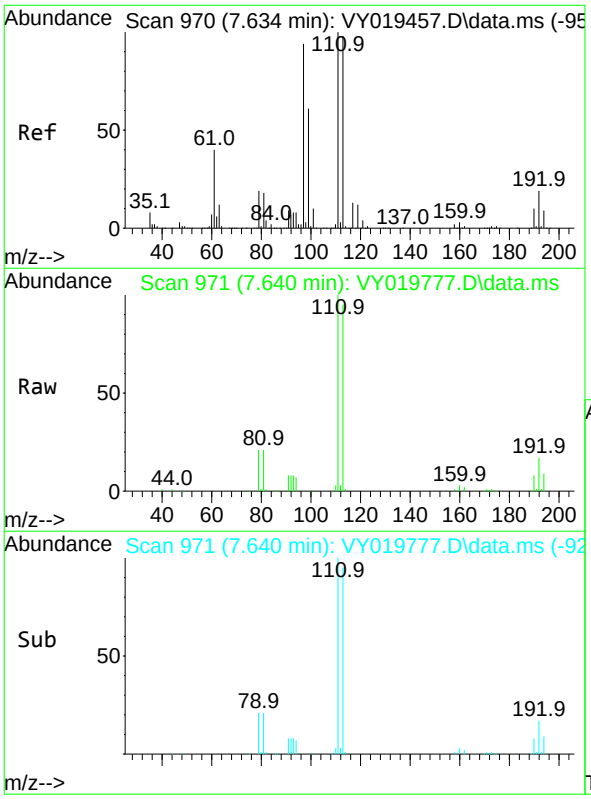
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY019777.D
Acq: 03 Oct 2024 10:17

Instrument :
MSVOA_Y
ClientSampleId :
VY1003SBL01

Tgt Ion:114 Resp: 512122

Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	35.0
88	15.8	0.0	27.2

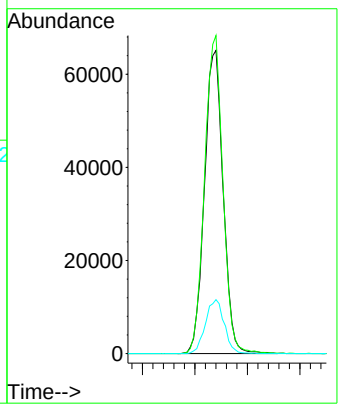


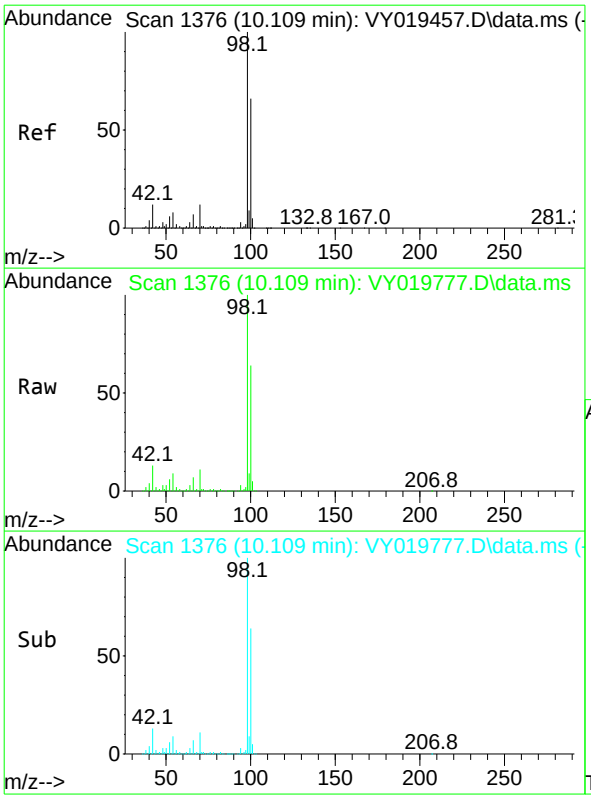


#35
Dibromofluoromethane
Concen: 55.422 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY019777.D
Acq: 03 Oct 2024 10:17

Tgt Ion:113 Resp: 160925

Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.2	123.4
192	17.9	15.9	23.9



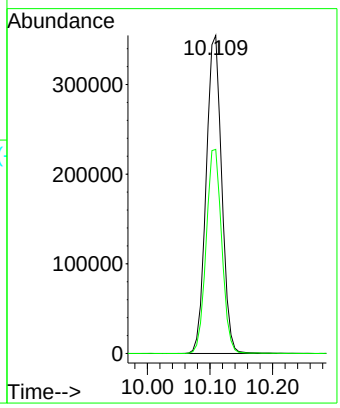


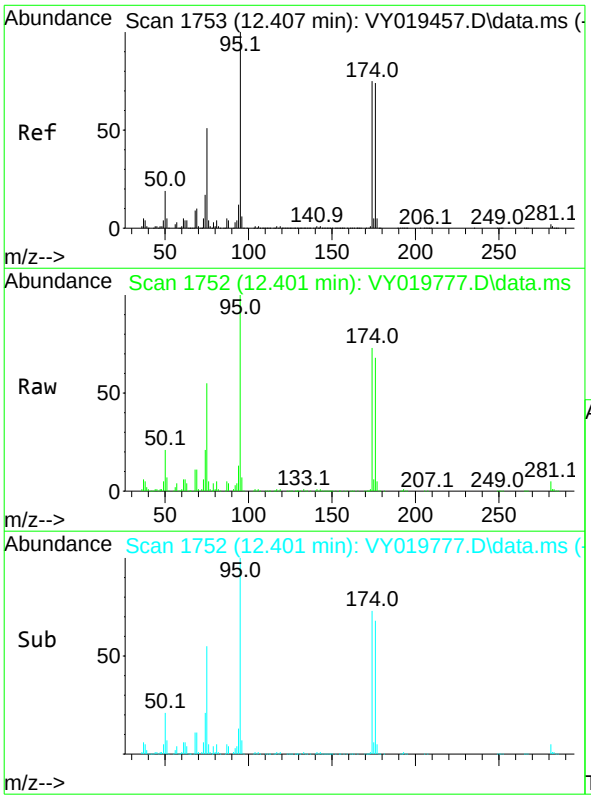
#50
Toluene-d8
Concen: 56.917 ug/l
RT: 10.109 min Scan# 13
Delta R.T. 0.000 min
Lab File: VY019777.D
Acq: 03 Oct 2024 10:17

Instrument :
MSVOA_Y
ClientSampleId :
VY1003SBL01

Tgt Ion: 98 Resp: 611282

Ion	Ratio	Lower	Upper
98	100		
100	64.3	52.0	78.0

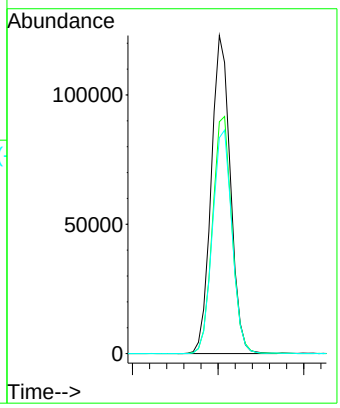


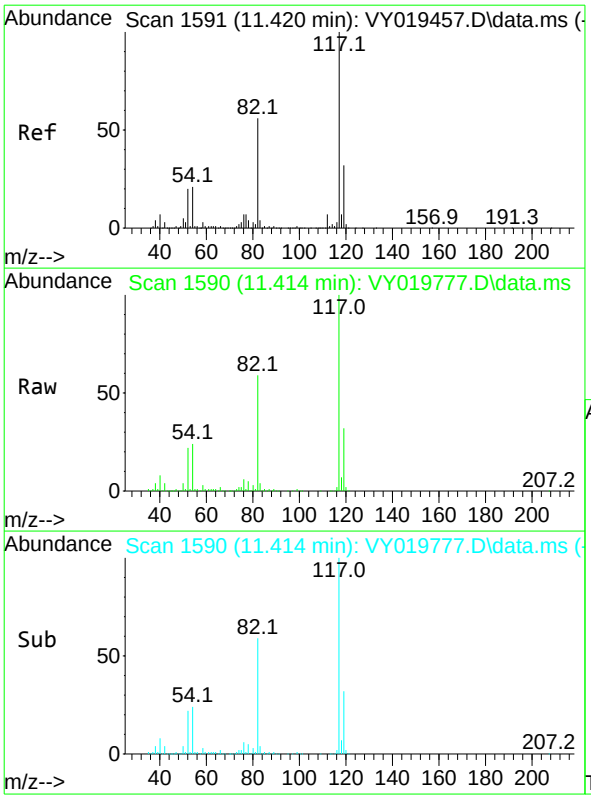


#62
4-Bromofluorobenzene
Concen: 46.269 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY019777.D
Acq: 03 Oct 2024 10:17

Tgt Ion: 95 Resp: 191072

Ion	Ratio	Lower	Upper
95	100		
174	75.1	0.0	175.6
176	71.7	0.0	171.4



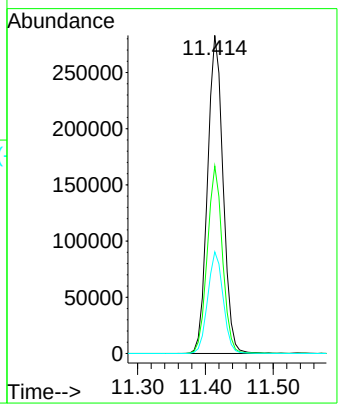


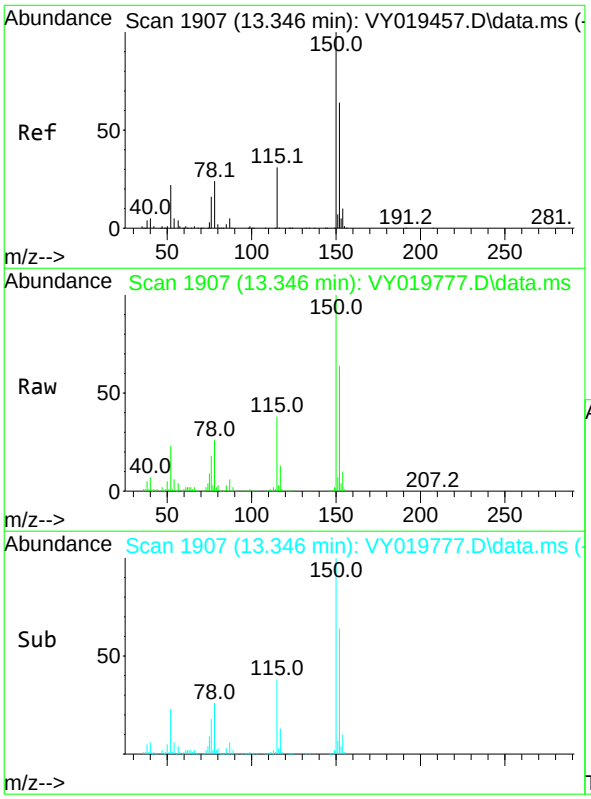
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 15
Delta R.T. -0.006 min
Lab File: VY019777.D
Acq: 03 Oct 2024 10:17

Instrument :
MSVOA_Y
ClientSampleId :
VY1003SBL01

Tgt Ion:117 Resp: 450147

Ion	Ratio	Lower	Upper
117	100		
82	58.9	42.4	63.6
119	32.0	25.9	38.9

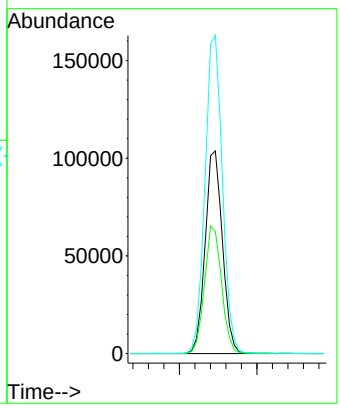




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY019777.D
Acq: 03 Oct 2024 10:17

Tgt Ion:152 Resp: 160873

Ion	Ratio	Lower	Upper
152	100		
115	62.2	28.2	84.7
150	157.9	0.0	345.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100324\
Data File : VY019777.D
Acq On : 03 Oct 2024 10:17
Operator : SY/MD
Sample : VY1003SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1003SBL01

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
Title : SW846 8260

Signal : TIC: VY019777.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.622	466	476	484	rBV5	7159	24540	1.49%	0.280%
2	6.890	836	848	863	rBV	38704	128494	7.81%	1.468%
3	7.640	959	971	976	rBV	220387	539202	32.78%	6.160%
4	7.707	976	982	995	rVB	373257	837922	50.94%	9.573%
5	8.061	1027	1040	1052	rBV2	210849	548000	33.31%	6.260%
6	8.616	1121	1131	1142	rBV	615910	1226009	74.53%	14.006%
7	10.109	1367	1376	1386	rBV	936561	1645076	100.00%	18.794%
8	10.505	1433	1441	1449	rBV	82723	155680	9.46%	1.779%
9	10.877	1495	1502	1512	rBV	27938	54521	3.31%	0.623%
10	11.243	1558	1562	1571	rVB2	18291	31794	1.93%	0.363%
11	11.414	1582	1590	1602	rBV	900493	1423111	86.51%	16.258%
12	12.401	1745	1752	1762	rBV2	629124	1046882	63.64%	11.960%
13	13.340	1900	1906	1916	rVB	670030	1050083	63.83%	11.996%
14	13.883	1990	1995	2002	rVB	12944	23563	1.43%	0.269%
15	15.224	2207	2215	2220	rVB3	10854	18508	1.13%	0.211%

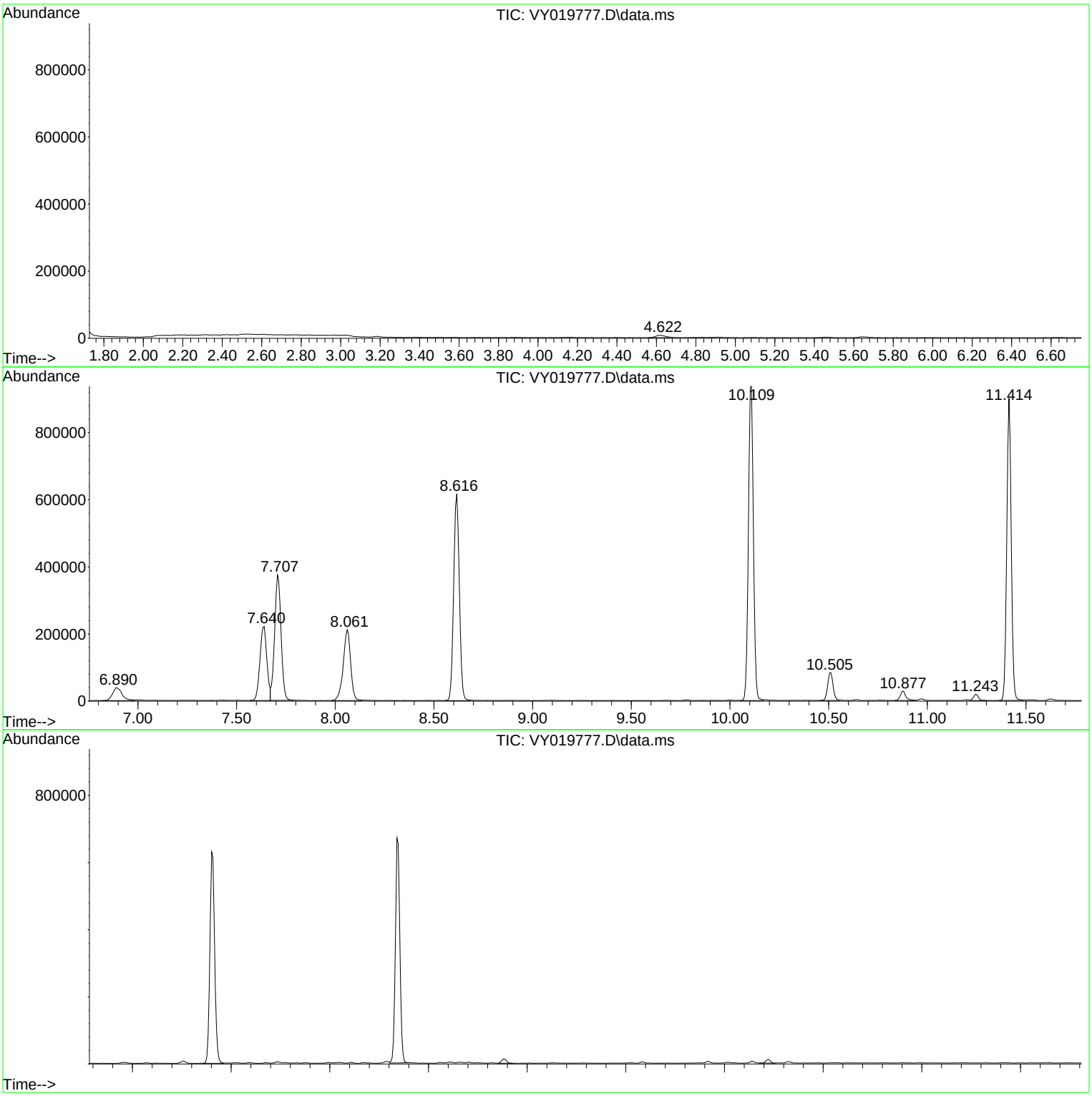
Sum of corrected areas: 8753385

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100324\
Data File : VY019777.D
Acq On : 03 Oct 2024 10:17
Operator : SY/MD
Sample : VY1003SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1003SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100324\
Data File : VY019777.D
Acq On : 03 Oct 2024 10:17
Operator : SY/MD
Sample : VY1003SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1003SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100324\
Data File : VY019777.D
Acq On : 03 Oct 2024 10:17
Operator : SY/MD
Sample : VY1003SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1003SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100224\
Data File : VY019769.D
Acq On : 02 Oct 2024 16:56
Operator : SY/MD
Sample : VY1002SBS02
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 03 02:05:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
Quant Title : SW846 8260
QLast Update : Mon Sep 09 16:00:30 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1002SBS02

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 10/03/2024
Supervised By :Mahesh Dadoda 10/03/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	265847	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	469139	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	394802	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	189008	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	147052	59.736	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 119.480%			
35) Dibromofluoromethane	7.634	113	143687	54.019	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.040%			
50) Toluene-d8	10.103	98	512402	52.081	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 104.160%			
62) 4-Bromofluorobenzene	12.402	95	188139	49.733	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 99.460%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	33161	20.397	ug/l	94
3) Chloromethane	2.068	50	42431	19.291	ug/l	99
4) Vinyl Chloride	2.202	62	48953	20.583	ug/l	98
5) Bromomethane	2.592	94	33687	23.059	ug/l	98
6) Chloroethane	2.733	64	33561	21.585	ug/l	98
7) Trichlorofluoromethane	3.056	101	84979	21.434	ug/l	93
8) Diethyl Ether	3.458	74	28359	21.309	ug/l	86
9) 1,1,2-Trichlorotrifluo...	3.812	101	53520	21.822	ug/l	94
10) Methyl Iodide	4.007	142	48071	15.288	ug/l	93
11) Tert butyl alcohol	4.878	59	33432	168.168	ug/l	99
12) 1,1-Dichloroethene	3.787	96	44653	18.932	ug/l	87
13) Acrolein	3.665	56	9672	92.004	ug/l	96
14) Allyl chloride	4.385	41	82184	19.430	ug/l #	92
15) Acrylonitrile	5.061	53	69116	120.448	ug/l	98
16) Acetone	3.873	43	74387	126.841	ug/l #	84
17) Carbon Disulfide	4.110	76	81719	12.823	ug/l	99
18) Methyl Acetate	4.391	43	35680	22.419	ug/l	92
19) Methyl tert-butyl Ether	5.122	73	154047	23.060	ug/l	96
20) Methylene Chloride	4.622	84	60640	22.673	ug/l #	90
21) trans-1,2-Dichloroethene	5.116	96	48410	18.725	ug/l	92
22) Diisopropyl ether	6.025	45	199133	22.926	ug/l	93
23) Vinyl Acetate	5.964	43	554846	111.835	ug/l #	93
24) 1,1-Dichloroethane	5.921	63	109164	22.397	ug/l	96
25) 2-Butanone	6.903	43	103183	123.707	ug/l #	87
26) 2,2-Dichloropropane	6.890	77	99517	22.635	ug/l	93
27) cis-1,2-Dichloroethene	6.896	96	67872	21.613	ug/l	85
28) Bromochloromethane	7.250	49	44060	21.485	ug/l	81
29) Tetrahydrofuran	7.268	42	57340	113.065	ug/l	86
30) Chloroform	7.421	83	118411	23.798	ug/l	96
31) Cyclohexane	7.701	56	77891	17.680	ug/l	95
32) 1,1,1-Trichloroethane	7.622	97	100220	22.472	ug/l	96
36) 1,1-Dichloropropene	7.835	75	69773	19.277	ug/l	96
37) Ethyl Acetate	6.988	43	42610	22.977	ug/l	98
38) Carbon Tetrachloride	7.817	117	82848	20.298	ug/l	98
39) Methylcyclohexane	9.109	83	84038	17.447	ug/l	91
40) Benzene	8.085	78	226600	20.327	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100224\
Data File : VY019769.D
Acq On : 02 Oct 2024 16:56
Operator : SY/MD
Sample : VY1002SBS02
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 03 02:05:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
Quant Title : SW846 8260
QLast Update : Mon Sep 09 16:00:30 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1002SBS02

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/03/2024
Supervised By :Mahesh Dadoda 10/03/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.226	41	24222	22.407 ug/l #	85
42) 1,2-Dichloroethane	8.158	62	68869	22.958 ug/l	96
43) Isopropyl Acetate	8.201	43	87258	22.396 ug/l #	89
44) Trichloroethene	8.866	130	55940	19.511 ug/l	87
45) 1,2-Dichloropropane	9.140	63	60729	22.283 ug/l	97
46) Dibromomethane	9.231	93	32729	21.960 ug/l	94
47) Bromodichloromethane	9.420	83	90942	22.700 ug/l	97
48) Methyl methacrylate	9.219	41	38102	20.709 ug/l	85
49) 1,4-Dioxane	9.231	88	7836	446.621 ug/l #	89
51) 4-Methyl-2-Pentanone	9.993	43	223605	114.077 ug/l	91
52) Toluene	10.170	92	147219	20.533 ug/l	97
53) t-1,3-Dichloropropene	10.390	75	79233	20.747 ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	91096	20.485 ug/l #	87
55) 1,1,2-Trichloroethane	10.573	97	47304	22.984 ug/l	98
56) Ethyl methacrylate	10.438	69	65261	20.874 ug/l #	78
57) 1,3-Dichloropropane	10.713	76	79814	22.560 ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	155306	107.027 ug/l	96
59) 2-Hexanone	10.756	43	156027	108.576 ug/l	89
60) Dibromochloromethane	10.908	129	59136	21.720 ug/l	99
61) 1,2-Dibromoethane	11.012	107	41347	21.561 ug/l	98
64) Tetrachloroethene	10.646	164	50500	20.656 ug/l	95
65) Chlorobenzene	11.438	112	166719	21.468 ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.511	131	59970	22.303 ug/l	97
67) Ethyl Benzene	11.518	91	291817	21.148 ug/l	98
68) m/p-Xylenes	11.627	106	213225	40.866 ug/l	91
69) o-Xylene	11.950	106	105971	20.767 ug/l	93
70) Styrene	11.963	104	181325	21.047 ug/l	95
71) Bromoform	12.127	173	32274	21.015 ug/l #	95
73) Isopropylbenzene	12.249	105	290217	21.165 ug/l	99
74) N-amyl acetate	12.066	43	78028	20.924 ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.505	83	55925	22.978 ug/l	100
76) 1,2,3-Trichloropropane	12.548	75	35835m	20.228 ug/l	
77) Bromobenzene	12.530	156	63112	20.753 ug/l	88
78) n-propylbenzene	12.591	91	345001	21.228 ug/l	99
79) 2-Chlorotoluene	12.676	91	198636	20.972 ug/l	97
80) 1,3,5-Trimethylbenzene	12.731	105	234253	21.014 ug/l	95
81) trans-1,4-Dichloro-2-b...	12.298	75	17321	18.770 ug/l	89
82) 4-Chlorotoluene	12.773	91	203745	20.924 ug/l	95
83) tert-Butylbenzene	12.993	119	220468	21.847 ug/l	96
84) 1,2,4-Trimethylbenzene	13.036	105	229709	20.818 ug/l	96
85) sec-Butylbenzene	13.170	105	313731	21.400 ug/l	99
86) p-Isopropyltoluene	13.286	119	255890	21.334 ug/l	96
87) 1,3-Dichlorobenzene	13.279	146	126148	21.347 ug/l	97
88) 1,4-Dichlorobenzene	13.365	146	124892	21.296 ug/l	95
89) n-Butylbenzene	13.615	91	246675	21.513 ug/l	99
90) Hexachloroethane	13.877	117	51835	20.770 ug/l	90
91) 1,2-Dichlorobenzene	13.651	146	113462	21.517 ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.267	75	8667	21.367 ug/l	79
93) 1,2,4-Trichlorobenzene	14.913	180	60884	18.984 ug/l	97
94) Hexachlorobutadiene	15.017	225	34131	19.921 ug/l	98
95) Naphthalene	15.139	128	116851	18.193 ug/l	100
96) 1,2,3-Trichlorobenzene	15.322	180	51767	18.870 ug/l	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100224\
Data File : VY019769.D
Acq On : 02 Oct 2024 16:56
Operator : SY/MD
Sample : VY1002SBS02
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 03 02:05:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
Quant Title : SW846 8260
QLast Update : Mon Sep 09 16:00:30 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1002SBS02

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/03/2024
Supervised By :Mahesh Dadoda 10/03/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

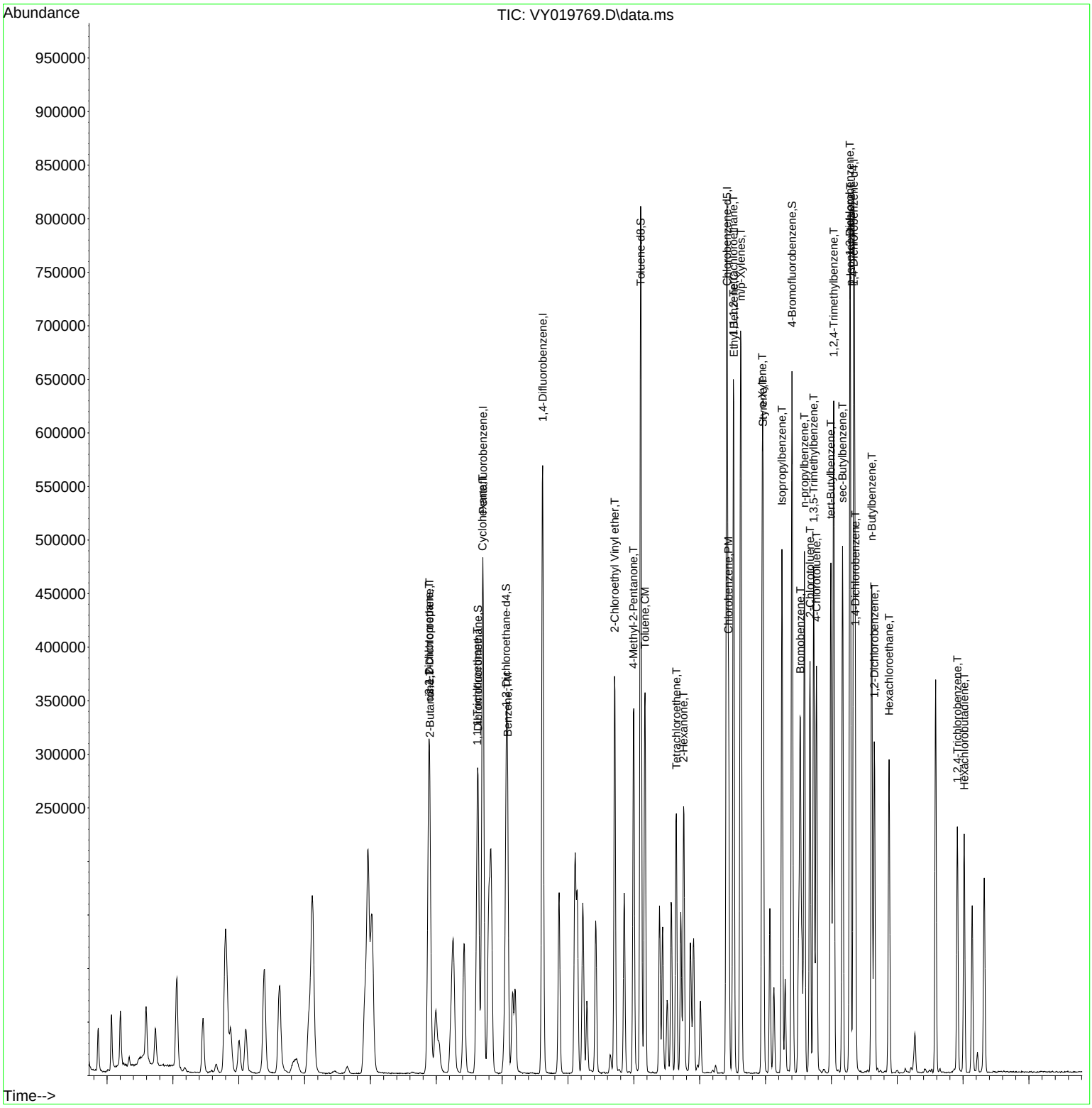
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100224\
Data File : VY019769.D
Acq On : 02 Oct 2024 16:56
Operator : SY/MD
Sample : VY1002SBS02
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 03 02:05:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
Quant Title : SW846 8260
QLast Update : Mon Sep 09 16:00:30 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1002SBS02

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/03/2024
Supervised By :Mahesh Dadoda 10/03/2024



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100324\
Data File : VY019778.D
Acq On : 03 Oct 2024 11:01
Operator : SY/MD
Sample : VY1003SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 04 01:22:49 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
Quant Title : SW846 8260
QLast Update : Mon Sep 09 16:00:30 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1003SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/04/2024
Supervised By :Semsettin Yesilyurt 10/04/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.707	168	265491	50.000	ug/l	#	0.00
34) 1,4-Difluorobenzene	8.615	114	467884	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.414	117	391562	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	181129	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.061	65	148068	60.230	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 120.460%				
35) Dibromofluoromethane	7.634	113	151062	56.944	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 113.880%				
50) Toluene-d8	10.103	98	545411	55.585	ug/l		0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 111.180%				
62) 4-Bromofluorobenzene	12.401	95	198123	52.513	ug/l		0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 105.020%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.867	85	32963	20.282	ug/l		96
3) Chloromethane	2.074	50	37698	17.162	ug/l		100
4) Vinyl Chloride	2.208	62	44743	18.838	ug/l		99
5) Bromomethane	2.598	94	31592	21.654	ug/l		99
6) Chloroethane	2.738	64	32637	21.019	ug/l		96
7) Trichlorofluoromethane	3.062	101	81559	20.599	ug/l		98
8) Diethyl Ether	3.464	74	26101	19.639	ug/l		83
9) 1,1,2-Trichlorotrifluo...	3.818	101	52406	21.396	ug/l		94
10) Methyl Iodide	4.007	142	46109	14.683	ug/l		91
11) Tert butyl alcohol	4.872	59	24640	124.109	ug/l	#	84
12) 1,1-Dichloroethene	3.793	96	43623	18.520	ug/l		86
13) Acrolein	3.665	56	8446	78.541	ug/l		95
14) Allyl chloride	4.391	41	80441	19.043	ug/l	#	92
15) Acrylonitrile	5.067	53	59212	103.327	ug/l		98
16) Acetone	3.872	43	74433	127.089	ug/l	#	81
17) Carbon Disulfide	4.110	76	75134	11.806	ug/l		97
18) Methyl Acetate	4.391	43	28668	18.037	ug/l		90
19) Methyl tert-butyl Ether	5.122	73	140929	21.125	ug/l		99
20) Methylene Chloride	4.622	84	53273	19.945	ug/l		90
21) trans-1,2-Dichloroethene	5.122	96	47588	18.432	ug/l		93
22) Diisopropyl ether	6.018	45	193614	22.321	ug/l		89
23) Vinyl Acetate	5.964	43	505388	102.003	ug/l		93
24) 1,1-Dichloroethane	5.915	63	106291	21.837	ug/l		95
25) 2-Butanone	6.890	43	93526	112.279	ug/l	#	82
26) 2,2-Dichloropropane	6.884	77	98832	22.510	ug/l		94
27) cis-1,2-Dichloroethene	6.890	96	65631	20.927	ug/l		86
28) Bromochloromethane	7.244	49	43248	21.117	ug/l	#	81
29) Tetrahydrofuran	7.262	42	48967	96.684	ug/l	#	85
30) Chloroform	7.421	83	113342	22.810	ug/l		97
31) Cyclohexane	7.701	56	76341	17.351	ug/l		95
32) 1,1,1-Trichloroethane	7.616	97	97967	21.996	ug/l		96
36) 1,1-Dichloropropene	7.841	75	68482	18.972	ug/l		94
37) Ethyl Acetate	6.988	43	36337	19.647	ug/l		97
38) Carbon Tetrachloride	7.817	117	80948	19.886	ug/l		96
39) Methylcyclohexane	9.109	83	81244	16.913	ug/l		90
40) Benzene	8.085	78	223076	20.064	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100324\
Data File : VY019778.D
Acq On : 03 Oct 2024 11:01
Operator : SY/MD
Sample : VY1003SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 04 01:22:49 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
Quant Title : SW846 8260
QLast Update : Mon Sep 09 16:00:30 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1003SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/04/2024
Supervised By :Semsettin Yesilyurt 10/04/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.225	41	23957	22.221 ug/l #	80
42) 1,2-Dichloroethane	8.158	62	64404	21.527 ug/l	94
43) Isopropyl Acetate	8.195	43	73733	18.975 ug/l #	91
44) Trichloroethene	8.865	130	55251	19.323 ug/l	95
45) 1,2-Dichloropropane	9.140	63	57553	21.174 ug/l	96
46) Dibromomethane	9.225	93	30205	20.321 ug/l	93
47) Bromodichloromethane	9.426	83	87237	21.834 ug/l	99
48) Methyl methacrylate	9.219	41	33155	18.069 ug/l	83
49) 1,4-Dioxane	9.231	88	6951	397.242 ug/l #	94
51) 4-Methyl-2-Pentanone	9.999	43	189493	96.934 ug/l	90
52) Toluene	10.170	92	140908	19.706 ug/l	100
53) t-1,3-Dichloropropene	10.396	75	75078	19.712 ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	86327	19.465 ug/l #	86
55) 1,1,2-Trichloroethane	10.572	97	43850	21.363 ug/l	96
56) Ethyl methacrylate	10.438	69	57132	18.323 ug/l #	79
57) 1,3-Dichloropropane	10.713	76	73186	20.742 ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	140033	96.761 ug/l	98
59) 2-Hexanone	10.761	43	140882	98.300 ug/l	87
60) Dibromochloromethane	10.908	129	55979	20.616 ug/l	100
61) 1,2-Dibromoethane	11.011	107	36748	19.214 ug/l	99
64) Tetrachloroethene	10.646	164	45528	18.776 ug/l	90
65) Chlorobenzene	11.438	112	162168	21.055 ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.517	131	56357	21.133 ug/l	99
67) Ethyl Benzene	11.517	91	283781	20.736 ug/l	99
68) m/p-Xylenes	11.627	106	208804	40.350 ug/l	92
69) o-Xylene	11.950	106	104267	20.603 ug/l	94
70) Styrene	11.969	104	174601	20.434 ug/l	96
71) Bromoform	12.133	173	29045	19.069 ug/l #	97
73) Isopropylbenzene	12.249	105	289986	22.068 ug/l	98
74) N-amyl acetate	12.066	43	66740	18.675 ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.505	83	50094	21.478 ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	33844m	19.935 ug/l	
77) Bromobenzene	12.529	156	59812	20.523 ug/l	88
78) n-propylbenzene	12.590	91	340804	21.882 ug/l	98
79) 2-Chlorotoluene	12.676	91	201005	22.145 ug/l	93
80) 1,3,5-Trimethylbenzene	12.737	105	229954	21.526 ug/l	97
81) trans-1,4-Dichloro-2-b...	12.304	75	15208	17.197 ug/l #	85
82) 4-Chlorotoluene	12.773	91	197223	21.135 ug/l	96
83) tert-Butylbenzene	12.993	119	211207	21.840 ug/l	93
84) 1,2,4-Trimethylbenzene	13.042	105	230554	21.803 ug/l	97
85) sec-Butylbenzene	13.176	105	317013	22.565 ug/l	99
86) p-Isopropyltoluene	13.285	119	255470	22.226 ug/l	96
87) 1,3-Dichlorobenzene	13.285	146	122999	21.720 ug/l	97
88) 1,4-Dichlorobenzene	13.365	146	121895	21.689 ug/l	97
89) n-Butylbenzene	13.615	91	242336	22.053 ug/l	99
90) Hexachloroethane	13.877	117	50076	20.938 ug/l	92
91) 1,2-Dichlorobenzene	13.657	146	109156	21.600 ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.267	75	7679	19.755 ug/l	74
93) 1,2,4-Trichlorobenzene	14.919	180	59215	19.266 ug/l	98
94) Hexachlorobutadiene	15.017	225	33649	20.494 ug/l	98
95) Naphthalene	15.139	128	105678	17.170 ug/l	99
96) 1,2,3-Trichlorobenzene	15.322	180	49449	18.809 ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100324\
Data File : VY019778.D
Acq On : 03 Oct 2024 11:01
Operator : SY/MD
Sample : VY1003SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 04 01:22:49 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
Quant Title : SW846 8260
QLast Update : Mon Sep 09 16:00:30 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1003SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/04/2024
Supervised By :Semsettin Yesilyurt 10/04/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

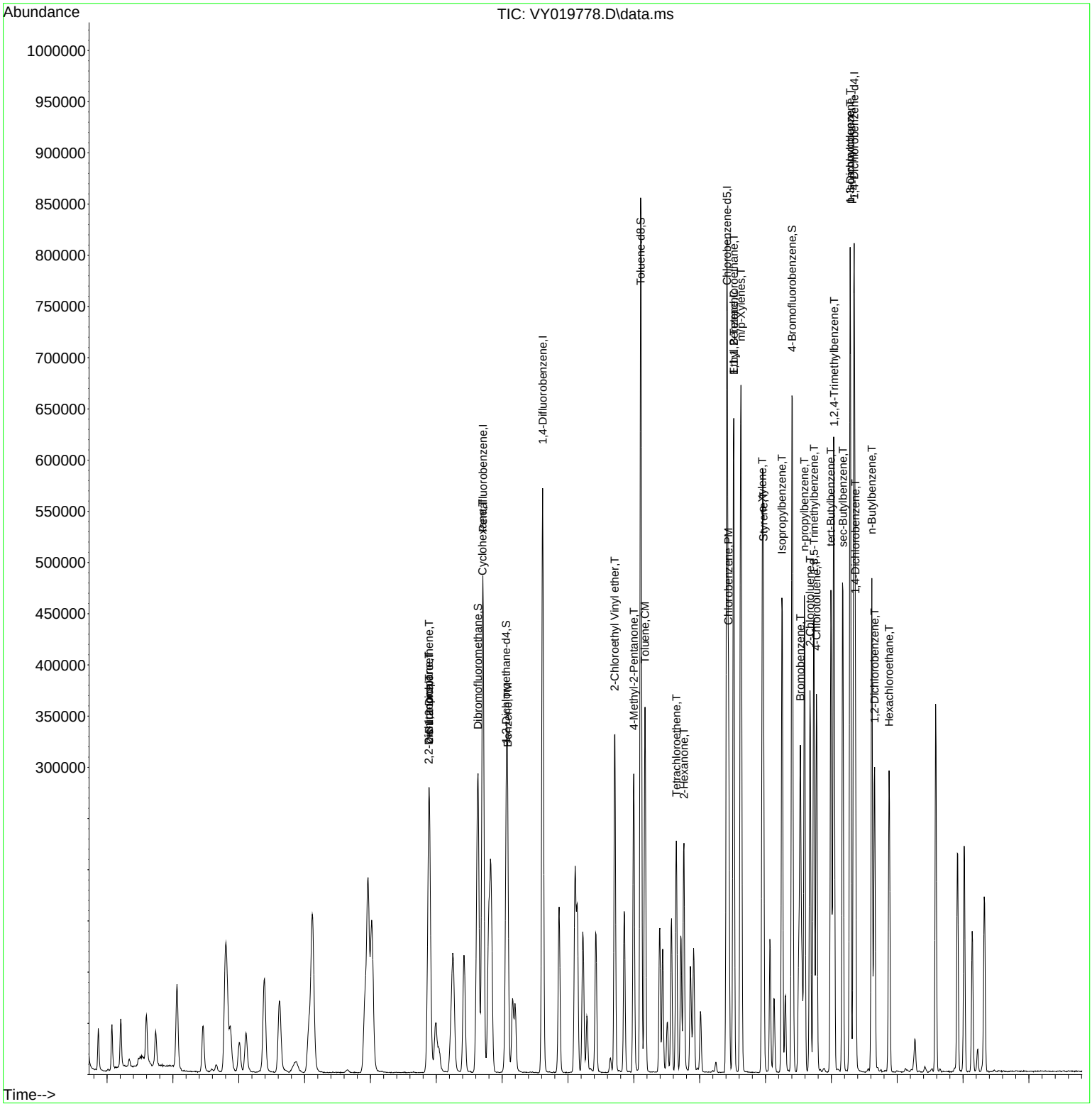
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100324\
Data File : VY019778.D
Acq On : 03 Oct 2024 11:01
Operator : SY/MD
Sample : VY1003SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 04 01:22:49 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
Quant Title : SW846 8260
QLast Update : Mon Sep 09 16:00:30 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1003SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/04/2024
Supervised By :Semsettin Yesilyurt 10/04/2024



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100224\
Data File : VY019770.D
Acq On : 02 Oct 2024 17:19
Operator : SY/MD
Sample : VY1002SBSD02
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 03 02:06:16 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
Quant Title : SW846 8260
QLast Update : Mon Sep 09 16:00:30 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1002SBSD02

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 10/03/2024
Supervised By :Mahesh Dadoda 10/03/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.707	168	278113	50.000	ug/l	#	0.00
34) 1,4-Difluorobenzene	8.616	114	490887	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.414	117	408200	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	189650	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.061	65	141910	55.105	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.220%				
35) Dibromofluoromethane	7.634	113	140579	50.509	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.020%				
50) Toluene-d8	10.103	98	505421	49.096	ug/l		0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.200%				
62) 4-Bromofluorobenzene	12.402	95	182595	46.129	ug/l		0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 92.260%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.867	85	35521	20.992	ug/l		100
3) Chloromethane	2.068	50	42846	18.621	ug/l		100
4) Vinyl Chloride	2.208	62	50565	20.323	ug/l		97
5) Bromomethane	2.592	94	34920	22.849	ug/l		95
6) Chloroethane	2.739	64	37897	23.299	ug/l		98
7) Trichlorofluoromethane	3.062	101	89647	21.614	ug/l		97
8) Diethyl Ether	3.458	74	30009	21.555	ug/l		89
9) 1,1,2-Trichlorotrifluo...	3.818	101	55997	21.825	ug/l		96
10) Methyl Iodide	4.007	142	53938	16.397	ug/l		92
11) Tert butyl alcohol	4.860	59	33072	159.021	ug/l		99
12) 1,1-Dichloroethene	3.787	96	47017	19.055	ug/l		85
13) Acrolein	3.659	56	7377	62.960	ug/l		95
14) Allyl chloride	4.385	41	86685	19.590	ug/l	#	91
15) Acrylonitrile	5.061	53	71696	119.433	ug/l		99
16) Acetone	3.873	43	75764	123.491	ug/l	#	87
17) Carbon Disulfide	4.110	76	85541	12.831	ug/l		100
18) Methyl Acetate	4.391	43	36692	22.038	ug/l		89
19) Methyl tert-butyl Ether	5.116	73	159783	22.864	ug/l		99
20) Methylene Chloride	4.622	84	68049	24.321	ug/l		92
21) trans-1,2-Dichloroethene	5.116	96	51790	19.149	ug/l		89
22) Diisopropyl ether	6.025	45	210653	23.183	ug/l		93
23) Vinyl Acetate	5.964	43	580462	111.838	ug/l	#	92
24) 1,1-Dichloroethane	5.915	63	116487	22.845	ug/l		98
25) 2-Butanone	6.896	43	108656	124.523	ug/l	#	85
26) 2,2-Dichloropropane	6.890	77	105111	22.853	ug/l		94
27) cis-1,2-Dichloroethene	6.890	96	72054	21.932	ug/l		86
28) Bromochloromethane	7.244	49	49615	23.127	ug/l		81
29) Tetrahydrofuran	7.262	42	60253	113.569	ug/l	#	86
30) Chloroform	7.421	83	125678	24.145	ug/l		100
31) Cyclohexane	7.701	56	83418	18.099	ug/l		91
32) 1,1,1-Trichloroethane	7.616	97	104982	22.502	ug/l		94
36) 1,1-Dichloropropene	7.835	75	75355	19.897	ug/l		96
37) Ethyl Acetate	6.988	43	42390	21.845	ug/l		99
38) Carbon Tetrachloride	7.817	117	87220	20.423	ug/l		99
39) Methylcyclohexane	9.109	83	88914	17.642	ug/l	#	88
40) Benzene	8.079	78	240503	20.618	ug/l		97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100224\
Data File : VY019770.D
Acq On : 02 Oct 2024 17:19
Operator : SY/MD
Sample : VY1002SBSD02
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 03 02:06:16 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
Quant Title : SW846 8260
QLast Update : Mon Sep 09 16:00:30 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1002SBSD02

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/03/2024
Supervised By :Mahesh Dadoda 10/03/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.220	41	26089	23.064 ug/l #	85
42) 1,2-Dichloroethane	8.158	62	70954	22.605 ug/l	95
43) Isopropyl Acetate	8.195	43	90907	22.299 ug/l #	89
44) Trichloroethene	8.866	130	59848	19.950 ug/l	89
45) 1,2-Dichloropropane	9.140	63	63445	22.248 ug/l	98
46) Dibromomethane	9.231	93	33860	21.712 ug/l	95
47) Bromodichloromethane	9.420	83	96065	22.916 ug/l	99
48) Methyl methacrylate	9.219	41	40104	20.831 ug/l	84
49) 1,4-Dioxane	9.231	88	8073	439.743 ug/l #	90
51) 4-Methyl-2-Pentanone	9.993	43	228449	111.385 ug/l	92
52) Toluene	10.170	92	156814	20.903 ug/l	97
53) t-1,3-Dichloropropene	10.390	75	82071	20.538 ug/l	95
54) cis-1,3-Dichloropropene	9.853	75	95473	20.518 ug/l #	87
55) 1,1,2-Trichloroethane	10.573	97	49259	22.873 ug/l	96
56) Ethyl methacrylate	10.438	69	67736	20.705 ug/l #	77
57) 1,3-Dichloropropane	10.713	76	82959	22.410 ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	146627	96.569 ug/l	98
59) 2-Hexanone	10.756	43	160940	107.033 ug/l	89
60) Dibromochloromethane	10.908	129	62961	22.101 ug/l	98
61) 1,2-Dibromoethane	11.012	107	42380	21.121 ug/l	100
64) Tetrachloroethene	10.646	164	52162	20.635 ug/l	96
65) Chlorobenzene	11.438	112	177491	22.105 ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.511	131	62996	22.660 ug/l	98
67) Ethyl Benzene	11.518	91	312438	21.899 ug/l	100
68) m/p-Xylenes	11.627	106	228512	42.358 ug/l	91
69) o-Xylene	11.950	106	112805	21.381 ug/l	92
70) Styrene	11.963	104	192323	21.591 ug/l	95
71) Bromoform	12.127	173	33443	21.061 ug/l #	98
73) Isopropylbenzene	12.249	105	311789	22.662 ug/l	99
74) N-amyl acetate	12.066	43	80192	21.431 ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.505	83	58451	23.935 ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	36756m	20.678 ug/l	
77) Bromobenzene	12.530	156	65368	21.422 ug/l	86
78) n-propylbenzene	12.591	91	368488	22.596 ug/l	98
79) 2-Chlorotoluene	12.676	91	213563	22.472 ug/l	96
80) 1,3,5-Trimethylbenzene	12.731	105	253254	22.642 ug/l	96
81) trans-1,4-Dichloro-2-b...	12.298	75	17543	18.946 ug/l	87
82) 4-Chlorotoluene	12.773	91	223467	22.872 ug/l	94
83) tert-Butylbenzene	12.993	119	231747	22.887 ug/l	95
84) 1,2,4-Trimethylbenzene	13.036	105	247303	22.336 ug/l	97
85) sec-Butylbenzene	13.170	105	338615	23.019 ug/l	99
86) p-Isopropyltoluene	13.286	119	272700	22.659 ug/l	96
87) 1,3-Dichlorobenzene	13.279	146	135841	22.910 ug/l	97
88) 1,4-Dichlorobenzene	13.365	146	134550	22.865 ug/l	96
89) n-Butylbenzene	13.615	91	263068	22.864 ug/l	99
90) Hexachloroethane	13.877	117	56524	22.572 ug/l	88
91) 1,2-Dichlorobenzene	13.651	146	120895	22.849 ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.267	75	9200	22.604 ug/l	78
93) 1,2,4-Trichlorobenzene	14.913	180	64597	20.073 ug/l	98
94) Hexachlorobutadiene	15.017	225	36834	21.425 ug/l	98
95) Naphthalene	15.139	128	125872	19.532 ug/l	99
96) 1,2,3-Trichlorobenzene	15.322	180	54325	19.735 ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100224\
Data File : VY019770.D
Acq On : 02 Oct 2024 17:19
Operator : SY/MD
Sample : VY1002SBSD02
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 03 02:06:16 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
Quant Title : SW846 8260
QLast Update : Mon Sep 09 16:00:30 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1002SBSD02

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/03/2024
Supervised By :Mahesh Dadoda 10/03/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

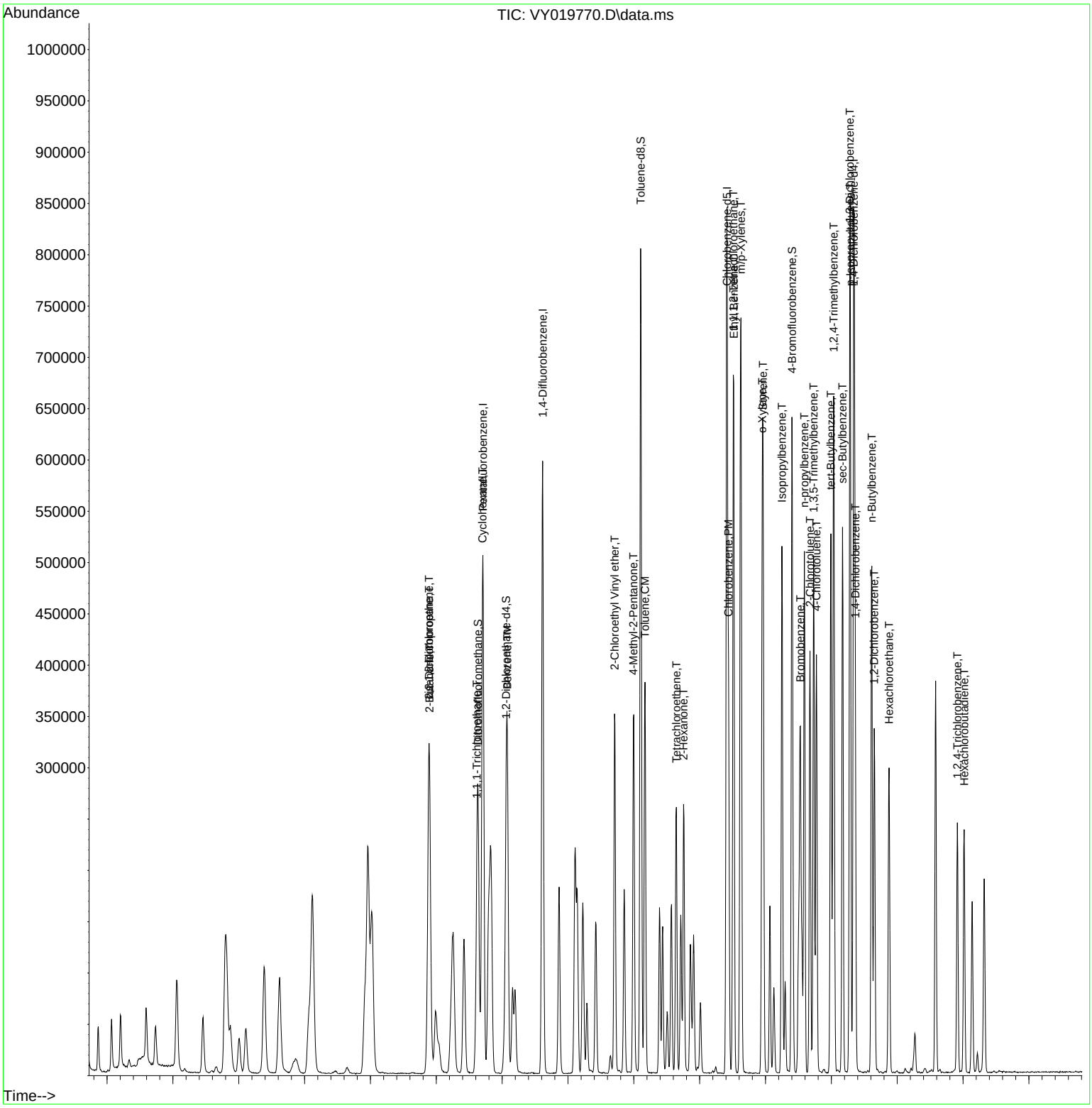
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100224\
Data File : VY019770.D
Acq On : 02 Oct 2024 17:19
Operator : SY/MD
Sample : VY1002SBSD02
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 03 02:06:16 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
Quant Title : SW846 8260
QLast Update : Mon Sep 09 16:00:30 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1002SBSD02

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/03/2024
Supervised By :Mahesh Dadoda 10/03/2024



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

Manual Integration Report

Sequence:	VY090924	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VY019454.D	1,2,3-Trichloropropane	MMDadoda	9/10/2024 10:24:56 AM	SAM	9/10/2024 10:27:27 AM	Peak Integrated by Software
VSTDICC005	VY019454.D	Acrolein	MMDadoda	9/10/2024 10:24:56 AM	SAM	9/10/2024 10:27:27 AM	Peak Integrated by Software
VSTDICC010	VY019455.D	1,2,3-Trichloropropane	MMDadoda	9/10/2024 10:24:57 AM	SAM	9/10/2024 10:27:28 AM	Peak Integrated by Software
VSTDICC020	VY019456.D	1,2,3-Trichloropropane	MMDadoda	9/10/2024 10:24:58 AM	SAM	9/10/2024 10:27:29 AM	Peak Integrated by Software
VSTDICCC050	VY019457.D	1,2,3-Trichloropropane	MMDadoda	9/10/2024 10:25:00 AM	SAM	9/10/2024 10:27:30 AM	Peak Integrated by Software
VSTDICC100	VY019458.D	1,2,3-Trichloropropane	MMDadoda	9/10/2024 10:25:01 AM	SAM	9/10/2024 10:27:32 AM	Peak Integrated by Software
VSTDICC150	VY019459.D	1,2,3-Trichloropropane	MMDadoda	9/10/2024 10:25:04 AM	SAM	9/10/2024 10:27:33 AM	Peak Integrated by Software
VSTDICV050	VY019461.D	1,2,3-Trichloropropane	MMDadoda	9/10/2024 10:25:05 AM	SAM	9/10/2024 10:27:34 AM	Peak Integrated by Software
VSTDCCC050	VY019474.D	1,2,3-Trichloropropane	MMDadoda	9/10/2024 10:25:10 AM	SAM	9/10/2024 10:27:39 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VY100224	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY019756.D	1,2,3-Trichloropropane	SAM	10/3/2024 4:56:03 PM	MMDadoda	10/3/2024 4:58:18 PM	Peak Integrated by Software
VY1002SBS02	VY019769.D	1,2,3-Trichloropropane	SAM	10/3/2024 4:56:06 PM	MMDadoda	10/3/2024 4:58:23 PM	Peak Integrated by Software
VY1002SBSD02	VY019770.D	1,2,3-Trichloropropane	SAM	10/3/2024 4:56:07 PM	MMDadoda	10/3/2024 4:58:25 PM	Peak Integrated by Software
VSTDCCC050	VY019774.D	1,2,3-Trichloropropane	SAM	10/3/2024 4:56:09 PM	MMDadoda	10/3/2024 4:58:26 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	vy100324	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY019776.D	1,2,3-Trichloropropane	MMDadoda	10/4/2024 10:17:13 AM	SAM	10/4/2024 10:17:43 AM	Peak Integrated by Software
VY1003SBS01	VY019778.D	1,2,3-Trichloropropane	MMDadoda	10/4/2024 10:16:47 AM	SAM	10/4/2024 10:17:43 AM	Peak Integrated by Software
VSTDCCC050	VY019790.D	1,2,3-Trichloropropane	MMDadoda	10/4/2024 10:16:51 AM	SAM	10/4/2024 10:17:46 AM	Peak Integrated by Software

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY090924

Review By	Mahesh Dadoda	Review On	9/10/2024 10:25:17 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	9/10/2024 10:27:41 AM		
SubDirectory	VY090924	HP Acquire Method	MSVOA_Y	HP Processing Method	82y090924s.m

STD. NAME	STD REF.#
Tune/Reschk	VP130172
Initial Calibration Stds	VP130173,VP130174,VP130175,VP130176,VP130177,VP130178
CCC	VP130180,VP130181
Internal Standard/PEM	VP128297
ICV/I.BLK	VP130179
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY019453.D	09 Sep 2024 09:20	SY/MD	Ok
2	VSTDICC005	VY019454.D	09 Sep 2024 09:52	SY/MD	Ok,M
3	VSTDICC010	VY019455.D	09 Sep 2024 10:15	SY/MD	Ok,M
4	VSTDICC020	VY019456.D	09 Sep 2024 10:44	SY/MD	Ok,M
5	VSTDICCC050	VY019457.D	09 Sep 2024 11:07	SY/MD	Ok,M
6	VSTDICC100	VY019458.D	09 Sep 2024 11:29	SY/MD	Ok,M
7	VSTDICC150	VY019459.D	09 Sep 2024 11:53	SY/MD	Ok,M
8	VIBLK	VY019460.D	09 Sep 2024 12:16	SY/MD	Ok
9	VSTDICV050	VY019461.D	09 Sep 2024 13:05	SY/MD	Ok,M
10	VY0909SBL01	VY019462.D	09 Sep 2024 13:34	SY/MD	Ok
11	VY0909SBS01	VY019463.D	09 Sep 2024 13:57	SY/MD	Ok,M
12	VY0909SBSD01	VY019464.D	09 Sep 2024 14:26	SY/MD	Ok,M
13	P3891-01	VY019465.D	09 Sep 2024 15:10	SY/MD	Ok
14	P3852-02	VY019466.D	09 Sep 2024 15:33	SY/MD	Ok
15	P3852-04	VY019467.D	09 Sep 2024 15:57	SY/MD	ReRun
16	P3857-03RE	VY019468.D	09 Sep 2024 16:20	SY/MD	Confirms
17	P3892-01	VY019469.D	09 Sep 2024 16:43	SY/MD	ReRun
18	P3905-05	VY019470.D	09 Sep 2024 17:07	SY/MD	Ok
19	P3905-03	VY019471.D	09 Sep 2024 17:30	SY/MD	Ok
20	P3905-01	VY019472.D	09 Sep 2024 17:54	SY/MD	Ok
21	P3906-15	VY019473.D	09 Sep 2024 18:17	SY/MD	ReRun

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY090924

Review By	Mahesh Dadoda	Review On	9/10/2024 10:25:17 AM				
Supervise By	Semsettin Yesilyurt	Supervise On	9/10/2024 10:27:41 AM				
SubDirectory	VY090924	HP Acquire Method	MSVOA_Y	HP Processing Method	82y090924s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP130172
Initial Calibration Stds	VP130173,VP130174,VP130175,VP130176,VP130177,VP130178
CCC	VP130180,VP130181
Internal Standard/PEM	VP128297
ICV/I.BLK	VP130179
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	VSTDCCC050	VY019474.D	09 Sep 2024 18:40	SY/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY100224

Review By	Semsettin Yesilyurt	Review On	10/3/2024 4:56:16 PM				
Supervise By	Mahesh Dadoda	Supervise On	10/3/2024 4:58:28 PM				
SubDirectory	VY100224	HP Acquire Method	MSVOA_Y	HP Processing Method	82y090924s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP130628
Initial Calibration Stds	
CCC	VP130629,VP130630
Internal Standard/PEM	VP128297
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY019755.D	02 Oct 2024 08:37	SY/MD	Ok
2	VSTDCCC050	VY019756.D	02 Oct 2024 09:39	SY/MD	Ok,M
3	VY1002SBL01	VY019757.D	02 Oct 2024 10:13	SY/MD	Ok
4	VY1002SBS01	VY019758.D	02 Oct 2024 12:36	SY/MD	Not Ok
5	P4225-01	VY019759.D	02 Oct 2024 13:03	SY/MD	Not Ok
6	P4236-06RE	VY019760.D	02 Oct 2024 13:26	SY/MD	Confirms
7	P4236-10	VY019761.D	02 Oct 2024 13:49	SY/MD	Not Ok
8	P4236-14RE	VY019762.D	02 Oct 2024 14:13	SY/MD	Confirms
9	P4236-02	VY019763.D	02 Oct 2024 14:36	SY/MD	Not Ok
10	P4232-03	VY019764.D	02 Oct 2024 15:00	SY/MD	Ok
11	P4258-03	VY019765.D	02 Oct 2024 15:23	SY/MD	ReRun
12	P4242-03	VY019766.D	02 Oct 2024 15:47	SY/MD	ReRun
13	P4257-02	VY019767.D	02 Oct 2024 16:10	SY/MD	Ok
14	P4255-01	VY019768.D	02 Oct 2024 16:33	SY/MD	Ok
15	VY1002SBS02	VY019769.D	02 Oct 2024 16:56	SY/MD	Ok,M
16	VY1002SBSD02	VY019770.D	02 Oct 2024 17:19	SY/MD	Ok,M
17	P4254-02	VY019771.D	02 Oct 2024 17:42	SY/MD	Ok
18	P4254-01	VY019772.D	02 Oct 2024 18:06	SY/MD	Not Ok
19	VIBLK	VY019773.D	02 Oct 2024 18:29	SY/MD	Ok
20	VSTDCCC050	VY019774.D	02 Oct 2024 18:52	SY/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY100324

Review By	Semsettin Yesilyurt	Review On	10/4/2024 10:17:50 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/4/2024 10:18:45 AM		
SubDirectory	VY100324	HP Acquire Method		HP Processing Method	82y090924s.m

STD. NAME	STD REF.#
Tune/Reschk	VP130673
Initial Calibration Stds	
CCC	VP130675,VP130676
Internal Standard/PEM	VP130432
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY019775.D	03 Oct 2024 08:34	SY/MD	Ok
2	VSTDCCC050	VY019776.D	03 Oct 2024 09:44	SY/MD	Ok,M
3	VY1003SBL01	VY019777.D	03 Oct 2024 10:17	SY/MD	Ok
4	VY1003SBS01	VY019778.D	03 Oct 2024 11:01	SY/MD	Ok,M
5	VY1003SBSD01	VY019779.D	03 Oct 2024 11:29	SY/MD	Not Ok
6	P4258-03RE	VY019780.D	03 Oct 2024 12:10	SY/MD	Confirms
7	P4242-03	VY019781.D	03 Oct 2024 12:34	SY/MD	Ok
8	P4277-01	VY019782.D	03 Oct 2024 12:57	SY/MD	Not Ok
9	P4277-02	VY019783.D	03 Oct 2024 13:21	SY/MD	Not Ok
10	P4276-01	VY019784.D	03 Oct 2024 13:44	SY/MD	Ok
11	P4273-02	VY019785.D	03 Oct 2024 14:07	SY/MD	ReRun
12	P4275-01	VY019786.D	03 Oct 2024 14:31	SY/MD	Dilution
13	P4254-01	VY019787.D	03 Oct 2024 14:54	SY/MD	Ok
14	P4254-02RE	VY019788.D	03 Oct 2024 15:18	SY/MD	Not Ok
15	P4270-03	VY019789.D	03 Oct 2024 15:41	SY/MD	Not Ok
16	VSTDCCC050	VY019790.D	03 Oct 2024 16:41	SY/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY090924

Review By	Mahesh Dadoda	Review On	9/10/2024 10:25:17 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	9/10/2024 10:27:41 AM		
SubDirectory	VY090924	HP Acquire Method	MSVOA_Y	HP Processing Method	82y090924s.m

STD. NAME	STD REF.#
Tune/Reschk	VP130172
Initial Calibration Stds	VP130173,VP130174,VP130175,VP130176,VP130177,VP130178
CCC	VP130180,VP130181
Internal Standard/PEM	VP128297
ICV/I.BLK	VP130179
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY019453.D	09 Sep 2024 09:20		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VY019454.D	09 Sep 2024 09:52	Good for DOD	SY/MD	Ok,M
3	VSTDICC010	VSTDICC010	VY019455.D	09 Sep 2024 10:15	LR-02,13	SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VY019456.D	09 Sep 2024 10:44	%D failed for Comp. #13 in 20 PPB	SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VY019457.D	09 Sep 2024 11:07		SY/MD	Ok,M
6	VSTDICC100	VSTDICC100	VY019458.D	09 Sep 2024 11:29		SY/MD	Ok,M
7	VSTDICC150	VSTDICC150	VY019459.D	09 Sep 2024 11:53		SY/MD	Ok,M
8	VIBLK	VIBLK	VY019460.D	09 Sep 2024 12:16		SY/MD	Ok
9	VSTDICV050	ICVVY090924	VY019461.D	09 Sep 2024 13:05		SY/MD	Ok,M
10	VY0909SBL01	VY0909SBL01	VY019462.D	09 Sep 2024 13:34		SY/MD	Ok
11	VY0909SBS01	VY0909SBS01	VY019463.D	09 Sep 2024 13:57		SY/MD	Ok,M
12	VY0909SBSD01	VY0909SBSD01	VY019464.D	09 Sep 2024 14:26		SY/MD	Ok,M
13	P3891-01	AUD-SBG	VY019465.D	09 Sep 2024 15:10	Vial A	SY/MD	Ok
14	P3852-02	VNJ223	VY019466.D	09 Sep 2024 15:33	Vial A	SY/MD	Ok
15	P3852-04	ETGI356	VY019467.D	09 Sep 2024 15:57	Vial A Internal Standard Fail	SY/MD	ReRun
16	P3857-03RE	WC-C1-GRABRE	VY019468.D	09 Sep 2024 16:20	Internal Standard Fail Vial B	SY/MD	Confirms
17	P3892-01	ARS20-005	VY019469.D	09 Sep 2024 16:43	Internal Standard Fail Vial A	SY/MD	ReRun

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY090924

Review By	Mahesh Dadoda	Review On	9/10/2024 10:25:17 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	9/10/2024 10:27:41 AM		
SubDirectory	VY090924	HP Acquire Method	MSVOA_Y	HP Processing Method	82y090924s.m

STD. NAME	STD REF.#
Tune/Reschk	VP130172
Initial Calibration Stds	VP130173,VP130174,VP130175,VP130176,VP130177,VP130178
CCC	VP130180,VP130181
Internal Standard/PEM	VP128297
ICV/I.BLK	VP130179
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	P3905-05	COMP-1	VY019470.D	09 Sep 2024 17:07	Vial A	SY/MD	Ok
19	P3905-03	TP-3B	VY019471.D	09 Sep 2024 17:30	Vial A	SY/MD	Ok
20	P3905-01	TP-3A	VY019472.D	09 Sep 2024 17:54	Vial A	SY/MD	Ok
21	P3906-15	SU-701-VOC-03	VY019473.D	09 Sep 2024 18:17	Internal Standard Fail Vial A	SY/MD	ReRun
22	VSTDCCC050	VSTDCCC050EC	VY019474.D	09 Sep 2024 18:40		SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY100224

Review By	Semsettin Yesilyurt	Review On	10/3/2024 4:56:16 PM		
Supervise By	Mahesh Dadoda	Supervise On	10/3/2024 4:58:28 PM		
SubDirectory	VY100224	HP Acquire Method	MSVOA_Y	HP Processing Method	82y090924s.m

STD. NAME	STD REF.#
Tune/Reschk	VP130628
Initial Calibration Stds	
CCC	VP130629,VP130630
Internal Standard/PEM	VP128297
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY019755.D	02 Oct 2024 08:37		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY019756.D	02 Oct 2024 09:39		SY/MD	Ok,M
3	VY1002SBL01	VY1002SBL01	VY019757.D	02 Oct 2024 10:13		SY/MD	Ok
4	VY1002SBS01	VY1002SBS01	VY019758.D	02 Oct 2024 12:36		SY/MD	Not Ok
5	P4225-01	TR-04-092724	VY019759.D	02 Oct 2024 13:03	NOT PURGE vial-B	SY/MD	Not Ok
6	P4236-06RE	TP3-VOCRE	VY019760.D	02 Oct 2024 13:26	Internal Standard Fail vial-B	SY/MD	Confirms
7	P4236-10	TP1-VOC	VY019761.D	02 Oct 2024 13:49	NOT PURGE vial-B	SY/MD	Not Ok
8	P4236-14RE	TP2-VOCRE	VY019762.D	02 Oct 2024 14:13	Internal Standard Fail vial-B	SY/MD	Confirms
9	P4236-02	TP4-VOC	VY019763.D	02 Oct 2024 14:36	NOT PURGE vial-B	SY/MD	Not Ok
10	P4232-03	TP-R-VOC	VY019764.D	02 Oct 2024 15:00	vial-A	SY/MD	Ok
11	P4258-03	Chamberlain Ave	VY019765.D	02 Oct 2024 15:23	Internal Standard Fail vial-A	SY/MD	ReRun
12	P4242-03	TP-Q-VOC	VY019766.D	02 Oct 2024 15:47	Internal Standard Fail vial-A	SY/MD	ReRun
13	P4257-02	VNJ-240	VY019767.D	02 Oct 2024 16:10	vial-A	SY/MD	Ok
14	P4255-01	OR-03-100124	VY019768.D	02 Oct 2024 16:33	vial-A	SY/MD	Ok
15	VY1002SBS02	VY1002SBS02	VY019769.D	02 Oct 2024 16:56		SY/MD	Ok,M
16	VY1002SBSD02	VY1002SBSD02	VY019770.D	02 Oct 2024 17:19		SY/MD	Ok,M
17	P4254-02	MH-147-SLUDGE-VOC	VY019771.D	02 Oct 2024 17:42	Internal Standard Fail vial-A	SY/MD	Ok
18	P4254-01	MH-147-SLUDGE	VY019772.D	02 Oct 2024 18:06	Not purge vial-A	SY/MD	Not Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY100224

Review By	Semsettin Yesilyurt	Review On	10/3/2024 4:56:16 PM		
Supervise By	Mahesh Dadoda	Supervise On	10/3/2024 4:58:28 PM		
SubDirectory	VY100224	HP Acquire Method	MSVOA_Y	HP Processing Method	82y090924s.m

STD. NAME	STD REF.#
Tune/Reschk	VP130628
Initial Calibration Stds	
CCC	VP130629,VP130630
Internal Standard/PEM	VP128297
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	VIBLK	VIBLK	VY019773.D	02 Oct 2024 18:29		SY/MD	Ok
20	VSTDCCC050	VSTDCCC050EC	VY019774.D	02 Oct 2024 18:52		SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY100324

Review By	Semsettin Yesilyurt	Review On	10/4/2024 10:17:50 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/4/2024 10:18:45 AM		
SubDirectory	VY100324	HP Acquire Method		HP Processing Method	82y090924s.m

STD. NAME	STD REF.#
Tune/Reschk	VP130673
Initial Calibration Stds	
CCC	VP130675,VP130676
Internal Standard/PEM	VP130432
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY019775.D	03 Oct 2024 08:34		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY019776.D	03 Oct 2024 09:44		SY/MD	Ok,M
3	VY1003SBL01	VY1003SBL01	VY019777.D	03 Oct 2024 10:17		SY/MD	Ok
4	VY1003SBS01	VY1003SBS01	VY019778.D	03 Oct 2024 11:01		SY/MD	Ok,M
5	VY1003SBSD01	VY1003SBSD01	VY019779.D	03 Oct 2024 11:29	Recovery fail	SY/MD	Not Ok
6	P4258-03RE	Chamberlain AveRE	VY019780.D	03 Oct 2024 12:10	Internal Standard Fail vial-B	SY/MD	Confirms
7	P4242-03	TP-Q-VOC	VY019781.D	03 Oct 2024 12:34	vial-B	SY/MD	Ok
8	P4277-01	BU-03-10022024	VY019782.D	03 Oct 2024 12:57	NOT PURGE vial-a	SY/MD	Not Ok
9	P4277-02	BU-03-10022024	VY019783.D	03 Oct 2024 13:21	Not purge vial-A	SY/MD	Not Ok
10	P4276-01	VNJ-208	VY019784.D	03 Oct 2024 13:44	vial-A	SY/MD	Ok
11	P4273-02	AU-05-100224	VY019785.D	03 Oct 2024 14:07	Internal Standard Fail vial-A	SY/MD	ReRun
12	P4275-01	TRE-1300	VY019786.D	03 Oct 2024 14:31	Need MeOH vial-a	SY/MD	Dilution
13	P4254-01	MH-147-SLUDGE	VY019787.D	03 Oct 2024 14:54	Internal standard fail	SY/MD	Ok
14	P4254-02RE	MH-147-SLUDGE-VOC	VY019788.D	03 Oct 2024 15:18	Internal standard fail;Confirm Concentration vial-B	SY/MD	Not Ok
15	P4270-03	IB-2-VOC	VY019789.D	03 Oct 2024 15:41	Confirm Concentration vial-a	SY/MD	Not Ok
16	VSTDCCC050	VSTDCCC050EC	VY019790.D	03 Oct 2024 16:41		SY/MD	Ok,M

M : Manual Integration

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LAB CHRONICLE

OrderID:	P4258	**OrderDate:**	10/1/2024 1:21:00 PM
Client:	Roman E&G Corp	**Project:**	Perth Amboy
Contact:	Mark Mattheiss	**Location:**	H11,H51

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4258-03	**Chamberlain Ave**	**SOIL**			**10/01/24**			**10/01/24**
			VOC-TCLVOA-10	8260D			10/02/24	
P4258-03RE	**Chamberlain AveRE**	**SOIL**			**10/01/24**			**10/01/24**
			VOC-TCLVOA-10	8260D			10/03/24	
P4258-04	**Chamberlain Ave**	**TCLP**			**10/01/24**			**10/01/24**
			TCLP VOA	8260D			10/03/24	

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Hit Summary Sheet
SW-846

SDG No.: P4258

Client: Roman E&G Corp

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:								

0

Total Voc :

Total Concentration:

SAMPLE DATA

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Report of Analysis

Client:	Roman E&G Corp		Date Collected:	10/01/24	
Project:	Perth Amboy		Date Received:	10/01/24	
Client Sample ID:	Chamberlain Ave		SDG No.:	P4258	
Lab Sample ID:	P4258-04		Matrix:	TCLP	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5 Units:	mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	TCLP VOA	
GC Column:	RXI-624 ID :	0.25	Level :	LOW	
Prep Method :	SW5035				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084304.D	1		10/03/24 17:27	VN100324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.34	U	0.34	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	5.00	ug/L
78-93-3	2-Butanone	1.30	U	1.30	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	5.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	5.00	ug/L
71-43-2	Benzene	0.16	U	0.16	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	5.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	5.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	5.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.8		74 - 125	100%	SPK: 50
1868-53-7	Dibromofluoromethane	48.6		75 - 124	97%	SPK: 50
2037-26-5	Toluene-d8	50.9		86 - 113	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.2		77 - 121	94%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	164000	8.224			
540-36-3	1,4-Difluorobenzene	303000	9.1			
3114-55-4	Chlorobenzene-d5	266000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	107000	13.788			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

QC SUMMARY

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Surrogate Summary

SDG No.: P4258

Client: Roman E&G Corp

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
P4258-04	Chamberlain Ave	1,2-Dichloroethane-d4	50	49.9	100	74	125
		Dibromofluoromethane	50	48.5	97	75	124
		Toluene-d8	50	50.9	102	86	113
		4-Bromofluorobenzene	50	47.2	94	77	121

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Surrogate Summary

SDG No.: P4258

Client: Roman E&G Corp

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
VN1003WBL01	VN1003WBL01	1,2-Dichloroethane-d4	50	51.9	104	74	125
		Dibromofluoromethane	50	51.9	104	75	124
		Toluene-d8	50	50.4	101	86	113
		4-Bromofluorobenzene	50	46.5	93	77	121
VN1003WBS01	VN1003WBS01	1,2-Dichloroethane-d4	50	52.8	106	74	125
		Dibromofluoromethane	50	54.6	109	75	124
		Toluene-d8	50	56.2	112	86	113
		4-Bromofluorobenzene	50	53.1	106	77	121
VN1003WBSD0	VN1003WBSD01	1,2-Dichloroethane-d4	50	54.8	110	74	125
		Dibromofluoromethane	50	55.0	110	75	124
		Toluene-d8	50	54.8	110	86	113
		4-Bromofluorobenzene	50	54.7	109	77	121

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4258

Client: Roman E&G Corp

Analytical Method: SW8260-Low **Datafile :** VN084286.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1003WBS01	Vinyl chloride	20	19.7	ug/L	99			65	117	
	1,1-Dichloroethene	20	19.6	ug/L	98			74	110	
	2-Butanone	100	98.2	ug/L	98			65	122	
	Carbon Tetrachloride	20	20.1	ug/L	101			77	113	
	Chloroform	20	20.6	ug/L	103			79	113	
	Benzene	20	20.2	ug/L	101			82	109	
	1,2-Dichloroethane	20	20.4	ug/L	102			80	115	
	Trichloroethene	20	20.0	ug/L	100			77	113	
	Tetrachloroethene	20	20.2	ug/L	101			67	123	
	Chlorobenzene	20	19.7	ug/L	99			82	109	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4258

Client: Roman E&G Corp

Analytical Method: SW8260-Low **Datafile :** VN084287.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1003WBSD01	Vinyl chloride	20	19.7	ug/L	99	0		65	117	20
	1,1-Dichloroethene	20	19.5	ug/L	98	0		74	110	20
	2-Butanone	100	100	ug/L	100	2		65	122	20
	Carbon Tetrachloride	20	20.3	ug/L	102	1		77	113	20
	Chloroform	20	20.7	ug/L	104	1		79	113	20
	Benzene	20	20.8	ug/L	104	3		82	109	20
	1,2-Dichloroethane	20	21.7	ug/L	109	7		80	115	20
	Trichloroethene	20	19.9	ug/L	100	0		77	113	20
	Tetrachloroethene	20	20.3	ug/L	102	1		67	123	20
	Chlorobenzene	20	20.4	ug/L	102	3		82	109	20

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN1003WBL01

Lab Name: CHEMTECH Contract: ROMA02

Lab Code: CHEM Case No.: P4258 SAS No.: P4258 SDG NO.: P4258

Lab File ID: VN084285.D Lab Sample ID: VN1003WBL01

Date Analyzed: 10/03/2024 Time Analyzed: 09:42

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOA_N

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN1003WBS01	VN1003WBS01	VN084286.D	10/03/2024
VN1003WBSD01	VN1003WBSD01	VN084287.D	10/03/2024
Chamberlain Ave	P4258-04	VN084304.D	10/03/2024

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: ROMA02

Lab Code: CHEM Case No.: P4258 SAS No.: P4258 SDG NO.: P4258

Lab File ID: VN084211.D BFB Injection Date: 09/30/2024

Instrument ID: MSVOA_N BFB Injection Time: 09:24

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.9
75	30.0 - 60.0% of mass 95	53.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	0.6 (0.8) 1
174	50.0 - 100.0% of mass 95	71
175	5.0 - 9.0% of mass 174	5.5 (7.8) 1
176	95.0 - 101.0% of mass 174	69.7 (98.2) 1
177	5.0 - 9.0% of mass 176	4.9 (7) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC100	VSTDICC100	VN084213.D	09/30/2024	12:25
VSTDICCC050	VSTDICCC050	VN084214.D	09/30/2024	12:49
VSTDICC020	VSTDICC020	VN084215.D	09/30/2024	13:13
VSTDICC010	VSTDICC010	VN084216.D	09/30/2024	13:37
VSTDICC005	VSTDICC005	VN084217.D	09/30/2024	14:00
VSTDICC001	VSTDICC001	VN084218.D	09/30/2024	14:48

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: ROMA02

Lab Code: CHEM Case No.: P4258 SAS No.: P4258 SDG NO.: P4258

Lab File ID: VN084282.D BFB Injection Date: 10/03/2024

Instrument ID: MSVOA_N BFB Injection Time: 08:20

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.1
75	30.0 - 60.0% of mass 95	52.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.2
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 100.0% of mass 95	75.8
175	5.0 - 9.0% of mass 174	6.2 (8.2) 1
176	95.0 - 101.0% of mass 174	75.1 (99.1) 1
177	5.0 - 9.0% of mass 176	5 (6.6) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN084283.D	10/03/2024	08:43
VN1003WBL01	VN1003WBL01	VN084285.D	10/03/2024	09:42
VN1003WBS01	VN1003WBS01	VN084286.D	10/03/2024	10:05
VN1003WBSD01	VN1003WBSD01	VN084287.D	10/03/2024	10:40
Chamberlain Ave	P4258-04	VN084304.D	10/03/2024	17:27

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: ROMA02

Lab Code: CHEM Case No.: P4258 SAS No.: P4258 SDG NO.: P4258

Lab File ID: VN084283.D Date Analyzed: 10/03/2024

Instrument ID: MSVOA_N Time Analyzed: 08:43

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	169381	8.22	285966	9.10	262806	11.87
UPPER LIMIT	338762	8.724	571932	9.6	525612	12.365
LOWER LIMIT	84690.5	7.724	142983	8.6	131403	11.365
EPA SAMPLE NO.						
Chamberlain Ave	164187	8.22	302561	9.10	265786	11.87
VN1003WBL01	163611	8.22	286487	9.10	249556	11.87
VN1003WBS01	164341	8.22	282487	9.10	252092	11.87
VN1003WBSD01	156141	8.22	268205	9.10	240791	11.87

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: ROMA02

Lab Code: CHEM Case No.: P4258 SAS No.: P4258 SDG NO.: P4258

Lab File ID: VN084283.D Date Analyzed: 10/03/2024

Instrument ID: MSVOA_N Time Analyzed: 08:43

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	131016	13.788				
UPPER LIMIT	262032	14.288				
LOWER LIMIT	65508	13.288				
EPA SAMPLE NO.						
Chamberlain Ave	107062	13.79				
VN1003WBL01	98264	13.79				
VN1003WBS01	119632	13.79				
VN1003WBSD01	117079	13.79				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

QC SAMPLE DATA

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Roman E&G Corp		Date Collected:		
Project:	Perth Amboy		Date Received:		
Client Sample ID:	VN1003WBL01		SDG No.:	P4258	
Lab Sample ID:	VN1003WBL01		Matrix:	TCLP	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5 Units:	mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	TCLP VOA	
GC Column:	RXI-624 ID :	0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084285.D	1		10/03/24 09:42	VN100324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.34	U	0.34	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	1.00	ug/L
78-93-3	2-Butanone	1.30	U	1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	1.00	ug/L
71-43-2	Benzene	0.16	U	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	1.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	1.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	1.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.9		74 - 125	104%	SPK: 50
1868-53-7	Dibromofluoromethane	51.9		75 - 124	104%	SPK: 50
2037-26-5	Toluene-d8	50.4		86 - 113	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.5		77 - 121	93%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	164000	8.224			
540-36-3	1,4-Difluorobenzene	286000	9.1			
3114-55-4	Chlorobenzene-d5	250000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	98300	13.788			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Roman E&G Corp	Date Collected:	
Project:	Perth Amboy	Date Received:	
Client Sample ID:	VN1003WBS01	SDG No.:	P4258
Lab Sample ID:	VN1003WBS01	Matrix:	TCLP
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084286.D	1		10/03/24 10:05	VN100324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	19.7		0.34	1.00	ug/L
75-35-4	1,1-Dichloroethene	19.6		0.26	1.00	ug/L
78-93-3	2-Butanone	98.2		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	20.1		0.25	1.00	ug/L
67-66-3	Chloroform	20.6		0.26	1.00	ug/L
71-43-2	Benzene	20.2		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.4		0.24	1.00	ug/L
79-01-6	Trichloroethene	20.0		0.32	1.00	ug/L
127-18-4	Tetrachloroethene	20.2		0.25	1.00	ug/L
108-90-7	Chlorobenzene	19.7		0.13	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.8		74 - 125	106%	SPK: 50
1868-53-7	Dibromofluoromethane	54.6		75 - 124	109%	SPK: 50
2037-26-5	Toluene-d8	56.2		86 - 113	112%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.1		77 - 121	106%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	164000	8.224			
540-36-3	1,4-Difluorobenzene	282000	9.1			
3114-55-4	Chlorobenzene-d5	252000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	120000	13.788			

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Report of Analysis

Client:	Roman E&G Corp	Date Collected:	
Project:	Perth Amboy	Date Received:	
Client Sample ID:	VN1003WBSD01	SDG No.:	P4258
Lab Sample ID:	VN1003WBSD01	Matrix:	TCLP
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084287.D	1		10/03/24 10:40	VN100324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	19.7		0.34	1.00	ug/L
75-35-4	1,1-Dichloroethene	19.5		0.26	1.00	ug/L
78-93-3	2-Butanone	100		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	20.3		0.25	1.00	ug/L
67-66-3	Chloroform	20.7		0.26	1.00	ug/L
71-43-2	Benzene	20.8		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	21.7		0.24	1.00	ug/L
79-01-6	Trichloroethene	19.9		0.32	1.00	ug/L
127-18-4	Tetrachloroethene	20.3		0.25	1.00	ug/L
108-90-7	Chlorobenzene	20.4		0.13	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.8		74 - 125	110%	SPK: 50
1868-53-7	Dibromofluoromethane	55.0		75 - 124	110%	SPK: 50
2037-26-5	Toluene-d8	54.8		86 - 113	110%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.7		77 - 121	109%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	156000	8.224			
540-36-3	1,4-Difluorobenzene	268000	9.1			
3114-55-4	Chlorobenzene-d5	241000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	117000	13.788			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

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B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

CALIBRATION SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: ROMA02

Lab Code: CHEM Case No.: P4258 SAS No.: P4258 SDG No.: P4258

Instrument ID: MSVOA_N Calibration Date(s): 09/30/2024 09/30/2024

Heated Purge: (Y/N) N Calibration Time(s): 12:25 14:48

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF100 = VN084213.D RRF050 = VN084214.D RRF020 = VN084215.D
RRF010 = VN084216.D RRF005 = VN084217.D RRF001 = VN084218.D

COMPOUND	RRF100	RRF050	RRF020	RRF010	RRF005	RRF001	$\overline{RRF}$	% RSD
Vinyl Chloride	0.611	0.667	0.665	0.641	0.724	0.617	0.654	6.4
1,1-Dichloroethene	0.538	0.587	0.596	0.533	0.631	0.493	0.563	8.9
2-Butanone	0.395	0.452	0.465	0.419	0.467	0.404	0.434	7.3
Carbon Tetrachloride	0.515	0.549	0.553	0.508	0.545	0.482	0.525	5.4
Chloroform	1.083	1.204	1.205	1.117	1.259	1.181	1.175	5.5
Benzene	1.434	1.553	1.559	1.410	1.574	1.421	1.492	5.2
1,2-Dichloroethane	0.480	0.528	0.524	0.498	0.544	0.460	0.506	6.3
Trichloroethene	0.334	0.362	0.361	0.329	0.379	0.325	0.348	6.3
Tetrachloroethene	0.323	0.359	0.351	0.338	0.373	0.346	0.348	5
Chlorobenzene	1.068	1.170	1.143	1.069	1.173	1.028	1.109	5.5
1,2-Dichloroethane-d4	0.673	0.737	0.764	0.712	0.821		0.741	7.5
Dibromofluoromethane	0.308	0.324	0.341	0.316	0.359		0.330	6.1
Toluene-d8	1.189	1.243	1.242	1.148	1.242		1.213	3.5
4-Bromofluorobenzene	0.447	0.452	0.449	0.406	0.456		0.442	4.6

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ROMA02

Lab Code: CHEM Case No.: P4258 SAS No.: P4258 SDG No.: P4258

Instrument ID: MSVOA_N Calibration Date/Time: 10/03/2024 08:43

Lab File ID: VN084283.D Init. Calib. Date(s): 09/30/2024 09/30/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 12:25 14:48

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Vinyl Chloride	0.654	0.623		-4.74	20
1,1-Dichloroethene	0.563	0.545		-3.2	20
2-Butanone	0.434	0.451		3.92	20
Carbon Tetrachloride	0.525	0.548		4.38	20
Chloroform	1.175	1.187		1.02	20
Benzene	1.492	1.529		2.48	20
1,2-Dichloroethane	0.506	0.529		4.55	20
Trichloroethene	0.348	0.350		0.57	20
Tetrachloroethene	0.348	0.348		0	20
Chlorobenzene	1.109	1.084	0.3	-2.25	20
1,2-Dichloroethane-d4	0.741	0.758		2.29	20
Dibromofluoromethane	0.330	0.342		3.64	20
Toluene-d8	1.213	1.304		7.5	20
4-Bromofluorobenzene	0.442	0.468		5.88	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

SAMPLE RAW DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100324\
Data File : VN084304.D
Acq On : 03 Oct 2024 17:27
Operator : JC\MD
Sample : P4258-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Oct 04 01:39:17 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
Chamberlain Ave

Manual Integrations APPROVED

Reviewed By :John Carlone 10/04/2024
Supervised By :Mahesh Dadoda 10/04/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	164187	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	302561	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	265786	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	107062	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	121347	49.847	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 99.700%			
35) Dibromofluoromethane	8.165	113	96852	48.555	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.120%			
50) Toluene-d8	10.565	98	373293	50.867	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.740%			
62) 4-Bromofluorobenzene	12.847	95	126134	47.179	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 94.360%			
Target Compounds						Qvalue
16) Acetone	4.430	43	15883	15.188	ug/l	92
20) Methylene Chloride	5.283	84	4056	1.908	ug/l #	89
43) Isopropyl Acetate	8.688	43	181785m	31.223	ug/l	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

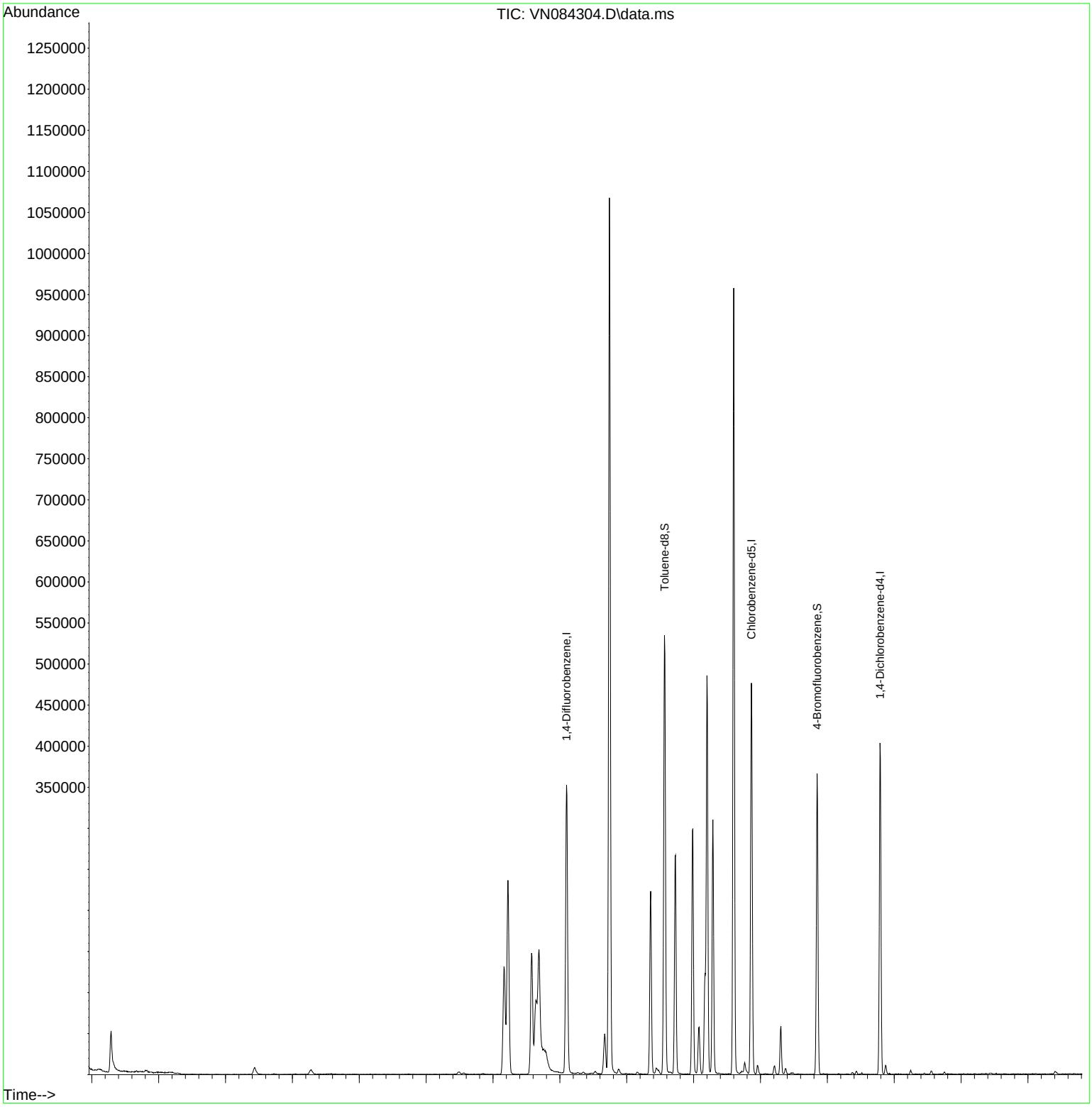
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100324\
Data File : VN084304.D
Acq On : 03 Oct 2024 17:27
Operator : JC\MD
Sample : P4258-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

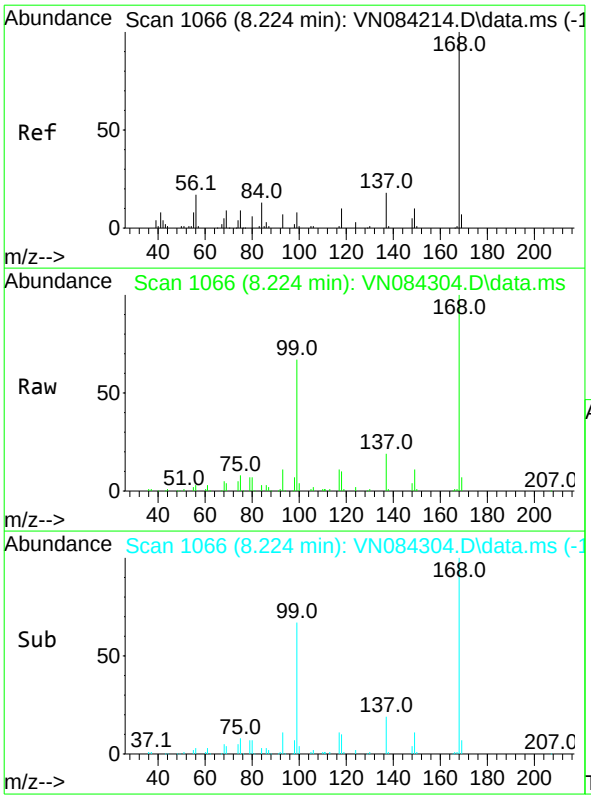
Quant Time: Oct 04 01:39:17 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
Chamberlain Ave

Manual Integrations APPROVED

Reviewed By :John Carlone 10/04/2024
Supervised By :Mahesh Dadoda 10/04/2024

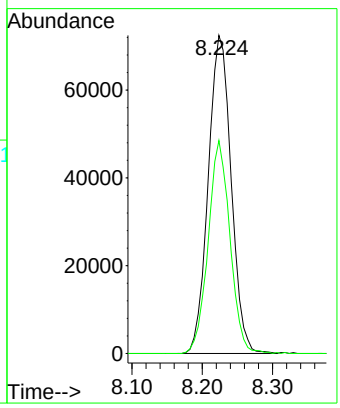




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084304.D
Acq: 03 Oct 2024 17:27

Tgt Ion:168 Resp: 164187

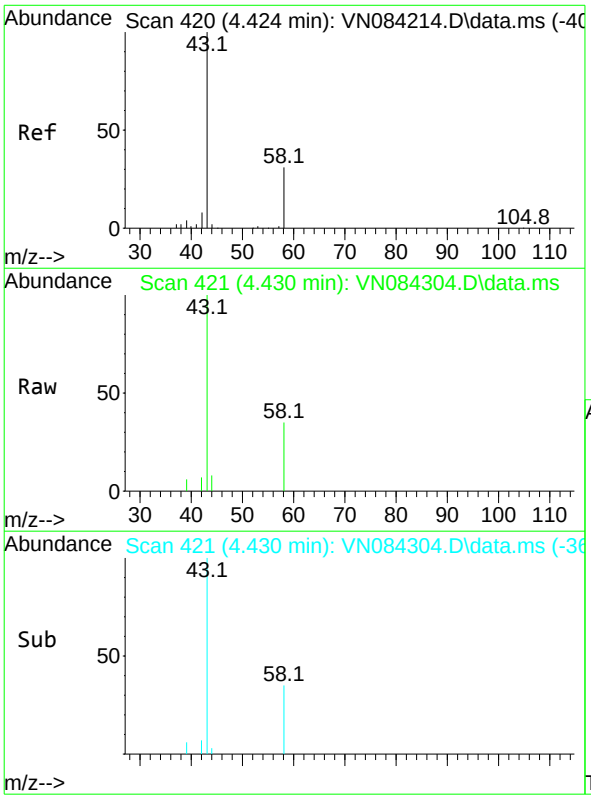
Ion	Ratio	Lower	Upper
168	100		
99	67.0	54.2	81.2



Instrument :
MSVOA_N
ClientSampleId :
Chamberlain Ave

Manual Integrations APPROVED

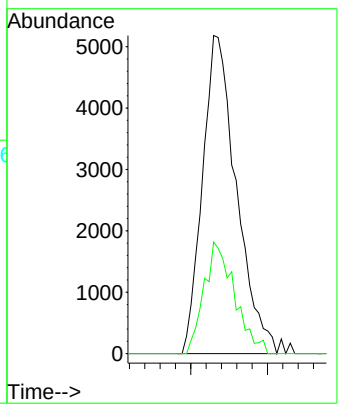
Reviewed By :John Carlone 10/04/2024
Supervised By :Mahesh Dadoda 10/04/2024

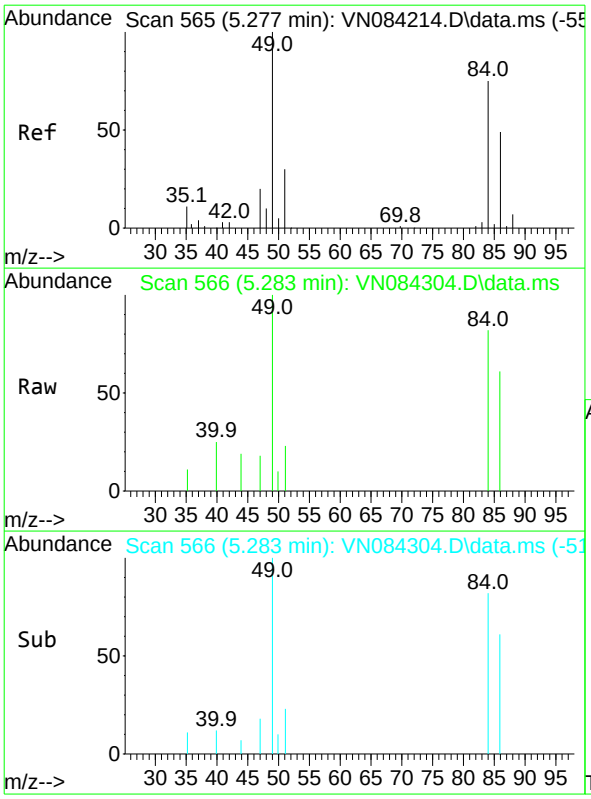


#16
Acetone
Concen: 15.188 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084304.D
Acq: 03 Oct 2024 17:27

Tgt Ion: 43 Resp: 15883

Ion	Ratio	Lower	Upper
43	100		
58	35.1	24.4	36.6

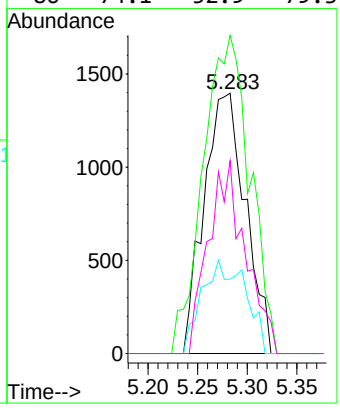




#20
Methylene Chloride
Concen: 1.908 ug/l
RT: 5.283 min Scan# 56
Delta R.T. 0.006 min
Lab File: VN084304.D
Acq: 03 Oct 2024 17:27

Tgt Ion: 84 Resp: 4056

Ion	Ratio	Lower	Upper
84	100		
49	122.2	107.2	160.8
51	28.6	31.8	47.8#
86	74.1	52.9	79.3



Instrument :
MSVOA_N
ClientSampleId :
Chamberlain Ave

Manual Integrations APPROVED
Reviewed By :John Carlone 10/04/2024
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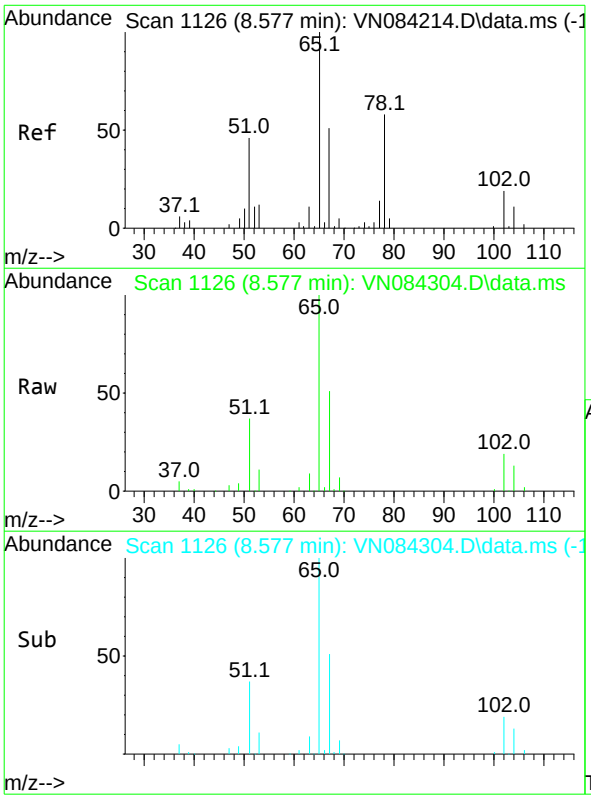
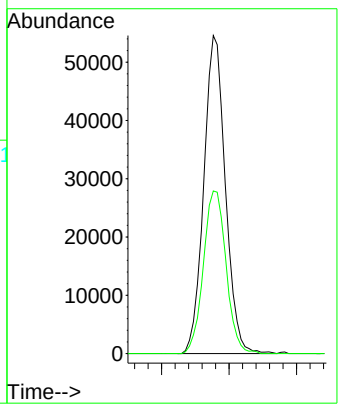
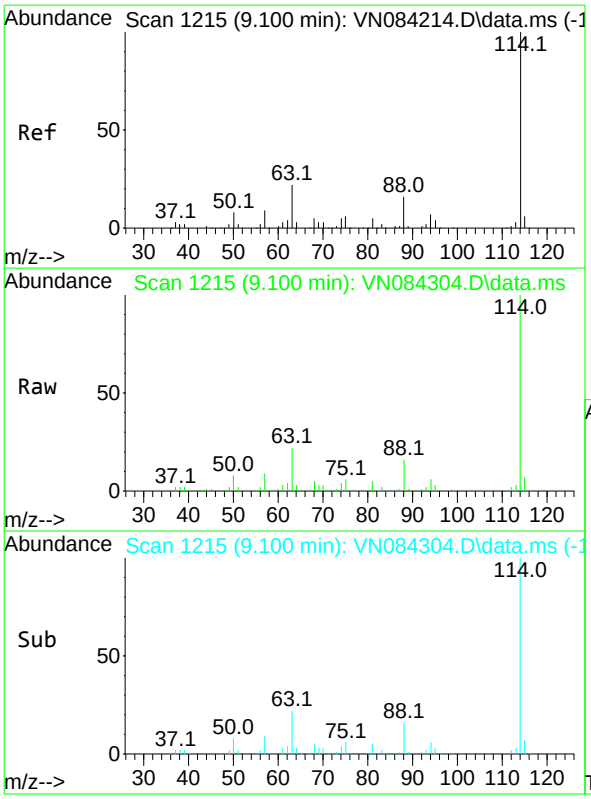


#33
1,2-Dichloroethane-d4
Concen: 49.847 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084304.D
Acq: 03 Oct 2024 17:27

Tgt Ion: 65 Resp: 121347

Ion	Ratio	Lower	Upper
65	100		
67	53.7	0.0	102.0





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 12
Delta R.T. -0.000 min
Lab File: VN084304.D
Acq: 03 Oct 2024 17:27

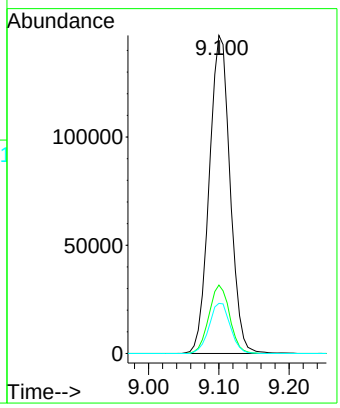
Tgt Ion:114 Resp: 302561

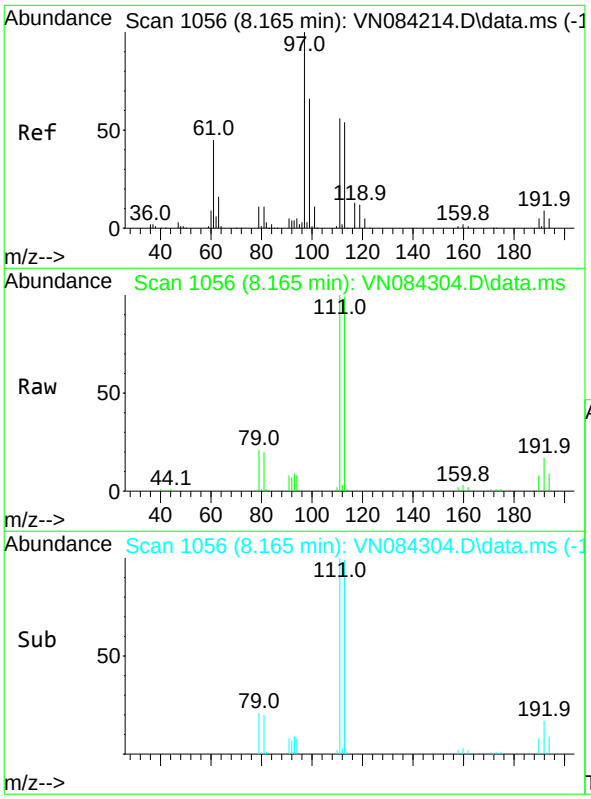
Ion	Ratio	Lower	Upper
114	100		
63	21.5	0.0	43.8
88	15.8	0.0	31.6

Instrument :
MSVOA_N
ClientSampleId :
Chamberlain Ave

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/04/2024
Supervised By :Mahesh Dadoda 10/04/2024

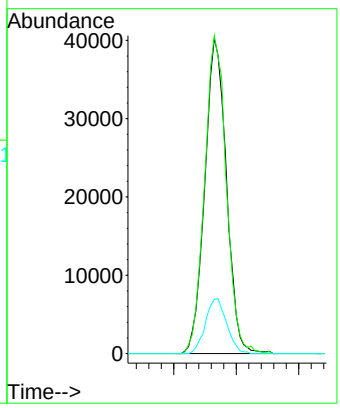


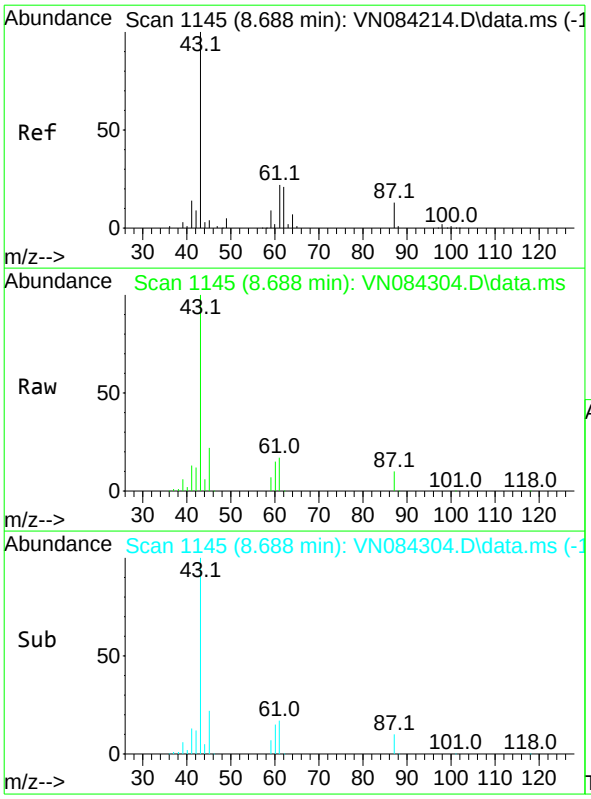


#35
Dibromofluoromethane
Concen: 48.555 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN084304.D
Acq: 03 Oct 2024 17:27

Tgt Ion:113 Resp: 96852

Ion	Ratio	Lower	Upper
113	100		
111	101.4	83.3	124.9
192	17.1	13.5	20.3

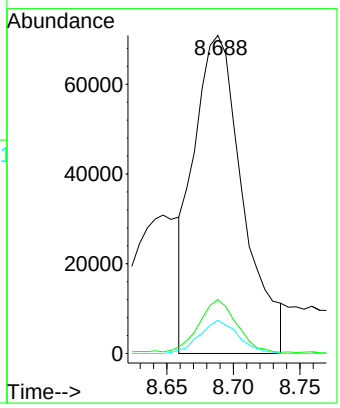




#43
Isopropyl Acetate
Concen: 31.223 ug/l m
RT: 8.688 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084304.D
Acq: 03 Oct 2024 17:27

Tgt Ion: 43 Resp: 181785

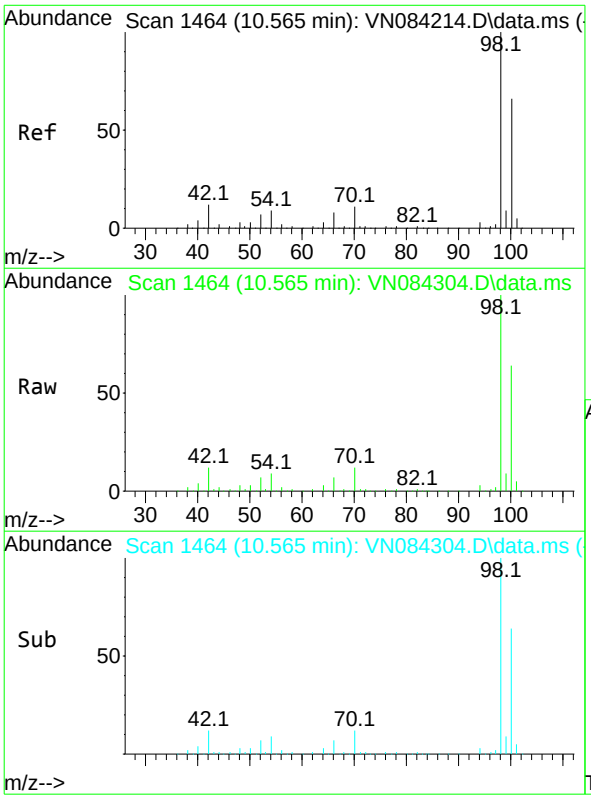
Ion	Ratio	Lower	Upper
43	100		
61	13.3	20.4	30.6#
87	8.2	10.3	15.5#



Instrument :
MSVOA_N
ClientSampleId :
Chamberlain Ave

Manual Integrations
APPROVED

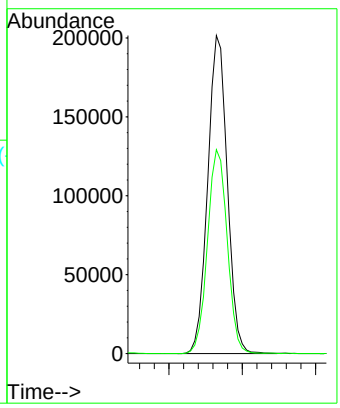
Reviewed By :John Carlone 10/04/2024
Supervised By :Mahesh Dadoda 10/04/2024

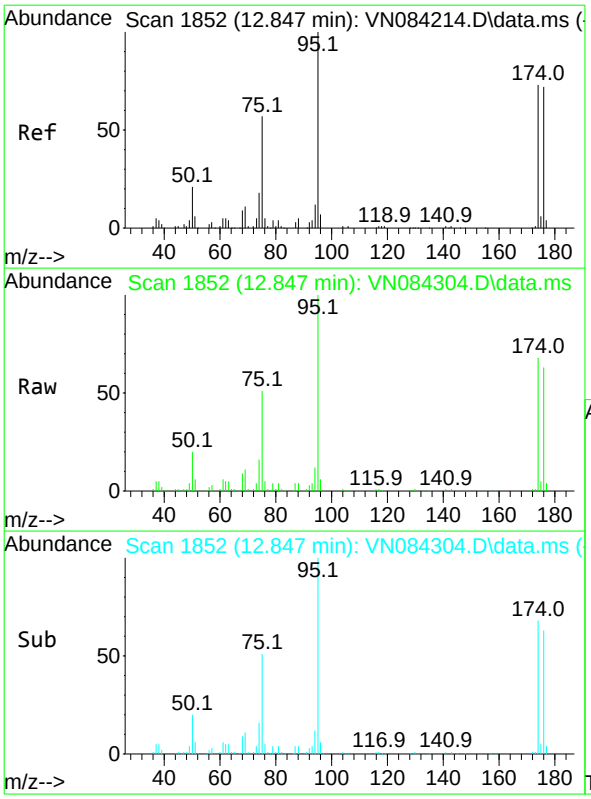


#50
Toluene-d8
Concen: 50.867 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084304.D
Acq: 03 Oct 2024 17:27

Tgt Ion: 98 Resp: 373293

Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.7	79.1

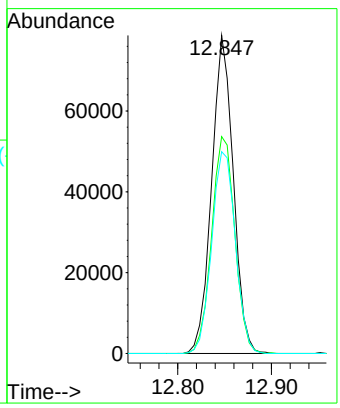




#62
4-Bromofluorobenzene
Concen: 47.179 ug/l
RT: 12.847 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084304.D
Acq: 03 Oct 2024 17:27

Tgt Ion: 95 Resp: 126134

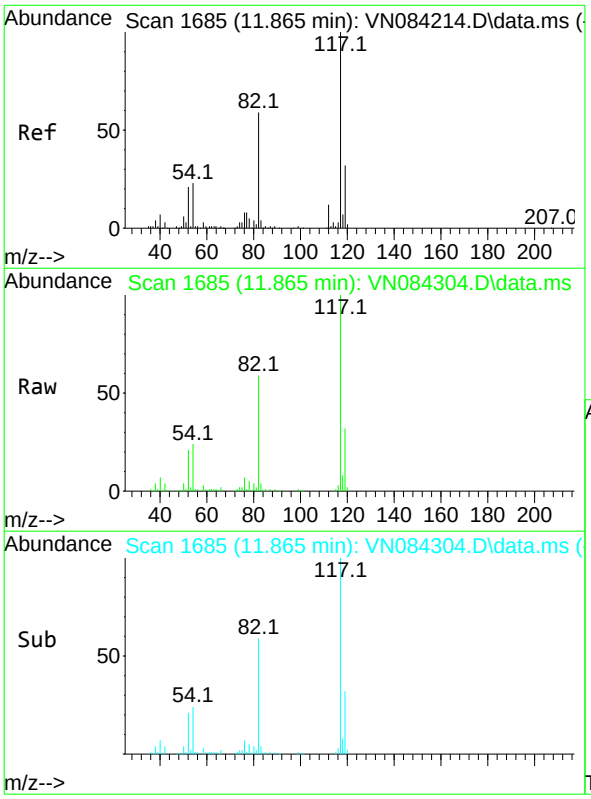
Ion	Ratio	Lower	Upper
95	100		
174	73.0	0.0	145.2
176	69.3	0.0	140.0



Instrument :
MSVOA_N
ClientSampleId :
Chamberlain Ave

Manual Integrations
APPROVED

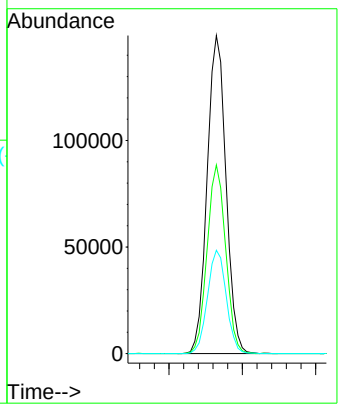
Reviewed By :John Carlone 10/04/2024
Supervised By :Mahesh Dadoda 10/04/2024

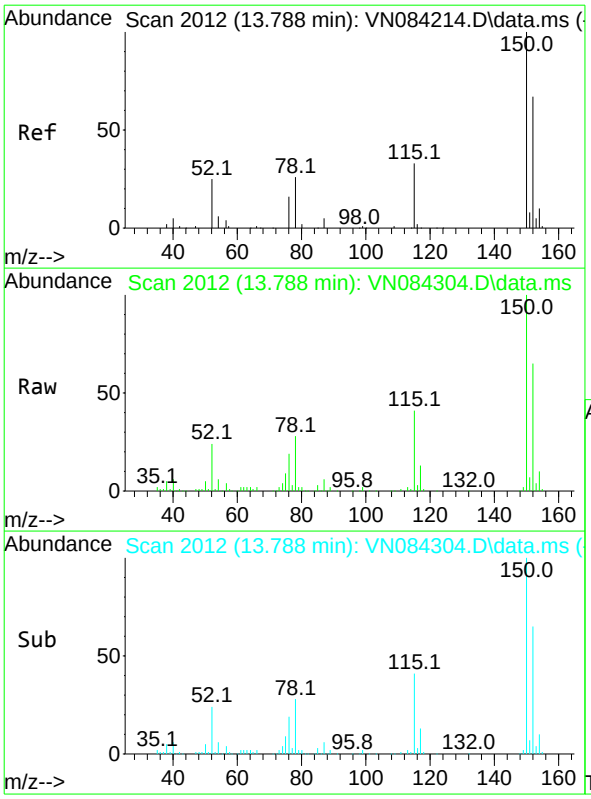


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084304.D
Acq: 03 Oct 2024 17:27

Tgt Ion:117 Resp: 265786

Ion	Ratio	Lower	Upper
117	100		
82	59.3	47.2	70.8
119	32.5	25.4	38.0

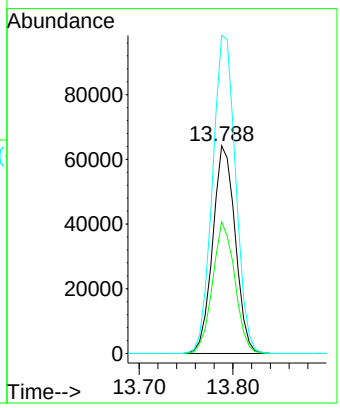




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084304.D
Acq: 03 Oct 2024 17:27

Tgt Ion:152 Resp: 107062

Ion	Ratio	Lower	Upper
152	100		
115	62.5	31.3	93.9
150	157.4	0.0	349.8



Instrument :
MSVOA_N
ClientSampleId :
Chamberlain Ave

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/04/2024
Supervised By :Mahesh Dadoda 10/04/2024

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100324\
Data File : VN084285.D
Acq On : 03 Oct 2024 09:42
Operator : JC\MD
Sample : VN1003WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1003WBL01

Quant Time: Oct 04 01:29:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

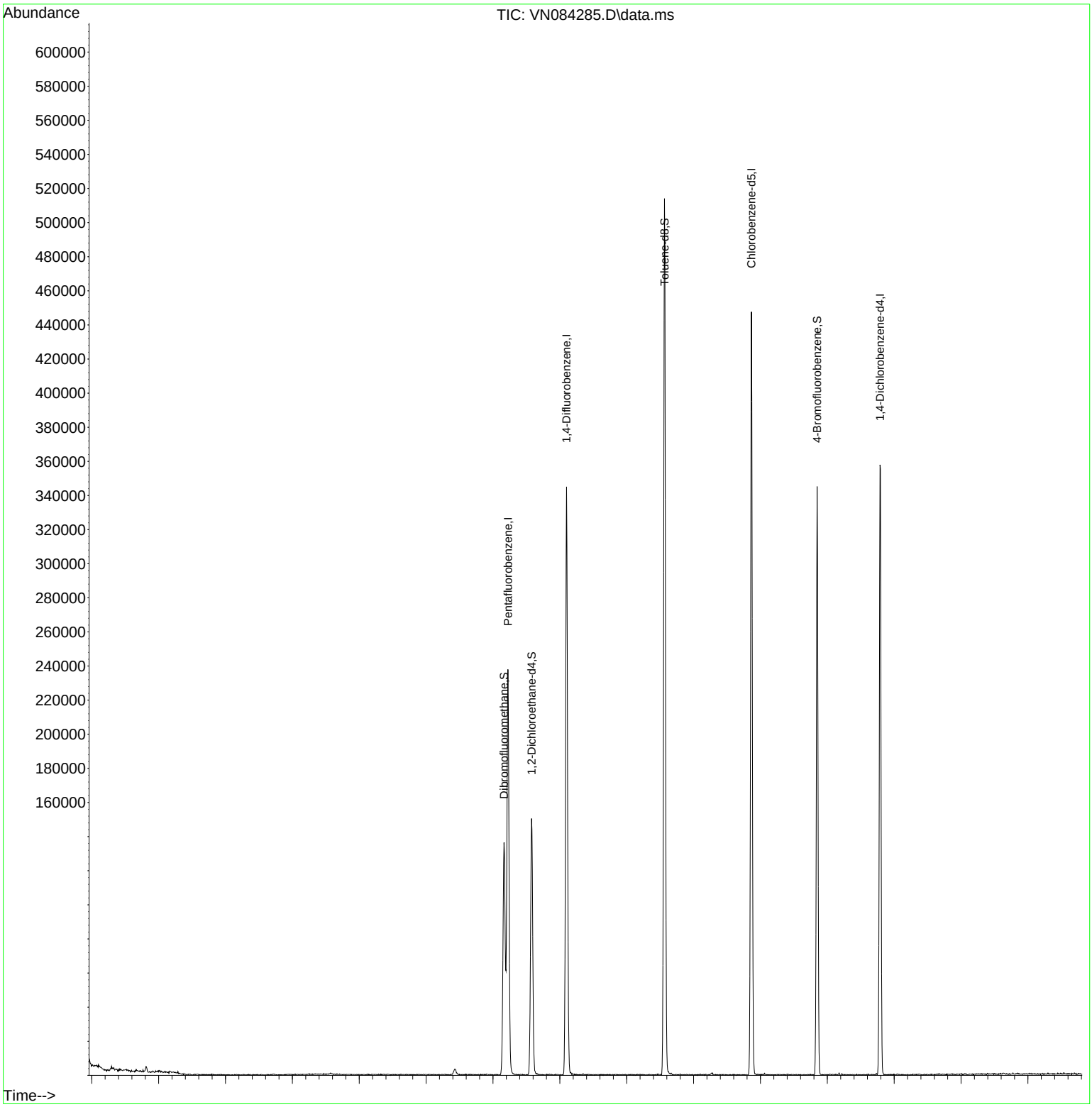
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	163611	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	286487	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	249556	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	98264	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	125911	51.904	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.800%			
35) Dibromofluoromethane	8.165	113	98018	51.897	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.800%			
50) Toluene-d8	10.565	98	350297	50.412	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.820%			
62) 4-Bromofluorobenzene	12.847	95	117713	46.499	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 93.000%			
Target Compounds						Qvalue

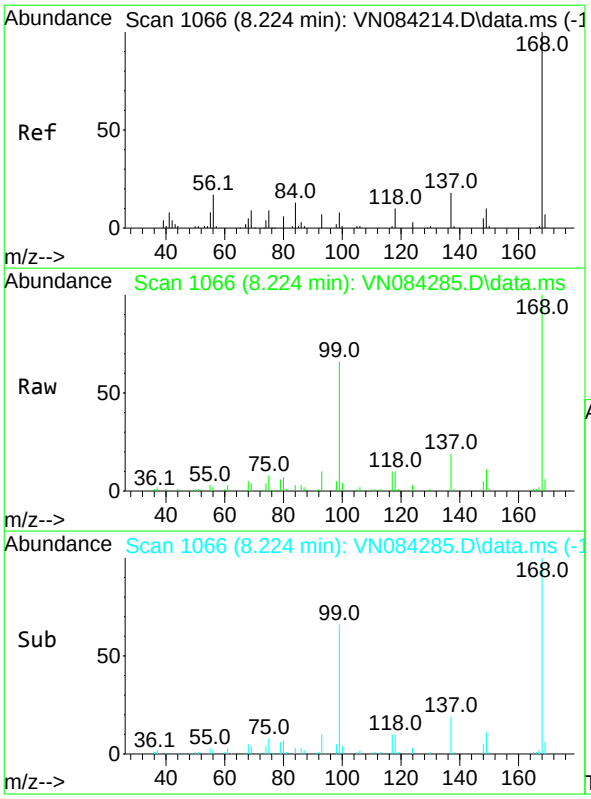
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100324\
Data File : VN084285.D
Acq On : 03 Oct 2024 09:42
Operator : JC\MD
Sample : VN1003WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1003WBL01

Quant Time: Oct 04 01:29:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration



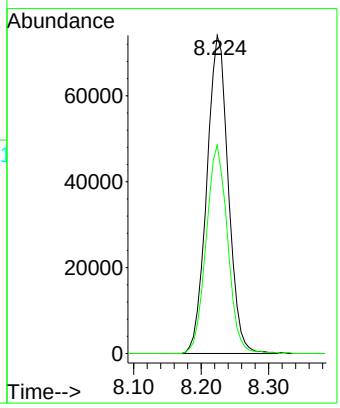


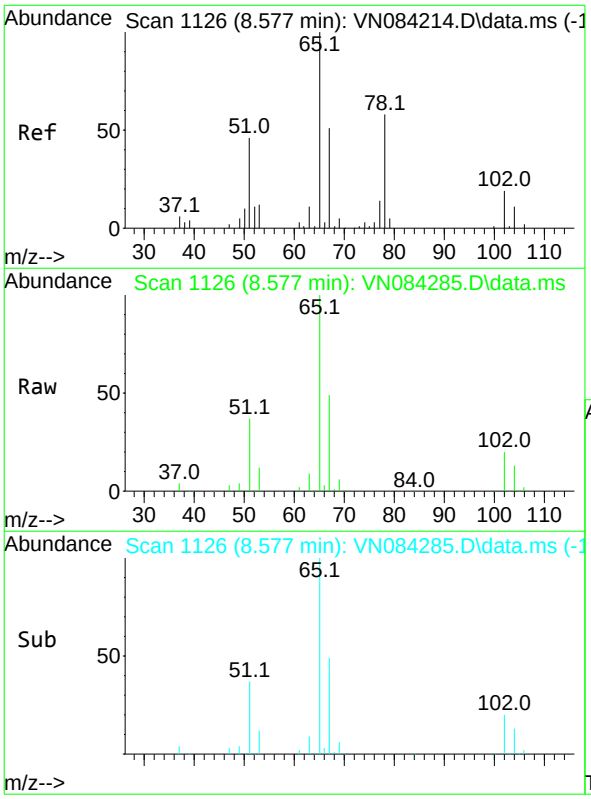
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084285.D
Acq: 03 Oct 2024 09:42

Instrument :
MSVOA_N
ClientSampleId :
VN1003WBL01

Tgt Ion:168 Resp: 163611

Ion	Ratio	Lower	Upper
168	100		
99	65.5	54.2	81.2

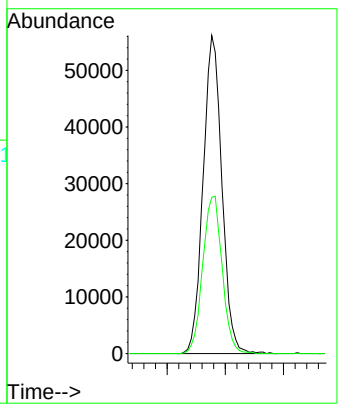


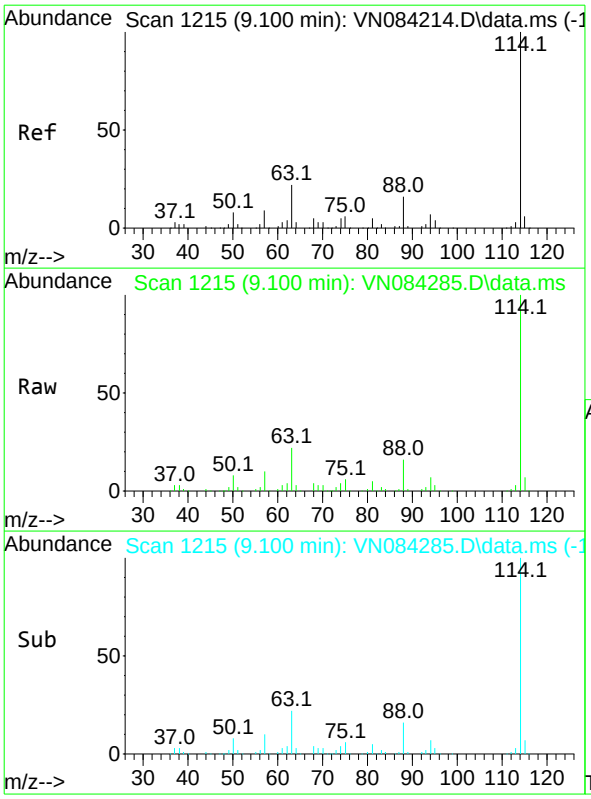


#33
1,2-Dichloroethane-d4
Concen: 51.904 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN084285.D
Acq: 03 Oct 2024 09:42

Tgt Ion: 65 Resp: 125911

Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	102.0



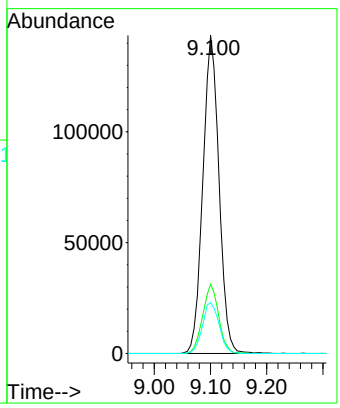


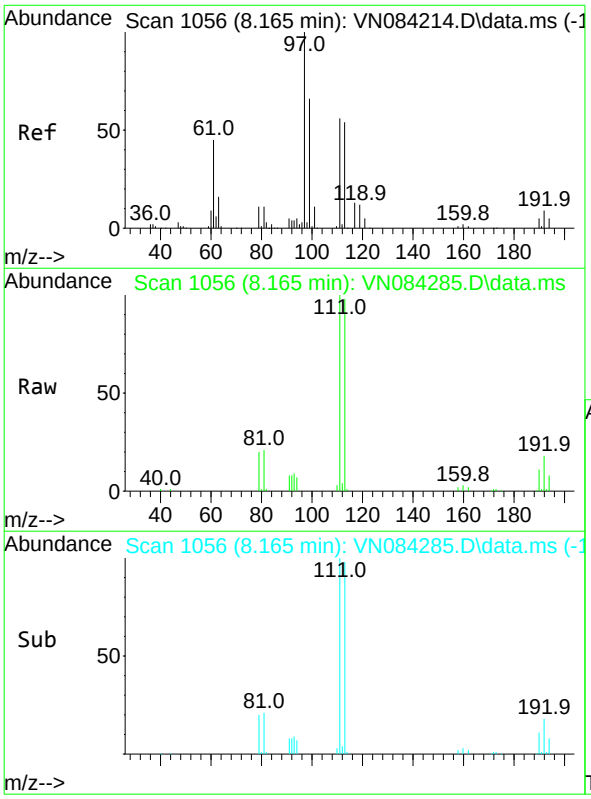
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 12
Delta R.T. 0.000 min
Lab File: VN084285.D
Acq: 03 Oct 2024 09:42

Instrument :
MSVOA_N
ClientSampleId :
VN1003WBL01

Tgt Ion:114 Resp: 286487

Ion	Ratio	Lower	Upper
114	100		
63	21.8	0.0	43.8
88	16.0	0.0	31.6

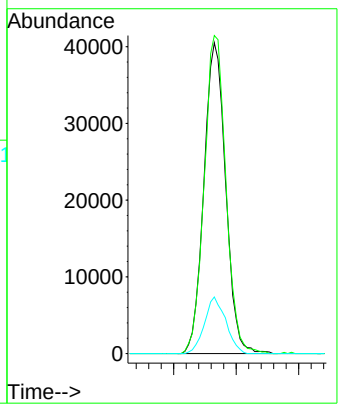


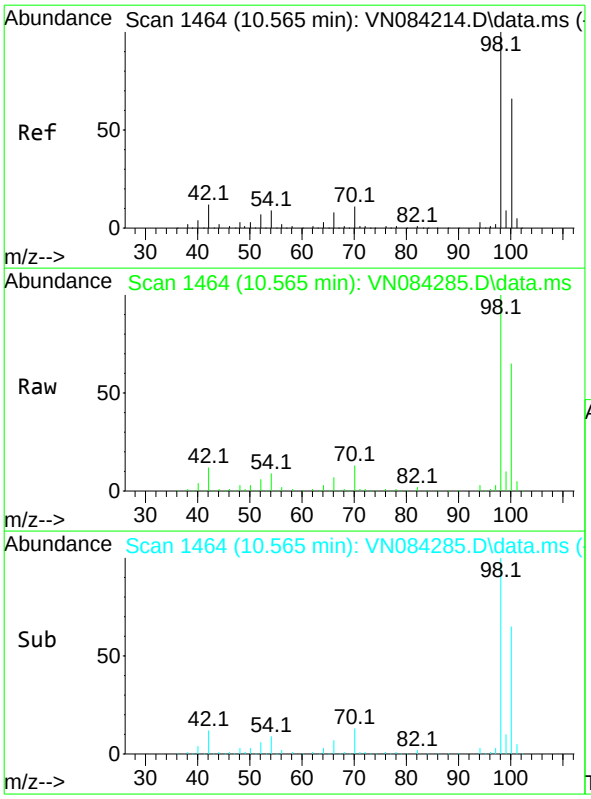


#35
Dibromofluoromethane
Concen: 51.897 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN084285.D
Acq: 03 Oct 2024 09:42

Tgt Ion:113 Resp: 98018

Ion	Ratio	Lower	Upper
113	100		
111	102.2	83.3	124.9
192	17.9	13.5	20.3



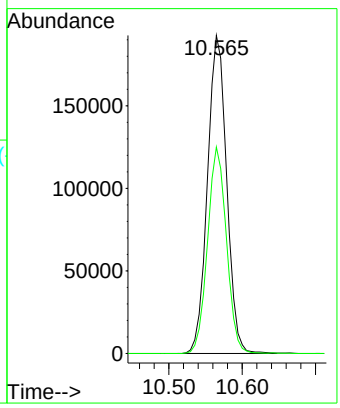


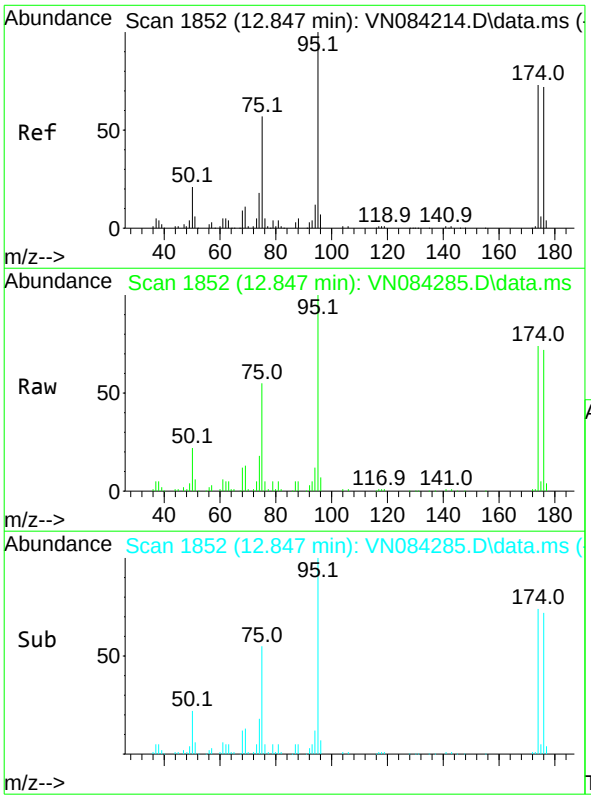
#50
Toluene-d8
Concen: 50.412 ug/l
RT: 10.565 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN084285.D
Acq: 03 Oct 2024 09:42

Instrument :
MSVOA_N
ClientSampleId :
VN1003WBL01

Tgt Ion: 98 Resp: 350297

Ion	Ratio	Lower	Upper
98	100		
100	63.9	52.7	79.1

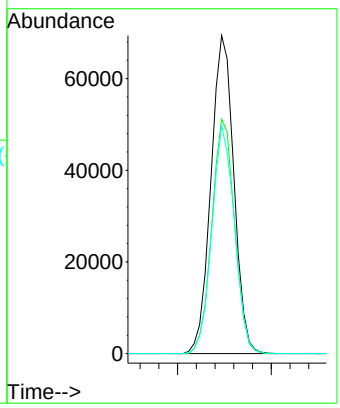


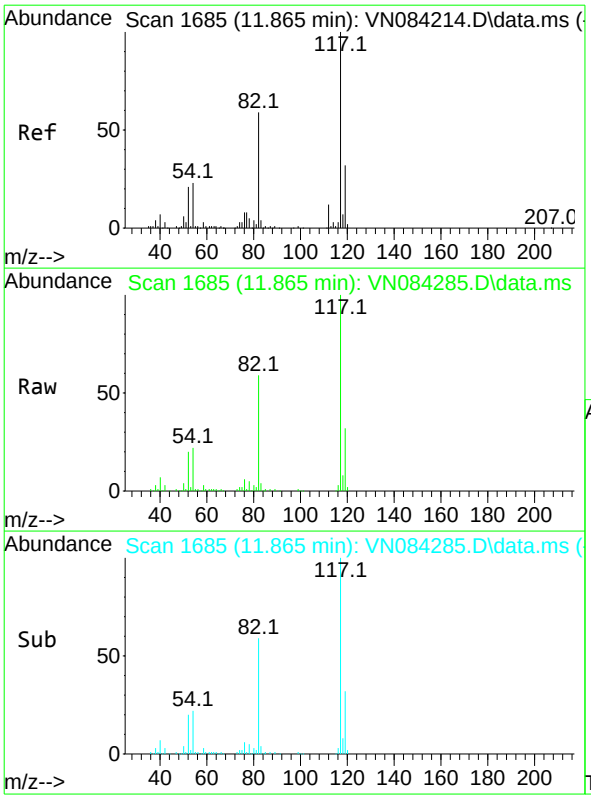


#62
4-Bromofluorobenzene
Concen: 46.499 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084285.D
Acq: 03 Oct 2024 09:42

Tgt Ion: 95 Resp: 117713

Ion	Ratio	Lower	Upper
95	100		
174	73.3	0.0	145.2
176	70.7	0.0	140.0



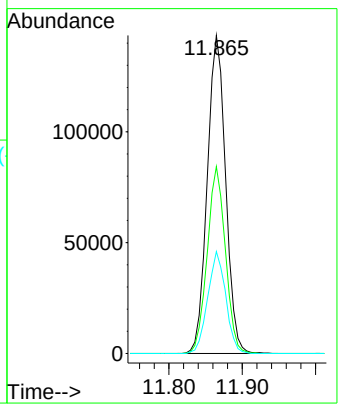


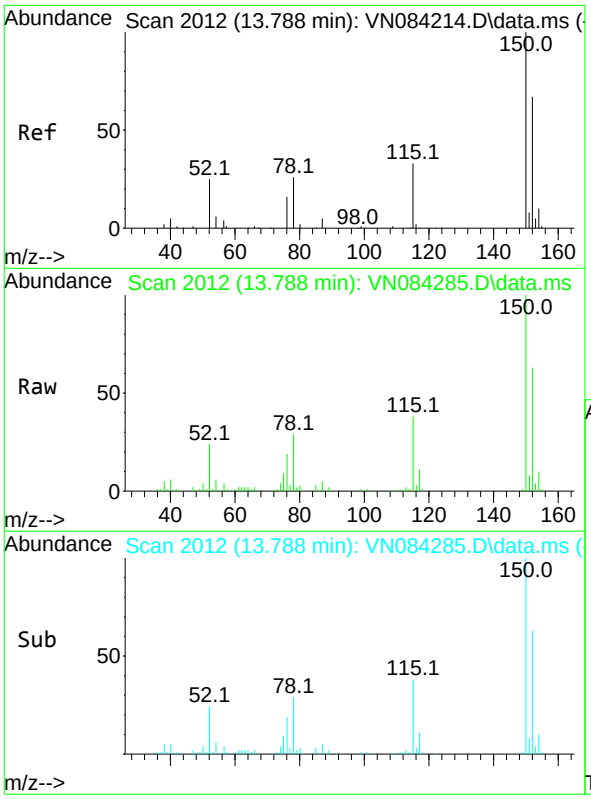
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN084285.D
Acq: 03 Oct 2024 09:42

Instrument :
MSVOA_N
ClientSampleId :
VN1003WBL01

Tgt Ion:117 Resp: 249556

Ion	Ratio	Lower	Upper
117	100		
82	58.8	47.2	70.8
119	32.1	25.4	38.0

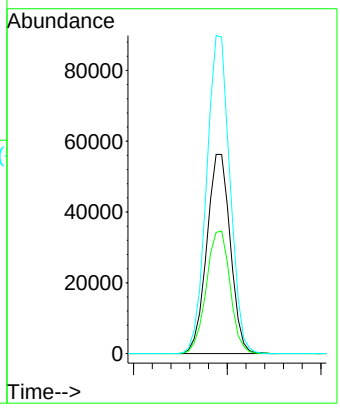




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084285.D
Acq: 03 Oct 2024 09:42

Tgt Ion:152 Resp: 98264

Ion	Ratio	Lower	Upper
152	100		
115	62.2	31.3	93.9
150	158.1	0.0	349.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100324\
Data File : VN084286.D
Acq On : 03 Oct 2024 10:05
Operator : JC\MD
Sample : VN1003WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 04 01:29:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1003WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/04/2024
Supervised By :Mahesh Dadoda 10/04/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	164341	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	282487	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	252092	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	119632	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	128542	52.753	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.500%			
35) Dibromofluoromethane	8.165	113	101663	54.589	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.180%			
50) Toluene-d8	10.565	98	385143	56.211	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 112.420%			
62) 4-Bromofluorobenzene	12.847	95	132668	53.149	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 106.300%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	37946	19.520	ug/l	90
3) Chloromethane	2.359	50	42644	19.213	ug/l	95
4) Vinyl Chloride	2.518	62	42326	19.686	ug/l	92
5) Bromomethane	2.959	94	26888	18.960	ug/l	88
6) Chloroethane	3.124	64	29003	18.836	ug/l	99
7) Trichlorofluoromethane	3.500	101	67007	20.014	ug/l	97
8) Diethyl Ether	3.965	74	22766	18.335	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.377	101	38872	20.263	ug/l	99
10) Methyl Iodide	4.589	142	47328	19.158	ug/l	98
11) Tert butyl alcohol	5.518	59	35351	87.985	ug/l	99
12) 1,1-Dichloroethene	4.347	96	36356	19.648	ug/l	95
13) Acrolein	4.183	56	38224	82.869	ug/l	100
14) Allyl chloride	5.030	41	56420	17.557	ug/l	99
15) Acrylonitrile	5.724	53	101779	100.312	ug/l	98
16) Acetone	4.424	43	101990	97.436	ug/l	97
17) Carbon Disulfide	4.718	76	103177	17.612	ug/l	98
18) Methyl Acetate	5.030	43	45974	20.151	ug/l	99
19) Methyl tert-butyl Ether	5.794	73	120712	19.328	ug/l	98
20) Methylene Chloride	5.271	84	41628	19.564	ug/l	93
21) trans-1,2-Dichloroethene	5.794	96	38678	19.952	ug/l	98
22) Diisopropyl ether	6.665	45	131911	19.845	ug/l	97
23) Vinyl Acetate	6.600	43	479948	97.350	ug/l	98
24) 1,1-Dichloroethane	6.571	63	75046	20.189	ug/l	100
25) 2-Butanone	7.482	43	139938	98.156	ug/l	100
26) 2,2-Dichloropropane	7.494	77	65602	19.573	ug/l	99
27) cis-1,2-Dichloroethene	7.488	96	44983	19.202	ug/l	99
28) Bromochloromethane	7.812	49	34800	20.982	ug/l	99
29) Tetrahydrofuran	7.841	42	86917	98.791	ug/l	99
30) Chloroform	7.959	83	79579	20.610	ug/l	88
31) Cyclohexane	8.259	56	65990	18.284	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	69786	20.124	ug/l	98
36) 1,1-Dichloropropene	8.371	75	52871	19.545	ug/l	99
37) Ethyl Acetate	7.559	43	54681	19.703	ug/l	99
38) Carbon Tetrachloride	8.359	117	59508	20.054	ug/l	97
39) Methylcyclohexane	9.600	83	57135	18.977	ug/l	97
40) Benzene	8.606	78	169934	20.163	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100324\
Data File : VN084286.D
Acq On : 03 Oct 2024 10:05
Operator : JC\MD
Sample : VN1003WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 04 01:29:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1003WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/04/2024
Supervised By :Mahesh Dadoda 10/04/2024

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.777	41	30342	20.139 ug/l		98
42) 1,2-Dichloroethane	8.671	62	58375	20.430 ug/l		99
43) Isopropyl Acetate	8.688	43	90050	16.566 ug/l		99
44) Trichloroethene	9.353	130	39275	19.952 ug/l		98
45) 1,2-Dichloropropane	9.618	63	40482	20.304 ug/l		90
46) Dibromomethane	9.706	93	29128	21.649 ug/l		100
47) Bromodichloromethane	9.882	83	62105	20.776 ug/l	#	98
48) Methyl methacrylate	9.682	41	43156	19.944 ug/l		98
49) 1,4-Dioxane	9.694	88	15977	401.063 ug/l		98
51) 4-Methyl-2-Pentanone	10.447	43	275703	104.359 ug/l		100
52) Toluene	10.629	92	104206	20.275 ug/l		99
53) t-1,3-Dichloropropene	10.835	75	59860	19.645 ug/l		98
54) cis-1,3-Dichloropropene	10.312	75	66153	20.184 ug/l		97
55) 1,1,2-Trichloroethane	11.018	97	39141	21.244 ug/l		93
56) Ethyl methacrylate	10.870	69	58544	19.311 ug/l		97
57) 1,3-Dichloropropane	11.165	76	66842	20.303 ug/l		98
58) 2-Chloroethyl Vinyl ether	10.159	63	137654	97.878 ug/l		98
59) 2-Hexanone	11.194	43	202204	102.404 ug/l		98
60) Dibromochloromethane	11.359	129	44640	20.506 ug/l		97
61) 1,2-Dibromoethane	11.470	107	38918	20.328 ug/l		99
64) Tetrachloroethene	11.100	164	35391	20.156 ug/l		94
65) Chlorobenzene	11.894	112	109976	19.676 ug/l		91
66) 1,1,1,2-Tetrachloroethane	11.959	131	38431	19.962 ug/l		99
67) Ethyl Benzene	11.959	91	188894	19.109 ug/l		98
68) m/p-Xylenes	12.070	106	146376	40.032 ug/l		100
69) o-Xylene	12.400	106	69553	20.105 ug/l		100
70) Styrene	12.412	104	120069	20.491 ug/l		98
71) Bromoform	12.576	173	29374	20.724 ug/l	#	100
73) Isopropylbenzene	12.694	105	175830	19.261 ug/l		100
74) N-amyl acetate	12.494	43	78313	18.944 ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.935	83	55997	20.399 ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	48032m	19.667 ug/l		
77) Bromobenzene	12.982	156	42701	19.392 ug/l		99
78) n-propylbenzene	13.035	91	212999	20.138 ug/l		99
79) 2-Chlorotoluene	13.123	91	130433	19.326 ug/l		98
80) 1,3,5-Trimethylbenzene	13.170	105	152396	20.465 ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	18144	17.811 ug/l		89
82) 4-Chlorotoluene	13.217	91	135472	19.939 ug/l		99
83) tert-Butylbenzene	13.435	119	128099	19.354 ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	152506	20.330 ug/l		100
85) sec-Butylbenzene	13.617	105	176605	19.996 ug/l		100
86) p-Isopropyltoluene	13.729	119	145368	19.904 ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	80246	19.425 ug/l		99
88) 1,4-Dichlorobenzene	13.811	146	80561	19.311 ug/l		99
89) n-Butylbenzene	14.053	91	122113	18.439 ug/l		99
90) Hexachloroethane	14.335	117	29500	19.900 ug/l		99
91) 1,2-Dichlorobenzene	14.106	146	77393	19.106 ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	11229	19.823 ug/l		93
93) 1,2,4-Trichlorobenzene	15.388	180	35283	17.684 ug/l		99
94) Hexachlorobutadiene	15.500	225	17527	17.616 ug/l		97
95) Naphthalene	15.641	128	105992	16.025 ug/l		99
96) 1,2,3-Trichlorobenzene	15.841	180	36046	18.049 ug/l		97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100324\
Data File : VN084286.D
Acq On : 03 Oct 2024 10:05
Operator : JC\MD
Sample : VN1003WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 04 01:29:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1003WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/04/2024
Supervised By :Mahesh Dadoda 10/04/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

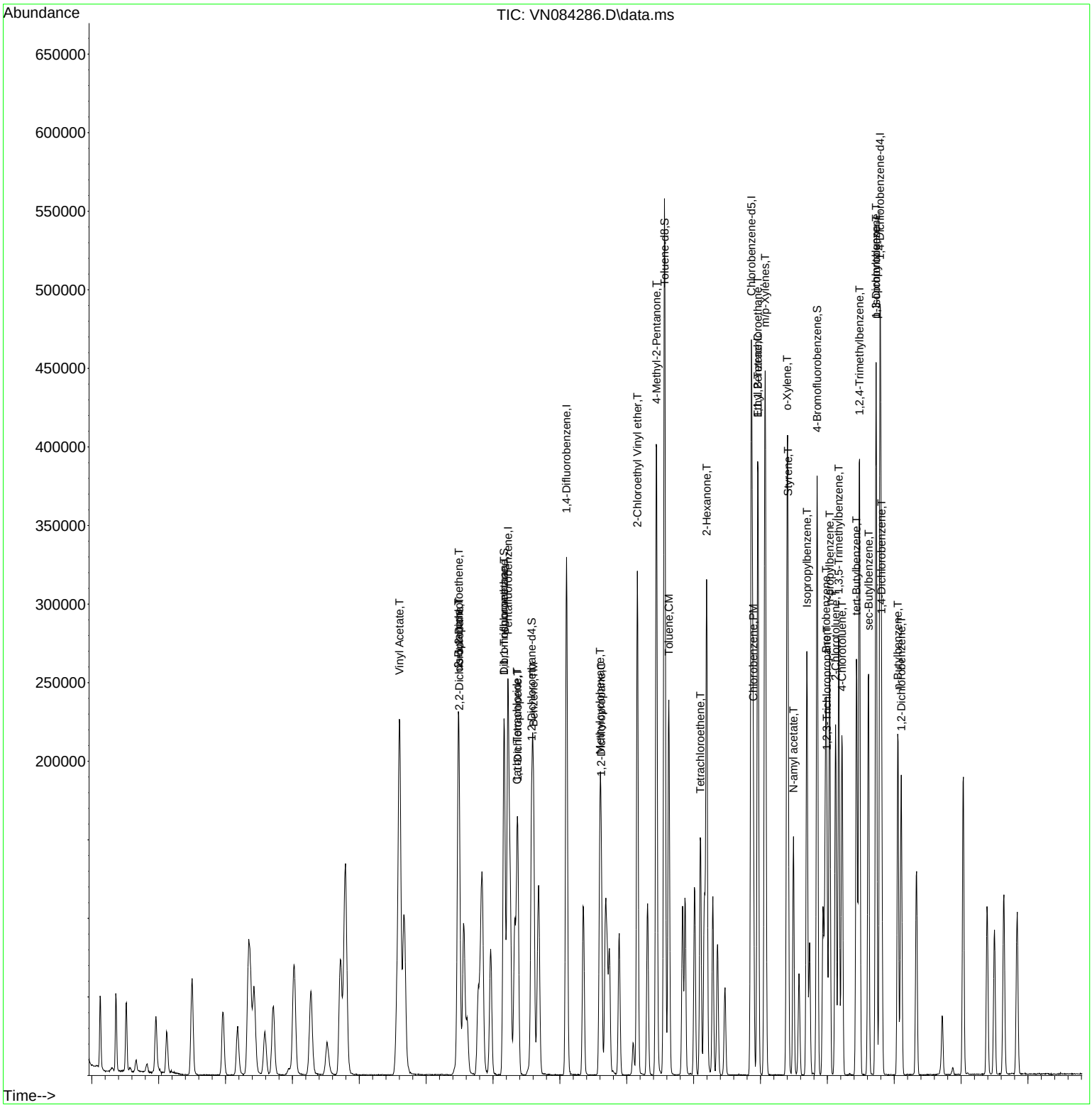
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100324\
Data File : VN084286.D
Acq On : 03 Oct 2024 10:05
Operator : JC\MD
Sample : VN1003WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 04 01:29:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1003WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/04/2024
Supervised By :Mahesh Dadoda 10/04/2024



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100324\
Data File : VN084287.D
Acq On : 03 Oct 2024 10:40
Operator : JC\MD
Sample : VN1003WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 04 01:30:27 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1003WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/04/2024
Supervised By :Mahesh Dadoda 10/04/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	156141	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	268205	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	240791	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	117079	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	126965	54.843	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.680%			
35) Dibromofluoromethane	8.165	113	97332	55.047	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 110.100%			
50) Toluene-d8	10.565	98	356552	54.809	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 109.620%			
62) 4-Bromofluorobenzene	12.847	95	129600	54.685	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 109.360%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.130	85	36360	19.687	ug/l	94
3) Chloromethane	2.365	50	40309	19.114	ug/l	97
4) Vinyl Chloride	2.518	62	40198	19.679	ug/l	97
5) Bromomethane	2.965	94	25935	19.248	ug/l	97
6) Chloroethane	3.124	64	27671	18.915	ug/l	95
7) Trichlorofluoromethane	3.500	101	62722	19.718	ug/l	100
8) Diethyl Ether	3.965	74	22765	19.297	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.377	101	38730	21.250	ug/l	97
10) Methyl Iodide	4.589	142	47462	20.221	ug/l	95
11) Tert butyl alcohol	5.518	59	35686	93.483	ug/l	99
12) 1,1-Dichloroethene	4.342	96	34247	19.480	ug/l	98
13) Acrolein	4.183	56	38359	87.529	ug/l	100
14) Allyl chloride	5.024	41	55508	18.180	ug/l	98
15) Acrylonitrile	5.718	53	100479	104.232	ug/l	97
16) Acetone	4.430	43	93734	94.251	ug/l	99
17) Carbon Disulfide	4.718	76	99830	17.935	ug/l	100
18) Methyl Acetate	5.030	43	45251	20.876	ug/l	100
19) Methyl tert-butyl Ether	5.794	73	122104	20.578	ug/l	100
20) Methylene Chloride	5.271	84	41574	20.565	ug/l	86
21) trans-1,2-Dichloroethene	5.789	96	36911	20.040	ug/l	99
22) Diisopropyl ether	6.671	45	132716	21.015	ug/l	97
23) Vinyl Acetate	6.606	43	494150	105.494	ug/l	99
24) 1,1-Dichloroethane	6.571	63	72893	20.639	ug/l	99
25) 2-Butanone	7.483	43	135725	100.200	ug/l	98
26) 2,2-Dichloropropane	7.488	77	60055	18.859	ug/l	96
27) cis-1,2-Dichloroethene	7.483	96	44504	19.996	ug/l	99
28) Bromochloromethane	7.812	49	36194	22.969	ug/l	99
29) Tetrahydrofuran	7.841	42	86041	102.931	ug/l	99
30) Chloroform	7.965	83	76104	20.745	ug/l	98
31) Cyclohexane	8.259	56	63688	18.573	ug/l	98
32) 1,1,1-Trichloroethane	8.171	97	66380	20.147	ug/l	95
36) 1,1-Dichloropropene	8.371	75	49686	19.346	ug/l	99
37) Ethyl Acetate	7.565	43	52477	19.916	ug/l	98
38) Carbon Tetrachloride	8.359	117	57204	20.304	ug/l	97
39) Methylcyclohexane	9.600	83	55154	19.295	ug/l	99
40) Benzene	8.606	78	166211	20.771	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100324\
Data File : VN084287.D
Acq On : 03 Oct 2024 10:40
Operator : JC\MD
Sample : VN1003WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 04 01:30:27 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1003WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/04/2024
Supervised By :Mahesh Dadoda 10/04/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.783	41	29683	20.751	ug/l		98
42) 1,2-Dichloroethane	8.671	62	58993	21.746	ug/l		99
43) Isopropyl Acetate	8.688	43	88817	17.209	ug/l		98
44) Trichloroethene	9.353	130	37201	19.905	ug/l		93
45) 1,2-Dichloropropane	9.618	63	40803	21.555	ug/l		96
46) Dibromomethane	9.706	93	29220	22.874	ug/l		98
47) Bromodichloromethane	9.888	83	60940	21.472	ug/l		99
48) Methyl methacrylate	9.682	41	42304	20.591	ug/l		98
49) 1,4-Dioxane	9.694	88	16004	423.134	ug/l		96
51) 4-Methyl-2-Pentanone	10.441	43	270510	107.846	ug/l		100
52) Toluene	10.629	92	100302	20.555	ug/l		97
53) t-1,3-Dichloropropene	10.835	75	58839	20.338	ug/l		98
54) cis-1,3-Dichloropropene	10.312	75	64371	20.686	ug/l		94
55) 1,1,2-Trichloroethane	11.018	97	39008	22.299	ug/l		96
56) Ethyl methacrylate	10.871	69	59987	20.840	ug/l		98
57) 1,3-Dichloropropane	11.165	76	66561	21.294	ug/l		98
58) 2-Chloroethyl Vinyl ether	10.159	63	139786	104.687	ug/l		100
59) 2-Hexanone	11.194	43	198433	105.845	ug/l		98
60) Dibromochloromethane	11.359	129	45813	22.165	ug/l		98
61) 1,2-Dibromoethane	11.471	107	38918	21.411	ug/l		99
64) Tetrachloroethene	11.100	164	34099	20.332	ug/l		94
65) Chlorobenzene	11.894	112	108952	20.407	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.959	131	38392	20.877	ug/l		97
67) Ethyl Benzene	11.965	91	183902	19.478	ug/l		100
68) m/p-Xylenes	12.070	106	144563	41.392	ug/l		98
69) o-Xylene	12.394	106	66715	20.190	ug/l		99
70) Styrene	12.412	104	115957	20.718	ug/l		99
71) Bromoform	12.576	173	29230	21.590	ug/l	#	96
73) Isopropylbenzene	12.694	105	170131	19.043	ug/l		100
74) N-amyl acetate	12.494	43	76380	18.879	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.935	83	53725	19.999	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	46336m	19.386	ug/l		
77) Bromobenzene	12.976	156	42326	19.640	ug/l		99
78) n-propylbenzene	13.035	91	205979	19.899	ug/l		99
79) 2-Chlorotoluene	13.123	91	128715	19.487	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	146969	20.167	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	18636	18.693	ug/l		97
82) 4-Chlorotoluene	13.217	91	133150	20.025	ug/l		99
83) tert-Butylbenzene	13.435	119	124662	19.246	ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	149658	20.385	ug/l		100
85) sec-Butylbenzene	13.617	105	172092	19.910	ug/l		99
86) p-Isopropyltoluene	13.729	119	141757	19.833	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	79774	19.732	ug/l		100
88) 1,4-Dichlorobenzene	13.812	146	79022	19.355	ug/l		99
89) n-Butylbenzene	14.059	91	121728	18.782	ug/l		99
90) Hexachloroethane	14.335	117	27869	19.209	ug/l		100
91) 1,2-Dichlorobenzene	14.106	146	77582	19.571	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	10820	19.518	ug/l		94
93) 1,2,4-Trichlorobenzene	15.394	180	36612	18.751	ug/l		98
94) Hexachlorobutadiene	15.500	225	16640	17.089	ug/l		99
95) Naphthalene	15.641	128	107461	16.601	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	36465	18.657	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100324\
Data File : VN084287.D
Acq On : 03 Oct 2024 10:40
Operator : JC\MD
Sample : VN1003WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 04 01:30:27 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1003WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/04/2024
Supervised By :Mahesh Dadoda 10/04/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

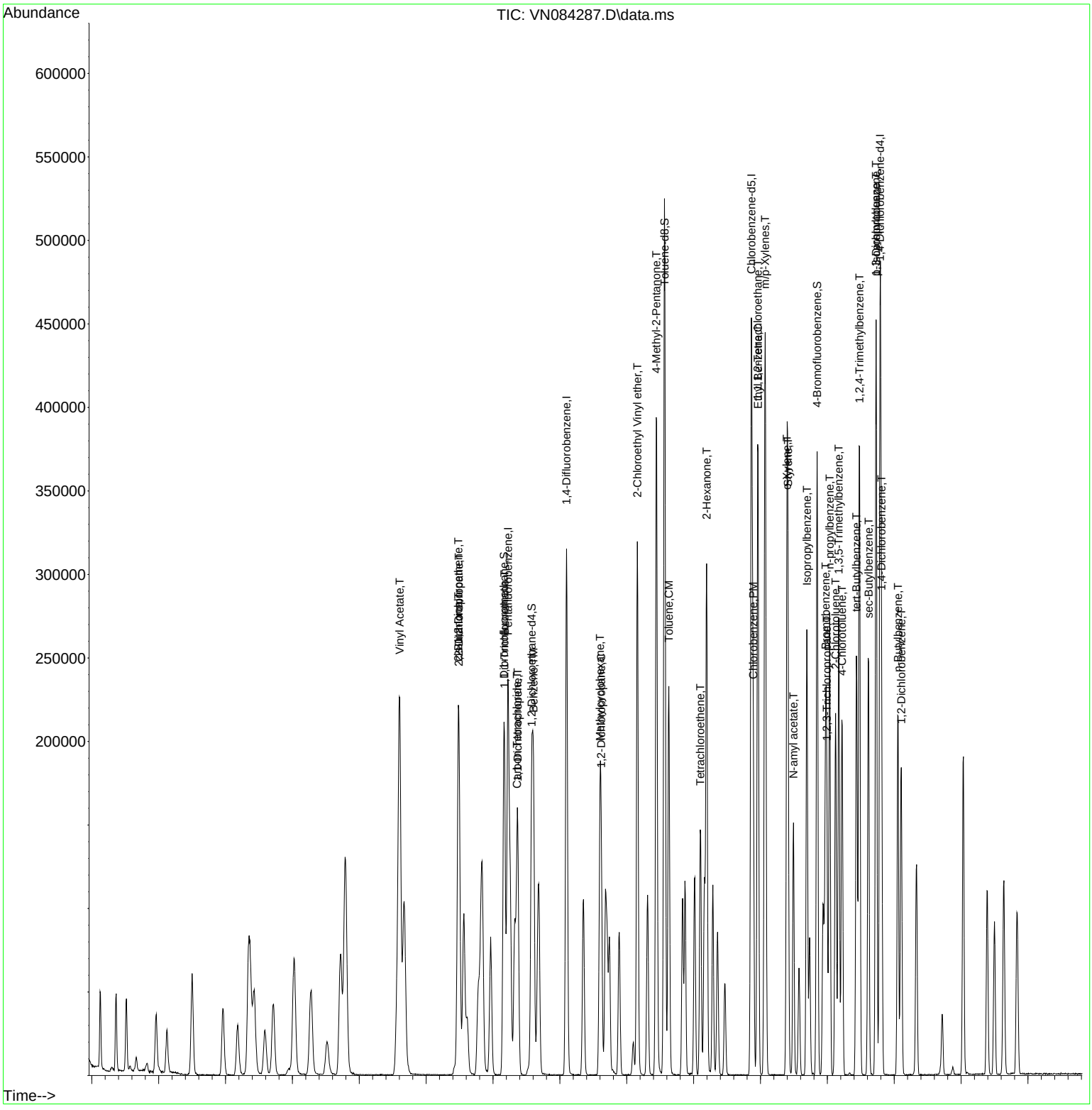
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100324\
Data File : VN084287.D
Acq On : 03 Oct 2024 10:40
Operator : JC\MD
Sample : VN1003WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 04 01:30:27 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1003WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/04/2024
Supervised By :Mahesh Dadoda 10/04/2024



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

Manual Integration Report

Sequence:	vn093024	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC100	VN084213.D	1,2,3-Trichloropropane	JOHN	10/1/2024 9:36:48 AM	MMDadoda	10/1/2024 5:34:17 PM	Peak Integrated by Software
VSTDICCC050	VN084214.D	1,2,3-Trichloropropane	JOHN	10/1/2024 9:36:52 AM	MMDadoda	10/1/2024 5:34:19 PM	Peak Integrated by Software
VSTDICC020	VN084215.D	1,2,3-Trichloropropane	JOHN	10/1/2024 9:36:57 AM	MMDadoda	10/1/2024 5:34:21 PM	Peak Integrated by Software
VSTDICC010	VN084216.D	1,2,3-Trichloropropane	JOHN	10/1/2024 9:37:06 AM	MMDadoda	10/1/2024 5:34:22 PM	Peak Integrated by Software
VSTDICC005	VN084217.D	1,1,2-Trichlorotrifluoroethane	JOHN	10/1/2024 9:37:11 AM	MMDadoda	10/1/2024 5:34:24 PM	Peak Integrated by Software
VSTDICC005	VN084217.D	1,2,3-Trichloropropane	JOHN	10/1/2024 9:37:11 AM	MMDadoda	10/1/2024 5:34:24 PM	Peak Integrated by Software
VSTDICC005	VN084217.D	Isopropyl Acetate	JOHN	10/1/2024 9:37:11 AM	MMDadoda	10/1/2024 5:34:24 PM	Peak Integrated by Software
VSTDICC005	VN084217.D	trans-1,2-Dichloroethene	JOHN	10/1/2024 9:37:11 AM	MMDadoda	10/1/2024 5:34:24 PM	Peak Integrated by Software
VSTDICC005	VN084217.D	Vinyl Acetate	JOHN	10/1/2024 9:37:11 AM	MMDadoda	10/1/2024 5:34:24 PM	Peak Integrated by Software
VSTDICC001	VN084218.D	1,2,3-Trichloropropane	JOHN	10/1/2024 9:37:57 AM	MMDadoda	10/1/2024 5:34:25 PM	Peak Integrated by Software
VSTDICC001	VN084218.D	1,4-Dichlorobenzene	JOHN	10/1/2024 9:37:57 AM	MMDadoda	10/1/2024 5:34:25 PM	Peak Integrated by Software
VSTDICC001	VN084218.D	Allyl chloride	JOHN	10/1/2024 9:37:57 AM	MMDadoda	10/1/2024 5:34:25 PM	Peak Integrated by Software
VSTDICC001	VN084218.D	Isopropyl Acetate	JOHN	10/1/2024 9:37:57 AM	MMDadoda	10/1/2024 5:34:25 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	vn093024	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VN084218.D	Vinyl Acetate	JOHN	10/1/2024 9:37:57 AM	MMDadoda	10/1/2024 5:34:25 PM	Peak Integrated by Software
VSTDICV050	VN084220.D	1,2,3-Trichloropropane	JOHN	10/1/2024 9:38:01 AM	MMDadoda	10/1/2024 5:34:27 PM	Peak Integrated by Software
VSTDCCC050	VN084229.D	1,2,3-Trichloropropane	JOHN	10/1/2024 9:38:17 AM	MMDadoda	10/1/2024 5:34:32 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VN100324	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN084283.D	1,2,3-Trichloropropane	JOHN	10/4/2024 9:46:46 AM	MMDadoda	10/4/2024 10:15:55 AM	Peak Integrated by Software
VSTDCCC050	VN084283.D	trans-1,4-Dichloro-2-but ene	JOHN	10/4/2024 9:46:46 AM	MMDadoda	10/4/2024 10:15:55 AM	Peak Integrated by Software
VN1003WBS01	VN084286.D	1,2,3-Trichloropropane	JOHN	10/4/2024 9:46:50 AM	MMDadoda	10/4/2024 10:15:56 AM	Peak Integrated by Software
VN1003WBSD0 1	VN084287.D	1,2,3-Trichloropropane	JOHN	10/4/2024 9:46:55 AM	MMDadoda	10/4/2024 10:15:57 AM	Peak Integrated by Software
P4258-04	VN084304.D	Isopropyl Acetate	JOHN	10/4/2024 9:48:30 AM	MMDadoda	10/4/2024 10:16:05 AM	Peak Integrated by Software
VSTDCCC050	VN084305.D	1,2,3-Trichloropropane	JOHN	10/4/2024 9:48:35 AM	MMDadoda	10/4/2024 10:16:05 AM	Peak Integrated by Software

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Fax : 908 789 8922

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN093024

Review By	John Carlone	Review On	10/1/2024 9:40:01 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/1/2024 5:34:39 PM		
SubDirectory	VN093024	HP Acquire Method		HP Processing Method	82N093024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP130570
Initial Calibration Stds	VP130580,VP130582,VP130583,VP130584,VP130585,VP130586
CCC	VP130571,VP130572
Internal Standard/PEM	
ICV/I.BLK	VP130587
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN084211.D	30 Sep 2024 09:24	JC\MD	Ok
2	VSTDCCC050	VN084212.D	30 Sep 2024 11:45	JC\MD	Not Ok
3	VSTDICC100	VN084213.D	30 Sep 2024 12:25	JC\MD	Ok,M
4	VSTDICCC050	VN084214.D	30 Sep 2024 12:49	JC\MD	Ok,M
5	VSTDICC020	VN084215.D	30 Sep 2024 13:13	JC\MD	Ok,M
6	VSTDICC010	VN084216.D	30 Sep 2024 13:37	JC\MD	Ok,M
7	VSTDICC005	VN084217.D	30 Sep 2024 14:00	JC\MD	Ok,M
8	VSTDICC001	VN084218.D	30 Sep 2024 14:48	JC\MD	Ok,M
9	IBLK	VN084219.D	30 Sep 2024 15:12	JC\MD	Ok
10	VSTDICV050	VN084220.D	30 Sep 2024 15:36	JC\MD	Ok,M
11	VN0930MBL01	VN084221.D	30 Sep 2024 16:11	JC\MD	Ok
12	VN0930WBL01	VN084222.D	30 Sep 2024 16:35	JC\MD	Ok
13	VN0930WBS01	VN084223.D	30 Sep 2024 17:42	JC\MD	Ok,M
14	VN0930WBSD01	VN084224.D	30 Sep 2024 18:06	JC\MD	Ok,M
15	P4116-24	VN084225.D	30 Sep 2024 18:30	JC\MD	Dilution
16	P4116-25	VN084226.D	30 Sep 2024 18:54	JC\MD	Dilution
17	P4116-26	VN084227.D	30 Sep 2024 19:18	JC\MD	Dilution
18	P4116-27	VN084228.D	30 Sep 2024 19:42	JC\MD	Dilution
19	VSTDCCC050	VN084229.D	30 Sep 2024 20:06	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN100324

Review By	John Carlone	Review On	10/4/2024 9:52:33 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/4/2024 10:16:10 AM		
SubDirectory	VN100324	HP Acquire Method		HP Processing Method	82N093024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP130658
Initial Calibration Stds	
CCC	VP130659,VP130660
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN084282.D	03 Oct 2024 08:20	JC\MD	Ok
2	VSTDCCC050	VN084283.D	03 Oct 2024 08:43	JC\MD	Ok,M
3	VN1003MBL01	VN084284.D	03 Oct 2024 09:18	JC\MD	Ok
4	VN1003WBL01	VN084285.D	03 Oct 2024 09:42	JC\MD	Ok
5	VN1003WBS01	VN084286.D	03 Oct 2024 10:05	JC\MD	Ok,M
6	VN1003WBSD01	VN084287.D	03 Oct 2024 10:40	JC\MD	Ok,M
7	P4226-09DL	VN084288.D	03 Oct 2024 11:04	JC\MD	Ok
8	P4226-13DL	VN084289.D	03 Oct 2024 11:28	JC\MD	Ok
9	P4226-14	VN084290.D	03 Oct 2024 11:52	JC\MD	Ok
10	P4226-15	VN084291.D	03 Oct 2024 12:16	JC\MD	Ok
11	P4226-29	VN084292.D	03 Oct 2024 12:40	JC\MD	Ok
12	P4226-19	VN084293.D	03 Oct 2024 13:04	JC\MD	Ok
13	P4226-20	VN084294.D	03 Oct 2024 13:28	JC\MD	Ok
14	P4226-27	VN084295.D	03 Oct 2024 13:52	JC\MD	Ok
15	P4226-28	VN084296.D	03 Oct 2024 14:16	JC\MD	Ok
16	P4226-23	VN084297.D	03 Oct 2024 14:39	JC\MD	Dilution
17	P4226-24MS	VN084298.D	03 Oct 2024 15:03	JC\MD	Ok,M
18	P4226-25MSD	VN084299.D	03 Oct 2024 15:27	JC\MD	Ok,M
19	IBLK	VN084300.D	03 Oct 2024 15:51	JC\MD	Ok
20	IBLK	VN084301.D	03 Oct 2024 16:15	JC\MD	Ok
21	P4226-23DL	VN084302.D	03 Oct 2024 16:39	JC\MD	Ok

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN100324

Review By	John Carlone	Review On	10/4/2024 9:52:33 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/4/2024 10:16:10 AM		
SubDirectory	VN100324	HP Acquire Method		HP Processing Method	82N093024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP130658
Initial Calibration Stds	
CCC	VP130659,VP130660
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4285-03	VN084303.D	03 Oct 2024 17:03	JC\MD	Not Ok
23	P4258-04	VN084304.D	03 Oct 2024 17:27	JC\MD	Ok,M
24	VSTDCCC050	VN084305.D	03 Oct 2024 17:51	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN093024

Review By	John Carlone	Review On	10/1/2024 9:40:01 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/1/2024 5:34:39 PM		
SubDirectory	VN093024	HP Acquire Method		HP Processing Method	82N093024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP130570
Initial Calibration Stds	VP130580,VP130582,VP130583,VP130584,VP130585,VP130586
CCC	VP130571,VP130572
Internal Standard/PEM	
ICV/I.BLK	VP130587
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN084211.D	30 Sep 2024 09:24		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN084212.D	30 Sep 2024 11:45	Need ICAL	JC\MD	Not Ok
3	VSTDICC100	VSTDICC100	VN084213.D	30 Sep 2024 12:25		JC\MD	Ok,M
4	VSTDICCC050	VSTDICCC050	VN084214.D	30 Sep 2024 12:49		JC\MD	Ok,M
5	VSTDICC020	VSTDICC020	VN084215.D	30 Sep 2024 13:13		JC\MD	Ok,M
6	VSTDICC010	VSTDICC010	VN084216.D	30 Sep 2024 13:37		JC\MD	Ok,M
7	VSTDICC005	VSTDICC005	VN084217.D	30 Sep 2024 14:00		JC\MD	Ok,M
8	VSTDICC001	VSTDICC001	VN084218.D	30 Sep 2024 14:48		JC\MD	Ok,M
9	IBLK	IBLK	VN084219.D	30 Sep 2024 15:12		JC\MD	Ok
10	VSTDICV050	ICVVN093024	VN084220.D	30 Sep 2024 15:36		JC\MD	Ok,M
11	VN0930MBL01	VN0930MBL01	VN084221.D	30 Sep 2024 16:11		JC\MD	Ok
12	VN0930WBL01	VN0930WBL01	VN084222.D	30 Sep 2024 16:35		JC\MD	Ok
13	VN0930WBS01	VN0930WBS01	VN084223.D	30 Sep 2024 17:42		JC\MD	Ok,M
14	VN0930WBSD01	VN0930WBSD01	VN084224.D	30 Sep 2024 18:06		JC\MD	Ok,M
15	P4116-24	RE132D5-20240918	VN084225.D	30 Sep 2024 18:30	vial A pH<2 Need 2x	JC\MD	Dilution
16	P4116-25	RE132D6-20240918	VN084226.D	30 Sep 2024 18:54	vial A pH<2 Need 40X	JC\MD	Dilution
17	P4116-26	RE132D7-20240918	VN084227.D	30 Sep 2024 19:18	vial A pH<2 Need 40X	JC\MD	Dilution
18	P4116-27	DUP05-20240918	VN084228.D	30 Sep 2024 19:42	vial A pH<2 Need 2x	JC\MD	Dilution

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN093024

Review By	John Carlone	Review On	10/1/2024 9:40:01 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/1/2024 5:34:39 PM		
SubDirectory	VN093024	HP Acquire Method		HP Processing Method	82N093024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP130570
Initial Calibration Stds	VP130580,VP130582,VP130583,VP130584,VP130585,VP130586
CCC	VP130571,VP130572
Internal Standard/PEM	
ICV/I.BLK	VP130587
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	VSTDCCC050	VSTDCCC050EC	VN084229.D	30 Sep 2024 20:06		JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN100324

Review By	John Carlone	Review On	10/4/2024 9:52:33 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/4/2024 10:16:10 AM		
SubDirectory	VN100324	HP Acquire Method		HP Processing Method	82N093024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP130658
Initial Calibration Stds	
CCC	VP130659,VP130660
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN084282.D	03 Oct 2024 08:20		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN084283.D	03 Oct 2024 08:43	V13516	JC\MD	Ok,M
3	VN1003MBL01	VN1003MBL01	VN084284.D	03 Oct 2024 09:18		JC\MD	Ok
4	VN1003WBL01	VN1003WBL01	VN084285.D	03 Oct 2024 09:42		JC\MD	Ok
5	VN1003WBS01	VN1003WBS01	VN084286.D	03 Oct 2024 10:05		JC\MD	Ok,M
6	VN1003WBSD01	VN1003WBSD01	VN084287.D	03 Oct 2024 10:40		JC\MD	Ok,M
7	P4226-09DL	DUP07-20240924DL	VN084288.D	03 Oct 2024 11:04	vial B pH<2	JC\MD	Ok
8	P4226-13DL	TT101D2-20240925DL	VN084289.D	03 Oct 2024 11:28	vial B pH<2	JC\MD	Ok
9	P4226-14	TT205S1-20240925	VN084290.D	03 Oct 2024 11:52	vial B pH<2	JC\MD	Ok
10	P4226-15	RW9-MW-01S-2024092	VN084291.D	03 Oct 2024 12:16	vial B pH<2	JC\MD	Ok
11	P4226-29	TB	VN084292.D	03 Oct 2024 12:40	vial A pH<2 TB	JC\MD	Ok
12	P4226-19	DUP09-20240925	VN084293.D	03 Oct 2024 13:04	vial A pH<2	JC\MD	Ok
13	P4226-20	DUP10-20240925	VN084294.D	03 Oct 2024 13:28	vial A pH<2	JC\MD	Ok
14	P4226-27	BPOW6-9-20240927	VN084295.D	03 Oct 2024 13:52	vial A pH<2	JC\MD	Ok
15	P4226-28	BPOW6-10-20240927	VN084296.D	03 Oct 2024 14:16	vial A pH<2	JC\MD	Ok
16	P4226-23	RW4-20240927	VN084297.D	03 Oct 2024 14:39	vial A pH<2 Need 10X	JC\MD	Dilution
17	P4226-24MS	RW4-20240927MS	VN084298.D	03 Oct 2024 15:03	vial A pH<2	JC\MD	Ok,M
18	P4226-25MSD	RW4-20240927MSD	VN084299.D	03 Oct 2024 15:27	vial A pH<2	JC\MD	Ok,M

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN100324

Review By	John Carlone	Review On	10/4/2024 9:52:33 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/4/2024 10:16:10 AM		
SubDirectory	VN100324	HP Acquire Method		HP Processing Method	82N093024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP130658
Initial Calibration Stds	
CCC	VP130659,VP130660
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	IBLK	IBLK	VN084300.D	03 Oct 2024 15:51		JC\MD	Ok
20	IBLK	IBLK	VN084301.D	03 Oct 2024 16:15		JC\MD	Ok
21	P4226-23DL	RW4-20240927DL	VN084302.D	03 Oct 2024 16:39	vial B pH<2	JC\MD	Ok
22	P4285-03	WATER-TOTES	VN084303.D	03 Oct 2024 17:03	vial A pH<2 Need 10X	JC\MD	Not Ok
23	P4258-04	Chamberlain Ave	VN084304.D	03 Oct 2024 17:27	vial A pH#5.0	JC\MD	Ok,M
24	VSTDCCC050	VSTDCCC050EC	VN084305.D	03 Oct 2024 17:51		JC\MD	Ok,M

M : Manual Integration

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LAB CHRONICLE

OrderID:	P4258	**OrderDate:**	10/1/2024 1:21:00 PM
Client:	Roman E&G Corp	**Project:**	Perth Amboy
Contact:	Mark Mattheiss	**Location:**	H11,H51

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4258-03	**Chamberlain Ave**	**SOIL**			**10/01/24**			**10/01/24**
			VOC-TCLVOA-10	8260D			10/02/24	
P4258-03RE	**Chamberlain AveRE**	**SOIL**			**10/01/24**			**10/01/24**
			VOC-TCLVOA-10	8260D			10/03/24	
P4258-04	**Chamberlain Ave**	**TCLP**			**10/01/24**			**10/01/24**
			TCLP VOA	8260D			10/03/24	

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TCLP EXTRACTION LOGPAGE

PB163826

SOP ID : M1311-TCLP-14

SDG No : N/A

Weigh By : JP

Balance ID : WC SC-4

pH Meter ID : WC PH METER-1

Extraction By : JP

Filter By : JP

Pippete ID : WC

Tumbler ID : ZHE-1

TCLP Filter ID : 50223706

Start Prep Date : 10/01/2024 **Time :** 15:30

End Prep Date : 10/02/2024 **Time :** 08:45

Combination Ratio : 20

ZHE Cleaning Batch : ~~N/A~~ JP VX100224

Initial Room Temperature: 23 °C

Final Room Temperature: 21 °C

TCLP Technician Signature : JP

Supervisor By : IR

Standared Name	MLS USED	STD REF. # FROM LOG
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE U	Lot Number
TCLP-FLUID-1	N/A	WP108622
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
40ml VOA Vials	22437	N/A

Extraction Conformance/Non-Conformance Comments:

ALL ZHE samples are extracted and given as vial A & B. Leak checked after 10 mintues of tumbling. Tumbler ZHE-1 checked,30 rpm.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/02/24 10:00	JP ITC20 Room	VOC LAB
	Preparation Group	Analysis Group

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TCLP EXTRACTION LOGPAGE

PB163826

Sample ID	ClientID	ZHE Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
P4232-04	TP-R	01	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
P4236-04	TP4	02	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
P4236-08	TP3	03	25.01	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
P4236-12	TP1	04	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
P4236-16	TP2	05	25.04	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
P4242-04	TP-Q	06	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
P4254-04	MH-147-SLUDGE	07	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
P4258-04	Chamberlain Ave	08	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
PB163826TB	LEB826	09	N/A	500	N/A	N/A	N/A	4.93	N/A	ZHE-1

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
P4232-04	TP-R	N/A	N/A	N/A	N/A	100	N/A
P4236-04	TP4	N/A	N/A	N/A	N/A	100	N/A
P4236-08	TP3	N/A	N/A	N/A	N/A	100	N/A
P4236-12	TP1	N/A	N/A	N/A	N/A	100	N/A
P4236-16	TP2	N/A	N/A	N/A	N/A	100	N/A
P4242-04	TP-Q	N/A	N/A	N/A	N/A	100	N/A
P4254-04	MH-147-SLUDGE	N/A	N/A	N/A	N/A	100	N/A
P4258-04	Chamberlain Ave	N/A	N/A	N/A	N/A	100	N/A
PB163826TB	LEB826	N/A	N/A	N/A	N/A	N/A	N/A

WORKLIST(Hardcopy Internal Chain)

WorkList Name : tclp zhe p4236 **WorkList ID :** 183991 **Department :** TCLP Extraction **Date :** 10-01-2024 10:09:56

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4232-04	TP-R	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	J51	09/30/2024	1311 ZHE
P4236-04	TP4	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	J53	09/30/2024	1311 ZHE
P4236-08	TP3	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	J53	09/30/2024	1311 ZHE
P4236-12	TP1	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	J53	09/30/2024	1311 ZHE
P4236-16	TP2	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	J53	09/30/2024	1311 ZHE
P4242-04	TP-Q	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	J51	10/01/2024	1311 ZHE
P4254-04	MH-147-SLUDGE	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	J51	10/01/2024	1311 ZHE
P4258-04	Chamberlain Ave	Solid	TCLP ZHE Extraction	Cool 4 deg C	ROMA02	H11	10/01/2024	1311 ZHE

Date/Time 10/01/24 14:30
Raw Sample Received by: JD WC
Raw Sample Relinquished by: JT Cruz

Date/Time 10/01/24 16:30
Raw Sample Received by: JT Cruz
Raw Sample Relinquished by: JD WC

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Hit Summary Sheet
SW-846

SDG No.: P4258

Client: Roman E&G Corp

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID :	**Chamberlain Ave**								
P4258-03	Chamberlain Ave	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	180.000	AB	0	0	ug/Kg
P4258-03	Chamberlain Ave	SOIL	Benzophenone	*	410.000	J	0	0	ug/Kg
P4258-03	Chamberlain Ave	SOIL	Butane, 2-methoxy-2-methyl-	*	2,200.000	JB	0	0	ug/Kg
P4258-03	Chamberlain Ave	SOIL	Heptadecyl trifluoroacetate	*	280.000	J	0	0	ug/Kg
P4258-03	Chamberlain Ave	SOIL	n-Hexadecanoic acid	*	300.000	J	0	0	ug/Kg
			Total Tics :		**3,370.00**				
			Total Concentration:		**3,370.00**				

SAMPLE DATA

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Report of Analysis

Client:	Roman E&G Corp	Date Collected:	10/01/24
Project:	Perth Amboy	Date Received:	10/01/24
Client Sample ID:	Chamberlain Ave	SDG No.:	P4258
Lab Sample ID:	P4258-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	86
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139794.D	1	10/11/24 09:38	10/14/24 17:56	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	210	U	210	380	ug/Kg
108-95-2	Phenol	96.3	U	96.3	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	97.3	U	97.3	200	ug/Kg
95-57-8	2-Chlorophenol	97.0	U	97.0	200	ug/Kg
95-48-7	2-Methylphenol	93.7	U	93.7	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	200	ug/Kg
98-86-2	Acetophenone	100	U	100	200	ug/Kg
65794-96-9	3+4-Methylphenols	92.7	U	92.7	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	46.8	U	46.8	93.0	ug/Kg
67-72-1	Hexachloroethane	96.4	U	96.4	200	ug/Kg
98-95-3	Nitrobenzene	110	U	110	200	ug/Kg
78-59-1	Isophorone	98.3	UQ	98.3	200	ug/Kg
88-75-5	2-Nitrophenol	110	UQ	110	200	ug/Kg
105-67-9	2,4-Dimethylphenol	110	U	110	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	99.7	U	99.7	200	ug/Kg
120-83-2	2,4-Dichlorophenol	87.7	U	87.7	200	ug/Kg
91-20-3	Naphthalene	96.0	U	96.0	200	ug/Kg
106-47-8	4-Chloroaniline	96.0	U	96.0	200	ug/Kg
87-68-3	Hexachlorobutadiene	96.8	U	96.8	200	ug/Kg
105-60-2	Caprolactam	100	U	100	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	90.1	U	90.1	200	ug/Kg
91-57-6	2-Methylnaphthalene	95.9	U	95.9	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	180	UQ	180	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	83.0	U	83.0	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	86.0	U	86.0	200	ug/Kg
92-52-4	1,1-Biphenyl	100	U	100	200	ug/Kg
91-58-7	2-Chloronaphthalene	96.8	U	96.8	200	ug/Kg
88-74-4	2-Nitroaniline	110	UQ	110	200	ug/Kg
131-11-3	Dimethylphthalate	94.9	UQ	94.9	200	ug/Kg

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Report of Analysis

Client:	Roman E&G Corp	Date Collected:	10/01/24
Project:	Perth Amboy	Date Received:	10/01/24
Client Sample ID:	Chamberlain Ave	SDG No.:	P4258
Lab Sample ID:	P4258-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	86
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139794.D	1	10/11/24 09:38	10/14/24 17:56	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	100	U	100	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	96.7	U	96.7	200	ug/Kg
99-09-2	3-Nitroaniline	100	U	100	200	ug/Kg
83-32-9	Acenaphthene	94.2	UQ	94.2	200	ug/Kg
51-28-5	2,4-Dinitrophenol	280	U	280	380	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	380	ug/Kg
132-64-9	Dibenzofuran	98.1	U	98.1	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	100	UQ	100	200	ug/Kg
84-66-2	Diethylphthalate	93.1	U	93.1	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	99.5	U	99.5	200	ug/Kg
86-73-7	Fluorene	99.4	U	99.4	200	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	140	UQ	140	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	94.8	UQ	94.8	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	91.7	U	91.7	200	ug/Kg
118-74-1	Hexachlorobenzene	98.8	UQ	98.8	200	ug/Kg
1912-24-9	Atrazine	110	U	110	200	ug/Kg
87-86-5	Pentachlorophenol	89.8	U	89.8	380	ug/Kg
85-01-8	Phenanthrene	97.6	U	97.6	200	ug/Kg
120-12-7	Anthracene	98.1	U	98.1	200	ug/Kg
86-74-8	Carbazole	93.3	U	93.3	200	ug/Kg
84-74-2	Di-n-butylphthalate	98.0	U	98.0	200	ug/Kg
206-44-0	Fluoranthene	94.9	U	94.9	200	ug/Kg
129-00-0	Pyrene	96.4	UQ	96.4	200	ug/Kg
85-68-7	Butylbenzylphthalate	110	UQ	110	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	380	ug/Kg
56-55-3	Benzo(a)anthracene	93.8	UQ	93.8	200	ug/Kg
218-01-9	Chrysene	92.4	UQ	92.4	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	200	ug/Kg
117-84-0	Di-n-octyl phthalate	130	U	130	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	94.2	U	94.2	200	ug/Kg

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Report of Analysis

Client:	Roman E&G Corp	Date Collected:	10/01/24
Project:	Perth Amboy	Date Received:	10/01/24
Client Sample ID:	Chamberlain Ave	SDG No.:	P4258
Lab Sample ID:	P4258-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	86
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139794.D	1	10/11/24 09:38	10/14/24 17:56	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	96.0	U	96.0	200	ug/Kg
50-32-8	Benzo(a)pyrene	110	UQ	110	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	90.8	UQ	90.8	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	94.4	U	94.4	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	93.1	U	93.1	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	100	U	100	200	ug/Kg
123-91-1	1,4-Dioxane	130	U	130	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	86.8	U	86.8	200	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	84.3		18 - 112	56%	SPK: 150
13127-88-3	Phenol-d6	82.8		15 - 107	55%	SPK: 150
4165-60-0	Nitrobenzene-d5	53.5		18 - 107	54%	SPK: 100
321-60-8	2-Fluorobiphenyl	53.0		20 - 109	53%	SPK: 100
118-79-6	2,4,6-Tribromophenol	78.3		10 - 116	52%	SPK: 150
1718-51-0	Terphenyl-d14	63.6		10 - 105	64%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	105000	6.863			
1146-65-2	Naphthalene-d8	416000	8.139			
15067-26-2	Acenaphthene-d10	239000	9.898			
1517-22-2	Phenanthrene-d10	453000	11.386			
1719-03-5	Chrysene-d12	213000	14.021			
1520-96-3	Perylene-d12	177000	15.498			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	2200	JB		2.17	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	180	AB		5.08	ug/Kg
000119-61-9	Benzophenone	410	J		10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	300	J		11.9	ug/Kg
1010351-87-0	Heptadecyl trifluoroacetate	280	J		13.9	ug/Kg

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Report of Analysis

Client:	Roman E&G Corp			Date Collected:	10/01/24
Project:	Perth Amboy			Date Received:	10/01/24
Client Sample ID:	Chamberlain Ave			SDG No.:	P4258
Lab Sample ID:	P4258-03			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	86
Sample Wt/Vol:	30.02	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-TCL BNA -20
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139794.D	1	10/11/24 09:38	10/14/24 17:56	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

QC SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Surrogate Summary

SW-846

SDG No.: P4258

Client: Roman E&G Corp

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	High
P4258-03	Chamberlain Ave	2-Fluorophenol	150	84.3	56		18	112
		Phenol-d6	150	82.8	55		15	107
		Nitrobenzene-d5	100	53.5	54		18	107
		2-Fluorobiphenyl	100	53.0	53		20	109
		2,4,6-Tribromophenol	150	78.3	52		10	116
		Terphenyl-d14	100	63.6	64		10	105
P4385-06MS	SP-3MS	2-Fluorophenol	150	115	77		18	112
		Phenol-d6	150	113	75		15	107
		Nitrobenzene-d5	100	86.1	86		18	107
		2-Fluorobiphenyl	100	83.1	83		20	109
		2,4,6-Tribromophenol	150	122	81		10	116
		Terphenyl-d14	100	84.2	84		10	105
P4385-06MSD	SP-3MSD	2-Fluorophenol	150	117	78		18	112
		Phenol-d6	150	116	77		15	107
		Nitrobenzene-d5	100	87.2	87		18	107
		2-Fluorobiphenyl	100	83.0	83		20	109
		2,4,6-Tribromophenol	150	123	82		10	116
		Terphenyl-d14	100	82.8	83		10	105
PB164071BL	PB164071BL	2-Fluorophenol	150	135	90		18	112
		Phenol-d6	150	132	88		15	107
		Nitrobenzene-d5	100	98.9	99		18	107
		2-Fluorobiphenyl	100	93.6	94		20	109
		2,4,6-Tribromophenol	150	150	100		10	116
		Terphenyl-d14	100	90.0	90		10	105
PB164071BS	PB164071BS	2-Fluorophenol	150	135	90		18	112
		Phenol-d6	150	132	88		15	107
		Nitrobenzene-d5	100	98.9	99		18	107
		2-Fluorobiphenyl	100	93.3	93		20	109
		2,4,6-Tribromophenol	150	154	103		10	116
		Terphenyl-d14	100	113	113	*	10	105

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4258

Client: Roman E&G Corp

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: P4385-06MS		**Client Sample ID: SP-3MS**						**DataFile: BF139902.D**			
Benzaldehyde	1800	0	760	ug/Kg	42				10	86	
Phenol	1800	0	1900	ug/Kg	106				67	126	
bis(2-Chloroethyl)ether	1800	0	1800	ug/Kg	100				54	125	
2-Chlorophenol	1800	0	1900	ug/Kg	106				79	107	
2-Methylphenol	1800	0	1900	ug/Kg	106				66	122	
2,2-oxybis(1-Chloropropane)	1800	0	1800	ug/Kg	100				65	110	
Acetophenone	1800	0	1800	ug/Kg	100				75	111	
3+4-Methylphenols	1800	0	1800	ug/Kg	100				66	104	
N-Nitroso-di-n-propylamine	1800	0	1800	ug/Kg	100				59	119	
Hexachloroethane	1800	0	1800	ug/Kg	100				65	117	
Nitrobenzene	1800	0	1700	ug/Kg	94				70	119	
Isophorone	1800	0	1800	ug/Kg	100				76	122	
2-Nitrophenol	1800	0	2100	ug/Kg	117				54	145	
2,4-Dimethylphenol	1800	0	2000	ug/Kg	111				44	135	
bis(2-Chloroethoxy)methane	1800	0	1800	ug/Kg	100				68	112	
2,4-Dichlorophenol	1800	0	1800	ug/Kg	100				72	118	
Naphthalene	1800	0	1700	ug/Kg	94				72	110	
4-Chloroaniline	1800	0	370	ug/Kg	21				10	91	
Hexachlorobutadiene	1800	0	1700	ug/Kg	94				66	114	
Caprolactam	1800	0	1900	ug/Kg	106				51	134	
4-Chloro-3-methylphenol	1800	0	1800	ug/Kg	100				57	132	
2-Methylnaphthalene	1800	0	1800	ug/Kg	100				59	123	
Hexachlorocyclopentadiene	3500	0	5400	ug/Kg	154				10	175	
2,4,6-Trichlorophenol	1800	0	1900	ug/Kg	106				72	117	
2,4,5-Trichlorophenol	1800	0	1800	ug/Kg	100				72	117	
1,1-Biphenyl	1800	0	1800	ug/Kg	100				75	113	
2-Chloronaphthalene	1800	0	1800	ug/Kg	100				67	118	
2-Nitroaniline	1800	0	2000	ug/Kg	111				69	127	
Dimethylphthalate	1800	0	1900	ug/Kg	106				70	113	
Acenaphthylene	1800	0	1900	ug/Kg	106				79	118	
2,6-Dinitrotoluene	1800	0	1900	ug/Kg	106				70	125	
3-Nitroaniline	1800	0	1100	ug/Kg	61				30	99	
Acenaphthene	1800	0	2000	ug/Kg	111				70	121	
2,4-Dinitrophenol	3500	0	4200	ug/Kg	120				10	155	
4-Nitrophenol	3500	0	3600	ug/Kg	103				45	133	
Dibenzofuran	1800	0	1800	ug/Kg	100				72	110	
2,4-Dinitrotoluene	1800	0	2000	ug/Kg	111				55	128	
Diethylphthalate	1800	0	1800	ug/Kg	100				70	112	
4-Chlorophenyl-phenylether	1800	0	1700	ug/Kg	94				71	108	
Fluorene	1800	0	1700	ug/Kg	94				68	116	
4-Nitroaniline	1800	0	1800	ug/Kg	100				55	120	
4,6-Dinitro-2-methylphenol	1800	0	2400	ug/Kg	133				10	160	
N-Nitrosodiphenylamine	1800	0	1800	ug/Kg	100				73	118	
4-Bromophenyl-phenylether	1800	0	1900	ug/Kg	106				65	121	
Hexachlorobenzene	1800	0	1800	ug/Kg	100				67	118	
Atrazine	1800	0	2200	ug/Kg	122				79	127	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4258

Client: Roman E&G Corp

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Pentachlorophenol	3500	0	3400	ug/Kg	97				47	128	
Phenanthrene	1800	0	1800	ug/Kg	100				52	128	
Anthracene	1800	0	1800	ug/Kg	100				62	124	
Carbazole	1800	0	1700	ug/Kg	94				59	119	
Di-n-butylphthalate	1800	0	1800	ug/Kg	100				69	118	
Fluoranthene	1800	0	1700	ug/Kg	94				44	125	
Pyrene	1800	0	1700	ug/Kg	94				26	142	
Butylbenzylphthalate	1800	0	2200	ug/Kg	122				64	126	
3,3-Dichlorobenzidine	1800	0	970	ug/Kg	54				33	116	
Benzo(a)anthracene	1800	0	1900	ug/Kg	106				71	114	
Chrysene	1800	0	1900	ug/Kg	106				57	121	
bis(2-Ethylhexyl)phthalate	1800	0	2500	ug/Kg	139				42	169	
Di-n-octyl phthalate	1800	0	2300	ug/Kg	128				23	175	
Benzo(b)fluoranthene	1800	0	1900	ug/Kg	106				67	121	
Benzo(k)fluoranthene	1800	0	1700	ug/Kg	94				57	134	
Benzo(a)pyrene	1800	0	2000	ug/Kg	111				70	142	
Indeno(1,2,3-cd)pyrene	1800	0	1700	ug/Kg	94				40	129	
Dibenz(a,h)anthracene	1800	0	1700	ug/Kg	94				43	123	
Benzo(g,h,i)perylene	1800	0	1500	ug/Kg	83				24	125	
1,2,4,5-Tetrachlorobenzene	1800	0	1800	ug/Kg	100				69	124	
1,4-Dioxane	1800	0	1700	ug/Kg	94				46	112	
2,3,4,6-Tetrachlorophenol	1800	0	1900	ug/Kg	106				69	112	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4258

Client: Roman E&G Corp

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: P4385-06MSD		**Client Sample ID: SP-3MSD**						**DataFile: BF139903.D**			
Benzaldehyde	1800	0	780	ug/Kg	43	2			10	86	20
Phenol	1800	0	1900	ug/Kg	106	0			67	126	20
bis(2-Chloroethyl)ether	1800	0	1900	ug/Kg	106	6			54	125	20
2-Chlorophenol	1800	0	1900	ug/Kg	106	0			79	107	20
2-Methylphenol	1800	0	1900	ug/Kg	106	0			66	122	20
2,2-oxybis(1-Chloropropane)	1800	0	1900	ug/Kg	106	6			65	110	20
Acetophenone	1800	0	1700	ug/Kg	94	6			75	111	20
3+4-Methylphenols	1800	0	1800	ug/Kg	100	0			66	104	20
N-Nitroso-di-n-propylamine	1800	0	1800	ug/Kg	100	0			59	119	20
Hexachloroethane	1800	0	1800	ug/Kg	100	0			65	117	20
Nitrobenzene	1800	0	1800	ug/Kg	100	6			70	119	20
Isophorone	1800	0	1800	ug/Kg	100	0			76	122	20
2-Nitrophenol	1800	0	2200	ug/Kg	122	4			54	145	20
2,4-Dimethylphenol	1800	0	2100	ug/Kg	117	5			44	135	20
bis(2-Chloroethoxy)methane	1800	0	1800	ug/Kg	100	0			68	112	20
2,4-Dichlorophenol	1800	0	1800	ug/Kg	100	0			72	118	20
Naphthalene	1800	0	1800	ug/Kg	100	6			72	110	20
4-Chloroaniline	1800	0	340	ug/Kg	19	10			10	91	20
Hexachlorobutadiene	1800	0	1800	ug/Kg	100	6			66	114	20
Caprolactam	1800	0	1900	ug/Kg	106	0			51	134	20
4-Chloro-3-methylphenol	1800	0	1800	ug/Kg	100	0			57	132	20
2-Methylnaphthalene	1800	0	1800	ug/Kg	100	0			59	123	20
Hexachlorocyclopentadiene	3500	0	5600	ug/Kg	160	4			10	175	20
2,4,6-Trichlorophenol	1800	0	2000	ug/Kg	111	5			72	117	20
2,4,5-Trichlorophenol	1800	0	1800	ug/Kg	100	0			72	117	20
1,1-Biphenyl	1800	0	1800	ug/Kg	100	0			75	113	20
2-Chloronaphthalene	1800	0	1800	ug/Kg	100	0			67	118	20
2-Nitroaniline	1800	0	2000	ug/Kg	111	0			69	127	20
Dimethylphthalate	1800	0	1900	ug/Kg	106	0			70	113	20
Acenaphthylene	1800	0	1900	ug/Kg	106	0			79	118	20
2,6-Dinitrotoluene	1800	0	1900	ug/Kg	106	0			70	125	20
3-Nitroaniline	1800	0	1100	ug/Kg	61	0			30	99	20
Acenaphthene	1800	0	2000	ug/Kg	111	0			70	121	20
2,4-Dinitrophenol	3500	0	4400	ug/Kg	126	5			10	155	20
4-Nitrophenol	3500	0	3700	ug/Kg	106	3			45	133	20
Dibenzofuran	1800	0	1800	ug/Kg	100	0			72	110	20
2,4-Dinitrotoluene	1800	0	2000	ug/Kg	111	0			55	128	20
Diethylphthalate	1800	0	1800	ug/Kg	100	0			70	112	20
4-Chlorophenyl-phenylether	1800	0	1700	ug/Kg	94	0			71	108	20
Fluorene	1800	0	1700	ug/Kg	94	0			68	116	20
4-Nitroaniline	1800	0	1800	ug/Kg	100	0			55	120	20
4,6-Dinitro-2-methylphenol	1800	0	2500	ug/Kg	139	4			10	160	20
N-Nitrosodiphenylamine	1800	0	1900	ug/Kg	106	6			73	118	20
4-Bromophenyl-phenylether	1800	0	1900	ug/Kg	106	0			65	121	20
Hexachlorobenzene	1800	0	1800	ug/Kg	100	0			67	118	20
Atrazine	1800	0	2200	ug/Kg	122	0			79	127	20

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4258

Client: Roman E&G Corp

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Pentachlorophenol	3500	0	3500	ug/Kg	100		3		47	128	20
Phenanthrene	1800	0	1800	ug/Kg	100		0		52	128	20
Anthracene	1800	0	1800	ug/Kg	100		0		62	124	20
Carbazole	1800	0	1700	ug/Kg	94		0		59	119	20
Di-n-butylphthalate	1800	0	1800	ug/Kg	100		0		69	118	20
Fluoranthene	1800	0	1700	ug/Kg	94		0		44	125	20
Pyrene	1800	0	1700	ug/Kg	94		0		26	142	20
Butylbenzylphthalate	1800	0	2200	ug/Kg	122		0		64	126	20
3,3-Dichlorobenzidine	1800	0	970	ug/Kg	54		0		33	116	20
Benzo(a)anthracene	1800	0	1900	ug/Kg	106		0		71	114	20
Chrysene	1800	0	1900	ug/Kg	106		0		57	121	20
bis(2-Ethylhexyl)phthalate	1800	0	2500	ug/Kg	139		0		42	169	20
Di-n-octyl phthalate	1800	0	2300	ug/Kg	128		0		23	175	20
Benzo(b)fluoranthene	1800	0	1900	ug/Kg	106		0		67	121	20
Benzo(k)fluoranthene	1800	0	1800	ug/Kg	100		6		57	134	20
Benzo(a)pyrene	1800	0	2000	ug/Kg	111		0		70	142	20
Indeno(1,2,3-cd)pyrene	1800	0	1600	ug/Kg	89		5		40	129	20
Dibenz(a,h)anthracene	1800	0	1600	ug/Kg	89		5		43	123	20
Benzo(g,h,i)perylene	1800	0	1400	ug/Kg	78		6		24	125	20
1,2,4,5-Tetrachlorobenzene	1800	0	1800	ug/Kg	100		0		69	124	20
1,4-Dioxane	1800	0	1700	ug/Kg	94		0		46	112	20
2,3,4,6-Tetrachlorophenol	1800	0	1900	ug/Kg	106		0		69	112	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4258

Client: Roman E&G Corp

Analytical Method: 8270E **DataFile:** BF139921.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB164071BS	Benzaldehyde	1700	640	ug/Kg	38				10	133	
	Phenol	1700	1600	ug/Kg	94				62	112	
	bis(2-Chloroethyl)ether	1700	1600	ug/Kg	94				60	101	
	2-Chlorophenol	1700	1700	ug/Kg	100				65	112	
	2-Methylphenol	1700	1700	ug/Kg	100				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1600	ug/Kg	94				51	100	
	Acetophenone	1700	1600	ug/Kg	94				66	98	
	3+4-Methylphenols	1700	1600	ug/Kg	94				58	111	
	N-Nitroso-di-n-propylamine	1700	1600	ug/Kg	94				63	95	
	Hexachloroethane	1700	1600	ug/Kg	94				72	108	
	Nitrobenzene	1700	1600	ug/Kg	94				57	101	
	Isophorone	1700	1700	ug/Kg	100		*		59	99	
	2-Nitrophenol	1700	1900	ug/Kg	112		*		61	111	
	2,4-Dimethylphenol	1700	1900	ug/Kg	112				46	141	
	bis(2-Chloroethoxy)methane	1700	1600	ug/Kg	94				66	97	
	2,4-Dichlorophenol	1700	1700	ug/Kg	100				62	107	
	Naphthalene	1700	1600	ug/Kg	94				62	100	
	4-Chloroaniline	1700	670	ug/Kg	39				16	100	
	Hexachlorobutadiene	1700	1600	ug/Kg	94				53	98	
	Caprolactam	1700	1700	ug/Kg	100				67	110	
	4-Chloro-3-methylphenol	1700	1600	ug/Kg	94				58	112	
	2-Methylnaphthalene	1700	1600	ug/Kg	94				60	104	
	Hexachlorocyclopentadiene	3300	6200	ug/Kg	188		*		45	165	
	2,4,6-Trichlorophenol	1700	1700	ug/Kg	100				59	102	
	2,4,5-Trichlorophenol	1700	1600	ug/Kg	94				61	98	
	1,1-Biphenyl	1700	1600	ug/Kg	94				57	103	
	2-Chloronaphthalene	1700	1600	ug/Kg	94				58	99	
	2-Nitroaniline	1700	1800	ug/Kg	106		*		66	101	
	Dimethylphthalate	1700	1700	ug/Kg	100		*		61	99	
	Acenaphthylene	1700	1700	ug/Kg	100				63	101	
	2,6-Dinitrotoluene	1700	1700	ug/Kg	100				61	104	
	3-Nitroaniline	1700	1100	ug/Kg	65				28	100	
	Acenaphthene	1700	1800	ug/Kg	106		*		57	104	
	2,4-Dinitrophenol	3300	4200	ug/Kg	127				37	128	
	4-Nitrophenol	3300	3600	ug/Kg	109				48	119	
	Dibenzofuran	1700	1600	ug/Kg	94				63	99	
	2,4-Dinitrotoluene	1700	1900	ug/Kg	112		*		60	106	
	Diethylphthalate	1700	1600	ug/Kg	94				60	101	
	4-Chlorophenyl-phenylether	1700	1600	ug/Kg	94				58	98	
	Fluorene	1700	1600	ug/Kg	94				61	101	
	4-Nitroaniline	1700	1700	ug/Kg	100				64	103	
	4,6-Dinitro-2-methylphenol	1700	2400	ug/Kg	141		*		76	113	
	N-Nitrosodiphenylamine	1700	1700	ug/Kg	100		*		71	99	
	4-Bromophenyl-phenylether	1700	1700	ug/Kg	100				66	102	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4258

Client: Roman E&G Corp

Analytical Method: 8270E **DataFile:** BF139921.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB164071BS	Hexachlorobenzene	1700	1700	ug/Kg	100		*		64	98	
	Atrazine	1700	1900	ug/Kg	112				47	152	
	Pentachlorophenol	3300	3400	ug/Kg	103				67	105	
	Phenanthrene	1700	1700	ug/Kg	100				59	103	
	Anthracene	1700	1700	ug/Kg	100				61	105	
	Carbazole	1700	1600	ug/Kg	94				61	99	
	Di-n-butylphthalate	1700	1600	ug/Kg	94				58	104	
	Fluoranthene	1700	1600	ug/Kg	94				57	107	
	Pyrene	1700	1900	ug/Kg	112		*		59	103	
	Butylbenzylphthalate	1700	1900	ug/Kg	112		*		55	103	
	3,3-Dichlorobenzidine	1700	1200	ug/Kg	71				42	91	
	Benzo(a)anthracene	1700	1800	ug/Kg	106		*		60	102	
	Chrysene	1700	1800	ug/Kg	106		*		59	101	
	bis(2-Ethylhexyl)phthalate	1700	2000	ug/Kg	118				54	135	
	Di-n-octyl phthalate	1700	2000	ug/Kg	118				52	137	
	Benzo(b)fluoranthene	1700	1700	ug/Kg	100				62	109	
	Benzo(k)fluoranthene	1700	1600	ug/Kg	94				62	109	
	Benzo(a)pyrene	1700	1900	ug/Kg	112		*		63	103	
	Indeno(1,2,3-cd)pyrene	1700	2000	ug/Kg	118		*		63	101	
	Dibenz(a,h)anthracene	1700	1900	ug/Kg	112				61	112	
	Benzo(g,h,i)perylene	1700	1800	ug/Kg	106				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1600	ug/Kg	94				53	101	
	1,4-Dioxane	1700	1300	ug/Kg	76				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1800	ug/Kg	106				59	108	

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164071BL

Lab Name: CHEMTECH Contract: ROMA02

Lab Code: CHEM Case No.: P4258 SAS No.: P4258 SDG NO.: P4258

Lab File ID: BF139920.D Lab Sample ID: PB164071BL

Instrument ID: BNA_F Date Extracted: 10/11/2024

Matrix: (soil/water) SOIL Date Analyzed: 10/22/2024

Level: (low/med) LOW Time Analyzed: 11:05

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB164071BS	PB164071BS	BF139921.D	10/22/2024
Chamberlain Ave	P4258-03	BF139794.D	10/14/2024
SP-3MS	P4385-06MS	BF139902.D	10/21/2024
SP-3MSD	P4385-06MSD	BF139903.D	10/21/2024

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: ROMA02

Lab Code: CHEM SAS No.: P4258 SDG NO.: P4258

Lab File ID: BF139583.D DFTPP Injection Date: 10/01/2024

Instrument ID: BNA_F DFTPP Injection Time: 13:38

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	49.4
68	Less than 2.0% of mass 69	0.8 (1.9) 1
69	Mass 69 relative abundance	42.4
70	Less than 2.0% of mass 69	0.3 (0.6) 1
127	10.0 - 80.0% of mass 198	49.6
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 60.0% of mass 198	26.5
365	Greater than 1% of mass 198	3.2
441	Present, but less than mass 443	13.6
442	Greater than 50% of mass 198	86.9
443	15.0 - 24.0% of mass 442	16.5 (19) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BF139584.D	10/01/2024	14:05
SSTDICC005	SSTDICC005	BF139585.D	10/01/2024	14:34
SSTDICC010	SSTDICC010	BF139586.D	10/01/2024	15:02
SSTDICC020	SSTDICC020	BF139587.D	10/01/2024	15:30
SSTDICCC040	SSTDICCC040	BF139588.D	10/01/2024	15:58
SSTDICC050	SSTDICC050	BF139589.D	10/01/2024	16:25
SSTDICC060	SSTDICC060	BF139590.D	10/01/2024	16:54
SSTDICC080	SSTDICC080	BF139591.D	10/01/2024	17:22

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: ROMA02

Lab Code: CHEM SAS No.: P4258 SDG NO.: P4258

Lab File ID: BF139786.D DFTPP Injection Date: 10/14/2024

Instrument ID: BNA_F DFTPP Injection Time: 12:49

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	44
68	Less than 2.0% of mass 69	0.8 (2) 1
69	Mass 69 relative abundance	38.5
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	47.5
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	26.4
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	14.7
442	Greater than 50% of mass 198	94.4
443	15.0 - 24.0% of mass 442	17.8 (18.8) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF139787.D	10/14/2024	14:30
Chamberlain Ave	P4258-03	BF139794.D	10/14/2024	17:56

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: ROMA02

Lab Code: CHEM SAS No.: P4258 SDG NO.: P4258

Lab File ID: BF139843.D DFTPP Injection Date: 10/18/2024

Instrument ID: BNA_F DFTPP Injection Time: 09:22

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	43.8
68	Less than 2.0% of mass 69	0.7 (1.9) 1
69	Mass 69 relative abundance	37.8
70	Less than 2.0% of mass 69	0.3 (0.7) 1
127	10.0 - 80.0% of mass 198	46.9
197	Less than 2.0% of mass 198	0.8
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 60.0% of mass 198	26.9
365	Greater than 1% of mass 198	3.4
441	Present, but less than mass 443	14
442	Greater than 50% of mass 198	93.1
443	15.0 - 24.0% of mass 442	17.9 (19.2) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BF139844.D	10/18/2024	10:27
SSTDICC005	SSTDICC005	BF139845.D	10/18/2024	10:55
SSTDICC010	SSTDICC010	BF139846.D	10/18/2024	11:23
SSTDICC020	SSTDICC020	BF139847.D	10/18/2024	11:52
SSTDICCC040	SSTDICCC040	BF139848.D	10/18/2024	12:20
SSTDICC050	SSTDICC050	BF139849.D	10/18/2024	12:49
SSTDICC060	SSTDICC060	BF139850.D	10/18/2024	13:17
SSTDICC080	SSTDICC080	BF139851.D	10/18/2024	13:46

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: ROMA02

Lab Code: CHEM SAS No.: P4258 SDG NO.: P4258

Lab File ID: BF139891.D DFTPP Injection Date: 10/21/2024

Instrument ID: BNA_F DFTPP Injection Time: 09:28

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	43.9
68	Less than 2.0% of mass 69	0.6 (1.7) 1
69	Mass 69 relative abundance	38.2
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	47.1
197	Less than 2.0% of mass 198	0.4
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 60.0% of mass 198	27.7
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	15.4
442	Greater than 50% of mass 198	98.4
443	15.0 - 24.0% of mass 442	19 (19.4) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF139892.D	10/21/2024	09:57
SP-3MS	P4385-06MS	BF139902.D	10/21/2024	14:47
SP-3MSD	P4385-06MSD	BF139903.D	10/21/2024	15:15

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: ROMA02

Lab Code: CHEM SAS No.: P4258 SDG NO.: P4258

Lab File ID: BF139916.D DFTPP Injection Date: 10/22/2024

Instrument ID: BNA_F DFTPP Injection Time: 09:11

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	39.1
68	Less than 2.0% of mass 69	0.6 (1.7) 1
69	Mass 69 relative abundance	34
70	Less than 2.0% of mass 69	0.2 (0.7) 1
127	10.0 - 80.0% of mass 198	42.5
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.4
275	10.0 - 60.0% of mass 198	26.8
365	Greater than 1% of mass 198	3.2
441	Present, but less than mass 443	15.3
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.2 (19.2) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF139917.D	10/22/2024	09:39
PB164071BL	PB164071BL	BF139920.D	10/22/2024	11:05
PB164071BS	PB164071BS	BF139921.D	10/22/2024	11:34

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4258 SAS No.: P4258 SDG NO.: P4258

EPA Sample No.: SSTDCCC040 Date Analyzed: 10/14/2024

Lab File ID: BF139787.D Time Analyzed: 14:30

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	106437	6.863	392664	8.15	208571	9.90
	UPPER LIMIT	212874	7.363	785328	8.645	417142	10.404
	LOWER LIMIT	53218.5	6.363	196332	7.645	104286	9.404
	EPA SAMPLE NO.						
01	Chamberlain Ave	105117	6.86	416218	8.14	238846	9.90

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4258 SAS No.: P4258 SDG NO.: P4258

EPA Sample No.: SSTDCCC040 Date Analyzed: 10/14/2024

Lab File ID: BF139787.D Time Analyzed: 14:30

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	338151	11.386	160091	14.027	184260	15.504
	UPPER LIMIT	676302	11.886	320182	14.527	368520	16.004
	LOWER LIMIT	169076	10.886	80045.5	13.527	92130	15.004
	EPA SAMPLE NO.						
01	Chamberlain Ave	453325	11.39	213480	14.02	177491	15.50

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4258 SAS No.: P4258 SDG NO.: P4258

EPA Sample No.: SSTDCCC040 Date Analyzed: 10/21/2024

Lab File ID: BF139892.D Time Analyzed: 09:57

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	170135	6.892	645389	8.18	355580	9.93
	UPPER LIMIT	340270	7.392	1290780	8.675	711160	10.427
	LOWER LIMIT	85067.5	6.392	322695	7.675	177790	9.427
	EPA SAMPLE NO.						
01	SP-3MS	159111	6.89	617785	8.18	335465	9.93
02	SP-3MSD	163321	6.89	638402	8.18	343933	9.93

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4258 SAS No.: P4258 SDG NO.: P4258

EPA Sample No.: SSTDCCC040 Date Analyzed: 10/21/2024

Lab File ID: BF139892.D Time Analyzed: 09:57

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	607097	11.416	292847	14.057	323975	15.533
	UPPER LIMIT	1214190	11.916	585694	14.557	647950	16.033
	LOWER LIMIT	303549	10.916	146424	13.557	161988	15.033
	EPA SAMPLE NO.						
01	SP-3MS	563658	11.42	294671	14.06	343985	15.53
02	SP-3MSD	570576	11.42	298930	14.06	341306	15.53

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4258 SAS No.: P4258 SDG NO.: P4258

EPA Sample No.: SSTDCCC040 Date Analyzed: 10/22/2024

Lab File ID: BF139917.D Time Analyzed: 09:39

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	157034	6.892	594103	8.18	330233	9.93
	UPPER LIMIT	314068	7.392	1188210	8.675	660466	10.433
	LOWER LIMIT	78517	6.392	297052	7.675	165117	9.433
	EPA SAMPLE NO.						
01	PB164071BL	150261	6.89	593957	8.17	338069	9.93
02	PB164071BS	149304	6.89	587812	8.18	331508	9.93

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4258 SAS No.: P4258 SDG NO.: P4258

EPA Sample No.: SSTDCCC040 Date Analyzed: 10/22/2024

Lab File ID: BF139917.D Time Analyzed: 09:39

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	578135	11.416	280536	14.057	304746	15.533
	UPPER LIMIT	1156270	11.916	561072	14.557	609492	16.033
	LOWER LIMIT	289068	10.916	140268	13.557	152373	15.033
	EPA SAMPLE NO.						
01	PB164071BL	611789	11.41	390858	14.05	293996	15.53
02	PB164071BS	575136	11.42	270065	14.06	308770	15.53

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

QC SAMPLE DATA

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Report of Analysis

Client:	Roman E&G Corp	Date Collected:	
Project:	Perth Amboy	Date Received:	
Client Sample ID:	PB164071BL	SDG No.:	P4258
Lab Sample ID:	PB164071BL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139920.D	1	10/11/24 09:38	10/22/24 11:05	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	180	U	180	330	ug/Kg
108-95-2	Phenol	82.9	U	82.9	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	83.7	U	83.7	170	ug/Kg
95-57-8	2-Chlorophenol	83.5	U	83.5	170	ug/Kg
95-48-7	2-Methylphenol	80.6	U	80.6	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	90.9	U	90.9	170	ug/Kg
98-86-2	Acetophenone	86.9	U	86.9	170	ug/Kg
65794-96-9	3+4-Methylphenols	79.8	U	79.8	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	40.3	U	40.3	80.0	ug/Kg
67-72-1	Hexachloroethane	83.0	U	83.0	170	ug/Kg
98-95-3	Nitrobenzene	90.8	U	90.8	170	ug/Kg
78-59-1	Isophorone	84.6	U	84.6	170	ug/Kg
88-75-5	2-Nitrophenol	94.5	U	94.5	170	ug/Kg
105-67-9	2,4-Dimethylphenol	93.2	U	93.2	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	85.8	U	85.8	170	ug/Kg
120-83-2	2,4-Dichlorophenol	75.5	U	75.5	170	ug/Kg
91-20-3	Naphthalene	82.6	U	82.6	170	ug/Kg
106-47-8	4-Chloroaniline	82.6	U	82.6	170	ug/Kg
87-68-3	Hexachlorobutadiene	83.3	U	83.3	170	ug/Kg
105-60-2	Caprolactam	86.8	U	86.8	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	77.5	U	77.5	170	ug/Kg
91-57-6	2-Methylnaphthalene	82.5	U	82.5	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	160	U	160	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	71.4	U	71.4	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	74.0	U	74.0	170	ug/Kg
92-52-4	1,1-Biphenyl	87.4	U	87.4	170	ug/Kg
91-58-7	2-Chloronaphthalene	83.3	U	83.3	170	ug/Kg
88-74-4	2-Nitroaniline	95.0	U	95.0	170	ug/Kg
131-11-3	Dimethylphthalate	81.7	U	81.7	170	ug/Kg

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Report of Analysis

Client:	Roman E&G Corp			Date Collected:	
Project:	Perth Amboy			Date Received:	
Client Sample ID:	PB164071BL			SDG No.:	P4258
Lab Sample ID:	PB164071BL			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	100
Sample Wt/Vol:	30.01	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-TCL BNA -20
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139920.D	1	10/11/24 09:38	10/22/24 11:05	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	86.5	U	86.5	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	83.2	U	83.2	170	ug/Kg
99-09-2	3-Nitroaniline	89.2	U	89.2	170	ug/Kg
83-32-9	Acenaphthene	81.1	U	81.1	170	ug/Kg
51-28-5	2,4-Dinitrophenol	240	U	240	330	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	330	ug/Kg
132-64-9	Dibenzofuran	84.4	U	84.4	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	86.2	U	86.2	170	ug/Kg
84-66-2	Diethylphthalate	80.1	U	80.1	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	85.6	U	85.6	170	ug/Kg
86-73-7	Fluorene	85.5	U	85.5	170	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	81.6	U	81.6	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	78.9	U	78.9	170	ug/Kg
118-74-1	Hexachlorobenzene	85.0	U	85.0	170	ug/Kg
1912-24-9	Atrazine	91.4	U	91.4	170	ug/Kg
87-86-5	Pentachlorophenol	77.3	U	77.3	330	ug/Kg
85-01-8	Phenanthrene	84.0	U	84.0	170	ug/Kg
120-12-7	Anthracene	84.4	U	84.4	170	ug/Kg
86-74-8	Carbazole	80.3	U	80.3	170	ug/Kg
84-74-2	Di-n-butylphthalate	84.3	U	84.3	170	ug/Kg
206-44-0	Fluoranthene	81.7	U	81.7	170	ug/Kg
129-00-0	Pyrene	83.0	U	83.0	170	ug/Kg
85-68-7	Butylbenzylphthalate	96.8	U	96.8	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	98.6	U	98.6	330	ug/Kg
56-55-3	Benzo(a)anthracene	80.7	U	80.7	170	ug/Kg
218-01-9	Chrysene	79.5	U	79.5	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	91.0	U	91.0	170	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	81.1	U	81.1	170	ug/Kg

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Report of Analysis

Client:	Roman E&G Corp			Date Collected:	
Project:	Perth Amboy			Date Received:	
Client Sample ID:	PB164071BL			SDG No.:	P4258
Lab Sample ID:	PB164071BL			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	100
Sample Wt/Vol:	30.01	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-TCL BNA -20
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139920.D	1	10/11/24 09:38	10/22/24 11:05	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	82.6	U	82.6	170	ug/Kg
50-32-8	Benzo(a)pyrene	93.0	U	93.0	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	78.1	U	78.1	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	81.2	U	81.2	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	80.1	U	80.1	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	86.8	U	86.8	170	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	74.7	U	74.7	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	135		18 - 112	90%	SPK: 150
13127-88-3	Phenol-d6	132		15 - 107	88%	SPK: 150
4165-60-0	Nitrobenzene-d5	98.9		18 - 107	99%	SPK: 100
321-60-8	2-Fluorobiphenyl	93.6		20 - 109	94%	SPK: 100
118-79-6	2,4,6-Tribromophenol	150		10 - 116	100%	SPK: 150
1718-51-0	Terphenyl-d14	90.0		10 - 105	90%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	150000	6.892			
1146-65-2	Naphthalene-d8	594000	8.169			
15067-26-2	Acenaphthene-d10	338000	9.928			
1517-22-2	Phenanthrene-d10	612000	11.41			
1719-03-5	Chrysene-d12	391000	14.051			
1520-96-3	Perylene-d12	294000	15.527			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	120	J		2.24	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	250	A		5.13	ug/Kg

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Report of Analysis

Client:	Roman E&G Corp			Date Collected:	
Project:	Perth Amboy			Date Received:	
Client Sample ID:	PB164071BL			SDG No.:	P4258
Lab Sample ID:	PB164071BL			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	100
Sample Wt/Vol:	30.01	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-TCL BNA -20
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139920.D	1	10/11/24 09:38	10/22/24 11:05	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Roman E&G Corp	Date Collected:	
Project:	Perth Amboy	Date Received:	
Client Sample ID:	PB164071BS	SDG No.:	P4258
Lab Sample ID:	PB164071BS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139921.D	1	10/11/24 09:38	10/22/24 11:34	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	640		180	330	ug/Kg
108-95-2	Phenol	1600		82.8	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1600		83.6	170	ug/Kg
95-57-8	2-Chlorophenol	1700		83.4	170	ug/Kg
95-48-7	2-Methylphenol	1700		80.5	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1600		90.8	170	ug/Kg
98-86-2	Acetophenone	1600		86.8	170	ug/Kg
65794-96-9	3+4-Methylphenols	1600		79.7	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1600		40.3	79.9	ug/Kg
67-72-1	Hexachloroethane	1600		82.9	170	ug/Kg
98-95-3	Nitrobenzene	1600		90.7	170	ug/Kg
78-59-1	Isophorone	1700		84.5	170	ug/Kg
88-75-5	2-Nitrophenol	1900		94.4	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1900		93.1	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1600		85.7	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1700		75.4	170	ug/Kg
91-20-3	Naphthalene	1600		82.5	170	ug/Kg
106-47-8	4-Chloroaniline	670		82.5	170	ug/Kg
87-68-3	Hexachlorobutadiene	1600		83.2	170	ug/Kg
105-60-2	Caprolactam	1700		86.7	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1600		77.4	170	ug/Kg
91-57-6	2-Methylnaphthalene	1600		82.4	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	6200	E	160	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1700		71.3	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1600		73.9	170	ug/Kg
92-52-4	1,1-Biphenyl	1600		87.3	170	ug/Kg
91-58-7	2-Chloronaphthalene	1600		83.2	170	ug/Kg
88-74-4	2-Nitroaniline	1800		94.9	170	ug/Kg
131-11-3	Dimethylphthalate	1700		81.6	170	ug/Kg

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Report of Analysis

Client:	Roman E&G Corp			Date Collected:	
Project:	Perth Amboy			Date Received:	
Client Sample ID:	PB164071BS			SDG No.:	P4258
Lab Sample ID:	PB164071BS			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	100
Sample Wt/Vol:	30.03	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-TCL BNA -20
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139921.D	1	10/11/24 09:38	10/22/24 11:34	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1700		86.4	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1700		83.1	170	ug/Kg
99-09-2	3-Nitroaniline	1100		89.1	170	ug/Kg
83-32-9	Acenaphthene	1800		81.0	170	ug/Kg
51-28-5	2,4-Dinitrophenol	4200	E	240	330	ug/Kg
100-02-7	4-Nitrophenol	3600	E	120	330	ug/Kg
132-64-9	Dibenzofuran	1600		84.3	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1900		86.1	170	ug/Kg
84-66-2	Diethylphthalate	1600		80.0	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1600		85.5	170	ug/Kg
86-73-7	Fluorene	1600		85.4	170	ug/Kg
100-01-6	4-Nitroaniline	1700		110	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	2400		120	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1700		81.5	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1700		78.8	170	ug/Kg
118-74-1	Hexachlorobenzene	1700		84.9	170	ug/Kg
1912-24-9	Atrazine	1900		91.3	170	ug/Kg
87-86-5	Pentachlorophenol	3400	E	77.2	330	ug/Kg
85-01-8	Phenanthrene	1700		83.9	170	ug/Kg
120-12-7	Anthracene	1700		84.3	170	ug/Kg
86-74-8	Carbazole	1600		80.2	170	ug/Kg
84-74-2	Di-n-butylphthalate	1600		84.2	170	ug/Kg
206-44-0	Fluoranthene	1600		81.6	170	ug/Kg
129-00-0	Pyrene	1900		82.9	170	ug/Kg
85-68-7	Butylbenzylphthalate	1900		96.7	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1200		98.5	330	ug/Kg
56-55-3	Benzo(a)anthracene	1800		80.6	170	ug/Kg
218-01-9	Chrysene	1800		79.4	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2000		90.9	170	ug/Kg
117-84-0	Di-n-octyl phthalate	2000		110	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1700		81.0	170	ug/Kg

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

Report of Analysis

Client:	Roman E&G Corp			Date Collected:	
Project:	Perth Amboy			Date Received:	
Client Sample ID:	PB164071BS			SDG No.:	P4258
Lab Sample ID:	PB164071BS			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	100
Sample Wt/Vol:	30.03	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-TCL BNA -20
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139921.D	1	10/11/24 09:38	10/22/24 11:34	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1600		82.5	170	ug/Kg
50-32-8	Benzo(a)pyrene	1900		92.9	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2000		78.0	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1900		81.1	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1800		80.0	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1600		86.7	170	ug/Kg
123-91-1	1,4-Dioxane	1300		110	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1800		74.6	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	135		18 - 112	90%	SPK: 150
13127-88-3	Phenol-d6	132		15 - 107	88%	SPK: 150
4165-60-0	Nitrobenzene-d5	98.9		18 - 107	99%	SPK: 100
321-60-8	2-Fluorobiphenyl	93.3		20 - 109	93%	SPK: 100
118-79-6	2,4,6-Tribromophenol	154		10 - 116	103%	SPK: 150
1718-51-0	Terphenyl-d14	113	*	10 - 105	113%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	149000	6.893			
1146-65-2	Naphthalene-d8	588000	8.175			
15067-26-2	Acenaphthene-d10	332000	9.934			
1517-22-2	Phenanthrene-d10	575000	11.416			
1719-03-5	Chrysene-d12	270000	14.057			
1520-96-3	Perylene-d12	309000	15.533			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Roman E&G Corp	Date Collected:	10/10/24
Project:	Perth Amboy	Date Received:	10/10/24
Client Sample ID:	SP-3MS	SDG No.:	P4258
Lab Sample ID:	P4385-06MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	94.1
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139902.D	1	10/11/24 09:38	10/21/24 14:47	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	760		190	350	ug/Kg
108-95-2	Phenol	1900		88.1	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1800		88.9	180	ug/Kg
95-57-8	2-Chlorophenol	1900		88.7	180	ug/Kg
95-48-7	2-Methylphenol	1900		85.6	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1800		96.6	180	ug/Kg
98-86-2	Acetophenone	1800		92.3	180	ug/Kg
65794-96-9	3+4-Methylphenols	1800		84.8	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1800		42.8	85.0	ug/Kg
67-72-1	Hexachloroethane	1800		88.2	180	ug/Kg
98-95-3	Nitrobenzene	1700		96.5	180	ug/Kg
78-59-1	Isophorone	1800		89.9	180	ug/Kg
88-75-5	2-Nitrophenol	2100		100	180	ug/Kg
105-67-9	2,4-Dimethylphenol	2000		99.0	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1800		91.1	180	ug/Kg
120-83-2	2,4-Dichlorophenol	1800		80.2	180	ug/Kg
91-20-3	Naphthalene	1700		87.7	180	ug/Kg
106-47-8	4-Chloroaniline	370		87.7	180	ug/Kg
87-68-3	Hexachlorobutadiene	1700		88.5	180	ug/Kg
105-60-2	Caprolactam	1900		92.2	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1800		82.3	180	ug/Kg
91-57-6	2-Methylnaphthalene	1800		87.6	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	5400	E	170	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1900		75.9	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1800		78.6	180	ug/Kg
92-52-4	1,1-Biphenyl	1800		92.8	180	ug/Kg
91-58-7	2-Chloronaphthalene	1800		88.5	180	ug/Kg
88-74-4	2-Nitroaniline	2000		100	180	ug/Kg
131-11-3	Dimethylphthalate	1900		86.8	180	ug/Kg

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Report of Analysis

Client:	Roman E&G Corp	Date Collected:	10/10/24
Project:	Perth Amboy	Date Received:	10/10/24
Client Sample ID:	SP-3MS	SDG No.:	P4258
Lab Sample ID:	P4385-06MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	94.1
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139902.D	1	10/11/24 09:38	10/21/24 14:47	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1900		91.9	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	1900		88.4	180	ug/Kg
99-09-2	3-Nitroaniline	1100		94.8	180	ug/Kg
83-32-9	Acenaphthene	2000		86.2	180	ug/Kg
51-28-5	2,4-Dinitrophenol	4200	E	260	350	ug/Kg
100-02-7	4-Nitrophenol	3600	E	120	350	ug/Kg
132-64-9	Dibenzofuran	1800		89.7	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	2000		91.6	180	ug/Kg
84-66-2	Diethylphthalate	1800		85.1	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1700		90.9	180	ug/Kg
86-73-7	Fluorene	1700		90.8	180	ug/Kg
100-01-6	4-Nitroaniline	1800		110	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	2400		120	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1800		86.7	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1900		83.8	180	ug/Kg
118-74-1	Hexachlorobenzene	1800		90.3	180	ug/Kg
1912-24-9	Atrazine	2200		97.1	180	ug/Kg
87-86-5	Pentachlorophenol	3400	E	82.1	350	ug/Kg
85-01-8	Phenanthrene	1800		89.2	180	ug/Kg
120-12-7	Anthracene	1800		89.7	180	ug/Kg
86-74-8	Carbazole	1700		85.3	180	ug/Kg
84-74-2	Di-n-butylphthalate	1800		89.6	180	ug/Kg
206-44-0	Fluoranthene	1700		86.8	180	ug/Kg
129-00-0	Pyrene	1700		88.2	180	ug/Kg
85-68-7	Butylbenzylphthalate	2200		100	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	970		100	350	ug/Kg
56-55-3	Benzo(a)anthracene	1900		85.7	180	ug/Kg
218-01-9	Chrysene	1900		84.5	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2500		96.7	180	ug/Kg
117-84-0	Di-n-octyl phthalate	2300		120	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	1900		86.2	180	ug/Kg

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Report of Analysis

Client:	Roman E&G Corp	Date Collected:	10/10/24
Project:	Perth Amboy	Date Received:	10/10/24
Client Sample ID:	SP-3MS	SDG No.:	P4258
Lab Sample ID:	P4385-06MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	94.1
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139902.D	1	10/11/24 09:38	10/21/24 14:47	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1700		87.7	180	ug/Kg
50-32-8	Benzo(a)pyrene	2000		98.8	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1700		83.0	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1700		86.3	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1500		85.1	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1800		92.2	180	ug/Kg
123-91-1	1,4-Dioxane	1700		120	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1900		79.4	180	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	115		18 - 112	77%	SPK: 150
13127-88-3	Phenol-d6	113		15 - 107	75%	SPK: 150
4165-60-0	Nitrobenzene-d5	86.1		18 - 107	86%	SPK: 100
321-60-8	2-Fluorobiphenyl	83.1		20 - 109	83%	SPK: 100
118-79-6	2,4,6-Tribromophenol	122		10 - 116	81%	SPK: 150
1718-51-0	Terphenyl-d14	84.2		10 - 105	84%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	159000	6.892			
1146-65-2	Naphthalene-d8	618000	8.175			
15067-26-2	Acenaphthene-d10	335000	9.927			
1517-22-2	Phenanthrene-d10	564000	11.416			
1719-03-5	Chrysene-d12	295000	14.057			
1520-96-3	Perylene-d12	344000	15.533			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Roman E&G Corp	Date Collected:	10/10/24
Project:	Perth Amboy	Date Received:	10/10/24
Client Sample ID:	SP-3MSD	SDG No.:	P4258
Lab Sample ID:	P4385-06MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	94.1
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139903.D	1	10/11/24 09:38	10/21/24 15:15	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	780		190	350	ug/Kg
108-95-2	Phenol	1900		88.0	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1900		88.8	180	ug/Kg
95-57-8	2-Chlorophenol	1900		88.6	180	ug/Kg
95-48-7	2-Methylphenol	1900		85.5	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1900		96.4	180	ug/Kg
98-86-2	Acetophenone	1700		92.2	180	ug/Kg
65794-96-9	3+4-Methylphenols	1800		84.7	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1800		42.8	84.9	ug/Kg
67-72-1	Hexachloroethane	1800		88.1	180	ug/Kg
98-95-3	Nitrobenzene	1800		96.3	180	ug/Kg
78-59-1	Isophorone	1800		89.8	180	ug/Kg
88-75-5	2-Nitrophenol	2200		100	180	ug/Kg
105-67-9	2,4-Dimethylphenol	2100		98.9	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1800		91.0	180	ug/Kg
120-83-2	2,4-Dichlorophenol	1800		80.1	180	ug/Kg
91-20-3	Naphthalene	1800		87.6	180	ug/Kg
106-47-8	4-Chloroaniline	340		87.6	180	ug/Kg
87-68-3	Hexachlorobutadiene	1800		88.4	180	ug/Kg
105-60-2	Caprolactam	1900		92.1	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1800		82.2	180	ug/Kg
91-57-6	2-Methylnaphthalene	1800		87.5	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	5600	E	170	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	2000		75.8	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1800		78.5	180	ug/Kg
92-52-4	1,1-Biphenyl	1800		92.7	180	ug/Kg
91-58-7	2-Chloronaphthalene	1800		88.4	180	ug/Kg
88-74-4	2-Nitroaniline	2000		100	180	ug/Kg
131-11-3	Dimethylphthalate	1900		86.7	180	ug/Kg

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Report of Analysis

Client:	Roman E&G Corp	Date Collected:	10/10/24
Project:	Perth Amboy	Date Received:	10/10/24
Client Sample ID:	SP-3MSD	SDG No.:	P4258
Lab Sample ID:	P4385-06MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	94.1
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139903.D	1	10/11/24 09:38	10/21/24 15:15	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1900		91.8	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	1900		88.3	180	ug/Kg
99-09-2	3-Nitroaniline	1100		94.6	180	ug/Kg
83-32-9	Acenaphthene	2000		86.0	180	ug/Kg
51-28-5	2,4-Dinitrophenol	4400	E	260	350	ug/Kg
100-02-7	4-Nitrophenol	3700	E	120	350	ug/Kg
132-64-9	Dibenzofuran	1800		89.5	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	2000		91.5	180	ug/Kg
84-66-2	Diethylphthalate	1800		85.0	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1700		90.8	180	ug/Kg
86-73-7	Fluorene	1700		90.7	180	ug/Kg
100-01-6	4-Nitroaniline	1800		110	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	2500		120	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1900		86.6	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1900		83.7	180	ug/Kg
118-74-1	Hexachlorobenzene	1800		90.2	180	ug/Kg
1912-24-9	Atrazine	2200		97.0	180	ug/Kg
87-86-5	Pentachlorophenol	3500	E	82.0	350	ug/Kg
85-01-8	Phenanthrene	1800		89.1	180	ug/Kg
120-12-7	Anthracene	1800		89.5	180	ug/Kg
86-74-8	Carbazole	1700		85.2	180	ug/Kg
84-74-2	Di-n-butylphthalate	1800		89.4	180	ug/Kg
206-44-0	Fluoranthene	1700		86.7	180	ug/Kg
129-00-0	Pyrene	1700		88.1	180	ug/Kg
85-68-7	Butylbenzylphthalate	2200		100	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	970		100	350	ug/Kg
56-55-3	Benzo(a)anthracene	1900		85.6	180	ug/Kg
218-01-9	Chrysene	1900		84.3	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2500		96.5	180	ug/Kg
117-84-0	Di-n-octyl phthalate	2300		120	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	1900		86.0	180	ug/Kg

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

Report of Analysis

Client:	Roman E&G Corp	Date Collected:	10/10/24
Project:	Perth Amboy	Date Received:	10/10/24
Client Sample ID:	SP-3MSD	SDG No.:	P4258
Lab Sample ID:	P4385-06MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	94.1
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139903.D	1	10/11/24 09:38	10/21/24 15:15	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1800		87.6	180	ug/Kg
50-32-8	Benzo(a)pyrene	2000		98.7	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1600		82.9	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1600		86.1	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1400		85.0	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1800		92.1	180	ug/Kg
123-91-1	1,4-Dioxane	1700		120	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1900		79.3	180	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	117		18 - 112	78%	SPK: 150
13127-88-3	Phenol-d6	116		15 - 107	77%	SPK: 150
4165-60-0	Nitrobenzene-d5	87.2		18 - 107	87%	SPK: 100
321-60-8	2-Fluorobiphenyl	83.0		20 - 109	83%	SPK: 100
118-79-6	2,4,6-Tribromophenol	123		10 - 116	82%	SPK: 150
1718-51-0	Terphenyl-d14	82.8		10 - 105	83%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	163000	6.893			
1146-65-2	Naphthalene-d8	638000	8.175			
15067-26-2	Acenaphthene-d10	344000	9.928			
1517-22-2	Phenanthrene-d10	571000	11.416			
1719-03-5	Chrysene-d12	299000	14.057			
1520-96-3	Perylene-d12	341000	15.533			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

CALIBRATION SUMMARY

Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF100124.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Oct 02 04:58:47 2024
Response Via : Initial Calibration

Calibration Files
2.5 =BF139584.D 5 =BF139585.D 10 =BF139586.D 20 =BF139587.D 40 =BF139588.D 50 =BF139589.D 60 =BF139590.D 80 =BF1395
91.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.523	0.523	0.509	0.485	0.488	0.490	0.474	0.499	3.89
3)		Pyridine		1.305	1.304	1.277	1.163	1.155	1.177	1.112	1.213	6.59
4)		n-Nitrosodimet...		0.820	0.790	0.797	0.783	0.784	0.802	0.782	0.794	1.72
5)	S	2-Fluorophenol		1.285	1.218	1.191	1.113	1.096	1.106	1.068	1.154	6.84
6)		Aniline		1.562	1.492	1.462	1.276	1.243	1.226		1.377	10.56
7)	S	Phenol-d6		1.719	1.638	1.599	1.490	1.482	1.490	1.445	1.552	6.54
8)		2-Chlorophenol		1.326	1.337	1.289	1.191	1.180	1.192	1.139	1.236	6.40
9)		Benzaldehyde		1.008	1.014	0.926	0.787	0.727	0.680	0.612	0.822	19.68
10)	C	Phenol		1.798	1.748	1.691	1.602	1.548	1.570	1.464	1.632	7.27
11)		bis(2-Chloroet...		1.356	1.331	1.264	1.258	1.236	1.261	1.595	1.329	9.42
12)		1,3-Dichlorobe...		1.527	1.477	1.450	1.346	1.330	1.339	1.266	1.391	6.78
13)	C	1,4-Dichlorobe...		1.592	1.510	1.451	1.348	1.341	1.348	1.271	1.409	8.01
14)		1,2-Dichlorobe...		1.469	1.429	1.393	1.278	1.256	1.241	1.175	1.320	8.33
15)		Benzyl Alcohol		1.239	1.244	1.233	1.170	1.144	1.166	1.103	1.186	4.55
16)		2,2'-oxybis(1-...		2.573	2.446	2.391	2.225	2.186	2.202	2.075	2.300	7.60
17)		2-Methylphenol		1.105	1.073	1.068	1.010	0.992	1.005	0.972	1.032	4.80
18)		Hexachloroethane		0.553	0.548	0.550	0.511	0.511	0.516	0.489	0.525	4.73
19)	P	n-Nitroso-di-n...	1.024	1.073	1.066	1.030	0.959	0.932	0.971	0.926	0.998	5.83
20)		3+4-Methylphenols		1.439	1.405	1.363	1.257	1.226	1.229	1.154	1.296	8.20
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.530	0.505	0.494	0.451	0.447	0.460	0.436	0.475	7.36
23)	S	Nitrobenzene-d5		0.420	0.411	0.406	0.382	0.382	0.391	0.373	0.395	4.43
24)		Nitrobenzene		0.427	0.424	0.421	0.397	0.391	0.408	0.396	0.409	3.63
25)		Isophorone		0.766	0.728	0.713	0.675	0.662	0.695	0.672	0.702	5.25
26)	C	2-Nitrophenol		0.174	0.172	0.181	0.178	0.175	0.179	0.172	0.176	1.99
27)		2,4-Dimethylph...		0.228	0.224	0.218	0.206	0.209	0.216	0.206	0.215	4.10
28)		bis(2-Chloroet...		0.459	0.438	0.433	0.403	0.401	0.411	0.389	0.419	5.92
29)	C	2,4-Dichloroph...		0.300	0.295	0.293	0.275	0.266	0.276	0.261	0.281	5.42
30)		1,2,4-Trichlor...		0.344	0.336	0.329	0.307	0.301	0.311	0.295	0.318	5.92
31)		Naphthalene		1.144	1.090	1.074	0.982	0.962	0.983	0.923	1.023	7.84
32)		Benzoic acid		0.159	0.187	0.220	0.224	0.227	0.243	0.240	0.214	14.27
33)		4-Chloroaniline		0.382	0.367	0.361	0.340	0.330	0.333	0.310	0.346	7.21
34)	C	Hexachlorobuta...		0.223	0.216	0.216	0.197	0.198	0.201	0.189	0.205	6.11
35)		Caprolactam		0.098	0.099	0.093	0.088	0.088	0.092	0.086	0.092	5.47
36)	C	4-Chloro-3-met...		0.345	0.335	0.331	0.303	0.300	0.312	0.299	0.318	5.88
37)		2-Methylnaphth...		0.764	0.718	0.694	0.639	0.620	0.633	0.594	0.666	9.12
38)		1-Methylnaphth...		0.739	0.708	0.677	0.624	0.610	0.617	0.581	0.651	8.90

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF100124.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.601	0.594	0.586	0.536	0.528	0.536	0.507	0.555	6.70
41)	P	Hexachlorocycl...	0.120	0.148	0.173	0.184	0.191	0.193	0.184	0.170	15.84
42)	S	2,4,6-Tribromo...	0.212	0.208	0.200	0.187	0.182	0.186	0.177	0.193	7.11
43)	C	2,4,6-Trichlor...	0.395	0.383	0.391	0.366	0.362	0.371	0.352	0.374	4.27
44)		2,4,5-Trichlor...	0.433	0.429	0.412	0.390	0.389	0.393	0.378	0.404	5.28
45)	S	2-Fluorobiphenyl	1.547	1.443	1.373	1.228	1.203	1.194	1.131	1.303	11.78
46)		1,1'-Biphenyl	1.680	1.619	1.556	1.416	1.400	1.408	1.334	1.488	8.73
47)		2-Chloronaphth...	1.225	1.193	1.156	1.074	1.067	1.069	1.023	1.115	6.80
48)		2-Nitroaniline	0.401	0.400	0.409	0.394	0.397	0.407	0.395	0.400	1.44
49)		Acenaphthylene	1.889	1.832	1.784	1.632	1.615	1.609	1.510	1.696	8.22
50)		Dimethylphthalate	1.471	1.387	1.342	1.249	1.249	1.251	1.216	1.309	7.15
51)		2,6-Dinitrotol...	0.313	0.310	0.304	0.288	0.285	0.293	0.277	0.296	4.56
52)	C	Acenaphthene	1.279	1.237	1.207	1.126	1.115	1.122	1.064	1.164	6.67
53)		3-Nitroaniline	0.326	0.319	0.314	0.293	0.291	0.293	0.278	0.302	5.84
54)	P	2,4-Dinitrophenol	0.122	0.136	0.164	0.164	0.176	0.178	0.173	0.159	13.53
55)		Dibenzofuran	1.882	1.800	1.713	1.553	1.526	1.520	1.418	1.630	10.42
56)	P	4-Nitrophenol	0.230	0.233	0.237	0.228	0.231	0.236	0.218	0.230	2.71
57)		2,4-Dinitrotol...	0.408	0.416	0.406	0.380	0.377	0.372	0.348	0.387	6.27
58)		Fluorene	1.524	1.436	1.358	1.222	1.212	1.206	1.132	1.298	11.01
59)		2,3,4,6-Tetrac...	0.358	0.338	0.339	0.315	0.314	0.320	0.299	0.326	6.12
60)		Diethylphthalate	1.530	1.451	1.397	1.289	1.290	1.293	1.216	1.352	8.18
61)		4-Chlorophenyl...	0.750	0.728	0.689	0.607	0.604	0.605	0.564	0.650	11.10
62)		4-Nitroaniline	0.340	0.326	0.323	0.298	0.298	0.299	0.280	0.309	6.77
63)		Azobenzene	1.509	1.451	1.415	1.313	1.296	1.292	1.243	1.360	7.23
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...	0.095	0.105	0.114	0.120	0.116	0.123	0.117	0.113	8.71
66)	c	n-Nitrosodiphe...	0.653	0.623	0.609	0.568	0.559	0.569	0.546	0.590	6.66
67)		4-Bromophenyl-...	0.225	0.219	0.211	0.198	0.193	0.199	0.191	0.205	6.48
68)		Hexachlorobenzene	0.251	0.238	0.233	0.220	0.215	0.224	0.212	0.228	6.09
69)		Atrazine	0.189	0.185	0.164	0.132	0.121			0.158	19.43
70)	C	Pentachlorophenol	0.127	0.132	0.139	0.140	0.135	0.142	0.134	0.135	3.86
71)		Phenanthrene	1.071	1.024	0.976	0.904	0.883	0.904	0.838	0.943	8.85
72)		Anthracene	1.078	0.987	0.978	0.896	0.875	0.884	0.833	0.933	9.09
73)		Carbazole	1.013	0.968	0.946	0.867	0.852	0.852	0.774	0.896	9.22
74)		Di-n-butylphth...	1.194	1.155	1.143	1.069	1.042	1.051	0.973	1.090	7.09
75)	C	Fluoranthene	1.217	1.139	1.111	0.993	0.958	0.938	0.861	1.031	12.33
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.478	0.458	0.335	0.346	0.240	0.244	0.369	0.353	26.36
78)		Pyrene	1.799	1.737	1.801	1.817	1.746	1.869	1.753	1.789	2.64
79)	S	Terphenyl-d14	1.296	1.236	1.228	1.209	1.176	1.241	1.147	1.219	3.96
80)		Butylbenzylpht...	0.624	0.609	0.645	0.649	0.646	0.670	0.634	0.640	3.08
81)		Benzo(a)anthra...	1.476	1.348	1.331	1.252	1.274	1.300	1.224	1.315	6.33
82)		3,3'-Dichlorob...	0.440	0.421	0.414	0.395	0.370	0.393	0.383	0.402	5.98
83)		Chrysene	1.330	1.242	1.254	1.189	1.116	1.168	1.117	1.202	6.49
84)		Bis(2-ethylhex...	0.748	0.746	0.796	0.816	0.813	0.849	0.823	0.799	4.84
85)	c	Di-n-octyl pht...	1.038	1.032	1.127	1.189	1.201	1.309	1.319	1.174	9.89

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF100124.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.021	1.065	1.202	1.210	1.220	1.269	1.253	1.177	8.12
88)		Benzo(b)fluora...	1.541	1.415	1.347	1.153	1.261	1.206	1.130	1.293	11.55
89)		Benzo(k)fluora...	1.122	1.177	1.191	1.126	0.998	1.039	1.025	1.097	6.97
90)	C	Benzo(a)pyrene	1.076	1.060	1.042	0.992	0.996	0.999	0.973	1.020	3.84
91)		Dibenzo(a,h)an...	0.850	0.898	0.988	1.008	1.014	1.050	1.027	0.976	7.56
92)		Benzo(g,h,i)pe...	0.833	0.865	0.993	1.020	1.015	1.066	1.062	0.979	9.50

(#) = Out of Range

Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF101824.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Oct 18 15:07:50 2024
Response Via : Initial Calibration

Calibration Files
2.5 =BF139844.D 5 =BF139845.D 10 =BF139846.D 20 =BF139847.D 40 =BF139848.D 50 =BF139849.D 60 =BF139850.D 80 =BF1398
51.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.651	0.625	0.603	0.591	0.571	0.581	0.548	0.596	5.74
3)		Pyridine		1.622	1.570	1.522	1.504	1.386	1.406	1.326	1.476	7.26
4)		n-Nitrosodimet...		0.815	0.800	0.799	0.806	0.782	0.794	0.757	0.793	2.39
5)	S	2-Fluorophenol		1.465	1.398	1.331	1.278	1.179	1.186	1.106	1.278	10.10
6)		Aniline		1.673	1.649	1.618	1.582	1.471	1.479	1.324	1.542	8.05
7)	S	Phenol-d6		1.900	1.818	1.709	1.647	1.538	1.539	1.432	1.655	10.06
8)		2-Chlorophenol		1.503	1.422	1.358	1.310	1.212	1.221	1.116	1.306	10.24
9)		Benzaldehyde			1.137	1.042	0.940	0.873	0.853	0.740	0.931	15.22
10)	C	Phenol		1.952	1.832	1.760	1.712	1.583	1.601	1.502	1.706	9.19
11)		bis(2-Chloroet...		1.470	1.423	1.359	1.294	1.251	1.249	1.183	1.319	7.82
12)		1,3-Dichlorobe...		1.718	1.656	1.544	1.499	1.392	1.391	1.294	1.499	10.19
13)	C	1,4-Dichlorobe...		1.723	1.641	1.558	1.487	1.392	1.391	1.291	1.498	10.19
14)		1,2-Dichlorobe...		1.660	1.579	1.478	1.379	1.273	1.267	1.149	1.398	13.15
15)		Benzyl Alcohol		1.355	1.299	1.257	1.213	1.154	1.146	1.071	1.214	8.07
16)		2,2'-oxybis(1-...		2.524	2.409	2.353	2.255	2.117	2.115	1.964	2.248	8.69
17)		2-Methylphenol		1.264	1.164	1.134	1.114	1.053	1.063	1.004	1.114	7.69
18)		Hexachloroethane		0.583	0.571	0.549	0.541	0.507	0.511	0.477	0.534	7.06
19)	P	n-Nitroso-di-n...	1.105	1.141	1.066	1.025	0.974	0.921	0.927	0.869	1.004	9.63
20)		3+4-Methylphenols		1.678	1.573	1.520	1.418	1.309	1.300	1.173	1.424	12.41
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.578	0.533	0.516	0.481	0.452	0.454	0.414	0.490	11.43
23)	S	Nitrobenzene-d5		0.365	0.365	0.372	0.371	0.354	0.357	0.342	0.361	2.92
24)		Nitrobenzene		0.417	0.402	0.408	0.403	0.383	0.388	0.370	0.396	4.10
25)		Isophorone		0.755	0.709	0.702	0.679	0.652	0.660	0.637	0.685	5.90
26)	C	2-Nitrophenol		0.124	0.137	0.150	0.157	0.158	0.161	0.157	0.149	9.22
27)		2,4-Dimethylph...		0.285	0.259	0.256	0.248	0.237	0.234	0.223	0.249	8.07
28)		bis(2-Chloroet...		0.468	0.440	0.432	0.412	0.394	0.390	0.369	0.415	8.22
29)	C	2,4-Dichloroph...		0.308	0.297	0.293	0.283	0.272	0.274	0.257	0.283	6.17
30)		1,2,4-Trichlor...		0.351	0.331	0.325	0.315	0.298	0.298	0.279	0.314	7.68
31)		Naphthalene		1.209	1.121	1.091	1.023	0.958	0.944	0.875	1.031	11.23
32)		Benzoic acid			0.175	0.207	0.220	0.231	0.235	0.235	0.217	10.69
33)		4-Chloroaniline		0.397	0.382	0.368	0.351	0.332	0.326	0.306	0.352	9.26
34)	C	Hexachlorobuta...		0.224	0.206	0.203	0.197	0.185	0.187	0.177	0.197	7.96
35)		Caprolactam		0.092	0.092	0.092	0.092	0.088	0.088	0.086	0.090	2.85
36)	C	4-Chloro-3-met...		0.341	0.328	0.324	0.315	0.299	0.303	0.287	0.314	6.03
37)		2-Methylnaphth...		0.740	0.689	0.666	0.621	0.587	0.583	0.537	0.632	11.11
38)		1-Methylnaphth...		0.726	0.683	0.655	0.612	0.569	0.567	0.526	0.620	11.55

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF101824.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.609	0.579	0.562	0.537	0.512	0.506	0.472	0.540	8.72
41)	P	Hexachlorocycl...	0.185	0.193	0.198	0.198	0.186	0.185	0.169	0.188	5.28
42)	S	2,4,6-Tribromo...	0.201	0.196	0.193	0.188	0.179	0.180	0.173	0.187	5.47
43)	C	2,4,6-Trichlor...	0.405	0.382	0.400	0.387	0.363	0.383	0.354	0.382	4.80
44)		2,4,5-Trichlor...	0.426	0.425	0.398	0.401	0.381	0.369	0.359	0.394	6.58
45)	S	2-Fluorobiphenyl	1.512	1.396	1.280	1.162	1.088	1.060	0.973	1.210	16.05
46)		1,1'-Biphenyl	1.640	1.536	1.483	1.379	1.285	1.262	1.161	1.392	12.18
47)		2-Chloronaphth...	1.288	1.225	1.164	1.111	1.048	1.040	0.973	1.121	9.95
48)		2-Nitroaniline	0.299	0.318	0.353	0.365	0.354	0.362	0.349	0.343	7.20
49)		Acenaphthylene	1.854	1.756	1.717	1.615	1.507	1.505	1.394	1.621	10.06
50)		Dimethylphthalate	1.410	1.344	1.283	1.237	1.172	1.163	1.110	1.246	8.60
51)		2,6-Dinitrotol...	0.256	0.266	0.278	0.280	0.273	0.274	0.260	0.270	3.41
52)	C	Acenaphthene	1.200	1.136	1.089	1.044	0.977	0.983	0.913	1.049	9.55
53)		3-Nitroaniline	0.270	0.275	0.296	0.292	0.276	0.282	0.256	0.278	4.84
54)	P	2,4-Dinitrophenol		0.056	0.077	0.101	0.101	0.113	0.112	0.093	23.89
55)		Dibenzofuran	1.767	1.659	1.579	1.486	1.389	1.375	1.278	1.505	11.52
56)	P	4-Nitrophenol	0.187	0.207	0.225	0.232	0.219	0.220	0.208	0.214	6.84
57)		2,4-Dinitrotol...	0.280	0.314	0.337	0.356	0.344	0.351	0.338	0.332	7.94
58)		Fluorene	1.409	1.309	1.201	1.110	1.029	1.021	0.944	1.146	14.68
59)		2,3,4,6-Tetrac...	0.334	0.322	0.326	0.310	0.296	0.293	0.281	0.309	6.33
60)		Diethylphthalate	1.366	1.308	1.267	1.214	1.165	1.161	1.080	1.223	7.99
61)		4-Chlorophenyl...	0.698	0.638	0.617	0.569	0.526	0.520	0.484	0.579	13.14
62)		4-Nitroaniline	0.249	0.259	0.270	0.275	0.263	0.269	0.254	0.263	3.65
63)		Azobenzene	1.459	1.385	1.355	1.306	1.216	1.212	1.143	1.297	8.62
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.055	0.072	0.087	0.090	0.092	0.093	0.082	18.60
66)	c	n-Nitrosodiphe...	0.672	0.641	0.621	0.595	0.568	0.561	0.533	0.599	8.14
67)		4-Bromophenyl-...	0.230	0.217	0.211	0.202	0.197	0.196	0.189	0.206	6.98
68)		Hexachlorobenzene	0.258	0.245	0.237	0.231	0.217	0.221	0.212	0.232	7.20
69)		Atrazine	0.189	0.175	0.156	0.175	0.135	0.153	0.151	0.162	11.36
70)	C	Pentachlorophenol	0.118	0.137	0.148	0.152	0.145	0.144	0.140	0.141	8.04
71)		Phenanthrene	1.121	1.035	0.994	0.933	0.863	0.860	0.807	0.945	11.79
72)		Anthracene	1.082	1.014	0.972	0.913	0.851	0.833	0.787	0.922	11.53
73)		Carbazole	1.002	0.964	0.923	0.846	0.776	0.772	0.717	0.857	12.64
74)		Di-n-butylphth...	1.104	1.071	1.062	1.014	0.923	0.909	0.850	0.990	9.77
75)	C	Fluoranthene	1.149	1.108	1.036	0.943	0.842	0.835	0.772	0.955	15.34
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.457	0.461	0.293	0.366	0.276	0.203	0.246	0.329	30.86
78)		Pyrene	1.892	1.828	1.900	1.805	1.685	1.649	1.496	1.751	8.43
79)	S	Terphenyl-d14	1.381	1.335	1.340	1.244	1.154	1.121	1.018	1.227	10.96
80)		Butylbenzylpht...	0.490	0.513	0.536	0.555	0.535	0.531	0.514	0.525	3.99
81)		Benzo(a)anthra...	1.425	1.355	1.329	1.331	1.267	1.237	1.169	1.302	6.48
82)		3,3'-Dichlorob...	0.368	0.372	0.390	0.387	0.374	0.382	0.384	0.380	2.15
83)		Chrysene	1.325	1.244	1.234	1.167	1.134	1.151	1.101	1.194	6.52
84)		Bis(2-ethylhex...	0.520	0.539	0.577	0.626	0.620	0.626	0.614	0.589	7.48
85)	c	Di-n-octyl pht...		0.786	0.930	1.135	1.182	1.207	1.186	1.071	16.14

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF101824.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.209	1.261	1.307	1.352	1.299	1.326	1.253	1.287	3.77
88)		Benzo(b)fluora...	1.317	1.240	1.319	1.196	1.105	1.239	1.111	1.218	7.15
89)		Benzo(k)fluora...	1.213	1.177	0.992	1.066	1.030	0.929	0.947	1.051	10.42
90)	C	Benzo(a)pyrene	1.030	1.024	1.018	1.025	0.974	0.999	0.947	1.002	3.12
91)		Dibenzo(a,h)an...	1.021	1.064	1.103	1.120	1.083	1.085	1.036	1.073	3.31
92)		Benzo(g,h,i)pe...	1.030	1.046	1.090	1.128	1.081	1.095	1.035	1.072	3.37

(#) = Out of Range

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ROMA02

Lab Code: CHEM Case No.: P4258 SAS No.: P4258 SDG No.: P4258

Instrument ID: BNA_F Calibration Date/Time: 10/14/2024 14:30

Lab File ID: BF139787.D Init. Calib. Date(s): 10/01/2024 10/01/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 14:05 17:22

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.154	1.129		-2.2	
Benzaldehyde	0.822	0.818		-0.5	
Phenol-d6	1.552	1.512		-2.6	
Phenol	1.632	1.584		-2.9	20.0
bis(2-Chloroethyl)ether	1.329	1.241		-6.6	
2-Chlorophenol	1.236	1.213		-1.9	
2-Methylphenol	1.032	0.995		-3.6	
2,2-oxybis(1-Chloropropane)	2.300	2.102		-8.6	
Acetophenone	0.475	0.458		-3.6	
3+4-Methylphenols	1.296	1.233		-4.9	
n-Nitroso-di-n-propylamine	0.998	0.906	0.050	-9.2	
Nitrobenzene-d5	0.395	0.376		-4.8	
Hexachloroethane	0.525	0.499		-5.0	
Nitrobenzene	0.409	0.389		-4.9	
Isophorone	0.702	0.658		-6.3	
2-Nitrophenol	0.176	0.176		0.0	20.0
2,4-Dimethylphenol	0.215	0.211		-1.9	
bis(2-Chloroethoxy)methane	0.419	0.405		-3.3	
2,4-Dichlorophenol	0.281	0.276		-1.8	20.0
Naphthalene	1.023	1.003		-2.0	
4-Chloroaniline	0.346	0.311		-10.1	
Hexachlorobutadiene	0.205	0.199		-2.9	20.0
Caprolactam	0.092	0.078		-15.2	
4-Chloro-3-methylphenol	0.318	0.290		-8.8	20.0
2-Methylnaphthalene	0.666	0.635		-4.7	
Hexachlorocyclopentadiene	0.170	0.203	0.050	19.4	
2,4,6-Trichlorophenol	0.374	0.355		-5.1	20.0
2-Fluorobiphenyl	1.303	1.281		-1.7	
2,4,5-Trichlorophenol	0.404	0.386		-4.5	
1,1-Biphenyl	1.488	1.459		-1.9	
2-Chloronaphthalene	1.115	1.121		0.5	
2-Nitroaniline	0.400	0.369		-7.8	
Dimethylphthalate	1.309	1.211		-7.5	
Acenaphthylene	1.696	1.637		-3.5	
2,6-Dinitrotoluene	0.296	0.276		-6.8	
3-Nitroaniline	0.302	0.252		-16.6	
Acenaphthene	1.164	1.123		-3.5	20.0
2,4-Dinitrophenol	0.159	0.150	0.050	-5.7	
4-Nitrophenol	0.230	0.236	0.050	2.6	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ROMA02

Lab Code: CHEM Case No.: P4258 SAS No.: P4258 SDG No.: P4258

Instrument ID: BNA_F Calibration Date/Time: 10/14/2024 14:30

Lab File ID: BF139787.D Init. Calib. Date(s): 10/01/2024 10/01/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 14:05 17:22

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.630	1.540		-5.5	
2,4-Dinitrotoluene	0.387	0.345		-10.9	
Diethylphthalate	1.352	1.182		-12.6	
4-Chlorophenyl-phenylether	0.650	0.608		-6.5	
Fluorene	1.298	1.210		-6.8	
4-Nitroaniline	0.309	0.241		-22.0	
4,6-Dinitro-2-methylphenol	0.113	0.104		-8.0	
n-Nitrosodiphenylamine	0.590	0.617		4.6	20.0
2,4,6-Tribromophenol	0.193	0.161		-16.6	
4-Bromophenyl-phenylether	0.205	0.214		4.4	
Hexachlorobenzene	0.228	0.229		0.4	
Atrazine	0.158	0.140		-11.4	
Pentachlorophenol	0.135	0.137		1.5	20.0
Phenanthrene	0.943	0.917		-2.8	
Anthracene	0.933	0.894		-4.2	
Carbazole	0.896	0.791		-11.7	
Di-n-butylphthalate	1.090	0.971		-10.9	
Fluoranthene	1.031	0.870		-15.6	20.0
Pyrene	1.789	1.797		0.4	
Terphenyl-d14	1.219	1.193		-2.1	
Butylbenzylphthalate	0.640	0.651		1.7	
3,3-Dichlorobenzidine	0.402	0.421		4.7	
Benzo(a)anthracene	1.315	1.280		-2.7	
Chrysene	1.202	1.167		-2.9	
Bis(2-ethylhexyl)phthalate	0.799	0.898		12.4	
Di-n-octyl phthalate	1.174	1.541		31.3	20.0
Benzo(b)fluoranthene	1.293	1.106		-14.5	
Benzo(k)fluoranthene	1.097	1.001		-8.8	
Benzo(a)pyrene	1.020	0.920		-9.8	20.0
Indeno(1,2,3-cd)pyrene	1.177	1.084		-7.9	
Dibenzo(a,h)anthracene	0.976	0.833		-14.7	
Benzo(g,h,i)perylene	0.979	0.937		-4.3	
1,2,4,5-Tetrachlorobenzene	0.555	0.564		1.6	
1,4-Dioxane	0.499	0.482		-3.4	20.0
2,3,4,6-Tetrachlorophenol	0.326	0.276		-15.3	

All other compounds must meet a minimum RRF of 0.010.

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ROMA02

Lab Code: CHEM Case No.: P4258 SAS No.: P4258 SDG No.: P4258

Instrument ID: BNA_F Calibration Date/Time: 10/21/2024 09:57

Lab File ID: BF139892.D Init. Calib. Date(s): 10/18/2024 10/18/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:27 13:46

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.278	1.253		-2.0	
Benzaldehyde	0.931	0.814		-12.6	
Phenol-d6	1.655	1.618		-2.2	
Phenol	1.706	1.701		-0.3	20.0
bis(2-Chloroethyl)ether	1.319	1.298		-1.6	
2-Chlorophenol	1.306	1.302		-0.3	
2-Methylphenol	1.114	1.099		-1.3	
2,2-oxybis(1-Chloropropane)	2.248	2.201		-2.1	
Acetophenone	0.490	0.481		-1.8	
3+4-Methylphenols	1.424	1.398		-1.8	
n-Nitroso-di-n-propylamine	1.004	0.965	0.050	-3.9	
Nitrobenzene-d5	0.361	0.370		2.5	
Hexachloroethane	0.534	0.539		0.9	
Nitrobenzene	0.396	0.395		-0.3	
Isophorone	0.685	0.677		-1.2	
2-Nitrophenol	0.149	0.157		5.4	20.0
2,4-Dimethylphenol	0.249	0.243		-2.4	
bis(2-Chloroethoxy)methane	0.415	0.418		0.7	
2,4-Dichlorophenol	0.283	0.286		1.1	20.0
Naphthalene	1.031	1.026		-0.5	
4-Chloroaniline	0.352	0.354		0.6	
Hexachlorobutadiene	0.197	0.202		2.5	20.0
Caprolactam	0.090	0.085		-5.6	
4-Chloro-3-methylphenol	0.314	0.311		-1.0	20.0
2-Methylnaphthalene	0.632	0.627		-0.8	
Hexachlorocyclopentadiene	0.188	0.209	0.050	11.2	
2,4,6-Trichlorophenol	0.382	0.378		-1.0	20.0
2-Fluorobiphenyl	1.210	1.182		-2.3	
2,4,5-Trichlorophenol	0.394	0.415		5.3	
1,1-Biphenyl	1.392	1.400		0.6	
2-Chloronaphthalene	1.121	1.125		0.4	
2-Nitroaniline	0.343	0.354		3.2	
Dimethylphthalate	1.246	1.237		-0.7	
Acenaphthylene	1.621	1.614		-0.4	
2,6-Dinitrotoluene	0.270	0.275		1.9	
3-Nitroaniline	0.278	0.282		1.4	
Acenaphthene	1.049	1.050		0.1	20.0
2,4-Dinitrophenol	0.093	0.104	0.050	11.8	
4-Nitrophenol	0.214	0.218	0.050	1.9	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ROMA02

Lab Code: CHEM Case No.: P4258 SAS No.: P4258 SDG No.: P4258

Instrument ID: BNA_F Calibration Date/Time: 10/21/2024 09:57

Lab File ID: BF139892.D Init. Calib. Date(s): 10/18/2024 10/18/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:27 13:46

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.505	1.506		0.1	
2,4-Dinitrotoluene	0.332	0.343		3.3	
Diethylphthalate	1.223	1.206		-1.4	
4-Chlorophenyl-phenylether	0.579	0.575		-0.7	
Fluorene	1.146	1.118		-2.4	
4-Nitroaniline	0.263	0.269		2.3	
4,6-Dinitro-2-methylphenol	0.082	0.091		11.0	
n-Nitrosodiphenylamine	0.599	0.601		0.3	20.0
2,4,6-Tribromophenol	0.187	0.195		4.3	
4-Bromophenyl-phenylether	0.206	0.215		4.4	
Hexachlorobenzene	0.232	0.240		3.4	
Atrazine	0.162	0.162		0.0	
Pentachlorophenol	0.141	0.155		9.9	20.0
Phenanthrene	0.945	0.931		-1.5	
Anthracene	0.922	0.920		-0.2	
Carbazole	0.857	0.827		-3.5	
Di-n-butylphthalate	0.990	0.946		-4.4	
Fluoranthene	0.955	0.907		-5.0	20.0
Pyrene	1.751	1.911		9.1	
Terphenyl-d14	1.227	1.303		6.2	
Butylbenzylphthalate	0.525	0.537		2.3	
3,3-Dichlorobenzidine	0.380	0.390		2.6	
Benzo(a)anthracene	1.302	1.326		1.8	
Chrysene	1.194	1.209		1.3	
Bis(2-ethylhexyl)phthalate	0.589	0.666		13.1	
Di-n-octyl phthalate	1.071	1.261		17.7	20.0
Benzo(b)fluoranthene	1.218	1.234		1.3	
Benzo(k)fluoranthene	1.051	0.938		-10.8	
Benzo(a)pyrene	1.002	1.009		0.7	20.0
Indeno(1,2,3-cd)pyrene	1.287	1.495		16.2	
Dibenzo(a,h)anthracene	1.073	1.250		16.5	
Benzo(g,h,i)perylene	1.072	1.278		19.2	
1,2,4,5-Tetrachlorobenzene	0.540	0.552		2.2	
1,4-Dioxane	0.596	0.584		-2.0	20.0
2,3,4,6-Tetrachlorophenol	0.309	0.313		1.3	

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ROMA02

Lab Code: CHEM Case No.: P4258 SAS No.: P4258 SDG No.: P4258

Instrument ID: BNA_F Calibration Date/Time: 10/22/2024 09:39

Lab File ID: BF139917.D Init. Calib. Date(s): 10/18/2024 10/18/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:27 13:46

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.278	1.261		-1.3	
Benzaldehyde	0.931	0.912		-2.0	
Phenol-d6	1.655	1.609		-2.8	
Phenol	1.706	1.663		-2.5	20.0
bis(2-Chloroethyl)ether	1.319	1.282		-2.8	
2-Chlorophenol	1.306	1.309		0.2	
2-Methylphenol	1.114	1.094		-1.8	
2,2-oxybis(1-Chloropropane)	2.248	2.110		-6.1	
Acetophenone	0.490	0.478		-2.4	
3+4-Methylphenols	1.424	1.403		-1.5	
n-Nitroso-di-n-propylamine	1.004	0.945	0.050	-5.9	
Nitrobenzene-d5	0.361	0.380		5.3	
Hexachloroethane	0.534	0.540		1.1	
Nitrobenzene	0.396	0.402		1.5	
Isophorone	0.685	0.670		-2.2	
2-Nitrophenol	0.149	0.173		16.1	20.0
2,4-Dimethylphenol	0.249	0.244		-2.0	
bis(2-Chloroethoxy)methane	0.415	0.406		-2.2	
2,4-Dichlorophenol	0.283	0.288		1.8	20.0
Naphthalene	1.031	1.032		0.1	
4-Chloroaniline	0.352	0.351		-0.3	
Hexachlorobutadiene	0.197	0.204		3.6	20.0
Caprolactam	0.090	0.089		-1.1	
4-Chloro-3-methylphenol	0.314	0.312		-0.6	20.0
2-Methylnaphthalene	0.632	0.628		-0.6	
Hexachlorocyclopentadiene	0.188	0.217	0.050	15.4	
2,4,6-Trichlorophenol	0.382	0.408		6.8	20.0
2-Fluorobiphenyl	1.210	1.182		-2.3	
2,4,5-Trichlorophenol	0.394	0.398		1.0	
1,1-Biphenyl	1.392	1.379		-0.9	
2-Chloronaphthalene	1.121	1.123		0.2	
2-Nitroaniline	0.343	0.368		7.3	
Dimethylphthalate	1.246	1.243		-0.2	
Acenaphthylene	1.621	1.606		-0.9	
2,6-Dinitrotoluene	0.270	0.288		6.7	
3-Nitroaniline	0.278	0.290		4.3	
Acenaphthene	1.049	1.063		1.3	20.0
2,4-Dinitrophenol	0.093	0.135	0.050	45.2	
4-Nitrophenol	0.214	0.236	0.050	10.3	

Form VII SV-1

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ROMA02

Lab Code: CHEM Case No.: P4258 SAS No.: P4258 SDG No.: P4258

Instrument ID: BNA_F Calibration Date/Time: 10/22/2024 09:39

Lab File ID: BF139917.D Init. Calib. Date(s): 10/18/2024 10/18/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:27 13:46

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.505	1.486		-1.3	
2,4-Dinitrotoluene	0.332	0.383		15.4	
Diethylphthalate	1.223	1.207		-1.3	
4-Chlorophenyl-phenylether	0.579	0.588		1.6	
Fluorene	1.146	1.131		-1.3	
4-Nitroaniline	0.263	0.284		8.0	
4,6-Dinitro-2-methylphenol	0.082	0.110		34.1	
n-Nitrosodiphenylamine	0.599	0.590		-1.5	20.0
2,4,6-Tribromophenol	0.187	0.203		8.6	
4-Bromophenyl-phenylether	0.206	0.210		1.9	
Hexachlorobenzene	0.232	0.234		0.9	
Atrazine	0.162	0.167		3.1	
Pentachlorophenol	0.141	0.161		14.2	20.0
Phenanthrene	0.945	0.922		-2.4	
Anthracene	0.922	0.911		-1.2	
Carbazole	0.857	0.835		-2.6	
Di-n-butylphthalate	0.990	0.962		-2.8	
Fluoranthene	0.955	0.943		-1.3	20.0
Pyrene	1.751	1.947		11.2	
Terphenyl-d14	1.227	1.333		8.6	
Butylbenzylphthalate	0.525	0.554		5.5	
3,3-Dichlorobenzidine	0.380	0.418		10.0	
Benzo(a)anthracene	1.302	1.298		-0.3	
Chrysene	1.194	1.200		0.5	
Bis(2-ethylhexyl)phthalate	0.589	0.653		10.9	
Di-n-octyl phthalate	1.071	1.174		9.6	20.0
Benzo(b)fluoranthene	1.218	1.212		-0.5	
Benzo(k)fluoranthene	1.051	0.968		-7.9	
Benzo(a)pyrene	1.002	1.008		0.6	20.0
Indeno(1,2,3-cd)pyrene	1.287	1.475		14.6	
Dibenzo(a,h)anthracene	1.073	1.220		13.7	
Benzo(g,h,i)perylene	1.072	1.265		18.0	
1,2,4,5-Tetrachlorobenzene	0.540	0.546		1.1	
1,4-Dioxane	0.596	0.558		-6.4	20.0
2,3,4,6-Tetrachlorophenol	0.309	0.325		5.2	

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

SAMPLE RAW DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101424\
Data File : BF139794.D
Acq On : 14 Oct 2024 17:56
Operator : RC/JU
Sample : P4258-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
Chamberlain Ave

Quant Time: Oct 14 18:26:34 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 02 04:58:47 2024
Response via : Initial Calibration

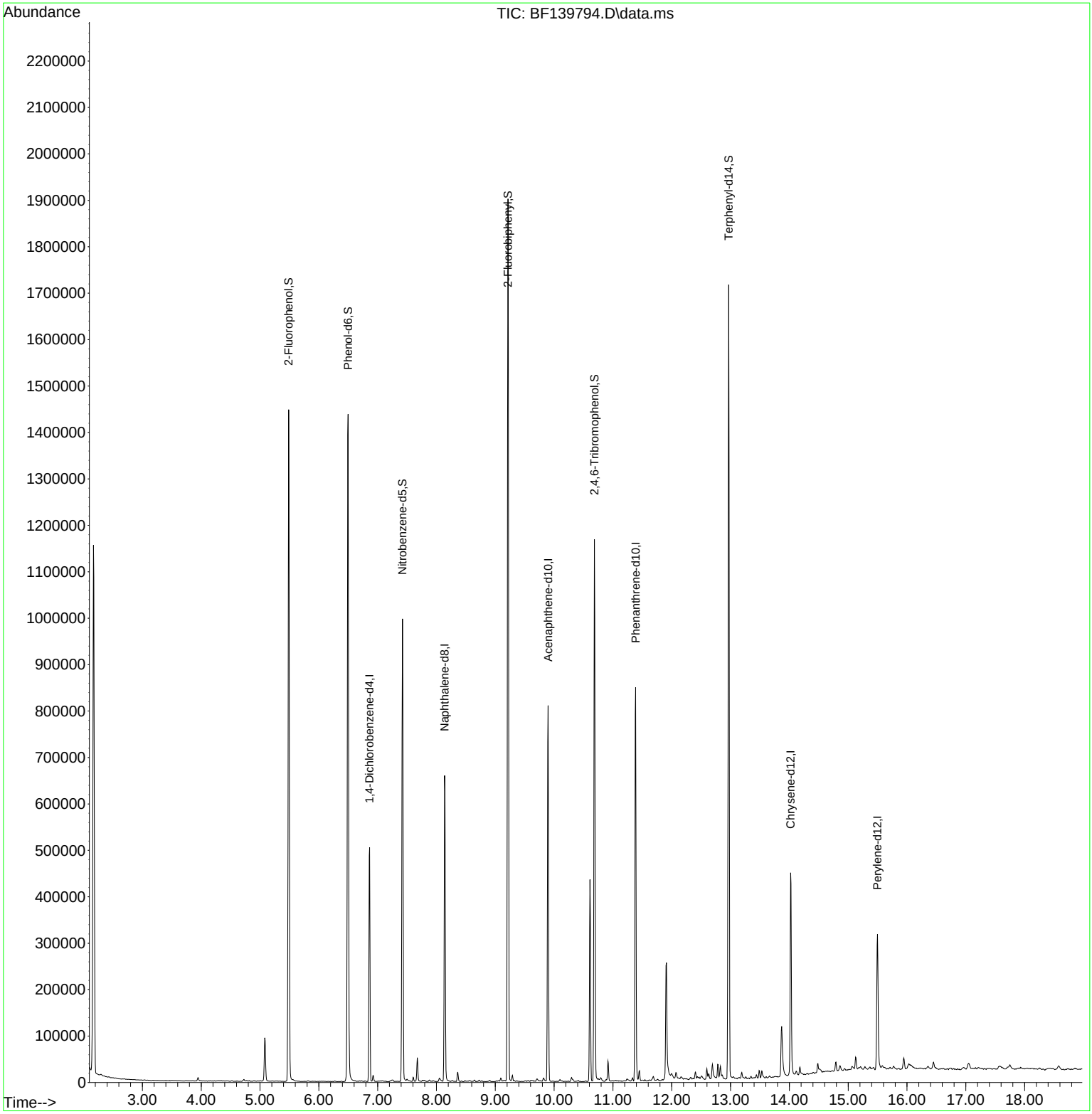
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	105117	20.000	ng	0.00
21) Naphthalene-d8	8.139	136	416218	20.000	ng	-0.01
39) Acenaphthene-d10	9.898	164	238846	20.000	ng	-0.01
64) Phenanthrene-d10	11.386	188	453325	20.000	ng	0.00
76) Chrysene-d12	14.021	240	213480	20.000	ng	-0.01
86) Perylene-d12	15.498	264	177491	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	511418	84.326	ng	0.00
7) Phenol-d6	6.498	99	675068	82.772	ng	0.00
23) Nitrobenzene-d5	7.422	82	439865	53.507	ng	-0.01
42) 2,4,6-Tribromophenol	10.686	330	180418	78.250	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	823845	52.953	ng	-0.01
79) Terphenyl-d14	12.969	244	827799	63.626	ng	-0.01
Target Compounds						Qvalue

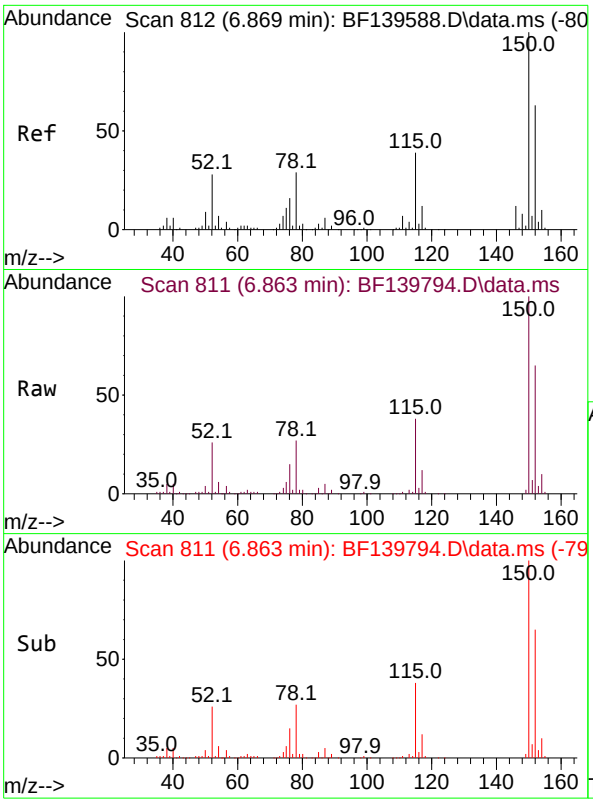
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101424\
Data File : BF139794.D
Acq On : 14 Oct 2024 17:56
Operator : RC/JU
Sample : P4258-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
Chamberlain Ave

Quant Time: Oct 14 18:26:34 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 02 04:58:47 2024
Response via : Initial Calibration



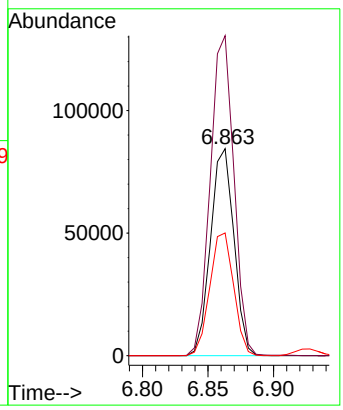


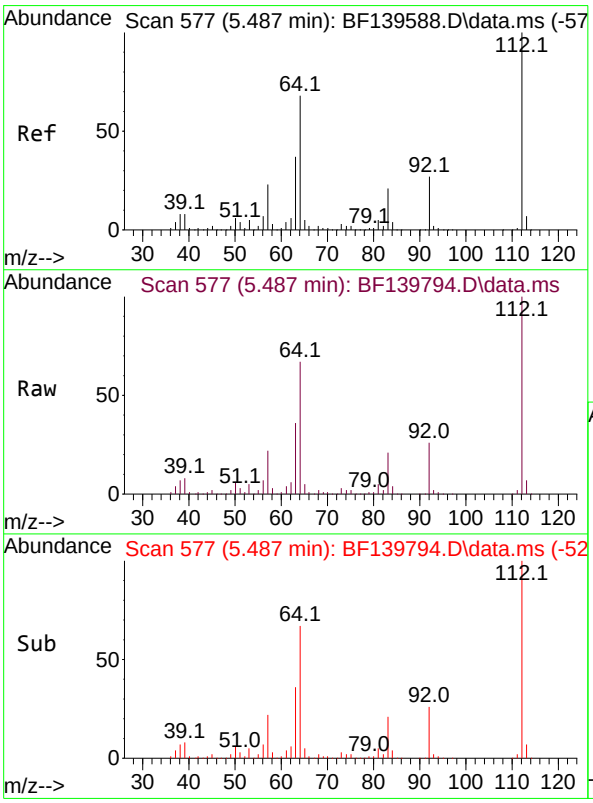
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF139794.D
Acq: 14 Oct 2024 17:56

Instrument :
BNA_F
ClientSampleId :
Chamberlain Ave

Tgt Ion:152 Resp: 105117

Ion	Ratio	Lower	Upper
152	100		
150	154.5	127.2	190.8
115	59.3	49.0	73.4

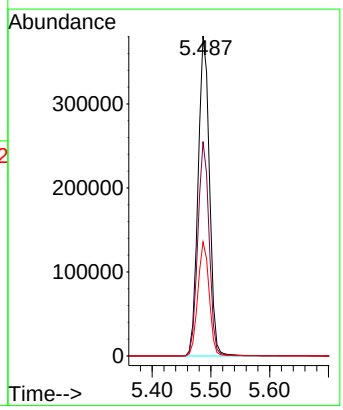


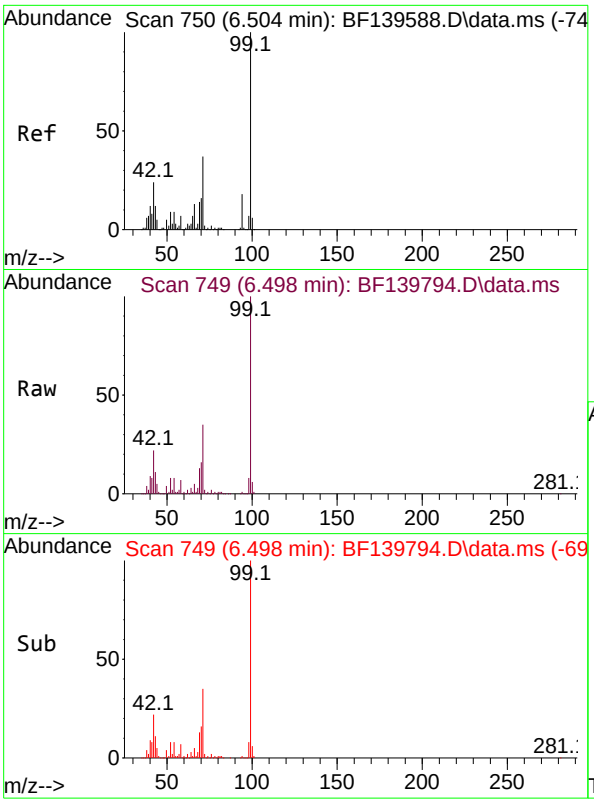


#5
2-Fluorophenol
Concen: 84.326 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.000 min
Lab File: BF139794.D
Acq: 14 Oct 2024 17:56

Tgt Ion:112 Resp: 511418

Ion	Ratio	Lower	Upper
112	100		
64	67.0	54.2	81.4
63	35.6	29.4	44.2



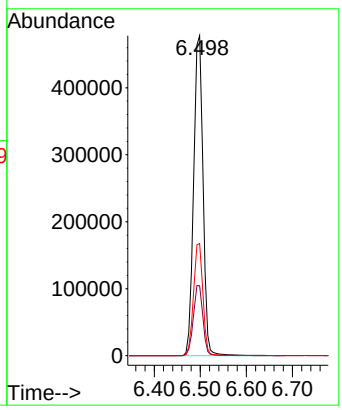


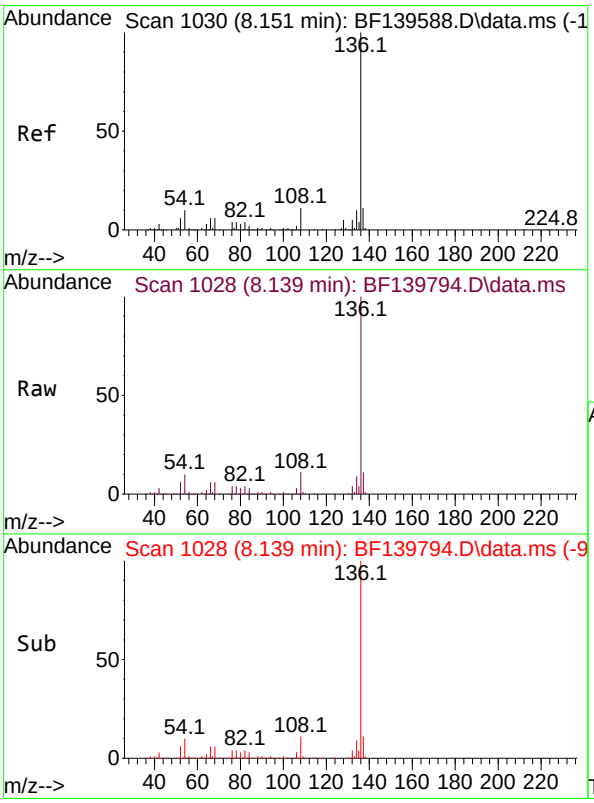
#7
Phenol-d6
Concen: 82.772 ng
RT: 6.498 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF139794.D
Acq: 14 Oct 2024 17:56

Instrument :
BNA_F
ClientSampleId :
Chamberlain Ave

Tgt Ion: 99 Resp: 675068

Ion	Ratio	Lower	Upper
99	100		
42	21.9	19.1	28.7
71	35.1	29.7	44.5

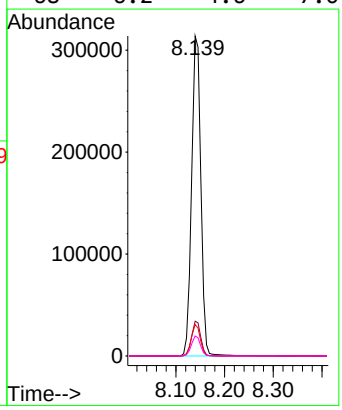


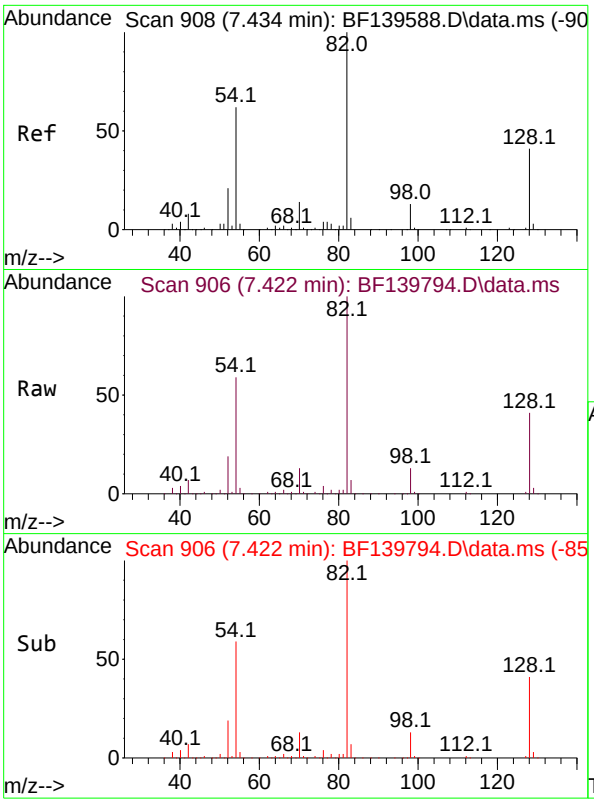


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.139 min Scan# 1028
Delta R.T. -0.012 min
Lab File: BF139794.D
Acq: 14 Oct 2024 17:56

Tgt Ion:136 Resp: 416218

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	9.8	8.3	12.5
68	6.2	4.6	7.0



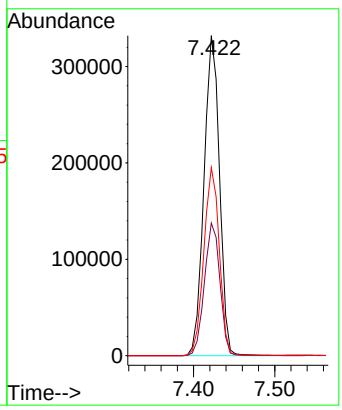


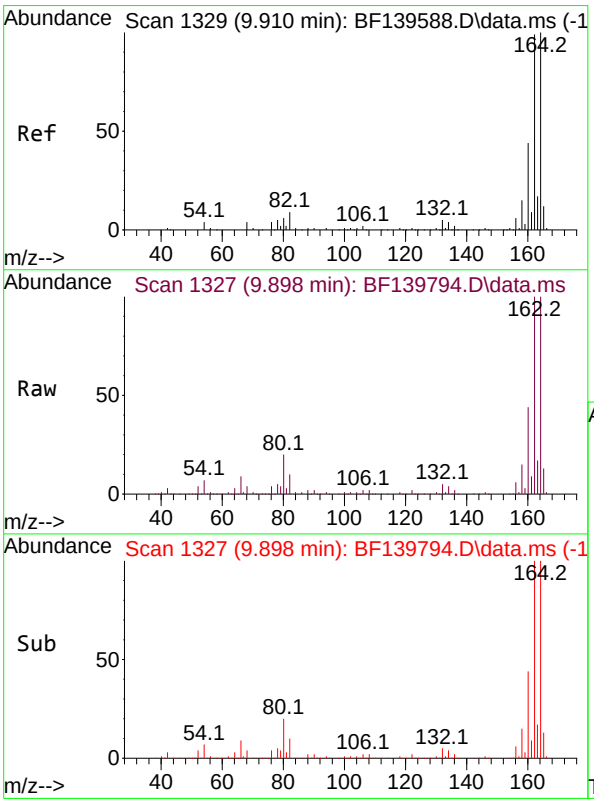
#23
Nitrobenzene-d5
Concen: 53.507 ng
RT: 7.422 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF139794.D
Acq: 14 Oct 2024 17:56

Instrument :
BNA_F
ClientSampleId :
Chamberlain Ave

Tgt Ion: 82 Resp: 439865

Ion	Ratio	Lower	Upper
82	100		
128	41.4	32.4	48.6
54	58.8	49.1	73.7

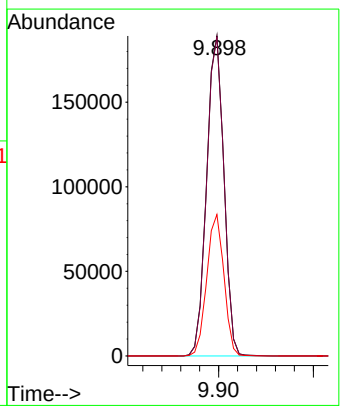


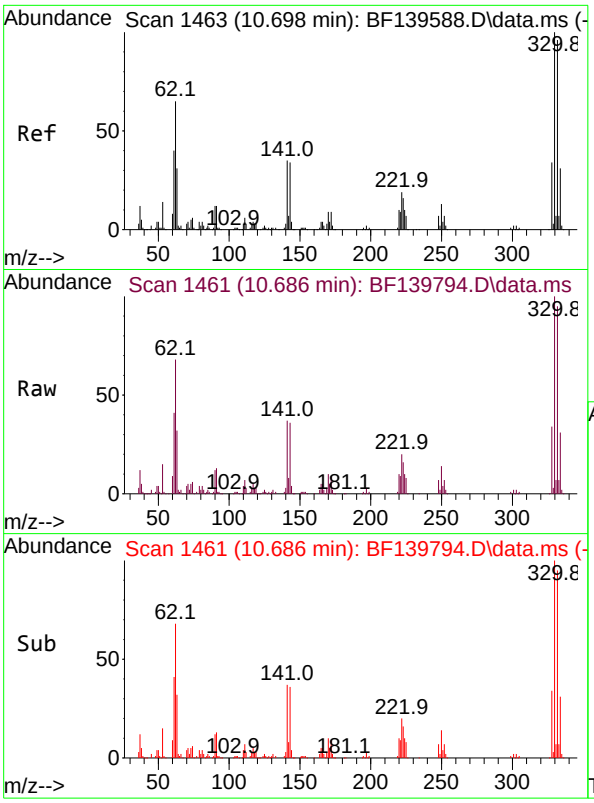


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.012 min
Lab File: BF139794.D
Acq: 14 Oct 2024 17:56

Tgt Ion:164 Resp: 238846

Ion	Ratio	Lower	Upper
164	100		
162	99.7	79.4	119.0
160	44.2	35.1	52.7



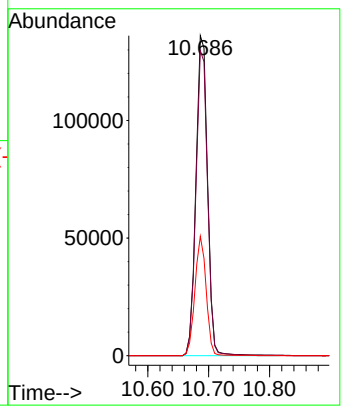


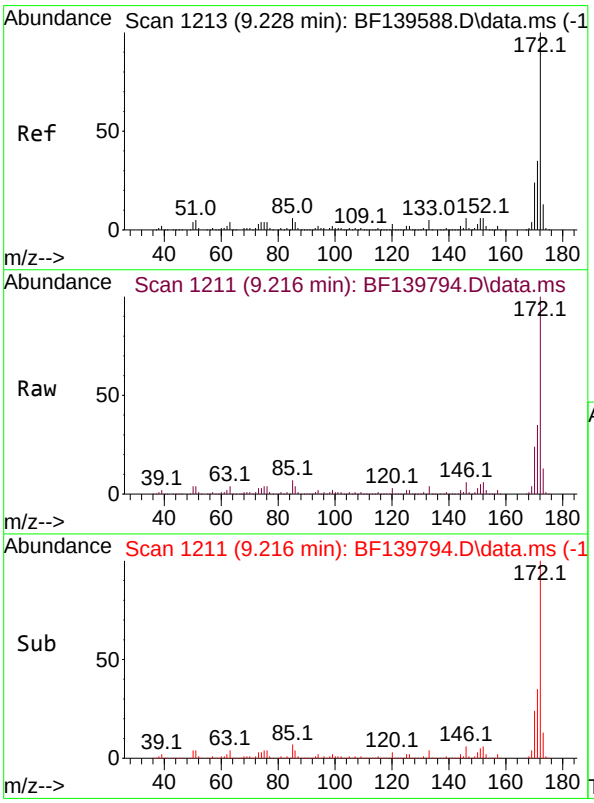
#42
2,4,6-Tribromophenol
Concen: 78.250 ng
RT: 10.686 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF139794.D
Acq: 14 Oct 2024 17:56

Instrument :
BNA_F
ClientSampleId :
Chamberlain Ave

Tgt Ion:330 Resp: 180418

Ion	Ratio	Lower	Upper
330	100		
332	95.5	76.5	114.7
141	36.0	29.3	43.9

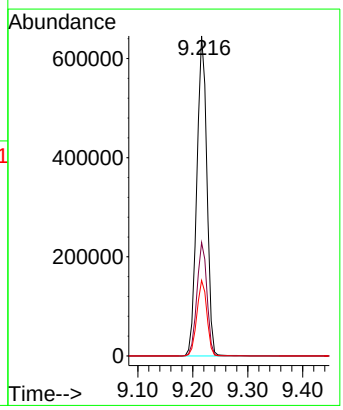


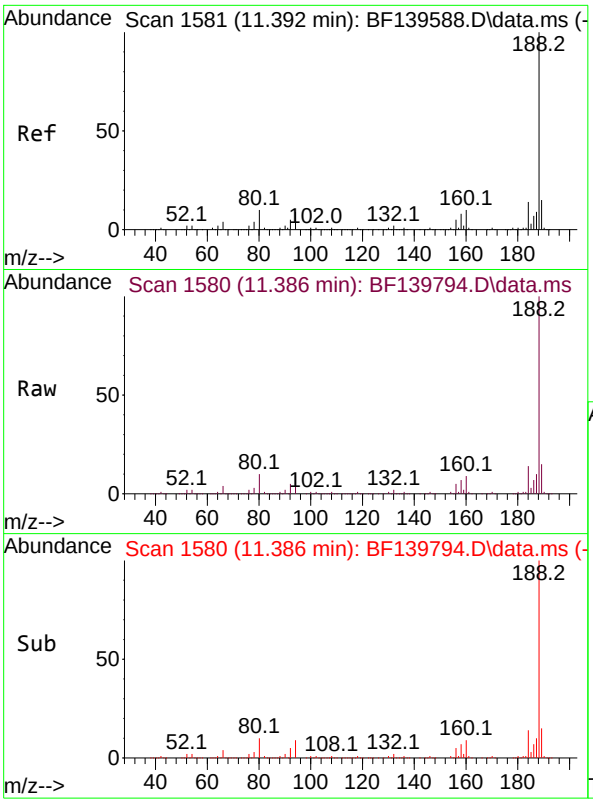


#45
2-Fluorobiphenyl
Concen: 52.953 ng
RT: 9.216 min Scan# 1211
Delta R.T. -0.012 min
Lab File: BF139794.D
Acq: 14 Oct 2024 17:56

Tgt Ion:172 Resp: 823845

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.2	42.4
170	23.6	18.8	28.2



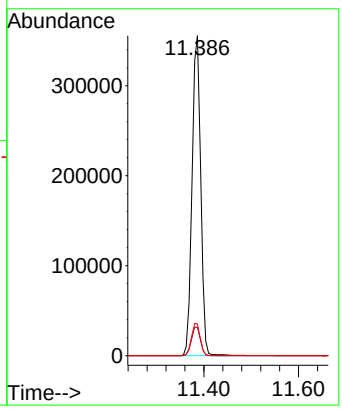


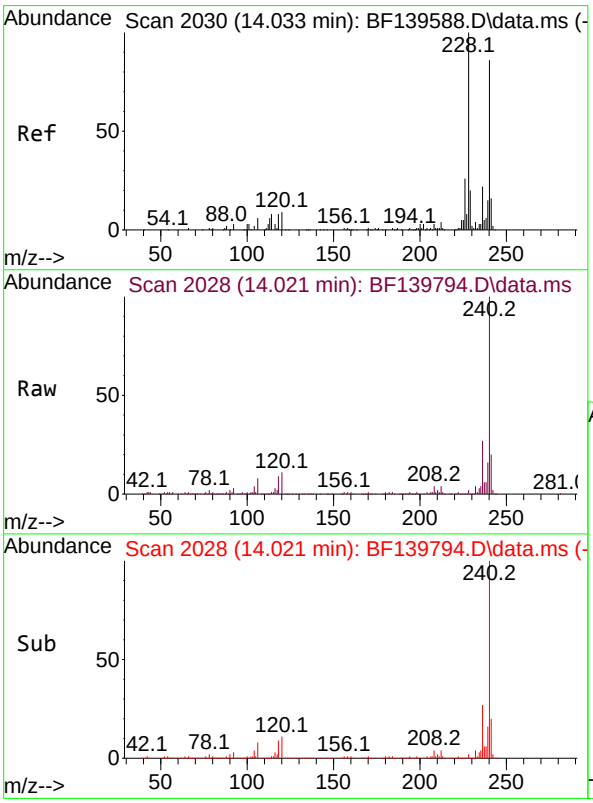
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.386 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139794.D
Acq: 14 Oct 2024 17:56

Instrument :
BNA_F
ClientSampleId :
Chamberlain Ave

Tgt Ion:188 Resp: 453325

Ion	Ratio	Lower	Upper
188	100		
94	8.9	7.4	11.2
80	9.9	8.2	12.2

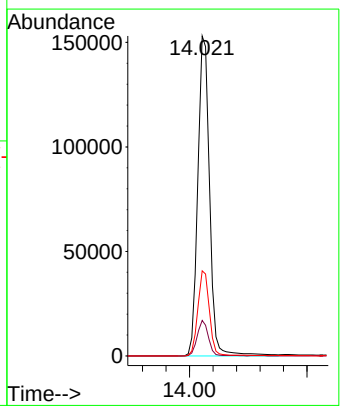


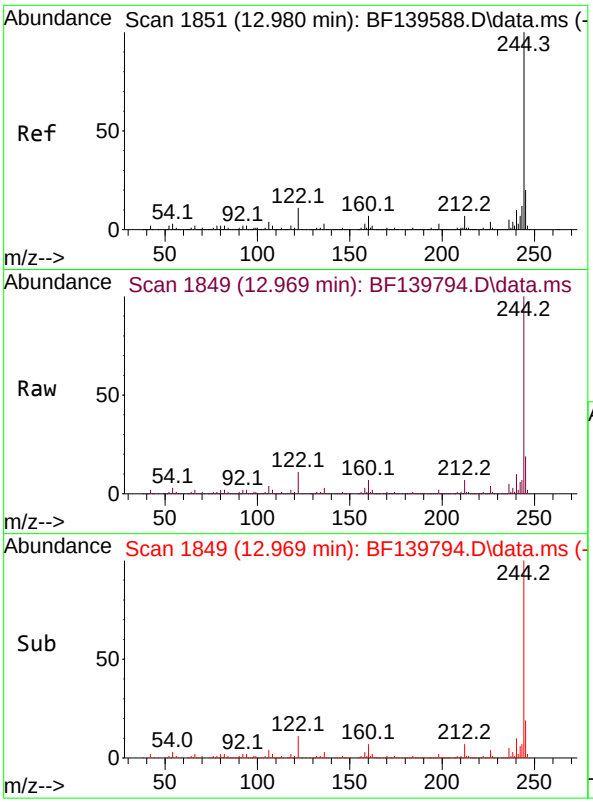


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.021 min Scan# 2028
Delta R.T. -0.012 min
Lab File: BF139794.D
Acq: 14 Oct 2024 17:56

Tgt Ion:240 Resp: 213480

Ion	Ratio	Lower	Upper
240	100		
120	11.1	8.4	12.6
236	26.6	20.3	30.5



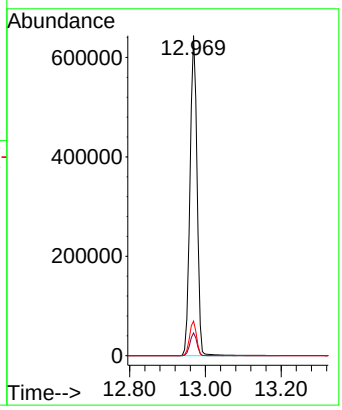


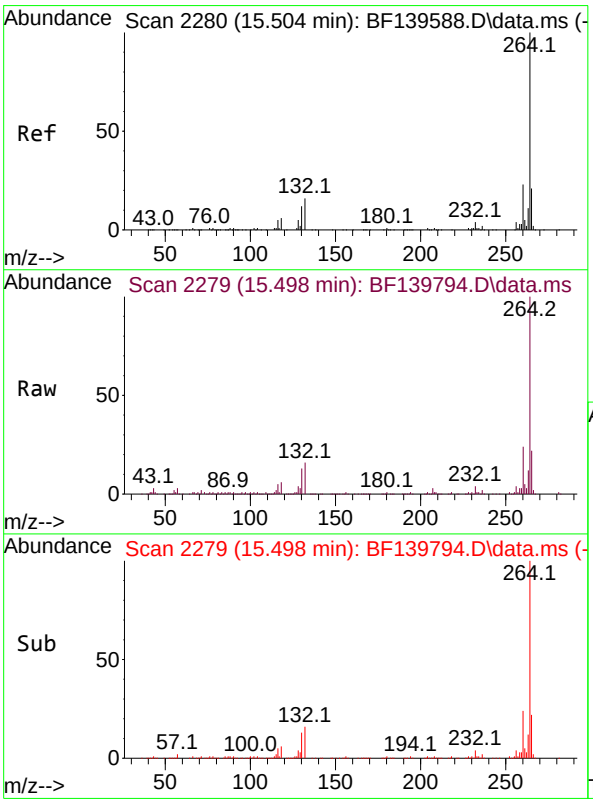
#79
Terphenyl-d14
Concen: 63.626 ng
RT: 12.969 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF139794.D
Acq: 14 Oct 2024 17:56

Instrument :
BNA_F
ClientSampleId :
Chamberlain Ave

Tgt Ion:244 Resp: 827799

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.6
122	10.8	8.6	12.8

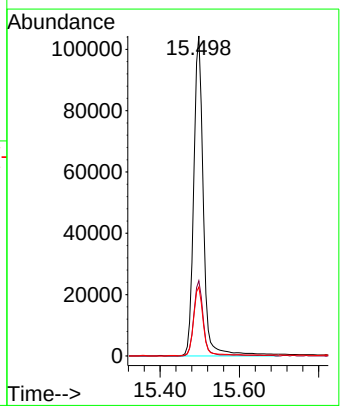




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.498 min Scan# 2279
Delta R.T. -0.006 min
Lab File: BF139794.D
Acq: 14 Oct 2024 17:56

Tgt Ion:264 Resp: 177491

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.7	28.1
265	21.5	16.9	25.3



Sample Results: **BF139794.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101424\
Data File : BF139794.D
Acq On : 14 Oct 2024 17:56
Operator : RC/JU
Sample : P4258-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
Chamberlain Ave

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100124.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF139794.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.169	6	13	31	rVB	1140800	1827158	76.05%	9.239%
2	5.081	500	508	524	rVB	93629	145304	6.05%	0.735%
3	5.487	571	577	588	rBV	1446231	1928743	80.28%	9.752%
4	6.498	736	749	774	rBV	1437505	2098728	87.36%	10.612%
5	6.863	805	811	816	rBV	503745	637404	26.53%	3.223%
6	7.422	900	906	911	rBV	996065	1313751	54.68%	6.643%
7	7.675	942	949	956	rBV	50866	65516	2.73%	0.331%
8	8.139	1023	1028	1037	rBV	658134	863480	35.94%	4.366%
9	8.363	1061	1066	1073	rVB2	19664	27408	1.14%	0.139%
10	9.216	1205	1211	1216	rBV	1900127	2402476	100.00%	12.148%
11	9.898	1321	1327	1332	rBV	808233	1022190	42.55%	5.169%
12	10.610	1440	1448	1454	rBV	434841	538364	22.41%	2.722%
13	10.686	1455	1461	1470	rBV	1166173	1502904	62.56%	7.599%
14	10.916	1496	1500	1509	rVB	43035	55456	2.31%	0.280%
15	11.386	1574	1580	1587	rBV	847940	1096879	45.66%	5.546%
16	11.451	1587	1591	1595	rVB3	21008	25852	1.08%	0.131%
17	11.910	1659	1669	1681	rBV	252902	419562	17.46%	2.121%
18	12.598	1782	1786	1789	rBV	22530	29342	1.22%	0.148%
19	12.692	1797	1802	1813	rBV	30408	53188	2.21%	0.269%
20	12.780	1813	1817	1821	rBV	29288	36796	1.53%	0.186%
21	12.827	1821	1825	1828	rBV	22229	27408	1.14%	0.139%
22	12.969	1843	1849	1854	rBV	1710437	2170237	90.33%	10.973%
23	13.868	1996	2002	2019	rBV	107812	221167	9.21%	1.118%
24	14.021	2021	2028	2038	rBV	436522	612810	25.51%	3.099%
25	14.180	2051	2055	2066	rBV	16642	27993	1.17%	0.142%
26	14.486	2102	2107	2110	rBV	19790	30470	1.27%	0.154%
27	14.792	2155	2159	2163	rVB	18433	24784	1.03%	0.125%
28	15.127	2212	2216	2222	rVB	25171	35020	1.46%	0.177%
29	15.498	2272	2279	2289	rBV	291896	497411	20.70%	2.515%
30	15.945	2350	2355	2361	rBV	23689	39357	1.64%	0.199%

Sum of corrected areas: 19777158

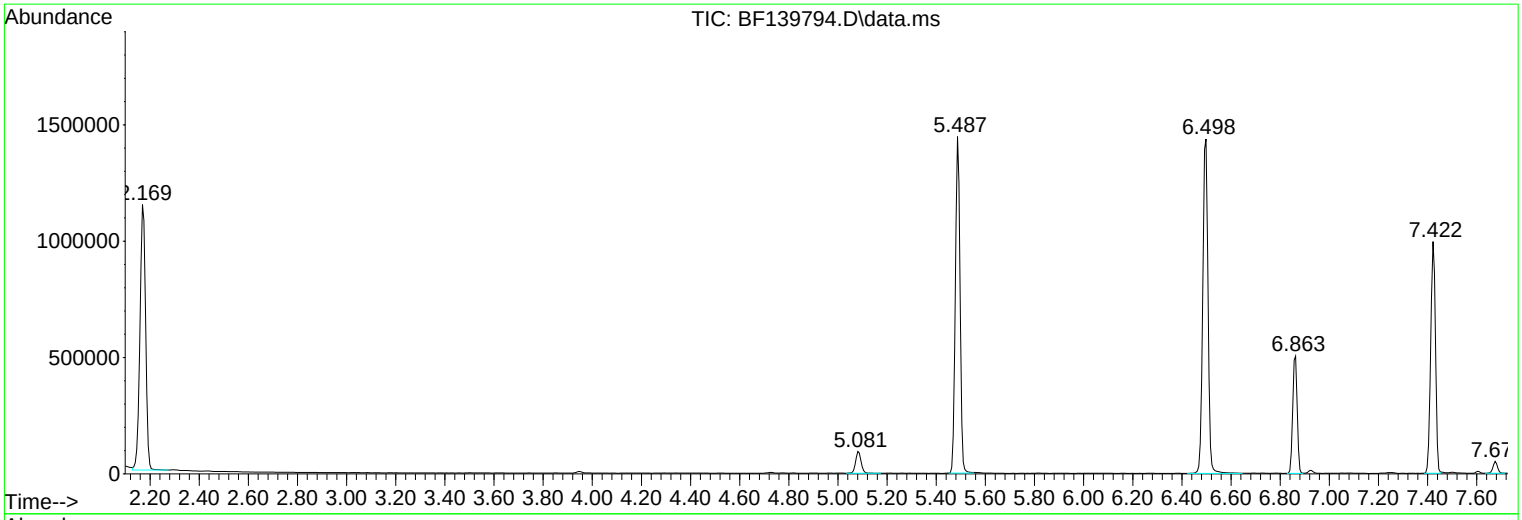
Sample Results: **BF139794.D**

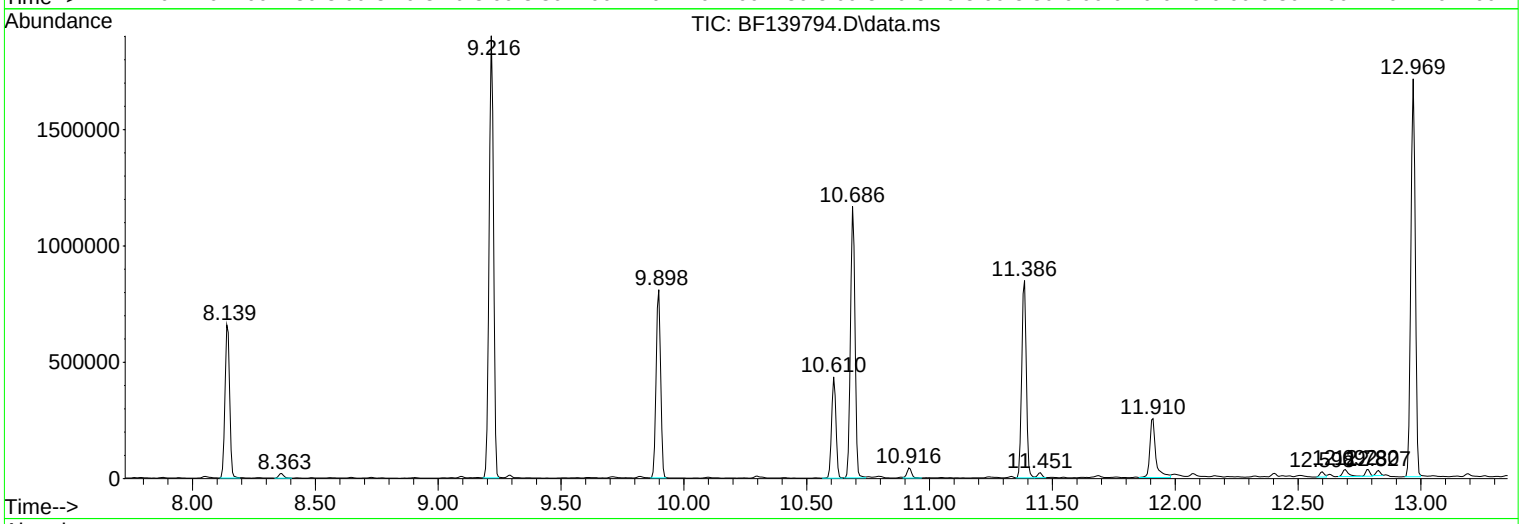
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101424\
Data File : BF139794.D
Acq On : 14 Oct 2024 17:56
Operator : RC/JU
Sample : P4258-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

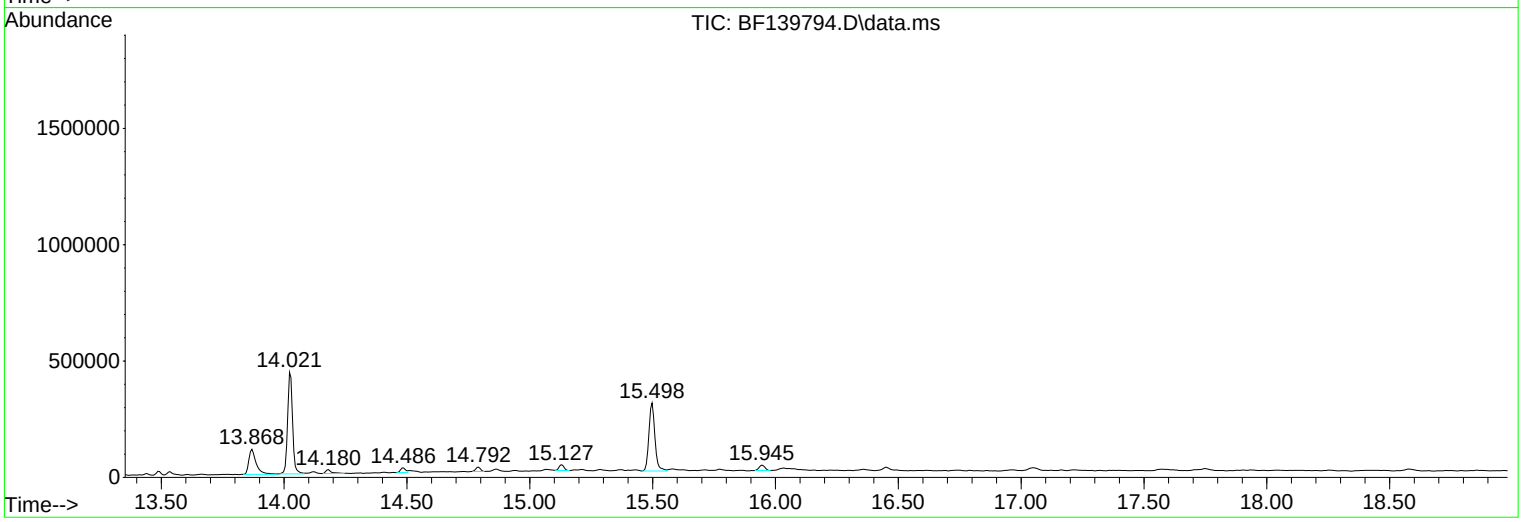
Instrument :
BNA_F
ClientSampleId :
Chamberlain Ave

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101424\
Data File : BF139794.D
Acq On : 14 Oct 2024 17:56
Operator : RC/JU
Sample : P4258-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
Chamberlain Ave

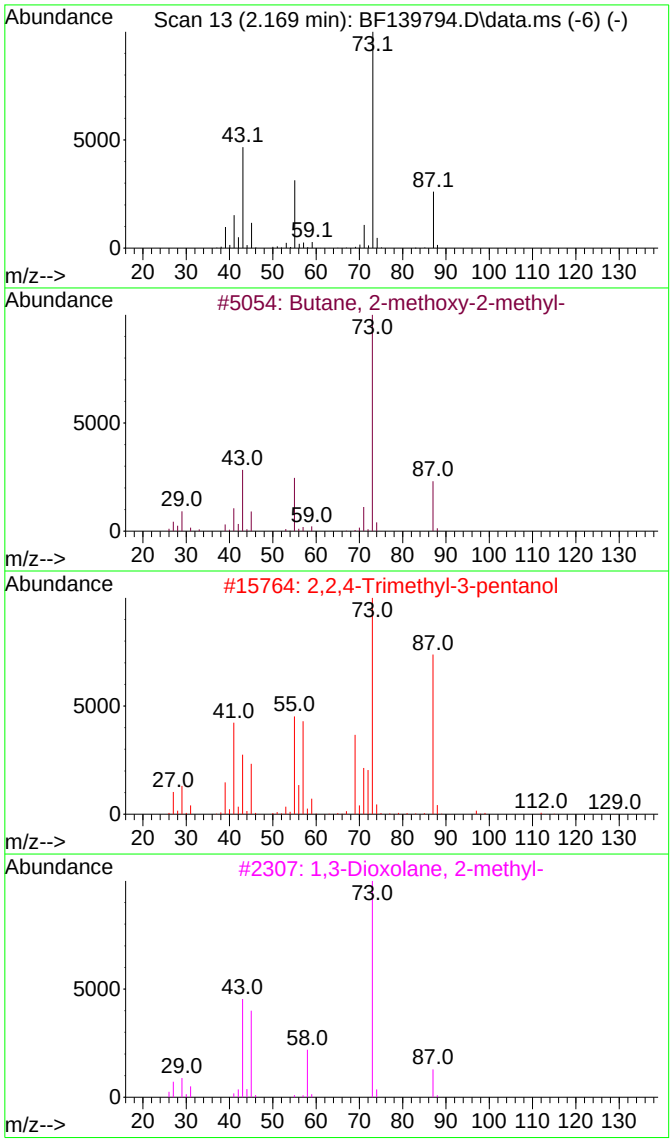
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

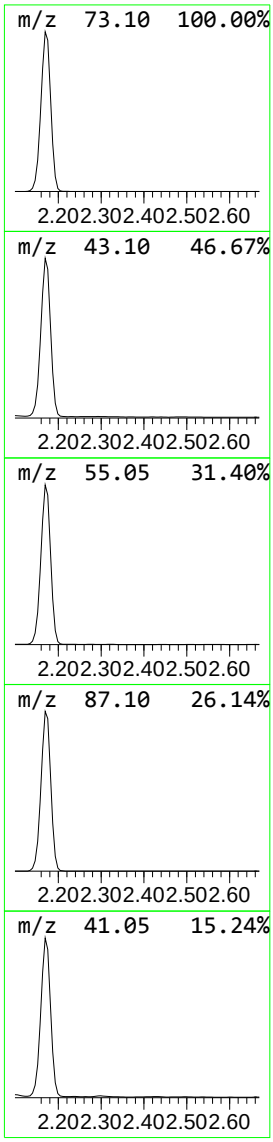
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.169	57.33 ng	1827160	1,4-Dichlorobenzene-d4	6.863

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	23
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12
5	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101424\
Data File : BF139794.D
Acq On : 14 Oct 2024 17:56
Operator : RC/JU
Sample : P4258-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
Chamberlain Ave

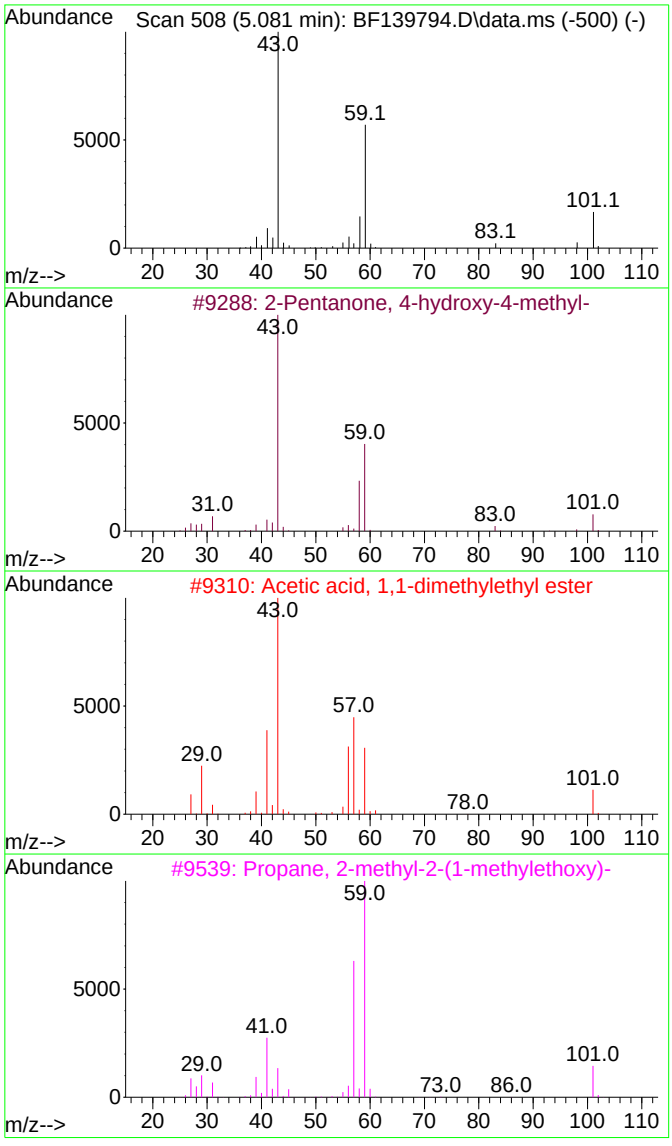
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

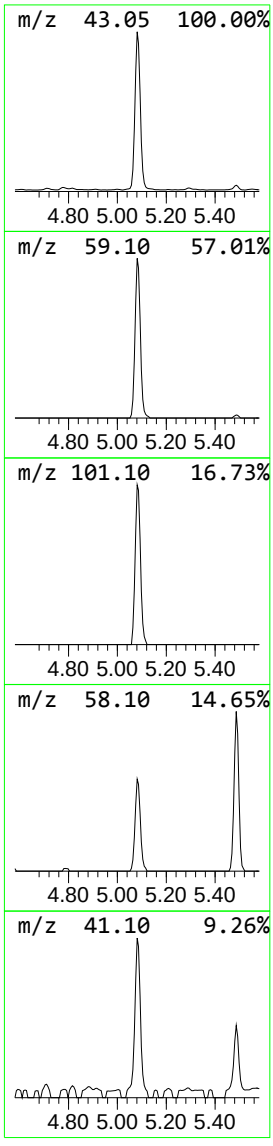
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.081	4.56 ng	145304	1,4-Dichlorobenzene-d4	6.863

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	38
3	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	36
4	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28
5	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101424\
Data File : BF139794.D
Acq On : 14 Oct 2024 17:56
Operator : RC/JU
Sample : P4258-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
Chamberlain Ave

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

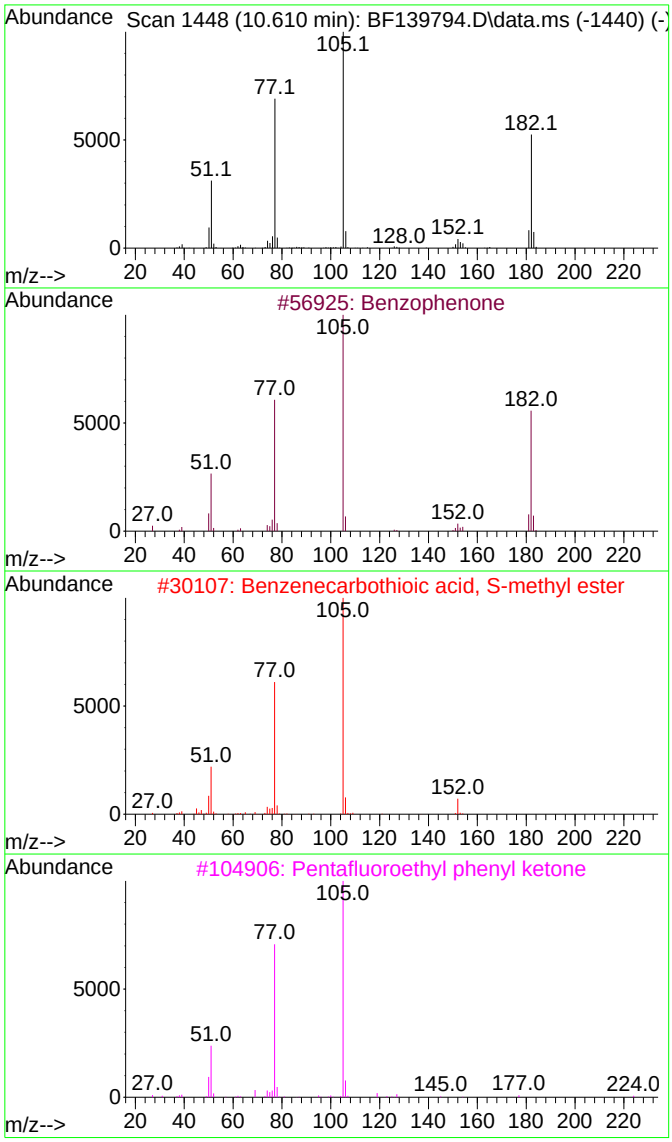
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

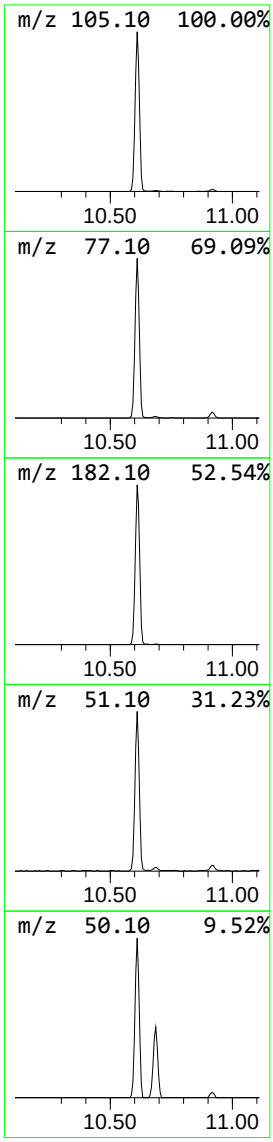
****

Peak Number 3 Benzophenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.610	10.53 ng	538364	Acenaphthene-d10	9.898

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	52
3	Pentafluoroethyl phenyl ketone	224	C9H5F5O	000394-52-5	50
4	Benzeneacetic acid, .alpha.-oxo-...	178	C10H10O3	001603-79-8	50
5	1-Propanone, 3-chloro-1-phenyl-	168	C9H9ClO	000936-59-4	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101424\
Data File : BF139794.D
Acq On : 14 Oct 2024 17:56
Operator : RC/JU
Sample : P4258-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
Chamberlain Ave

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

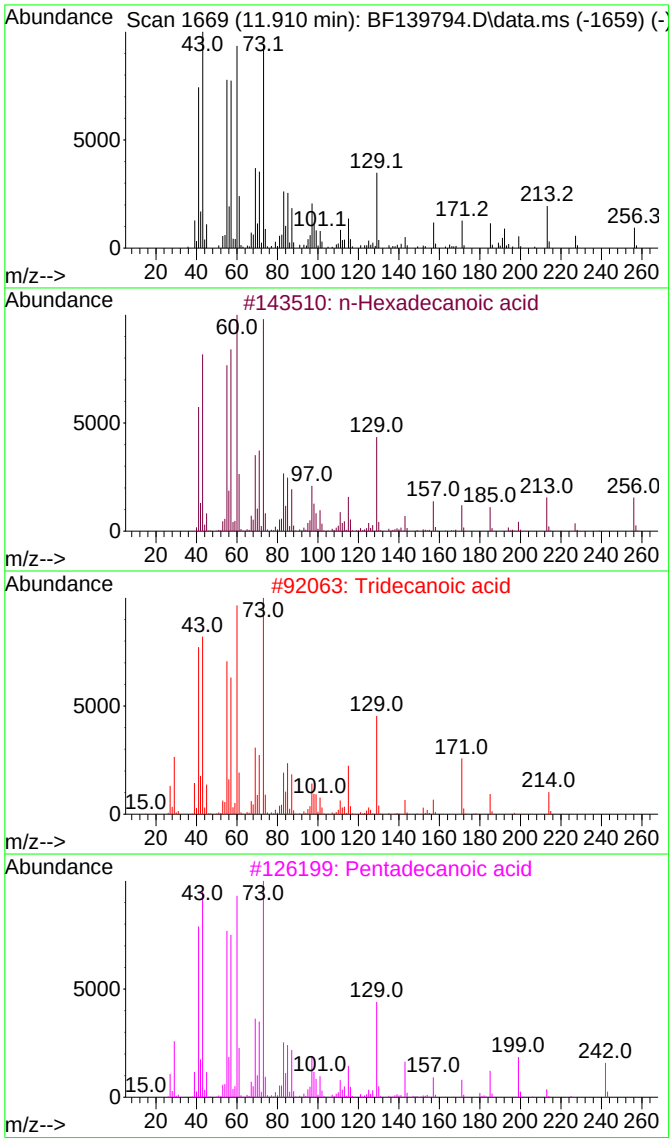
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

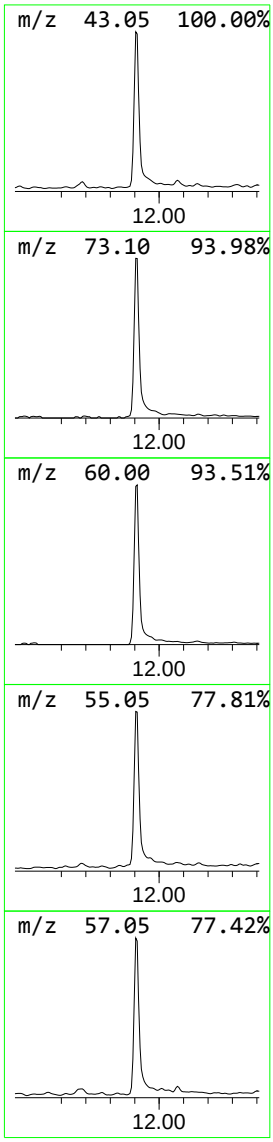
****

Peak Number 4 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.910	7.65 ng	419562	Phenanthrene-d10	11.386

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tridecanoic acid	214	C13H26O2	000638-53-9	89
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	87
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	62
5	n-Decanoic acid	172	C10H20O2	000334-48-5	60





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101424\
Data File : BF139794.D
Acq On : 14 Oct 2024 17:56
Operator : RC/JU
Sample : P4258-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
Chamberlain Ave

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

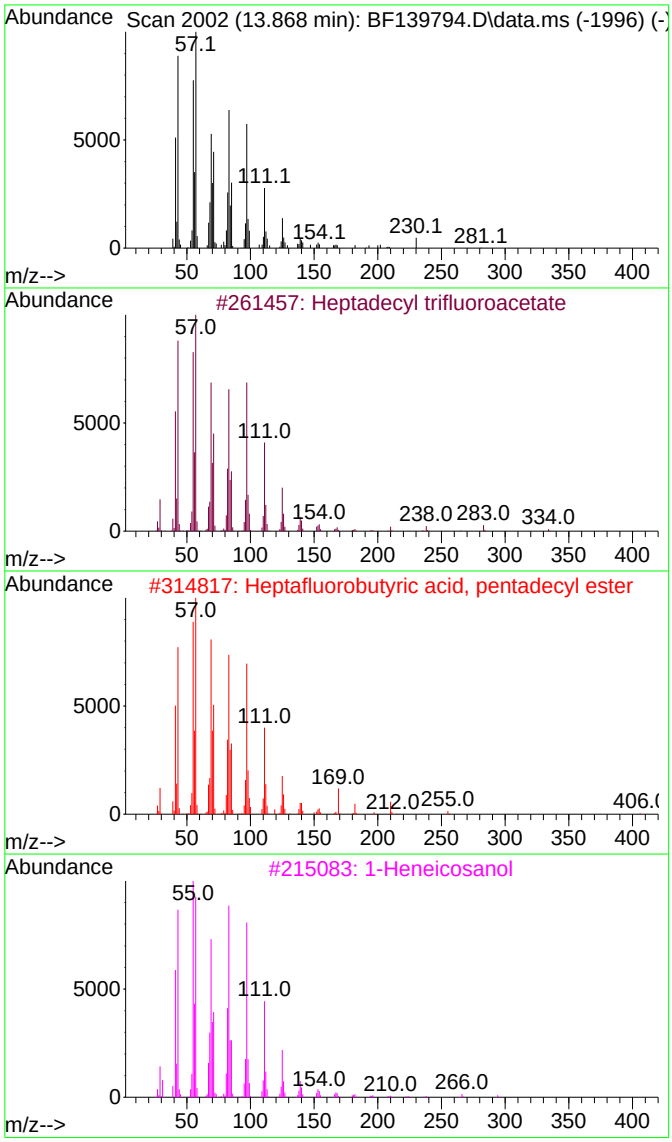
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

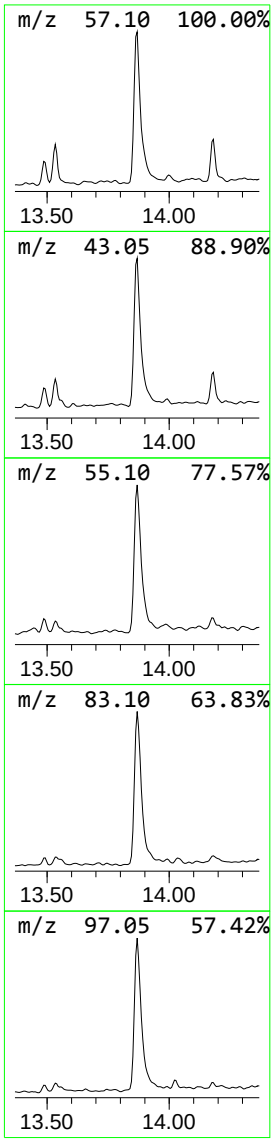
****

Peak Number 5 Heptadecyl trifluoroacetate Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.868	7.22 ng	221167	Chrysene-d12	14.021

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecyl trifluoroacetate	352	C19H35F3O2	1010351-87-0	94
2	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	94
3	1-Heneicosanol	312	C21H44O	015594-90-8	93
4	Pentafluoropropionic acid, hexad...	388	C19H33F5O2	006222-07-7	91
5	Tricosyl heptafluorobutyrate	536	C27H47F7O2	1000351-83-4	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101424\
Data File : BF139794.D
Acq On : 14 Oct 2024 17:56
Operator : RC/JU
Sample : P4258-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
Chamberlain Ave

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-metho...	2.169	57.3	ng	1827160	1	6.863	637404	20.0
2-Pentanone, 4-...	5.081	4.6	ng	145304	1	6.863	637404	20.0
Benzophenone	10.610	10.5	ng	538364	3	9.898	1022190	20.0
n-Hexadecanoic ...	11.910	7.7	ng	419562	4	11.386	1096880	20.0
Heptadecyl trif...	13.868	7.2	ng	221167	5	14.021	612810	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139920.D
Acq On : 22 Oct 2024 11:05
Operator : RC/JU
Sample : PB164071BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB164071BL

Quant Time: Oct 22 12:32:38 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

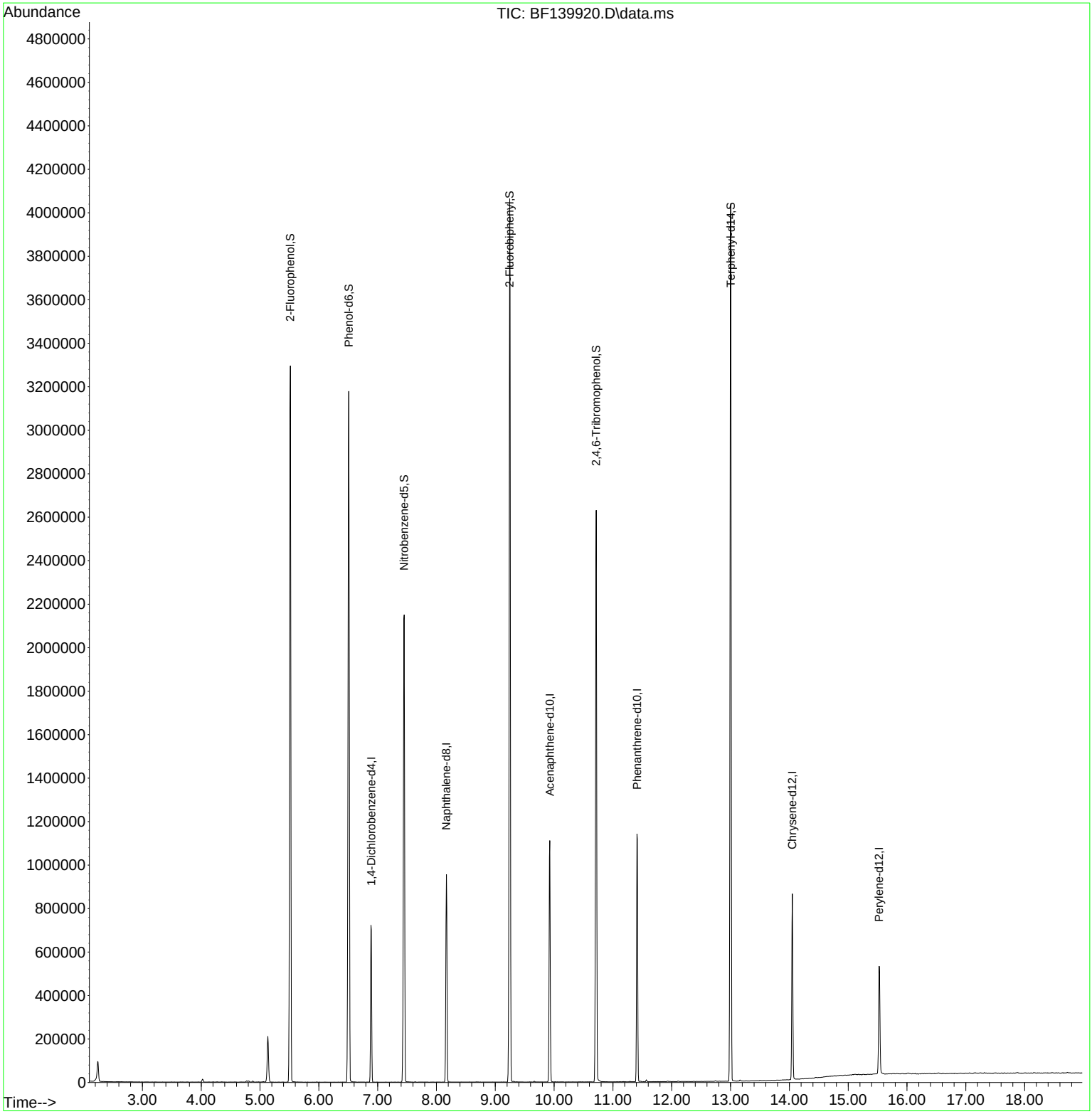
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	150261	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	593957	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	338069	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	611789	20.000	ng	0.00
76) Chrysene-d12	14.051	240	390858	20.000	ng	0.00
86) Perylene-d12	15.527	264	293996	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	1291484	134.553	ng	0.02
7) Phenol-d6	6.510	99	1640356	131.953	ng	0.00
23) Nitrobenzene-d5	7.451	82	1060228	98.933	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	475370	150.329	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1914793	93.607	ng	0.00
79) Terphenyl-d14	13.004	244	2158698	89.996	ng	0.00
Target Compounds						Qvalue

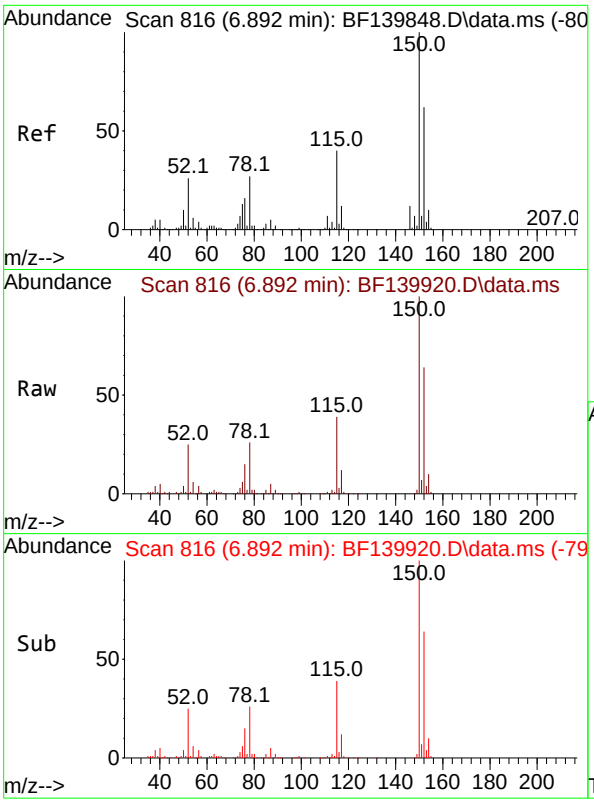
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139920.D
Acq On : 22 Oct 2024 11:05
Operator : RC/JU
Sample : PB164071BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB164071BL

Quant Time: Oct 22 12:32:38 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration



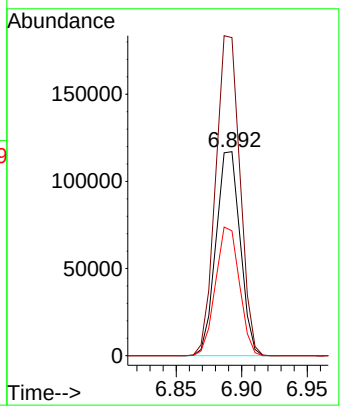


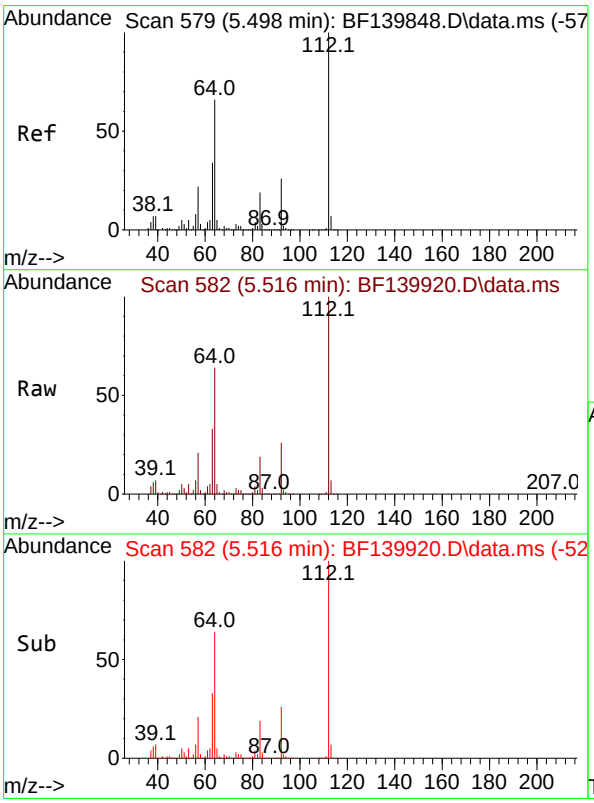
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF139920.D
Acq: 22 Oct 2024 11:05

Instrument :
BNA_F
ClientSampleId :
PB164071BL

Tgt Ion:152 Resp: 150261

Ion	Ratio	Lower	Upper
152	100		
150	156.0	130.2	195.2
115	61.2	51.4	77.2

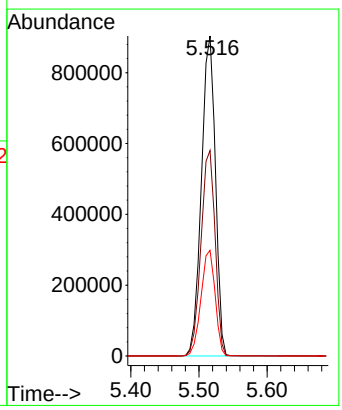


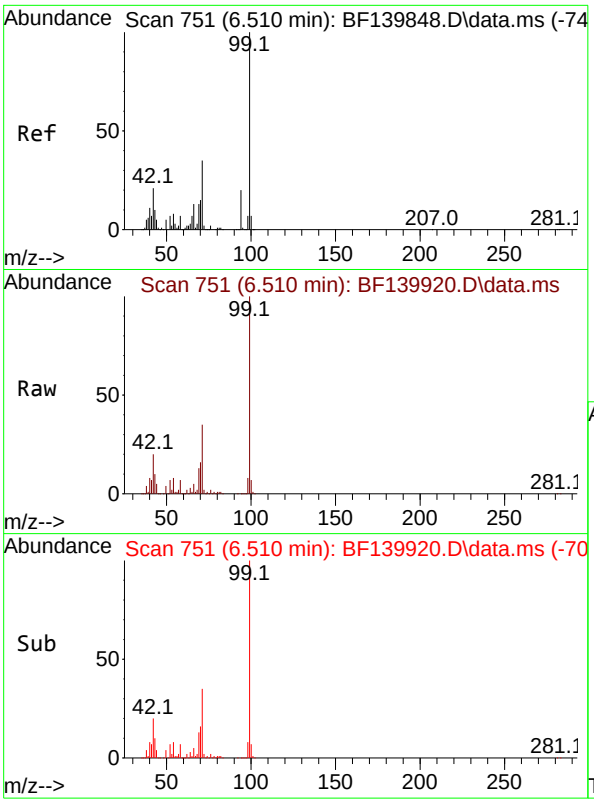


#5
2-Fluorophenol
Concen: 134.553 ng
RT: 5.516 min Scan# 582
Delta R.T. 0.018 min
Lab File: BF139920.D
Acq: 22 Oct 2024 11:05

Tgt Ion:112 Resp: 1291484

Ion	Ratio	Lower	Upper
112	100		
64	64.2	53.0	79.6
63	33.0	27.0	40.4



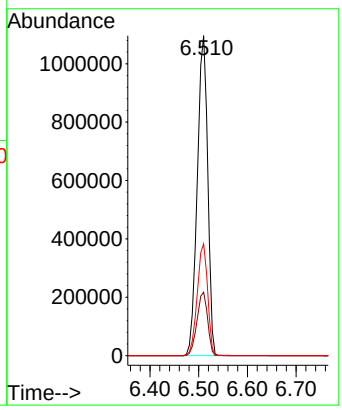


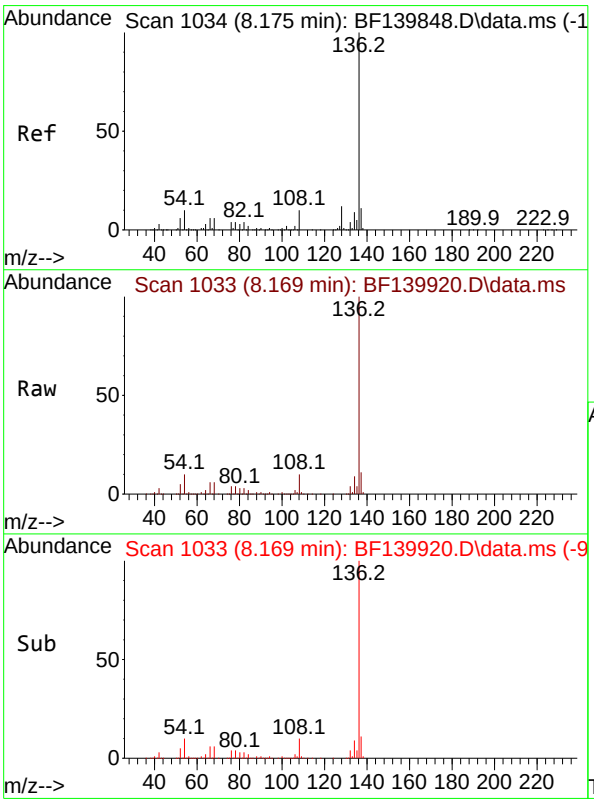
#7
Phenol-d6
Concen: 131.953 ng
RT: 6.510 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF139920.D
Acq: 22 Oct 2024 11:05

Instrument :
BNA_F
ClientSampleId :
PB164071BL

Tgt Ion: 99 Resp: 1640356

Ion	Ratio	Lower	Upper
99	100		
42	19.8	16.7	25.1
71	35.0	27.7	41.5

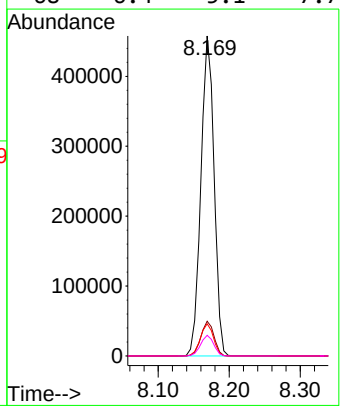


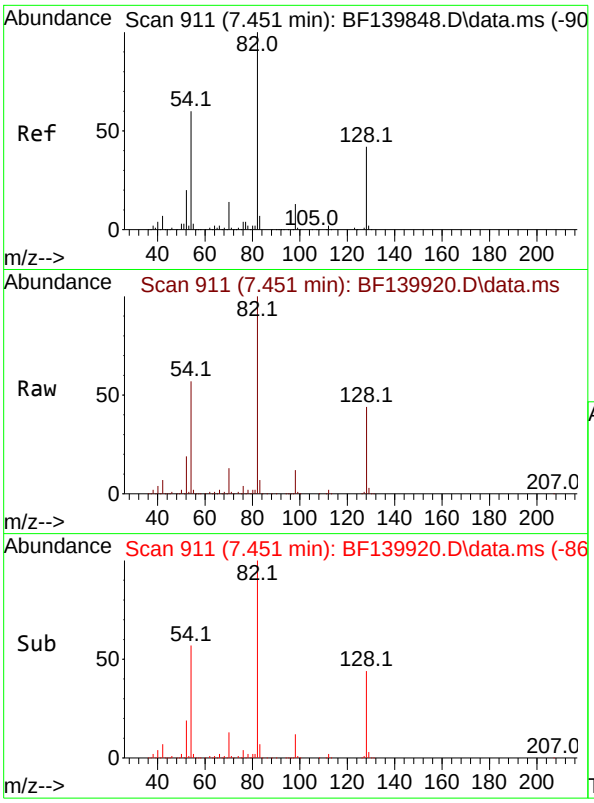


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF139920.D
Acq: 22 Oct 2024 11:05

Tgt Ion:136 Resp: 593957

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	12.8
54	10.1	8.4	12.6
68	6.4	5.1	7.7



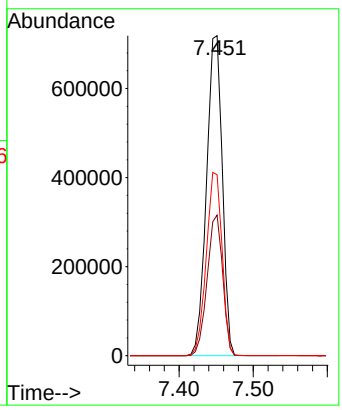


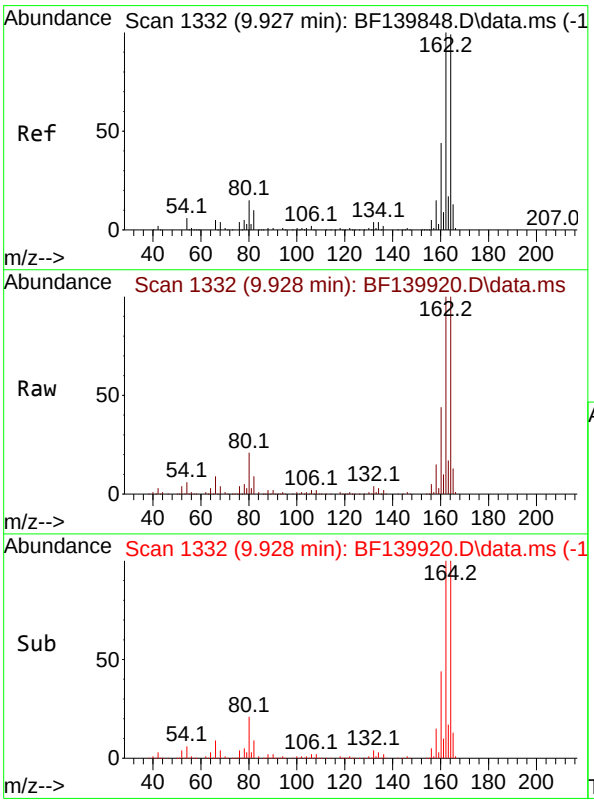
#23
Nitrobenzene-d5
Concen: 98.933 ng
RT: 7.451 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF139920.D
Acq: 22 Oct 2024 11:05

Instrument :
BNA_F
ClientSampleId :
PB164071BL

Tgt Ion: 82 Resp: 1060228

Ion	Ratio	Lower	Upper
82	100		
128	44.0	33.4	50.0
54	56.5	47.8	71.8

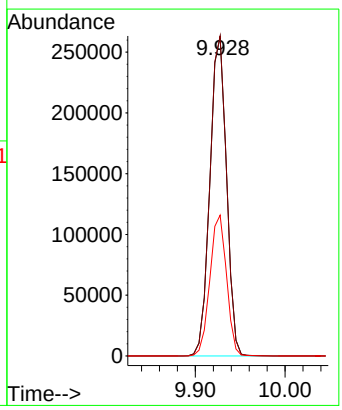


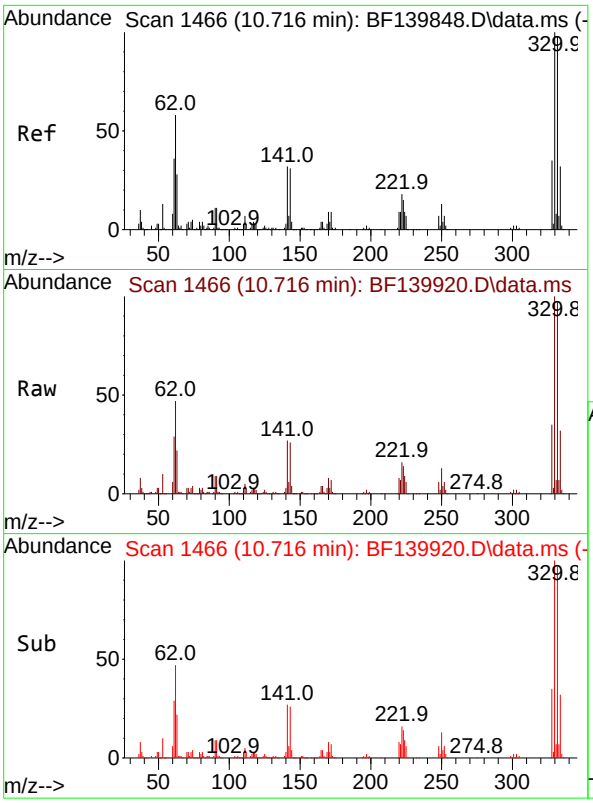


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 1332
Delta R.T. 0.001 min
Lab File: BF139920.D
Acq: 22 Oct 2024 11:05

Tgt Ion:164 Resp: 338069

Ion	Ratio	Lower	Upper
164	100		
162	100.3	81.0	121.4
160	44.1	35.4	53.0



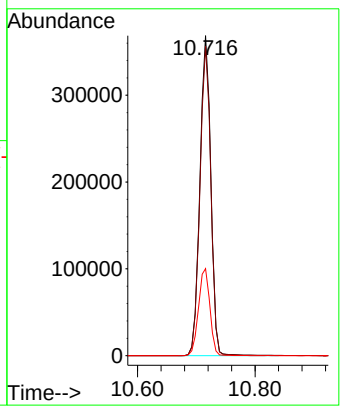


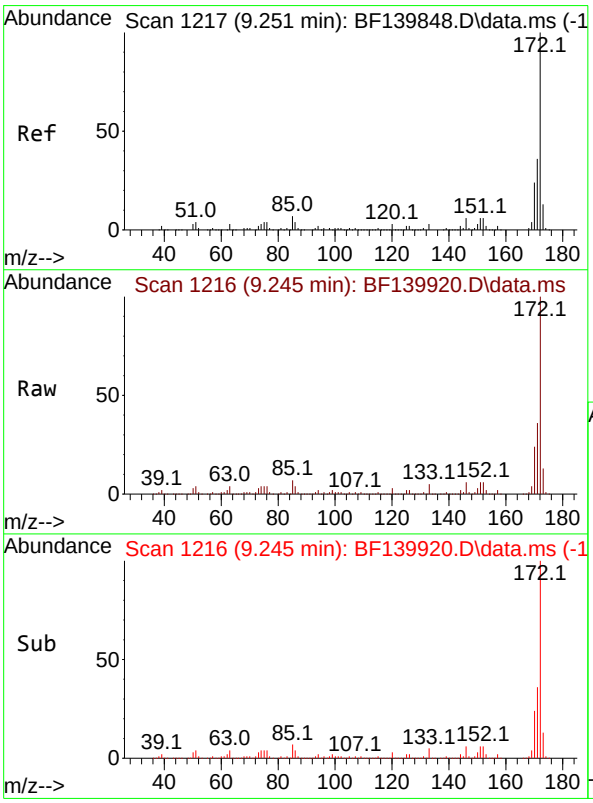
#42
2,4,6-Tribromophenol
Concen: 150.329 ng
RT: 10.716 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF139920.D
Acq: 22 Oct 2024 11:05

Instrument :
BNA_F
ClientSampleId :
PB164071BL

Tgt Ion:330 Resp: 475370

Ion	Ratio	Lower	Upper
330	100		
332	96.8	78.1	117.1
141	28.4	26.6	39.8

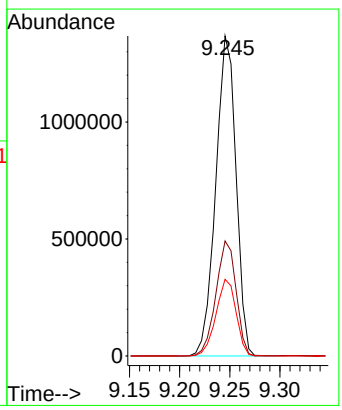


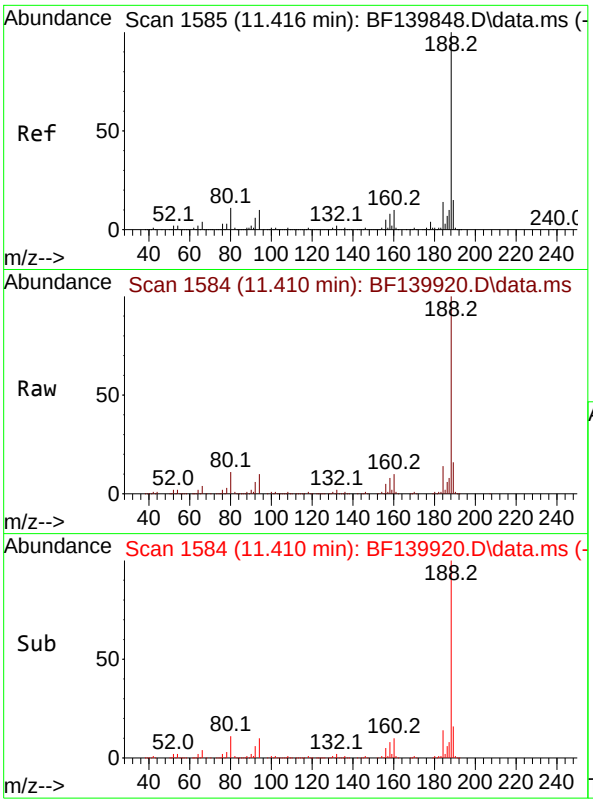


#45
2-Fluorobiphenyl
Concen: 93.607 ng
RT: 9.245 min Scan# 1216
Delta R.T. -0.006 min
Lab File: BF139920.D
Acq: 22 Oct 2024 11:05

Tgt Ion:172 Resp: 1914793

Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.6	43.0
170	23.9	19.1	28.7



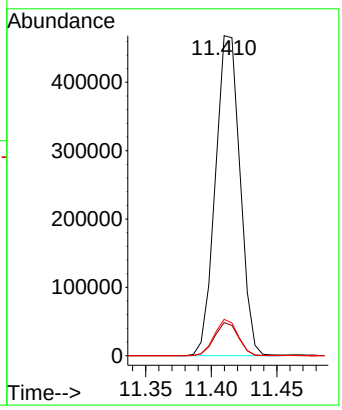


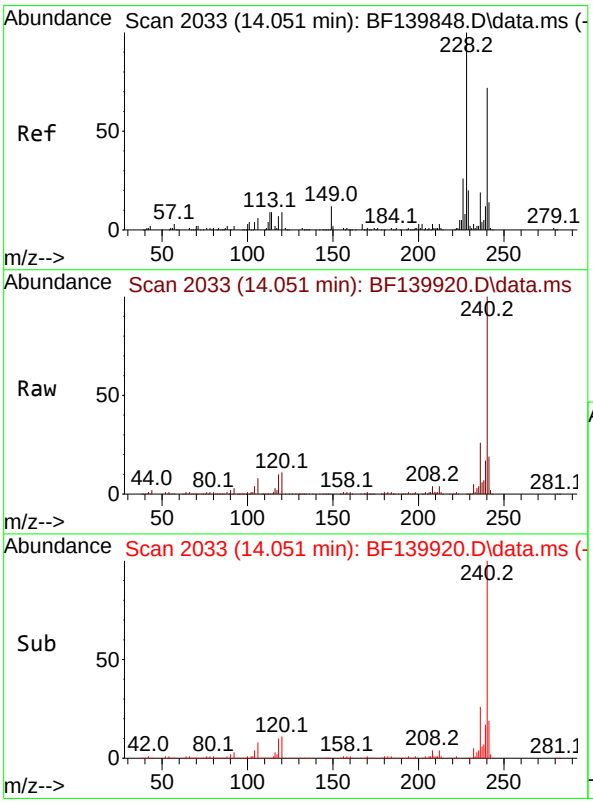
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139920.D
Acq: 22 Oct 2024 11:05

Instrument :
BNA_F
ClientSampleId :
PB164071BL

Tgt Ion:188 Resp: 611789

Ion	Ratio	Lower	Upper
188	100		
94	10.3	7.9	11.9
80	11.4	9.0	13.4

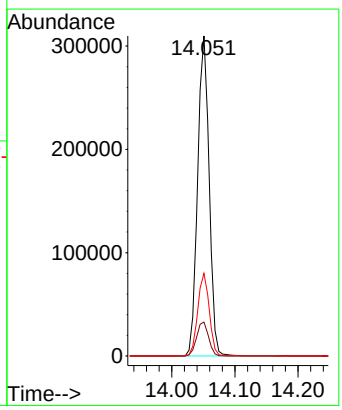


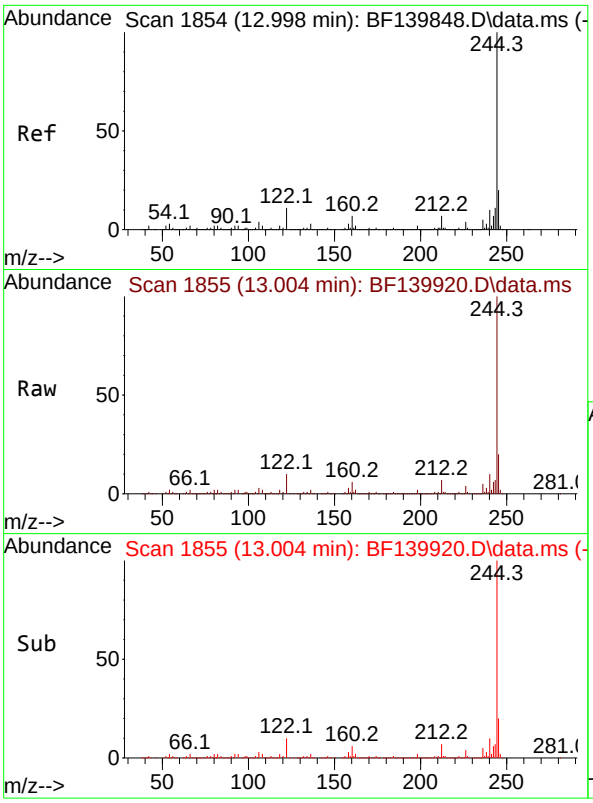


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF139920.D
Acq: 22 Oct 2024 11:05

Tgt Ion:240 Resp: 390858

Ion	Ratio	Lower	Upper
240	100		
120	10.6	9.4	14.2
236	25.8	20.9	31.3



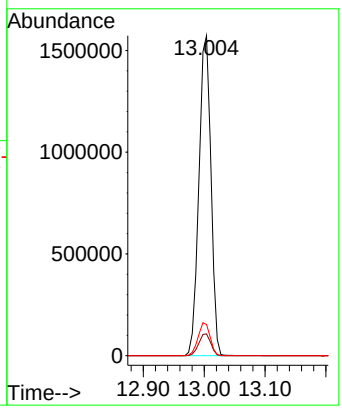


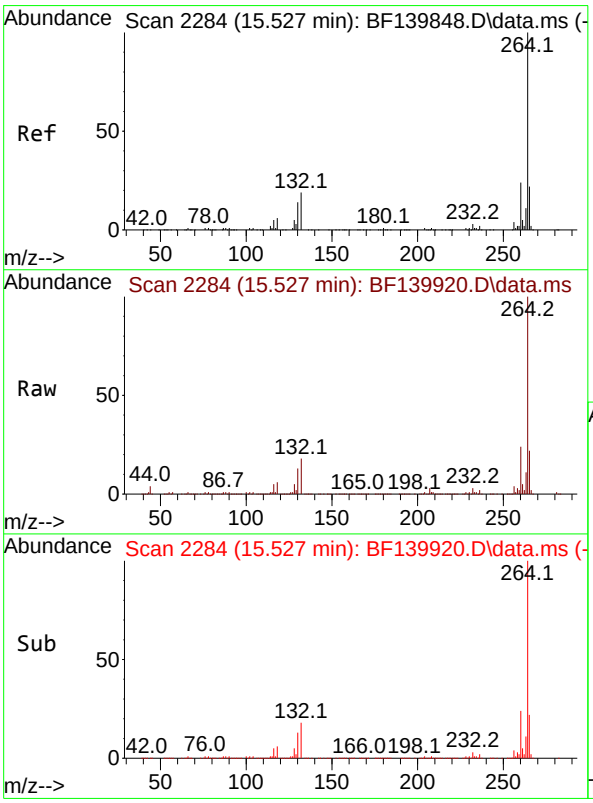
#79
Terphenyl-d14
Concen: 89.996 ng
RT: 13.004 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139920.D
Acq: 22 Oct 2024 11:05

Instrument :
BNA_F
ClientSampleId :
PB164071BL

Tgt Ion:244 Resp: 2158698

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.7	8.5
122	9.8	8.6	13.0

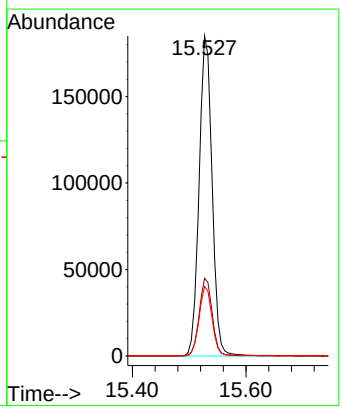




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 2284
Delta R.T. 0.000 min
Lab File: BF139920.D
Acq: 22 Oct 2024 11:05

Tgt Ion:264 Resp: 293996

Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.4	29.2
265	21.7	17.4	26.0



Sample Results: **BF139920.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139920.D
Acq On : 22 Oct 2024 11:05
Operator : RC/JU
Sample : PB164071BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB164071BL

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF139920.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.240	13	25	31	rVB	90128	172240	3.06%	0.495%
2	5.134	509	517	525	rVB	210468	343705	6.10%	0.987%
3	5.516	575	582	587	rBV	3294311	4733733	84.07%	13.592%
4	6.510	743	751	756	rBV	3178077	4756247	84.47%	13.656%
5	6.887	810	815	821	rVB	721742	917903	16.30%	2.636%
6	7.451	903	911	916	rBV	2149201	3177914	56.44%	9.125%
7	8.169	1027	1033	1038	rBV	955038	1234075	21.92%	3.543%
8	9.245	1209	1216	1221	rBV	4062098	5630935	100.00%	16.168%
9	9.928	1325	1332	1337	rBV	1110404	1436926	25.52%	4.126%
10	10.716	1459	1466	1471	rBV	2628822	3477329	61.75%	9.984%
11	11.410	1579	1584	1590	rBV	1139657	1478572	26.26%	4.245%
12	13.004	1848	1855	1860	rBV	4036692	5600486	99.46%	16.080%
13	14.051	2027	2033	2043	rBV	854612	1087688	19.32%	3.123%
14	15.527	2278	2284	2296	rVB	494504	780502	13.86%	2.241%

Sum of corrected areas: 34828255

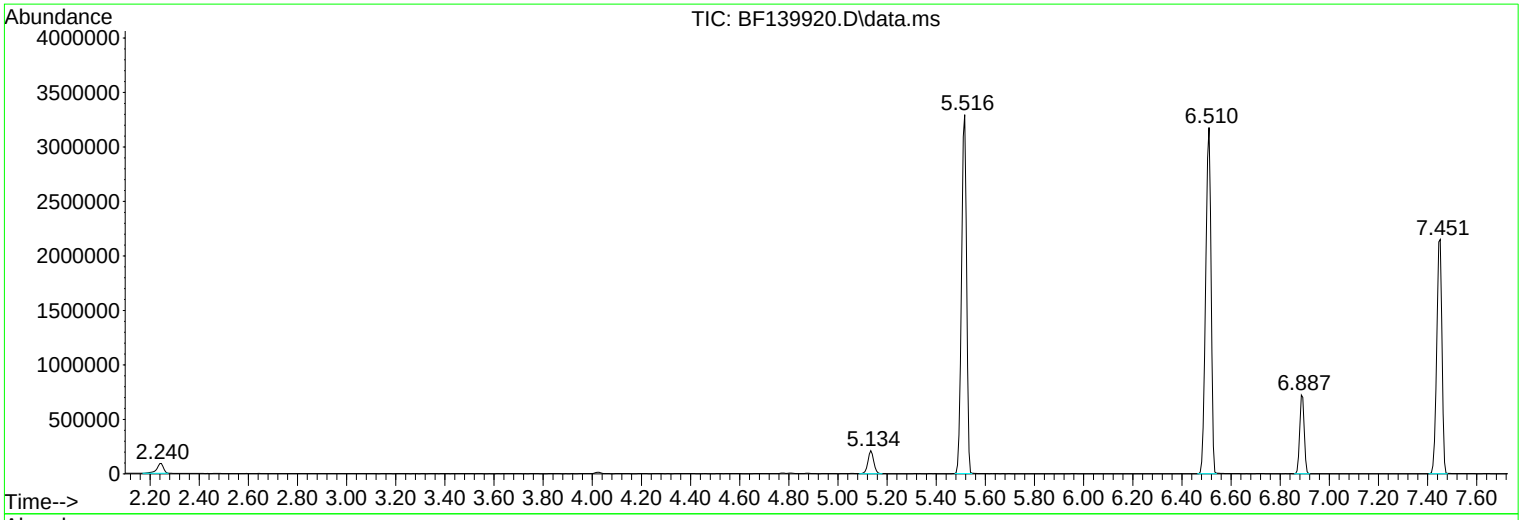
Sample Results: **BF139920.D**

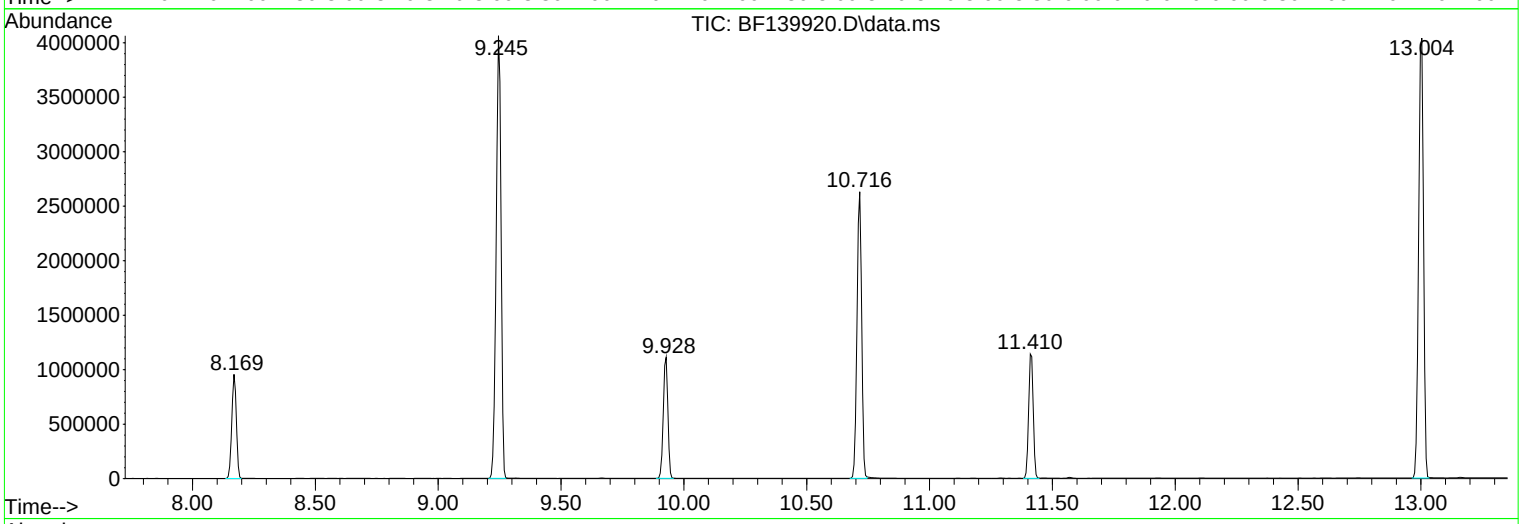
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139920.D
Acq On : 22 Oct 2024 11:05
Operator : RC/JU
Sample : PB164071BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

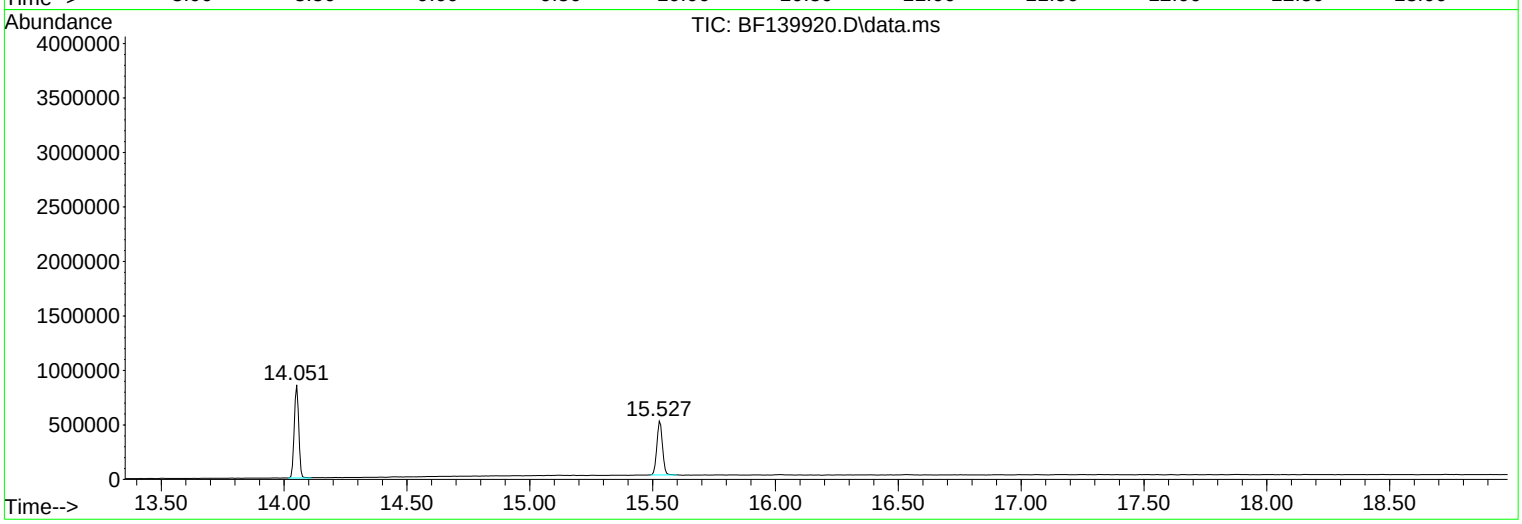
Instrument :
BNA_F
ClientSampleId :
PB164071BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139920.D
Acq On : 22 Oct 2024 11:05
Operator : RC/JU
Sample : PB164071BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB164071BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

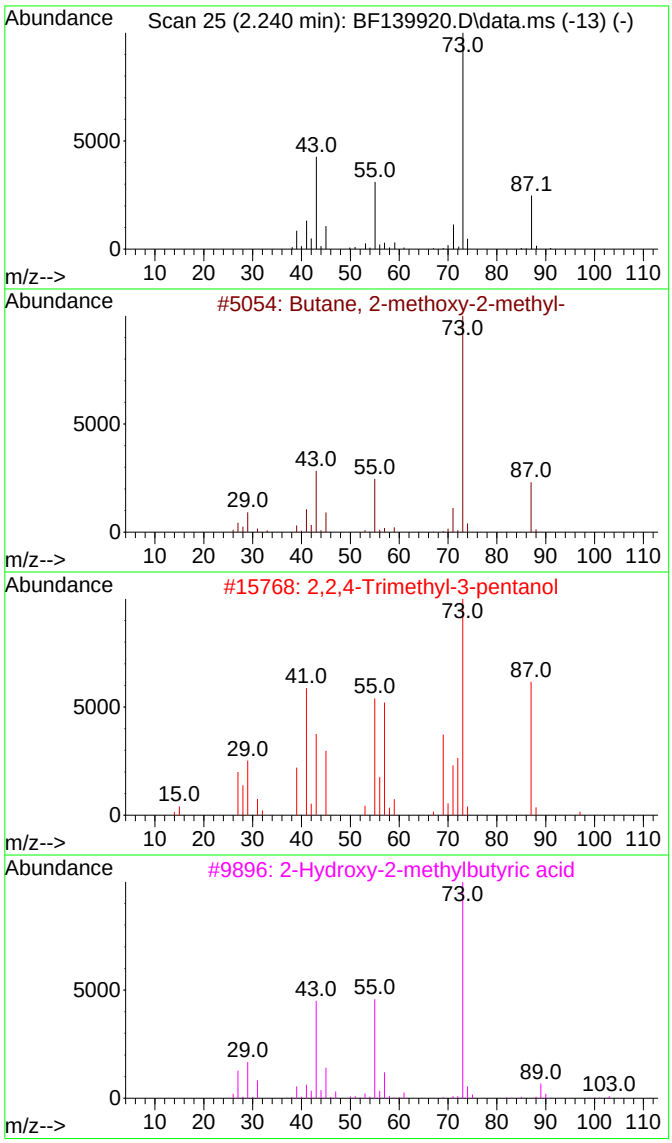
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

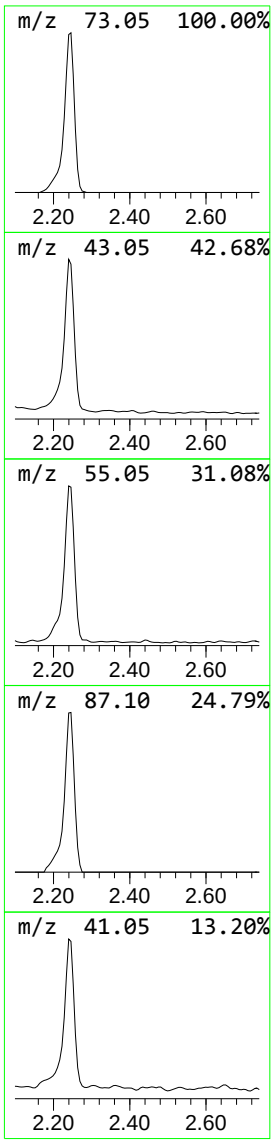
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.240	3.75 ng	172240	1,4-Dichlorobenzene-d4	6.892

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	2-Hydroxy-2-methylbutyric acid	118	C5H10O3	003739-30-8	25
4	Octanal, 7-methoxy-3,7-dimethyl-	186	C11H22O2	003613-30-7	17
5	2-Methyl-5-hexen-3-ol	114	C7H14O	032815-70-6	17





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139920.D
Acq On : 22 Oct 2024 11:05
Operator : RC/JU
Sample : PB164071BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB164071BL

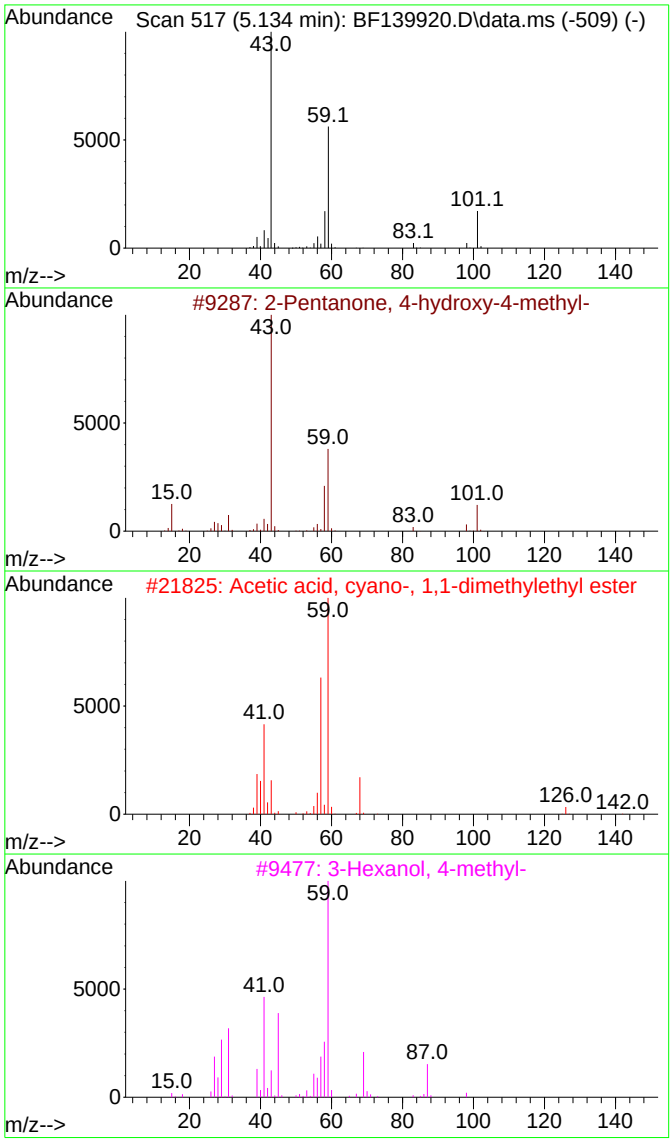
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

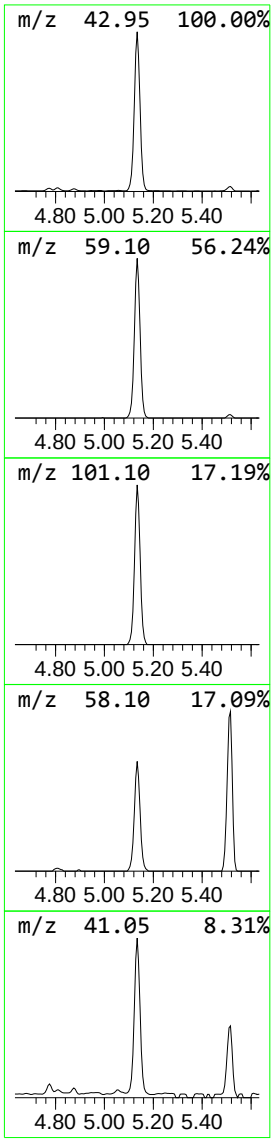
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.134	7.49 ng	343705	1,4-Dichlorobenzene-d4	6.892

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	37
3	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
4	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28
5	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	12





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139920.D
Acq On : 22 Oct 2024 11:05
Operator : RC/JU
Sample : PB164071BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB164071BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-metho...	2.240	3.8	ng	172240	1	6.892	917903	20.0
2-Pentanone, 4-...	5.134	7.5	ng	343705	1	6.892	917903	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139921.D
Acq On : 22 Oct 2024 11:34
Operator : RC/JU
Sample : PB164071BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 22 12:33:25 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB164071BS

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.893	152	149304	20.000	ng		0.00
21) Naphthalene-d8	8.175	136	587812	20.000	ng		0.00
39) Acenaphthene-d10	9.934	164	331508	20.000	ng		0.00
64) Phenanthrene-d10	11.416	188	575136	20.000	ng		0.00
76) Chrysene-d12	14.057	240	270065	20.000	ng		0.00
86) Perylene-d12	15.533	264	308770	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.516	112	1290423	135.304	ng		0.02
7) Phenol-d6	6.516	99	1632917	132.196	ng		0.00
23) Nitrobenzene-d5	7.451	82	1048438	98.855	ng		0.00
42) 2,4,6-Tribromophenol	10.722	330	477449	153.975	ng		0.00
45) 2-Fluorobiphenyl	9.251	172	1870948	93.274	ng		0.00
79) Terphenyl-d14	12.998	244	1871355	112.911	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.763	88	177304	39.873	ng		97
3) Pyridine	3.516	79	473207	42.933	ng		97
4) n-Nitrosodimethylamine	3.469	42	270927	45.750	ng		97
6) Aniline	6.551	93	491179	42.667	ng		99
8) 2-Chlorophenol	6.675	128	501185	51.404	ng		98
9) Benzaldehyde	6.440	77	134436	19.347	ng		97
10) Phenol	6.528	94	625472m	49.116	ng		
11) bis(2-Chloroethyl)ether	6.628	93	485844	49.360	ng		99
12) 1,3-Dichlorobenzene	6.834	146	530272	47.379	ng		99
13) 1,4-Dichlorobenzene	6.910	146	532834	47.652	ng		99
14) 1,2-Dichlorobenzene	7.063	146	518464	49.681	ng		98
15) Benzyl Alcohol	7.028	79	465275	51.350	ng		100
16) 2,2'-oxybis(1-Chloropr...	7.163	45	822320	48.996	ng		99
17) 2-Methylphenol	7.140	107	419820	50.497	ng		99
18) Hexachloroethane	7.404	117	194948	48.891	ng		97
19) n-Nitroso-di-n-propyla...	7.304	70	366243	48.887	ng		98
20) 3+4-Methylphenols	7.293	107	514385	48.372	ng	#	82
22) Acetophenone	7.298	105	685459	47.610	ng		99
24) Nitrobenzene	7.475	77	547965	47.124	ng		99
25) Isophorone	7.710	82	1001892	49.772	ng		100
26) 2-Nitrophenol	7.787	139	253829	57.863	ng		96
27) 2,4-Dimethylphenol	7.822	122	420514	57.489	ng		99
28) bis(2-Chloroethoxy)met...	7.922	93	590169	48.390	ng		99
29) 2,4-Dichlorophenol	8.028	162	418284	50.204	ng		98
30) 1,2,4-Trichlorobenzene	8.116	180	436154	47.310	ng		100
31) Naphthalene	8.198	128	1448505	47.780	ng		100
32) Benzoic acid	7.934	122	317086	49.701	ng		97
33) 4-Chloroaniline	8.239	127	206568	19.983	ng		98
34) Hexachlorobutadiene	8.310	225	279670	48.282	ng		99
35) Caprolactam	8.610	113	135266m	51.060	ng		
36) 4-Chloro-3-methylphenol	8.716	107	456067	49.435	ng		98
37) 2-Methylnaphthalene	8.887	142	915743	49.322	ng		100
38) 1-Methylnaphthalene	8.986	142	855292	46.953	ng		99
40) 1,2,4,5-Tetrachloroben...	9.051	216	423930	47.401	ng		99
41) Hexachlorocyclopentadiene	9.039	237	581876	186.982	ng		99
43) 2,4,6-Trichlorophenol	9.163	196	322394	50.915	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139921.D
Acq On : 22 Oct 2024 11:34
Operator : RC/JU
Sample : PB164071BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 22 12:33:25 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB164071BS

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	319753	48.945	ng		99
46) 1,1'-Biphenyl	9.351	154	1106952	47.966	ng		100
47) 2-Chloronaphthalene	9.375	162	875802	47.119	ng		99
48) 2-Nitroaniline	9.469	65	302215	53.162	ng		93
49) Acenaphthylene	9.792	152	1377936	51.279	ng		99
50) Dimethylphthalate	9.651	163	1034021	50.076	ng		99
51) 2,6-Dinitrotoluene	9.710	165	230480	51.551	ng		98
52) Acenaphthene	9.963	154	953212	54.836	ng		100
53) 3-Nitroaniline	9.875	138	146340	31.740	ng		97
54) 2,4-Dinitrophenol	9.986	184	242958	126.649	ng	#	1
55) Dibenzofuran	10.139	168	1209353	48.489	ng		99
56) 4-Nitrophenol	10.034	139	387313	109.189	ng		99
57) 2,4-Dinitrotoluene	10.116	165	310673	56.506	ng		98
58) Fluorene	10.481	166	917608	48.305	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.251	232	270120	52.745	ng		98
60) Diethylphthalate	10.351	149	996554	49.154	ng		100
61) 4-Chlorophenyl-phenyle...	10.469	204	466085	48.585	ng		99
62) 4-Nitroaniline	10.492	138	223547	51.337	ng		97
63) Azobenzene	10.633	77	1028607	47.856	ng		97
65) 4,6-Dinitro-2-methylph...	10.522	198	165731	70.645	ng		93
66) n-Nitrosodiphenylamine	10.592	169	862616	50.112	ng		100
67) 4-Bromophenyl-phenylether	10.963	248	302738	51.095	ng		95
68) Hexachlorobenzene	11.028	284	336457	50.492	ng		97
69) Atrazine	11.116	200	272149	58.364	ng		100
70) Pentachlorophenol	11.216	266	416766	103.053	ng		99
71) Phenanthrene	11.445	178	1360228	50.069	ng		99
72) Anthracene	11.492	178	1383255	52.186	ng		100
73) Carbazole	11.645	167	1198727	48.627	ng		99
74) Di-n-butylphthalate	11.975	149	1403424	49.276	ng		100
75) Fluoranthene	12.627	202	1340657	48.816	ng		100
77) Benzidine	12.745	184	237429	53.466	ng		98
78) Pyrene	12.857	202	1346251	56.949	ng		100
80) Butylbenzylphthalate	13.474	149	405724	57.247	ng		99
81) Benzo(a)anthracene	14.045	228	931291	52.973	ng		100
82) 3,3'-Dichlorobenzidine	14.004	252	177259	34.582	ng		97
83) Chrysene	14.080	228	858190	53.241	ng		100
84) Bis(2-ethylhexyl)phtha...	14.033	149	478944	60.233	ng		100
85) Di-n-octyl phthalate	14.645	149	883366	61.078	ng		97
87) Indeno(1,2,3-cd)pyrene	17.033	276	1186119	59.712	ng		98
88) Benzo(b)fluoranthene	15.098	252	963492	51.225	ng		99
89) Benzo(k)fluoranthene	15.127	252	785059	48.397	ng		99
90) Benzo(a)pyrene	15.474	252	866062	55.959	ng		98
91) Dibenzo(a,h)anthracene	17.057	278	969171	58.486	ng		98
92) Benzo(g,h,i)perylene	17.492	276	909062	54.921	ng		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

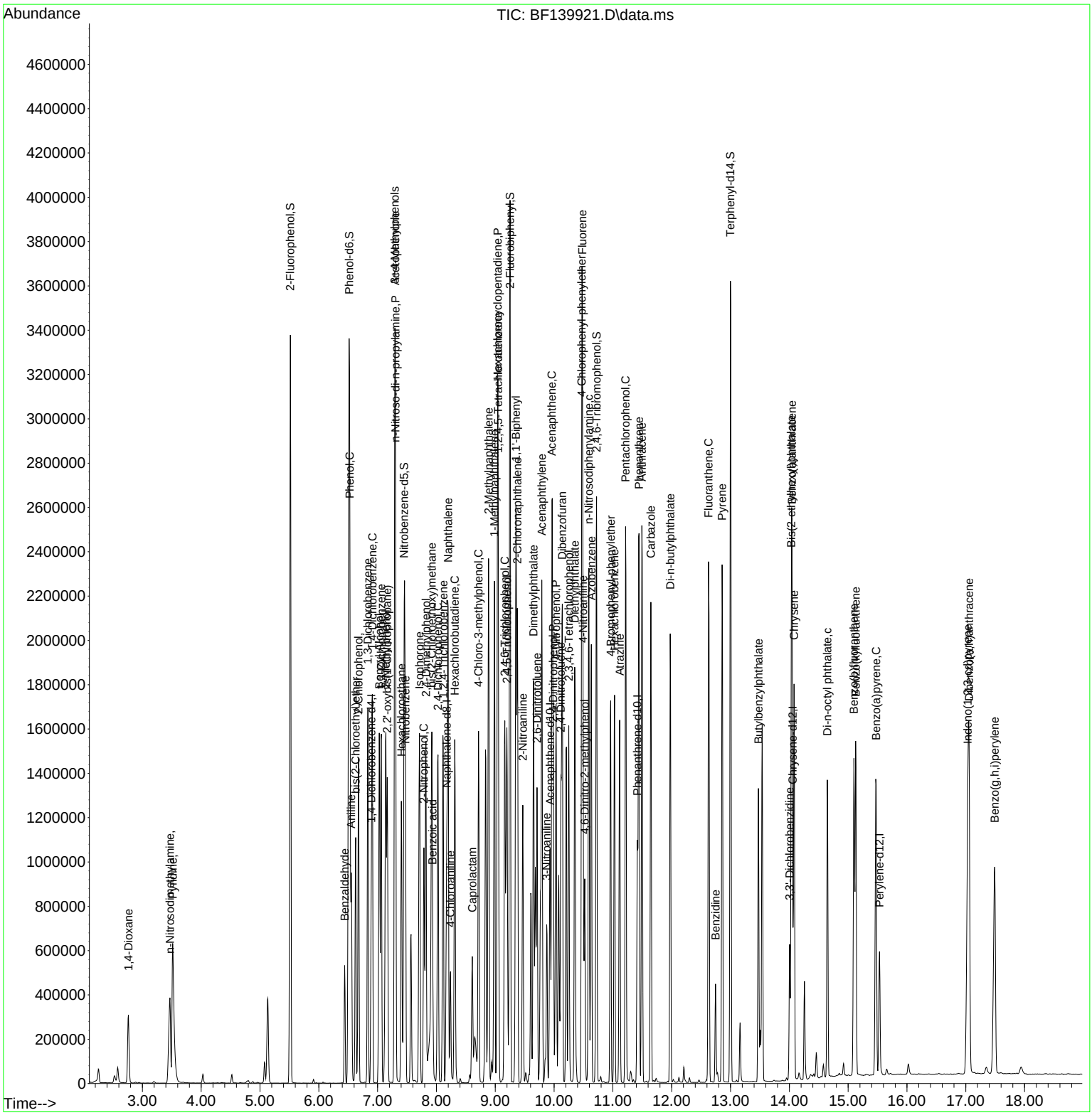
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139921.D
Acq On : 22 Oct 2024 11:34
Operator : RC/JU
Sample : PB164071BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 22 12:33:25 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB164071BS

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102124\
Data File : BF139902.D
Acq On : 21 Oct 2024 14:47
Operator : RC/JU
Sample : P4385-06MS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 21 15:12:12 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SP-3MS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	159111	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	617785	20.000	ng	0.00
39) Acenaphthene-d10	9.927	164	335465	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	563658	20.000	ng	0.00
76) Chrysene-d12	14.057	240	294671	20.000	ng	0.00
86) Perylene-d12	15.533	264	343985	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	1171257	115.240	ng	0.02
7) Phenol-d6	6.510	99	1490047	113.195	ng	0.00
23) Nitrobenzene-d5	7.451	82	959444	86.075	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	383460	122.205	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	1686713	83.097	ng	0.00
79) Terphenyl-d14	12.998	244	1523495	84.247	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.763	88	221440	46.729	ng	96
3) Pyridine	3.516	79	561250	47.782	ng	98
4) n-Nitrosodimethylamine	3.469	42	318557	50.478	ng	100
6) Aniline	6.551	93	352627	28.743	ng	98
8) 2-Chlorophenol	6.675	128	549901	52.924	ng	97
9) Benzaldehyde	6.439	77	159810	21.581	ng	98
10) Phenol	6.528	94	713784m	52.596	ng	
11) bis(2-Chloroethyl)ether	6.622	93	538820	51.368	ng	99
12) 1,3-Dichlorobenzene	6.834	146	586155	49.144	ng	98
13) 1,4-Dichlorobenzene	6.910	146	591283	49.620	ng	99
14) 1,2-Dichlorobenzene	7.057	146	563692	50.686	ng	100
15) Benzyl Alcohol	7.028	79	515039	53.339	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.163	45	918919	51.377	ng	99
17) 2-Methylphenol	7.134	107	464117	52.384	ng	99
18) Hexachloroethane	7.404	117	211189	49.700	ng	97
19) n-Nitroso-di-n-propyla...	7.304	70	403123	50.493	ng	98
20) 3+4-Methylphenols	7.286	107	564183	49.785	ng	93
22) Acetophenone	7.298	105	748474	49.464	ng	98
24) Nitrobenzene	7.469	77	600690	49.152	ng	100
25) Isophorone	7.710	82	1084795	51.275	ng	99
26) 2-Nitrophenol	7.786	139	274244	59.483	ng	96
27) 2,4-Dimethylphenol	7.816	122	443149	57.644	ng	99
28) bis(2-Chloroethoxy)met...	7.922	93	644352	50.270	ng	100
29) 2,4-Dichlorophenol	8.022	162	450559	51.454	ng	100
30) 1,2,4-Trichlorobenzene	8.110	180	474048	48.926	ng	99
31) Naphthalene	8.192	128	1574222	49.408	ng	100
32) Benzoic acid	7.928	122	344178	51.330	ng	97
33) 4-Chloroaniline	8.239	127	113169	10.416	ng	97
34) Hexachlorobutadiene	8.310	225	299094	49.130	ng	98
35) Caprolactam	8.610	113	147894m	53.118	ng	
36) 4-Chloro-3-methylphenol	8.716	107	489084	50.442	ng	98
37) 2-Methylnaphthalene	8.886	142	993862	50.932	ng	100
38) 1-Methylnaphthalene	8.986	142	914744	47.780	ng	100
40) 1,2,4,5-Tetrachloroben...	9.051	216	456013	50.386	ng	99
41) Hexachlorocyclopentadiene	9.039	237	482538	153.232	ng	100
43) 2,4,6-Trichlorophenol	9.157	196	351206	54.811	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102124\
Data File : BF139902.D
Acq On : 21 Oct 2024 14:47
Operator : RC/JU
Sample : P4385-06MS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 21 15:12:12 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SP-3MS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	331813	50.192	ng		99
46) 1,1'-Biphenyl	9.351	154	1169824	50.093	ng		99
47) 2-Chloronaphthalene	9.375	162	937179	49.826	ng		100
48) 2-Nitroaniline	9.469	65	317397	55.174	ng		94
49) Acenaphthylene	9.792	152	1451414	53.376	ng		99
50) Dimethylphthalate	9.651	163	1096069	52.455	ng		100
51) 2,6-Dinitrotoluene	9.710	165	241717	53.427	ng		96
52) Acenaphthene	9.963	154	981249	55.783	ng		99
53) 3-Nitroaniline	9.875	138	142253	30.490	ng		98
54) 2,4-Dinitrophenol	9.980	184	228598	118.216	ng	#	1
55) Dibenzofuran	10.133	168	1282825	50.828	ng		100
56) 4-Nitrophenol	10.027	139	369013	102.803	ng		98
57) 2,4-Dinitrotoluene	10.110	165	317511	57.069	ng		99
58) Fluorene	10.480	166	945689	49.196	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.251	232	274981	53.060	ng		97
60) Diethylphthalate	10.351	149	1044323	50.902	ng		100
61) 4-Chlorophenyl-phenyle...	10.469	204	476833	49.119	ng		100
62) 4-Nitroaniline	10.492	138	220141	49.958	ng		96
63) Azobenzene	10.633	77	1295113	59.544	ng		88
65) 4,6-Dinitro-2-methylph...	10.516	198	155932	67.822	ng		97
66) n-Nitrosodiphenylamine	10.586	169	876750	51.971	ng		99
67) 4-Bromophenyl-phenylether	10.963	248	305519	52.615	ng		95
68) Hexachlorobenzene	11.022	284	334639	51.241	ng		99
69) Atrazine	11.110	200	283543	62.046	ng		99
70) Pentachlorophenol	11.216	266	385813	97.342	ng		99
71) Phenanthrene	11.439	178	1372291	51.542	ng		100
72) Anthracene	11.492	178	1324889	51.002	ng		99
73) Carbazole	11.645	167	1162810	48.130	ng		99
74) Di-n-butylphthalate	11.974	149	1448476	51.894	ng		100
75) Fluoranthene	12.627	202	1268974	47.146	ng		99
77) Benzidine	12.745	184	126669	26.142	ng		99
78) Pyrene	12.857	202	1267349	49.134	ng		99
80) Butylbenzylphthalate	13.474	149	488917	63.225	ng		100
81) Benzo(a)anthracene	14.045	228	1018819	53.113	ng		100
82) 3,3'-Dichlorobenzidine	14.004	252	153603	27.464	ng		98
83) Chrysene	14.080	228	937944	53.330	ng		100
84) Bis(2-ethylhexyl)phtha...	14.033	149	604165	69.637	ng		99
85) Di-n-octyl phthalate	14.651	149	1020553	64.672	ng		99
87) Indeno(1,2,3-cd)pyrene	17.027	276	1051652	47.523	ng		99
88) Benzo(b)fluoranthene	15.098	252	1122393	53.564	ng		99
89) Benzo(k)fluoranthene	15.127	252	868103	48.038	ng		100
90) Benzo(a)pyrene	15.468	252	962363	55.816	ng		99
91) Dibenzo(a,h)anthracene	17.051	278	864311	46.818	ng		99
92) Benzo(g,h,i)perylene	17.480	276	766144	41.548	ng		100

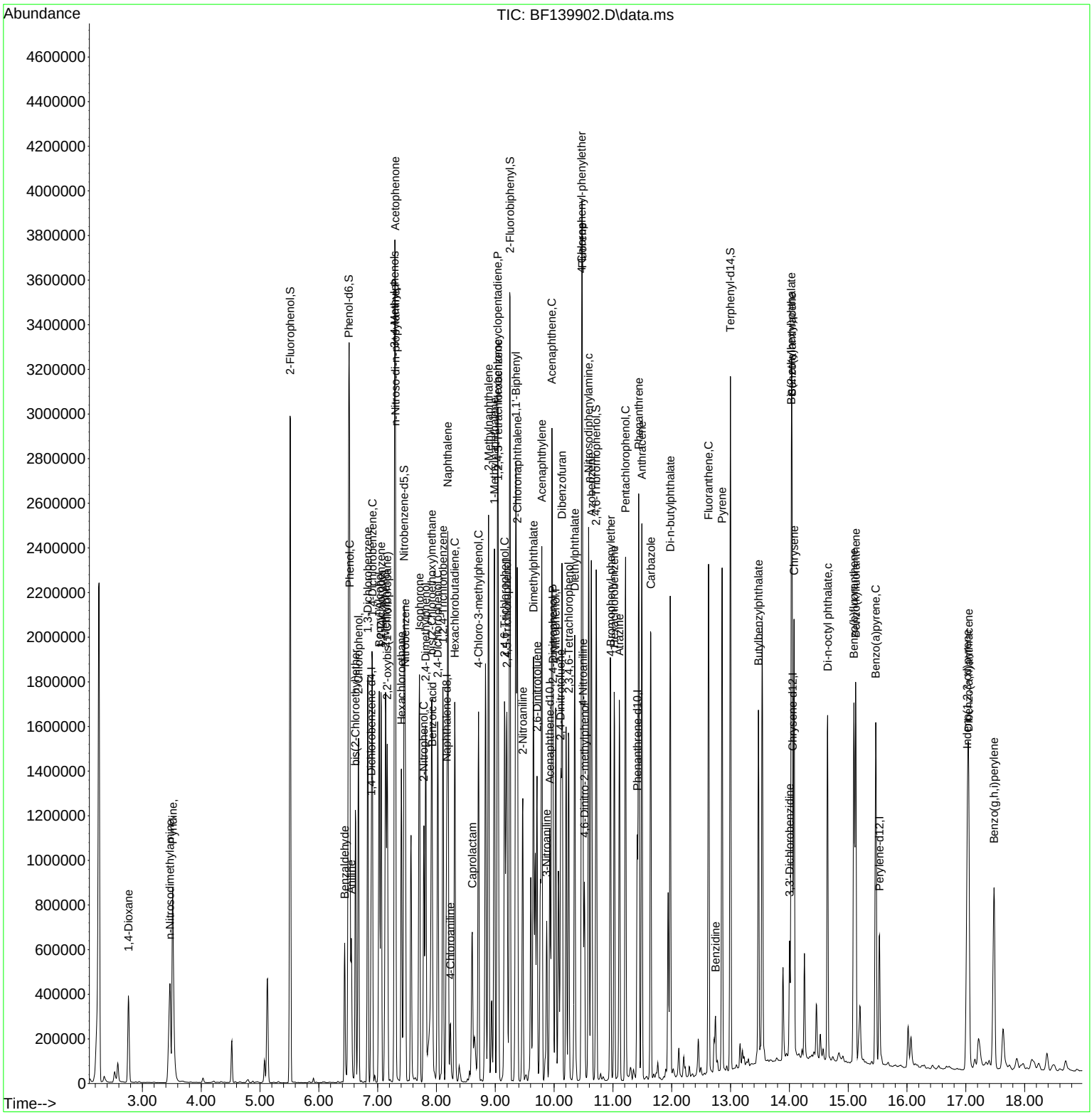
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102124\
Data File : BF139902.D
Acq On : 21 Oct 2024 14:47
Operator : RC/JU
Sample : P4385-06MS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 21 15:12:12 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SP-3MS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102124\
Data File : BF139903.D
Acq On : 21 Oct 2024 15:15
Operator : RC/JU
Sample : P4385-06MSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 21 15:41:49 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SP-3MSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	163321	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	638402	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	343933	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	570576	20.000	ng	0.00
76) Chrysene-d12	14.057	240	298930	20.000	ng	0.00
86) Perylene-d12	15.533	264	341306	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	1217137	116.667	ng	0.02
7) Phenol-d6	6.510	99	1562444	115.635	ng	0.00
23) Nitrobenzene-d5	7.451	82	1004005	87.164	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	395137	122.826	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1728221	83.046	ng	0.00
79) Terphenyl-d14	12.998	244	1518139	82.754	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.769	88	228063	46.886	ng	97
3) Pyridine	3.522	79	577738	47.918	ng	99
4) n-Nitrosodimethylamine	3.475	42	328170	50.661	ng	99
6) Aniline	6.551	93	358661	28.481	ng	97
8) 2-Chlorophenol	6.675	128	577767	54.173	ng	98
9) Benzaldehyde	6.440	77	168270	22.137	ng	99
10) Phenol	6.528	94	745044m	53.484	ng	
11) bis(2-Chloroethyl)ether	6.622	93	565575	52.529	ng	100
12) 1,3-Dichlorobenzene	6.834	146	612426	50.023	ng	99
13) 1,4-Dichlorobenzene	6.910	146	614872	50.270	ng	99
14) 1,2-Dichlorobenzene	7.057	146	595411	52.158	ng	99
15) Benzyl Alcohol	7.028	79	538497	54.331	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.163	45	960673	52.327	ng	99
17) 2-Methylphenol	7.134	107	484216	53.244	ng	100
18) Hexachloroethane	7.404	117	222977	51.121	ng	98
19) n-Nitroso-di-n-propyla...	7.304	70	416456	50.819	ng	98
20) 3+4-Methylphenols	7.287	107	583044	50.123	ng	94
22) Acetophenone	7.298	105	771816	49.360	ng	100
24) Nitrobenzene	7.469	77	633055	50.127	ng	100
25) Isophorone	7.710	82	1143161	52.289	ng	100
26) 2-Nitrophenol	7.787	139	290123	60.895	ng	97
27) 2,4-Dimethylphenol	7.816	122	465684	58.619	ng	100
28) bis(2-Chloroethoxy)met...	7.922	93	680176	51.351	ng	100
29) 2,4-Dichlorophenol	8.022	162	472543	52.222	ng	99
30) 1,2,4-Trichlorobenzene	8.110	180	490878	49.026	ng	98
31) Naphthalene	8.192	128	1636861	49.715	ng	100
32) Benzoic acid	7.934	122	371322	53.590	ng	96
33) 4-Chloroaniline	8.240	127	106463	9.483	ng	98
34) Hexachlorobutadiene	8.310	225	315778	50.195	ng	100
35) Caprolactam	8.610	113	156599m	54.428	ng	
36) 4-Chloro-3-methylphenol	8.716	107	512994	51.199	ng	97
37) 2-Methylnaphthalene	8.887	142	1022931	50.729	ng	100
38) 1-Methylnaphthalene	8.987	142	958193	48.433	ng	100
40) 1,2,4,5-Tetrachloroben...	9.051	216	472211	50.891	ng	99
41) Hexachlorocyclopentadiene	9.039	237	509293	157.746	ng	99
43) 2,4,6-Trichlorophenol	9.157	196	365986	55.712	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102124\
Data File : BF139903.D
Acq On : 21 Oct 2024 15:15
Operator : RC/JU
Sample : P4385-06MSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 21 15:41:49 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SP-3MSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	348599	51.433	ng		99
46) 1,1'-Biphenyl	9.351	154	1207748	50.443	ng		99
47) 2-Chloronaphthalene	9.375	162	976951	50.662	ng		99
48) 2-Nitroaniline	9.469	65	335852	56.945	ng		94
49) Acenaphthylene	9.792	152	1505400	53.998	ng		99
50) Dimethylphthalate	9.651	163	1138290	53.134	ng		100
51) 2,6-Dinitrotoluene	9.710	165	250213	53.943	ng		98
52) Acenaphthene	9.963	154	1031445	57.193	ng		100
53) 3-Nitroaniline	9.875	138	147184	30.770	ng		98
54) 2,4-Dinitrophenol	9.981	184	244925	123.246	ng	#	1
55) Dibenzofuran	10.134	168	1320686	51.040	ng		99
56) 4-Nitrophenol	10.034	139	381655	103.707	ng		98
57) 2,4-Dinitrotoluene	10.116	165	326515	57.242	ng		98
58) Fluorene	10.481	166	974437	49.443	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.251	232	284032	53.457	ng		98
60) Diethylphthalate	10.351	149	1085654	51.614	ng		100
61) 4-Chlorophenyl-phenyle...	10.469	204	488451	49.077	ng		99
62) 4-Nitroaniline	10.492	138	224336	49.657	ng		98
63) Azobenzene	10.634	77	1348180	60.458	ng		89
65) 4,6-Dinitro-2-methylph...	10.522	198	164102	70.510	ng		92
66) n-Nitrosodiphenylamine	10.586	169	914399	53.545	ng		99
67) 4-Bromophenyl-phenylether	10.963	248	314167	53.448	ng		95
68) Hexachlorobenzene	11.022	284	345791	52.307	ng		99
69) Atrazine	11.116	200	286426	61.917	ng		99
70) Pentachlorophenol	11.216	266	396159	98.740	ng		99
71) Phenanthrene	11.439	178	1389005	51.537	ng		100
72) Anthracene	11.492	178	1357792	51.634	ng		100
73) Carbazole	11.645	167	1174574	48.028	ng		99
74) Di-n-butylphthalate	11.975	149	1467314	51.931	ng		100
75) Fluoranthene	12.627	202	1278160	46.912	ng		99
77) Benzidine	12.745	184	139256	28.330	ng		99
78) Pyrene	12.857	202	1284179	49.078	ng		100
80) Butylbenzylphthalate	13.475	149	497868	63.465	ng		100
81) Benzo(a)anthracene	14.045	228	1024399	52.643	ng		100
82) 3,3'-Dichlorobenzidine	14.004	252	155200	27.354	ng		99
83) Chrysene	14.080	228	957695	53.677	ng		99
84) Bis(2-ethylhexyl)phtha...	14.033	149	612765	69.622	ng		99
85) Di-n-octyl phthalate	14.651	149	1042738	65.136	ng		98
87) Indeno(1,2,3-cd)pyrene	17.027	276	1022588	46.572	ng		98
88) Benzo(b)fluoranthene	15.098	252	1120950	53.915	ng		100
89) Benzo(k)fluoranthene	15.127	252	916543	51.117	ng		100
90) Benzo(a)pyrene	15.468	252	977805	57.157	ng		99
91) Dibenzo(a,h)anthracene	17.051	278	836229	45.653	ng		99
92) Benzo(g,h,i)perylene	17.480	276	736293	40.243	ng		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

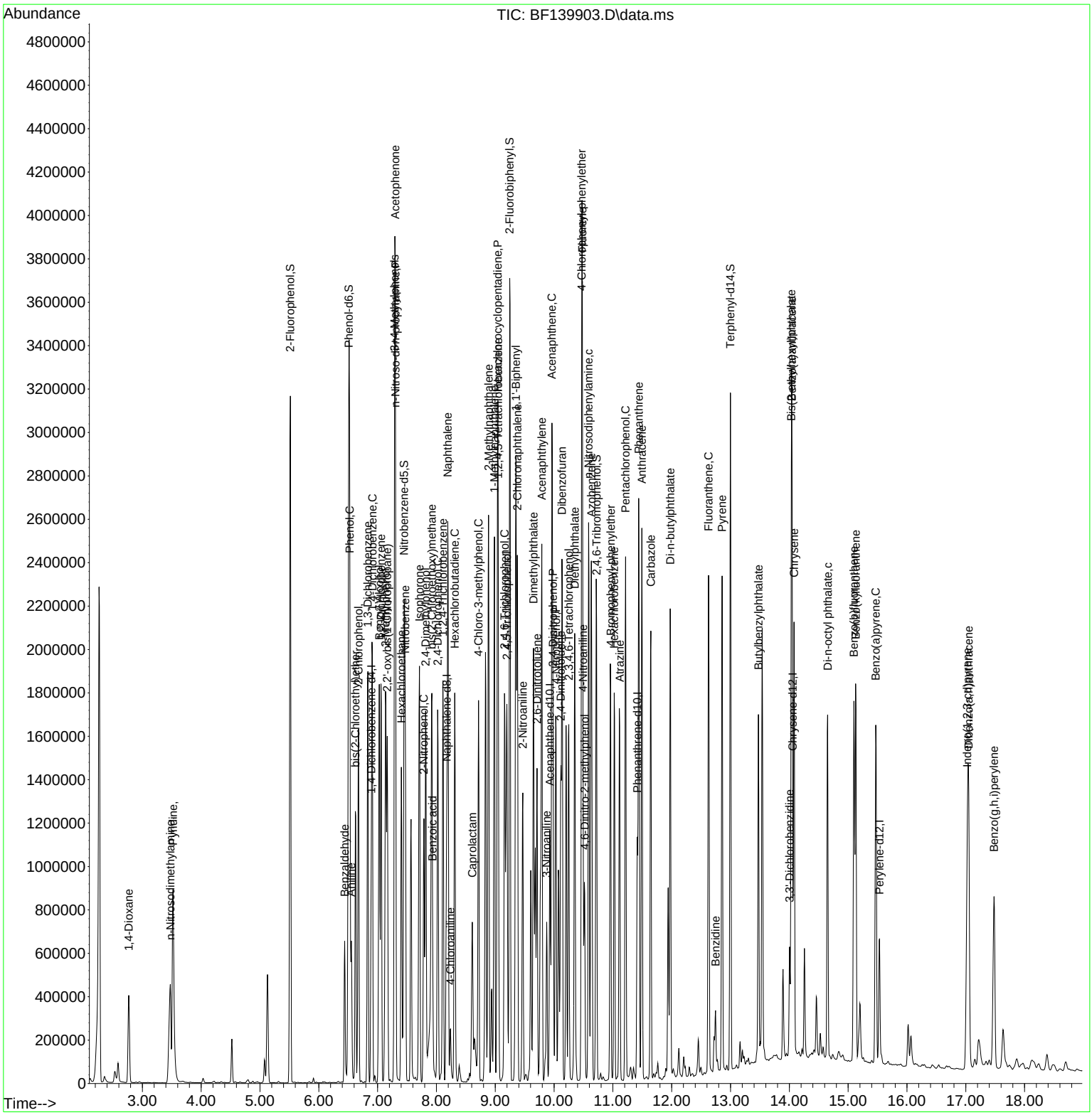
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102124\
Data File : BF139903.D
Acq On : 21 Oct 2024 15:15
Operator : RC/JU
Sample : P4385-06MSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 21 15:41:49 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SP-3MSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024



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Manual Integration Report

Sequence:	BF100124	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC020	BF139587.D	2,4-Dimethylphenol	yogesh	10/2/2024 8:47:02 AM	mohammad	10/4/2024 1:06:18 AM	Peak Integrated by Software
SSTDICC080	BF139591.D	2,4-Dimethylphenol	yogesh	10/2/2024 8:47:07 AM	mohammad	10/4/2024 1:06:18 AM	Peak Integrated by Software
SSTDICC080	BF139591.D	Caprolactam	yogesh	10/2/2024 8:47:07 AM	mohammad	10/4/2024 1:06:18 AM	Peak Integrated by Software
SSTDICV040	BF139592.D	2,4-Dimethylphenol	yogesh	10/2/2024 8:47:10 AM	mohammad	10/4/2024 1:06:18 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	bf101424	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF139787.D	Acenaphthene	yogesh	10/15/2024 5:12:00 AM	mohammad	10/17/2024 4:47:53 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BF101824	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICCC040	BF139848.D	Phenol	yogesh	10/21/2024 6:33:45 AM	mohammad	10/21/2024 6:38:35 AM	Peak Integrated by Software
SSTDICC050	BF139849.D	Phenol	yogesh	10/21/2024 6:33:46 AM	mohammad	10/21/2024 6:38:35 AM	Peak Integrated by Software
SSTDICC060	BF139850.D	Phenol	yogesh	10/21/2024 6:33:47 AM	mohammad	10/21/2024 6:38:35 AM	Peak Integrated by Software
SSTDICC080	BF139851.D	Aniline	yogesh	10/21/2024 6:33:49 AM	mohammad	10/21/2024 6:38:35 AM	Peak Integrated by Software
SSTDICV040	BF139852.D	Phenol	yogesh	10/21/2024 6:33:50 AM	mohammad	10/21/2024 6:38:35 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BF102124	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF139892.D	Phenol	yogesh	10/22/2024 4:37:38 AM	mohammad	10/23/2024 4:28:27 AM	Peak Integrated by Software
P4385-06MS	BF139902.D	Caprolactam	yogesh	10/22/2024 4:37:42 AM	mohammad	10/23/2024 4:28:27 AM	Peak Integrated by Software
P4385-06MS	BF139902.D	Phenol	yogesh	10/22/2024 4:37:42 AM	mohammad	10/23/2024 4:28:27 AM	Peak Integrated by Software
P4385-06MSD	BF139903.D	Caprolactam	yogesh	10/22/2024 4:37:46 AM	mohammad	10/23/2024 4:28:27 AM	Peak Integrated by Software
P4385-06MSD	BF139903.D	Phenol	yogesh	10/22/2024 4:37:46 AM	mohammad	10/23/2024 4:28:27 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BF102224	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF139917.D	Phenol	Jagrut	10/23/2024 2:27:27 PM	mohammad	10/24/2024 1:59:10 AM	Peak Integrated by Software
PB164071BS	BF139921.D	Caprolactam	Jagrut	10/23/2024 2:27:32 PM	mohammad	10/24/2024 1:59:10 AM	Peak Integrated by Software
PB164071BS	BF139921.D	Phenol	Jagrut	10/23/2024 2:27:32 PM	mohammad	10/24/2024 1:59:10 AM	Peak Integrated by Software
SSTDCCC040	BF139927.D	Phenol	Jagrut	10/23/2024 2:27:40 PM	mohammad	10/24/2024 1:59:10 AM	Peak Integrated by Software

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF100124

Review By	yogesh	Review On	10/2/2024 8:47:29 AM				
Supervise By	mohammad	Supervise On	10/4/2024 1:06:18 AM				
SubDirectory	BF100124	HP Acquire Method	BNA_F		HP Processing Method	bf100124	

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12316,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF139583.D	01 Oct 2024 13:38	RC/JU	Ok
2	SSTDICC2.5	BF139584.D	01 Oct 2024 14:05	RC/JU	Ok
3	SSTDICC005	BF139585.D	01 Oct 2024 14:34	RC/JU	Ok
4	SSTDICC010	BF139586.D	01 Oct 2024 15:02	RC/JU	Ok
5	SSTDICC020	BF139587.D	01 Oct 2024 15:30	RC/JU	Ok,M
6	SSTDICCC040	BF139588.D	01 Oct 2024 15:58	RC/JU	Ok
7	SSTDICC050	BF139589.D	01 Oct 2024 16:25	RC/JU	Ok
8	SSTDICC060	BF139590.D	01 Oct 2024 16:54	RC/JU	Ok
9	SSTDICC080	BF139591.D	01 Oct 2024 17:22	RC/JU	Ok,M
10	SSTDICV040	BF139592.D	01 Oct 2024 17:50	RC/JU	Ok,M
11	PB163784BL	BF139593.D	01 Oct 2024 18:19	RC/JU	Not Ok

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF101424

Review By	yogesh	Review On	10/15/2024 5:12:21 AM				
Supervise By	mohammad	Supervise On	10/17/2024 4:47:53 AM				
SubDirectory	BF101424	HP Acquire Method	BNA_F		HP Processing Method	bf100124	

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12320,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF139786.D	14 Oct 2024 12:49	RC/JU	Ok
2	SSTDCCC040	BF139787.D	14 Oct 2024 14:30	RC/JU	Ok,M
3	PB164005BL	BF139788.D	14 Oct 2024 14:58	RC/JU	Ok
4	PB164005BS	BF139789.D	14 Oct 2024 15:27	RC/JU	Ok,M
5	P4375-25	BF139790.D	14 Oct 2024 16:00	RC/JU	Ok
6	P4375-27	BF139791.D	14 Oct 2024 16:29	RC/JU	Ok
7	P4375-21	BF139792.D	14 Oct 2024 16:58	RC/JU	Ok
8	P4375-01	BF139793.D	14 Oct 2024 17:27	RC/JU	Ok
9	P4258-03	BF139794.D	14 Oct 2024 17:56	RC/JU	Ok
10	P4375-09	BF139795.D	14 Oct 2024 18:25	RC/JU	Ok
11	P4375-11	BF139796.D	14 Oct 2024 18:54	RC/JU	Ok
12	P4359-02RE	BF139797.D	14 Oct 2024 19:23	RC/JU	Confirms
13	P4364-02DL	BF139798.D	14 Oct 2024 19:52	RC/JU	Ok,M
14	P4364-01DL	BF139799.D	14 Oct 2024 20:21	RC/JU	Ok,M
15	P4364-05	BF139800.D	14 Oct 2024 20:50	RC/JU	Ok,M
16	P4364-14	BF139801.D	14 Oct 2024 21:19	RC/JU	Dilution
17	P4364-10	BF139802.D	14 Oct 2024 21:48	RC/JU	Ok,M
18	P4364-09	BF139803.D	14 Oct 2024 22:17	RC/JU	Not Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF101824

Review By	yogesh	Review On	10/21/2024 6:34:01 AM				
Supervise By	mohammad	Supervise On	10/21/2024 6:38:35 AM				
SubDirectory	BF101824	HP Acquire Method	BNA_F		HP Processing Method	bf101824	

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12322,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF139843.D	18 Oct 2024 09:22	RC/JU	Ok
2	SSTDICC2.5	BF139844.D	18 Oct 2024 10:27	RC/JU	Ok
3	SSTDICC005	BF139845.D	18 Oct 2024 10:55	RC/JU	Ok
4	SSTDICC010	BF139846.D	18 Oct 2024 11:23	RC/JU	Ok
5	SSTDICC020	BF139847.D	18 Oct 2024 11:52	RC/JU	Ok
6	SSTDICCC040	BF139848.D	18 Oct 2024 12:20	RC/JU	Ok,M
7	SSTDICC050	BF139849.D	18 Oct 2024 12:49	RC/JU	Ok,M
8	SSTDICC060	BF139850.D	18 Oct 2024 13:17	RC/JU	Ok,M
9	SSTDICC080	BF139851.D	18 Oct 2024 13:46	RC/JU	Ok,M
10	SSTDICV040	BF139852.D	18 Oct 2024 14:19	RC/JU	Ok,M
11	PB164211BL	BF139853.D	18 Oct 2024 14:48	RC/JU	Ok
12	P4405-01	BF139854.D	18 Oct 2024 15:21	RC/JU	Ok
13	P4431-01	BF139855.D	18 Oct 2024 15:50	RC/JU	Ok,M
14	P4421-01	BF139856.D	18 Oct 2024 16:18	RC/JU	Ok,M
15	P4422-01	BF139857.D	18 Oct 2024 16:46	RC/JU	Ok
16	P4425-01	BF139858.D	18 Oct 2024 17:15	RC/JU	Ok
17	P4425-03	BF139859.D	18 Oct 2024 17:44	RC/JU	Ok
18	P4425-05	BF139860.D	18 Oct 2024 18:12	RC/JU	Ok
19	P4425-07	BF139861.D	18 Oct 2024 18:41	RC/JU	ReRun
20	P4425-09	BF139862.D	18 Oct 2024 19:09	RC/JU	ReRun
21	P4426-03	BF139863.D	18 Oct 2024 19:37	RC/JU	ReRun

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF101824

Review By	yogesh	Review On	10/21/2024 6:34:01 AM				
Supervise By	mohammad	Supervise On	10/21/2024 6:38:35 AM				
SubDirectory	BF101824	HP Acquire Method	BNA_F		HP Processing Method	bf101824	

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12322,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4426-07	BF139864.D	18 Oct 2024 20:05	RC/JU	ReRun
23	P4426-17	BF139865.D	18 Oct 2024 20:34	RC/JU	ReRun
24	P4426-11	BF139866.D	18 Oct 2024 21:02	RC/JU	ReRun

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF102124

Review By	yogesh	Review On	10/22/2024 4:38:40 AM				
Supervise By	mohammad	Supervise On	10/23/2024 4:28:27 AM				
SubDirectory	BF102124	HP Acquire Method	BNA_F		HP Processing Method	bf101824	

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12322,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF139891.D	21 Oct 2024 09:28	RC/JU	Ok
2	SSTDCCC040	BF139892.D	21 Oct 2024 09:57	RC/JU	Ok,M
3	PB164123BL	BF139893.D	21 Oct 2024 10:25	RC/JU	Ok
4	P4430-01	BF139894.D	21 Oct 2024 10:58	RC/JU	Ok
5	P4425-07	BF139895.D	21 Oct 2024 11:27	RC/JU	Ok
6	P4425-09	BF139896.D	21 Oct 2024 11:55	RC/JU	Ok
7	P4426-03	BF139897.D	21 Oct 2024 12:24	RC/JU	Ok
8	P4426-07	BF139898.D	21 Oct 2024 12:52	RC/JU	Ok
9	P4426-17	BF139899.D	21 Oct 2024 13:20	RC/JU	Ok
10	P4426-11	BF139900.D	21 Oct 2024 13:49	RC/JU	Ok
11	P4396-01RE	BF139901.D	21 Oct 2024 14:18	RC/JU	Confirms
12	P4385-06MS	BF139902.D	21 Oct 2024 14:47	RC/JU	Ok,M
13	P4385-06MSD	BF139903.D	21 Oct 2024 15:15	RC/JU	Ok,M
14	P4403-01RE	BF139904.D	21 Oct 2024 15:44	RC/JU	Confirms
15	P4410-01RE	BF139905.D	21 Oct 2024 16:12	RC/JU	Confirms
16	P4410-01MS	BF139906.D	21 Oct 2024 16:42	RC/JU	Ok,M
17	P4410-01MSD	BF139907.D	21 Oct 2024 17:11	RC/JU	Ok,M
18	P4395-01RE	BF139908.D	21 Oct 2024 17:39	RC/JU	Confirms
19	P4400-01RE	BF139909.D	21 Oct 2024 18:08	RC/JU	Confirms
20	P4401-01RE	BF139910.D	21 Oct 2024 18:37	RC/JU	Confirms
21	P4406-01RE	BF139911.D	21 Oct 2024 19:06	RC/JU	Confirms

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF102124

Review By	yogesh	Review On	10/22/2024 4:38:40 AM		
Supervise By	mohammad	Supervise On	10/23/2024 4:28:27 AM		
SubDirectory	BF102124	HP Acquire Method	BNA_F	HP Processing Method	bf101824

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12322,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4419-01	BF139912.D	21 Oct 2024 19:34	RC/JU	Ok,M
23	P4419-01MS	BF139913.D	21 Oct 2024 20:03	RC/JU	Ok,M
24	P4419-01MSD	BF139914.D	21 Oct 2024 20:32	RC/JU	Ok,M
25	P4455-01	BF139915.D	21 Oct 2024 21:01	RC/JU	Ok,M

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF102224

Review By	Jagrut	Review On	10/23/2024 2:28:42 PM		
Supervise By	mohammad	Supervise On	10/24/2024 1:59:10 AM		
SubDirectory	BF102224	HP Acquire Method	BNA_F	HP Processing Method	bf101824

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12322,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF139916.D	22 Oct 2024 09:11	RC/JU	Ok
2	SSTDCCC040	BF139917.D	22 Oct 2024 09:39	RC/JU	Ok,M
3	PB164152BL	BF139918.D	22 Oct 2024 10:07	RC/JU	Ok
4	PB164152BS	BF139919.D	22 Oct 2024 10:36	RC/JU	Ok,M
5	PB164071BL	BF139920.D	22 Oct 2024 11:05	RC/JU	Ok
6	PB164071BS	BF139921.D	22 Oct 2024 11:34	RC/JU	Ok,M
7	PB164176BL	BF139922.D	22 Oct 2024 12:03	RC/JU	Ok
8	PB164176BS	BF139923.D	22 Oct 2024 12:32	RC/JU	Ok,M
9	PB164246BL	BF139924.D	22 Oct 2024 13:01	RC/JU	Ok
10	PB164246BS	BF139925.D	22 Oct 2024 13:31	RC/JU	Ok,M
11	DFTPP	BF139926.D	22 Oct 2024 14:00	RC/JU	Ok
12	SSTDCCC040	BF139927.D	22 Oct 2024 14:28	RC/JU	Ok,M
13	PB164154BL	BF139928.D	22 Oct 2024 14:58	RC/JU	Ok
14	P4452-01	BF139929.D	22 Oct 2024 15:32	RC/JU	Ok
15	P4419-04	BF139930.D	22 Oct 2024 16:01	RC/JU	Ok
16	P4419-04MS	BF139931.D	22 Oct 2024 16:30	RC/JU	Ok,M
17	P4419-04MSD	BF139932.D	22 Oct 2024 16:59	RC/JU	Ok,M
18	P4458-02	BF139933.D	22 Oct 2024 17:29	RC/JU	Ok
19	P4443-05	BF139934.D	22 Oct 2024 17:58	RC/JU	Ok
20	P4443-10	BF139935.D	22 Oct 2024 18:27	RC/JU	Ok
21	P4385-08	BF139936.D	22 Oct 2024 18:56	RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF102224

Review By	Jagrut	Review On	10/23/2024 2:28:42 PM		
Supervise By	mohammad	Supervise On	10/24/2024 1:59:10 AM		
SubDirectory	BF102224	HP Acquire Method	BNA_F	HP Processing Method	bf101824

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12322,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4385-04	BF139937.D	22 Oct 2024 19:25	RC/JU	Ok
23	P4385-06	BF139938.D	22 Oct 2024 19:54	RC/JU	Ok
24	P4403-01MSD	BF139939.D	22 Oct 2024 20:22	RC/JU	Ok,M
25	P4403-01MS	BF139940.D	22 Oct 2024 20:51	RC/JU	Ok,M
26	P4385-02	BF139941.D	22 Oct 2024 21:20	RC/JU	Ok
27	P4456-01	BF139942.D	22 Oct 2024 21:49	RC/JU	Ok
28	P4431-01MS	BF139943.D	22 Oct 2024 22:17	RC/JU	Ok,M
29	P4431-01MSD	BF139944.D	22 Oct 2024 22:46	RC/JU	Ok,M
30	P4385-16	BF139945.D	22 Oct 2024 23:14	RC/JU	Ok
31	P4385-18	BF139946.D	22 Oct 2024 23:43	RC/JU	Ok
32	P4385-12	BF139947.D	23 Oct 2024 00:11	RC/JU	Ok
33	P4443-01	BF139948.D	23 Oct 2024 00:40	RC/JU	Ok,M
34	P4385-10	BF139949.D	23 Oct 2024 01:08	RC/JU	Ok
35	P4443-06	BF139950.D	23 Oct 2024 01:36	RC/JU	Dilution

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF100124

Review By	yogesh	Review On	10/2/2024 8:47:29 AM		
Supervise By	mohammad	Supervise On	10/4/2024 1:06:18 AM		
SubDirectory	BF100124	HP Acquire Method	BNA_F	HP Processing Method	bf100124

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12316,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF139583.D	01 Oct 2024 13:38		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF139584.D	01 Oct 2024 14:05		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BF139585.D	01 Oct 2024 14:34		RC/JU	Ok
4	SSTDICC010	SSTDICC010	BF139586.D	01 Oct 2024 15:02		RC/JU	Ok
5	SSTDICC020	SSTDICC020	BF139587.D	01 Oct 2024 15:30	Method is Fail for Com#77 both DOD and NON-DOD	RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BF139588.D	01 Oct 2024 15:58	The Calibration is Good For 8270 DOD Except com#77 and good for 625.1 Method	RC/JU	Ok
7	SSTDICC050	SSTDICC050	BF139589.D	01 Oct 2024 16:25		RC/JU	Ok
8	SSTDICC060	SSTDICC060	BF139590.D	01 Oct 2024 16:54	Compound #69 removed from 60ppm	RC/JU	Ok
9	SSTDICC080	SSTDICC080	BF139591.D	01 Oct 2024 17:22	Compound #6,69 removed from 80ppm	RC/JU	Ok,M
10	SSTDICV040	ICVBF100124	BF139592.D	01 Oct 2024 17:50		RC/JU	Ok,M
11	PB163784BL	PB163784BL	BF139593.D	01 Oct 2024 18:19	Internal standard not added - Analyzed for Contamination check only.	RC/JU	Not Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF101424

Review By	yogesh	Review On	10/15/2024 5:12:21 AM		
Supervise By	mohammad	Supervise On	10/17/2024 4:47:53 AM		
SubDirectory	BF101424	HP Acquire Method	BNA_F	HP Processing Method	bf100124

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12320,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF139786.D	14 Oct 2024 12:49		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF139787.D	14 Oct 2024 14:30		RC/JU	Ok,M
3	PB164005BL	PB164005BL	BF139788.D	14 Oct 2024 14:58		RC/JU	Ok
4	PB164005BS	PB164005BS	BF139789.D	14 Oct 2024 15:27		RC/JU	Ok,M
5	P4375-25	FENCE-POST-2	BF139790.D	14 Oct 2024 16:00		RC/JU	Ok
6	P4375-27	FENCE-POST-3	BF139791.D	14 Oct 2024 16:29		RC/JU	Ok
7	P4375-21	CONCRETE-PADS-11	BF139792.D	14 Oct 2024 16:58		RC/JU	Ok
8	P4375-01	CONCRETE-PADS-1	BF139793.D	14 Oct 2024 17:27		RC/JU	Ok
9	P4258-03	Chamberlain Ave	BF139794.D	14 Oct 2024 17:56		RC/JU	Ok
10	P4375-09	CONCRETE-PADS-5	BF139795.D	14 Oct 2024 18:25		RC/JU	Ok
11	P4375-11	CONCRETE-PADS-6	BF139796.D	14 Oct 2024 18:54		RC/JU	Ok
12	P4359-02RE	EXCAVATION-SOILRE	BF139797.D	14 Oct 2024 19:23	Fax is already given	RC/JU	Confirms
13	P4364-02DL	SB-01-2.5-3.0DL	BF139798.D	14 Oct 2024 19:52		RC/JU	Ok,M
14	P4364-01DL	SB-01-1.0-1.5DL	BF139799.D	14 Oct 2024 20:21		RC/JU	Ok,M
15	P4364-05	SB-02-2.0-2.5	BF139800.D	14 Oct 2024 20:50		RC/JU	Ok,M
16	P4364-14	SB-06-0.167-0.667	BF139801.D	14 Oct 2024 21:19	Need further 5X Dilution	RC/JU	Dilution
17	P4364-10	SB-04-0.167-0.667	BF139802.D	14 Oct 2024 21:48		RC/JU	Ok,M
18	P4364-09	SB-03-4.167-4.667	BF139803.D	14 Oct 2024 22:17	There is no Test on login page	RC/JU	Not Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF101424

Review By	yogesh	Review On	10/15/2024 5:12:21 AM		
Supervise By	mohammad	Supervise On	10/17/2024 4:47:53 AM		
SubDirectory	BF101424	HP Acquire Method	BNA_F	HP Processing Method	bf100124

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12320,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF101824

Review By	yogesh	Review On	10/21/2024 6:34:01 AM		
Supervise By	mohammad	Supervise On	10/21/2024 6:38:35 AM		
SubDirectory	BF101824	HP Acquire Method	BNA_F	HP Processing Method	bf101824

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12322,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF139843.D	18 Oct 2024 09:22		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF139844.D	18 Oct 2024 10:27		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BF139845.D	18 Oct 2024 10:55	Compound #9,32,54,65,85 removed from 5 ppm	RC/JU	Ok
4	SSTDICC010	SSTDICC010	BF139846.D	18 Oct 2024 11:23		RC/JU	Ok
5	SSTDICC020	SSTDICC020	BF139847.D	18 Oct 2024 11:52	Compound #54 Kept on LR	RC/JU	Ok
6	SSTDICCC040	SSTDICCC040	BF139848.D	18 Oct 2024 12:20	The Calibration is Good For 8270 DOD Except com#77 and good for 625.1 Method	RC/JU	Ok,M
7	SSTDICC050	SSTDICC050	BF139849.D	18 Oct 2024 12:49	Com#77(Benzidine) Failed in the calibration for both DOD and NON-DOD	RC/JU	Ok,M
8	SSTDICC060	SSTDICC060	BF139850.D	18 Oct 2024 13:17		RC/JU	Ok,M
9	SSTDICC080	SSTDICC080	BF139851.D	18 Oct 2024 13:46		RC/JU	Ok,M
10	SSTDICV040	SSTDICV040	BF139852.D	18 Oct 2024 14:19		RC/JU	Ok,M
11	PB164211BL	PB164211BL	BF139853.D	18 Oct 2024 14:48		RC/JU	Ok
12	P4405-01	MH-121	BF139854.D	18 Oct 2024 15:21		RC/JU	Ok
13	P4431-01	72-11934	BF139855.D	18 Oct 2024 15:50		RC/JU	Ok,M
14	P4421-01	EO-02-101624	BF139856.D	18 Oct 2024 16:18		RC/JU	Ok,M
15	P4422-01	EO-01-101624	BF139857.D	18 Oct 2024 16:46		RC/JU	Ok
16	P4425-01	TP-1	BF139858.D	18 Oct 2024 17:15		RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF101824

Review By	yogesh	Review On	10/21/2024 6:34:01 AM		
Supervise By	mohammad	Supervise On	10/21/2024 6:38:35 AM		
SubDirectory	BF101824	HP Acquire Method	BNA_F	HP Processing Method	bf101824

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12322,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

17	P4425-03	TP-2	BF139859.D	18 Oct 2024 17:44		RC/JU	Ok
18	P4425-05	TP-3	BF139860.D	18 Oct 2024 18:12		RC/JU	Ok
19	P4425-07	TP-4	BF139861.D	18 Oct 2024 18:41	Internal Standrad Fail	RC/JU	ReRun
20	P4425-09	TP-5	BF139862.D	18 Oct 2024 19:09	Internal Standrad Fail	RC/JU	ReRun
21	P4426-03	PAD-2	BF139863.D	18 Oct 2024 19:37	Internal Standrad Fail	RC/JU	ReRun
22	P4426-07	PAD-4	BF139864.D	18 Oct 2024 20:05	Internal Standrad Fail	RC/JU	ReRun
23	P4426-17	PAD-9	BF139865.D	18 Oct 2024 20:34	Internal Standard Fail	RC/JU	ReRun
24	P4426-11	PAD-6	BF139866.D	18 Oct 2024 21:02	Internal Standard Fail	RC/JU	ReRun

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF102124

Review By	yogesh	Review On	10/22/2024 4:38:40 AM		
Supervise By	mohammad	Supervise On	10/23/2024 4:28:27 AM		
SubDirectory	BF102124	HP Acquire Method	BNA_F	HP Processing Method	bf101824

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12322,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF139891.D	21 Oct 2024 09:28		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF139892.D	21 Oct 2024 09:57		RC/JU	Ok,M
3	PB164123BL	PB164123BL	BF139893.D	21 Oct 2024 10:25		RC/JU	Ok
4	P4430-01	VNJ-209	BF139894.D	21 Oct 2024 10:58		RC/JU	Ok
5	P4425-07	TP-4	BF139895.D	21 Oct 2024 11:27		RC/JU	Ok
6	P4425-09	TP-5	BF139896.D	21 Oct 2024 11:55		RC/JU	Ok
7	P4426-03	PAD-2	BF139897.D	21 Oct 2024 12:24		RC/JU	Ok
8	P4426-07	PAD-4	BF139898.D	21 Oct 2024 12:52		RC/JU	Ok
9	P4426-17	PAD-9	BF139899.D	21 Oct 2024 13:20		RC/JU	Ok
10	P4426-11	PAD-6	BF139900.D	21 Oct 2024 13:49		RC/JU	Ok
11	P4396-01RE	WASTE-WATER-FRAC	BF139901.D	21 Oct 2024 14:18	Fax is already given	RC/JU	Confirms
12	P4385-06MS	SP-3MS	BF139902.D	21 Oct 2024 14:47		RC/JU	Ok,M
13	P4385-06MSD	SP-3MSD	BF139903.D	21 Oct 2024 15:15		RC/JU	Ok,M
14	P4403-01RE	Hawthorne TP SoilRE	BF139904.D	21 Oct 2024 15:44	Fax is already given	RC/JU	Confirms
15	P4410-01RE	TR-04-101524RE	BF139905.D	21 Oct 2024 16:12	Fax is already given	RC/JU	Confirms
16	P4410-01MS	TR-04-101524MS	BF139906.D	21 Oct 2024 16:42		RC/JU	Ok,M
17	P4410-01MSD	TR-04-101524MSD	BF139907.D	21 Oct 2024 17:11		RC/JU	Ok,M
18	P4395-01RE	F05308-SOLIDRE	BF139908.D	21 Oct 2024 17:39	Fax is already given	RC/JU	Confirms

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF102124

Review By	yogesh	Review On	10/22/2024 4:38:40 AM		
Supervise By	mohammad	Supervise On	10/23/2024 4:28:27 AM		
SubDirectory	BF102124	HP Acquire Method	BNA_F	HP Processing Method	bf101824

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12322,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P4400-01RE	NB-08-101424RE	BF139909.D	21 Oct 2024 18:08	Fax is already given	RC/JU	Confirms
20	P4401-01RE	SU-03-101424RE	BF139910.D	21 Oct 2024 18:37	Fax is already given	RC/JU	Confirms
21	P4406-01RE	OK-02-101524RE	BF139911.D	21 Oct 2024 19:06	Fax is already given	RC/JU	Confirms
22	P4419-01	IB-1	BF139912.D	21 Oct 2024 19:34		RC/JU	Ok,M
23	P4419-01MS	IB-1MS	BF139913.D	21 Oct 2024 20:03		RC/JU	Ok,M
24	P4419-01MSD	IB-1MSD	BF139914.D	21 Oct 2024 20:32		RC/JU	Ok,M
25	P4455-01	SU-4-101824	BF139915.D	21 Oct 2024 21:01		RC/JU	Ok,M

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF102224

Review By	Jagrut	Review On	10/23/2024 2:28:42 PM		
Supervise By	mohammad	Supervise On	10/24/2024 1:59:10 AM		
SubDirectory	BF102224	HP Acquire Method	BNA_F	HP Processing Method	bf101824

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12322,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF139916.D	22 Oct 2024 09:11		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF139917.D	22 Oct 2024 09:39		RC/JU	Ok,M
3	PB164152BL	PB164152BL	BF139918.D	22 Oct 2024 10:07		RC/JU	Ok
4	PB164152BS	PB164152BS	BF139919.D	22 Oct 2024 10:36		RC/JU	Ok,M
5	PB164071BL	PB164071BL	BF139920.D	22 Oct 2024 11:05		RC/JU	Ok
6	PB164071BS	PB164071BS	BF139921.D	22 Oct 2024 11:34		RC/JU	Ok,M
7	PB164176BL	PB164176BL	BF139922.D	22 Oct 2024 12:03		RC/JU	Ok
8	PB164176BS	PB164176BS	BF139923.D	22 Oct 2024 12:32		RC/JU	Ok,M
9	PB164246BL	PB164246BL	BF139924.D	22 Oct 2024 13:01		RC/JU	Ok
10	PB164246BS	PB164246BS	BF139925.D	22 Oct 2024 13:31		RC/JU	Ok,M
11	DFTPP	DFTPP	BF139926.D	22 Oct 2024 14:00		RC/JU	Ok
12	SSTDCCC040	SSTDCCC040	BF139927.D	22 Oct 2024 14:28		RC/JU	Ok,M
13	PB164154BL	PB164154BL	BF139928.D	22 Oct 2024 14:58		RC/JU	Ok
14	P4452-01	ETGI-285	BF139929.D	22 Oct 2024 15:32		RC/JU	Ok
15	P4419-04	IB-1	BF139930.D	22 Oct 2024 16:01		RC/JU	Ok
16	P4419-04MS	IB-1MS	BF139931.D	22 Oct 2024 16:30		RC/JU	Ok,M
17	P4419-04MSD	IB-1MSD	BF139932.D	22 Oct 2024 16:59		RC/JU	Ok,M
18	P4458-02	280517	BF139933.D	22 Oct 2024 17:29		RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF102224

Review By	Jagrut	Review On	10/23/2024 2:28:42 PM		
Supervise By	mohammad	Supervise On	10/24/2024 1:59:10 AM		
SubDirectory	BF102224	HP Acquire Method	BNA_F	HP Processing Method	bf101824

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12322,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P4443-05	OG-315-HR-502-COMP	BF139934.D	22 Oct 2024 17:58		RC/JU	Ok
20	P4443-10	OG-315-HR-502-COMP	BF139935.D	22 Oct 2024 18:27		RC/JU	Ok
21	P4385-08	SP-4	BF139936.D	22 Oct 2024 18:56		RC/JU	Ok
22	P4385-04	SP-2	BF139937.D	22 Oct 2024 19:25		RC/JU	Ok
23	P4385-06	SP-3	BF139938.D	22 Oct 2024 19:54		RC/JU	Ok
24	P4403-01MSD	Hawthorne TP SoilMSD	BF139939.D	22 Oct 2024 20:22		RC/JU	Ok,M
25	P4403-01MS	Hawthorne TP SoilMS	BF139940.D	22 Oct 2024 20:51		RC/JU	Ok,M
26	P4385-02	SP-1	BF139941.D	22 Oct 2024 21:20		RC/JU	Ok
27	P4456-01	PAD-10182024	BF139942.D	22 Oct 2024 21:49	Internal Standrad Fail	RC/JU	Ok
28	P4431-01MS	72-11934MS	BF139943.D	22 Oct 2024 22:17		RC/JU	Ok,M
29	P4431-01MSD	72-11934MSD	BF139944.D	22 Oct 2024 22:46		RC/JU	Ok,M
30	P4385-16	SP-8	BF139945.D	22 Oct 2024 23:14		RC/JU	Ok
31	P4385-18	SP-9	BF139946.D	22 Oct 2024 23:43		RC/JU	Ok
32	P4385-12	SP-6	BF139947.D	23 Oct 2024 00:11		RC/JU	Ok
33	P4443-01	OG-315-HR-502-COMP	BF139948.D	23 Oct 2024 00:40		RC/JU	Ok,M
34	P4385-10	SP-5	BF139949.D	23 Oct 2024 01:08		RC/JU	Ok
35	P4443-06	OG-315-HR-502-COMP	BF139950.D	23 Oct 2024 01:36	Need further 5X Dilution	RC/JU	Dilution

M : Manual Integration

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EXTRACTION LOGPAGE

PB164071

SOP ID:	M3541-ASE Extraction-14				
Clean Up SOP #:	N/A			**Extraction Start Date :**	10/11/2024
Matrix :	Solid			**Extraction Start Time :**	09:38
Weigh By:	EH	**Extraction By:**	RJ	**Extraction End Date :**	10/11/2024
Balance check:	RJ	**Filter By:**	RJ	**Extraction End Time :**	12:55
Balance ID:	EX-SC-2	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	N/A	**Hood ID:**	3,7	**Supervisor By :**	rajesh

Extraction Method: ☐ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☑ Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50/100 PPM	SP6630
Surrogate	1.0ML	100/150 PPM	SP6524
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
MeCl2/Acetone/1:1	N/A	EP2538
Baked Na2SO4	N/A	EP2543
Sand	N/A	E2865
Methylene Chloride	N/A	E3817
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5 ML Vial lot# 2210673.

KD Bath ID:	N/A	**Envap ID:**	NEVAP-02
KD Bath Temperature:	N/A	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/11/24	RP (Ext. Lab)	AC/SVOC
13:00	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB164071

Analytical Method: M3541-ASE Extraction-14 **Concentration Date:** 10/11/2024

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB164071BL	SBLK071	SVOC-TCL BNA -20	30.01	N/A	ritesh	Evelyn	1			U1-1
PB164071BS	SLCS071	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1			2
P4258-03	CHAMBERLAIN AVE	SVOC-TCL BNA -20	30.02	N/A	ritesh	Evelyn	1	A		3
P4385-02	SP-1	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1	B		4
P4385-04	SP-2	SVOC-TCL BNA -20	30.07	N/A	ritesh	Evelyn	1	B		5
P4385-06	SP-3	SVOC-TCL BNA -20	30.06	N/A	ritesh	Evelyn	1	B		6
P4385-06MS	SP-3MS	SVOC-TCL BNA -20	30.01	N/A	ritesh	Evelyn	1	B		U5-1
P4385-06MSD	SP-3MSD	SVOC-TCL BNA -20	30.05	N/A	ritesh	Evelyn	1	B		2
P4385-08	SP-4	SVOC-TCL BNA -20	30.04	N/A	ritesh	Evelyn	1	B		3
P4385-10	SP-5	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1	B		4
P4385-12	SP-6	SVOC-TCL BNA -20	30.09	N/A	ritesh	Evelyn	1	B		5
P4385-14	SP-7	SVOC-TCL BNA -20	30.06	N/A	ritesh	Evelyn	1	B		6
P4385-16	SP-8	SVOC-TCL BNA -20	30.07	N/A	ritesh	Evelyn	1	B		U7-1
P4385-18	SP-9	SVOC-TCL BNA -20	30.02	N/A	ritesh	Evelyn	1	B		2
P4385-20	SP-10	SVOC-TCL BNA -20	30.08	N/A	ritesh	Evelyn	1	B		3

* **Extracts relinquished on the same date as received.**

10/4/24

P4258-03 9:35 10/11 1644071

WORKLIST(Hardcopy Internal Chain)

WorkList Name : P4385 **WorkList ID :** 184330 **Department :** Extraction **Date :** 10-11-2024 08:05:23

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4258-03	Chamberlain Ave	Solid	SVOC-TCL BNA -20	Cool 4 deg C	ROMA02	K21	10/01/2024	8270E
P4385-02	SP-1	Solid	SVOC-TCL BNA -20	Cool 4 deg C	SCHE03	K51	10/10/2024	8270E
P4385-04	SP-2	Solid	SVOC-TCL BNA -20	Cool 4 deg C	SCHE03	K51	10/10/2024	8270E
P4385-06	SP-3	Solid	SVOC-TCL BNA -20	Cool 4 deg C	SCHE03	K51	10/10/2024	8270E
P4385-08	SP-4	Solid	SVOC-TCL BNA -20	Cool 4 deg C	SCHE03	K51	10/10/2024	8270E
P4385-10	SP-5	Solid	SVOC-TCL BNA -20	Cool 4 deg C	SCHE03	K51	10/10/2024	8270E
P4385-12	SP-6	Solid	SVOC-TCL BNA -20	Cool 4 deg C	SCHE03	K51	10/10/2024	8270E
P4385-14	SP-7	Solid	SVOC-TCL BNA -20	Cool 4 deg C	SCHE03	K51	10/10/2024	8270E
P4385-16	SP-8	Solid	SVOC-TCL BNA -20	Cool 4 deg C	SCHE03	K51	10/10/2024	8270E
P4385-18	SP-9	Solid	SVOC-TCL BNA -20	Cool 4 deg C	SCHE03	K51	10/10/2024	8270E
P4385-20	SP-10	Solid	SVOC-TCL BNA -20	Cool 4 deg C	SCHE03	K51	10/10/2024	8270E

324 of 1157

Date/Time 10/11/24 9:35
Raw Sample Received by: RJ (Ext Lab)
Raw Sample Relinquished by: JDCSM

Date/Time 10/11/24 10:00
Raw Sample Received by: JDCSM
Raw Sample Relinquished by: RJ (Ext Lab)

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LAB CHRONICLE

OrderID:	P4258	**OrderDate:**	10/1/2024 1:21:00 PM
Client:	Roman E&G Corp	**Project:**	Perth Amboy
Contact:	Mark Mattheiss	**Location:**	H11,H51,K11,K21

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4258-03	**Chamberlain Ave**	**SOIL**			**10/01/24**			**10/01/24**
			SVOC-TCL BNA -20	8270E		10/11/24	10/14/24	
P4258-04	**Chamberlain Ave**	**TCLP**			**10/01/24**			**10/01/24**
			TCLP BNA	8270E		10/03/24	10/04/24	

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Hit Summary Sheet
SW-846

SDG No.: P4258

Client: Roman E&G Corp

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID :								
				0.000				
			Total Svoc :			**0.00**		
			Total Concentration:			**0.00**		

SAMPLE DATA

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Roman E&G Corp	Date Collected:	10/01/24
Project:	Perth Amboy	Date Received:	10/01/24
Client Sample ID:	Chamberlain Ave	SDG No.:	P4258
Lab Sample ID:	P4258-04	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139655.D	1	10/03/24 11:30	10/04/24 14:07	PB163883

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	15.5	U	15.5	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	8.40	U	8.40	50.0	ug/L
95-48-7	2-Methylphenol	11.3	U	11.3	50.0	ug/L
65794-96-9	3+4-Methylphenols	11.5	U	11.5	100	ug/L
67-72-1	Hexachloroethane	10.1	U	10.1	50.0	ug/L
98-95-3	Nitrobenzene	12.7	U	12.7	50.0	ug/L
87-68-3	Hexachlorobutadiene	12.7	U	12.7	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	8.90	U	8.90	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	10.1	U	10.1	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	50.0	ug/L
118-74-1	Hexachlorobenzene	11.4	U	11.4	50.0	ug/L
87-86-5	Pentachlorophenol	18.5	U	18.5	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	138		10 - 139	92%	SPK: 150
13127-88-3	Phenol-d6	127		10 - 134	84%	SPK: 150
4165-60-0	Nitrobenzene-d5	102		49 - 133	102%	SPK: 100
321-60-8	2-Fluorobiphenyl	99.7		52 - 132	100%	SPK: 100
118-79-6	2,4,6-Tribromophenol	143		44 - 137	96%	SPK: 150
1718-51-0	Terphenyl-d14	95.8		48 - 125	96%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	92700	6.863			
1146-65-2	Naphthalene-d8	349000	8.145			
15067-26-2	Acenaphthene-d10	193000	9.898			
1517-22-2	Phenanthrene-d10	361000	11.386			
1719-03-5	Chrysene-d12	199000	14.021			
1520-96-3	Perylene-d12	201000	15.492			

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Report of Analysis

Client:	Roman E&G Corp			Date Collected:	10/01/24
Project:	Perth Amboy			Date Received:	10/01/24
Client Sample ID:	Chamberlain Ave			SDG No.:	P4258
Lab Sample ID:	P4258-04			Matrix:	TCLP
Analytical Method:	SW8270			% Solid:	0
Sample Wt/Vol:	100	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	TCLP BNA
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139655.D	1	10/03/24 11:30	10/04/24 14:07	PB163883

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Roman E&G Corp	Date Collected:	10/03/24
Project:	Perth Amboy	Date Received:	10/03/24
Client Sample ID:	PB163851TB	SDG No.:	P4258
Lab Sample ID:	PB163851TB	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139646.D	1	10/03/24 11:30	10/04/24 09:56	PB163883

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	15.5	U	15.5	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	8.40	U	8.40	50.0	ug/L
95-48-7	2-Methylphenol	11.3	U	11.3	50.0	ug/L
65794-96-9	3+4-Methylphenols	11.5	U	11.5	100	ug/L
67-72-1	Hexachloroethane	10.1	U	10.1	50.0	ug/L
98-95-3	Nitrobenzene	12.7	U	12.7	50.0	ug/L
87-68-3	Hexachlorobutadiene	12.7	U	12.7	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	8.90	U	8.90	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	10.1	U	10.1	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	50.0	ug/L
118-74-1	Hexachlorobenzene	11.4	U	11.4	50.0	ug/L
87-86-5	Pentachlorophenol	18.5	U	18.5	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	141		10 - 139	94%	SPK: 150
13127-88-3	Phenol-d6	137		10 - 134	91%	SPK: 150
4165-60-0	Nitrobenzene-d5	92.1		49 - 133	92%	SPK: 100
321-60-8	2-Fluorobiphenyl	94.8		52 - 132	95%	SPK: 100
118-79-6	2,4,6-Tribromophenol	134		44 - 137	89%	SPK: 150
1718-51-0	Terphenyl-d14	98.3		48 - 125	98%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	87400	6.863			
1146-65-2	Naphthalene-d8	333000	8.145			
15067-26-2	Acenaphthene-d10	181000	9.898			
1517-22-2	Phenanthrene-d10	349000	11.386			
1719-03-5	Chrysene-d12	204000	14.021			
1520-96-3	Perylene-d12	203000	15.492			

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Report of Analysis

Client:	Roman E&G Corp			Date Collected:	10/03/24
Project:	Perth Amboy			Date Received:	10/03/24
Client Sample ID:	PB163851TB			SDG No.:	P4258
Lab Sample ID:	PB163851TB			Matrix:	TCLP
Analytical Method:	SW8270			% Solid:	0
Sample Wt/Vol:	100	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	TCLP BNA
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139646.D	1	10/03/24 11:30	10/04/24 09:56	PB163883

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

QC SUMMARY

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Surrogate Summary

SW-846

SDG No.: P4258

Client: Roman E&G Corp

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
P4242-04MS	TP-QMS	2-Fluorophenol	150	135	90		10	139
		Phenol-d6	150	125	83		10	134
		Nitrobenzene-d5	100	94.4	94		49	133
		2-Fluorobiphenyl	100	92.7	93		52	132
		2,4,6-Tribromophenol	150	136	91		44	137
		Terphenyl-d14	100	92.3	92		48	125
P4242-04MSD	TP-QMSD	2-Fluorophenol	150	131	87		10	139
		Phenol-d6	150	123	82		10	134
		Nitrobenzene-d5	100	95.3	95		49	133
		2-Fluorobiphenyl	100	90.8	91		52	132
		2,4,6-Tribromophenol	150	134	90		44	137
		Terphenyl-d14	100	92.5	92		48	125
P4258-04	Chamberlain Ave	2-Fluorophenol	150	138	92		10	139
		Phenol-d6	150	127	84		10	134
		Nitrobenzene-d5	100	102	102		49	133
		2-Fluorobiphenyl	100	99.7	100		52	132
		2,4,6-Tribromophenol	150	143	96		44	137
		Terphenyl-d14	100	95.8	96		48	125
PB163851TB	PB163851TB	2-Fluorophenol	150	141	94		10	139
		Phenol-d6	150	137	91		10	134
		Nitrobenzene-d5	100	92.1	92		49	133
		2-Fluorobiphenyl	100	94.8	95		52	132
		2,4,6-Tribromophenol	150	134	89		44	137
		Terphenyl-d14	100	98.3	98		48	125
PB163883BL	PB163883BL	2-Fluorophenol	150	137	91		10	139
		Phenol-d6	150	134	89		10	134
		Nitrobenzene-d5	100	90.3	90		49	133
		2-Fluorobiphenyl	100	90.2	90		52	132
		2,4,6-Tribromophenol	150	130	86		44	137
		Terphenyl-d14	100	99.2	99		48	125
PB163883BS	PB163883BS	2-Fluorophenol	150	137	91		10	139
		Phenol-d6	150	134	89		10	134
		Nitrobenzene-d5	100	90.9	91		49	133
		2-Fluorobiphenyl	100	90.4	90		52	132
		2,4,6-Tribromophenol	150	135	90		44	137
		Terphenyl-d14	100	98.6	99		48	125

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4258

Client: Roman E&G Corp

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: P4242-04MS		**Client Sample ID: TP-QMS**						**DataFile: BF139649.D**			
Pyridine	500	0	420	ug/L	84				10	109	
1,4-Dichlorobenzene	500	0	470	ug/L	94				55	125	
2-Methylphenol	500	0	490	ug/L	98				37	126	
3+4-Methylphenols	500	0	480	ug/L	96				31	127	
Hexachloroethane	500	0	460	ug/L	92				49	110	
Nitrobenzene	500	0	460	ug/L	92				62	112	
Hexachlorobutadiene	500	0	450	ug/L	90				52	125	
2,4,6-Trichlorophenol	500	0	500	ug/L	100				78	112	
2,4,5-Trichlorophenol	500	0	490	ug/L	98				71	111	
2,4-Dinitrotoluene	500	0	500	ug/L	100				50	142	
Hexachlorobenzene	500	0	480	ug/L	96				72	115	
Pentachlorophenol	1000	70.3	1000	ug/L	93				25	139	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4258

Client: Roman E&G Corp

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: P4242-04MSD		**Client Sample ID: TP-QMSD**						**DataFile: BF139650.D**			
Pyridine	500	0	410	ug/L	82	2			10	109	20
1,4-Dichlorobenzene	500	0	450	ug/L	90	4			55	125	20
2-Methylphenol	500	0	480	ug/L	96	2			37	126	20
3+4-Methylphenols	500	0	470	ug/L	94	2			31	127	20
Hexachloroethane	500	0	460	ug/L	92	0			49	110	20
Nitrobenzene	500	0	470	ug/L	94	2			62	112	20
Hexachlorobutadiene	500	0	450	ug/L	90	0			52	125	20
2,4,6-Trichlorophenol	500	0	490	ug/L	98	2			78	112	20
2,4,5-Trichlorophenol	500	0	480	ug/L	96	2			71	111	20
2,4-Dinitrotoluene	500	0	490	ug/L	98	2			50	142	20
Hexachlorobenzene	500	0	480	ug/L	96	0			72	115	20
Pentachlorophenol	1000	70.3	1000	ug/L	93	0			25	139	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4258

Client: Roman E&G Corp

Analytical Method: 8270E **DataFile:** BF139647.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB163883BS	Pyridine	50	46.6	ug/L	93				29	97	
	1,4-Dichlorobenzene	50	45.7	ug/L	91				76	103	
	2-Methylphenol	50	47.8	ug/L	96				69	109	
	3+4-Methylphenols	50	47.6	ug/L	95				67	106	
	Hexachloroethane	50	46.3	ug/L	93				76	118	
	Nitrobenzene	50	45.4	ug/L	91				58	106	
	Hexachlorobutadiene	50	45.1	ug/L	90				69	101	
	2,4,6-Trichlorophenol	50	48.2	ug/L	96				61	110	
	2,4,5-Trichlorophenol	50	46.1	ug/L	92				70	106	
	2,4-Dinitrotoluene	50	48.7	ug/L	97				60	115	
	Hexachlorobenzene	50	47.2	ug/L	94				73	106	
	Pentachlorophenol	100	87.2	ug/L	87				47	114	

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB163883BL

Lab Name: CHEMTECH Contract: ROMA02

Lab Code: CHEM Case No.: P4258 SAS No.: P4258 SDG NO.: P4258

Lab File ID: BF139645.D Lab Sample ID: PB163883BL

Instrument ID: BNA_F Date Extracted: 10/03/2024

Matrix: (soil/water) water Date Analyzed: 10/04/2024

Level: (low/med) LOW Time Analyzed: 09:29

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB163851TB	PB163851TB	BF139646.D	10/04/2024
PB163883BS	PB163883BS	BF139647.D	10/04/2024
Chamberlain Ave	P4258-04	BF139655.D	10/04/2024
TP-QMS	P4242-04MS	BF139649.D	10/04/2024
TP-QMSD	P4242-04MSD	BF139650.D	10/04/2024

COMMENTS:

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Fax : 908 789 8922

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: ROMA02

Lab Code: CHEM SAS No.: P4258 SDG NO.: P4258

Lab File ID: BF139583.D DFTPP Injection Date: 10/01/2024

Instrument ID: BNA_F DFTPP Injection Time: 13:38

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	49.4
68	Less than 2.0% of mass 69	0.8 (1.9) 1
69	Mass 69 relative abundance	42.4
70	Less than 2.0% of mass 69	0.3 (0.6) 1
127	10.0 - 80.0% of mass 198	49.6
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 60.0% of mass 198	26.5
365	Greater than 1% of mass 198	3.2
441	Present, but less than mass 443	13.6
442	Greater than 50% of mass 198	86.9
443	15.0 - 24.0% of mass 442	16.5 (19) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BF139584.D	10/01/2024	14:05
SSTDICC005	SSTDICC005	BF139585.D	10/01/2024	14:34
SSTDICC010	SSTDICC010	BF139586.D	10/01/2024	15:02
SSTDICC020	SSTDICC020	BF139587.D	10/01/2024	15:30
SSTDICCC040	SSTDICCC040	BF139588.D	10/01/2024	15:58
SSTDICC050	SSTDICC050	BF139589.D	10/01/2024	16:25
SSTDICC060	SSTDICC060	BF139590.D	10/01/2024	16:54
SSTDICC080	SSTDICC080	BF139591.D	10/01/2024	17:22

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: ROMA02

Lab Code: CHEM SAS No.: P4258 SDG NO.: P4258

Lab File ID: BF139643.D DFTPP Injection Date: 10/04/2024

Instrument ID: BNA_F DFTPP Injection Time: 08:33

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	47.8
68	Less than 2.0% of mass 69	0.8 (1.8) 1
69	Mass 69 relative abundance	41
70	Less than 2.0% of mass 69	0.2 (0.4) 1
127	10.0 - 80.0% of mass 198	48.8
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 60.0% of mass 198	27.3
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	14.6
442	Greater than 50% of mass 198	94.9
443	15.0 - 24.0% of mass 442	18.5 (19.5) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF139644.D	10/04/2024	09:01
PB163883BL	PB163883BL	BF139645.D	10/04/2024	09:29
PB163851TB	PB163851TB	BF139646.D	10/04/2024	09:56
PB163883BS	PB163883BS	BF139647.D	10/04/2024	10:24
TP-QMS	P4242-04MS	BF139649.D	10/04/2024	11:19
TP-QMSD	P4242-04MSD	BF139650.D	10/04/2024	11:47

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: ROMA02

Lab Code: CHEM SAS No.: P4258 SDG NO.: P4258

Lab File ID: BF139651.D DFTPP Injection Date: 10/04/2024

Instrument ID: BNA_F DFTPP Injection Time: 12:15

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	48
68	Less than 2.0% of mass 69	0.7 (1.6) 1
69	Mass 69 relative abundance	41.3
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	48.9
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 60.0% of mass 198	26.5
365	Greater than 1% of mass 198	3.2
441	Present, but less than mass 443	14.9
442	Greater than 50% of mass 198	95
443	15.0 - 24.0% of mass 442	18.3 (19.3) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF139652.D	10/04/2024	12:43
Chamberlain Ave	P4258-04	BF139655.D	10/04/2024	14:07

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4258 SAS No.: P4258 SDG NO.: P4258

EPA Sample No.: SSTDCCC040 Date Analyzed: 10/04/2024

Lab File ID: BF139644.D Time Analyzed: 09:01

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	94914	6.869	347321	8.15	190413	9.90
	UPPER LIMIT	189828	7.369	694642	8.651	380826	10.404
	LOWER LIMIT	47457	6.369	173661	7.651	95206.5	9.404
	EPA SAMPLE NO.						
01	PB163883BL	93658	6.86	358600	8.15	200684	9.90
02	PB163851TB	87365	6.86	332749	8.15	181182	9.90
03	PB163883BS	93801	6.86	355027	8.15	196147	9.90
04	TP-QMS	90984	6.87	349150	8.15	193785	9.90
05	TP-QMSD	95221	6.87	355308	8.15	201553	9.90

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4258 SAS No.: P4258 SDG NO.: P4258

EPA Sample No.: SSTDCCC040 Date Analyzed: 10/04/2024

Lab File ID: BF139644.D Time Analyzed: 09:01

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	346153	11.386	196860	14.027	223781	15.498
	UPPER LIMIT	692306	11.886	393720	14.527	447562	15.998
	LOWER LIMIT	173077	10.886	98430	13.527	111891	14.998
	EPA SAMPLE NO.						
01	PB163883BL	382052	11.39	212702	14.02	210145	15.49
02	PB163851TB	349179	11.39	203841	14.02	202861	15.49
03	PB163883BS	367991	11.39	195485	14.03	202104	15.49
04	TP-QMS	357779	11.39	197147	14.03	213541	15.50
05	TP-QMSD	366474	11.39	196941	14.03	212758	15.50

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4258 SAS No.: P4258 SDG NO.: P4258

EPA Sample No.: SSTDCCC040 Date Analyzed: 10/04/2024

Lab File ID: BF139652.D Time Analyzed: 12:43

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	102462	6.863	379259	8.15	208025	9.90
	UPPER LIMIT	204924	7.363	758518	8.651	416050	10.404
	LOWER LIMIT	51231	6.363	189630	7.651	104013	9.404
	EPA SAMPLE NO.						
01	Chamberlain Ave	92657	6.86	348932	8.15	193027	9.90

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4258 SAS No.: P4258 SDG NO.: P4258

EPA Sample No.: SSTDCCC040 Date Analyzed: 10/04/2024

Lab File ID: BF139652.D Time Analyzed: 12:43

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	382146	11.386	210514	14.027	230633	15.498
	UPPER LIMIT	764292	11.886	421028	14.527	461266	15.998
	LOWER LIMIT	191073	10.886	105257	13.527	115317	14.998
	EPA SAMPLE NO.						
01	Chamberlain Ave	361345	11.39	198886	14.02	200851	15.49

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

QC SAMPLE DATA

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Report of Analysis

Client:	Roman E&G Corp			Date Collected:			
Project:	Perth Amboy			Date Received:			
Client Sample ID:	PB163883BL			SDG No.:	P4258		
Lab Sample ID:	PB163883BL			Matrix:	TCLP		
Analytical Method:	SW8270			% Solid:	0		
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000		uL
Soil Aliquot Vol:			uL	Test:	TCLP BNA		
Extraction Type :			Decanted : N	Level :	LOW		
Injection Volume :			GPC Factor : 1.0	GPC Cleanup :	N	PH :	
Prep Method :	SW3510C						

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139645.D	1	10/03/24 11:30	10/04/24 09:29	PB163883

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	1.60	U	1.60	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.84	U	0.84	5.00	ug/L
95-48-7	2-Methylphenol	1.10	U	1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	1.20	U	1.20	10.0	ug/L
67-72-1	Hexachloroethane	1.00	U	1.00	5.00	ug/L
98-95-3	Nitrobenzene	1.30	U	1.30	5.00	ug/L
87-68-3	Hexachlorobutadiene	1.30	U	1.30	5.00	ug/L
88-06-2	2,4,6-Trichlorophenol	0.89	U	0.89	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	1.00	U	1.00	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	1.50	U	1.50	5.00	ug/L
118-74-1	Hexachlorobenzene	1.10	U	1.10	5.00	ug/L
87-86-5	Pentachlorophenol	1.90	U	1.90	10.0	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	137		10 - 139	91%	SPK: 150
13127-88-3	Phenol-d6	134		10 - 134	89%	SPK: 150
4165-60-0	Nitrobenzene-d5	90.3		49 - 133	90%	SPK: 100
321-60-8	2-Fluorobiphenyl	90.2		52 - 132	90%	SPK: 100
118-79-6	2,4,6-Tribromophenol	130		44 - 137	86%	SPK: 150
1718-51-0	Terphenyl-d14	99.2		48 - 125	99%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	93700	6.863			
1146-65-2	Naphthalene-d8	359000	8.145			
15067-26-2	Acenaphthene-d10	201000	9.898			
1517-22-2	Phenanthrene-d10	382000	11.386			
1719-03-5	Chrysene-d12	213000	14.021			
1520-96-3	Perylene-d12	210000	15.492			

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Report of Analysis

Client:	Roman E&G Corp			Date Collected:			
Project:	Perth Amboy			Date Received:			
Client Sample ID:	PB163883BL			SDG No.:	P4258		
Lab Sample ID:	PB163883BL			Matrix:	TCLP		
Analytical Method:	SW8270			% Solid:	0		
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000		uL
Soil Aliquot Vol:			uL	Test:	TCLP BNA		
Extraction Type :			Decanted : N	Level :	LOW		
Injection Volume :			GPC Factor : 1.0	GPC Cleanup :	N	PH :	
Prep Method :	SW3510C						

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139645.D	1	10/03/24 11:30	10/04/24 09:29	PB163883

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Roman E&G Corp			Date Collected:	
Project:	Perth Amboy			Date Received:	
Client Sample ID:	PB163883BS			SDG No.:	P4258
Lab Sample ID:	PB163883BS			Matrix:	TCLP
Analytical Method:	SW8270			% Solid:	0
Sample Wt/Vol:	1000	Units: mL		Final Vol:	1000 uL
Soil Aliquot Vol:		uL		Test:	TCLP BNA
Extraction Type :		Decanted : N		Level :	LOW
Injection Volume :		GPC Factor : 1.0		GPC Cleanup : N	PH :
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139647.D	1	10/03/24 11:30	10/04/24 10:24	PB163883

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	46.6		1.60	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	45.7		0.84	5.00	ug/L
95-48-7	2-Methylphenol	47.8		1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	47.6		1.20	10.0	ug/L
67-72-1	Hexachloroethane	46.3		1.00	5.00	ug/L
98-95-3	Nitrobenzene	45.4		1.30	5.00	ug/L
87-68-3	Hexachlorobutadiene	45.1		1.30	5.00	ug/L
88-06-2	2,4,6-Trichlorophenol	48.2		0.89	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	46.1		1.00	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	48.7		1.50	5.00	ug/L
118-74-1	Hexachlorobenzene	47.2		1.10	5.00	ug/L
87-86-5	Pentachlorophenol	87.2	E	1.90	10.0	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	137		10 - 139	91%	SPK: 150
13127-88-3	Phenol-d6	134		10 - 134	89%	SPK: 150
4165-60-0	Nitrobenzene-d5	90.9		49 - 133	91%	SPK: 100
321-60-8	2-Fluorobiphenyl	90.4		52 - 132	90%	SPK: 100
118-79-6	2,4,6-Tribromophenol	135		44 - 137	90%	SPK: 150
1718-51-0	Terphenyl-d14	98.6		48 - 125	99%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	93800	6.863			
1146-65-2	Naphthalene-d8	355000	8.145			
15067-26-2	Acenaphthene-d10	196000	9.904			
1517-22-2	Phenanthrene-d10	368000	11.386			
1719-03-5	Chrysene-d12	195000	14.027			
1520-96-3	Perylene-d12	202000	15.492			

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Report of Analysis

Client:	Roman E&G Corp			Date Collected:			
Project:	Perth Amboy			Date Received:			
Client Sample ID:	PB163883BS			SDG No.:	P4258		
Lab Sample ID:	PB163883BS			Matrix:	TCLP		
Analytical Method:	SW8270			% Solid:	0		
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000		uL
Soil Aliquot Vol:			uL	Test:	TCLP BNA		
Extraction Type :			Decanted : N	Level :	LOW		
Injection Volume :			GPC Factor : 1.0	GPC Cleanup :	N	PH :	
Prep Method :	SW3510C						

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139647.D	1	10/03/24 11:30	10/04/24 10:24	PB163883

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Roman E&G Corp	Date Collected:	10/01/24
Project:	Perth Amboy	Date Received:	10/01/24
Client Sample ID:	TP-QMS	SDG No.:	P4258
Lab Sample ID:	P4242-04MS	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139649.D	1	10/03/24 11:30	10/04/24 11:19	PB163883

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	420		15.5	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	470		8.40	50.0	ug/L
95-48-7	2-Methylphenol	490		11.3	50.0	ug/L
65794-96-9	3+4-Methylphenols	480		11.5	100	ug/L
67-72-1	Hexachloroethane	460		10.1	50.0	ug/L
98-95-3	Nitrobenzene	460		12.7	50.0	ug/L
87-68-3	Hexachlorobutadiene	450		12.7	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	500		8.90	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	490		10.1	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	500		15.2	50.0	ug/L
118-74-1	Hexachlorobenzene	480		11.4	50.0	ug/L
87-86-5	Pentachlorophenol	1000	E	18.5	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	135		10 - 139	90%	SPK: 150
13127-88-3	Phenol-d6	125		10 - 134	83%	SPK: 150
4165-60-0	Nitrobenzene-d5	94.4		49 - 133	94%	SPK: 100
321-60-8	2-Fluorobiphenyl	92.7		52 - 132	93%	SPK: 100
118-79-6	2,4,6-Tribromophenol	136		44 - 137	91%	SPK: 150
1718-51-0	Terphenyl-d14	92.3		48 - 125	92%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	91000	6.869			
1146-65-2	Naphthalene-d8	349000	8.145			
15067-26-2	Acenaphthene-d10	194000	9.904			
1517-22-2	Phenanthrene-d10	358000	11.392			
1719-03-5	Chrysene-d12	197000	14.027			
1520-96-3	Perylene-d12	214000	15.498			

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Report of Analysis

Client:	Roman E&G Corp			Date Collected:	10/01/24
Project:	Perth Amboy			Date Received:	10/01/24
Client Sample ID:	TP-QMS			SDG No.:	P4258
Lab Sample ID:	P4242-04MS			Matrix:	TCLP
Analytical Method:	SW8270			% Solid:	0
Sample Wt/Vol:	100	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	TCLP BNA
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139649.D	1	10/03/24 11:30	10/04/24 11:19	PB163883

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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

Report of Analysis

Client:	Roman E&G Corp	Date Collected:	10/01/24
Project:	Perth Amboy	Date Received:	10/01/24
Client Sample ID:	TP-QMSD	SDG No.:	P4258
Lab Sample ID:	P4242-04MSD	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139650.D	1	10/03/24 11:30	10/04/24 11:47	PB163883

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	410		15.5	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	450		8.40	50.0	ug/L
95-48-7	2-Methylphenol	480		11.3	50.0	ug/L
65794-96-9	3+4-Methylphenols	470		11.5	100	ug/L
67-72-1	Hexachloroethane	460		10.1	50.0	ug/L
98-95-3	Nitrobenzene	470		12.7	50.0	ug/L
87-68-3	Hexachlorobutadiene	450		12.7	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	490		8.90	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	480		10.1	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	490		15.2	50.0	ug/L
118-74-1	Hexachlorobenzene	480		11.4	50.0	ug/L
87-86-5	Pentachlorophenol	1000	E	18.5	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	131		10 - 139	87%	SPK: 150
13127-88-3	Phenol-d6	123		10 - 134	82%	SPK: 150
4165-60-0	Nitrobenzene-d5	95.3		49 - 133	95%	SPK: 100
321-60-8	2-Fluorobiphenyl	90.8		52 - 132	91%	SPK: 100
118-79-6	2,4,6-Tribromophenol	134		44 - 137	90%	SPK: 150
1718-51-0	Terphenyl-d14	92.5		48 - 125	92%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	95200	6.869			
1146-65-2	Naphthalene-d8	355000	8.151			
15067-26-2	Acenaphthene-d10	202000	9.904			
1517-22-2	Phenanthrene-d10	366000	11.386			
1719-03-5	Chrysene-d12	197000	14.027			
1520-96-3	Perylene-d12	213000	15.498			

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Fax : 908 789 8922

Report of Analysis

Client:	Roman E&G Corp			Date Collected:	10/01/24
Project:	Perth Amboy			Date Received:	10/01/24
Client Sample ID:	TP-QMSD			SDG No.:	P4258
Lab Sample ID:	P4242-04MSD			Matrix:	TCLP
Analytical Method:	SW8270			% Solid:	0
Sample Wt/Vol:	100	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	TCLP BNA
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139650.D	1	10/03/24 11:30	10/04/24 11:47	PB163883

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
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J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

CALIBRATION SUMMARY

Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF100124.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Oct 02 04:58:47 2024
Response Via : Initial Calibration

Calibration Files
2.5 =BF139584.D 5 =BF139585.D 10 =BF139586.D 20 =BF139587.D 40 =BF139588.D 50 =BF139589.D 60 =BF139590.D 80 =BF1395
91.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.523	0.523	0.509	0.485	0.488	0.490	0.474	0.499	3.89
3)		Pyridine		1.305	1.304	1.277	1.163	1.155	1.177	1.112	1.213	6.59
4)		n-Nitrosodimet...		0.820	0.790	0.797	0.783	0.784	0.802	0.782	0.794	1.72
5)	S	2-Fluorophenol		1.285	1.218	1.191	1.113	1.096	1.106	1.068	1.154	6.84
6)		Aniline		1.562	1.492	1.462	1.276	1.243	1.226		1.377	10.56
7)	S	Phenol-d6		1.719	1.638	1.599	1.490	1.482	1.490	1.445	1.552	6.54
8)		2-Chlorophenol		1.326	1.337	1.289	1.191	1.180	1.192	1.139	1.236	6.40
9)		Benzaldehyde		1.008	1.014	0.926	0.787	0.727	0.680	0.612	0.822	19.68
10)	C	Phenol		1.798	1.748	1.691	1.602	1.548	1.570	1.464	1.632	7.27
11)		bis(2-Chloroet...		1.356	1.331	1.264	1.258	1.236	1.261	1.595	1.329	9.42
12)		1,3-Dichlorobe...		1.527	1.477	1.450	1.346	1.330	1.339	1.266	1.391	6.78
13)	C	1,4-Dichlorobe...		1.592	1.510	1.451	1.348	1.341	1.348	1.271	1.409	8.01
14)		1,2-Dichlorobe...		1.469	1.429	1.393	1.278	1.256	1.241	1.175	1.320	8.33
15)		Benzyl Alcohol		1.239	1.244	1.233	1.170	1.144	1.166	1.103	1.186	4.55
16)		2,2'-oxybis(1-...		2.573	2.446	2.391	2.225	2.186	2.202	2.075	2.300	7.60
17)		2-Methylphenol		1.105	1.073	1.068	1.010	0.992	1.005	0.972	1.032	4.80
18)		Hexachloroethane		0.553	0.548	0.550	0.511	0.511	0.516	0.489	0.525	4.73
19)	P	n-Nitroso-di-n...	1.024	1.073	1.066	1.030	0.959	0.932	0.971	0.926	0.998	5.83
20)		3+4-Methylphenols		1.439	1.405	1.363	1.257	1.226	1.229	1.154	1.296	8.20
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.530	0.505	0.494	0.451	0.447	0.460	0.436	0.475	7.36
23)	S	Nitrobenzene-d5		0.420	0.411	0.406	0.382	0.382	0.391	0.373	0.395	4.43
24)		Nitrobenzene		0.427	0.424	0.421	0.397	0.391	0.408	0.396	0.409	3.63
25)		Isophorone		0.766	0.728	0.713	0.675	0.662	0.695	0.672	0.702	5.25
26)	C	2-Nitrophenol		0.174	0.172	0.181	0.178	0.175	0.179	0.172	0.176	1.99
27)		2,4-Dimethylph...		0.228	0.224	0.218	0.206	0.209	0.216	0.206	0.215	4.10
28)		bis(2-Chloroet...		0.459	0.438	0.433	0.403	0.401	0.411	0.389	0.419	5.92
29)	C	2,4-Dichloroph...		0.300	0.295	0.293	0.275	0.266	0.276	0.261	0.281	5.42
30)		1,2,4-Trichlor...		0.344	0.336	0.329	0.307	0.301	0.311	0.295	0.318	5.92
31)		Naphthalene		1.144	1.090	1.074	0.982	0.962	0.983	0.923	1.023	7.84
32)		Benzoic acid		0.159	0.187	0.220	0.224	0.227	0.243	0.240	0.214	14.27
33)		4-Chloroaniline		0.382	0.367	0.361	0.340	0.330	0.333	0.310	0.346	7.21
34)	C	Hexachlorobuta...		0.223	0.216	0.216	0.197	0.198	0.201	0.189	0.205	6.11
35)		Caprolactam		0.098	0.099	0.093	0.088	0.088	0.092	0.086	0.092	5.47
36)	C	4-Chloro-3-met...		0.345	0.335	0.331	0.303	0.300	0.312	0.299	0.318	5.88
37)		2-Methylnaphth...		0.764	0.718	0.694	0.639	0.620	0.633	0.594	0.666	9.12
38)		1-Methylnaphth...		0.739	0.708	0.677	0.624	0.610	0.617	0.581	0.651	8.90

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF100124.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.601	0.594	0.586	0.536	0.528	0.536	0.507	0.555	6.70
41)	P	Hexachlorocycl...	0.120	0.148	0.173	0.184	0.191	0.193	0.184	0.170	15.84
42)	S	2,4,6-Tribromo...	0.212	0.208	0.200	0.187	0.182	0.186	0.177	0.193	7.11
43)	C	2,4,6-Trichlor...	0.395	0.383	0.391	0.366	0.362	0.371	0.352	0.374	4.27
44)		2,4,5-Trichlor...	0.433	0.429	0.412	0.390	0.389	0.393	0.378	0.404	5.28
45)	S	2-Fluorobiphenyl	1.547	1.443	1.373	1.228	1.203	1.194	1.131	1.303	11.78
46)		1,1'-Biphenyl	1.680	1.619	1.556	1.416	1.400	1.408	1.334	1.488	8.73
47)		2-Chloronaphth...	1.225	1.193	1.156	1.074	1.067	1.069	1.023	1.115	6.80
48)		2-Nitroaniline	0.401	0.400	0.409	0.394	0.397	0.407	0.395	0.400	1.44
49)		Acenaphthylene	1.889	1.832	1.784	1.632	1.615	1.609	1.510	1.696	8.22
50)		Dimethylphthalate	1.471	1.387	1.342	1.249	1.249	1.251	1.216	1.309	7.15
51)		2,6-Dinitrotol...	0.313	0.310	0.304	0.288	0.285	0.293	0.277	0.296	4.56
52)	C	Acenaphthene	1.279	1.237	1.207	1.126	1.115	1.122	1.064	1.164	6.67
53)		3-Nitroaniline	0.326	0.319	0.314	0.293	0.291	0.293	0.278	0.302	5.84
54)	P	2,4-Dinitrophenol	0.122	0.136	0.164	0.164	0.176	0.178	0.173	0.159	13.53
55)		Dibenzofuran	1.882	1.800	1.713	1.553	1.526	1.520	1.418	1.630	10.42
56)	P	4-Nitrophenol	0.230	0.233	0.237	0.228	0.231	0.236	0.218	0.230	2.71
57)		2,4-Dinitrotol...	0.408	0.416	0.406	0.380	0.377	0.372	0.348	0.387	6.27
58)		Fluorene	1.524	1.436	1.358	1.222	1.212	1.206	1.132	1.298	11.01
59)		2,3,4,6-Tetrac...	0.358	0.338	0.339	0.315	0.314	0.320	0.299	0.326	6.12
60)		Diethylphthalate	1.530	1.451	1.397	1.289	1.290	1.293	1.216	1.352	8.18
61)		4-Chlorophenyl...	0.750	0.728	0.689	0.607	0.604	0.605	0.564	0.650	11.10
62)		4-Nitroaniline	0.340	0.326	0.323	0.298	0.298	0.299	0.280	0.309	6.77
63)		Azobenzene	1.509	1.451	1.415	1.313	1.296	1.292	1.243	1.360	7.23
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...	0.095	0.105	0.114	0.120	0.116	0.123	0.117	0.113	8.71
66)	c	n-Nitrosodiphe...	0.653	0.623	0.609	0.568	0.559	0.569	0.546	0.590	6.66
67)		4-Bromophenyl-...	0.225	0.219	0.211	0.198	0.193	0.199	0.191	0.205	6.48
68)		Hexachlorobenzene	0.251	0.238	0.233	0.220	0.215	0.224	0.212	0.228	6.09
69)		Atrazine	0.189	0.185	0.164	0.132	0.121			0.158	19.43
70)	C	Pentachlorophenol	0.127	0.132	0.139	0.140	0.135	0.142	0.134	0.135	3.86
71)		Phenanthrene	1.071	1.024	0.976	0.904	0.883	0.904	0.838	0.943	8.85
72)		Anthracene	1.078	0.987	0.978	0.896	0.875	0.884	0.833	0.933	9.09
73)		Carbazole	1.013	0.968	0.946	0.867	0.852	0.852	0.774	0.896	9.22
74)		Di-n-butylphth...	1.194	1.155	1.143	1.069	1.042	1.051	0.973	1.090	7.09
75)	C	Fluoranthene	1.217	1.139	1.111	0.993	0.958	0.938	0.861	1.031	12.33
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.478	0.458	0.335	0.346	0.240	0.244	0.369	0.353	26.36
78)		Pyrene	1.799	1.737	1.801	1.817	1.746	1.869	1.753	1.789	2.64
79)	S	Terphenyl-d14	1.296	1.236	1.228	1.209	1.176	1.241	1.147	1.219	3.96
80)		Butylbenzylpht...	0.624	0.609	0.645	0.649	0.646	0.670	0.634	0.640	3.08
81)		Benzo(a)anthra...	1.476	1.348	1.331	1.252	1.274	1.300	1.224	1.315	6.33
82)		3,3'-Dichlorob...	0.440	0.421	0.414	0.395	0.370	0.393	0.383	0.402	5.98
83)		Chrysene	1.330	1.242	1.254	1.189	1.116	1.168	1.117	1.202	6.49
84)		Bis(2-ethylhex...	0.748	0.746	0.796	0.816	0.813	0.849	0.823	0.799	4.84
85)	c	Di-n-octyl pht...	1.038	1.032	1.127	1.189	1.201	1.309	1.319	1.174	9.89

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF100124.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.021	1.065	1.202	1.210	1.220	1.269	1.253	1.177	8.12
88)		Benzo(b)fluora...	1.541	1.415	1.347	1.153	1.261	1.206	1.130	1.293	11.55
89)		Benzo(k)fluora...	1.122	1.177	1.191	1.126	0.998	1.039	1.025	1.097	6.97
90)	C	Benzo(a)pyrene	1.076	1.060	1.042	0.992	0.996	0.999	0.973	1.020	3.84
91)		Dibenzo(a,h)an...	0.850	0.898	0.988	1.008	1.014	1.050	1.027	0.976	7.56
92)		Benzo(g,h,i)pe...	0.833	0.865	0.993	1.020	1.015	1.066	1.062	0.979	9.50

(#) = Out of Range

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ROMA02

Lab Code: CHEM Case No.: P4258 SAS No.: P4258 SDG No.: P4258

Instrument ID: BNA_F Calibration Date/Time: 10/04/2024 09:01

Lab File ID: BF139644.D Init. Calib. Date(s): 10/01/2024 10/01/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 14:05 17:22

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.213	1.278		5.4	
2-Fluorophenol	1.154	1.152		-0.2	
Phenol-d6	1.552	1.506		-3.0	
1,4-Dichlorobenzene	1.409	1.375		-2.4	20.0
2-Methylphenol	1.032	1.000		-3.1	
3+4-Methylphenols	1.296	1.221		-5.8	
Nitrobenzene-d5	0.395	0.380		-3.8	
Hexachloroethane	0.525	0.509		-3.0	
Nitrobenzene	0.409	0.401		-2.0	
Hexachlorobutadiene	0.205	0.200		-2.4	20.0
2,4,6-Trichlorophenol	0.374	0.352		-5.9	20.0
2-Fluorobiphenyl	1.303	1.257		-3.5	
2,4,5-Trichlorophenol	0.404	0.390		-3.5	
2,4-Dinitrotoluene	0.387	0.380		-1.8	
2,4,6-Tribromophenol	0.193	0.176		-8.8	
Hexachlorobenzene	0.228	0.217		-4.8	
Pentachlorophenol	0.135	0.126		-6.7	20.0
Terphenyl-d14	1.219	1.150		-5.7	

All other compounds must meet a minimum RRF of 0.010.

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ROMA02

Lab Code: CHEM Case No.: P4258 SAS No.: P4258 SDG No.: P4258

Instrument ID: BNA_F Calibration Date/Time: 10/04/2024 12:43

Lab File ID: BF139652.D Init. Calib. Date(s): 10/01/2024 10/01/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 14:05 17:22

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.213	1.273		4.9	
2-Fluorophenol	1.154	1.148		-0.5	
Phenol-d6	1.552	1.511		-2.6	
1,4-Dichlorobenzene	1.409	1.365		-3.1	20.0
2-Methylphenol	1.032	1.000		-3.1	
3+4-Methylphenols	1.296	1.232		-4.9	
Nitrobenzene-d5	0.395	0.382		-3.3	
Hexachloroethane	0.525	0.503		-4.2	
Nitrobenzene	0.409	0.399		-2.4	
Hexachlorobutadiene	0.205	0.198		-3.4	20.0
2,4,6-Trichlorophenol	0.374	0.361		-3.5	20.0
2-Fluorobiphenyl	1.303	1.251		-4.0	
2,4,5-Trichlorophenol	0.404	0.398		-1.5	
2,4-Dinitrotoluene	0.387	0.390		0.8	
2,4,6-Tribromophenol	0.193	0.181		-6.2	
Hexachlorobenzene	0.228	0.218		-4.4	
Pentachlorophenol	0.135	0.127		-5.9	20.0
Terphenyl-d14	1.219	1.139		-6.6	

All other compounds must meet a minimum RRF of 0.010.

SAMPLE RAW DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100424\
Data File : BF139655.D
Acq On : 04 Oct 2024 14:07
Operator : RC/JU
Sample : P4258-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
Chamberlain Ave

Quant Time: Oct 04 14:34:44 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 02 04:58:47 2024
Response via : Initial Calibration

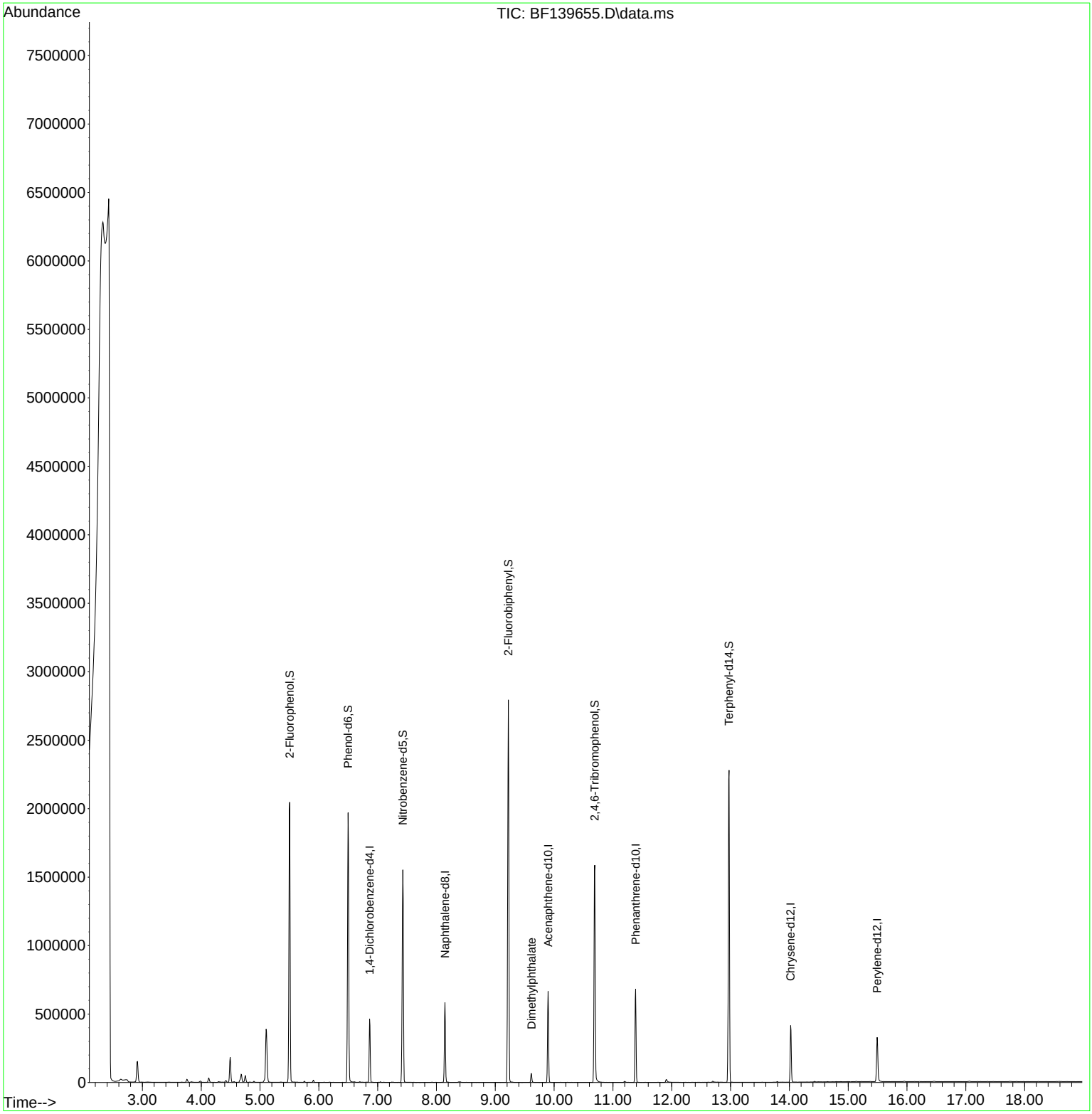
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	92657	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	348932	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	193027	20.000	ng	-0.01
64) Phenanthrene-d10	11.386	188	361345	20.000	ng	0.00
76) Chrysene-d12	14.021	240	198886	20.000	ng	-0.01
86) Perylene-d12	15.492	264	200851	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	736254	137.724	ng	0.02
7) Phenol-d6	6.498	99	909971	126.577	ng	0.00
23) Nitrobenzene-d5	7.428	82	706180	102.467	ng	0.00
42) 2,4,6-Tribromophenol	10.692	330	267355	143.480	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	1253800	99.717	ng	0.00
79) Terphenyl-d14	12.974	244	1161176	95.798	ng	0.00
Target Compounds						Qvalue
50) Dimethylphthalate	9.616	163	39529	3.128	ng	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

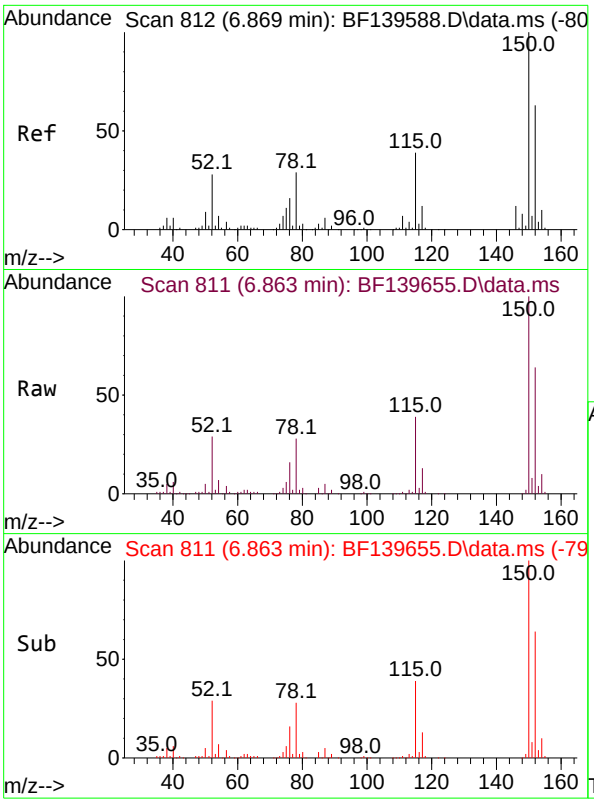
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100424\
Data File : BF139655.D
Acq On : 04 Oct 2024 14:07
Operator : RC/JU
Sample : P4258-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
Chamberlain Ave

Quant Time: Oct 04 14:34:44 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 02 04:58:47 2024
Response via : Initial Calibration



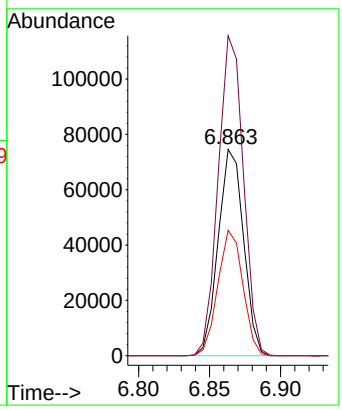
Instrument :
BNA_F
ClientSampleId :
Chamberlain Ave

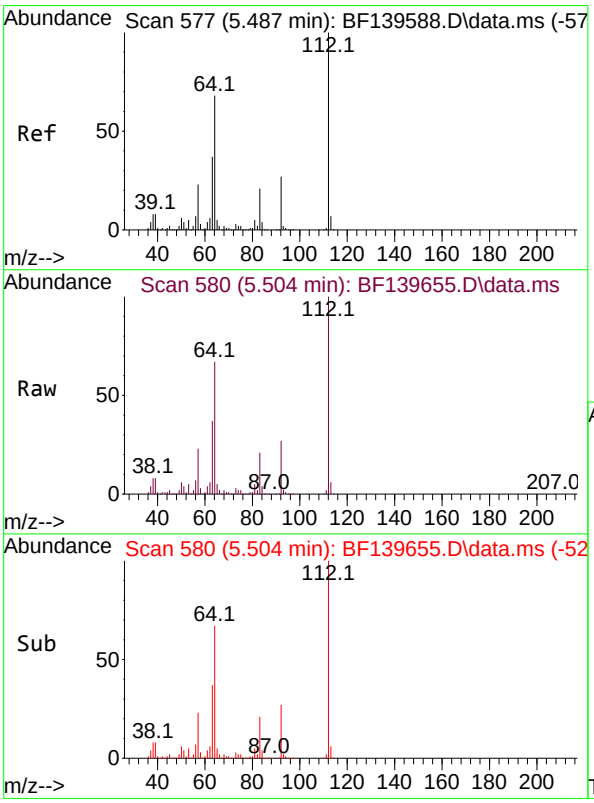


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF139655.D
Acq: 04 Oct 2024 14:07

Tgt Ion:152 Resp: 92657

Ion	Ratio	Lower	Upper
152	100		
150	155.1	127.2	190.8
115	60.7	49.0	73.4

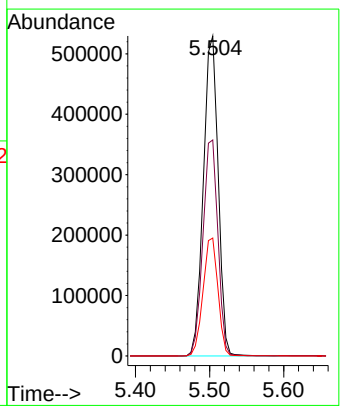




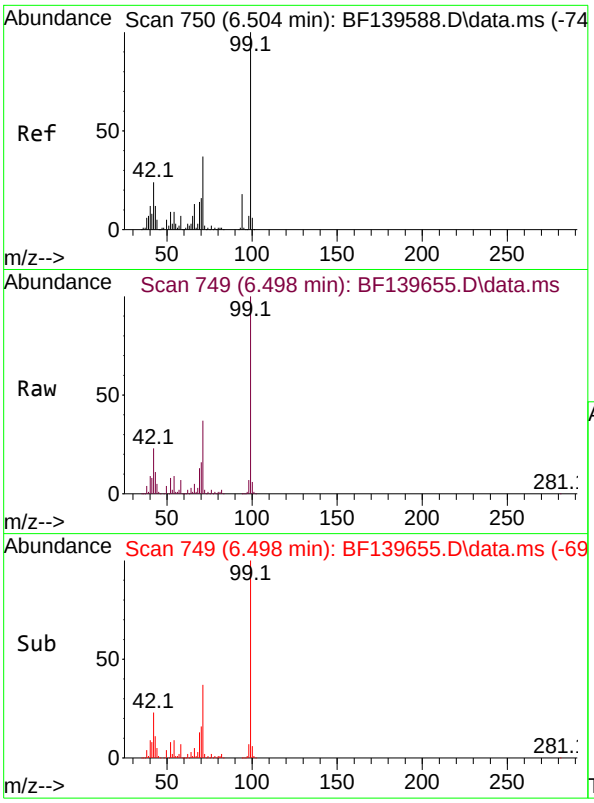
#5
2-Fluorophenol
Concen: 137.724 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.017 min
Lab File: BF139655.D
Acq: 04 Oct 2024 14:07

Tgt Ion:112 Resp: 736254

Ion	Ratio	Lower	Upper
112	100		
64	67.5	54.2	81.4
63	36.9	29.4	44.2



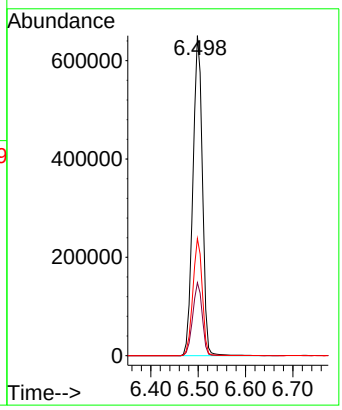
Instrument :
BNA_F
ClientSampleId :
Chamberlain Ave

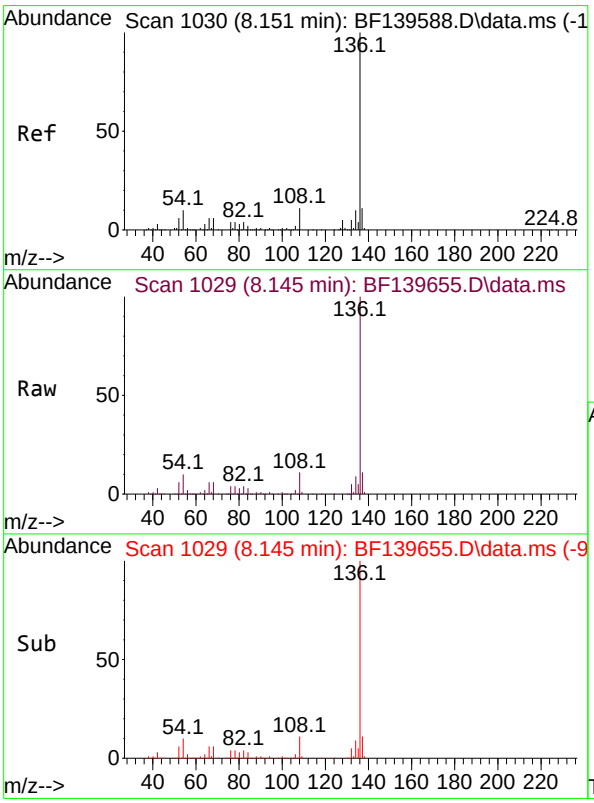


#7
Phenol-d6
Concen: 126.577 ng
RT: 6.498 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF139655.D
Acq: 04 Oct 2024 14:07

Tgt Ion: 99 Resp: 909971

Ion	Ratio	Lower	Upper
99	100		
42	22.8	19.1	28.7
71	36.6	29.7	44.5

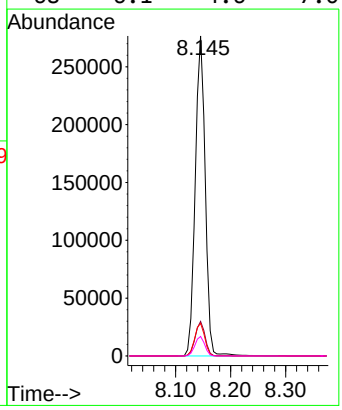


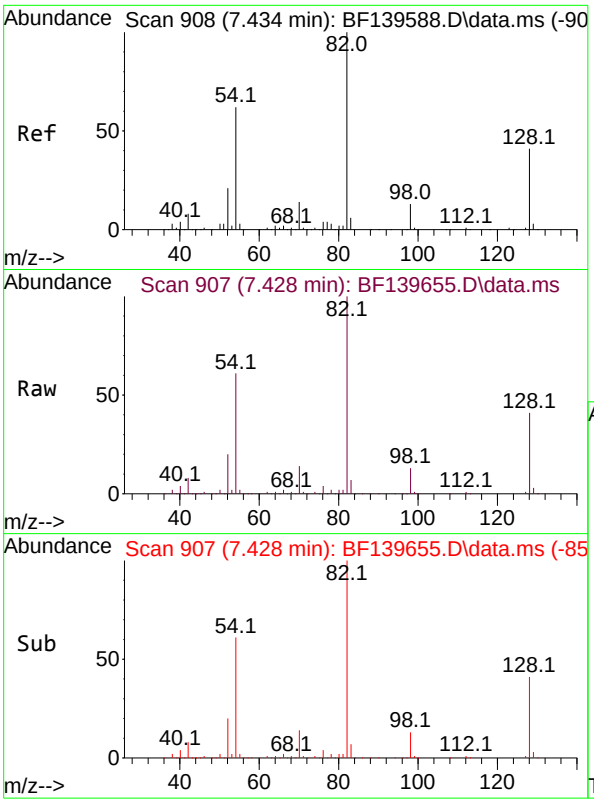


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF139655.D
Acq: 04 Oct 2024 14:07

Tgt Ion:136 Resp: 348932

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	10.2	8.3	12.5
68	6.1	4.6	7.0



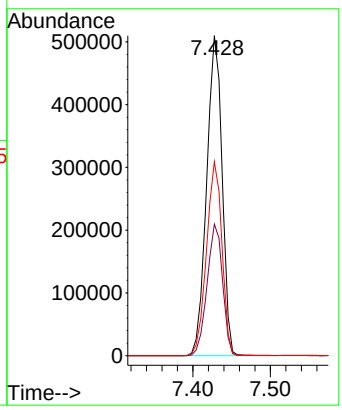


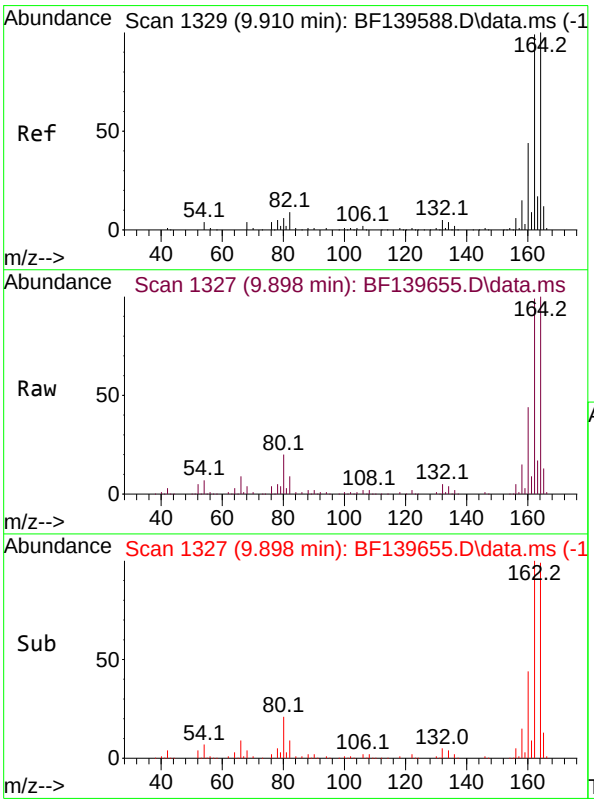
#23
Nitrobenzene-d5
Concen: 102.467 ng
RT: 7.428 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF139655.D
Acq: 04 Oct 2024 14:07

Instrument :
BNA_F
ClientSampleId :
Chamberlain Ave

Tgt Ion: 82 Resp: 706180

Ion	Ratio	Lower	Upper
82	100		
128	41.1	32.4	48.6
54	60.6	49.1	73.7

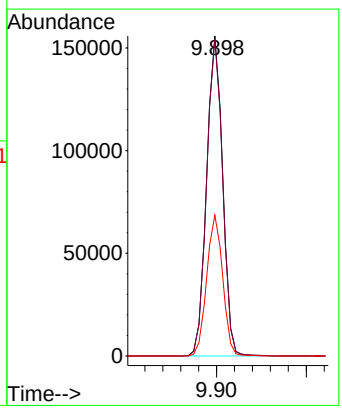




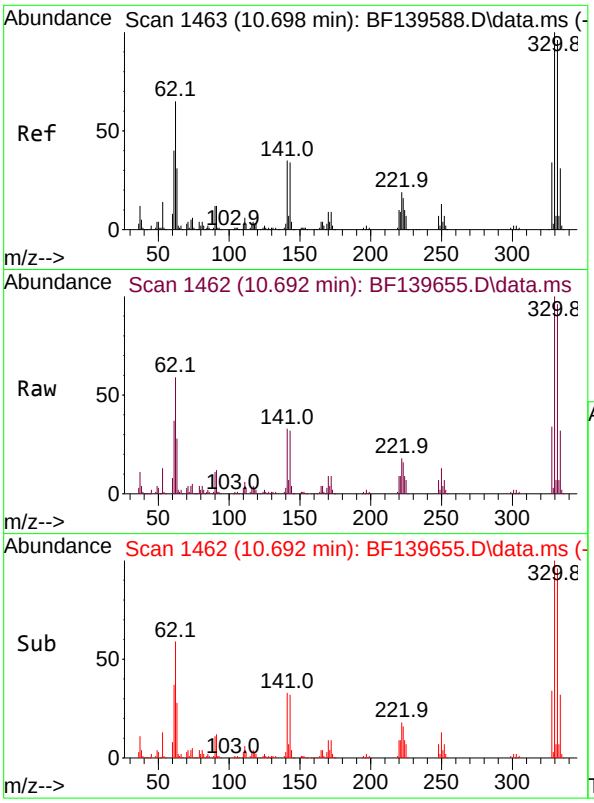
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.012 min
Lab File: BF139655.D
Acq: 04 Oct 2024 14:07

Tgt Ion:164 Resp: 193027

Ion	Ratio	Lower	Upper
164	100		
162	98.9	79.4	119.0
160	44.0	35.1	52.7



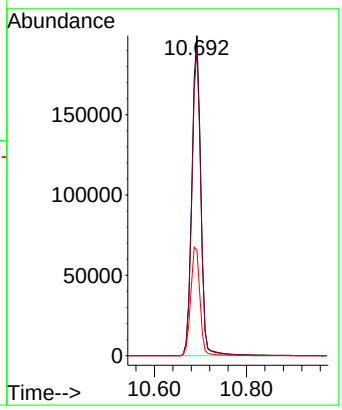
Instrument :
BNA_F
ClientSampleId :
Chamberlain Ave

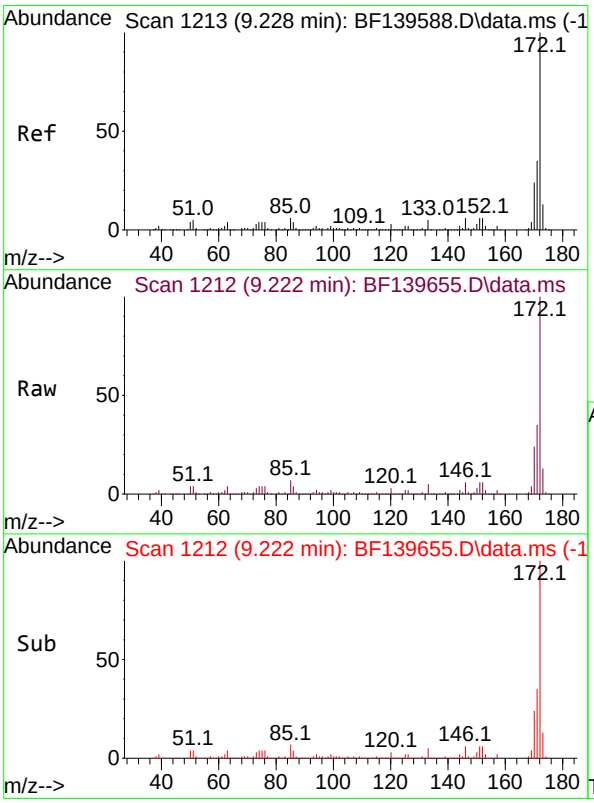


#42
2,4,6-Tribromophenol
Concen: 143.480 ng
RT: 10.692 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF139655.D
Acq: 04 Oct 2024 14:07

Tgt Ion:330 Resp: 267355

Ion	Ratio	Lower	Upper
330	100		
332	95.2	76.5	114.7
141	35.3	29.3	43.9

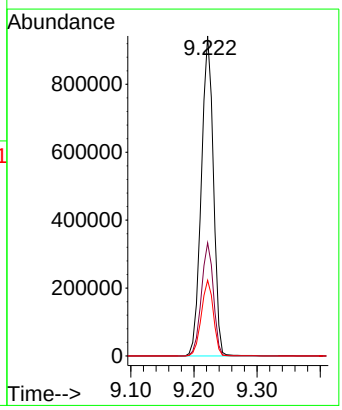




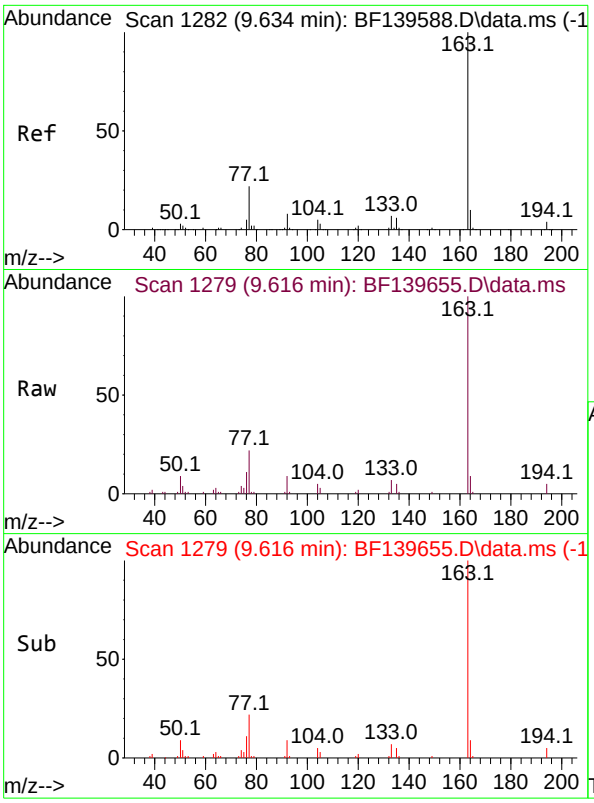
#45
2-Fluorobiphenyl
Concen: 99.717 ng
RT: 9.222 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF139655.D
Acq: 04 Oct 2024 14:07

Tgt Ion:172 Resp: 1253800

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.2	42.4
170	23.7	18.8	28.2



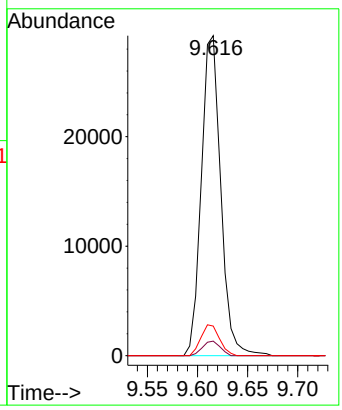
Instrument :
BNA_F
ClientSampleId :
Chamberlain Ave

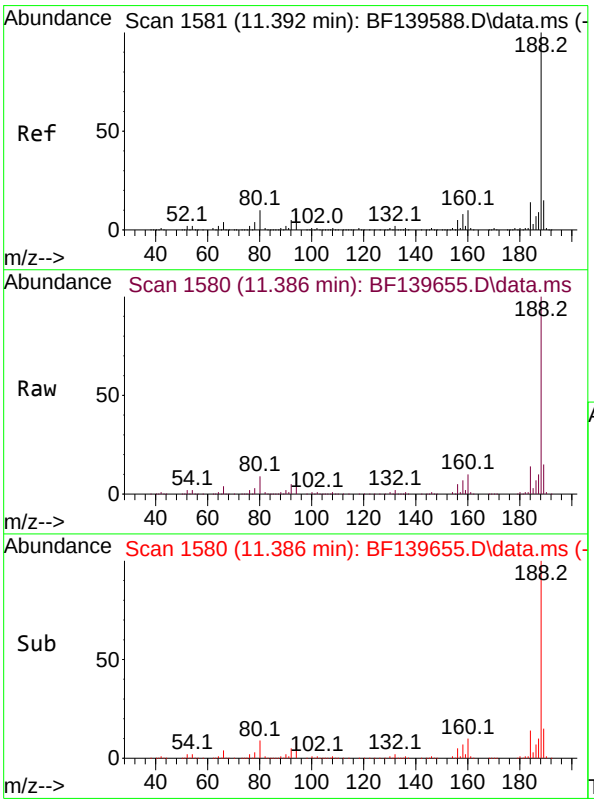


#50
Dimethylphthalate
Concen: 3.128 ng
RT: 9.616 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF139655.D
Acq: 04 Oct 2024 14:07

Tgt Ion:163 Resp: 39529

Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.4	5.0
164	9.2	8.1	12.1

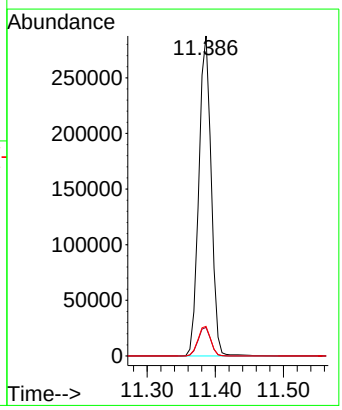




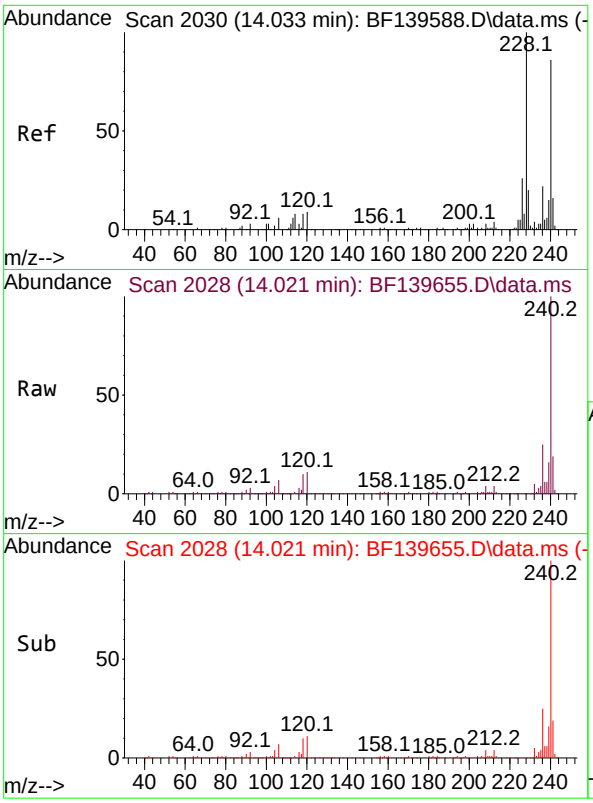
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.386 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BF139655.D
Acq: 04 Oct 2024 14:07

Tgt Ion:188 Resp: 361345

Ion	Ratio	Lower	Upper
188	100		
94	8.9	7.4	11.2
80	9.2	8.2	12.2



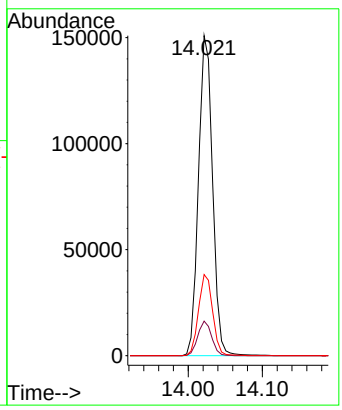
Instrument :
BNA_F
ClientSampleId :
Chamberlain Ave

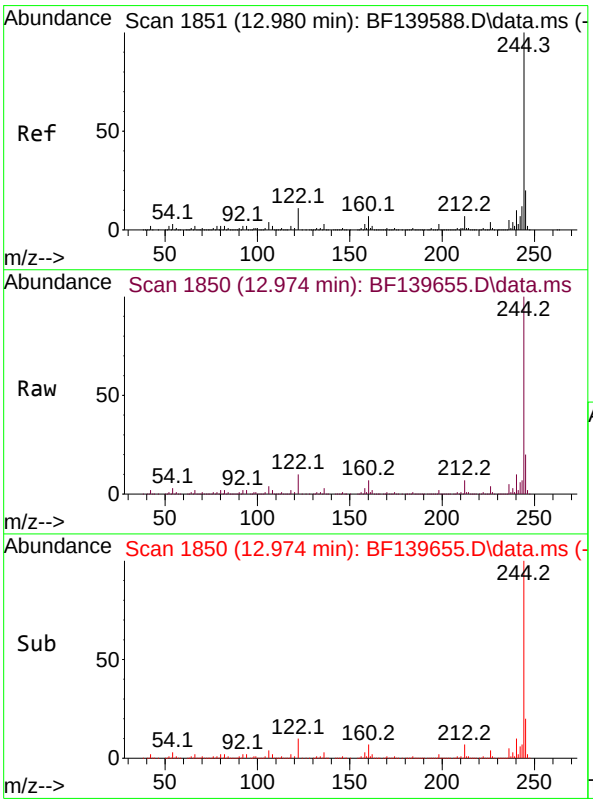


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.021 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF139655.D
Acq: 04 Oct 2024 14:07

Tgt Ion:240 Resp: 198886

Ion	Ratio	Lower	Upper
240	100		
120	10.8	8.4	12.6
236	25.4	20.3	30.5

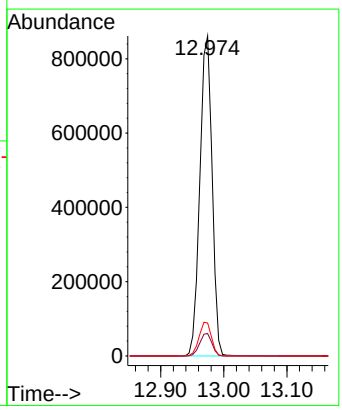


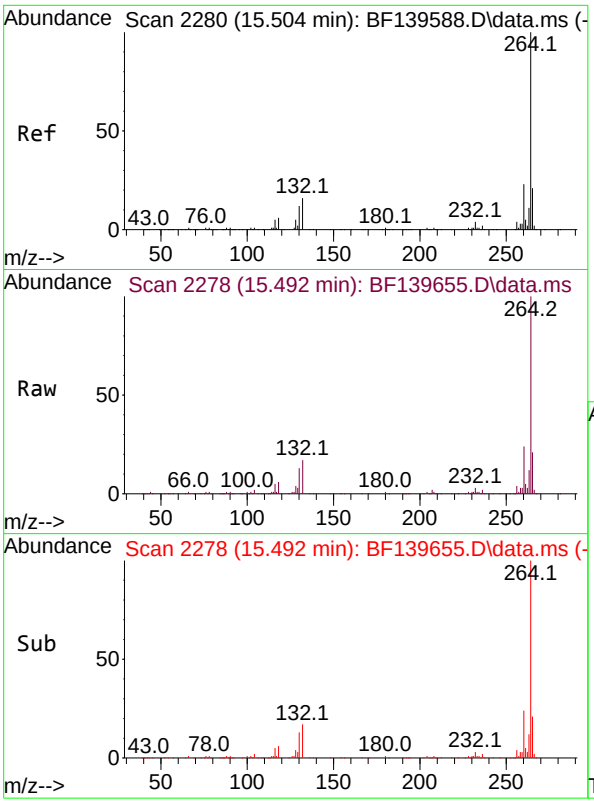


#79
Terphenyl-d14
Concen: 95.798 ng
RT: 12.974 min Scan# 1850
Delta R.T. -0.006 min
Lab File: BF139655.D
Acq: 04 Oct 2024 14:07

Tgt Ion:244 Resp: 1161176

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.8	8.6
122	10.3	8.6	12.8



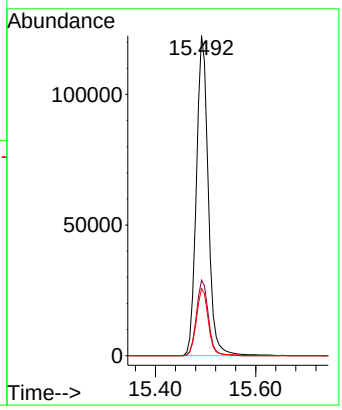


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.492 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF139655.D
Acq: 04 Oct 2024 14:07

Instrument :
BNA_F
ClientSampleId :
Chamberlain Ave

Tgt Ion:264 Resp: 200851

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.7	28.1
265	21.0	16.9	25.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100424\
Data File : BF139646.D
Acq On : 04 Oct 2024 09:56
Operator : RC/JU
Sample : PB163851TB
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB163851TB

Quant Time: Oct 04 11:11:12 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 02 04:58:47 2024
Response via : Initial Calibration

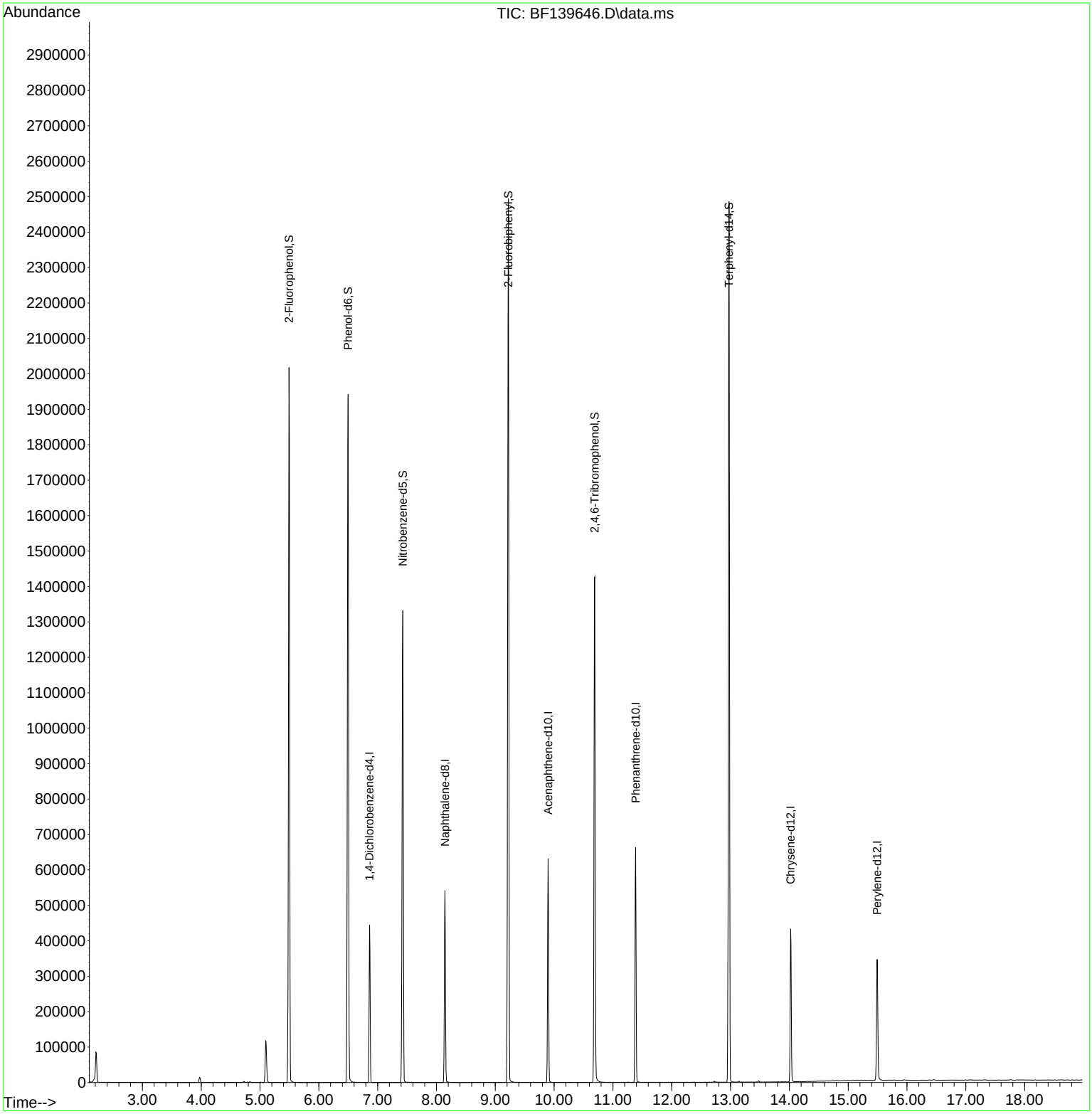
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	87365	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	332749	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	181182	20.000	ng	-0.01
64) Phenanthrene-d10	11.386	188	349179	20.000	ng	0.00
76) Chrysene-d12	14.021	240	203841	20.000	ng	-0.01
86) Perylene-d12	15.492	264	202861	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	709819	140.822	ng	0.00
7) Phenol-d6	6.498	99	928942	137.043	ng	0.00
23) Nitrobenzene-d5	7.428	82	605545	92.138	ng	0.00
42) 2,4,6-Tribromophenol	10.692	330	234072	133.831	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	1119166	94.829	ng	0.00
79) Terphenyl-d14	12.974	244	1221569	98.331	ng	0.00
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

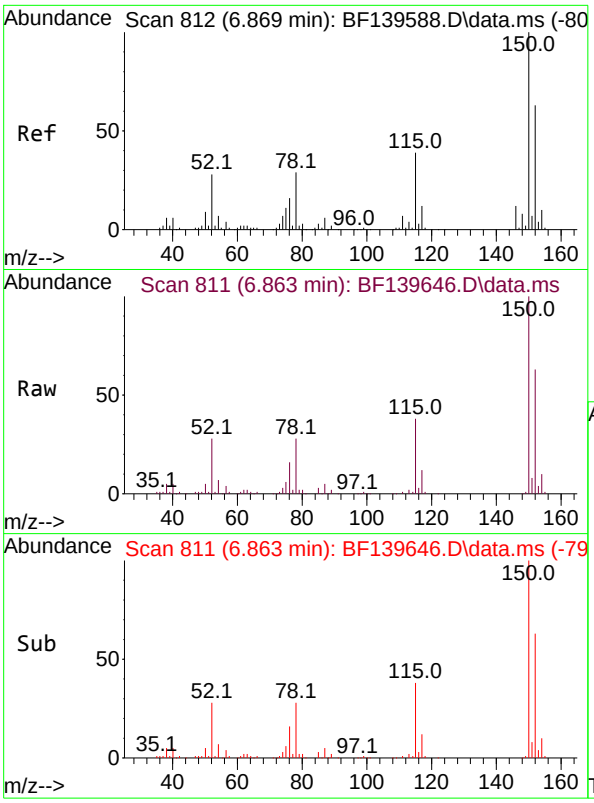
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100424\
Data File : BF139646.D
Acq On : 04 Oct 2024 09:56
Operator : RC/JU
Sample : PB163851TB
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB163851TB

Quant Time: Oct 04 11:11:12 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 02 04:58:47 2024
Response via : Initial Calibration



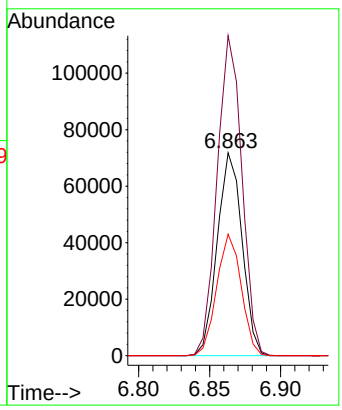
Instrument :
BNA_F
ClientSampleId :
PB163851TB

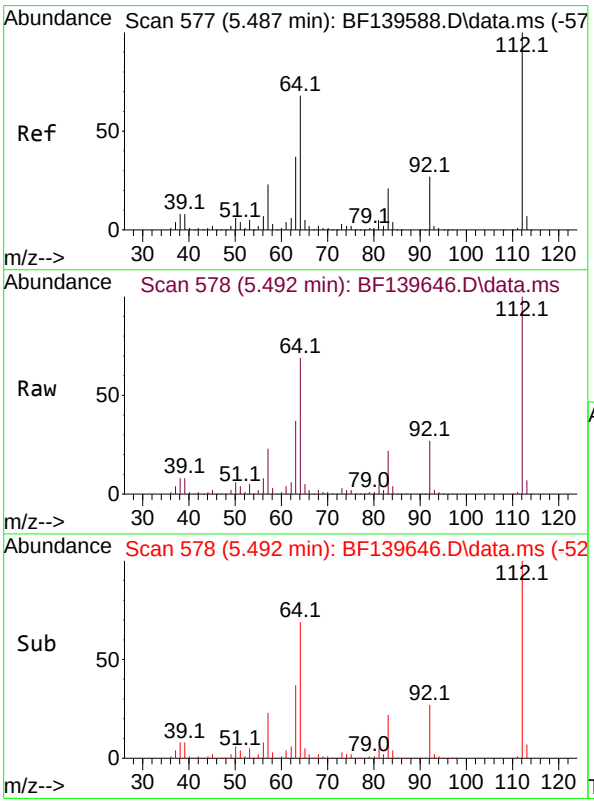


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF139646.D
Acq: 04 Oct 2024 09:56

Tgt Ion:152 Resp: 87365

Ion	Ratio	Lower	Upper
152	100		
150	157.8	127.2	190.8
115	59.8	49.0	73.4

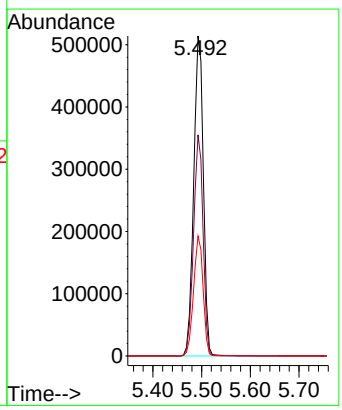




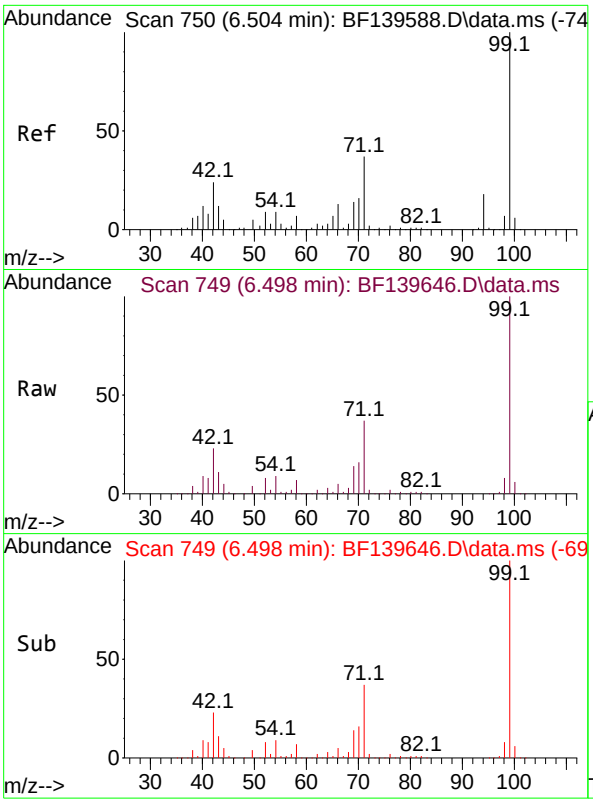
#5
2-Fluorophenol
Concen: 140.822 ng
RT: 5.492 min Scan# 578
Delta R.T. 0.005 min
Lab File: BF139646.D
Acq: 04 Oct 2024 09:56

Tgt Ion:112 Resp: 709819

Ion	Ratio	Lower	Upper
112	100		
64	69.1	54.2	81.4
63	37.5	29.4	44.2



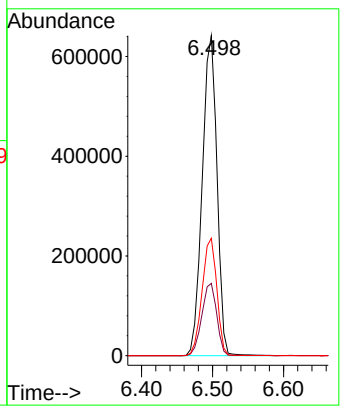
Instrument :
BNA_F
ClientSampleId :
PB163851TB

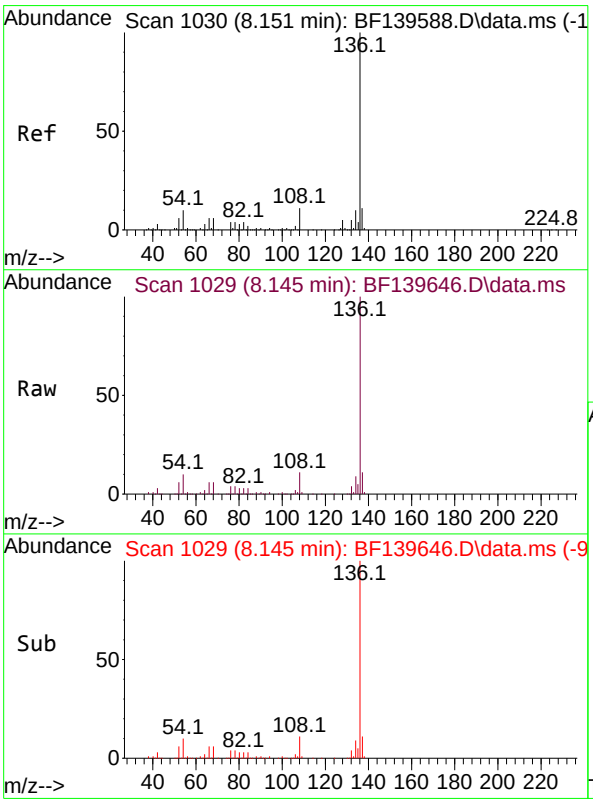


#7
Phenol-d6
Concen: 137.043 ng
RT: 6.498 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF139646.D
Acq: 04 Oct 2024 09:56

Tgt Ion: 99 Resp: 928942

Ion	Ratio	Lower	Upper
99	100		
42	22.6	19.1	28.7
71	36.7	29.7	44.5

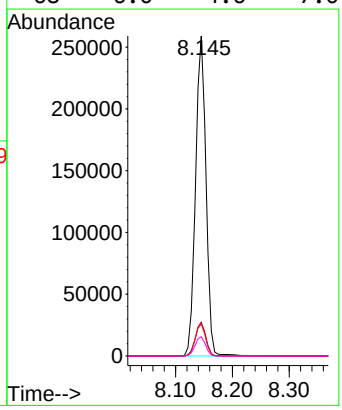


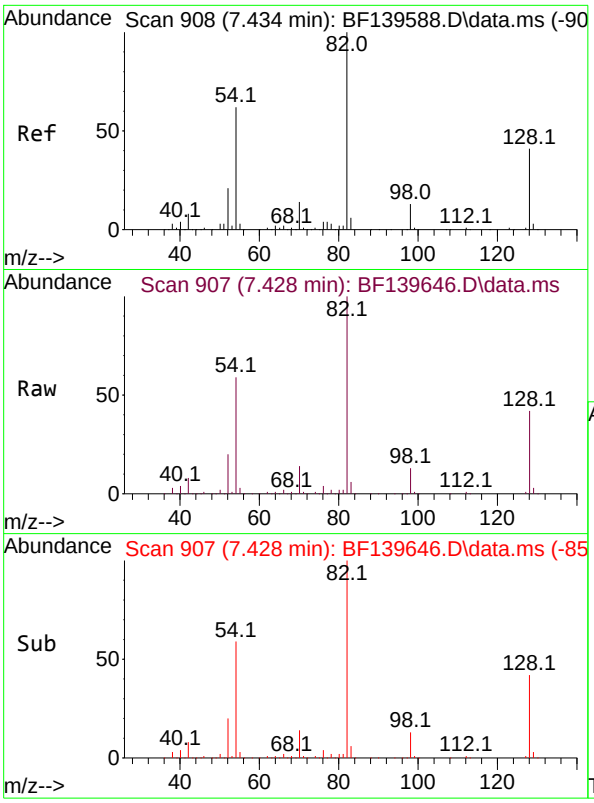


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF139646.D
Acq: 04 Oct 2024 09:56

Tgt Ion:136 Resp: 332749

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.6	13.0
54	10.0	8.3	12.5
68	6.0	4.6	7.0



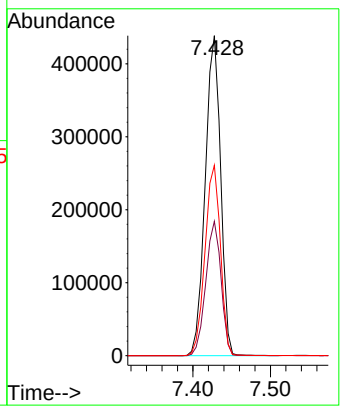


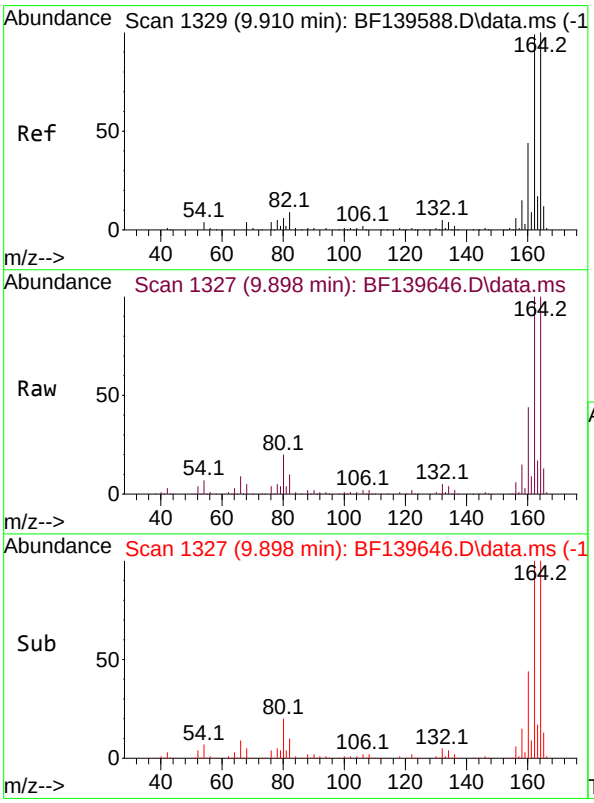
#23
Nitrobenzene-d5
Concen: 92.138 ng
RT: 7.428 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF139646.D
Acq: 04 Oct 2024 09:56

Instrument :
BNA_F
ClientSampleId :
PB163851TB

Tgt Ion: 82 Resp: 605545

Ion	Ratio	Lower	Upper
82	100		
128	42.0	32.4	48.6
54	59.5	49.1	73.7

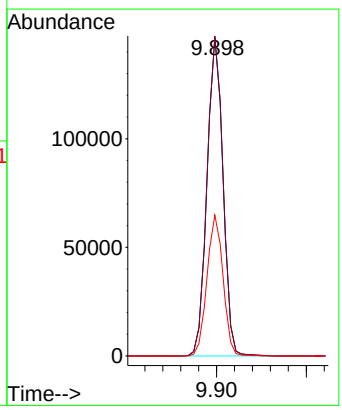


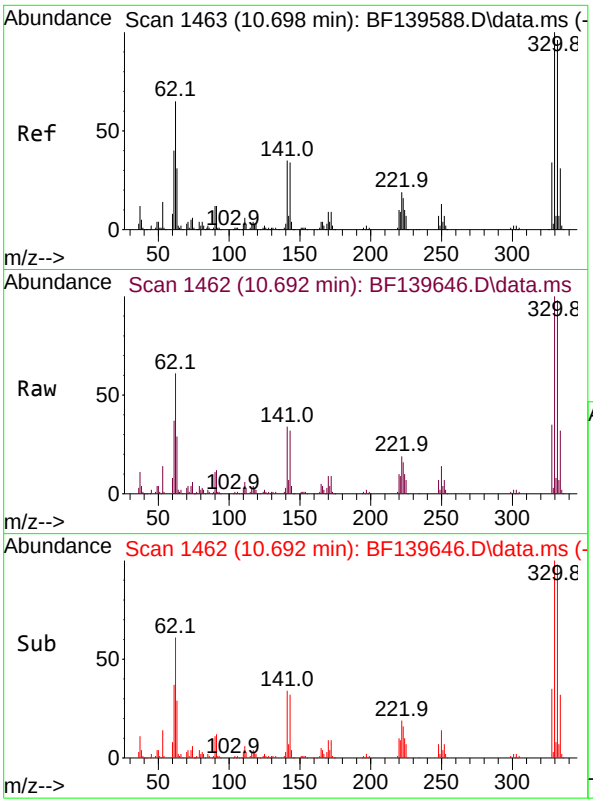


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.012 min
Lab File: BF139646.D
Acq: 04 Oct 2024 09:56

Tgt Ion:164 Resp: 181182

Ion	Ratio	Lower	Upper
164	100		
162	100.5	79.4	119.0
160	44.2	35.1	52.7



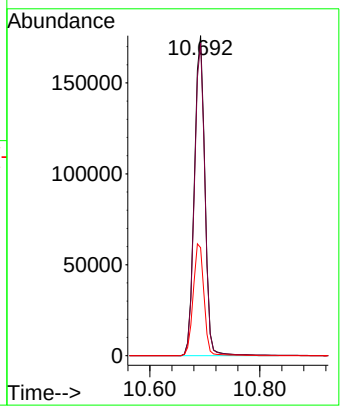


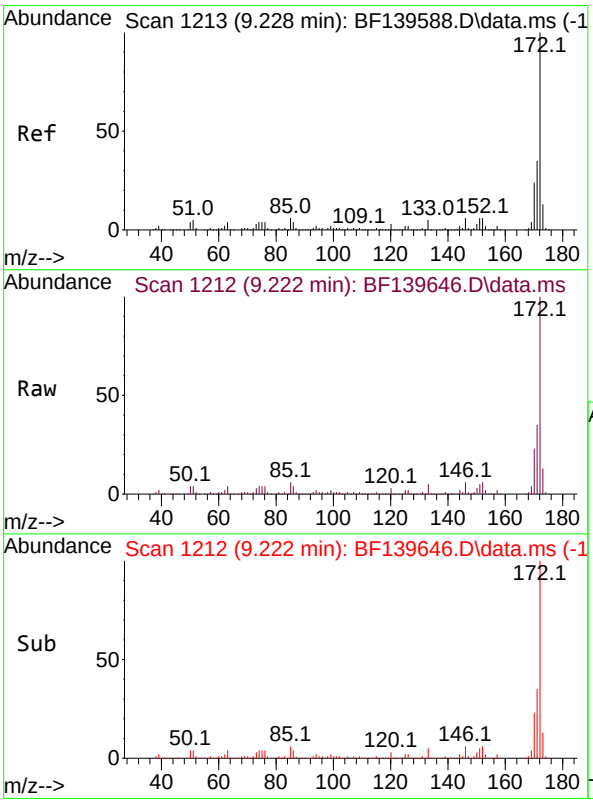
#42
2,4,6-Tribromophenol
Concen: 133.831 ng
RT: 10.692 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF139646.D
Acq: 04 Oct 2024 09:56

Instrument :
BNA_F
ClientSampleId :
PB163851TB

Tgt Ion:330 Resp: 234072

Ion	Ratio	Lower	Upper
330	100		
332	97.6	76.5	114.7
141	35.9	29.3	43.9

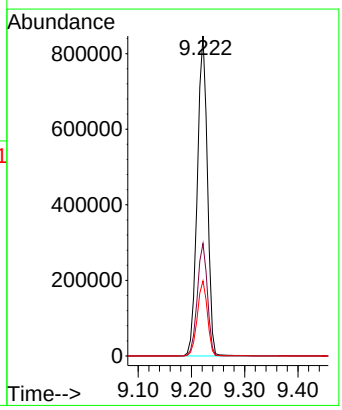




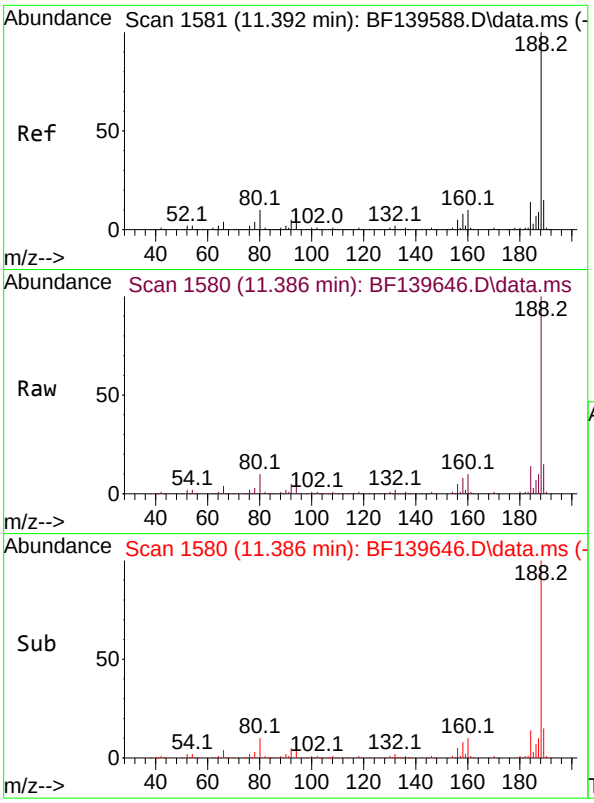
#45
2-Fluorobiphenyl
Concen: 94.829 ng
RT: 9.222 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF139646.D
Acq: 04 Oct 2024 09:56

Tgt Ion:172 Resp: 1119166

Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.2	42.4
170	23.4	18.8	28.2



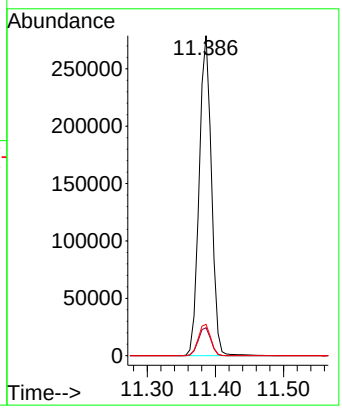
Instrument :
BNA_F
ClientSampleId :
PB163851TB

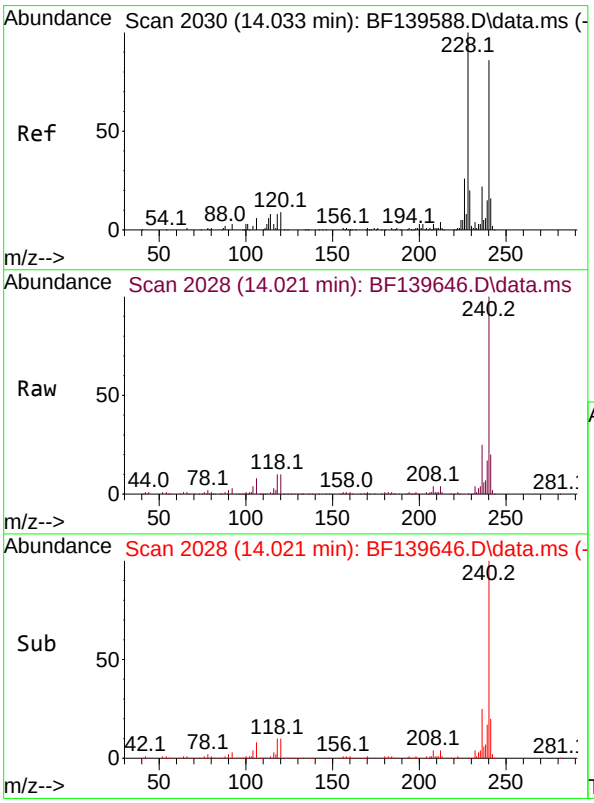


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.386 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139646.D
Acq: 04 Oct 2024 09:56

Tgt Ion:188 Resp: 349179

Ion	Ratio	Lower	Upper
188	100		
94	8.8	7.4	11.2
80	9.8	8.2	12.2

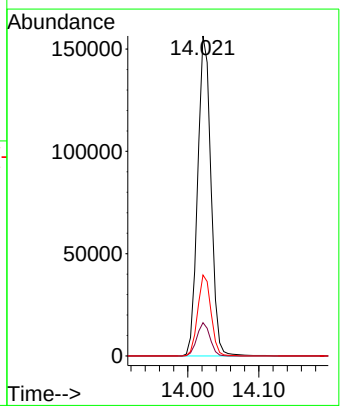


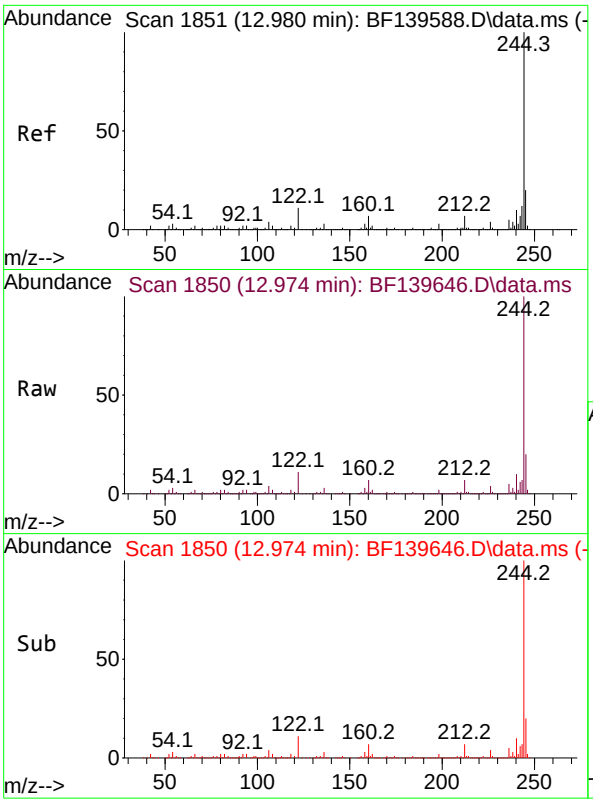


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.021 min Scan# 2028
Delta R.T. -0.012 min
Lab File: BF139646.D
Acq: 04 Oct 2024 09:56

Tgt Ion:240 Resp: 203841

Ion	Ratio	Lower	Upper
240	100		
120	10.4	8.4	12.6
236	25.3	20.3	30.5



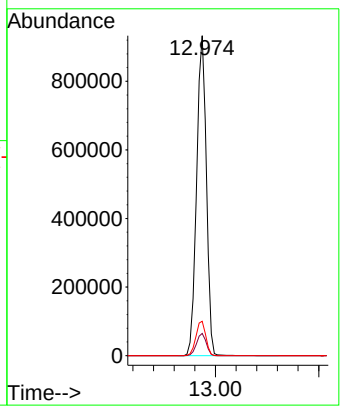


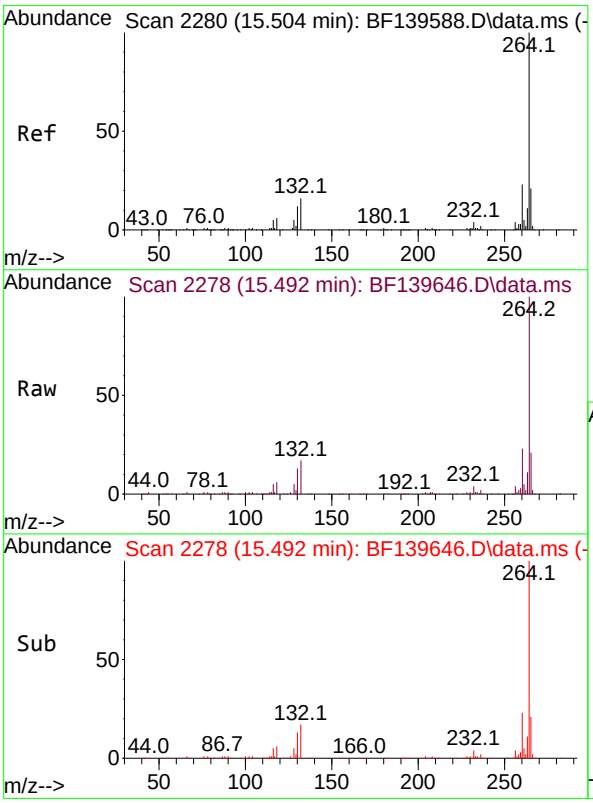
#79
Terphenyl-d14
Concen: 98.331 ng
RT: 12.974 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139646.D
Acq: 04 Oct 2024 09:56

Instrument :
BNA_F
ClientSampleId :
PB163851TB

Tgt Ion:244 Resp: 1221569

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.8	8.6
122	10.8	8.6	12.8

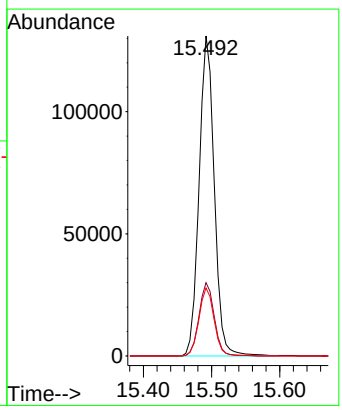




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.492 min Scan# 2278
Delta R.T. -0.012 min
Lab File: BF139646.D
Acq: 04 Oct 2024 09:56

Tgt Ion:264 Resp: 202861

Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.7	28.1
265	21.3	16.9	25.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100424\
Data File : BF139645.D
Acq On : 04 Oct 2024 09:29
Operator : RC/JU
Sample : PB163883BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB163883BL

Quant Time: Oct 04 11:11:02 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 02 04:58:47 2024
Response via : Initial Calibration

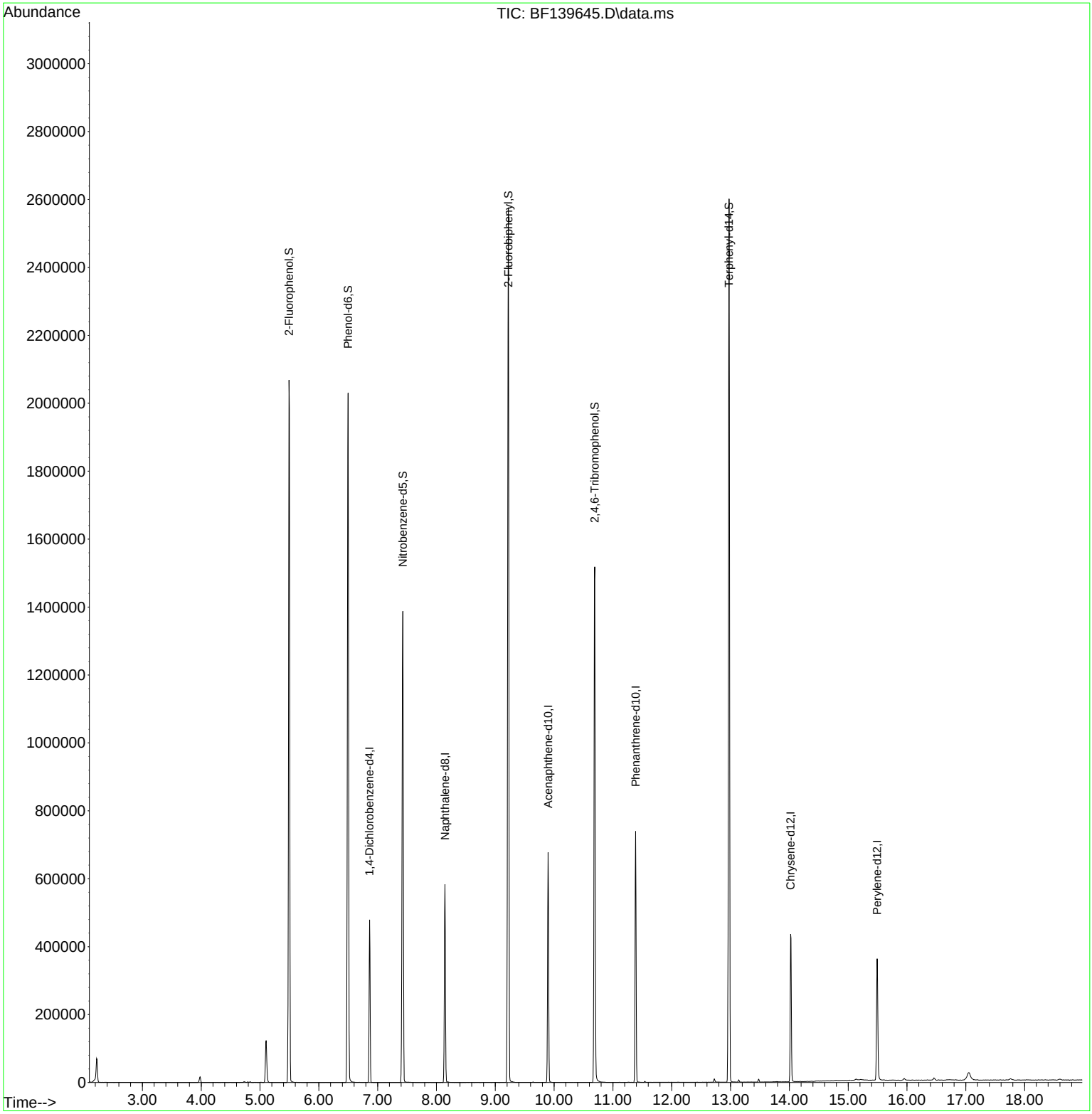
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	93658	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	358600	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	200684	20.000	ng	-0.01
64) Phenanthrene-d10	11.386	188	382052	20.000	ng	0.00
76) Chrysene-d12	14.021	240	212702	20.000	ng	-0.01
86) Perylene-d12	15.492	264	210145	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	737657	136.512	ng	0.00
7) Phenol-d6	6.498	99	973398	133.953	ng	0.00
23) Nitrobenzene-d5	7.428	82	639567	90.300	ng	0.00
42) 2,4,6-Tribromophenol	10.692	330	251010	129.568	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	1178897	90.183	ng	0.00
79) Terphenyl-d14	12.974	244	1285285	99.150	ng	0.00
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

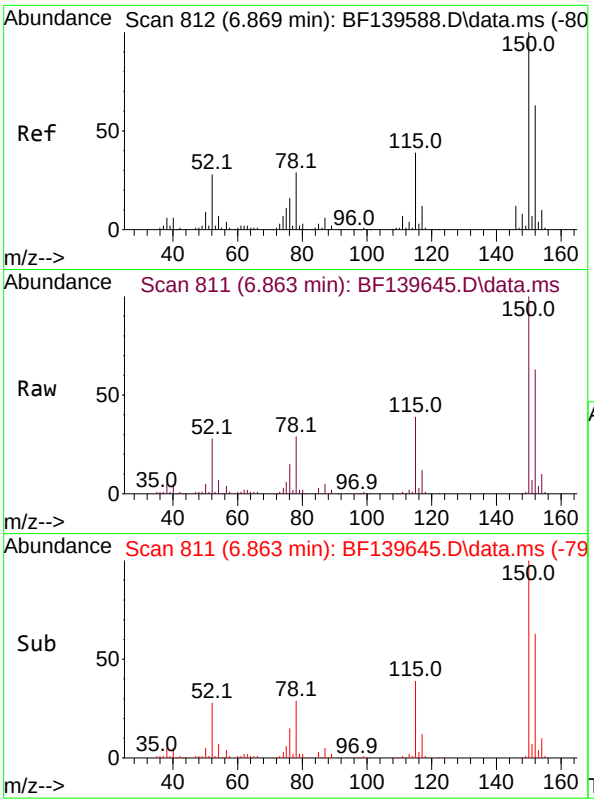
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100424\
Data File : BF139645.D
Acq On : 04 Oct 2024 09:29
Operator : RC/JU
Sample : PB163883BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB163883BL

Quant Time: Oct 04 11:11:02 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 02 04:58:47 2024
Response via : Initial Calibration



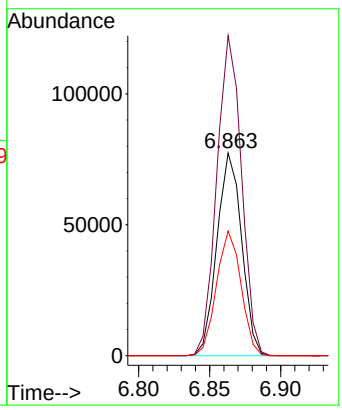
Instrument :
BNA_F
ClientSampleId :
PB163883BL

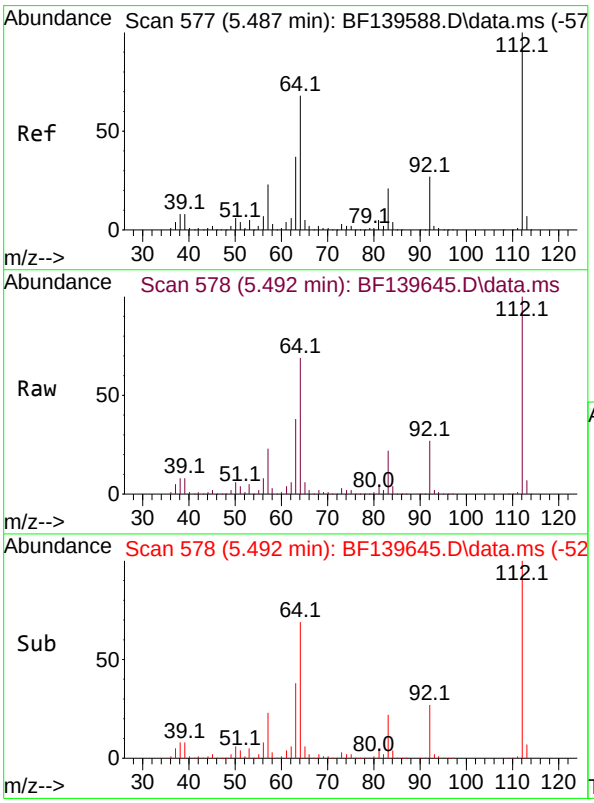


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF139645.D
Acq: 04 Oct 2024 09:29

Tgt Ion:152 Resp: 93658

Ion	Ratio	Lower	Upper
152	100		
150	157.9	127.2	190.8
115	61.5	49.0	73.4

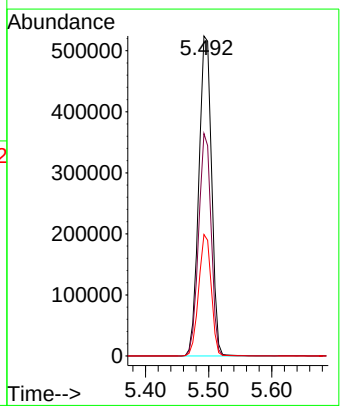




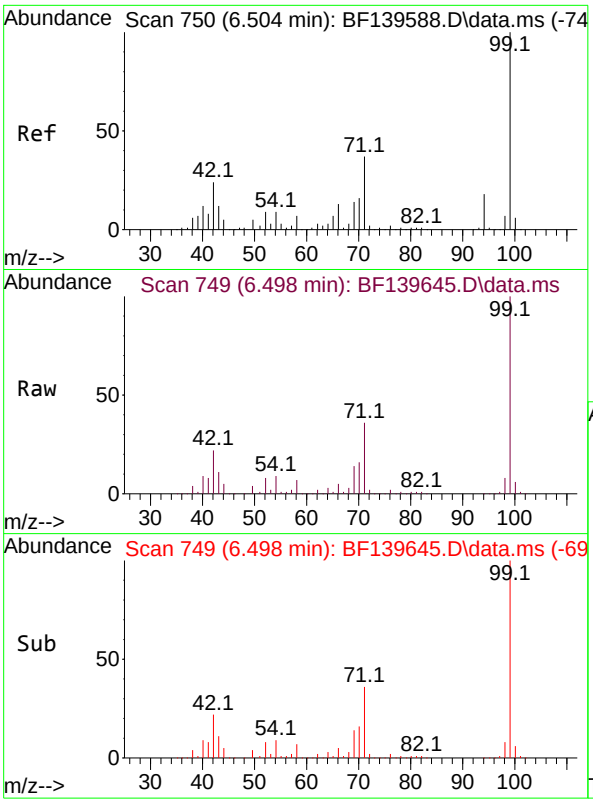
#5
2-Fluorophenol
Concen: 136.512 ng
RT: 5.492 min Scan# 578
Delta R.T. 0.005 min
Lab File: BF139645.D
Acq: 04 Oct 2024 09:29

Tgt Ion:112 Resp: 737657

Ion	Ratio	Lower	Upper
112	100		
64	69.5	54.2	81.4
63	38.0	29.4	44.2



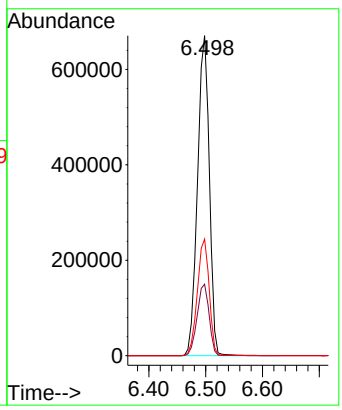
Instrument :
BNA_F
ClientSampleId :
PB163883BL

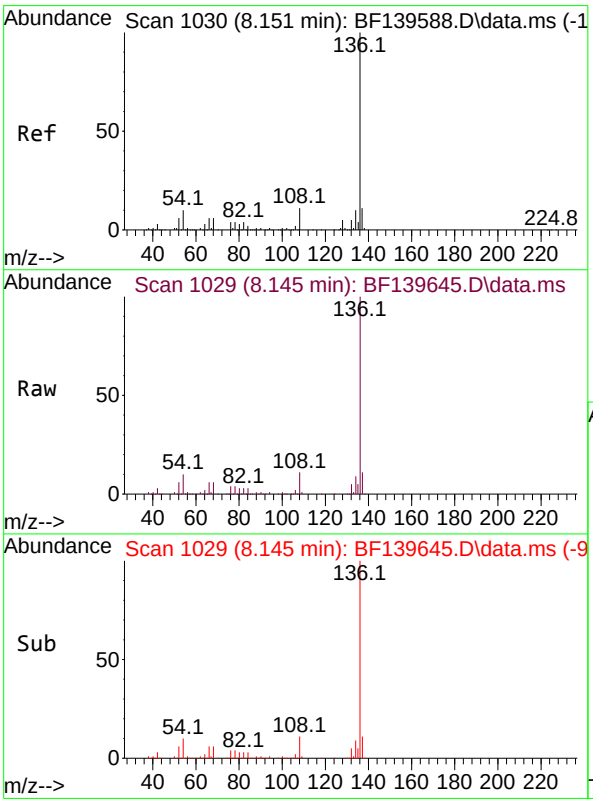


#7
Phenol-d6
Concen: 133.953 ng
RT: 6.498 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF139645.D
Acq: 04 Oct 2024 09:29

Tgt Ion: 99 Resp: 973398

Ion	Ratio	Lower	Upper
99	100		
42	22.4	19.1	28.7
71	36.4	29.7	44.5

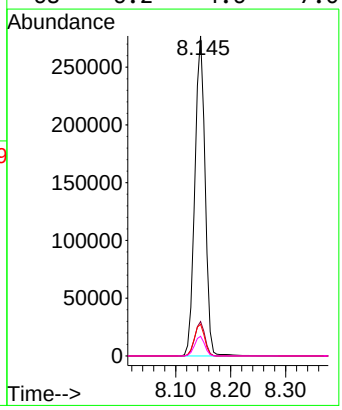


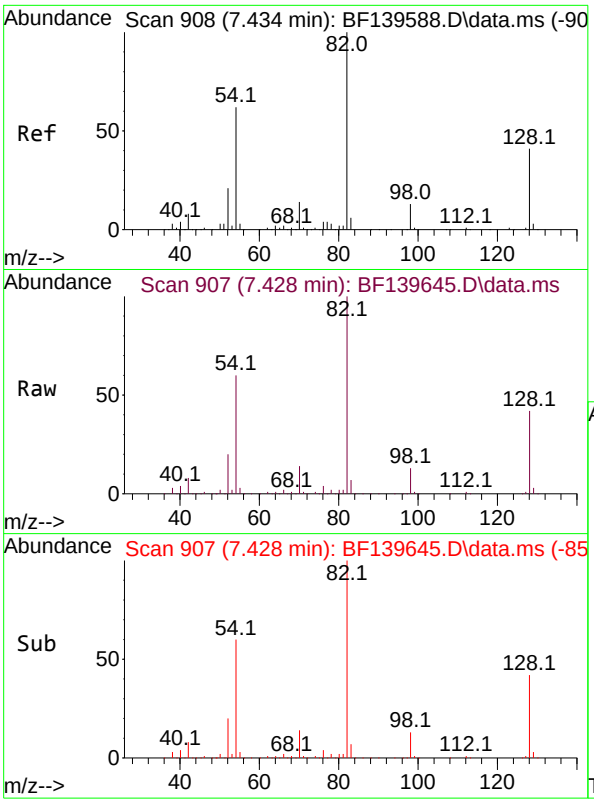


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF139645.D
Acq: 04 Oct 2024 09:29

Tgt Ion:136 Resp: 358600

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	9.9	8.3	12.5
68	6.2	4.6	7.0



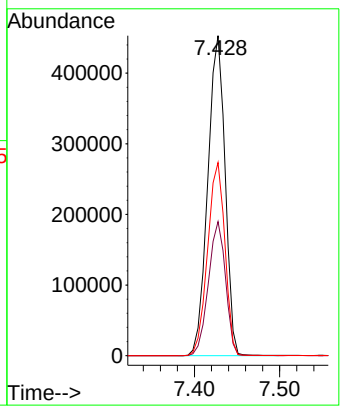


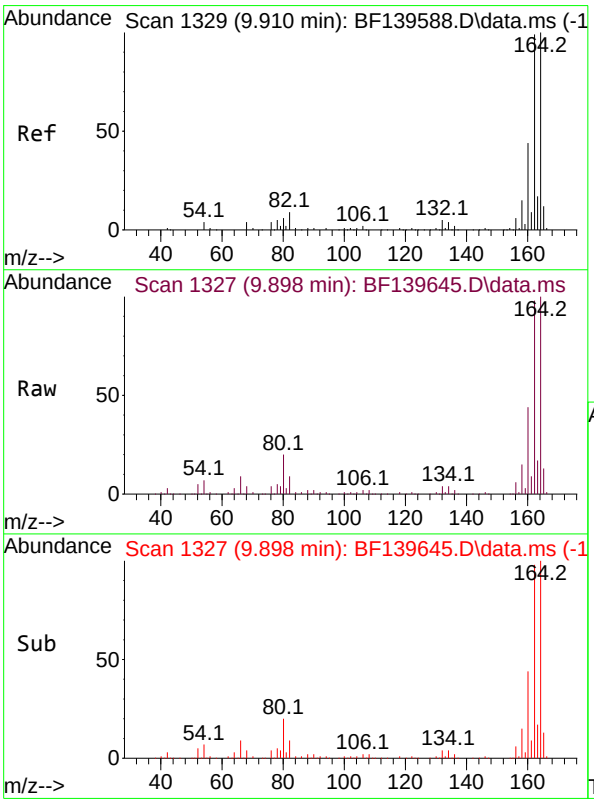
#23
Nitrobenzene-d5
Concen: 90.300 ng
RT: 7.428 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF139645.D
Acq: 04 Oct 2024 09:29

Instrument :
BNA_F
ClientSampleId :
PB163883BL

Tgt Ion: 82 Resp: 639567

Ion	Ratio	Lower	Upper
82	100		
128	41.9	32.4	48.6
54	60.3	49.1	73.7

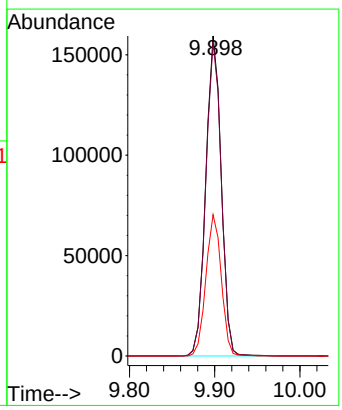


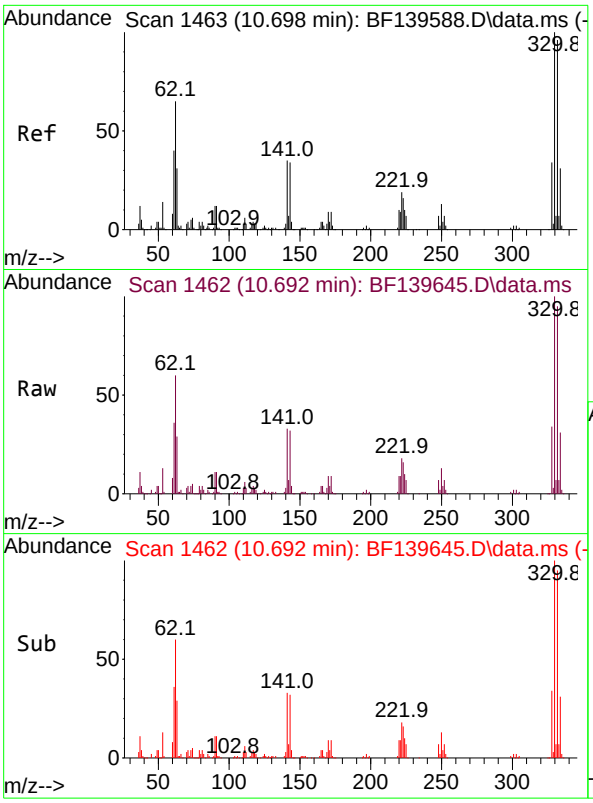


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.012 min
Lab File: BF139645.D
Acq: 04 Oct 2024 09:29

Tgt Ion:164 Resp: 200684

Ion	Ratio	Lower	Upper
164	100		
162	98.1	79.4	119.0
160	44.1	35.1	52.7



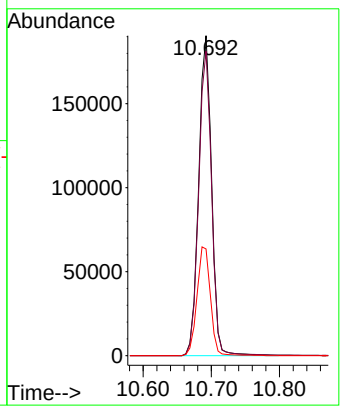


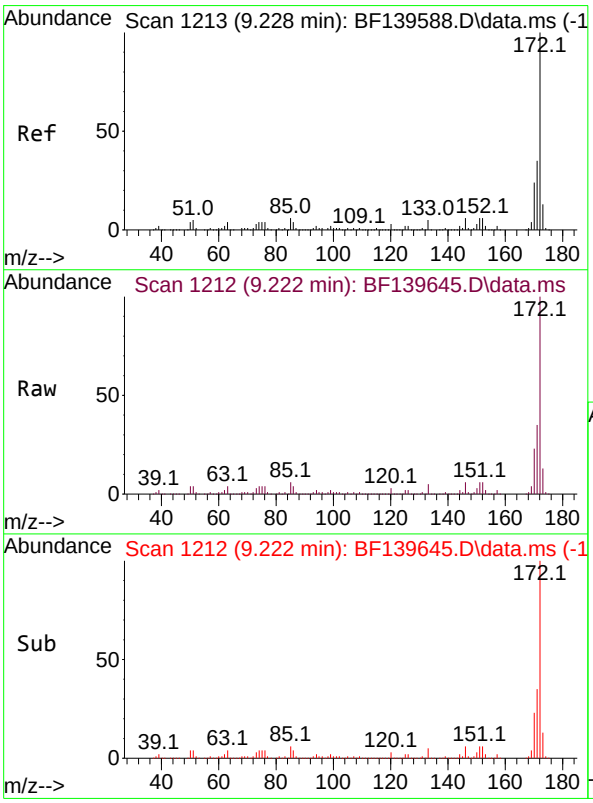
#42
2,4,6-Tribromophenol
Concen: 129.568 ng
RT: 10.692 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF139645.D
Acq: 04 Oct 2024 09:29

Instrument :
BNA_F
ClientSampleId :
PB163883BL

Tgt Ion:330 Resp: 251010

Ion	Ratio	Lower	Upper
330	100		
332	95.4	76.5	114.7
141	35.4	29.3	43.9

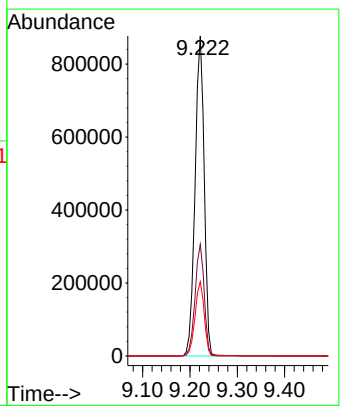




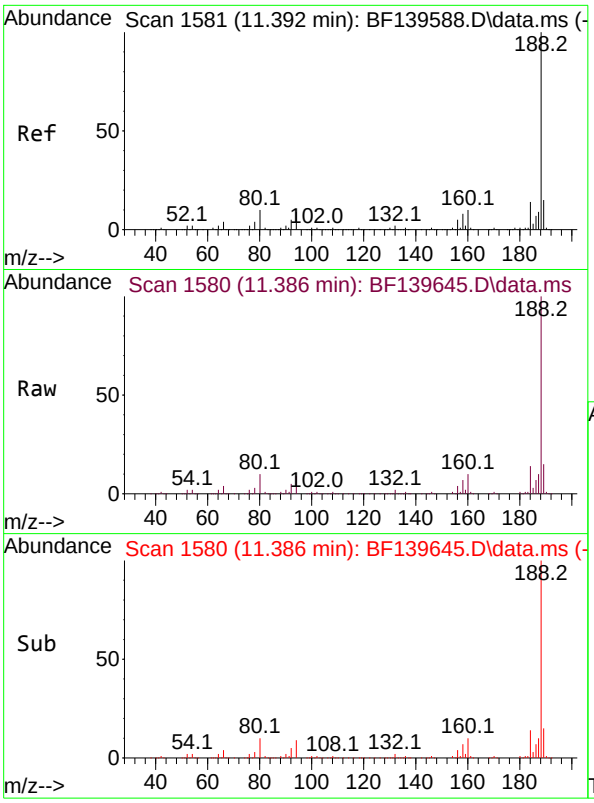
#45
2-Fluorobiphenyl
Concen: 90.183 ng
RT: 9.222 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF139645.D
Acq: 04 Oct 2024 09:29

Tgt Ion:172 Resp: 1178897

Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.2	42.4
170	23.2	18.8	28.2



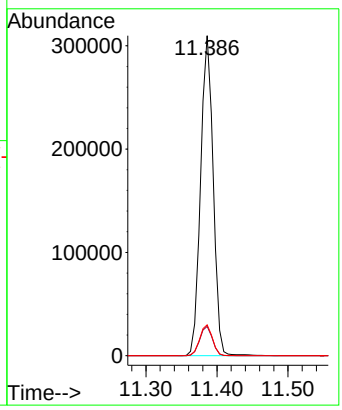
Instrument :
BNA_F
ClientSampleId :
PB163883BL

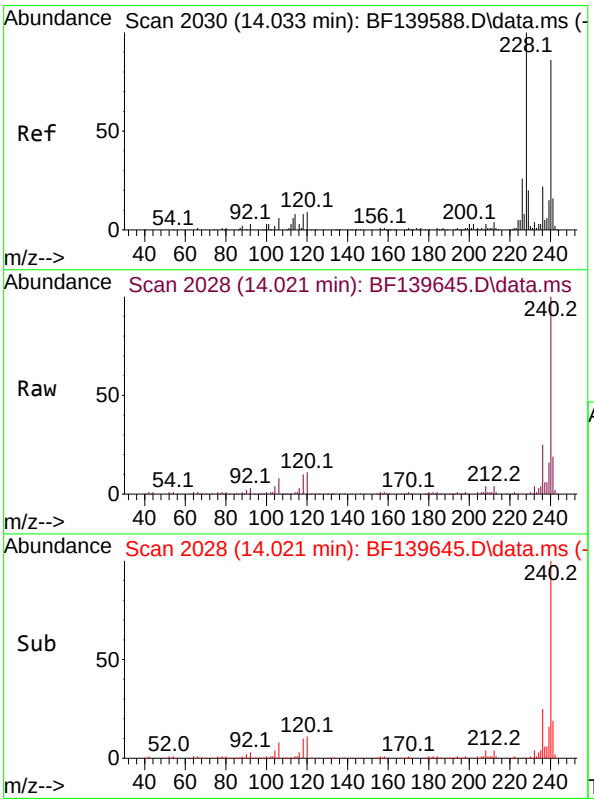


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.386 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139645.D
Acq: 04 Oct 2024 09:29

Tgt Ion:188 Resp: 382052

Ion	Ratio	Lower	Upper
188	100		
94	9.1	7.4	11.2
80	9.6	8.2	12.2

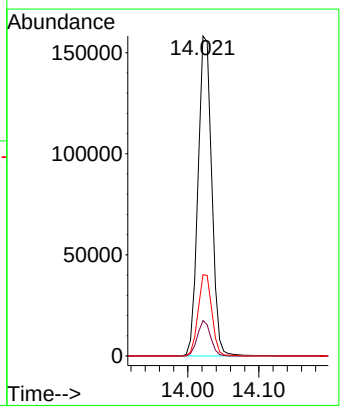


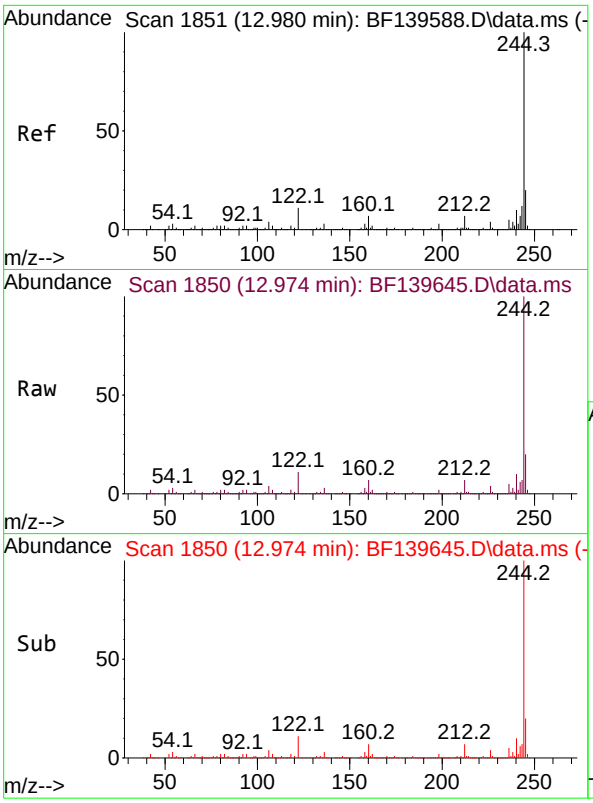


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.021 min Scan# 2028
Delta R.T. -0.012 min
Lab File: BF139645.D
Acq: 04 Oct 2024 09:29

Tgt Ion:240 Resp: 212702

Ion	Ratio	Lower	Upper
240	100		
120	11.0	8.4	12.6
236	25.4	20.3	30.5



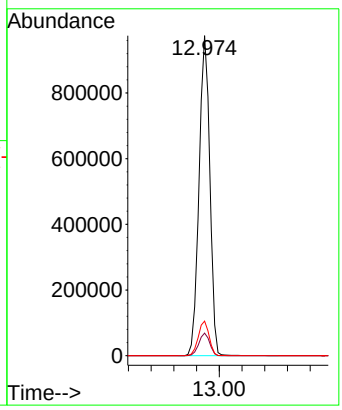


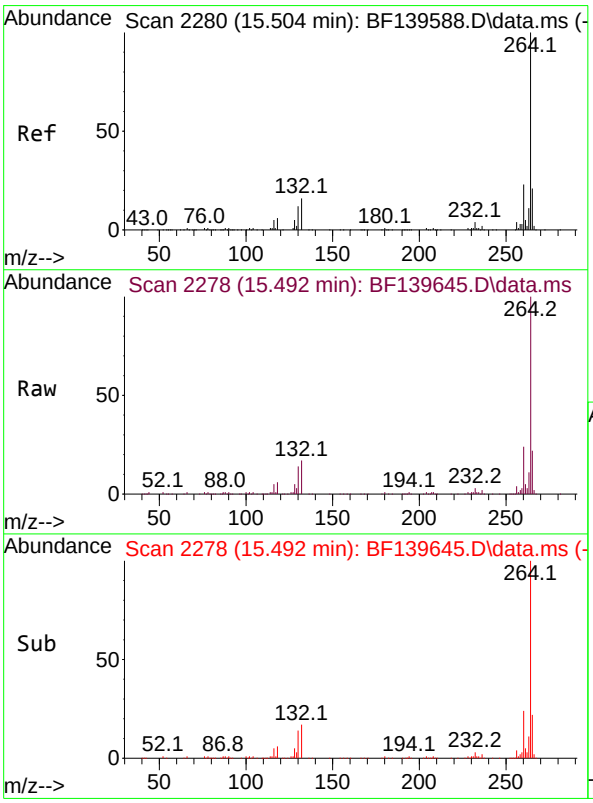
#79
Terphenyl-d14
Concen: 99.150 ng
RT: 12.974 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139645.D
Acq: 04 Oct 2024 09:29

Instrument :
BNA_F
ClientSampleId :
PB163883BL

Tgt Ion:244 Resp: 1285285

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.6
122	10.8	8.6	12.8

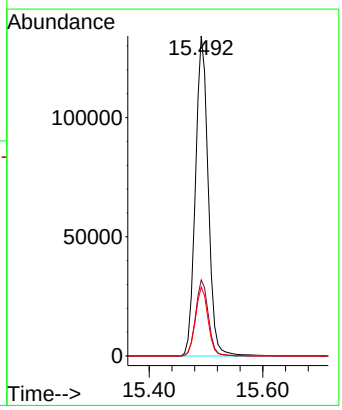




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.492 min Scan# 2278
Delta R.T. -0.012 min
Lab File: BF139645.D
Acq: 04 Oct 2024 09:29

Tgt Ion:264 Resp: 210145

Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.7	28.1
265	21.5	16.9	25.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100424\
Data File : BF139647.D
Acq On : 04 Oct 2024 10:24
Operator : RC/JU
Sample : PB163883BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 04 11:11:21 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 02 04:58:47 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB163883BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/05/2024
Supervised By :mohammad ahmed 10/07/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	93801	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	355027	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	196147	20.000	ng	0.00
64) Phenanthrene-d10	11.386	188	367991	20.000	ng	0.00
76) Chrysene-d12	14.027	240	195485	20.000	ng	0.00
86) Perylene-d12	15.492	264	202104	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	739658	136.673	ng	0.01
7) Phenol-d6	6.504	99	974483	133.898	ng	0.00
23) Nitrobenzene-d5	7.434	82	637473	90.910	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	255841	135.117	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	1154929	90.393	ng	0.00
79) Terphenyl-d14	12.974	244	1174711	98.601	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.734	88	99104	42.356	ng	99
3) Pyridine	3.475	79	264987	46.567	ng	97
4) n-Nitrosodimethylamine	3.440	42	178398	47.895	ng	95
6) Aniline	6.528	93	344284	53.310	ng	90
8) 2-Chlorophenol	6.651	128	287913	49.656	ng	99
9) Benzaldehyde	6.416	77	105150	27.275	ng	100
10) Phenol	6.516	94	377287	49.302	ng	92
11) bis(2-Chloroethyl)ether	6.604	93	281272	45.142	ng	100
12) 1,3-Dichlorobenzene	6.804	146	296780	45.499	ng	99
13) 1,4-Dichlorobenzene	6.881	146	301575	45.650	ng	99
14) 1,2-Dichlorobenzene	7.034	146	287676	46.463	ng	99
15) Benzyl Alcohol	7.010	79	271615	48.845	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.139	45	516781	47.909	ng	97
17) 2-Methylphenol	7.122	107	231394	47.804	ng	99
18) Hexachloroethane	7.375	117	114077	46.296	ng	97
19) n-Nitroso-di-n-propyla...	7.281	70	215070	45.965	ng	98
20) 3+4-Methylphenols	7.275	107	289510	47.618	ng	96
22) Acetophenone	7.275	105	391889	46.503	ng	99
24) Nitrobenzene	7.451	77	329764	45.415	ng	100
25) Isophorone	7.686	82	586027	47.054	ng	99
26) 2-Nitrophenol	7.763	139	153632	49.217	ng	99
27) 2,4-Dimethylphenol	7.804	122	220304m	57.651	ng	
28) bis(2-Chloroethoxy)met...	7.898	93	345313	46.432	ng	100
29) 2,4-Dichlorophenol	8.010	162	237672	47.683	ng	98
30) 1,2,4-Trichlorobenzene	8.086	180	253254	44.928	ng	100
31) Naphthalene	8.169	128	847269	46.676	ng	100
32) Benzoic acid	7.934	122	170532	44.879	ng	100
33) 4-Chloroaniline	8.216	127	225508	36.702	ng	100
34) Hexachlorobutadiene	8.281	225	164497	45.095	ng	99
35) Caprolactam	8.592	113	78369m	47.937	ng	
36) 4-Chloro-3-methylphenol	8.704	107	267570	47.422	ng	99
37) 2-Methylnaphthalene	8.863	142	547317	46.295	ng	99
38) 1-Methylnaphthalene	8.957	142	508147	43.973	ng	99
40) 1,2,4,5-Tetrachloroben...	9.028	216	254692	46.761	ng	99
41) Hexachlorocyclopentadiene	9.010	237	289004	173.045	ng	98
43) 2,4,6-Trichlorophenol	9.139	196	177064	48.223	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100424\
Data File : BF139647.D
Acq On : 04 Oct 2024 10:24
Operator : RC/JU
Sample : PB163883BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 04 11:11:21 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 02 04:58:47 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB163883BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/05/2024
Supervised By :mohammad ahmed 10/07/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.181	196	182426	46.070	ng	98
46) 1,1'-Biphenyl	9.328	154	677435	46.435	ng	99
47) 2-Chloronaphthalene	9.351	162	513142	46.919	ng	98
48) 2-Nitroaniline	9.445	65	195912	49.901	ng	98
49) Acenaphthylene	9.769	152	839921	50.499	ng	100
50) Dimethylphthalate	9.628	163	627630	48.881	ng	99
51) 2,6-Dinitrotoluene	9.692	165	135833	46.831	ng	94
52) Acenaphthene	9.939	154	596786m	52.266	ng	
53) 3-Nitroaniline	9.857	138	115506	38.969	ng	99
54) 2,4-Dinitrophenol	9.969	184	150207	96.282	ng	99
55) Dibenzofuran	10.110	168	765149	47.861	ng	99
56) 4-Nitrophenol	10.028	139	218261	96.561	ng	97
57) 2,4-Dinitrotoluene	10.092	165	184467	48.656	ng	98
58) Fluorene	10.451	166	602449	47.313	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.228	232	160664	50.236	ng	99
60) Diethylphthalate	10.328	149	632997	47.729	ng	100
61) 4-Chlorophenyl-phenyle...	10.445	204	292181	45.866	ng	98
62) 4-Nitroaniline	10.475	138	145193	47.889	ng	98
63) Azobenzene	10.604	77	633031	47.463	ng	100
65) 4,6-Dinitro-2-methylph...	10.504	198	100557	48.383	ng	96
66) n-Nitrosodiphenylamine	10.563	169	531590	49.008	ng	99
67) 4-Bromophenyl-phenylether	10.933	248	177201	46.965	ng	99
68) Hexachlorobenzene	10.998	284	197543	47.183	ng	99
69) Atrazine	11.092	200	177009	60.822	ng	100
70) Pentachlorophenol	11.198	266	217355	87.187	ng	98
71) Phenanthrene	11.416	178	849333	48.950	ng	100
72) Anthracene	11.469	178	858179	49.995	ng	100
73) Carbazole	11.622	167	787852	47.787	ng	100
74) Di-n-butylphthalate	11.945	149	964628	48.115	ng	100
75) Fluoranthene	12.604	202	862506	45.473	ng	99
77) Benzidine	12.727	184	434924	126.134	ng	100
78) Pyrene	12.833	202	866218	49.543	ng	100
80) Butylbenzylphthalate	13.445	149	340151	54.390	ng	99
81) Benzo(a)anthracene	14.015	228	653162	50.820	ng	99
82) 3,3'-Dichlorobenzidine	13.980	252	170199	43.270	ng	98
83) Chrysene	14.057	228	562118	47.838	ng	99
84) Bis(2-ethylhexyl)phtha...	14.004	149	446904	57.228	ng	100
85) Di-n-octyl phthalate	14.615	149	675474	58.877	ng	100
87) Indeno(1,2,3-cd)pyrene	16.974	276	661995	55.651	ng	100
88) Benzo(b)fluoranthene	15.068	252	560498	42.892	ng	99
89) Benzo(k)fluoranthene	15.098	252	575745	51.939	ng	100
90) Benzo(a)pyrene	15.433	252	544126	52.808	ng	99
91) Dibenzo(a,h)anthracene	16.992	278	540374	54.770	ng	99
92) Benzo(g,h,i)perylene	17.415	276	494577	49.983	ng	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

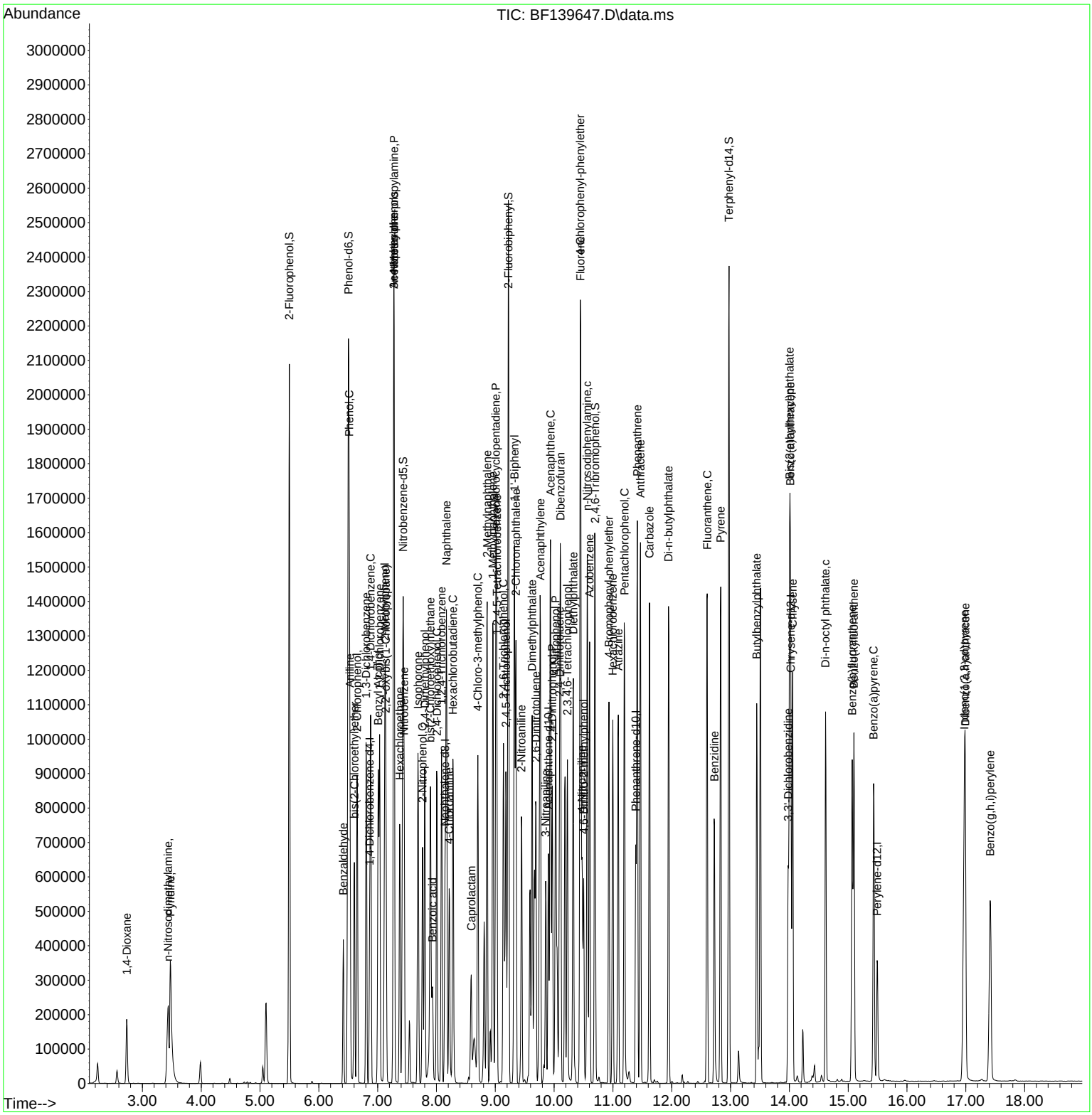
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100424\
Data File : BF139647.D
Acq On : 04 Oct 2024 10:24
Operator : RC/JU
Sample : PB163883BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 04 11:11:21 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 02 04:58:47 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB163883BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/05/2024
Supervised By :mohammad ahmed 10/07/2024



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100424\
Data File : BF139649.D
Acq On : 04 Oct 2024 11:19
Operator : RC/JU
Sample : P4242-04MS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 04 11:54:26 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 02 04:58:47 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
TP-QMS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/05/2024
Supervised By :mohammad ahmed 10/07/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	90984	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	349150	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	193785	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	357779	20.000	ng	0.00
76) Chrysene-d12	14.027	240	197147	20.000	ng	0.00
86) Perylene-d12	15.498	264	213541	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	706705	134.627	ng	0.02
7) Phenol-d6	6.504	99	883029	125.088	ng	0.00
23) Nitrobenzene-d5	7.434	82	650707	94.359	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	254854	136.236	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	1170485	92.727	ng	0.00
79) Terphenyl-d14	12.974	244	1108815	92.285	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.834	88	106275	46.827	ng	# 80
3) Pyridine	3.534	79	230897	41.832	ng	98
4) n-Nitrosodimethylamine	3.475	42	177095	49.017	ng	94
6) Aniline	6.534	93	147115	23.485	ng	# 88
8) 2-Chlorophenol	6.657	128	286859	51.006	ng	97
9) Benzaldehyde	6.422	77	43906	11.741	ng	99
10) Phenol	6.522	94	335523	45.202	ng	100
11) bis(2-Chloroethyl)ether	6.604	93	285310	47.208	ng	99
12) 1,3-Dichlorobenzene	6.810	146	291814	46.123	ng	99
13) 1,4-Dichlorobenzene	6.887	146	298677	46.611	ng	99
14) 1,2-Dichlorobenzene	7.034	146	286988	47.787	ng	98
15) Benzyl Alcohol	7.010	79	271332	50.305	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.140	45	510961	48.836	ng	91
17) 2-Methylphenol	7.122	107	229567	48.895	ng	99
18) Hexachloroethane	7.375	117	111000	46.441	ng	98
19) n-Nitroso-di-n-propyla...	7.281	70	219545	48.374	ng	99
20) 3+4-Methylphenols	7.275	107	284140	48.181	ng	97
22) Acetophenone	7.275	105	397258	47.933	ng	98
24) Nitrobenzene	7.451	77	328763	46.040	ng	100
25) Isophorone	7.687	82	596962	48.739	ng	100
26) 2-Nitrophenol	7.763	139	152349	49.628	ng	97
27) 2,4-Dimethylphenol	7.804	122	224046m	59.617	ng	
28) bis(2-Chloroethoxy)met...	7.898	93	352172	48.151	ng	99
29) 2,4-Dichlorophenol	8.010	162	242948	49.562	ng	98
30) 1,2,4-Trichlorobenzene	8.087	180	248756	44.873	ng	99
31) Naphthalene	8.169	128	849329	47.577	ng	100
32) Benzoic acid	7.934	122	177448	47.486	ng	99
33) 4-Chloroaniline	8.216	127	46777	7.741	ng	98
34) Hexachlorobutadiene	8.281	225	163202	45.493	ng	99
35) Caprolactam	8.592	113	70884m	44.088	ng	
36) 4-Chloro-3-methylphenol	8.710	107	265111	47.777	ng	99
37) 2-Methylnaphthalene	8.863	142	552982	47.562	ng	99
38) 1-Methylnaphthalene	8.957	142	513227	45.160	ng	100
40) 1,2,4,5-Tetrachloroben...	9.028	216	257656	47.881	ng	98
41) Hexachlorocyclopentadiene	9.010	237	292481	177.261	ng	100
43) 2,4,6-Trichlorophenol	9.139	196	181913	50.147	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100424\
Data File : BF139649.D
Acq On : 04 Oct 2024 11:19
Operator : RC/JU
Sample : P4242-04MS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 04 11:54:26 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 02 04:58:47 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
TP-QMS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/05/2024
Supervised By :mohammad ahmed 10/07/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.186	196	189923	48.548	ng	99
46) 1,1'-Biphenyl	9.328	154	696707	48.338	ng	100
47) 2-Chloronaphthalene	9.351	162	520390	48.161	ng	99
48) 2-Nitroaniline	9.445	65	195514	50.407	ng	98
49) Acenaphthylene	9.769	152	860296	52.354	ng	100
50) Dimethylphthalate	9.628	163	637211	50.232	ng	99
51) 2,6-Dinitrotoluene	9.692	165	139151	48.560	ng	94
52) Acenaphthene	9.939	154	623007m	55.228	ng	
53) 3-Nitroaniline	9.857	138	55105	18.818	ng	98
54) 2,4-Dinitrophenol	9.969	184	172113	111.669	ng	98
55) Dibenzofuran	10.110	168	775316	49.088	ng	99
56) 4-Nitrophenol	10.028	139	209469	93.801	ng	96
57) 2,4-Dinitrotoluene	10.098	165	187036	49.934	ng	96
58) Fluorene	10.451	166	611604	48.617	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.228	232	165780	52.467	ng	99
60) Diethylphthalate	10.328	149	638499	48.731	ng	100
61) 4-Chlorophenyl-phenyle...	10.445	204	297931	47.339	ng	97
62) 4-Nitroaniline	10.475	138	138193	46.136	ng	99
63) Azobenzene	10.604	77	646874	49.092	ng	99
65) 4,6-Dinitro-2-methylph...	10.504	198	107431	53.166	ng	97
66) n-Nitrosodiphenylamine	10.563	169	535543	50.782	ng	99
67) 4-Bromophenyl-phenylether	10.933	248	178195	48.577	ng	98
68) Hexachlorobenzene	10.998	284	195023	47.911	ng	99
69) Atrazine	11.092	200	159152	56.247	ng	100
70) Pentachlorophenol	11.198	266	248044	102.337	ng	98
71) Phenanthrene	11.416	178	856219	50.755	ng	100
72) Anthracene	11.469	178	874643	52.408	ng	100
73) Carbazole	11.622	167	797649	49.763	ng	99
74) Di-n-butylphthalate	11.945	149	979641	50.259	ng	100
75) Fluoranthene	12.604	202	873130	47.347	ng	99
77) Benzidine	12.722	184	49073	14.112	ng	99
78) Pyrene	12.833	202	875573	49.656	ng	99
80) Butylbenzylphthalate	13.445	149	351858	55.788	ng	100
81) Benzo(a)anthracene	14.016	228	679714	52.440	ng	100
82) 3,3'-Dichlorobenzidine	13.980	252	135040	34.042	ng	99
83) Chrysene	14.057	228	584797	49.349	ng	100
84) Bis(2-ethylhexyl)phtha...	14.004	149	469313	59.591	ng	100
85) Di-n-octyl phthalate	14.616	149	720218	62.248	ng	99
87) Indeno(1,2,3-cd)pyrene	16.974	276	697756	55.516	ng	99
88) Benzo(b)fluoranthene	15.068	252	678224	49.121	ng	99
89) Benzo(k)fluoranthene	15.098	252	533434	45.545	ng	99
90) Benzo(a)pyrene	15.439	252	582357	53.491	ng	100
91) Dibenzo(a,h)anthracene	16.992	278	569718	54.652	ng	99
92) Benzo(g,h,i)perylene	17.421	276	523132	50.038	ng	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

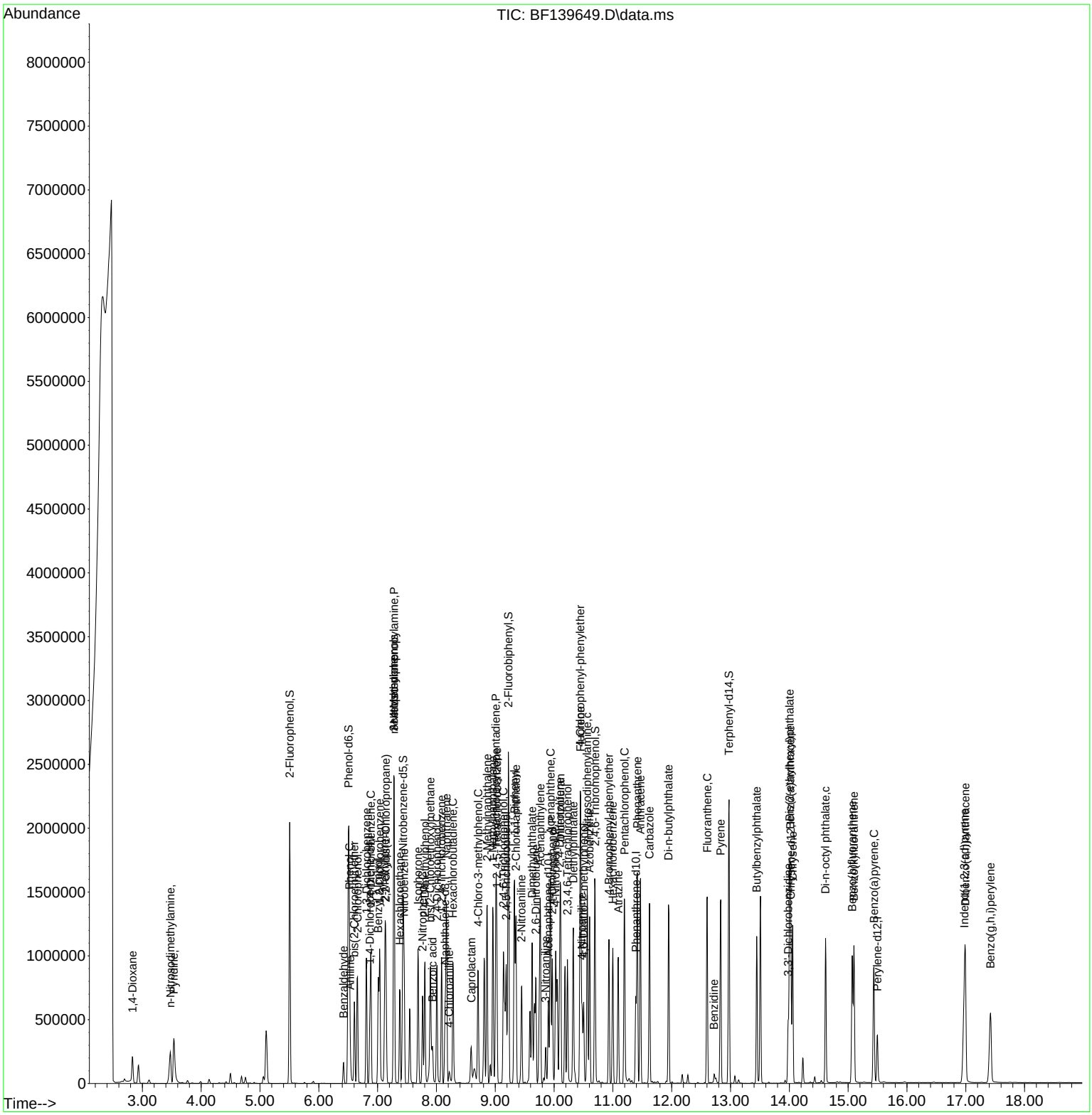
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100424\
Data File : BF139649.D
Acq On : 04 Oct 2024 11:19
Operator : RC/JU
Sample : P4242-04MS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 04 11:54:26 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 02 04:58:47 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
TP-QMS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/05/2024
Supervised By :mohammad ahmed 10/07/2024



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100424\
Data File : BF139650.D
Acq On : 04 Oct 2024 11:47
Operator : RC/JU
Sample : P4242-04MSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 04 12:22:46 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 02 04:58:47 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
TP-QMSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/07/2024
Supervised By :mohammad ahmed 10/07/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.869	152	95221	20.000	ng		0.00
21) Naphthalene-d8	8.151	136	355308	20.000	ng		0.00
39) Acenaphthene-d10	9.904	164	201553	20.000	ng		0.00
64) Phenanthrene-d10	11.386	188	366474	20.000	ng		0.00
76) Chrysene-d12	14.027	240	196941	20.000	ng		0.00
86) Perylene-d12	15.498	264	212758	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.504	112	718615	130.805	ng		0.02
7) Phenol-d6	6.504	99	905488	122.562	ng		0.00
23) Nitrobenzene-d5	7.433	82	668512	95.261	ng		0.00
42) 2,4,6-Tribromophenol	10.698	330	261240	134.268	ng		0.00
45) 2-Fluorobiphenyl	9.222	172	1191480	90.752	ng		0.00
79) Terphenyl-d14	12.974	244	1110204	92.498	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.840	88	105828	44.555	ng	#	78
3) Pyridine	3.540	79	237065	41.039	ng		97
4) n-Nitrosodimethylamine	3.481	42	179623	47.504	ng		94
6) Aniline	6.534	93	150839	23.008	ng	#	85
8) 2-Chlorophenol	6.657	128	290990	49.438	ng		97
9) Benzaldehyde	6.422	77	45199	11.549	ng		98
10) Phenol	6.522	94	341118	43.911	ng		99
11) bis(2-Chloroethyl)ether	6.604	93	291246	46.045	ng		99
12) 1,3-Dichlorobenzene	6.810	146	293293	44.294	ng		99
13) 1,4-Dichlorobenzene	6.886	146	303091	45.195	ng		100
14) 1,2-Dichlorobenzene	7.033	146	289437	46.050	ng		99
15) Benzyl Alcohol	7.010	79	279193	49.459	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.139	45	524147	47.867	ng		90
17) 2-Methylphenol	7.122	107	237972	48.430	ng		99
18) Hexachloroethane	7.375	117	115216	46.060	ng		95
19) n-Nitroso-di-n-propyla...	7.281	70	224935	47.356	ng		99
20) 3+4-Methylphenols	7.275	107	291646	47.254	ng		97
22) Acetophenone	7.275	105	404695	47.984	ng		98
24) Nitrobenzene	7.451	77	338532	46.586	ng		100
25) Isophorone	7.686	82	612041	49.104	ng		99
26) 2-Nitrophenol	7.763	139	156000	49.936	ng		98
27) 2,4-Dimethylphenol	7.804	122	228712m	59.804	ng		
28) bis(2-Chloroethoxy)met...	7.898	93	359907	48.356	ng		99
29) 2,4-Dichlorophenol	8.010	162	250287	50.175	ng		99
30) 1,2,4-Trichlorobenzene	8.086	180	254477	45.110	ng		100
31) Naphthalene	8.169	128	860535	47.369	ng		100
32) Benzoic acid	7.933	122	180811	47.547	ng		99
33) 4-Chloroaniline	8.216	127	53016	8.622	ng		98
34) Hexachlorobutadiene	8.280	225	165686	45.385	ng		99
35) Caprolactam	8.592	113	72364m	44.229	ng		
36) 4-Chloro-3-methylphenol	8.710	107	273860	48.498	ng		99
37) 2-Methylnaphthalene	8.863	142	567455	47.961	ng		100
38) 1-Methylnaphthalene	8.963	142	525759	45.461	ng		100
40) 1,2,4,5-Tetrachloroben...	9.027	216	262879	46.969	ng		99
41) Hexachlorocyclopentadiene	9.010	237	298267	173.801	ng		99
43) 2,4,6-Trichlorophenol	9.139	196	183317	48.587	ng		98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100424\
Data File : BF139650.D
Acq On : 04 Oct 2024 11:47
Operator : RC/JU
Sample : P4242-04MSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-QMSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/07/2024
Supervised By :mohammad ahmed 10/07/2024

Quant Time: Oct 04 12:22:46 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 02 04:58:47 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.186	196	197240	48.475	ng	98
46) 1,1'-Biphenyl	9.327	154	705272	47.047	ng	99
47) 2-Chloronaphthalene	9.351	162	526350	46.836	ng	99
48) 2-Nitroaniline	9.445	65	200445	49.686	ng	98
49) Acenaphthylene	9.769	152	874273	51.154	ng	100
50) Dimethylphthalate	9.627	163	651283	49.363	ng	100
51) 2,6-Dinitrotoluene	9.692	165	140697	47.207	ng	95
52) Acenaphthene	9.939	154	631656m	53.836	ng	
53) 3-Nitroaniline	9.857	138	58728	19.282	ng	98
54) 2,4-Dinitrophenol	9.969	184	174641	108.942	ng	99
55) Dibenzofuran	10.110	168	794683	48.375	ng	100
56) 4-Nitrophenol	10.027	139	210435	90.601	ng	97
57) 2,4-Dinitrotoluene	10.098	165	189024	48.520	ng	96
58) Fluorene	10.451	166	618662	47.283	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.227	232	169658	51.625	ng	98
60) Diethylphthalate	10.327	149	650450	47.730	ng	100
61) 4-Chlorophenyl-phenyle...	10.445	204	301216	46.016	ng	98
62) 4-Nitroaniline	10.474	138	139434	44.756	ng	100
63) Azobenzene	10.604	77	653038	47.650	ng	100
65) 4,6-Dinitro-2-methylph...	10.504	198	110238	53.261	ng	97
66) n-Nitrosodiphenylamine	10.563	169	546503	50.591	ng	99
67) 4-Bromophenyl-phenylether	10.933	248	179963	47.895	ng	98
68) Hexachlorobenzene	10.998	284	198640	47.641	ng	99
69) Atrazine	11.092	200	161998	55.894	ng	99
70) Pentachlorophenol	11.198	266	249208	100.378	ng	99
71) Phenanthrene	11.416	178	868121	50.240	ng	100
72) Anthracene	11.468	178	878301	51.379	ng	100
73) Carbazole	11.621	167	800834	48.776	ng	100
74) Di-n-butylphthalate	11.951	149	993175	49.744	ng	100
75) Fluoranthene	12.604	202	868683	45.989	ng	99
77) Benzidine	12.721	184	50633	14.576	ng	98
78) Pyrene	12.833	202	870103	49.398	ng	100
80) Butylbenzylphthalate	13.445	149	347016	55.078	ng	100
81) Benzo(a)anthracene	14.015	228	658381	50.848	ng	100
82) 3,3'-Dichlorobenzidine	13.980	252	133930	33.798	ng	99
83) Chrysene	14.057	228	576168	48.672	ng	99
84) Bis(2-ethylhexyl)phtha...	14.004	149	457252	58.120	ng	100
85) Di-n-octyl phthalate	14.615	149	698502	60.434	ng	99
87) Indeno(1,2,3-cd)pyrene	16.974	276	687466	54.899	ng	100
88) Benzo(b)fluoranthene	15.068	252	654085	47.547	ng	98
89) Benzo(k)fluoranthene	15.098	252	516365	44.250	ng	99
90) Benzo(a)pyrene	15.439	252	568581	52.418	ng	100
91) Dibenzo(a,h)anthracene	16.992	278	559665	53.885	ng	99
92) Benzo(g,h,i)perylene	17.421	276	506063	48.583	ng	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

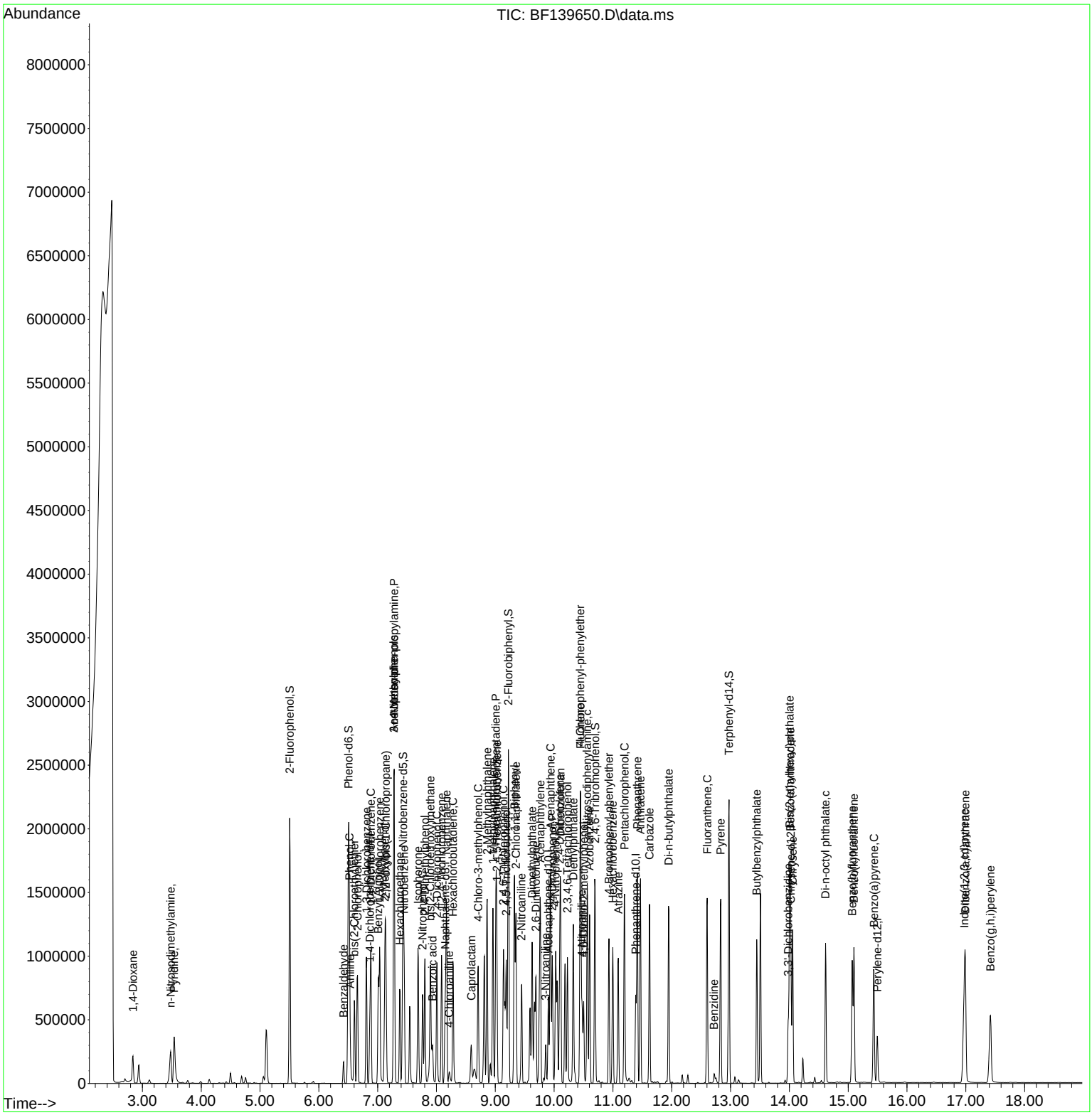
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100424\
Data File : BF139650.D
Acq On : 04 Oct 2024 11:47
Operator : RC/JU
Sample : P4242-04MSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 04 12:22:46 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 02 04:58:47 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
TP-QMSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/07/2024
Supervised By :mohammad ahmed 10/07/2024



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

Manual Integration Report

Sequence:	BF100124	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC020	BF139587.D	2,4-Dimethylphenol	yogesh	10/2/2024 8:47:02 AM	mohammad	10/4/2024 1:06:18 AM	Peak Integrated by Software
SSTDICC080	BF139591.D	2,4-Dimethylphenol	yogesh	10/2/2024 8:47:07 AM	mohammad	10/4/2024 1:06:18 AM	Peak Integrated by Software
SSTDICC080	BF139591.D	Caprolactam	yogesh	10/2/2024 8:47:07 AM	mohammad	10/4/2024 1:06:18 AM	Peak Integrated by Software
SSTDICV040	BF139592.D	2,4-Dimethylphenol	yogesh	10/2/2024 8:47:10 AM	mohammad	10/4/2024 1:06:18 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	BF100424	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB163883BS	BF139647.D	2,4-Dimethylphenol	yogesh	10/5/2024 3:00:10 AM	mohammad	10/7/2024 7:11:42 AM	Peak Integrated by Software
PB163883BS	BF139647.D	Acenaphthene	yogesh	10/5/2024 3:00:10 AM	mohammad	10/7/2024 7:11:42 AM	Peak Integrated by Software
PB163883BS	BF139647.D	Caprolactam	yogesh	10/5/2024 3:00:10 AM	mohammad	10/7/2024 7:11:42 AM	Peak Integrated by Software
P4242-04MS	BF139649.D	2,4-Dimethylphenol	yogesh	10/5/2024 3:00:14 AM	mohammad	10/7/2024 7:11:42 AM	Peak Integrated by Software
P4242-04MS	BF139649.D	Acenaphthene	yogesh	10/5/2024 3:00:14 AM	mohammad	10/7/2024 7:11:42 AM	Peak Integrated by Software
P4242-04MS	BF139649.D	Caprolactam	yogesh	10/5/2024 3:00:14 AM	mohammad	10/7/2024 7:11:42 AM	Peak Integrated by Software
P4242-04MSD	BF139650.D	2,4-Dimethylphenol	yogesh	10/7/2024 7:04:07 AM	mohammad	10/7/2024 7:11:42 AM	Peak Integrated by Software
P4242-04MSD	BF139650.D	Acenaphthene	yogesh	10/7/2024 7:04:07 AM	mohammad	10/7/2024 7:11:42 AM	Peak Integrated by Software
P4242-04MSD	BF139650.D	Caprolactam	yogesh	10/7/2024 7:04:07 AM	mohammad	10/7/2024 7:11:42 AM	Peak Integrated by Software

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF100124

Review By	yogesh	Review On	10/2/2024 8:47:29 AM				
Supervise By	mohammad	Supervise On	10/4/2024 1:06:18 AM				
SubDirectory	BF100124	HP Acquire Method	BNA_F		HP Processing Method	bf100124	

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12316,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF139583.D	01 Oct 2024 13:38	RC/JU	Ok
2	SSTDICC2.5	BF139584.D	01 Oct 2024 14:05	RC/JU	Ok
3	SSTDICC005	BF139585.D	01 Oct 2024 14:34	RC/JU	Ok
4	SSTDICC010	BF139586.D	01 Oct 2024 15:02	RC/JU	Ok
5	SSTDICC020	BF139587.D	01 Oct 2024 15:30	RC/JU	Ok,M
6	SSTDICCC040	BF139588.D	01 Oct 2024 15:58	RC/JU	Ok
7	SSTDICC050	BF139589.D	01 Oct 2024 16:25	RC/JU	Ok
8	SSTDICC060	BF139590.D	01 Oct 2024 16:54	RC/JU	Ok
9	SSTDICC080	BF139591.D	01 Oct 2024 17:22	RC/JU	Ok,M
10	SSTDICV040	BF139592.D	01 Oct 2024 17:50	RC/JU	Ok,M
11	PB163784BL	BF139593.D	01 Oct 2024 18:19	RC/JU	Not Ok

M : Manual Integration

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF100424

Review By	yogesh	Review On	10/5/2024 3:00:40 AM				
Supervise By	mohammad	Supervise On	10/7/2024 7:11:42 AM				
SubDirectory	BF100424	HP Acquire Method	BNA_F		HP Processing Method	bf100124	

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12316,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF139643.D	04 Oct 2024 08:33	RC/JU	Ok
2	SSTDCCC040	BF139644.D	04 Oct 2024 09:01	RC/JU	Ok
3	PB163883BL	BF139645.D	04 Oct 2024 09:29	RC/JU	Ok
4	PB163851TB	BF139646.D	04 Oct 2024 09:56	RC/JU	Ok
5	PB163883BS	BF139647.D	04 Oct 2024 10:24	RC/JU	Ok,M
6	P4242-04	BF139648.D	04 Oct 2024 10:52	RC/JU	Ok
7	P4242-04MS	BF139649.D	04 Oct 2024 11:19	RC/JU	Ok,M
8	P4242-04MSD	BF139650.D	04 Oct 2024 11:47	RC/JU	Ok,M
9	DFTPP	BF139651.D	04 Oct 2024 12:15	RC/JU	Ok
10	SSTDCCC040	BF139652.D	04 Oct 2024 12:43	RC/JU	Ok
11	PB163834BL	BF139653.D	04 Oct 2024 13:11	RC/JU	Ok
12	PB163834BS	BF139654.D	04 Oct 2024 13:39	RC/JU	Ok,M
13	P4258-04	BF139655.D	04 Oct 2024 14:07	RC/JU	Ok
14	P4270-04	BF139656.D	04 Oct 2024 14:34	RC/JU	Ok
15	P4276-02	BF139657.D	04 Oct 2024 15:03	RC/JU	ReRun
16	P4236-08	BF139658.D	04 Oct 2024 15:32	RC/JU	Ok
17	P4236-12	BF139659.D	04 Oct 2024 16:00	RC/JU	Ok
18	P4236-16	BF139660.D	04 Oct 2024 16:29	RC/JU	Ok
19	P4254-04	BF139661.D	04 Oct 2024 16:58	RC/JU	Ok
20	P4222-01	BF139662.D	04 Oct 2024 17:26	RC/JU	Ok
21	P4254-05	BF139663.D	04 Oct 2024 17:55	RC/JU	Ok

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF100424

Review By	yogesh	Review On	10/5/2024 3:00:40 AM		
Supervise By	mohammad	Supervise On	10/7/2024 7:11:42 AM		
SubDirectory	BF100424	HP Acquire Method	BNA_F	HP Processing Method	bf100124

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12316,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4257-01	BF139664.D	04 Oct 2024 18:23	RC/JU	Ok,M
23	P4255-01	BF139665.D	04 Oct 2024 18:51	RC/JU	Ok,M
24	P4273-01	BF139666.D	04 Oct 2024 19:19	RC/JU	Ok,M
25	P4242-01MSD	BF139667.D	04 Oct 2024 19:48	RC/JU	Ok
26	P4242-01	BF139668.D	04 Oct 2024 20:16	RC/JU	Ok
27	P4242-01MS	BF139669.D	04 Oct 2024 20:44	RC/JU	Ok
28	P4236-01	BF139670.D	04 Oct 2024 21:12	RC/JU	Ok
29	P4236-01MS	BF139671.D	04 Oct 2024 21:41	RC/JU	Ok,M
30	P4236-01MSD	BF139672.D	04 Oct 2024 22:09	RC/JU	Ok,M
31	P4254-01	BF139673.D	04 Oct 2024 22:38	RC/JU	Ok
32	P4276-01	BF139674.D	04 Oct 2024 23:07	RC/JU	Ok,M
33	P4277-01	BF139675.D	04 Oct 2024 23:36	RC/JU	Ok,M

M : Manual Integration

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF100124

Review By	yogesh	Review On	10/2/2024 8:47:29 AM		
Supervise By	mohammad	Supervise On	10/4/2024 1:06:18 AM		
SubDirectory	BF100124	HP Acquire Method	BNA_F	HP Processing Method	bf100124

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12316,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF139583.D	01 Oct 2024 13:38		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF139584.D	01 Oct 2024 14:05		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BF139585.D	01 Oct 2024 14:34		RC/JU	Ok
4	SSTDICC010	SSTDICC010	BF139586.D	01 Oct 2024 15:02		RC/JU	Ok
5	SSTDICC020	SSTDICC020	BF139587.D	01 Oct 2024 15:30	Method is Fail for Com#77 both DOD and NON-DOD	RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BF139588.D	01 Oct 2024 15:58	The Calibration is Good For 8270 DOD Except com#77 and good for 625.1 Method	RC/JU	Ok
7	SSTDICC050	SSTDICC050	BF139589.D	01 Oct 2024 16:25		RC/JU	Ok
8	SSTDICC060	SSTDICC060	BF139590.D	01 Oct 2024 16:54	Compound #69 removed from 60ppm	RC/JU	Ok
9	SSTDICC080	SSTDICC080	BF139591.D	01 Oct 2024 17:22	Compound #6,69 removed from 80ppm	RC/JU	Ok,M
10	SSTDICV040	ICVBF100124	BF139592.D	01 Oct 2024 17:50		RC/JU	Ok,M
11	PB163784BL	PB163784BL	BF139593.D	01 Oct 2024 18:19	Internal standard not added - Analyzed for Contamination check only.	RC/JU	Not Ok

M : Manual Integration

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF100424

Review By	yogesh	Review On	10/5/2024 3:00:40 AM		
Supervise By	mohammad	Supervise On	10/7/2024 7:11:42 AM		
SubDirectory	BF100424	HP Acquire Method	BNA_F	HP Processing Method	bf100124

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12316,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF139643.D	04 Oct 2024 08:33		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF139644.D	04 Oct 2024 09:01		RC/JU	Ok
3	PB163883BL	PB163883BL	BF139645.D	04 Oct 2024 09:29		RC/JU	Ok
4	PB163851TB	PB163851TB	BF139646.D	04 Oct 2024 09:56		RC/JU	Ok
5	PB163883BS	PB163883BS	BF139647.D	04 Oct 2024 10:24		RC/JU	Ok,M
6	P4242-04	TP-Q	BF139648.D	04 Oct 2024 10:52		RC/JU	Ok
7	P4242-04MS	TP-QMS	BF139649.D	04 Oct 2024 11:19		RC/JU	Ok,M
8	P4242-04MSD	TP-QMSD	BF139650.D	04 Oct 2024 11:47		RC/JU	Ok,M
9	DFTPP	DFTPP	BF139651.D	04 Oct 2024 12:15		RC/JU	Ok
10	SSTDCCC040	SSTDCCC040	BF139652.D	04 Oct 2024 12:43		RC/JU	Ok
11	PB163834BL	PB163834BL	BF139653.D	04 Oct 2024 13:11		RC/JU	Ok
12	PB163834BS	PB163834BS	BF139654.D	04 Oct 2024 13:39		RC/JU	Ok,M
13	P4258-04	Chamberlain Ave	BF139655.D	04 Oct 2024 14:07		RC/JU	Ok
14	P4270-04	IB-2	BF139656.D	04 Oct 2024 14:34		RC/JU	Ok
15	P4276-02	VNJ-208	BF139657.D	04 Oct 2024 15:03	Internal Standard and Surrogate Fail	RC/JU	ReRun
16	P4236-08	TP3	BF139658.D	04 Oct 2024 15:32		RC/JU	Ok
17	P4236-12	TP1	BF139659.D	04 Oct 2024 16:00		RC/JU	Ok

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Fax : 908 789 8922

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF100424

Review By	yogesh	Review On	10/5/2024 3:00:40 AM		
Supervise By	mohammad	Supervise On	10/7/2024 7:11:42 AM		
SubDirectory	BF100424	HP Acquire Method	BNA_F	HP Processing Method	bf100124

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12316,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	P4236-16	TP2	BF139660.D	04 Oct 2024 16:29		RC/JU	Ok
19	P4254-04	MH-147-SLUDGE	BF139661.D	04 Oct 2024 16:58		RC/JU	Ok
20	P4222-01	TP-5	BF139662.D	04 Oct 2024 17:26		RC/JU	Ok
21	P4254-05	MH-147	BF139663.D	04 Oct 2024 17:55		RC/JU	Ok
22	P4257-01	VNJ-240	BF139664.D	04 Oct 2024 18:23		RC/JU	Ok,M
23	P4255-01	OR-03-100124	BF139665.D	04 Oct 2024 18:51		RC/JU	Ok,M
24	P4273-01	AU-05-100224	BF139666.D	04 Oct 2024 19:19		RC/JU	Ok,M
25	P4242-01MSD	TP-QMSD	BF139667.D	04 Oct 2024 19:48		RC/JU	Ok
26	P4242-01	TP-Q	BF139668.D	04 Oct 2024 20:16		RC/JU	Ok
27	P4242-01MS	TP-QMS	BF139669.D	04 Oct 2024 20:44		RC/JU	Ok
28	P4236-01	TP4	BF139670.D	04 Oct 2024 21:12		RC/JU	Ok
29	P4236-01MS	TP4MS	BF139671.D	04 Oct 2024 21:41		RC/JU	Ok,M
30	P4236-01MSD	TP4MSD	BF139672.D	04 Oct 2024 22:09		RC/JU	Ok,M
31	P4254-01	MH-147-SLUDGE	BF139673.D	04 Oct 2024 22:38		RC/JU	Ok
32	P4276-01	VNJ-208	BF139674.D	04 Oct 2024 23:07		RC/JU	Ok,M
33	P4277-01	BU-03-10022024	BF139675.D	04 Oct 2024 23:36		RC/JU	Ok,M

M : Manual Integration

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB163851

SOP ID : M1311-TCLP-14

SDG No : N/A

Weigh By : JP

Balance ID : WC SC-4

pH Meter ID : WC PH METER-1

Extraction By : JP

Filter By : JP

Pippete ID : WC

Tumbler ID : T-1

TCLP Filter ID : 114771

Start Prep Date : 10/02/2024 **Time :** 17:35

End Prep Date : 10/03/2024 **Time :** 10:25

Combination Ratio : 20

ZHE Cleaning Batch : N/A

Initial Room Temperature: 23 °C

Final Room Temperature: 22 °C

TCLP Technician Signature : JP

Supervisor By : IZ

Standared Name	MLS USED	STD REF. # FROM LOG
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE U	Lot Number
TCLP-FLUID-1	N/A	WP108622
HCL-TCLP,1N	N/A	WP108584
HNO3-TCLP,1N	N/A	WP108585
pH Strips	N/A	W1931,W1934,W2350,W2755
pH Strips	N/A	W1937,W1938,W1939,W1940,W1941,W1942
1 Liter Amber	N/A	23091
120ml Plastic bottle	N/A	21029
1:1 HNO3	MP81119	N/A

Extraction Conformance/Non-Conformance Comments:

Matrix spikes are added after fiftation and before preservation. TUMBLER T-1 checked,30 rpm. p4276-02 is used for MS-MSD Particle size reduction is not required.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/03/24 11:00	JP / TCLP Room	JPP 10/3 IEXT
	Preparation Group	Analysis Group 10/4 DLS

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB163851

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
P4242-04	TP-Q	01	100.02	2000	N/A	N/A	N/A	5.6	1.5	T-1
P4254-04	MH-147-SLUDGE	02	100.03	2000	N/A	N/A	N/A	4.0	1.0	T-1
P4258-04	Chamberlain Ave	03	100.04	2000	N/A	N/A	N/A	5.6	1.5	T-1
P4270-04	IB-2	04	100.02	2000	N/A	N/A	N/A	5.8	1.0	T-1
P4276-02	VNJ-208	05	100.03	2000	N/A	N/A	N/A	7.2	1.5	T-1
PB163851TB	LEB851	06	N/A	2000	N/A	N/A	N/A	4.94	1.0	T-1

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TCLP Solid Determination

PB163851

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
P4242-04	TP-Q	N/A	N/A	N/A	N/A	100	N/A
P4254-04	MH-147-SLUDGE	N/A	N/A	N/A	N/A	100	N/A
P4258-04	Chamberlain Ave	N/A	N/A	N/A	N/A	100	N/A
P4270-04	IB-2	N/A	N/A	N/A	N/A	100	N/A
P4276-02	VNJ-208	N/A	N/A	N/A	N/A	100	N/A
PB163851TB	LEB851	N/A	N/A	N/A	N/A	N/A	N/A

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TCLP Fluid Determination

PB163851

Hot Block ID : WC S-1 /WC S-2

Thermometer ID : FLASHPOINT

SampleID	ClientID	Sample Weight (g)	Volume DI Water (mL)	PH after 5 min stir	PH after 10 min stir	Extraction Fluid 1 or 2	pH Extraction Fluid
P4242-04	TP-Q	5.02	96.5	7.6	2.0	#1	4.93
P4254-04	MH-147-SLUDGE	5.01	96.5	6.6	1.5	#1	4.93
P4258-04	Chamberlain Ave	5.03	96.5	7.6	2.0	#1	4.93
P4270-04	IB-2	5.02	96.5	8.4	3.0	#1	4.93
P4276-02	VNJ-208	5.02	96.5	9.0	4.0	#1	4.93
PB163851TB	LEB851	N/A	N/A	N/A	N/A	#1	4.93

WORKLIST(Hardcopy Internal Chain)

WorkList Name : tclp p4258 **WorkList ID :** 184036 **Department :** TCLP Extraction **Date :** 10-02-2024 09:43:17

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4242-04	TP-Q	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	J51	10/01/2024	1311
P4254-04	MH-147-SLUDGE	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	J51	10/01/2024	1311
P4258-04	Chamberlain Ave	Solid	TCLP Extraction	Cool 4 deg C	ROMA02	H11	10/01/2024	1311
P4270-04	IB-2	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	J51	10/02/2024	1311
P4276-02	VNJ-208	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	J53	10/02/2024	1311

Date/Time 10/02/24 16:30
Raw Sample Received by:
Raw Sample Relinquished by:

Date/Time 10/02/24 19:00
Raw Sample Received by:
Raw Sample Relinquished by:

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB163883

8

SOP ID: M3510C,3580A-Extraction SVOC-20

Clean Up SOP #: N/A

Matrix : Water

Weigh By: EH

Balance check: RJ

Balance ID: EX-SC-2

pH Strip Lot#: N/A

Extraction By: RJ

Filter By: RJ

pH Meter ID: N/A

Hood ID: 3,7

Extraction Start Date : 10/03/2024

Extraction Start Time : 11:30

Extraction End Date : 10/03/2024

Extraction End Time : 16:25

Concentration By: EH

Supervisor By : rajesh

Extraction Method: [√] Seperatory Funnel [ ] Continious Liquid/Liquid [ ] Sonication [ ] Waste Dilution [ ] Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50/100 PPM	SP6630
Surrogate	1.0ML	100/150 PPM	SP6524
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Methylene Chloride	N/A	E3803
Baked Na2SO4	N/A	EP2541
10N NaoH	N/A	EP2523
H2SO4 1:1	N/A	EP2524
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5 ML Vial lot# 2210673pHAdjusted<2 with 1:1 H2SO4 & >11with 10 N NaOH.

KD Bath ID: Water bath -01,02

KD Bath Temperature: 60 °C

Envap ID: NEVAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/3/24	RP (Sol. Cas)	AC/SVOC
16:30	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB163883

Analytical Method: M3510C,3580A-Extraction SVOC-20 **Concentration Date:** 10/01/2024

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB163851TB	PB163851TB	TCLP BNA	100	6	RUPESH	ritesh	1			SEP-01
PB163883BL	PB163883BL	TCLP BNA	1000	6	RUPESH	ritesh	1			2
PB163883BS	PB163883BS	TCLP BNA	1000	6	RUPESH	ritesh	1			3
P4242-04	TP-Q	TCLP BNA	100	6	RUPESH	ritesh	1	A		4
P4242-04MS	TP-QMS	TCLP BNA	100	6	RUPESH	ritesh	1	A		5
P4242-04MSD	TP-QMSD	TCLP BNA	100	6	RUPESH	ritesh	1	A		6
P4254-04	MH-147-SLUDGE	TCLP BNA	100	6	RUPESH	ritesh	1	A		7
P4258-04	CHAMBERLAIN AVE	TCLP BNA	100	6	RUPESH	ritesh	1	A		8
P4270-04	IB-2	TCLP BNA	100	6	RUPESH	ritesh	1	A		9
P4276-02	VNJ-208	TCLP BNA	100	6	RUPESH	ritesh	1	A		10

* **Extracts relinquished on the same date as received.**

10/3/24

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB163851

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
P4242-04	TP-Q	01	100.02	2000	N/A	N/A	N/A	5.6	1.5	T-1
P4254-04	MH-147-SLUDGE	02	100.03	2000	N/A	N/A	N/A	4.0	1.0	T-1
P4258-04	Chamberlain Ave	03	100.04	2000	N/A	N/A	N/A	5.6	1.5	T-1
P4270-04	IB-2	04	100.02	2000	N/A	N/A	N/A	5.8	1.0	T-1
P4276-02	VNJ-208	05	100.03	2000	N/A	N/A	N/A	7.2	1.5	T-1
PB163851TB	LEB851	06	N/A	2000	N/A	N/A	N/A	4.94	1.0	T-1

10/03/24

22:00

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

LAB CHRONICLE

OrderID:	P4258	**OrderDate:**	10/1/2024 1:21:00 PM
Client:	Roman E&G Corp	**Project:**	Perth Amboy
Contact:	Mark Mattheiss	**Location:**	H11,H51

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4258-04	**Chamberlain Ave**	**TCLP**			**10/01/24**			**10/01/24**
			TCLP BNA	8270E		10/03/24	10/04/24	

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

Hit Summary Sheet
SW-846

SDG No.: P4258 **Order ID:** P4258

Client: Roman E&G Corp **Project ID:** Perth Amboy

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : Chamberlain Ave								
P4258-03	Chamberlain Ave	SOIL	4,4-DDE	0.31	J	0.15	2.00	ug/kg
P4258-03	Chamberlain Ave	SOIL	4,4-DDD	0.27	J	0.22	2.00	ug/kg
P4258-03	Chamberlain Ave	SOIL	4,4-DDT	0.54	JP	0.20	2.00	ug/kg
P4258-03	Chamberlain Ave	SOIL	alpha-Chlordane	0.80	JP	0.20	2.00	ug/kg
P4258-03	Chamberlain Ave	SOIL	gamma-Chlordane	0.42	J	0.22	2.00	ug/kg
			Total Concentration:	**2.340**				

SAMPLE DATA

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

Report of Analysis

Client:	Roman E&G Corp	Date Collected:	10/01/24
Project:	Perth Amboy	Date Received:	10/01/24
Client Sample ID:	Chamberlain Ave	SDG No.:	P4258
Lab Sample ID:	P4258-03	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	86 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092333.D	1	10/11/24 09:00	10/11/24 13:51	PB164067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.21	U	0.21	2.00	ug/kg
319-85-7	beta-BHC	0.57	U	0.57	2.00	ug/kg
319-86-8	delta-BHC	0.55	U	0.55	2.00	ug/kg
58-89-9	gamma-BHC (Lindane)	0.22	U	0.22	2.00	ug/kg
76-44-8	Heptachlor	0.20	U	0.20	2.00	ug/kg
309-00-2	Aldrin	0.16	U	0.16	2.00	ug/kg
1024-57-3	Heptachlor epoxide	0.27	U	0.27	2.00	ug/kg
959-98-8	Endosulfan I	0.20	U	0.20	2.00	ug/kg
60-57-1	Dieldrin	0.17	U	0.17	2.00	ug/kg
72-55-9	4,4-DDE	0.31	J	0.15	2.00	ug/kg
72-20-8	Endrin	0.19	U	0.19	2.00	ug/kg
33213-65-9	Endosulfan II	0.35	U	0.35	2.00	ug/kg
72-54-8	4,4-DDD	0.27	J	0.22	2.00	ug/kg
1031-07-8	Endosulfan Sulfate	0.15	U	0.15	2.00	ug/kg
50-29-3	4,4-DDT	0.54	JP	0.20	2.00	ug/kg
72-43-5	Methoxychlor	0.44	U	0.44	2.00	ug/kg
53494-70-5	Endrin ketone	0.26	U	0.26	2.00	ug/kg
7421-93-4	Endrin aldehyde	0.45	U	0.45	2.00	ug/kg
5103-71-9	alpha-Chlordane	0.80	JP	0.20	2.00	ug/kg
5103-74-2	gamma-Chlordane	0.42	J	0.22	2.00	ug/kg
8001-35-2	Toxaphene	6.10	U	6.10	38.3	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.7		10 - 148	98%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.9		10 - 159	99%	SPK: 20

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

Report of Analysis

Client:	Roman E&G Corp	Date Collected:	10/01/24
Project:	Perth Amboy	Date Received:	10/01/24
Client Sample ID:	Chamberlain Ave	SDG No.:	P4258
Lab Sample ID:	P4258-03	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	86 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092333.D	1	10/11/24 09:00	10/11/24 13:51	PB164067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

QC SUMMARY

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

Surrogate Summary

SDG No.: P4258

Client: Roman E&G Corp

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PL091953.D	PIBLK-PL091953.D	Decachlorobiphenyl	1	20	19.6	98		43	140
		Tetrachloro-m-xylene	1	20	19.0	95		77	126
		Decachlorobiphenyl	2	20	18.7	94		43	140
		Tetrachloro-m-xylene	2	20	18.3	92		77	126
I.BLK-PL092329.D	PIBLK-PL092329.D	Decachlorobiphenyl	1	20	23.8	119		43	140
		Tetrachloro-m-xylene	1	20	21.3	107		77	126
		Decachlorobiphenyl	2	20	22.1	110		43	140
		Tetrachloro-m-xylene	2	20	20.6	103		77	126
PB164067BL	PB164067BL	Decachlorobiphenyl	1	20	19.6	98		10	148
		Tetrachloro-m-xylene	1	20	19.0	95		10	159
		Decachlorobiphenyl	2	20	19.6	98		10	148
		Tetrachloro-m-xylene	2	20	18.1	90		10	159
PB164067BS	PB164067BS	Decachlorobiphenyl	1	20	22.0	110		10	148
		Tetrachloro-m-xylene	1	20	20.7	103		10	159
		Decachlorobiphenyl	2	20	21.3	106		10	148
		Tetrachloro-m-xylene	2	20	19.9	100		10	159
P4258-03	Chamberlain Ave	Decachlorobiphenyl	1	20	19.7	98		10	148
		Tetrachloro-m-xylene	1	20	19.9	99		10	159
		Decachlorobiphenyl	2	20	18.7	93		10	148
		Tetrachloro-m-xylene	2	20	19.4	97		10	159
P4385-04MS	SP-2MS	Decachlorobiphenyl	1	20	16.9	85		10	148
		Tetrachloro-m-xylene	1	20	16.4	82		10	159
		Decachlorobiphenyl	2	20	15.7	78		10	148
		Tetrachloro-m-xylene	2	20	16.3	81		10	159
P4385-04MSD	SP-2MSD	Decachlorobiphenyl	1	20	16.8	84		10	148
		Tetrachloro-m-xylene	1	20	16.6	83		10	159
		Decachlorobiphenyl	2	20	15.6	78		10	148
		Tetrachloro-m-xylene	2	20	15.9	79		10	159
I.BLK-PL092346.D	PIBLK-PL092346.D	Decachlorobiphenyl	1	20	21.1	105		43	140
		Tetrachloro-m-xylene	1	20	21.4	107		77	126
		Decachlorobiphenyl	2	20	19.7	99		43	140
		Tetrachloro-m-xylene	2	20	21.2	106		77	126

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4258

Client: Roman E&G Corp

Analytical Method: 8081B **DataFile :** PL092336.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Client Sample ID:	**SP-2MS**											
P4385-04MS	alpha-BHC	17.5	0	15.6	ug/kg	89				60	144	
	beta-BHC	17.5	0	16.0	ug/kg	91				54	143	
	delta-BHC	17.5	0	14.7	ug/kg	84				47	144	
	gamma-BHC (Lindane)	17.5	0	15.2	ug/kg	87				61	140	
	Heptachlor	17.5	0	16.0	ug/kg	91				63	135	
	Aldrin	17.5	0	15.3	ug/kg	87				49	139	
	Heptachlor epoxide	17.5	0	15.5	ug/kg	89				32	180	
	Endosulfan I	17.5	0	15.6	ug/kg	89				56	142	
	Dieldrin	17.5	0.94	16.7	ug/kg	90				47	161	
	4,4'-DDE	17.5	30.6	43.0	ug/kg	71				55	136	
	Endrin	17.5	0	16.9	ug/kg	97				57	139	
	Endosulfan II	17.5	0	16.0	ug/kg	91				40	163	
	4,4'-DDD	17.5	4	19.2	ug/kg	87				37	192	
	Endosulfan sulfate	17.5	0	16.1	ug/kg	92				62	139	
	4,4'-DDT	17.5	26	39.9	ug/kg	79				51	146	
	Methoxychlor	17.5	0	16.3	ug/kg	93				54	136	
	Endrin ketone	17.5	0	21.2	ug/kg	121				60	129	
	Endrin aldehyde	17.5	0	16.3	ug/kg	93				59	132	
	alpha-Chlordane	17.5	0	15.9	ug/kg	91				30	192	
	gamma-Chlordane	17.5	0	16.4	ug/kg	94				44	175	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4258

Client: Roman E&G Corp

Analytical Method: 8081B **DataFile :** PL092337.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Client Sample ID:	**SP-2MSD**											
P4385-04MSD	alpha-BHC	17.51	0	15.5	ug/kg	89		0		60	144	20
	beta-BHC	17.51	0	15.8	ug/kg	90		1		54	143	20
	delta-BHC	17.51	0	14.6	ug/kg	83		1		47	144	20
	gamma-BHC (Lindane)	17.51	0	15.1	ug/kg	86		1		61	140	20
	Heptachlor	17.51	0	15.9	ug/kg	91		0		63	135	20
	Aldrin	17.51	0	15.2	ug/kg	87		0		49	139	20
	Heptachlor epoxide	17.51	0	15.5	ug/kg	89		0		32	180	20
	Endosulfan I	17.51	0	15.5	ug/kg	89		0		56	142	20
	Dieldrin	17.51	0.94	16.6	ug/kg	89		1		47	161	20
	4,4'-DDE	17.51	30.6	43.3	ug/kg	73		3		55	136	20
	Endrin	17.51	0	16.8	ug/kg	96		1		57	139	20
	Endosulfan II	17.51	0	16.0	ug/kg	91		0		40	163	20
	4,4'-DDD	17.51	4	18.9	ug/kg	85		2		37	192	20
	Endosulfan sulfate	17.51	0	16.1	ug/kg	92		0		62	139	20
	4,4'-DDT	17.51	26	39.7	ug/kg	78		1		51	146	20
	Methoxychlor	17.51	0	16.2	ug/kg	93		0		54	136	20
	Endrin ketone	17.51	0	22.6	ug/kg	129		6		60	129	20
	Endrin aldehyde	17.51	0	16.2	ug/kg	93		0		59	132	20
	alpha-Chlordane	17.51	0	15.9	ug/kg	91		0		30	192	20
	gamma-Chlordane	17.51	0	16.2	ug/kg	93		1		44	175	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4258

Client: Roman E&G Corp

Analytical Method: 8081B **Datafile :** PL092332.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB164067BS	alpha-BHC	16.66	16.8	ug/kg	101				84	123	
	beta-BHC	16.66	16.8	ug/kg	101				82	123	
	delta-BHC	16.66	16.4	ug/kg	98				83	126	
	gamma-BHC (Lindane)	16.66	16.2	ug/kg	97				83	125	
	Heptachlor	16.66	16.7	ug/kg	100				83	122	
	Aldrin	16.66	16.2	ug/kg	97				82	124	
	Heptachlor epoxide	16.66	17.3	ug/kg	104				83	120	
	Endosulfan I	16.66	17.2	ug/kg	103				81	124	
	Dieldrin	16.66	17.3	ug/kg	104				85	121	
	4,4'-DDE	16.66	17.6	ug/kg	106				81	123	
	Endrin	16.66	16.3	ug/kg	98				76	130	
	Endosulfan II	16.66	17.5	ug/kg	105				80	125	
	4,4'-DDD	16.66	18.9	ug/kg	113				80	131	
	Endosulfan sulfate	16.66	17.1	ug/kg	103				81	122	
	4,4'-DDT	16.66	16.2	ug/kg	97				70	129	
	Methoxychlor	16.66	16.3	ug/kg	98				60	119	
	Endrin ketone	16.66	17.4	ug/kg	104				77	132	
	Endrin aldehyde	16.66	16.6	ug/kg	100				79	124	
	alpha-Chlordane	16.66	17.2	ug/kg	103				84	120	
	gamma-Chlordane	16.66	17.4	ug/kg	104				83	122	

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4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164067BL

Lab Name: CHEMTECH Contract: ROMA02

Lab Code: CHEM Case No.: P4258 SAS No.: P4258 SDG NO.: P4258

Lab Sample ID: PB164067BL Lab File ID: PL092331.D

Matrix: (soil/water) Solid Extraction: (Type)

Sulfur Cleanup: (Y/N) N Date Extracted: 10/11/2024

Date Analyzed (1): 10/11/2024 Date Analyzed (2): 10/11/2024

Time Analyzed (1): 13:24 Time Analyzed (2): 13:24

Instrument ID (1): ECD_L Instrument ID (2): ECD_L

GC Column (1): ZB-MR2 ID: 0.32 (mm) GC Column (2): ZB-MR1 ID: 0.32 (mm)

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
PB164067BS	PB164067BS	PL092332.D	10/11/2024	10/11/2024
Chamberlain Ave	P4258-03	PL092333.D	10/11/2024	10/11/2024
SP-2MS	P4385-04MS	PL092336.D	10/11/2024	10/11/2024
SP-2MSD	P4385-04MSD	PL092337.D	10/11/2024	10/11/2024

COMMENTS:

QC SAMPLE DATA

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Report of Analysis

Client:	Roman E&G Corp	Date Collected:	
Project:	Perth Amboy	Date Received:	
Client Sample ID:	PB164067BL	SDG No.:	P4258
Lab Sample ID:	PB164067BL	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	100 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092331.D	1	10/11/24 09:00	10/11/24 13:24	PB164067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.18	U	0.18	1.70	ug/kg
319-85-7	beta-BHC	0.49	U	0.49	1.70	ug/kg
319-86-8	delta-BHC	0.47	U	0.47	1.70	ug/kg
58-89-9	gamma-BHC (Lindane)	0.19	U	0.19	1.70	ug/kg
76-44-8	Heptachlor	0.17	U	0.17	1.70	ug/kg
309-00-2	Aldrin	0.14	U	0.14	1.70	ug/kg
1024-57-3	Heptachlor epoxide	0.23	U	0.23	1.70	ug/kg
959-98-8	Endosulfan I	0.17	U	0.17	1.70	ug/kg
60-57-1	Dieldrin	0.15	U	0.15	1.70	ug/kg
72-55-9	4,4-DDE	0.13	U	0.13	1.70	ug/kg
72-20-8	Endrin	0.16	U	0.16	1.70	ug/kg
33213-65-9	Endosulfan II	0.30	U	0.30	1.70	ug/kg
72-54-8	4,4-DDD	0.19	U	0.19	1.70	ug/kg
1031-07-8	Endosulfan Sulfate	0.13	U	0.13	1.70	ug/kg
50-29-3	4,4-DDT	0.17	U	0.17	1.70	ug/kg
72-43-5	Methoxychlor	0.38	U	0.38	1.70	ug/kg
53494-70-5	Endrin ketone	0.22	U	0.22	1.70	ug/kg
7421-93-4	Endrin aldehyde	0.39	U	0.39	1.70	ug/kg
5103-71-9	alpha-Chlordane	0.17	U	0.17	1.70	ug/kg
5103-74-2	gamma-Chlordane	0.19	U	0.19	1.70	ug/kg
8001-35-2	Toxaphene	5.20	U	5.20	33.0	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.6		10 - 148	98%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.0		10 - 159	95%	SPK: 20

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Report of Analysis

Client:	Roman E&G Corp		Date Collected:		
Project:	Perth Amboy		Date Received:		
Client Sample ID:	PB164067BL		SDG No.:	P4258	
Lab Sample ID:	PB164067BL		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	100	Decanted:
Sample Wt/Vol:	30.03	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092331.D	1	10/11/24 09:00	10/11/24 13:24	PB164067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Roman E&G Corp	Date Collected:	09/23/24
Project:	Perth Amboy	Date Received:	09/23/24
Client Sample ID:	PIBLK-PL091953.D	SDG No.:	P4258
Lab Sample ID:	I.BLK-PL091953.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL091953.D	1		09/23/24	PL092324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0061	U	0.0061	0.050	ug/L
319-85-7	beta-BHC	0.014	U	0.014	0.050	ug/L
319-86-8	delta-BHC	0.015	U	0.015	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
309-00-2	Aldrin	0.0044	U	0.0044	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
959-98-8	Endosulfan I	0.0050	U	0.0050	0.050	ug/L
60-57-1	Dieldrin	0.0047	U	0.0047	0.050	ug/L
72-55-9	4,4-DDE	0.0045	U	0.0045	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
33213-65-9	Endosulfan II	0.0075	U	0.0075	0.050	ug/L
72-54-8	4,4-DDD	0.0092	U	0.0092	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0035	U	0.0035	0.050	ug/L
50-29-3	4,4-DDT	0.0044	U	0.0044	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0097	U	0.0097	0.050	ug/L
7421-93-4	Endrin aldehyde	0.0099	U	0.0099	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0060	U	0.0060	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0060	U	0.0060	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.6		43 - 140	98%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.0		77 - 126	95%	SPK: 20

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Report of Analysis

Client:	Roman E&G Corp	Date Collected:	09/23/24
Project:	Perth Amboy	Date Received:	09/23/24
Client Sample ID:	PIBLK-PL091953.D	SDG No.:	P4258
Lab Sample ID:	I.BLK-PL091953.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL091953.D	1		09/23/24	PL092324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Roman E&G Corp	Date Collected:	10/11/24
Project:	Perth Amboy	Date Received:	10/11/24
Client Sample ID:	PIBLK-PL092329.D	SDG No.:	P4258
Lab Sample ID:	I.BLK-PL092329.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092329.D	1		10/11/24	PL101224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0061	U	0.0061	0.050	ug/L
319-85-7	beta-BHC	0.014	U	0.014	0.050	ug/L
319-86-8	delta-BHC	0.015	U	0.015	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
309-00-2	Aldrin	0.0044	U	0.0044	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
959-98-8	Endosulfan I	0.0050	U	0.0050	0.050	ug/L
60-57-1	Dieldrin	0.0047	U	0.0047	0.050	ug/L
72-55-9	4,4-DDE	0.0045	U	0.0045	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
33213-65-9	Endosulfan II	0.0075	U	0.0075	0.050	ug/L
72-54-8	4,4-DDD	0.0092	U	0.0092	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0035	U	0.0035	0.050	ug/L
50-29-3	4,4-DDT	0.0044	U	0.0044	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0097	U	0.0097	0.050	ug/L
7421-93-4	Endrin aldehyde	0.0099	U	0.0099	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0060	U	0.0060	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0060	U	0.0060	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	23.8		43 - 140	119%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.3		77 - 126	107%	SPK: 20

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Report of Analysis

Client:	Roman E&G Corp	Date Collected:	10/11/24
Project:	Perth Amboy	Date Received:	10/11/24
Client Sample ID:	PIBLK-PL092329.D	SDG No.:	P4258
Lab Sample ID:	I.BLK-PL092329.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092329.D	1		10/11/24	PL101224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Roman E&G Corp	Date Collected:	10/11/24
Project:	Perth Amboy	Date Received:	10/11/24
Client Sample ID:	PIBLK-PL092346.D	SDG No.:	P4258
Lab Sample ID:	I.BLK-PL092346.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092346.D	1		10/11/24	PL101224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0061	U	0.0061	0.050	ug/L
319-85-7	beta-BHC	0.014	U	0.014	0.050	ug/L
319-86-8	delta-BHC	0.015	U	0.015	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
309-00-2	Aldrin	0.0044	U	0.0044	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
959-98-8	Endosulfan I	0.0050	U	0.0050	0.050	ug/L
60-57-1	Dieldrin	0.0047	U	0.0047	0.050	ug/L
72-55-9	4,4-DDE	0.0045	U	0.0045	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
33213-65-9	Endosulfan II	0.0075	U	0.0075	0.050	ug/L
72-54-8	4,4-DDD	0.0092	U	0.0092	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0035	U	0.0035	0.050	ug/L
50-29-3	4,4-DDT	0.0044	U	0.0044	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0097	U	0.0097	0.050	ug/L
7421-93-4	Endrin aldehyde	0.0099	U	0.0099	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0060	U	0.0060	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0060	U	0.0060	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.1		43 - 140	105%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.4		77 - 126	107%	SPK: 20

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Report of Analysis

Client:	Roman E&G Corp	Date Collected:	10/11/24
Project:	Perth Amboy	Date Received:	10/11/24
Client Sample ID:	PIBLK-PL092346.D	SDG No.:	P4258
Lab Sample ID:	I.BLK-PL092346.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092346.D	1		10/11/24	PL101224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Roman E&G Corp	Date Collected:	
Project:	Perth Amboy	Date Received:	
Client Sample ID:	PB164067BS	SDG No.:	P4258
Lab Sample ID:	PB164067BS	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	100 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092332.D	1	10/11/24 09:00	10/11/24 13:37	PB164067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	16.8		0.18	1.70	ug/kg
319-85-7	beta-BHC	16.8		0.49	1.70	ug/kg
319-86-8	delta-BHC	16.4		0.47	1.70	ug/kg
58-89-9	gamma-BHC (Lindane)	16.2		0.19	1.70	ug/kg
76-44-8	Heptachlor	16.7		0.17	1.70	ug/kg
309-00-2	Aldrin	16.2		0.14	1.70	ug/kg
1024-57-3	Heptachlor epoxide	17.3		0.23	1.70	ug/kg
959-98-8	Endosulfan I	17.2		0.17	1.70	ug/kg
60-57-1	Dieldrin	17.3		0.15	1.70	ug/kg
72-55-9	4,4-DDE	17.6		0.13	1.70	ug/kg
72-20-8	Endrin	16.3		0.16	1.70	ug/kg
33213-65-9	Endosulfan II	17.5		0.30	1.70	ug/kg
72-54-8	4,4-DDD	18.9		0.19	1.70	ug/kg
1031-07-8	Endosulfan Sulfate	17.1		0.13	1.70	ug/kg
50-29-3	4,4-DDT	16.2		0.17	1.70	ug/kg
72-43-5	Methoxychlor	16.3		0.38	1.70	ug/kg
53494-70-5	Endrin ketone	17.4		0.22	1.70	ug/kg
7421-93-4	Endrin aldehyde	16.6		0.39	1.70	ug/kg
5103-71-9	alpha-Chlordane	17.2		0.17	1.70	ug/kg
5103-74-2	gamma-Chlordane	17.4		0.19	1.70	ug/kg
8001-35-2	Toxaphene	5.20	U	5.20	33.0	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.0		10 - 148	110%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.7		10 - 159	103%	SPK: 20

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Report of Analysis

Client:	Roman E&G Corp		Date Collected:		
Project:	Perth Amboy		Date Received:		
Client Sample ID:	PB164067BS		SDG No.:	P4258	
Lab Sample ID:	PB164067BS		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	100	Decanted:
Sample Wt/Vol:	30.01	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092332.D	1	10/11/24 09:00	10/11/24 13:37	PB164067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Roman E&G Corp	Date Collected:	10/10/24
Project:	Perth Amboy	Date Received:	10/10/24
Client Sample ID:	SP-2MS	SDG No.:	P4258
Lab Sample ID:	P4385-04MS	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	95 Decanted:
Sample Wt/Vol:	30.08 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092336.D	1	10/11/24 09:00	10/11/24 14:31	PB164067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	15.6		0.19	1.80	ug/kg
319-85-7	beta-BHC	16.0		0.51	1.80	ug/kg
319-86-8	delta-BHC	14.7		0.49	1.80	ug/kg
58-89-9	gamma-BHC (Lindane)	15.2		0.20	1.80	ug/kg
76-44-8	Heptachlor	16.0		0.18	1.80	ug/kg
309-00-2	Aldrin	15.3		0.15	1.80	ug/kg
1024-57-3	Heptachlor epoxide	15.5		0.24	1.80	ug/kg
959-98-8	Endosulfan I	15.6		0.18	1.80	ug/kg
60-57-1	Dieldrin	16.7		0.16	1.80	ug/kg
72-55-9	4,4-DDE	43.0	E	0.14	1.80	ug/kg
72-20-8	Endrin	16.9		0.17	1.80	ug/kg
33213-65-9	Endosulfan II	16.0		0.32	1.80	ug/kg
72-54-8	4,4-DDD	19.2		0.20	1.80	ug/kg
1031-07-8	Endosulfan Sulfate	16.1		0.14	1.80	ug/kg
50-29-3	4,4-DDT	39.9	E	0.18	1.80	ug/kg
72-43-5	Methoxychlor	16.3		0.40	1.80	ug/kg
53494-70-5	Endrin ketone	21.2	P	0.23	1.80	ug/kg
7421-93-4	Endrin aldehyde	16.3		0.41	1.80	ug/kg
5103-71-9	alpha-Chlordane	15.9		0.18	1.80	ug/kg
5103-74-2	gamma-Chlordane	16.4		0.20	1.80	ug/kg
8001-35-2	Toxaphene	5.50	U	5.50	34.6	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	16.9		10 - 148	85%	SPK: 20
877-09-8	Tetrachloro-m-xylene	16.4		10 - 159	82%	SPK: 20

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Report of Analysis

Client:	Roman E&G Corp	Date Collected:	10/10/24
Project:	Perth Amboy	Date Received:	10/10/24
Client Sample ID:	SP-2MS	SDG No.:	P4258
Lab Sample ID:	P4385-04MS	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	95 Decanted:
Sample Wt/Vol:	30.08 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092336.D	1	10/11/24 09:00	10/11/24 14:31	PB164067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Roman E&G Corp	Date Collected:	10/10/24
Project:	Perth Amboy	Date Received:	10/10/24
Client Sample ID:	SP-2MSD	SDG No.:	P4258
Lab Sample ID:	P4385-04MSD	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	95 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092337.D	1	10/11/24 09:00	10/11/24 14:44	PB164067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	15.5		0.19	1.80	ug/kg
319-85-7	beta-BHC	15.8		0.51	1.80	ug/kg
319-86-8	delta-BHC	14.6		0.49	1.80	ug/kg
58-89-9	gamma-BHC (Lindane)	15.1		0.20	1.80	ug/kg
76-44-8	Heptachlor	15.9		0.18	1.80	ug/kg
309-00-2	Aldrin	15.2		0.15	1.80	ug/kg
1024-57-3	Heptachlor epoxide	15.5		0.24	1.80	ug/kg
959-98-8	Endosulfan I	15.5		0.18	1.80	ug/kg
60-57-1	Dieldrin	16.6		0.16	1.80	ug/kg
72-55-9	4,4-DDE	43.3	E	0.14	1.80	ug/kg
72-20-8	Endrin	16.8		0.17	1.80	ug/kg
33213-65-9	Endosulfan II	16.0		0.32	1.80	ug/kg
72-54-8	4,4-DDD	18.9		0.20	1.80	ug/kg
1031-07-8	Endosulfan Sulfate	16.1		0.14	1.80	ug/kg
50-29-3	4,4-DDT	39.7	E	0.18	1.80	ug/kg
72-43-5	Methoxychlor	16.2		0.40	1.80	ug/kg
53494-70-5	Endrin ketone	22.6	P	0.23	1.80	ug/kg
7421-93-4	Endrin aldehyde	16.2		0.41	1.80	ug/kg
5103-71-9	alpha-Chlordane	15.9		0.18	1.80	ug/kg
5103-74-2	gamma-Chlordane	16.2		0.20	1.80	ug/kg
8001-35-2	Toxaphene	5.50	U	5.50	34.7	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	16.8		10 - 148	84%	SPK: 20
877-09-8	Tetrachloro-m-xylene	16.6		10 - 159	83%	SPK: 20

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Report of Analysis

Client:	Roman E&G Corp	Date Collected:	10/10/24
Project:	Perth Amboy	Date Received:	10/10/24
Client Sample ID:	SP-2MSD	SDG No.:	P4258
Lab Sample ID:	P4385-04MSD	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	95 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092337.D	1	10/11/24 09:00	10/11/24 14:44	PB164067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

CALIBRATION SUMMARY

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Instrument ID: ECD_L **Calibration Date(s):** 09/23/2024 09/23/2024

Calibration Times: 11:32 12:26

GC Column: ZB-MR2 ID: 0.32 (mm)

LAB FILE ID: RT 100 = PL091956.D RT 075 = PL091957.D

RT 050 = PL091958.D RT 025 = PL091959.D RT 005 = PL091960.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
4,4'-DDD	6.71	6.71	6.71	6.71	6.71	6.71	6.61	6.81
4,4'-DDE	6.20	6.20	6.20	6.20	6.20	6.20	6.10	6.30
4,4'-DDT	7.03	7.03	7.03	7.03	7.03	7.03	6.93	7.13
Aldrin	5.26	5.26	5.26	5.26	5.26	5.26	5.16	5.36
alpha-BHC	4.00	4.00	4.00	4.00	4.00	4.00	3.90	4.10
alpha-Chlordane	6.02	6.02	6.02	6.02	6.02	6.02	5.92	6.12
beta-BHC	4.53	4.53	4.53	4.53	4.53	4.53	4.43	4.63
Decachlorobiphenyl	9.06	9.06	9.06	9.06	9.06	9.06	8.96	9.16
delta-BHC	4.78	4.78	4.78	4.78	4.77	4.78	4.68	4.88
Dieldrin	6.35	6.35	6.35	6.35	6.35	6.35	6.25	6.45
Endosulfan I	6.07	6.07	6.08	6.07	6.07	6.07	5.97	6.17
Endosulfan II	6.80	6.80	6.80	6.80	6.80	6.80	6.70	6.90
Endosulfan sulfate	7.16	7.16	7.16	7.16	7.16	7.16	7.06	7.26
Endrin	6.58	6.58	6.58	6.58	6.58	6.58	6.48	6.68
Endrin aldehyde	6.93	6.93	6.93	6.93	6.93	6.93	6.83	7.03
Endrin ketone	7.65	7.65	7.65	7.65	7.65	7.65	7.55	7.75
gamma-BHC (Lindane)	4.33	4.33	4.33	4.33	4.33	4.33	4.23	4.43
gamma-Chlordane	5.95	5.95	5.95	5.95	5.94	5.94	5.84	6.04
Heptachlor	4.92	4.92	4.92	4.92	4.92	4.92	4.82	5.02
Heptachlor epoxide	5.69	5.69	5.69	5.69	5.69	5.69	5.59	5.79
Methoxychlor	7.50	7.50	7.50	7.50	7.50	7.50	7.40	7.60
Tetrachloro-m-xylene	3.54	3.54	3.54	3.54	3.54	3.54	3.44	3.64

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Instrument ID: ECD_L **Calibration Date(s):** 09/23/2024 09/23/2024

Calibration Times: 11:32 12:26

GC Column: ZB-MR1 ID: 0.32 (mm)

LAB FILE ID: RT 100 = PL091956.D RT 075 = PL091957.D

RT 050 = PL091958.D RT 025 = PL091959.D RT 005 = PL091960.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
4,4'-DDD	5.80	5.80	5.80	5.80	5.80	5.80	5.70	5.90
4,4'-DDE	5.24	5.24	5.24	5.24	5.24	5.24	5.14	5.34
4,4'-DDT	6.05	6.05	6.05	6.05	6.05	6.05	5.95	6.15
Aldrin	4.24	4.24	4.24	4.24	4.24	4.24	4.14	4.34
alpha-BHC	3.29	3.29	3.29	3.29	3.29	3.29	3.19	3.39
alpha-Chlordane	5.05	5.05	5.05	5.05	5.05	5.05	4.95	5.15
beta-BHC	3.92	3.92	3.92	3.92	3.92	3.91	3.81	4.01
Decachlorobiphenyl	7.92	7.92	7.92	7.92	7.92	7.92	7.82	8.02
delta-BHC	4.15	4.15	4.15	4.15	4.14	4.14	4.04	4.24
Dieldrin	5.37	5.37	5.37	5.37	5.37	5.37	5.27	5.47
Endosulfan I	5.11	5.11	5.11	5.11	5.11	5.11	5.01	5.21
Endosulfan II	5.94	5.94	5.94	5.94	5.94	5.94	5.84	6.04
Endosulfan sulfate	6.35	6.35	6.34	6.34	6.35	6.34	6.24	6.44
Endrin	5.65	5.65	5.65	5.65	5.65	5.65	5.55	5.75
Endrin aldehyde	6.12	6.12	6.12	6.12	6.12	6.12	6.02	6.22
Endrin ketone	6.85	6.85	6.85	6.85	6.85	6.85	6.75	6.95
gamma-BHC (Lindane)	3.62	3.62	3.62	3.62	3.62	3.62	3.52	3.72
gamma-Chlordane	4.99	4.99	4.99	4.99	4.99	4.99	4.89	5.09
Heptachlor	3.96	3.96	3.96	3.96	3.96	3.95	3.85	4.05
Heptachlor epoxide	4.74	4.74	4.74	4.74	4.74	4.74	4.64	4.84
Methoxychlor	6.62	6.62	6.62	6.62	6.62	6.62	6.52	6.72
Tetrachloro-m-xylene	2.78	2.78	2.78	2.78	2.78	2.78	2.68	2.88

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Instrument ID: ECD_L

Calibration Date(s): 09/23/2024 09/23/2024

Calibration Times: 11:32 12:26

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

LAB FILE ID: **CF 100 =** PL091956.D **CF 075 =** PL091957.D

CF 050 = PL091958.D **CF 025 =** PL091959.D **CF 005 =** PL091960.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	1653520000	1647210000	1678500000	1744800000	2254540000	1795720000	14
4,4'-DDE	2066570000	2045910000	2071830000	2104470000	2533330000	2164420000	10
4,4'-DDT	1733900000	1735380000	1754170000	1804510000	2178050000	1841200000	10
Aldrin	2641050000	2607180000	2641830000	2690200000	3307680000	2777590000	11
alpha-BHC	3076620000	3010330000	2985720000	2963000000	3446930000	3096520000	6
alpha-Chlordane	2305920000	2301860000	2353960000	2423920000	2931020000	2463340000	11
beta-BHC	1233660000	1235340000	1269540000	1303030000	1590300000	1326380000	11
Decachlorobiphenyl	1514180000	1546290000	1590790000	1642930000	1896960000	1638230000	9
delta-BHC	2841210000	2757590000	2778760000	2797400000	3246070000	2884210000	7
Dieldrin	2300240000	2292130000	2329590000	2380410000	2891930000	2438860000	10
Endosulfan I	2149020000	2152500000	2207300000	2283480000	2774700000	2313400000	11
Endosulfan II	1992660000	2006240000	2063200000	2160930000	2775610000	2199730000	15
Endosulfan sulfate	1820440000	1836620000	1889410000	1967750000	2397160000	1982280000	12
Endrin	1940880000	1934170000	1971650000	2016300000	2440480000	2060700000	10
Endrin aldehyde	1583540000	1604430000	1647320000	1720460000	2158080000	1742760000	14
Endrin ketone	2055570000	2058040000	2104700000	2152580000	2616930000	2197560000	11
gamma-BHC (Lindane)	2990410000	2948600000	2949110000	2954630000	3651280000	3098800000	10
gamma-Chlordane	2323480000	2305690000	2357460000	2423400000	2945970000	2471200000	11
Heptachlor	2590450000	2581810000	2624270000	2731930000	3298830000	2765460000	11
Heptachlor epoxide	2355250000	2419410000	2410600000	2493740000	3045980000	2544990000	11
Methoxychlor	913738000	926950000	954169000	973623000	1140080000	981712000	9
Tetrachloro-m-xylene	2128490000	2125270000	2145440000	2197480000	2526630000	2224660000	8

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Instrument ID: ECD_L **Calibration Date(s):** 09/23/2024 09/23/2024

Calibration Times: 11:32 12:26

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

LAB FILE ID: **CF 100 =** PL091956.D **CF 075 =** PL091957.D

CF 050 = PL091958.D **CF 025 =** PL091959.D **CF 005 =** PL091960.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	2268160000	2177660000	2139850000	1992930000	2102490000	2136220000	5
4,4'-DDE	2937140000	2821610000	2796600000	2614820000	2724050000	2778840000	4
4,4'-DDT	2455710000	2371160000	2329540000	2184000000	2225420000	2313160000	5
Aldrin	3593290000	3455480000	3419630000	3175270000	3361830000	3401100000	4
alpha-BHC	3937530000	3786440000	3690070000	3414870000	3387720000	3643320000	7
alpha-Chlordane	3085390000	2983970000	2990310000	2841400000	3066630000	2993540000	3
beta-BHC	1482940000	1448440000	1465850000	1419920000	1698340000	1503100000	7
Decachlorobiphenyl	2374340000	2399600000	2428470000	2478660000	2828640000	2501940000	7
delta-BHC	3726380000	3579670000	3509320000	3229840000	3313260000	3471690000	6
Dieldrin	3085830000	2978040000	2947180000	2759020000	2889140000	2931840000	4
Endosulfan I	2816250000	2735830000	2741360000	2613670000	2816080000	2744640000	3
Endosulfan II	2561230000	2497720000	2506550000	2398770000	2547770000	2502410000	3
Endosulfan sulfate	2442810000	2382500000	2402520000	2314600000	2520170000	2412520000	3
Endrin	2724440000	2642180000	2624570000	2477520000	2642190000	2622180000	3
Endrin aldehyde	2035320000	2004480000	2019970000	1971180000	2172650000	2040720000	4
Endrin ketone	2811580000	2766230000	2778840000	2679690000	2808370000	2768950000	2
gamma-BHC (Lindane)	3775710000	3629090000	3577820000	3312530000	3359720000	3530980000	5
gamma-Chlordane	3135810000	3020590000	3008060000	2840920000	3037500000	3008580000	4
Heptachlor	3553790000	3434350000	3431490000	3238430000	3595010000	3450610000	4
Heptachlor epoxide	3090900000	2996730000	3012410000	2873000000	3141390000	3022890000	3
Methoxychlor	1228030000	1222750000	1234080000	1223180000	1343690000	1250350000	4
Tetrachloro-m-xylene	2544530000	2497760000	2476670000	2384990000	2636430000	2508080000	4

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Instrument ID: ECD_L **Date(s) Analyzed:** 09/23/2024 09/23/2024

GC Column: ZB-MR2 **ID:** 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Toxaphene	500	1	6.24	6.14	6.34	22665300
		2	6.45	6.35	6.55	13922000
		3	7.06	6.96	7.16	70960500
		4	7.15	7.05	7.25	53851200
		5	7.94	7.84	8.04	39727000

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Instrument ID: ECD_L **Date(s) Analyzed:** 09/23/2024 09/23/2024

GC Column: ZB-MR1 **ID:** 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Toxaphene	500	1	5.01	4.91	5.11	18093600
		2	5.34	5.24	5.44	17271700
		3	6.61	6.51	6.71	63995900
		4	6.74	6.64	6.84	88666300
		5	7.05	6.95	7.15	60349700

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CALIBRATION VERIFICATION SUMMARY

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Continuing Calib Date: 10/11/2024 **Initial Calibration Date(s):** 09/23/2024 09/23/2024

Continuing Calib Time: 11:54 **Initial Calibration Time(s):** 11:32 12:26

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.06	9.06	8.96	9.16	0.00
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.53	4.53	4.43	4.63	0.00
delta-BHC	4.77	4.78	4.68	4.88	0.01
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.92	4.92	4.82	5.02	0.00
Aldrin	5.26	5.26	5.16	5.36	0.00
Heptachlor epoxide	5.68	5.69	5.59	5.79	0.01
Endosulfan I	6.07	6.08	5.98	6.18	0.01
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.19	6.20	6.10	6.30	0.01
Endrin	6.58	6.58	6.48	6.68	0.00
Endosulfan II	6.80	6.80	6.70	6.90	0.00
4,4'-DDD	6.71	6.71	6.61	6.81	0.00
Endosulfan sulfate	7.16	7.16	7.06	7.26	0.00
4,4'-DDT	7.03	7.03	6.93	7.13	0.00
Methoxychlor	7.50	7.50	7.40	7.60	0.00
Endrin ketone	7.65	7.65	7.55	7.75	0.00
Endrin aldehyde	6.93	6.93	6.83	7.03	0.00
alpha-Chlordane	6.02	6.02	5.92	6.12	0.00
gamma-Chlordane	5.94	5.95	5.85	6.05	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Continuing Calib Date: 10/11/2024 **Initial Calibration Date(s):** 09/23/2024 09/23/2024

Continuing Calib Time: 11:54 **Initial Calibration Time(s):** 11:32 12:26

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	7.92	7.92	7.82	8.02	0.00
Tetrachloro-m-xylene	2.78	2.78	2.68	2.88	0.00
alpha-BHC	3.28	3.29	3.19	3.39	0.01
beta-BHC	3.91	3.92	3.82	4.02	0.01
delta-BHC	4.14	4.15	4.05	4.25	0.01
gamma-BHC (Lindane)	3.61	3.62	3.52	3.72	0.01
Heptachlor	3.95	3.96	3.86	4.06	0.01
Aldrin	4.23	4.24	4.14	4.34	0.01
Heptachlor epoxide	4.73	4.74	4.64	4.84	0.01
Endosulfan I	5.10	5.11	5.01	5.21	0.01
Dieldrin	5.37	5.37	5.27	5.47	0.00
4,4'-DDE	5.23	5.24	5.14	5.34	0.01
Endrin	5.64	5.65	5.55	5.75	0.01
Endosulfan II	5.94	5.94	5.84	6.04	0.00
4,4'-DDD	5.79	5.80	5.70	5.90	0.01
Endosulfan sulfate	6.34	6.34	6.24	6.44	0.00
4,4'-DDT	6.04	6.05	5.95	6.15	0.01
Methoxychlor	6.62	6.62	6.52	6.72	0.00
Endrin ketone	6.84	6.85	6.75	6.95	0.01
Endrin aldehyde	6.12	6.12	6.02	6.22	0.00
alpha-Chlordane	5.05	5.05	4.95	5.15	0.00
gamma-Chlordane	4.98	4.99	4.89	5.09	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 09/23/2024 09/23/2024

Client Sample No.: CCAL01 **Date Analyzed:** 10/11/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL092330.D **Time Analyzed:** 11:54

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.710	6.614	6.814	53.460	50.000	6.9
4,4'-DDE	6.194	6.097	6.297	52.750	50.000	5.5
4,4'-DDT	7.026	6.928	7.128	52.610	50.000	5.2
Aldrin	5.259	5.163	5.363	51.260	50.000	2.5
alpha-BHC	3.996	3.899	4.099	52.740	50.000	5.5
alpha-Chlordane	6.019	5.924	6.124	51.550	50.000	3.1
beta-BHC	4.525	4.429	4.629	51.990	50.000	4.0
Decachlorobiphenyl	9.059	8.960	9.160	55.090	50.000	10.2
delta-BHC	4.773	4.677	4.877	52.840	50.000	5.7
Dieldrin	6.346	6.249	6.449	51.740	50.000	3.5
Endosulfan I	6.071	5.975	6.175	54.100	50.000	8.2
Endosulfan II	6.796	6.698	6.898	50.260	50.000	0.5
Endosulfan sulfate	7.161	7.063	7.263	51.970	50.000	3.9
Endrin	6.576	6.479	6.679	51.260	50.000	2.5
Endrin aldehyde	6.926	6.828	7.028	51.670	50.000	3.3
Endrin ketone	7.646	7.548	7.748	52.510	50.000	5.0
gamma-BHC (Lindane)	4.328	4.232	4.432	51.140	50.000	2.3
gamma-Chlordane	5.940	5.845	6.045	51.870	50.000	3.7
Heptachlor	4.917	4.820	5.020	52.270	50.000	4.5
Heptachlor epoxide	5.684	5.589	5.789	53.130	50.000	6.3
Methoxychlor	7.502	7.404	7.604	54.430	50.000	8.9
Tetrachloro-m-xylene	3.540	3.444	3.644	52.510	50.000	5.0

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CALIBRATION VERIFICATION SUMMARY

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 09/23/2024 09/23/2024

Client Sample No.: CCAL01 **Date Analyzed:** 10/11/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL092330.D **Time Analyzed:** 11:54

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.791	5.696	5.896	58.370	50.000	16.7
4,4'-DDE	5.234	5.141	5.341	56.900	50.000	13.8
4,4'-DDT	6.041	5.946	6.146	54.730	50.000	9.5
Aldrin	4.229	4.135	4.335	54.360	50.000	8.7
alpha-BHC	3.281	3.186	3.386	54.900	50.000	9.8
alpha-Chlordane	5.046	4.952	5.152	54.300	50.000	8.6
beta-BHC	3.910	3.815	4.015	53.590	50.000	7.2
Decachlorobiphenyl	7.919	7.823	8.023	53.150	50.000	6.3
delta-BHC	4.138	4.045	4.245	55.480	50.000	11.0
Dieldrin	5.367	5.272	5.472	55.180	50.000	10.4
Endosulfan I	5.102	5.008	5.208	48.570	50.000	-2.9
Endosulfan II	5.938	5.842	6.042	55.090	50.000	10.2
Endosulfan sulfate	6.340	6.244	6.444	54.710	50.000	9.4
Endrin	5.642	5.548	5.748	54.170	50.000	8.3
Endrin aldehyde	6.117	6.022	6.222	54.520	50.000	9.0
Endrin ketone	6.844	6.750	6.950	56.540	50.000	13.1
gamma-BHC (Lindane)	3.611	3.516	3.716	54.380	50.000	8.8
gamma-Chlordane	4.982	4.888	5.088	54.910	50.000	9.8
Heptachlor	3.950	3.855	4.055	53.910	50.000	7.8
Heptachlor epoxide	4.732	4.638	4.838	53.980	50.000	8.0
Methoxychlor	6.616	6.521	6.721	54.680	50.000	9.4
Tetrachloro-m-xylene	2.778	2.682	2.882	53.400	50.000	6.8

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CALIBRATION VERIFICATION SUMMARY

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Continuing Calib Date: 10/11/2024 **Initial Calibration Date(s):** 09/23/2024 09/23/2024

Continuing Calib Time: 17:48 **Initial Calibration Time(s):** 11:32 12:26

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.06	9.06	8.96	9.16	0.00
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.53	4.53	4.43	4.63	0.00
delta-BHC	4.78	4.78	4.68	4.88	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.92	4.92	4.82	5.02	0.00
Aldrin	5.26	5.26	5.16	5.36	0.00
Heptachlor epoxide	5.69	5.69	5.59	5.79	0.00
Endosulfan I	6.08	6.08	5.98	6.18	0.00
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.20	6.20	6.10	6.30	0.00
Endrin	6.58	6.58	6.48	6.68	0.00
Endosulfan II	6.80	6.80	6.70	6.90	0.00
4,4'-DDD	6.71	6.71	6.61	6.81	0.00
Endosulfan sulfate	7.16	7.16	7.06	7.26	0.00
4,4'-DDT	7.03	7.03	6.93	7.13	0.00
Methoxychlor	7.51	7.50	7.40	7.60	-0.01
Endrin ketone	7.65	7.65	7.55	7.75	0.00
Endrin aldehyde	6.93	6.93	6.83	7.03	0.00
alpha-Chlordane	6.03	6.02	5.92	6.12	-0.01
gamma-Chlordane	5.95	5.95	5.85	6.05	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Continuing Calib Date: 10/11/2024 **Initial Calibration Date(s):** 09/23/2024 09/23/2024

Continuing Calib Time: 17:48 **Initial Calibration Time(s):** 11:32 12:26

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	7.92	7.92	7.82	8.02	0.00
Tetrachloro-m-xylene	2.78	2.78	2.68	2.88	0.00
alpha-BHC	3.28	3.29	3.19	3.39	0.01
beta-BHC	3.91	3.92	3.82	4.02	0.01
delta-BHC	4.14	4.15	4.05	4.25	0.01
gamma-BHC (Lindane)	3.61	3.62	3.52	3.72	0.01
Heptachlor	3.95	3.96	3.86	4.06	0.01
Aldrin	4.23	4.24	4.14	4.34	0.01
Heptachlor epoxide	4.74	4.74	4.64	4.84	0.00
Endosulfan I	5.10	5.11	5.01	5.21	0.01
Dieldrin	5.37	5.37	5.27	5.47	0.00
4,4'-DDE	5.24	5.24	5.14	5.34	0.00
Endrin	5.65	5.65	5.55	5.75	0.01
Endosulfan II	5.94	5.94	5.84	6.04	0.00
4,4'-DDD	5.79	5.80	5.70	5.90	0.01
Endosulfan sulfate	6.34	6.34	6.24	6.44	0.00
4,4'-DDT	6.04	6.05	5.95	6.15	0.01
Methoxychlor	6.62	6.62	6.52	6.72	0.00
Endrin ketone	6.85	6.85	6.75	6.95	0.00
Endrin aldehyde	6.12	6.12	6.02	6.22	0.00
alpha-Chlordane	5.05	5.05	4.95	5.15	0.00
gamma-Chlordane	4.98	4.99	4.89	5.09	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 09/23/2024 09/23/2024

Client Sample No.: CCAL02 **Date Analyzed:** 10/11/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL092347.D **Time Analyzed:** 17:48

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.714	6.614	6.814	50.090	50.000	0.2
4,4'-DDE	6.198	6.097	6.297	49.040	50.000	-1.9
4,4'-DDT	7.029	6.928	7.128	46.250	50.000	-7.5
Aldrin	5.263	5.163	5.363	48.640	50.000	-2.7
alpha-BHC	4.000	3.899	4.099	50.680	50.000	1.4
alpha-Chlordane	6.025	5.924	6.124	48.780	50.000	-2.4
beta-BHC	4.530	4.429	4.629	49.240	50.000	-1.5
Decachlorobiphenyl	9.062	8.960	9.160	48.480	50.000	-3.0
delta-BHC	4.777	4.677	4.877	50.290	50.000	0.6
Dieldrin	6.351	6.249	6.449	47.990	50.000	-4.0
Endosulfan I	6.076	5.975	6.175	48.510	50.000	-3.0
Endosulfan II	6.800	6.698	6.898	45.520	50.000	-9.0
Endosulfan sulfate	7.164	7.063	7.263	47.180	50.000	-5.6
Endrin	6.579	6.479	6.679	46.970	50.000	-6.1
Endrin aldehyde	6.931	6.828	7.028	46.650	50.000	-6.7
Endrin ketone	7.649	7.548	7.748	47.620	50.000	-4.8
gamma-BHC (Lindane)	4.332	4.232	4.432	48.830	50.000	-2.3
gamma-Chlordane	5.945	5.845	6.045	47.960	50.000	-4.1
Heptachlor	4.922	4.820	5.020	49.860	50.000	-0.3
Heptachlor epoxide	5.690	5.589	5.789	49.360	50.000	-1.3
Methoxychlor	7.505	7.404	7.604	48.210	50.000	-3.6
Tetrachloro-m-xylene	3.544	3.444	3.644	50.410	50.000	0.8

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CALIBRATION VERIFICATION SUMMARY

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 09/23/2024 09/23/2024

Client Sample No.: CCAL02 **Date Analyzed:** 10/11/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL092347.D **Time Analyzed:** 17:48

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.793	5.696	5.896	56.110	50.000	12.2
4,4'-DDE	5.236	5.141	5.341	52.770	50.000	5.5
4,4'-DDT	6.044	5.946	6.146	47.860	50.000	-4.3
Aldrin	4.230	4.135	4.335	51.730	50.000	3.5
alpha-BHC	3.282	3.186	3.386	52.640	50.000	5.3
alpha-Chlordane	5.048	4.952	5.152	50.970	50.000	1.9
beta-BHC	3.911	3.815	4.015	50.680	50.000	1.4
Decachlorobiphenyl	7.921	7.823	8.023	45.400	50.000	-9.2
delta-BHC	4.141	4.045	4.245	53.940	50.000	7.9
Dieldrin	5.369	5.272	5.472	50.980	50.000	2.0
Endosulfan I	5.104	5.008	5.208	50.400	50.000	0.8
Endosulfan II	5.940	5.842	6.042	50.720	50.000	1.4
Endosulfan sulfate	6.342	6.244	6.444	49.690	50.000	-0.6
Endrin	5.645	5.548	5.748	50.020	50.000	0.0
Endrin aldehyde	6.119	6.022	6.222	49.550	50.000	-0.9
Endrin ketone	6.848	6.750	6.950	49.250	50.000	-1.5
gamma-BHC (Lindane)	3.612	3.516	3.716	51.940	50.000	3.9
gamma-Chlordane	4.984	4.888	5.088	51.480	50.000	3.0
Heptachlor	3.951	3.855	4.055	50.810	50.000	1.6
Heptachlor epoxide	4.735	4.638	4.838	51.060	50.000	2.1
Methoxychlor	6.618	6.521	6.721	47.490	50.000	-5.0
Tetrachloro-m-xylene	2.779	2.682	2.882	52.200	50.000	4.4

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PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 09/23/2024 09/23/2024

Client Sample No. (PEM): PEM - PL091954.D **Date Analyzed:** 09/23/2024

Lab Sample No.(PEM): PEM **Time Analyzed:** 11:05

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.061	8.960	9.160	19.830	20.000	-0.9
Tetrachloro-m-xylene	3.544	3.490	3.590	20.070	20.000	0.4
alpha-BHC	3.999	3.950	4.050	10.180	10.000	1.8
beta-BHC	4.529	4.480	4.580	10.750	10.000	7.5
gamma-BHC (Lindane)	4.332	4.280	4.380	10.100	10.000	1.0
Endrin	6.579	6.510	6.650	43.290	50.000	-13.4
4,4'-DDT	7.028	6.960	7.100	90.240	100.000	-9.8
Methoxychlor	7.504	7.430	7.570	212.390	250.000	-15.0

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 09/23/2024 09/23/2024

Client Sample No. (PEM): PEM - PL091954.D **Date Analyzed:** 09/23/2024

Lab Sample No.(PEM): PEM **Time Analyzed:** 11:05

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.923	7.820	8.020	19.350	20.000	-3.3
Tetrachloro-m-xylene	2.782	2.730	2.830	19.290	20.000	-3.6
alpha-BHC	3.285	3.230	3.340	9.220	10.000	-7.8
beta-BHC	3.915	3.860	3.970	10.540	10.000	5.4
gamma-BHC (Lindane)	3.616	3.570	3.670	8.880	10.000	-11.2
Endrin	5.648	5.580	5.720	46.450	50.000	-7.1
4,4'-DDT	6.047	5.980	6.120	104.950	100.000	5.0
Methoxychlor	6.621	6.550	6.690	232.550	250.000	-7.0

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PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 09/23/2024 09/23/2024

Client Sample No. (PEM): PEM - PL092320.D **Date Analyzed:** 10/11/2024

Lab Sample No.(PEM): PEM **Time Analyzed:** 08:56

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.059	8.960	9.160	22.700	20.000	13.5
Tetrachloro-m-xylene	3.540	3.490	3.590	22.460	20.000	12.3
alpha-BHC	3.995	3.940	4.050	11.450	10.000	14.5
beta-BHC	4.525	4.470	4.580	11.980	10.000	19.8
gamma-BHC (Lindane)	4.328	4.280	4.380	10.840	10.000	8.4
Endrin	6.575	6.500	6.650	45.920	50.000	-8.2
4,4'-DDT	7.025	6.950	7.100	96.120	100.000	-3.9
Methoxychlor	7.503	7.430	7.570	231.460	250.000	-7.4

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 09/23/2024 09/23/2024

Client Sample No. (PEM): PEM - PL092320.D **Date Analyzed:** 10/11/2024

Lab Sample No.(PEM): PEM **Time Analyzed:** 08:56

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.919	7.820	8.020	20.990	20.000	5.0
Tetrachloro-m-xylene	2.778	2.730	2.830	21.410	20.000	7.1
alpha-BHC	3.281	3.230	3.330	10.130	10.000	1.3
beta-BHC	3.911	3.860	3.960	11.680	10.000	16.8
gamma-BHC (Lindane)	3.611	3.560	3.660	9.770	10.000	-2.3
Endrin	5.643	5.570	5.710	48.200	50.000	-3.6
4,4'-DDT	6.042	5.970	6.110	108.430	100.000	8.4
Methoxychlor	6.617	6.550	6.690	243.010	250.000	-2.8

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Analytical Sequence

Client: Roman E&G Corp **SDG No.:** P4258

Project: Perth Amboy **Instrument ID:** ECD_L

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 09/23/2024 09/23/2024

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	09/23/2024	10:52	PL091953.D	9.06	3.54
PEM	PEM	09/23/2024	11:05	PL091954.D	9.06	3.54
RESCHK	RESCHK	09/23/2024	11:19	PL091955.D	9.06	3.54
PSTDICC100	PSTDICC100	09/23/2024	11:32	PL091956.D	9.06	3.54
PSTDICC075	PSTDICC075	09/23/2024	11:45	PL091957.D	9.06	3.54
PSTDICC050	PSTDICC050	09/23/2024	11:59	PL091958.D	9.06	3.54
PSTDICC025	PSTDICC025	09/23/2024	12:12	PL091959.D	9.06	3.54
PSTDICC005	PSTDICC005	09/23/2024	12:26	PL091960.D	9.06	3.54
PCHLORICC500	PCHLORICC500	09/23/2024	13:06	PL091963.D	9.06	3.54
PTOXICC500	PTOXICC500	09/23/2024	14:13	PL091968.D	9.06	3.54
PEM	PEM	10/11/2024	08:56	PL092320.D	9.06	3.54
I.BLK	I.BLK	10/11/2024	11:40	PL092329.D	9.06	3.54
PSTDCCC050	PSTDCCC050	10/11/2024	11:54	PL092330.D	9.06	3.54
PB164067BL	PB164067BL	10/11/2024	13:24	PL092331.D	9.07	3.55
PB164067BS	PB164067BS	10/11/2024	13:37	PL092332.D	9.06	3.54
Chamberlain Ave	P4258-03	10/11/2024	13:51	PL092333.D	9.06	3.54
SP-2MS	P4385-04MS	10/11/2024	14:31	PL092336.D	9.06	3.54
SP-2MSD	P4385-04MSD	10/11/2024	14:44	PL092337.D	9.06	3.54
I.BLK	I.BLK	10/11/2024	17:31	PL092346.D	9.06	3.54
PSTDCCC050	PSTDCCC050	10/11/2024	17:48	PL092347.D	9.06	3.54

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Analytical Sequence

Client: Roman E&G Corp **SDG No.:** P4258

Project: Perth Amboy **Instrument ID:** ECD_L

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 09/23/2024 09/23/2024

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	09/23/2024	10:52	PL091953.D	7.92	2.78
PEM	PEM	09/23/2024	11:05	PL091954.D	7.92	2.78
RESCHK	RESCHK	09/23/2024	11:19	PL091955.D	7.92	2.78
PSTDICC100	PSTDICC100	09/23/2024	11:32	PL091956.D	7.92	2.78
PSTDICC075	PSTDICC075	09/23/2024	11:45	PL091957.D	7.92	2.78
PSTDICC050	PSTDICC050	09/23/2024	11:59	PL091958.D	7.92	2.78
PSTDICC025	PSTDICC025	09/23/2024	12:12	PL091959.D	7.92	2.78
PSTDICC005	PSTDICC005	09/23/2024	12:26	PL091960.D	7.92	2.78
PCHLORICC500	PCHLORICC500	09/23/2024	13:06	PL091963.D	7.92	2.78
PTOXICC500	PTOXICC500	09/23/2024	14:13	PL091968.D	7.92	2.78
PEM	PEM	10/11/2024	08:56	PL092320.D	7.92	2.78
I.BLK	I.BLK	10/11/2024	11:40	PL092329.D	7.92	2.78
PSTDCCC050	PSTDCCC050	10/11/2024	11:54	PL092330.D	7.92	2.78
PB164067BL	PB164067BL	10/11/2024	13:24	PL092331.D	7.92	2.78
PB164067BS	PB164067BS	10/11/2024	13:37	PL092332.D	7.92	2.78
Chamberlain Ave	P4258-03	10/11/2024	13:51	PL092333.D	7.92	2.78
SP-2MS	P4385-04MS	10/11/2024	14:31	PL092336.D	7.92	2.78
SP-2MSD	P4385-04MSD	10/11/2024	14:44	PL092337.D	7.92	2.78
I.BLK	I.BLK	10/11/2024	17:31	PL092346.D	7.92	2.78
PSTDCCC050	PSTDCCC050	10/11/2024	17:48	PL092347.D	7.92	2.78

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

Chamberlain Ave

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Lab Sample ID: P4258-03 **Date(s) Analyzed:** 10/11/2024 10/11/2024

Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L

GC Column: (1): ZB-MR2 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR1 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDE	1	6.19	6.14	6.24	0.27	13.3
	2	5.24	5.19	5.29	0.31	
4,4'-DDT	1	7.02	6.97	7.07	0.25	73.9
	2	6.04	5.99	6.09	0.54	
alpha-Chlordane	1	6.02	5.97	6.07	0.80	100.7
	2	5.05	5.00	5.10	0.26	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.
PB164067BS

Contract: ROMA02
Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258
Lab Sample ID: PB164067BS **Date(s) Analyzed:** 10/11/2024 10/11/2024
Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L
GC Column: (1): ZB-MR2 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR1 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endosulfan II	1	6.80	6.75	6.85	15.7	10.8
	2	5.94	5.89	5.99	17.5	
4,4'-DDD	1	6.71	6.66	6.76	17.3	8.8
	2	5.79	5.74	5.84	18.9	
4,4'-DDT	1	7.03	6.98	7.08	16.2	0
	2	6.04	5.99	6.09	16.2	
Endrin aldehyde	1	6.93	6.88	6.98	15.8	4.9
	2	6.12	6.07	6.17	16.6	
Endosulfan sulfate	1	7.16	7.11	7.21	16.3	4.8
	2	6.34	6.29	6.39	17.1	
Methoxychlor	1	7.50	7.45	7.55	16.3	1.9
	2	6.62	6.57	6.67	16.0	
Endrin ketone	1	7.65	7.60	7.70	16.6	4.7
	2	6.85	6.80	6.90	17.4	
alpha-BHC	1	4.00	3.95	4.05	16.2	3.6
	2	3.28	3.23	3.33	16.8	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	15.4	5.1
	2	3.61	3.56	3.66	16.2	
Heptachlor	1	4.92	4.87	4.97	16.3	2.4
	2	3.95	3.90	4.00	16.7	
Aldrin	1	5.26	5.21	5.31	15.6	3.8
	2	4.23	4.18	4.28	16.2	
beta-BHC	1	4.53	4.48	4.58	16.3	3
	2	3.91	3.86	3.96	16.8	
delta-BHC	1	4.77	4.72	4.82	15.9	3.1
	2	4.14	4.09	4.19	16.4	
Heptachlor epoxide	1	5.69	5.64	5.74	16.0	7.8
	2	4.73	4.68	4.78	17.3	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB164067BS

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Lab Sample ID: PB164067BS **Date(s) Analyzed:** 10/11/2024 10/11/2024

Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L

GC Column: (1): ZB-MR2 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR1 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endosulfan I	1	6.07	6.02	6.12	16.1	6.6
	2	5.10	5.05	5.15	17.2	
gamma-Chlordane	1	5.94	5.89	5.99	16.3	6.5
	2	4.98	4.93	5.03	17.4	
alpha-Chlordane	1	6.02	5.97	6.07	16.4	4.8
	2	5.05	5.00	5.10	17.2	
4,4'-DDE	1	6.20	6.15	6.25	16.5	6.5
	2	5.24	5.19	5.29	17.6	
Dieldrin	1	6.35	6.30	6.40	16.1	7.2
	2	5.37	5.32	5.42	17.3	
Endrin	1	6.58	6.53	6.63	15.5	5
	2	5.64	5.59	5.69	16.3	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

SP-2MS

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Lab Sample ID: P4385-04MS **Date(s) Analyzed:** 10/11/2024 10/11/2024

Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L

GC Column: (1): ZB-MR2 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR1 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endosulfan II	1	6.80	6.75	6.85	15.1	5.8
	2	5.94	5.89	5.99	16.0	
4,4'-DDD	1	6.71	6.66	6.76	19.2	5.3
	2	5.79	5.74	5.84	18.2	
4,4'-DDT	1	7.03	6.98	7.08	37.0	7.5
	2	6.04	5.99	6.09	39.9	
Endrin aldehyde	1	6.93	6.88	6.98	14.8	9.6
	2	6.12	6.07	6.17	16.3	
Endosulfan sulfate	1	7.16	7.11	7.21	15.6	3.2
	2	6.34	6.29	6.39	16.1	
Methoxychlor	1	7.50	7.45	7.55	15.5	5
	2	6.62	6.57	6.67	16.3	
Endrin ketone	1	7.65	7.60	7.70	21.2	29.8
	2	6.85	6.80	6.90	15.7	
alpha-BHC	1	4.00	3.95	4.05	15.2	2.6
	2	3.28	3.23	3.33	15.6	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	14.6	4
	2	3.61	3.56	3.66	15.2	
Heptachlor	1	4.92	4.87	4.97	16.0	0
	2	3.95	3.90	4.00	16.0	
Aldrin	1	5.26	5.21	5.31	14.5	5.4
	2	4.23	4.18	4.28	15.3	
beta-BHC	1	4.53	4.48	4.58	15.6	2.5
	2	3.91	3.86	3.96	16.0	
delta-BHC	1	4.77	4.72	4.82	14.6	0.7
	2	4.14	4.09	4.19	14.7	
Heptachlor epoxide	1	5.69	5.64	5.74	15.5	0
	2	4.73	4.68	4.78	15.5	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

SP-2MS

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Lab Sample ID: P4385-04MS **Date(s) Analyzed:** 10/11/2024 10/11/2024

Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L

GC Column: (1): ZB-MR2 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR1 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endosulfan I	1	6.07	6.02	6.12	15.6	0.6
	2	5.10	5.05	5.15	15.5	
gamma-Chlordane	1	5.94	5.89	5.99	16.4	1.8
	2	4.98	4.93	5.03	16.1	
alpha-Chlordane	1	6.02	5.97	6.07	15.9	0
	2	5.05	5.00	5.10	15.9	
4,4'-DDE	1	6.19	6.14	6.24	38.6	10.8
	2	5.24	5.19	5.29	43.0	
Dieldrin	1	6.35	6.30	6.40	15.7	6.2
	2	5.37	5.32	5.42	16.7	
Endrin	1	6.58	6.53	6.63	15.2	10.6
	2	5.64	5.59	5.69	16.9	

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

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

SP-2MSD

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Lab Sample ID: P4385-04MSD **Date(s) Analyzed:** 10/11/2024 10/11/2024

Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L

GC Column: (1): ZB-MR2 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR1 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDD	1	6.71	6.66	6.76	18.9	3.2
	2	5.79	5.74	5.84	18.3	
4,4'-DDT	1	7.03	6.98	7.08	36.4	8.7
	2	6.04	5.99	6.09	39.7	
Endrin aldehyde	1	6.93	6.88	6.98	14.6	10.4
	2	6.12	6.07	6.17	16.2	
Endosulfan sulfate	1	7.16	7.11	7.21	15.4	4.4
	2	6.34	6.29	6.39	16.1	
Methoxychlor	1	7.50	7.45	7.55	15.6	3.8
	2	6.62	6.57	6.67	16.2	
Endrin ketone	1	7.64	7.59	7.69	22.6	36
	2	6.85	6.80	6.90	15.7	
alpha-BHC	1	4.00	3.95	4.05	14.9	3.9
	2	3.28	3.23	3.33	15.5	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	14.5	4.1
	2	3.61	3.56	3.66	15.1	
Heptachlor	1	4.92	4.87	4.97	15.7	1.3
	2	3.95	3.90	4.00	15.9	
Aldrin	1	5.26	5.21	5.31	14.4	5.4
	2	4.23	4.18	4.28	15.2	
beta-BHC	1	4.53	4.48	4.58	15.4	2.6
	2	3.91	3.86	3.96	15.8	
delta-BHC	1	4.77	4.72	4.82	14.4	1.4
	2	4.14	4.09	4.19	14.6	
Heptachlor epoxide	1	5.69	5.64	5.74	15.2	2
	2	4.73	4.68	4.78	15.5	
Endosulfan I	1	6.07	6.02	6.12	15.4	0.6
	2	5.10	5.05	5.15	15.5	

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

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.
SP-2MSD

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Lab Sample ID: P4385-04MSD **Date(s) Analyzed:** 10/11/2024 10/11/2024

Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L

GC Column: (1): ZB-MR2 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR1 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
gamma-Chlordane	1	5.94	5.89	5.99	16.2	0.6
	2	4.98	4.93	5.03	16.1	
alpha-Chlordane	1	6.02	5.97	6.07	15.8	0.6
	2	5.05	5.00	5.10	15.9	
4,4'-DDE	1	6.19	6.14	6.24	38.4	12
	2	5.24	5.19	5.29	43.3	
Dieldrin	1	6.35	6.30	6.40	15.7	5.6
	2	5.37	5.32	5.42	16.6	
Endrin	1	6.57	6.52	6.62	15.0	11.3
	2	5.64	5.59	5.69	16.8	
Endosulfan II	1	6.80	6.75	6.85	15.0	6.5
	2	5.94	5.89	5.99	16.0	

SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL101224\
Data File : PL092333.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Oct 2024 13:51
Operator : AR\AJ
Sample : P4258-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
Chamberlain Ave

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 10/14/2024
Supervised By :Ankita Jodhani 10/14/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 14 02:33:58 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 16:44:57 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.538	2.778	44192412	48788821	19.865m	19.453
28)	SA Decachlor...	9.058	7.918	32236668	46689302	19.678m	18.661m
	Target Compounds						
6)	B beta-BHC	4.534	3.915	776216	825125	0.585m	0.549
10)	B gamma-Chl...	5.941	4.982	2690620	1143067	1.089m	0.380m#
11)	B alpha-Chl...	6.023	5.045	5068894	2046576	2.058m	0.684m#
12)	B 4,4'-DDE	6.193	5.236	1519937	2218167	0.702	0.798
16)	A 4,4'-DDD	6.715	5.792	821457	1523305	0.457m	0.713m#
17)	MA 4,4'-DDT	7.023	6.040	1170083	3219483	0.635m	1.392 #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

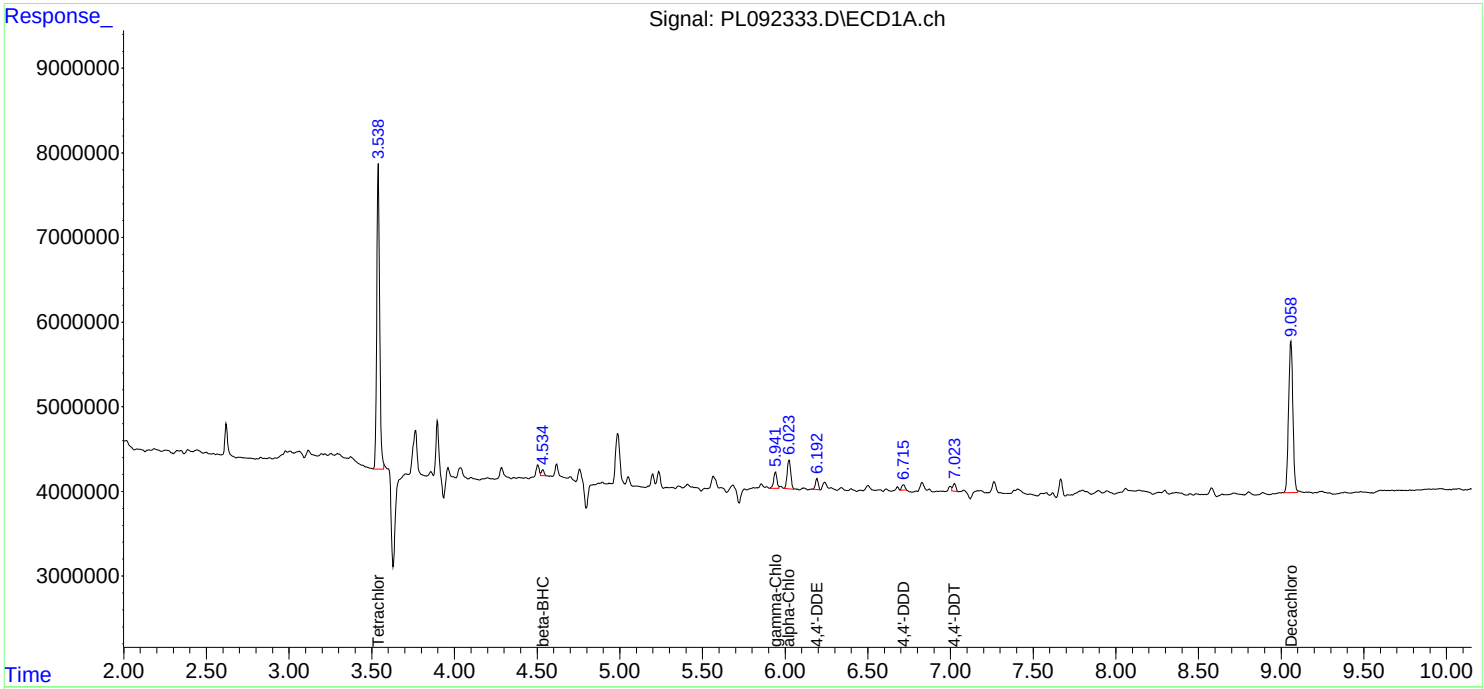
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL101224\
Data File : PL092333.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Oct 2024 13:51
Operator : AR\AJ
Sample : P4258-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

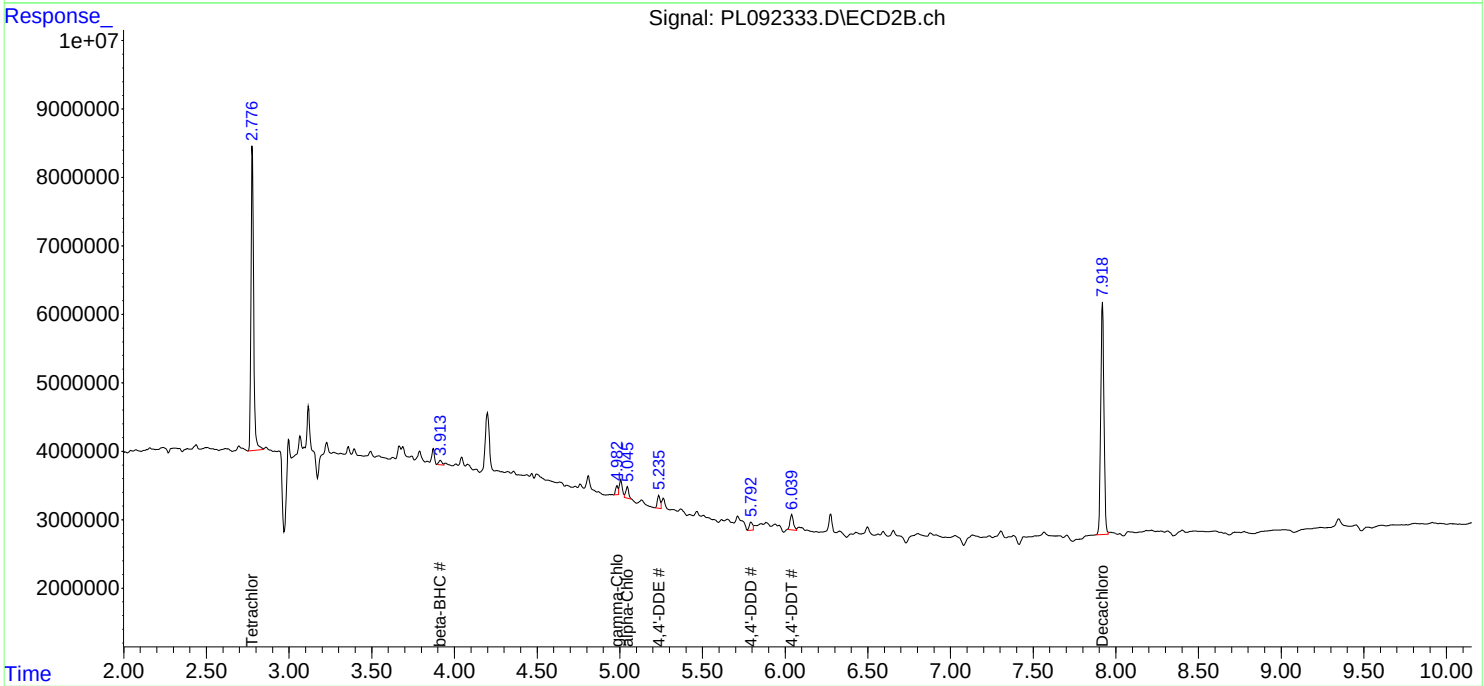
Instrument :
ECD_L
ClientSampleId :
Chamberlain Ave

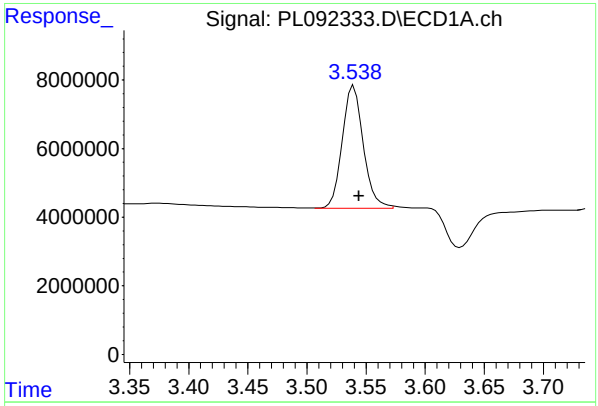
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 10/14/2024
Supervised By :Ankita Jodhani 10/14/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 14 02:33:58 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 16:44:57 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm







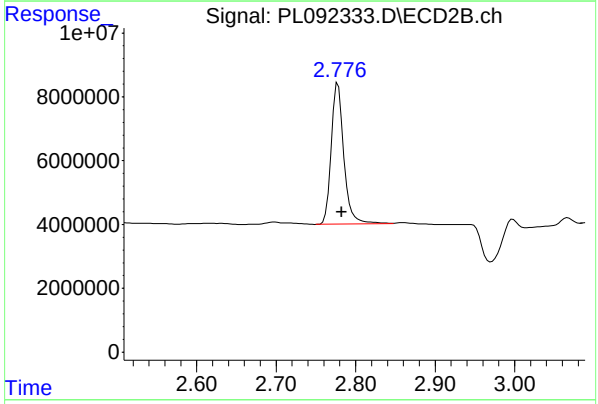
#1 Tetrachloro-m-xylene

R.T.: 3.538 min
Delta R.T.: -0.006 mi
Response: 44192412
Conc: 19.86 ng/ml

Instrument :
ECD_L
ClientSampleId :
Chamberlain Ave

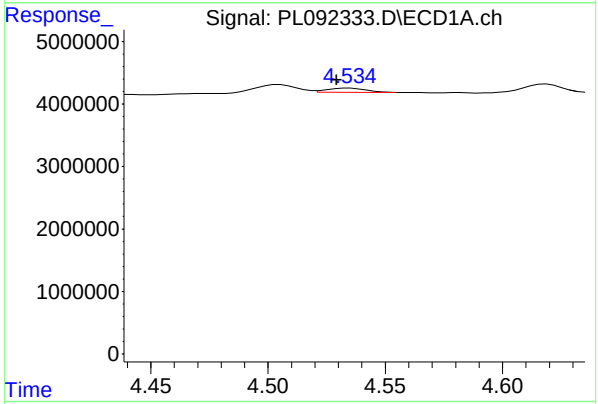
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/14/2024
Supervised By :Ankita Jodhani 10/14/2024



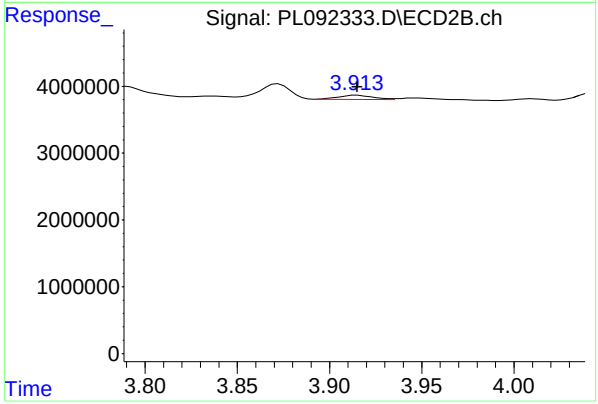
#1 Tetrachloro-m-xylene

R.T.: 2.778 min
Delta R.T.: -0.004 min
Response: 48788821
Conc: 19.45 ng/ml



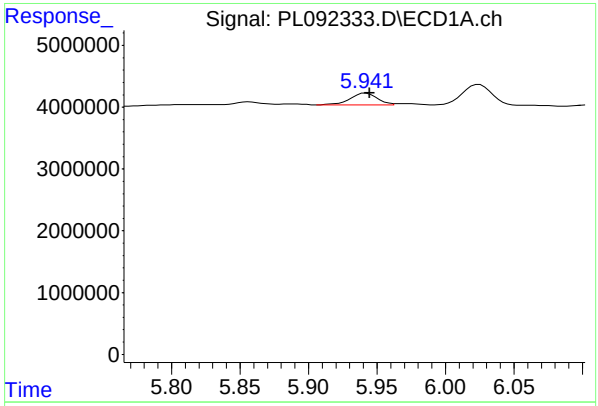
#6 beta-BHC

R.T.: 4.534 min
Delta R.T.: 0.004 min
Response: 776216
Conc: 0.59 ng/ml m



#6 beta-BHC

R.T.: 3.915 min
Delta R.T.: 0.000 min
Response: 825125
Conc: 0.55 ng/ml



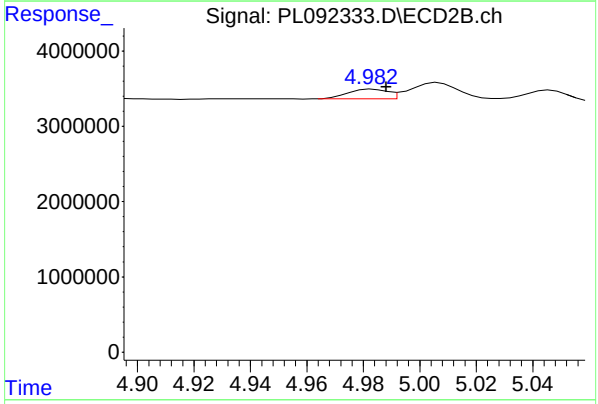
#10 gamma-Chlordane

R.T.: 5.941 min
Delta R.T.: -0.004 min
Response: 2690620
Conc: 1.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
Chamberlain Ave

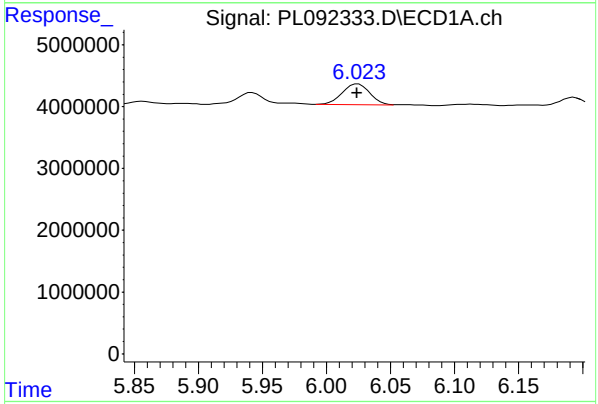
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/14/2024
Supervised By :Ankita Jodhani 10/14/2024



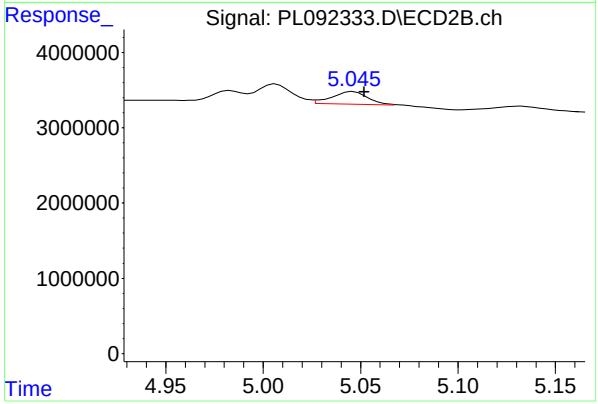
#10 gamma-Chlordane

R.T.: 4.982 min
Delta R.T.: -0.006 min
Response: 1143067
Conc: 0.38 ng/ml m



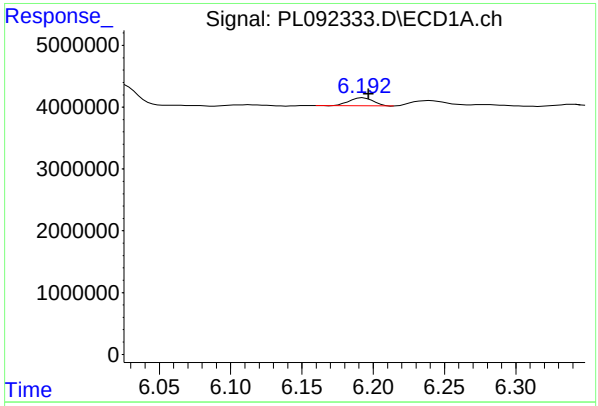
#11 alpha-Chlordane

R.T.: 6.023 min
Delta R.T.: 0.000 min
Response: 5068894
Conc: 2.06 ng/ml m



#11 alpha-Chlordane

R.T.: 5.045 min
Delta R.T.: -0.007 min
Response: 2046576
Conc: 0.68 ng/ml m



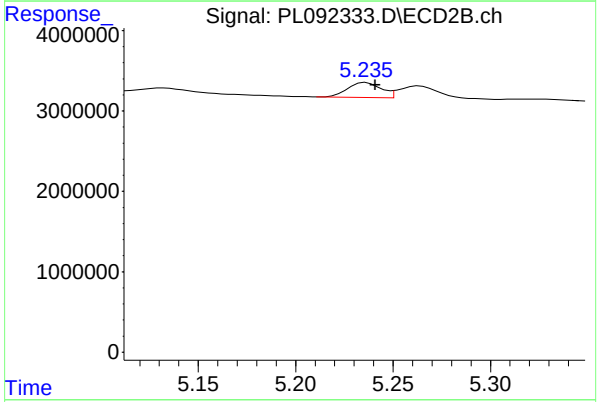
#12 4,4'-DDE

R.T.: 6.193 min
Delta R.T.: -0.004 min
Response: 1519937
Conc: 0.70 ng/ml

Instrument :
ECD_L
ClientSampleId :
Chamberlain Ave

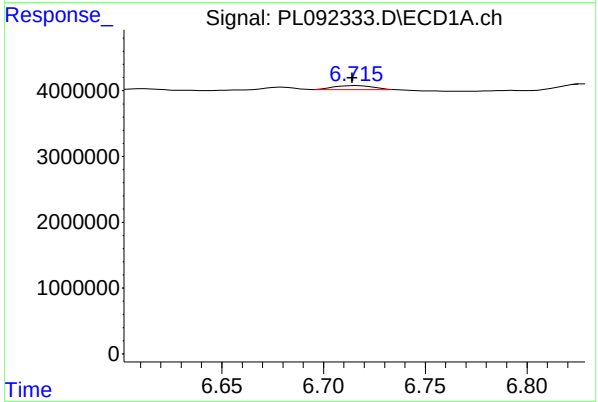
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/14/2024
Supervised By :Ankita Jodhani 10/14/2024



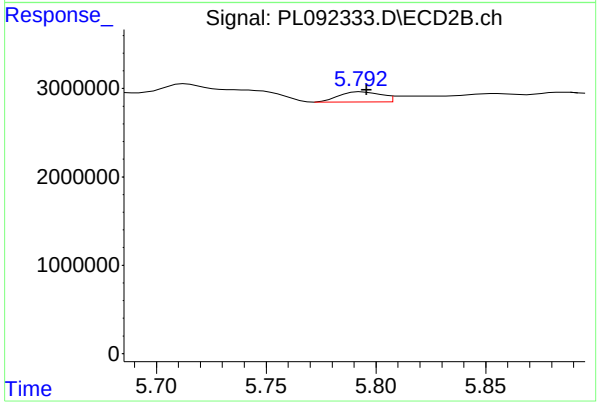
#12 4,4'-DDE

R.T.: 5.236 min
Delta R.T.: -0.005 min
Response: 2218167
Conc: 0.80 ng/ml



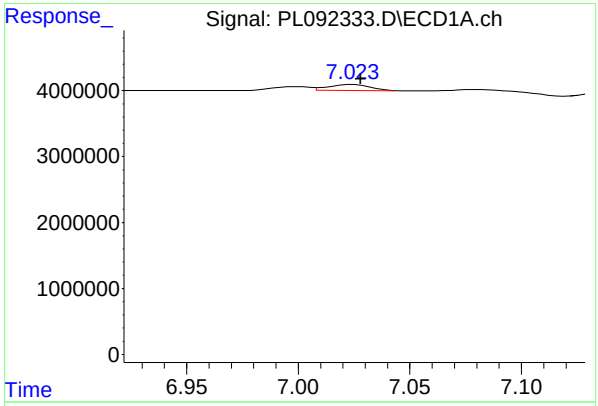
#16 4,4'-DDD

R.T.: 6.715 min
Delta R.T.: 0.000 min
Response: 821457
Conc: 0.46 ng/ml m



#16 4,4'-DDD

R.T.: 5.792 min
Delta R.T.: -0.004 min
Response: 1523305
Conc: 0.71 ng/ml m



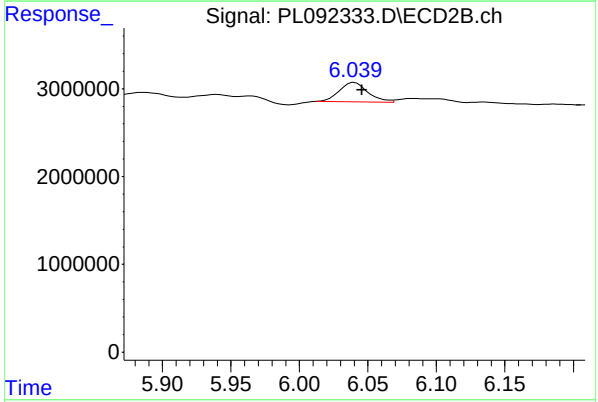
#17 4,4'-DDT

R.T.: 7.023 min
Delta R.T.: -0.005 min
Response: 1170083
Conc: 0.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
Chamberlain Ave

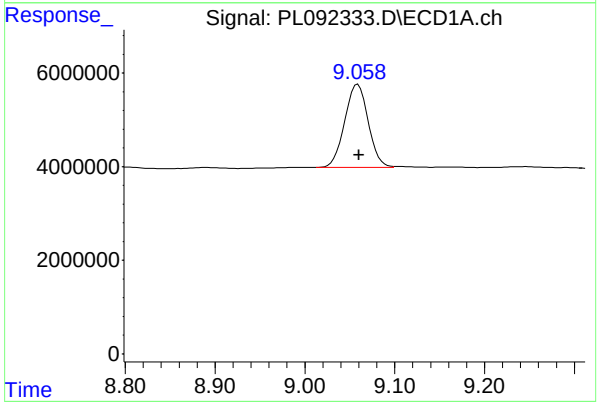
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/14/2024
Supervised By :Ankita Jodhani 10/14/2024



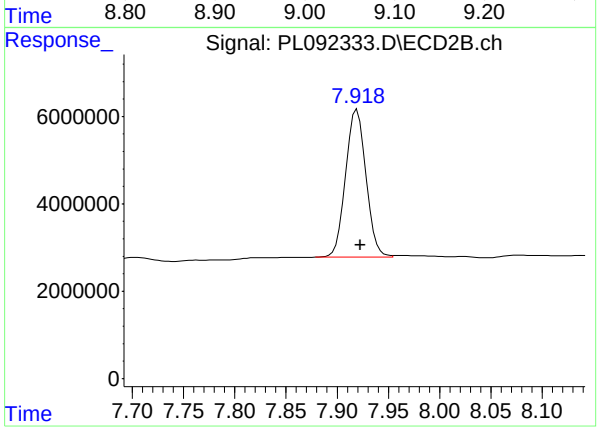
#17 4,4'-DDT

R.T.: 6.040 min
Delta R.T.: -0.005 min
Response: 3219483
Conc: 1.39 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.058 min
Delta R.T.: -0.003 min
Response: 32236668
Conc: 19.68 ng/ml m



#28 Decachlorobiphenyl

R.T.: 7.918 min
Delta R.T.: -0.005 min
Response: 46689302
Conc: 18.66 ng/ml m

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL101224\
Data File : PL092331.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Oct 2024 13:24
Operator : AR\AJ
Sample : PB164067BL
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB164067BL

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 10/14/2024
Supervised By :Ankita Jodhani 10/14/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 14 02:30:51 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 16:44:57 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.550	2.780	42240919	45283506	18.988	18.055
28)	SA Decachlor...	9.068	7.923	32020266	49120496	19.546m	19.633
	Target Compounds						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

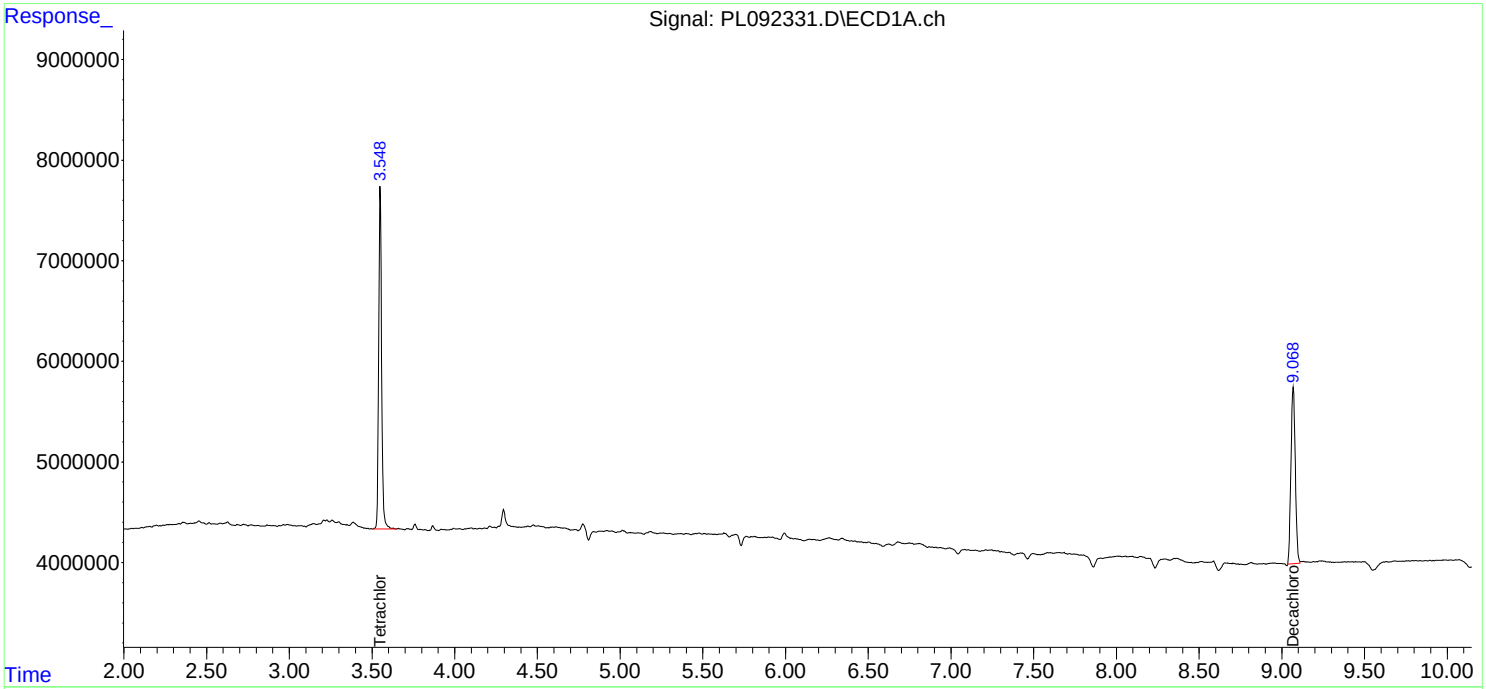
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL101224\
Data File : PL092331.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Oct 2024 13:24
Operator : AR\AJ
Sample : PB164067BL
Misc :
ALS Vial : 12 Sample Multiplier: 1

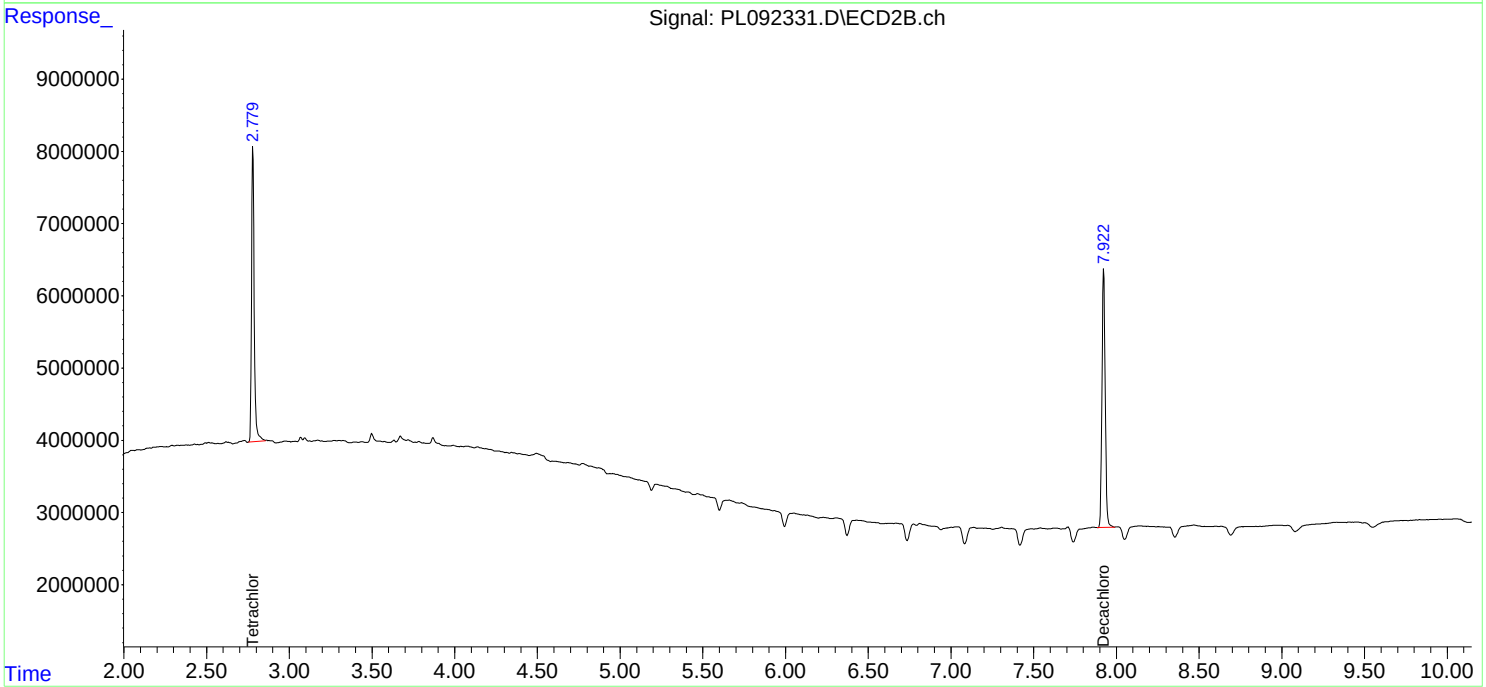
Instrument :
ECD_L
ClientSampleId :
PB164067BL

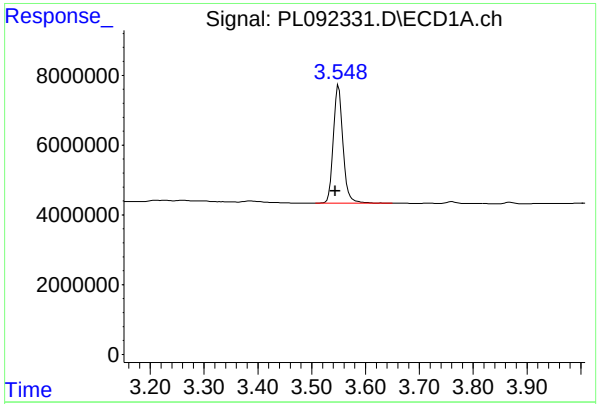
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 10/14/2024
Supervised By :Ankita Jodhani 10/14/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 14 02:30:51 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 16:44:57 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm







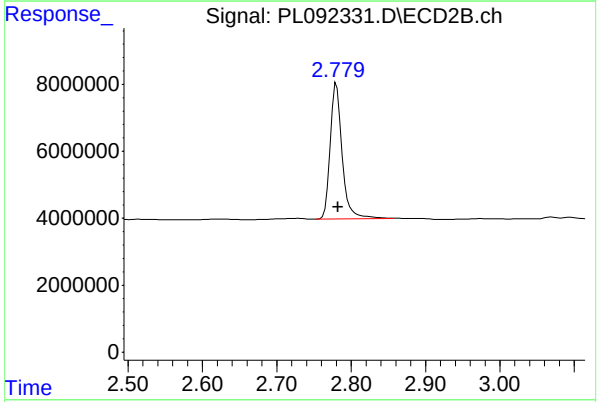
#1 Tetrachloro-m-xylene

R.T.: 3.550 min
Delta R.T.: 0.006 mi
Response: 42240919
Conc: 18.99 ng/m

Instrument :
ECD_L
ClientSampleId :
PB164067BL

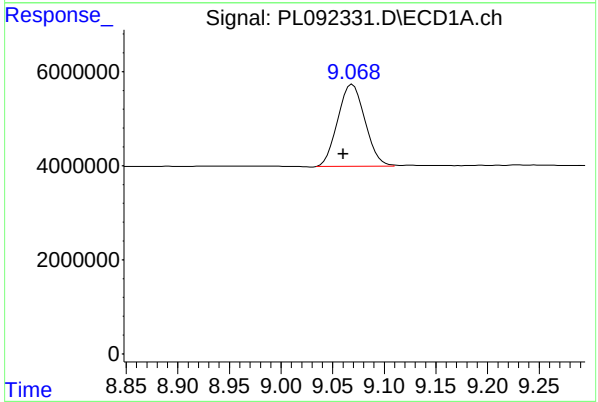
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/14/2024
Supervised By :Ankita Jodhani 10/14/2024



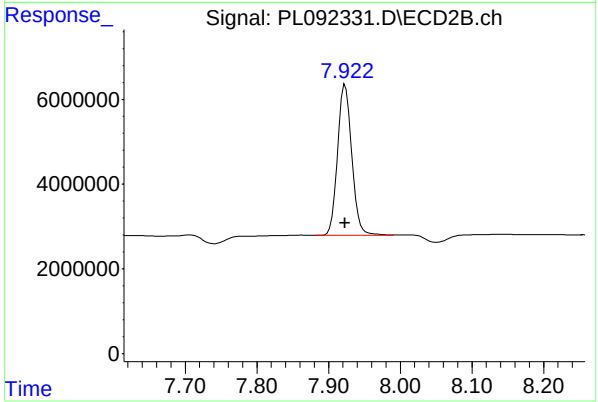
#1 Tetrachloro-m-xylene

R.T.: 2.780 min
Delta R.T.: -0.002 min
Response: 45283506
Conc: 18.06 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.068 min
Delta R.T.: 0.008 min
Response: 32020266
Conc: 19.55 ng/ml m



#28 Decachlorobiphenyl

R.T.: 7.923 min
Delta R.T.: 0.000 min
Response: 49120496
Conc: 19.63 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL101224\
Data File : PL092332.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Oct 2024 13:37
Operator : AR\AJ
Sample : PB164067BS
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB164067BS

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 10/14/2024
Supervised By :Ankita Jodhani 10/14/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 14 02:32:24 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 16:44:57 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.540	2.778	45975229	49932667	20.666	19.909
28) SA	Decachlor...	9.060	7.920	36058096	53289886	22.010	21.299
	Target Compounds						
2) A	alpha-BHC	3.996	3.281	150.4E6	183.2E6	48.566	50.294
3) MA	gamma-BHC...	4.329	3.611	143.2E6	171.8E6	46.224	48.654
4) MA	Heptachlor	4.918	3.950	135.6E6	172.8E6	49.019	50.079
5) MB	Aldrin	5.260	4.230	129.6E6	165.6E6	46.669	48.698
6) B	beta-BHC	4.527	3.910	64993496	75607992	49.001	50.301
7) B	delta-BHC	4.774	4.140	137.5E6	170.6E6	47.668	49.133
8) B	Heptachlo...	5.687	4.733	122.5E6	157.3E6	48.121	52.044
9) A	Endosulfan I	6.073	5.103	111.6E6	142.0E6	48.232	51.752
10) B	gamma-Chl...	5.944	4.983	121.0E6	157.3E6	48.970	52.287
11) B	alpha-Chl...	6.023	5.047	121.6E6	154.4E6	49.345	51.568
12) B	4,4'-DDE	6.196	5.236	107.1E6	146.8E6	49.463	52.822
13) MA	Dieldrin	6.348	5.368	117.7E6	152.0E6	48.244	51.859
14) MA	Endrin	6.577	5.644	95565947	128.3E6	46.376m	48.920
15) B	Endosulfa...	6.798	5.939	103.9E6	131.2E6	47.242	52.423
16) A	4,4'-DDD	6.712	5.791	93139348	121.1E6	51.867m	56.689
17) MA	4,4'-DDT	7.027	6.042	89654772	112.3E6	48.694	48.553
18) B	Endrin al...	6.928	6.118	82591688	101.4E6	47.391	49.694
19) B	Endosulfa...	7.162	6.341	96778659	124.1E6	48.822	51.431
20) A	Methoxychlor	7.504	6.618	48010573	59992884	48.905	47.981
21) B	Endrin ke...	7.648	6.847	109.5E6	145.0E6	49.817	52.354
22)	Mirex	8.121	7.028	84428426	116.8E6	46.879	48.005

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

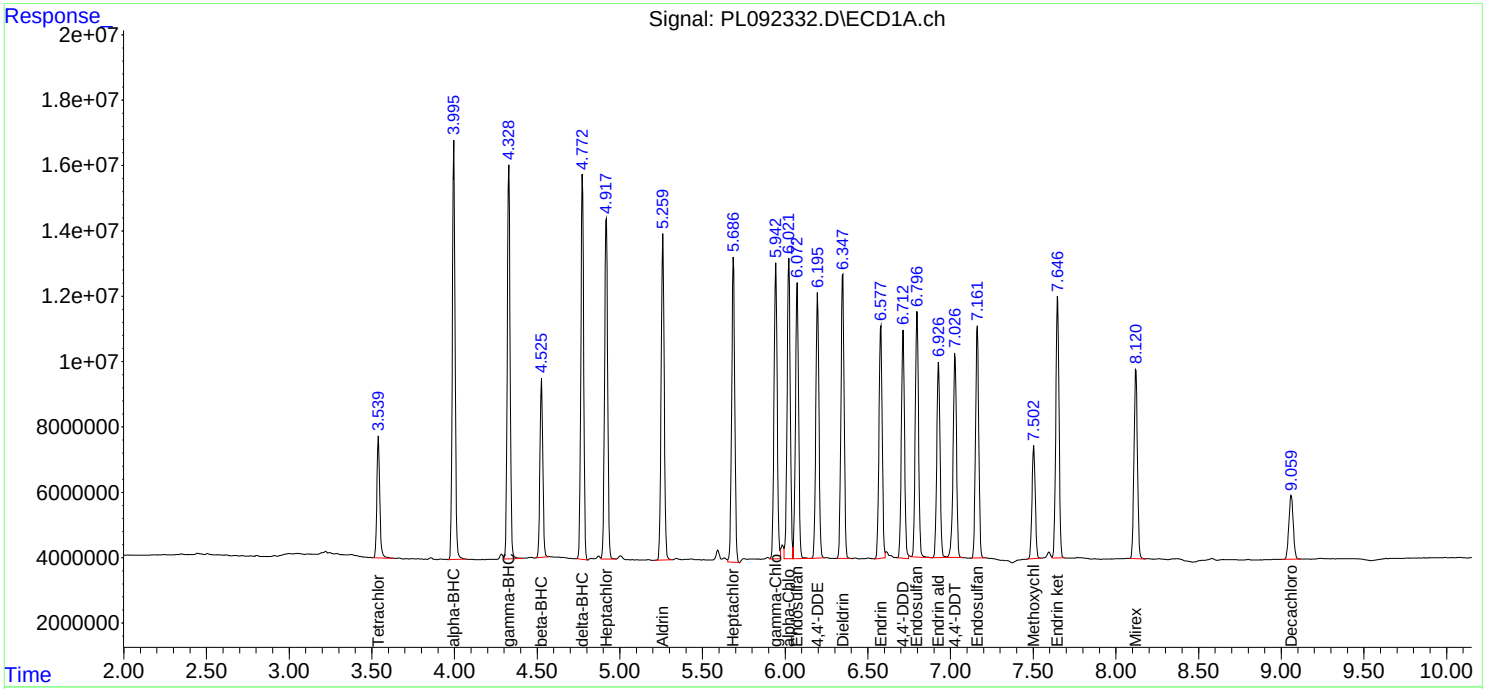
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL101224\
Data File : PL092332.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Oct 2024 13:37
Operator : AR\AJ
Sample : PB164067BS
Misc :
ALS Vial : 13 Sample Multiplier: 1

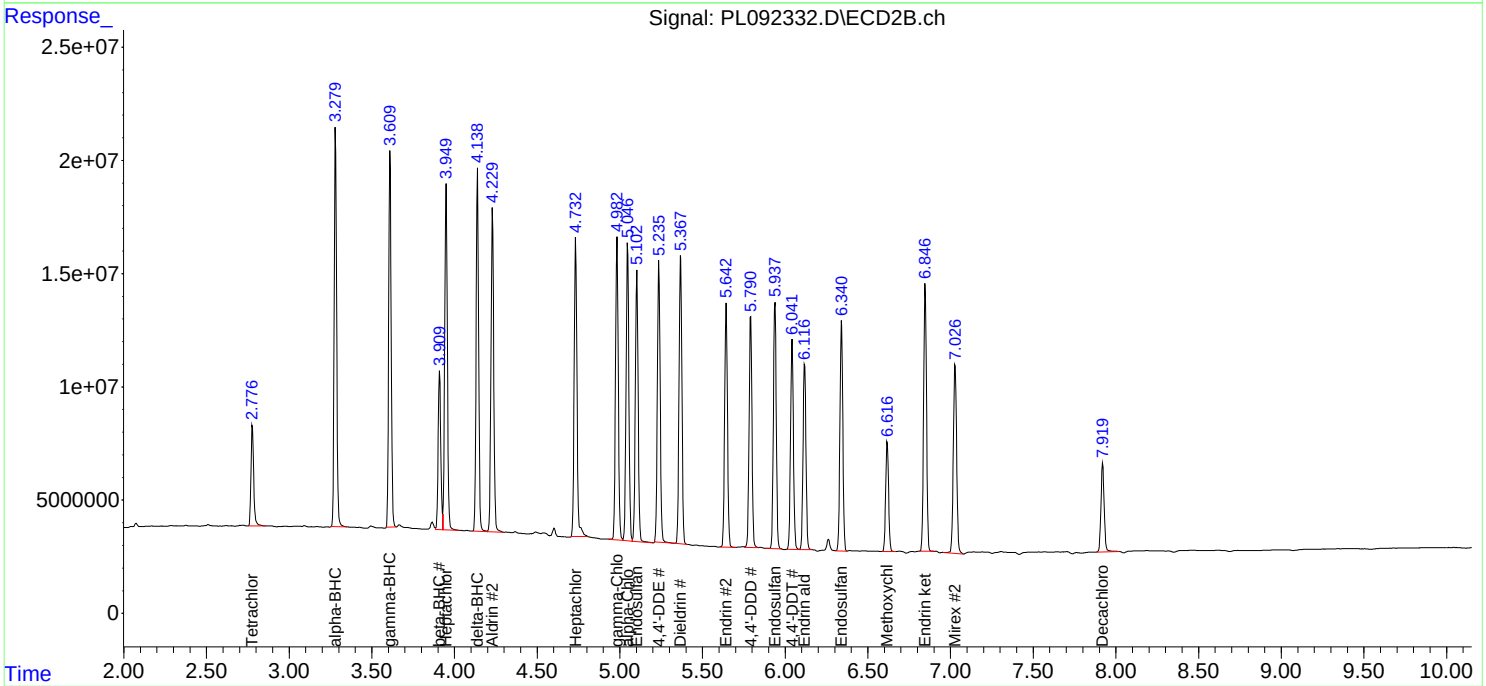
Instrument :
ECD_L
ClientSampleId :
PB164067BS

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 10/14/2024
Supervised By :Ankita Jodhani 10/14/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 14 02:32:24 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 16:44:57 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm





Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL101224\
Data File : PL092336.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Oct 2024 14:31
Operator : AR\AJ
Sample : P4385-04MS
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
SP-2MS

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 10/14/2024
Supervised By :Ankita Jodhani 10/14/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 14 02:39:28 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 16:44:57 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
1)	SA Tetrachlo...	3.538	2.778	36382584	40854859	16.354m	16.289	
28)	SA Decachlor...	9.057	7.920	27693861	39186066	16.905	15.662	
	Target Compounds							
2)	A alpha-BHC	3.996	3.281	134.6E6	162.6E6	43.456	44.625	
3)	MA gamma-BHC...	4.328	3.611	129.1E6	153.3E6	41.661	43.417	
4)	MA Heptachlor	4.917	3.950	126.5E6	158.2E6	45.740	45.840	
5)	MB Aldrin	5.259	4.230	115.0E6	149.0E6	41.400	43.819	
6)	B beta-BHC	4.526	3.911	59093735	68616037	44.553	45.650	
7)	B delta-BHC	4.772	4.140	120.5E6	146.0E6	41.782	42.067	
8)	B Heptachlo...	5.685	4.733	112.7E6	134.1E6	44.267	44.346	
9)	A Endosulfan I	6.071	5.103	103.4E6	121.9E6	44.684	44.430	
10)	B gamma-Chl...	5.941	4.983	115.8E6	138.0E6	46.873	45.873	
11)	B alpha-Chl...	6.021	5.046	112.2E6	136.3E6	45.559	45.542	
12)	B 4,4'-DDE	6.194	5.235	238.8E6	341.2E6	110.322	122.800	
13)	MA Dieldrin	6.346	5.367	109.6E6	139.6E6	44.925	47.622	
14)	MA Endrin	6.575	5.643	89466843	126.6E6	43.416m	48.268	
15)	B Endosulfa...	6.796	5.938	94635331	114.5E6	43.021	45.768	
16)	A 4,4'-DDD	6.710	5.791	98343576	111.3E6	54.766m	52.124	
17)	MA 4,4'-DDT	7.026	6.041	194.6E6	263.5E6	105.674	113.895	
18)	B Endrin al...	6.926	6.117	73648375	94861372	42.260	46.484	
19)	B Endosulfa...	7.160	6.340	88123965	111.1E6	44.456	46.046	
20)	A Methoxychlor	7.502	6.618	43617495	58138848	44.430	46.498	
21)	B Endrin ke...	7.645	6.846	133.2E6	124.5E6	60.600m	44.946	#
22)	Mirex	8.119	7.027	74568357	104.1E6	41.404	42.800	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

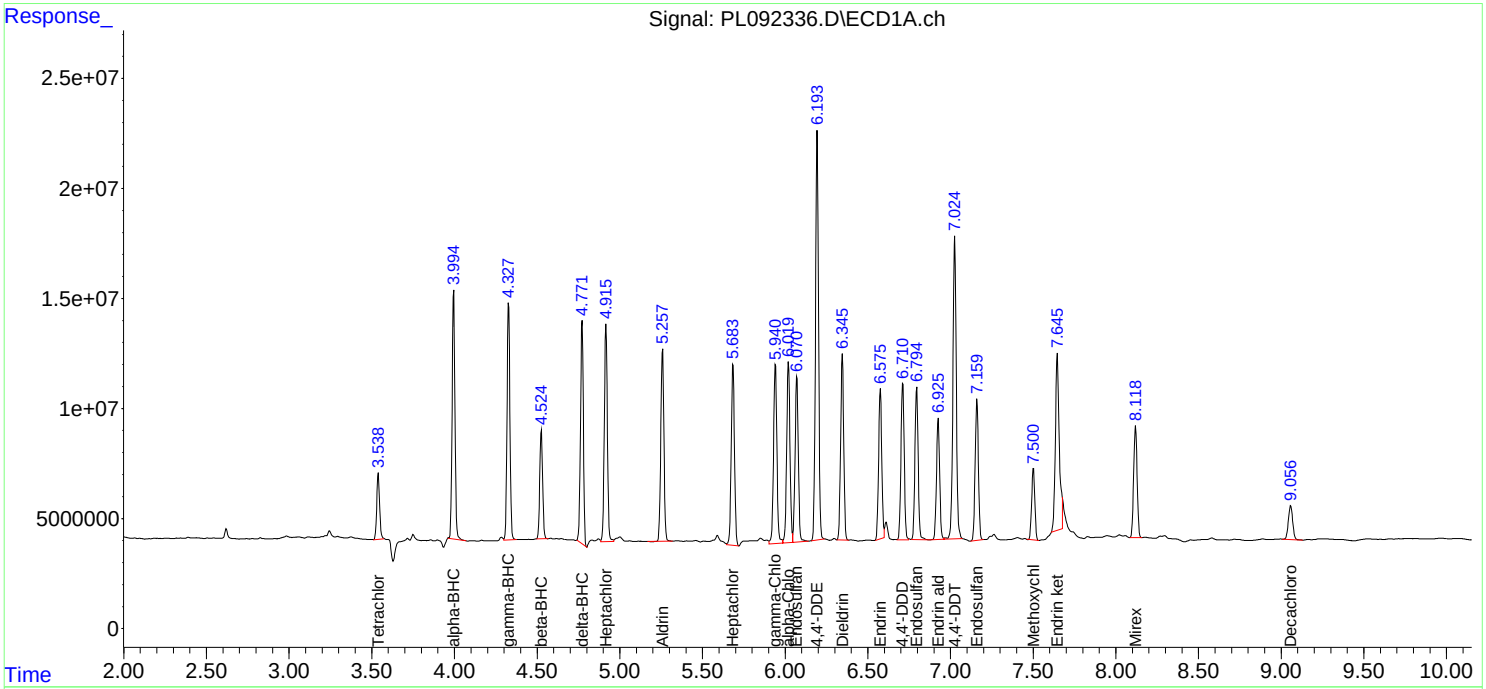
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL101224\
Data File : PL092336.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Oct 2024 14:31
Operator : AR\AJ
Sample : P4385-04MS
Misc :
ALS Vial : 17 Sample Multiplier: 1

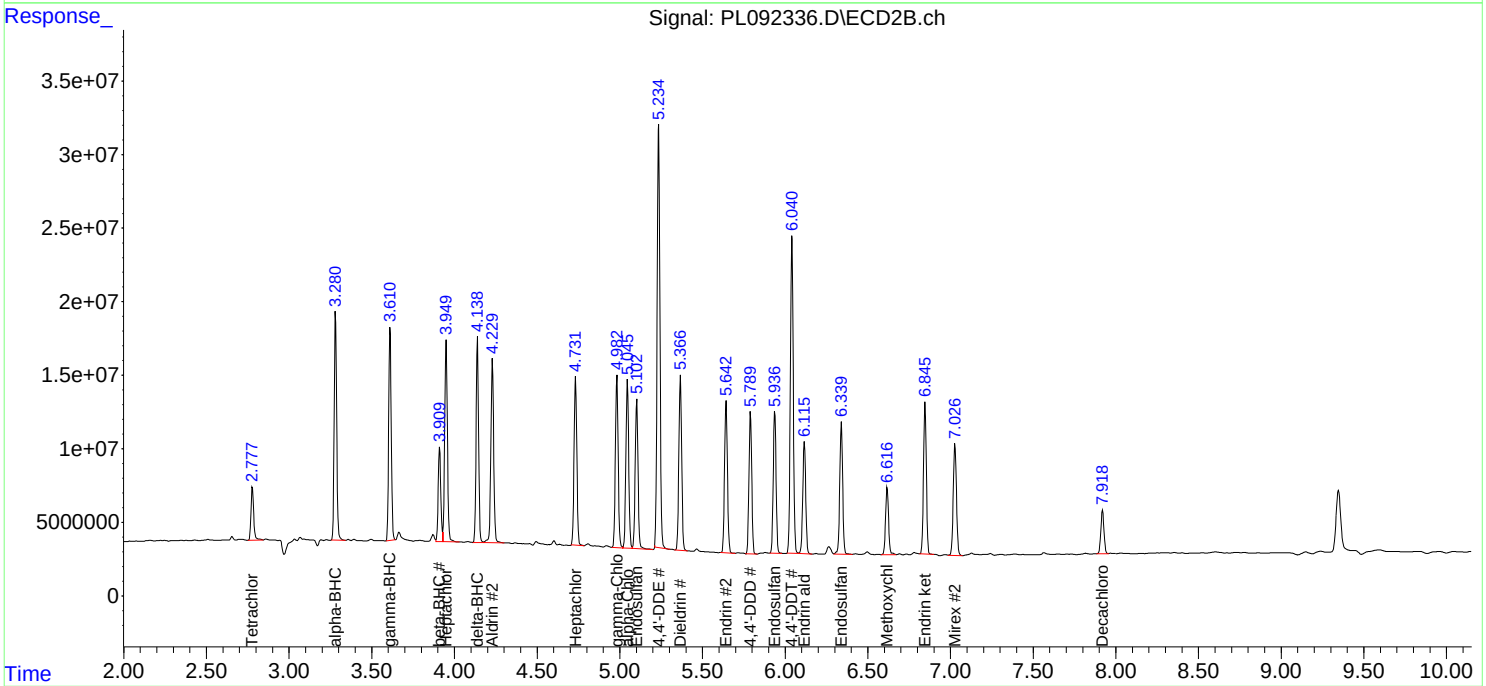
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 14 02:39:28 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 16:44:57 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

Instrument :
ECD_L
ClientSampleId :
SP-2MS

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 10/14/2024
Supervised By :Ankita Jodhani 10/14/2024





Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL101224\
Data File : PL092337.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Oct 2024 14:44
Operator : AR\AJ
Sample : P4385-04MSD
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
SP-2MSD

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 10/14/2024
Supervised By :Ankita Jodhani 10/14/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 14 02:41:15 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 16:44:57 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
1)	SA Tetrachlo...	3.538	2.778	36996442	39858520	16.630m	15.892	
28)	SA Decachlor...	9.057	7.919	27464423	39130261	16.765	15.640	
	Target Compounds							
2)	A alpha-BHC	3.996	3.281	132.1E6	161.7E6	42.668	44.377	
3)	MA gamma-BHC...	4.328	3.611	127.9E6	152.2E6	41.276	43.113	
4)	MA Heptachlor	4.917	3.950	124.1E6	156.5E6	44.860	45.345	
5)	MB Aldrin	5.258	4.230	113.8E6	147.7E6	40.986	43.436	
6)	B beta-BHC	4.525	3.911	58414212	67992634	44.040	45.235	
7)	B delta-BHC	4.772	4.140	118.5E6	145.1E6	41.079	41.784	
8)	B Heptachlo...	5.685	4.733	110.7E6	133.4E6	43.506	44.141	
9)	A Endosulfan I	6.070	5.103	102.0E6	121.6E6	44.074	44.305	
10)	B gamma-Chl...	5.941	4.983	114.1E6	138.6E6	46.177	46.068	
11)	B alpha-Chl...	6.020	5.047	110.8E6	136.2E6	44.986	45.508	
12)	B 4,4'-DDE	6.193	5.236	237.1E6	343.2E6	109.560	123.516	
13)	MA Dieldrin	6.346	5.367	109.0E6	138.8E6	44.711	47.327	
14)	MA Endrin	6.574	5.643	88049972	126.1E6	42.728m	48.095	
15)	B Endosulfa...	6.795	5.938	94097834	114.4E6	42.777	45.708	
16)	A 4,4'-DDD	6.710	5.791	96987003	111.9E6	54.010m	52.393	
17)	MA 4,4'-DDT	7.026	6.042	191.5E6	262.5E6	103.990	113.479	
18)	B Endrin al...	6.925	6.117	72870983	94684643	41.813	46.398	
19)	B Endosulfa...	7.160	6.340	87464369	110.8E6	44.123	45.911	
20)	A Methoxychlor	7.501	6.617	43749446	57871829	44.564	46.285	
21)	B Endrin ke...	7.644	6.846	141.8E6	124.0E6	64.510m	44.785	#
22)	Mirex	8.119	7.027	73912736	103.5E6	41.040	42.563	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

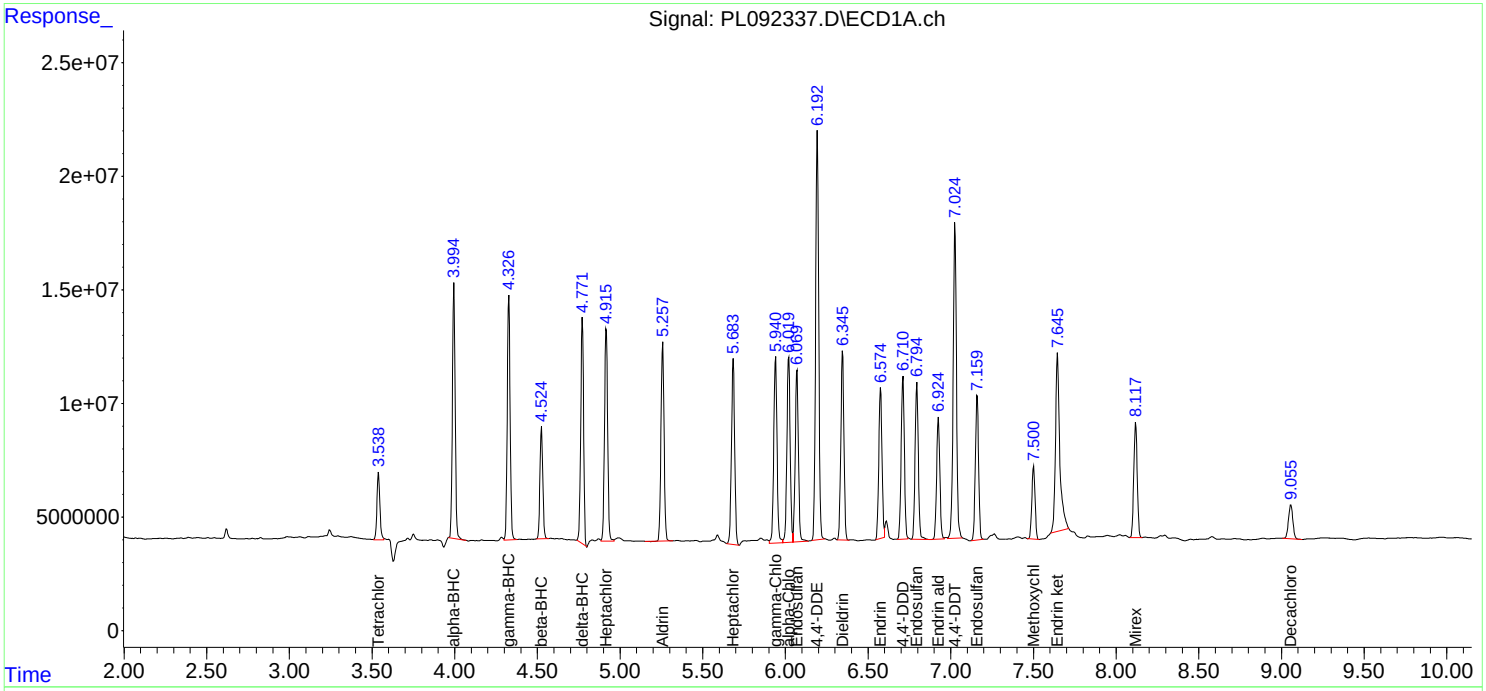
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL101224\
Data File : PL092337.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Oct 2024 14:44
Operator : AR\AJ
Sample : P4385-04MSD
Misc :
ALS Vial : 18 Sample Multiplier: 1

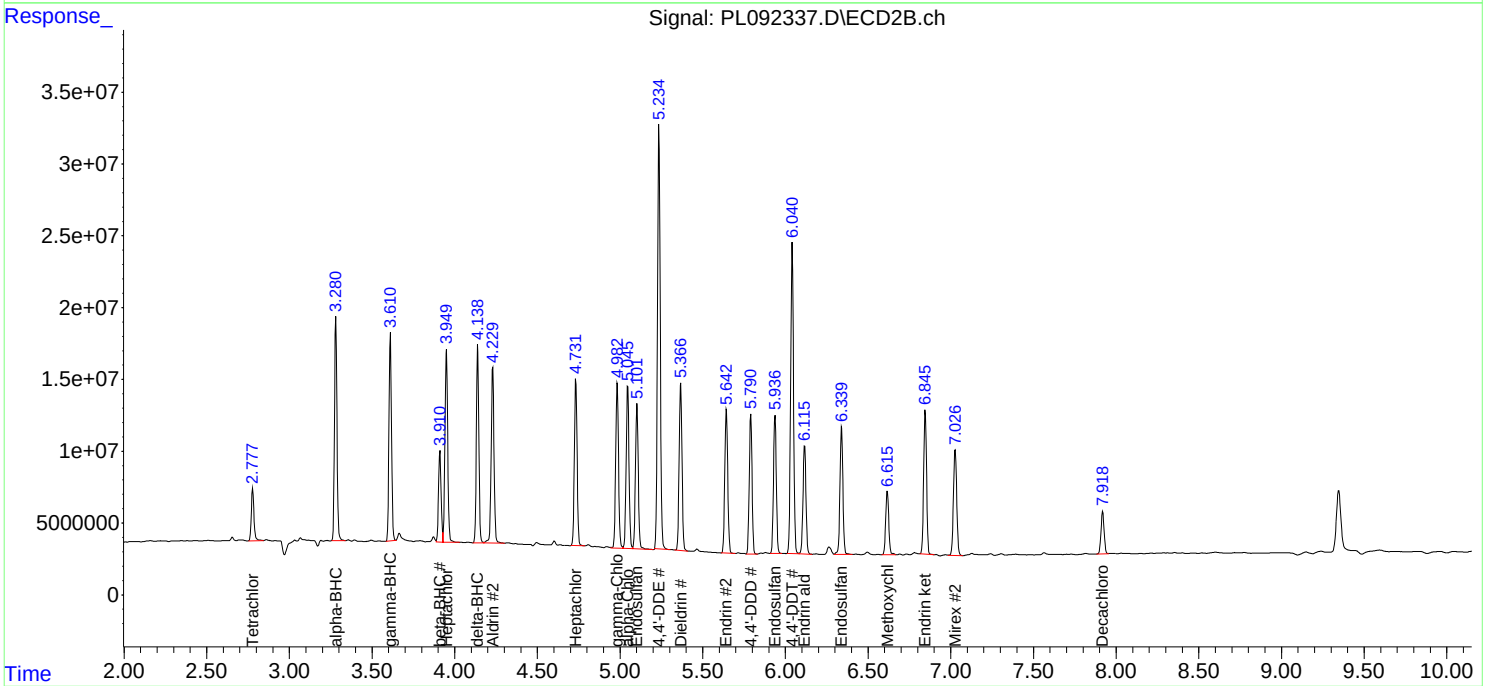
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 14 02:41:15 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 16:44:57 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

Instrument :
ECD_L
ClientSampleId :
SP-2MSD

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 10/14/2024
Supervised By :Ankita Jodhani 10/14/2024





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

Manual Integration Report

Sequence:	PL092324	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL091954.D	Endrin ketone #2	Abdul	9/24/2024 9:17:41 AM	Ankita	9/24/2024 11:06:36	Peak Integrated by Software
PSTDICC025	PL091959.D	Heptachlor epoxide	Abdul	9/24/2024 9:17:44 AM	Ankita	9/24/2024 11:06:38	Peak Integrated by Software
PSTDICC005	PL091960.D	delta-BHC	Abdul	9/24/2024 9:17:47 AM	Ankita	9/24/2024 11:06:40	Peak Integrated by Software
PSTDICC005	PL091960.D	Endrin ketone #2	Abdul	9/24/2024 9:17:47 AM	Ankita	9/24/2024 11:06:40	Peak Integrated by Software
PSTDICC005	PL091960.D	Heptachlor	Abdul	9/24/2024 9:17:47 AM	Ankita	9/24/2024 11:06:40	Peak Integrated by Software
PSTDICC005	PL091960.D	Heptachlor epoxide	Abdul	9/24/2024 9:17:47 AM	Ankita	9/24/2024 11:06:40	Peak Integrated by Software
PSTDICC005	PL091960.D	Methoxychlor	Abdul	9/24/2024 9:17:47 AM	Ankita	9/24/2024 11:06:40	Peak Integrated by Software
PEM	PL091975.D	4,4"-DDE	Abdul	9/25/2024 12:23:38 PM	Ankita	9/25/2024 12:24:20	Peak Integrated by Software
PEM	PL091975.D	4,4"-DDE #2	Abdul	9/25/2024 12:23:38 PM	Ankita	9/25/2024 12:24:20	Peak Integrated by Software
PEM	PL091975.D	4,4"-DDT #2	Abdul	9/25/2024 12:23:38 PM	Ankita	9/25/2024 12:24:20	Peak Integrated by Software
PEM	PL091975.D	Endrin ketone #2	Abdul	9/25/2024 12:23:38 PM	Ankita	9/25/2024 12:24:20	Peak Integrated by Software
PEM	PL091975.D	gamma-BHC (Lindane)	Abdul	9/25/2024 12:23:38 PM	Ankita	9/25/2024 12:24:20	Peak Integrated by Software
PEM	PL091975.D	Methoxychlor #2	Abdul	9/25/2024 12:23:38 PM	Ankita	9/25/2024 12:24:20	Peak Integrated by Software

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

Manual Integration Report

Sequence:	PL092324	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PL091976.D	4,4"-DDE #2	Abdul	9/24/2024 9:18:08 AM	Ankita	9/24/2024 11:06:48	Peak Integrated by Software
PSTDCCC050	PL091976.D	Aldrin #2	Abdul	9/24/2024 9:18:08 AM	Ankita	9/24/2024 11:06:48	Peak Integrated by Software
PSTDCCC050	PL091976.D	delta-BHC #2	Abdul	9/24/2024 9:18:08 AM	Ankita	9/24/2024 11:06:48	Peak Integrated by Software
PSTDCCC050	PL091976.D	Endrin aldehyde	Abdul	9/24/2024 9:18:08 AM	Ankita	9/24/2024 11:06:48	Peak Integrated by Software
PSTDCCC050	PL091976.D	Endrin ketone #2	Abdul	9/24/2024 9:18:08 AM	Ankita	9/24/2024 11:06:48	Peak Integrated by Software
I.BLK	PL091988.D	Tetrachloro-m-xylene	Abdul	9/24/2024 9:23:07 AM	Ankita	9/24/2024 11:07:26	Peak Integrated by Software
PSTDCCC050	PL091989.D	4,4"-DDD	Abdul	9/24/2024 9:23:10 AM	Ankita	9/24/2024 11:07:29	Peak Integrated by Software
PSTDCCC050	PL091989.D	4,4"-DDE #2	Abdul	9/24/2024 9:23:10 AM	Ankita	9/24/2024 11:07:29	Peak Integrated by Software
PSTDCCC050	PL091989.D	Aldrin #2	Abdul	9/24/2024 9:23:10 AM	Ankita	9/24/2024 11:07:29	Peak Integrated by Software
PSTDCCC050	PL091989.D	delta-BHC #2	Abdul	9/24/2024 9:23:10 AM	Ankita	9/24/2024 11:07:29	Peak Integrated by Software
PSTDCCC050	PL091989.D	Endosulfan II	Abdul	9/24/2024 9:23:10 AM	Ankita	9/24/2024 11:07:29	Peak Integrated by Software
PSTDCCC050	PL091989.D	Endosulfan II #2	Abdul	9/24/2024 9:23:10 AM	Ankita	9/24/2024 11:07:29	Peak Integrated by Software
PSTDCCC050	PL091989.D	Endrin	Abdul	9/24/2024 9:23:10 AM	Ankita	9/24/2024 11:07:29	Peak Integrated by Software

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

Manual Integration Report

Sequence:	PL092324	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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

Manual Integration Report

Sequence:	PL101224	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL092320.D	4,4"-DDD	Abdul	10/14/2024 8:50:26 AM	Ankita	10/14/2024 9:17:25	Peak Integrated by Software
PEM	PL092320.D	4,4"-DDE	Abdul	10/14/2024 8:50:26 AM	Ankita	10/14/2024 9:17:25	Peak Integrated by Software
PEM	PL092320.D	4,4"-DDT	Abdul	10/14/2024 8:50:26 AM	Ankita	10/14/2024 9:17:25	Peak Integrated by Software
PEM	PL092320.D	Endrin	Abdul	10/14/2024 8:50:26 AM	Ankita	10/14/2024 9:17:25	Peak Integrated by Software
PSTDCCC050	PL092321.D	4,4"-DDD	Abdul	10/14/2024 8:50:41 AM	Ankita	10/14/2024 9:17:27	Peak Integrated by Software
PSTDCCC050	PL092321.D	4,4"-DDE #2	Abdul	10/14/2024 8:50:41 AM	Ankita	10/14/2024 9:17:27	Peak Integrated by Software
PSTDCCC050	PL092321.D	Aldrin #2	Abdul	10/14/2024 8:50:41 AM	Ankita	10/14/2024 9:17:27	Peak Integrated by Software
PSTDCCC050	PL092321.D	alpha-Chlordane	Abdul	10/14/2024 8:50:41 AM	Ankita	10/14/2024 9:17:27	Peak Integrated by Software
PSTDCCC050	PL092321.D	delta-BHC #2	Abdul	10/14/2024 8:50:41 AM	Ankita	10/14/2024 9:17:27	Peak Integrated by Software
PSTDCCC050	PL092321.D	Endrin ketone #2	Abdul	10/14/2024 8:50:41 AM	Ankita	10/14/2024 9:17:27	Peak Integrated by Software
PSTDCCC050	PL092321.D	gamma-Chlordane	Abdul	10/14/2024 8:50:41 AM	Ankita	10/14/2024 9:17:27	Peak Integrated by Software
PSTDCCC050	PL092321.D	Heptachlor epoxide	Abdul	10/14/2024 8:50:41 AM	Ankita	10/14/2024 9:17:27	Peak Integrated by Software
PSTDCCC050	PL092330.D	4,4"-DDD	Abdul	10/14/2024 4:25:22 PM	Ankita	10/14/2024 4:26:32	Peak Integrated by Software

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Manual Integration Report

Sequence:	PL101224	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PL092330.D	4,4"-DDE #2	Abdul	10/14/2024 4:25:22 PM	Ankita	10/14/2024 4:26:32	Peak Integrated by Software
PSTDCCC050	PL092330.D	Aldrin #2	Abdul	10/14/2024 4:25:22 PM	Ankita	10/14/2024 4:26:32	Peak Integrated by Software
PSTDCCC050	PL092330.D	alpha-Chlordane	Abdul	10/14/2024 4:25:22 PM	Ankita	10/14/2024 4:26:32	Peak Integrated by Software
PSTDCCC050	PL092330.D	delta-BHC #2	Abdul	10/14/2024 4:25:22 PM	Ankita	10/14/2024 4:26:32	Peak Integrated by Software
PSTDCCC050	PL092330.D	Endrin ketone #2	Abdul	10/14/2024 4:25:22 PM	Ankita	10/14/2024 4:26:32	Peak Integrated by Software
PSTDCCC050	PL092330.D	gamma-Chlordane	Abdul	10/14/2024 4:25:22 PM	Ankita	10/14/2024 4:26:32	Peak Integrated by Software
PSTDCCC050	PL092330.D	Heptachlor epoxide	Abdul	10/14/2024 4:25:22 PM	Ankita	10/14/2024 4:26:32	Peak Integrated by Software
PSTDCCC050	PL092330.D	Mirex #2	Abdul	10/14/2024 4:25:22 PM	Ankita	10/14/2024 4:26:32	Peak Integrated by Software
PB164067BL	PL092331.D	Decachlorobiphenyl	Abdul	10/14/2024 8:51:20 AM	Ankita	10/14/2024 9:17:59	Peak Integrated by Software
PB164067BS	PL092332.D	4,4"-DDD	Abdul	10/14/2024 8:51:24 AM	Ankita	10/14/2024 9:18:01	Peak Integrated by Software
PB164067BS	PL092332.D	Endrin	Abdul	10/14/2024 8:51:24 AM	Ankita	10/14/2024 9:18:01	Peak Integrated by Software
P4258-03	PL092333.D	4,4"-DDD	Abdul	10/14/2024 8:51:28 AM	Ankita	10/14/2024 9:18:02	Peak Integrated by Software
P4258-03	PL092333.D	4,4"-DDD #2	Abdul	10/14/2024 8:51:28 AM	Ankita	10/14/2024 9:18:02	Peak Integrated by Software

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Manual Integration Report

Sequence:	PL101224	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P4258-03	PL092333.D	4,4"-DDT	Abdul	10/14/2024 8:51:28 AM	Ankita	10/14/2024 9:18:02	Peak Integrated by Software
P4258-03	PL092333.D	alpha-Chlordane	Abdul	10/14/2024 8:51:28 AM	Ankita	10/14/2024 9:18:02	Peak Integrated by Software
P4258-03	PL092333.D	alpha-Chlordane #2	Abdul	10/14/2024 8:51:28 AM	Ankita	10/14/2024 9:18:02	Peak Integrated by Software
P4258-03	PL092333.D	beta-BHC	Abdul	10/14/2024 8:51:28 AM	Ankita	10/14/2024 9:18:02	Peak Integrated by Software
P4258-03	PL092333.D	Decachlorobiphenyl	Abdul	10/14/2024 8:51:28 AM	Ankita	10/14/2024 9:18:02	Peak Integrated by Software
P4258-03	PL092333.D	Decachlorobiphenyl #2	Abdul	10/14/2024 8:51:28 AM	Ankita	10/14/2024 9:18:02	Peak Integrated by Software
P4258-03	PL092333.D	gamma-Chlordane	Abdul	10/14/2024 8:51:28 AM	Ankita	10/14/2024 9:18:02	Peak Integrated by Software
P4258-03	PL092333.D	gamma-Chlordane #2	Abdul	10/14/2024 8:51:28 AM	Ankita	10/14/2024 9:18:02	Peak Integrated by Software
P4258-03	PL092333.D	Tetrachloro-m-xylene	Abdul	10/14/2024 8:51:28 AM	Ankita	10/14/2024 9:18:02	Peak Integrated by Software
P4385-04MS	PL092336.D	4,4"-DDD	Abdul	10/14/2024 8:51:40 AM	Ankita	10/14/2024 9:18:07	Peak Integrated by Software
P4385-04MS	PL092336.D	Endrin	Abdul	10/14/2024 8:51:40 AM	Ankita	10/14/2024 9:18:07	Peak Integrated by Software
P4385-04MS	PL092336.D	Endrin ketone	Abdul	10/14/2024 8:51:40 AM	Ankita	10/14/2024 9:18:07	Peak Integrated by Software
P4385-04MS	PL092336.D	Tetrachloro-m-xylene	Abdul	10/14/2024 8:51:40 AM	Ankita	10/14/2024 9:18:07	Peak Integrated by Software

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Manual Integration Report

Sequence:	PL101224	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P4385-04MSD	PL092337.D	4,4"-DDD	Abdul	10/14/2024 8:51:44 AM	Ankita	10/14/2024 9:18:08	Peak Integrated by Software
P4385-04MSD	PL092337.D	Endrin	Abdul	10/14/2024 8:51:44 AM	Ankita	10/14/2024 9:18:08	Peak Integrated by Software
P4385-04MSD	PL092337.D	Endrin ketone	Abdul	10/14/2024 8:51:44 AM	Ankita	10/14/2024 9:18:08	Peak Integrated by Software
P4385-04MSD	PL092337.D	Tetrachloro-m-xylene	Abdul	10/14/2024 8:51:44 AM	Ankita	10/14/2024 9:18:08	Peak Integrated by Software
I.BLK	PL092346.D	Decachlorobiphenyl	Abdul	10/14/2024 8:52:36 AM	Ankita	10/14/2024 9:18:22	Peak Integrated by Software
PSTDCCC050	PL092347.D	4,4"-DDD	Abdul	10/14/2024 8:52:18 AM	Ankita	10/14/2024 9:18:24	Peak Integrated by Software
PSTDCCC050	PL092347.D	4,4"-DDE #2	Abdul	10/14/2024 8:52:18 AM	Ankita	10/14/2024 9:18:24	Peak Integrated by Software
PSTDCCC050	PL092347.D	Aldrin #2	Abdul	10/14/2024 8:52:18 AM	Ankita	10/14/2024 9:18:24	Peak Integrated by Software
PSTDCCC050	PL092347.D	Endrin	Abdul	10/14/2024 8:52:18 AM	Ankita	10/14/2024 9:18:24	Peak Integrated by Software
PSTDCCC050	PL092347.D	gamma-Chlordane	Abdul	10/14/2024 8:52:18 AM	Ankita	10/14/2024 9:18:24	Peak Integrated by Software

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL092324

Review By	Abdul	Review On	9/24/2024 9:27:05 AM		
Supervise By	Ankita	Supervise On	9/24/2024 11:07:44 AM		
SubDirectory	PL092324	HP Acquire Method		HP Processing Method	pl092324 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23282,PP23517
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PL091952.D	23 Sep 2024 10:38	AR\AJ	Ok
2	I.BLK	PL091953.D	23 Sep 2024 10:52	AR\AJ	Ok
3	PEM	PL091954.D	23 Sep 2024 11:05	AR\AJ	Ok,M
4	RESCHK	PL091955.D	23 Sep 2024 11:19	AR\AJ	Ok
5	PSTDICC100	PL091956.D	23 Sep 2024 11:32	AR\AJ	Ok
6	PSTDICC075	PL091957.D	23 Sep 2024 11:45	AR\AJ	Ok
7	PSTDICC050	PL091958.D	23 Sep 2024 11:59	AR\AJ	Ok
8	PSTDICC025	PL091959.D	23 Sep 2024 12:12	AR\AJ	Ok,M
9	PSTDICC005	PL091960.D	23 Sep 2024 12:26	AR\AJ	Ok,M
10	PCHLORICC1000	PL091961.D	23 Sep 2024 12:39	AR\AJ	Ok
11	PCHLORICC750	PL091962.D	23 Sep 2024 12:52	AR\AJ	Ok
12	PCHLORICC500	PL091963.D	23 Sep 2024 13:06	AR\AJ	Ok
13	PCHLORICC250	PL091964.D	23 Sep 2024 13:19	AR\AJ	Ok
14	PCHLORICC050	PL091965.D	23 Sep 2024 13:33	AR\AJ	Ok
15	PTOXICC1000	PL091966.D	23 Sep 2024 13:46	AR\AJ	Ok
16	PTOXICC750	PL091967.D	23 Sep 2024 13:59	AR\AJ	Ok
17	PTOXICC500	PL091968.D	23 Sep 2024 14:13	AR\AJ	Ok
18	PTOXICC250	PL091969.D	23 Sep 2024 14:26	AR\AJ	Ok
19	PTOXICC100	PL091970.D	23 Sep 2024 14:40	AR\AJ	Ok,M
20	PSTDICV050	PL091971.D	23 Sep 2024 14:53	AR\AJ	Ok
21	PCHLORICV500	PL091972.D	23 Sep 2024 15:20	AR\AJ	Ok

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL092324

Review By	Abdul	Review On	9/24/2024 9:27:05 AM		
Supervise By	Ankita	Supervise On	9/24/2024 11:07:44 AM		
SubDirectory	PL092324	HP Acquire Method		HP Processing Method	pl092324 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23282,PP23517
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	PTOXICV500	PL091973.D	23 Sep 2024 15:47	AR\AJ	Ok
23	I.BLK	PL091974.D	23 Sep 2024 16:13	AR\AJ	Ok
24	PEM	PL091975.D	23 Sep 2024 16:27	AR\AJ	Ok,M
25	PSTDCCC050	PL091976.D	23 Sep 2024 16:40	AR\AJ	Ok,M
26	PB163572BL	PL091977.D	23 Sep 2024 16:54	AR\AJ	Ok
27	PB163572BS	PL091978.D	23 Sep 2024 17:07	AR\AJ	Ok,M
28	P4103-02	PL091979.D	23 Sep 2024 17:20	AR\AJ	Ok,M
29	P4103-02MS	PL091980.D	23 Sep 2024 17:34	AR\AJ	Ok,M
30	P4103-02MSD	PL091981.D	23 Sep 2024 17:47	AR\AJ	Ok,M
31	P4103-05	PL091982.D	23 Sep 2024 18:01	AR\AJ	Ok
32	P4103-08	PL091983.D	23 Sep 2024 18:14	AR\AJ	Ok,M
33	P4103-11	PL091984.D	23 Sep 2024 18:28	AR\AJ	Ok,M
34	P4103-14	PL091985.D	23 Sep 2024 18:41	AR\AJ	Ok,M
35	P4103-17	PL091986.D	23 Sep 2024 18:55	AR\AJ	Ok,M
36	PB163511TB	PL091987.D	23 Sep 2024 19:08	AR\AJ	Ok,M
37	I.BLK	PL091988.D	23 Sep 2024 19:21	AR\AJ	Ok,M
38	PSTDCCC050	PL091989.D	23 Sep 2024 19:35	AR\AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL101224

Review By	Abdul	Review On	10/14/2024 8:53:28 AM		
Supervise By	Ankita	Supervise On	10/14/2024 9:18:39 AM		
SubDirectory	PL101224	HP Acquire Method		HP Processing Method	pl092324 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23282,PP23517
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PL092318.D	11 Oct 2024 08:29	AR\AJ	Ok
2	I.BLK	PL092319.D	11 Oct 2024 08:42	AR\AJ	Ok
3	PEM	PL092320.D	11 Oct 2024 08:56	AR\AJ	Ok,M
4	PSTDCCC050	PL092321.D	11 Oct 2024 09:09	AR\AJ	Ok,M
5	PB164033BL	PL092322.D	11 Oct 2024 09:23	AR\AJ	Ok,M
6	P4368-01	PL092323.D	11 Oct 2024 09:36	AR\AJ	Ok,M
7	P4368-07	PL092324.D	11 Oct 2024 10:12	AR\AJ	Ok,M
8	P4368-01	PL092325.D	11 Oct 2024 10:29	AR\AJ	Ok,M
9	P4368-07	PL092326.D	11 Oct 2024 10:49	AR\AJ	Ok,M
10	P4368-02	PL092327.D	11 Oct 2024 11:10	AR\AJ	Ok,M
11	P4368-08	PL092328.D	11 Oct 2024 11:23	AR\AJ	Ok,M
12	I.BLK	PL092329.D	11 Oct 2024 11:40	AR\AJ	Ok
13	PSTDCCC050	PL092330.D	11 Oct 2024 11:54	AR\AJ	Ok,M
14	PB164067BL	PL092331.D	11 Oct 2024 13:24	AR\AJ	Ok,M
15	PB164067BS	PL092332.D	11 Oct 2024 13:37	AR\AJ	Ok,M
16	P4258-03	PL092333.D	11 Oct 2024 13:51	AR\AJ	Ok,M
17	P4385-02	PL092334.D	11 Oct 2024 14:04	AR\AJ	Ok,M
18	P4385-04	PL092335.D	11 Oct 2024 14:17	AR\AJ	Ok,M
19	P4385-04MS	PL092336.D	11 Oct 2024 14:31	AR\AJ	Ok,M
20	P4385-04MSD	PL092337.D	11 Oct 2024 14:44	AR\AJ	Ok,M
21	P4385-08	PL092338.D	11 Oct 2024 14:58	AR\AJ	Ok,M

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL101224

Review By	Abdul	Review On	10/14/2024 8:53:28 AM		
Supervise By	Ankita	Supervise On	10/14/2024 9:18:39 AM		
SubDirectory	PL101224	HP Acquire Method		HP Processing Method	pl092324 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23282,PP23517
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4385-10	PL092339.D	11 Oct 2024 15:11	AR\AJ	Ok,M
23	P4385-14	PL092340.D	11 Oct 2024 15:25	AR\AJ	Ok,M
24	P4385-16	PL092341.D	11 Oct 2024 15:38	AR\AJ	Ok,M
25	P4385-20	PL092342.D	11 Oct 2024 15:52	AR\AJ	Ok,M
26	P4385-06	PL092343.D	11 Oct 2024 16:32	AR\AJ	Ok,M
27	P4385-18	PL092344.D	11 Oct 2024 16:59	AR\AJ	Ok,M
28	P4385-12	PL092345.D	11 Oct 2024 17:18	AR\AJ	Ok,M
29	I.BLK	PL092346.D	11 Oct 2024 17:31	AR\AJ	Ok,M
30	PSTDCCC050	PL092347.D	11 Oct 2024 17:48	AR\AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL092324

Review By	Abdul	Review On	9/24/2024 9:27:05 AM		
Supervise By	Ankita	Supervise On	9/24/2024 11:07:44 AM		
SubDirectory	PL092324	HP Acquire Method		HP Processing Method	pl092324 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23282,PP23517
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PL091952.D	23 Sep 2024 10:38		AR\AJ	Ok
2	I.BLK	I.BLK	PL091953.D	23 Sep 2024 10:52		AR\AJ	Ok
3	PEM	PEM	PL091954.D	23 Sep 2024 11:05		AR\AJ	Ok,M
4	RESCHK	RESCHK	PL091955.D	23 Sep 2024 11:19		AR\AJ	Ok
5	PSTDICC100	PSTDICC100	PL091956.D	23 Sep 2024 11:32		AR\AJ	Ok
6	PSTDICC075	PSTDICC075	PL091957.D	23 Sep 2024 11:45		AR\AJ	Ok
7	PSTDICC050	PSTDICC050	PL091958.D	23 Sep 2024 11:59		AR\AJ	Ok
8	PSTDICC025	PSTDICC025	PL091959.D	23 Sep 2024 12:12		AR\AJ	Ok,M
9	PSTDICC005	PSTDICC005	PL091960.D	23 Sep 2024 12:26		AR\AJ	Ok,M
10	PCHLORICC1000	PCHLORICC1000	PL091961.D	23 Sep 2024 12:39		AR\AJ	Ok
11	PCHLORICC750	PCHLORICC750	PL091962.D	23 Sep 2024 12:52		AR\AJ	Ok
12	PCHLORICC500	PCHLORICC500	PL091963.D	23 Sep 2024 13:06		AR\AJ	Ok
13	PCHLORICC250	PCHLORICC250	PL091964.D	23 Sep 2024 13:19		AR\AJ	Ok
14	PCHLORICC050	PCHLORICC050	PL091965.D	23 Sep 2024 13:33		AR\AJ	Ok
15	PTOXICC1000	PTOXICC1000	PL091966.D	23 Sep 2024 13:46		AR\AJ	Ok
16	PTOXICC750	PTOXICC750	PL091967.D	23 Sep 2024 13:59		AR\AJ	Ok
17	PTOXICC500	PTOXICC500	PL091968.D	23 Sep 2024 14:13		AR\AJ	Ok
18	PTOXICC250	PTOXICC250	PL091969.D	23 Sep 2024 14:26		AR\AJ	Ok

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL092324

Review By	Abdul	Review On	9/24/2024 9:27:05 AM		
Supervise By	Ankita	Supervise On	9/24/2024 11:07:44 AM		
SubDirectory	PL092324	HP Acquire Method		HP Processing Method	pl092324 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23282,PP23517
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	PTOXICC100	PTOXICC100	PL091970.D	23 Sep 2024 14:40		AR\AJ	Ok,M
20	PSTDICV050	ICVPL092324	PL091971.D	23 Sep 2024 14:53		AR\AJ	Ok
21	PCHLORICV500	ICVPL092324CHLOR	PL091972.D	23 Sep 2024 15:20		AR\AJ	Ok
22	PTOXICV500	ICVPL092324TOX	PL091973.D	23 Sep 2024 15:47		AR\AJ	Ok
23	I.BLK	I.BLK	PL091974.D	23 Sep 2024 16:13		AR\AJ	Ok
24	PEM	PEM	PL091975.D	23 Sep 2024 16:27		AR\AJ	Ok,M
25	PSTDCCC050	PSTDCCC050	PL091976.D	23 Sep 2024 16:40		AR\AJ	Ok,M
26	PB163572BL	PB163572BL	PL091977.D	23 Sep 2024 16:54		AR\AJ	Ok
27	PB163572BS	PB163572BS	PL091978.D	23 Sep 2024 17:07		AR\AJ	Ok,M
28	P4103-02	WC-22A	PL091979.D	23 Sep 2024 17:20	TCMX low 1st column	AR\AJ	Ok,M
29	P4103-02MS	WC-22AMS	PL091980.D	23 Sep 2024 17:34	TCMX low 1st column	AR\AJ	Ok,M
30	P4103-02MSD	WC-22AMSD	PL091981.D	23 Sep 2024 17:47	TCMX low 1st column	AR\AJ	Ok,M
31	P4103-05	WC-14-5-7.5A	PL091982.D	23 Sep 2024 18:01		AR\AJ	Ok
32	P4103-08	WC-14-5-7.5B	PL091983.D	23 Sep 2024 18:14		AR\AJ	Ok,M
33	P4103-11	WC-14-7.5-10A	PL091984.D	23 Sep 2024 18:28		AR\AJ	Ok,M
34	P4103-14	WC-14-7.5-10B	PL091985.D	23 Sep 2024 18:41		AR\AJ	Ok,M
35	P4103-17	WC-23	PL091986.D	23 Sep 2024 18:55		AR\AJ	Ok,M
36	PB163511TB	PB163511TB	PL091987.D	23 Sep 2024 19:08		AR\AJ	Ok,M
37	I.BLK	I.BLK	PL091988.D	23 Sep 2024 19:21		AR\AJ	Ok,M

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL092324

Review By	Abdul	Review On	9/24/2024 9:27:05 AM		
Supervise By	Ankita	Supervise On	9/24/2024 11:07:44 AM		
SubDirectory	PL092324	HP Acquire Method		HP Processing Method	pl092324 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23282,PP23517
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

38	PSTDCCC050	PSTDCCC050	PL091989.D	23 Sep 2024 19:35		AR\AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL101224

Review By	Abdul	Review On	10/14/2024 8:53:28 AM		
Supervise By	Ankita	Supervise On	10/14/2024 9:18:39 AM		
SubDirectory	PL101224	HP Acquire Method		HP Processing Method	pl092324 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23282,PP23517
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PL092318.D	11 Oct 2024 08:29		AR\AJ	Ok
2	I.BLK	I.BLK	PL092319.D	11 Oct 2024 08:42		AR\AJ	Ok
3	PEM	PEM	PL092320.D	11 Oct 2024 08:56		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PL092321.D	11 Oct 2024 09:09		AR\AJ	Ok,M
5	PB164033BL	PB164033BL	PL092322.D	11 Oct 2024 09:23		AR\AJ	Ok,M
6	P4368-01	LOD-MDL-SOIL-01-QT	PL092323.D	11 Oct 2024 09:36	PEST LOD 1PPB SOIL	AR\AJ	Ok,M
7	P4368-07	LOD-MDL-WATER-01-(	PL092324.D	11 Oct 2024 10:12	PEST LOD 1PPB WATER	AR\AJ	Ok,M
8	P4368-01	LOD-MDL-SOIL-01-QT	PL092325.D	11 Oct 2024 10:29	PEST LOD 2.5PPB SOIL	AR\AJ	Ok,M
9	P4368-07	LOD-MDL-WATER-01-(	PL092326.D	11 Oct 2024 10:49	PEST LOD 2.5PPB WATER	AR\AJ	Ok,M
10	P4368-02	LOQ-SOIL-02-QT4-202	PL092327.D	11 Oct 2024 11:10	PEST LOQ 5PPB SOIL	AR\AJ	Ok,M
11	P4368-08	LOQ-WATER-02-QT4-2	PL092328.D	11 Oct 2024 11:23	PEST LOQ 5PPB WATER	AR\AJ	Ok,M
12	I.BLK	I.BLK	PL092329.D	11 Oct 2024 11:40		AR\AJ	Ok
13	PSTDCCC050	PSTDCCC050	PL092330.D	11 Oct 2024 11:54		AR\AJ	Ok,M
14	PB164067BL	PB164067BL	PL092331.D	11 Oct 2024 13:24		AR\AJ	Ok,M
15	PB164067BS	PB164067BS	PL092332.D	11 Oct 2024 13:37		AR\AJ	Ok,M
16	P4258-03	Chamberlain Ave	PL092333.D	11 Oct 2024 13:51		AR\AJ	Ok,M
17	P4385-02	SP-1	PL092334.D	11 Oct 2024 14:04		AR\AJ	Ok,M
18	P4385-04	SP-2	PL092335.D	11 Oct 2024 14:17		AR\AJ	Ok,M

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL101224

Review By	Abdul	Review On	10/14/2024 8:53:28 AM		
Supervise By	Ankita	Supervise On	10/14/2024 9:18:39 AM		
SubDirectory	PL101224	HP Acquire Method		HP Processing Method	pl092324 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23282,PP23517
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P4385-04MS	SP-2MS	PL092336.D	11 Oct 2024 14:31	4,4-DDE, 4,4-DDT Recovery Fail	AR\AJ	Ok,M
20	P4385-04MSD	SP-2MSD	PL092337.D	11 Oct 2024 14:44	4,4-DDE, 4,4-DDT Recovery Fail	AR\AJ	Ok,M
21	P4385-08	SP-4	PL092338.D	11 Oct 2024 14:58		AR\AJ	Ok,M
22	P4385-10	SP-5	PL092339.D	11 Oct 2024 15:11		AR\AJ	Ok,M
23	P4385-14	SP-7	PL092340.D	11 Oct 2024 15:25		AR\AJ	Ok,M
24	P4385-16	SP-8	PL092341.D	11 Oct 2024 15:38		AR\AJ	Ok,M
25	P4385-20	SP-10	PL092342.D	11 Oct 2024 15:52		AR\AJ	Ok,M
26	P4385-06	SP-3	PL092343.D	11 Oct 2024 16:32		AR\AJ	Ok,M
27	P4385-18	SP-9	PL092344.D	11 Oct 2024 16:59		AR\AJ	Ok,M
28	P4385-12	SP-6	PL092345.D	11 Oct 2024 17:18		AR\AJ	Ok,M
29	I.BLK	I.BLK	PL092346.D	11 Oct 2024 17:31		AR\AJ	Ok,M
30	PSTDCCC050	PSTDCCC050	PL092347.D	11 Oct 2024 17:48		AR\AJ	Ok,M

M : Manual Integration

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EXTRACTION LOGPAGE

PB164067

SOP ID:	M3541-ASE Extraction-14				
Clean Up SOP #:	Florisil			**Extraction Start Date :**	10/11/2024
Matrix :	Solid			**Extraction Start Time :**	09:00
Weigh By:	EH	**Extraction By:**	RJ	**Extraction End Date :**	10/11/2024
Balance check:	RJ	**Filter By:**	RJ	**Extraction End Time :**	12:00
Balance ID:	EX-SC-2	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	N/A	**Hood ID:**	3,7	**Supervisor By :**	rajesh

Extraction Method: ☐ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☑ Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	500 PPB	PP23638
Surrogate	1.0ML	200 PPB	PP23641
MDL	0.1ML	~~N/A~~ 100 PPB	PP23502
MDL 1	0.25ML	1000 PPB	PP23504
MDL 2	0.5ML	1000 PPB	PP23533

10/11

Chemical Used	ML/SAMPLE USED	Lot Number
Hexane/Acetone/1:1	N/A	EP2539
Baked Na2SO4	N/A	EP2543
Sand	N/A	E2865
Hexane	N/A	E3816
Florisil	N/A	E3806
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40 ML Vial lot# 03-40 BTS721.

KD Bath ID:	N/A	**Envap ID:**	NEVAP-02
KD Bath Temperature:	N/A	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/11/24	RP (Ext Lab)	AJ/ FST PCA Lab
12:05	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB164067

Analytical Method: M3541-ASE Extraction-14 **Concentration Date:** 10/11/2024

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By: AddedBy	Surr/Spike By: VerifiedBy	Final Vol. (mL)	JarID	Comments	Prep Pos
PB164067BL	PBLK067	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10			U7-1
PB164067BS	PLCS067	Pesticide-TCL	30.01	N/A	ritesh	Evelyn	10			2
P4258-03	CHAMBERLAIN AVE	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	A		3
P4368-03	MDL-SOIL-03-QT4-2024 0.1mL	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10			4
P4385-02	SP-1	Pesticide-TCL	30.04	N/A	ritesh	Evelyn	10	B		5
P4385-04	SP-2	Pesticide-TCL	30.07	N/A	ritesh	Evelyn	10	B		6
P4385-04MS	SP-2MS	Pesticide-TCL	30.08	N/A	ritesh	Evelyn	10	B		U5-1
P4385-04MSD	SP-2MSD	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	B		2
P4385-06	SP-3	Pesticide-TCL	30.05	N/A	ritesh	Evelyn	10	B		3
P4385-08	SP-4	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10	B		4
P4385-10	SP-5	Pesticide-TCL	30.01	N/A	ritesh	Evelyn	10	B		5
P4385-12	SP-6	Pesticide-TCL	30.10	N/A	ritesh	Evelyn	10	B		6
P4385-14	SP-7	Pesticide-TCL	30.04	N/A	ritesh	Evelyn	10	B		U1-1
P4385-16	SP-8	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	B		2
P4385-18	SP-9	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10	B		3
P4385-20	SP-10	Pesticide-TCL	30.05	N/A	ritesh	Evelyn	10	B		4
0.25mL	CHLORDANE	"	30.00	"	"	"	"			5
0.5mL	TOXAPHENE	"	30.02	"	"	"	10			6

* **Extracts relinquished on the same date as received.**

10/11/24

164067
9:02

WORKLIST(Hardcopy Internal Chain)

WorkList Name : P4258 **WorkList ID :** 184329 **Department :** Extraction **Date :** 10-11-2024 08:04:10

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4258-03	Chamberlain Ave	Solid	Pesticide-TCL	Cool 4 deg C	ROMA02	K21	10/01/2024	8081B
P4368-03	MDL-SOIL-03-QT4-2024	Solid	Pesticide-TCL	Cool 4 deg C	CHEM02	QA Of	10/09/2024	8081B
P4385-02	SP-1	Solid	Pesticide-TCL	Cool 4 deg C	SCHE03	K51	10/10/2024	8081B
P4385-04	SP-2	Solid	Pesticide-TCL	Cool 4 deg C	SCHE03	K51	10/10/2024	8081B
P4385-06	SP-3	Solid	Pesticide-TCL	Cool 4 deg C	SCHE03	K51	10/10/2024	8081B
P4385-08	SP-4	Solid	Pesticide-TCL	Cool 4 deg C	SCHE03	K51	10/10/2024	8081B
P4385-10	SP-5	Solid	Pesticide-TCL	Cool 4 deg C	SCHE03	K51	10/10/2024	8081B
P4385-12	SP-6	Solid	Pesticide-TCL	Cool 4 deg C	SCHE03	K51	10/10/2024	8081B
P4385-14	SP-7	Solid	Pesticide-TCL	Cool 4 deg C	SCHE03	K51	10/10/2024	8081B
P4385-16	SP-8	Solid	Pesticide-TCL	Cool 4 deg C	SCHE03	K51	10/10/2024	8081B
P4385-18	SP-9	Solid	Pesticide-TCL	Cool 4 deg C	SCHE03	K51	10/10/2024	8081B
P4385-20	SP-10	Solid	Pesticide-TCL	Cool 4 deg C	SCHE03	K51	10/10/2024	8081B

Date/Time 10/11/24 8:55
Raw Sample Received by: RJ (Ext Lab)
Raw Sample Relinquished by: JD(SM)

Date/Time 10/11/24 9:25
Raw Sample Received by: JD(SM)
Raw Sample Relinquished by: RJ (Ext Lab)

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LAB CHRONICLE

OrderID:	P4258	**OrderDate:**	10/1/2024 1:21:00 PM
Client:	Roman E&G Corp	**Project:**	Perth Amboy
Contact:	Mark Mattheiss	**Location:**	H11,H51,K11,K21

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4258-03	**Chamberlain Ave**	**SOIL**			**10/01/24**			**10/01/24**
			Herbicide	8151A		10/11/24	10/11/24	
			PCB	8082A		10/02/24	10/02/24	
			Pesticide-TCL	8081B		10/11/24	10/11/24	
P4258-04	**Chamberlain Ave**	**TCLP**			**10/01/24**			**10/01/24**
			TCLP Herbicide	8151A		10/03/24	10/04/24	
			TCLP Pesticide	8081B		10/03/24	10/03/24	

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Hit Summary Sheet
SW-846

SDG No.: P4258 **Order ID:** P4258

Client: Roman E&G Corp **Project ID:** Perth Amboy

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units

Client ID :

Total Concentration: 0.000

SAMPLE DATA

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	Roman E&G Corp	Date Collected:	10/01/24
Project:	Perth Amboy	Date Received:	10/01/24
Client Sample ID:	Chamberlain Ave	SDG No.:	P4258
Lab Sample ID:	P4258-04	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	100 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092225.D	1	10/03/24 11:50	10/03/24 17:49	PB163891

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.049	U	0.049	0.50	ug/L
76-44-8	Heptachlor	0.054	U	0.054	0.50	ug/L
1024-57-3	Heptachlor epoxide	0.090	U	0.090	0.50	ug/L
72-20-8	Endrin	0.043	U	0.043	0.50	ug/L
72-43-5	Methoxychlor	0.11	U	0.11	0.50	ug/L
8001-35-2	Toxaphene	1.50	U	1.50	10.0	ug/L
57-74-9	Chlordane	0.82	U	0.82	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	9.58		43 - 140	48%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.3		77 - 126	91%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Roman E&G Corp	Date Collected:	
Project:	Perth Amboy	Date Received:	10/03/24
Client Sample ID:	PB163851TB	SDG No.:	P4258
Lab Sample ID:	PB163851TB	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	100 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092224.D	1	10/03/24 11:50	10/03/24 17:36	PB163891

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.049	U	0.049	0.50	ug/L
76-44-8	Heptachlor	0.054	U	0.054	0.50	ug/L
1024-57-3	Heptachlor epoxide	0.090	U	0.090	0.50	ug/L
72-20-8	Endrin	0.043	U	0.043	0.50	ug/L
72-43-5	Methoxychlor	0.11	U	0.11	0.50	ug/L
8001-35-2	Toxaphene	1.50	U	1.50	10.0	ug/L
57-74-9	Chlordane	0.82	U	0.82	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.5		43 - 140	103%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.5		77 - 126	97%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

QC SUMMARY

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

Surrogate Summary

SDG No.: P4258

Client: Roman E&G Corp

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PL091953.D	PIBLK-PL091953.D	Decachlorobiphenyl	1	20	19.6	98		43	140
		Tetrachloro-m-xylene	1	20	19.0	95		77	126
		Decachlorobiphenyl	2	20	18.7	94		43	140
		Tetrachloro-m-xylene	2	20	18.3	92		77	126
I.BLK-PL092220.D	PIBLK-PL092220.D	Decachlorobiphenyl	1	20	20.1	100		43	140
		Tetrachloro-m-xylene	1	20	20.0	100		77	126
		Decachlorobiphenyl	2	20	18.8	94		43	140
		Tetrachloro-m-xylene	2	20	20.0	100		77	126
PB163891BL	PB163891BL	Decachlorobiphenyl	1	20	19.0	95		43	140
		Tetrachloro-m-xylene	1	20	17.9	90		77	126
		Decachlorobiphenyl	2	20	18.0	90		43	140
		Tetrachloro-m-xylene	2	20	17.1	86		77	126
PB163891BS	PB163891BS	Decachlorobiphenyl	1	20	19.3	96		43	140
		Tetrachloro-m-xylene	1	20	18.4	92		77	126
		Decachlorobiphenyl	2	20	18.5	93		43	140
		Tetrachloro-m-xylene	2	20	17.9	90		77	126
PB163851TB	PB163851TB	Decachlorobiphenyl	1	20	20.5	103		43	140
		Tetrachloro-m-xylene	1	20	19.5	97		77	126
		Decachlorobiphenyl	2	20	19.7	99		43	140
		Tetrachloro-m-xylene	2	20	19.2	96		77	126
P4258-04	Chamberlain Ave	Decachlorobiphenyl	1	20	9.58	48		43	140
		Tetrachloro-m-xylene	1	20	17.7	88		77	126
		Decachlorobiphenyl	2	20	9.39	47		43	140
		Tetrachloro-m-xylene	2	20	18.3	91		77	126
P4258-04MS	Chamberlain AveMS	Decachlorobiphenyl	1	20	13.9	69		43	140
		Tetrachloro-m-xylene	1	20	16.2	81		77	126
		Decachlorobiphenyl	2	20	13.4	67		43	140
		Tetrachloro-m-xylene	2	20	16.5	83		77	126
P4258-04MSD	Chamberlain AveMSD	Decachlorobiphenyl	1	20	13.9	70		43	140
		Tetrachloro-m-xylene	1	20	16.8	84		77	126
		Decachlorobiphenyl	2	20	13.4	67		43	140
		Tetrachloro-m-xylene	2	20	16.8	84		77	126
I.BLK-PL092228.D	PIBLK-PL092228.D	Decachlorobiphenyl	1	20	21.0	105		43	140
		Tetrachloro-m-xylene	1	20	20.1	101		77	126
		Decachlorobiphenyl	2	20	20.3	102		43	140
		Tetrachloro-m-xylene	2	20	19.9	100		77	126

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4258

Client: Roman E&G Corp

Analytical Method: 8081B **DataFile :** PL092226.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Client Sample ID:	**Chamberlain AveMS**											
P4258-04MS	gamma-BHC (Lindane)	5	0	6.30	ug/L	126				60	152	
	Heptachlor	5	0	4.80	ug/L	96				56	147	
	Heptachlor epoxide	5	0	4.90	ug/L	98				77	143	
	Endrin	5	0	4.70	ug/L	94				76	144	
	Methoxychlor	5	0	4.60	ug/L	92				70	142	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4258

Client: Roman E&G Corp

Analytical Method: 8081B **DataFile :** PL092227.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Client Sample ID:	**Chamberlain AveMSD**											
P4258-04MSD	gamma-BHC (Lindane)	5	0	5.80	ug/L	116		8		60	152	20
	Heptachlor	5	0	4.80	ug/L	96		0		56	147	20
	Heptachlor epoxide	5	0	4.90	ug/L	98		0		77	143	20
	Endrin	5	0	4.80	ug/L	96		2		76	144	20
	Methoxychlor	5	0	4.60	ug/L	92		0		70	142	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4258

Client: Roman E&G Corp

Analytical Method: 8081B **Datafile :** PL092223.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB163891BS	gamma-BHC (Lindane)	0.5	0.53	ug/L	106				82	129	
	Heptachlor	0.5	0.53	ug/L	107				79	127	
	Heptachlor epoxide	0.5	0.55	ug/L	109				81	124	
	Endrin	0.5	0.53	ug/L	105				81	128	
	Methoxychlor	0.5	0.50	ug/L	100				78	108	

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4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB163891BL

Lab Name: CHEMTECH Contract: ROMA02

Lab Code: CHEM Case No.: P4258 SAS No.: P4258 SDG NO.: P4258

Lab Sample ID: PB163891BL Lab File ID: PL092222.D

Matrix: (soil/water) water Extraction: (Type)

Sulfur Cleanup: (Y/N) N Date Extracted: 10/03/2024

Date Analyzed (1): 10/03/2024 Date Analyzed (2): 10/03/2024

Time Analyzed (1): 17:09 Time Analyzed (2): 17:09

Instrument ID (1): ECD_L Instrument ID (2): ECD_L

GC Column (1): ZB-MR2 ID: 0.32 (mm) GC Column (2): ZB-MR1 ID: 0.32 (mm)

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
PB163891BS	PB163891BS	PL092223.D	10/03/2024	10/03/2024
PB163851TB	PB163851TB	PL092224.D	10/03/2024	10/03/2024
Chamberlain Ave	P4258-04	PL092225.D	10/03/2024	10/03/2024
Chamberlain AveMS	P4258-04MS	PL092226.D	10/03/2024	10/03/2024
Chamberlain AveMSD	P4258-04MSD	PL092227.D	10/03/2024	10/03/2024

COMMENTS:

QC SAMPLE DATA

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Report of Analysis

Client:	Roman E&G Corp	Date Collected:	
Project:	Perth Amboy	Date Received:	
Client Sample ID:	PB163891BL	SDG No.:	P4258
Lab Sample ID:	PB163891BL	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092222.D	1	10/03/24 11:50	10/03/24 17:09	PB163891

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
57-74-9	Chlordane	0.082	U	0.082	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.0		43 - 140	95%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.9		77 - 126	90%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Roman E&G Corp	Date Collected:	09/23/24
Project:	Perth Amboy	Date Received:	09/23/24
Client Sample ID:	PIBLK-PL091953.D	SDG No.:	P4258
Lab Sample ID:	I.BLK-PL091953.D	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL091953.D	1		09/23/24	PL092324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
57-74-9	Chlordane	0.082	U	0.082	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.6		43 - 140	98%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.0		77 - 126	95%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Roman E&G Corp	Date Collected:	10/03/24
Project:	Perth Amboy	Date Received:	10/03/24
Client Sample ID:	PIBLK-PL092220.D	SDG No.:	P4258
Lab Sample ID:	I.BLK-PL092220.D	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092220.D	1		10/03/24	PL100524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
57-74-9	Chlordane	0.082	U	0.082	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.1		43 - 140	100%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.0		77 - 126	100%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Roman E&G Corp	Date Collected:	10/03/24
Project:	Perth Amboy	Date Received:	10/03/24
Client Sample ID:	PIBLK-PL092228.D	SDG No.:	P4258
Lab Sample ID:	I.BLK-PL092228.D	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092228.D	1		10/03/24	PL100524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
57-74-9	Chlordane	0.082	U	0.082	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.0		43 - 140	105%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.1		77 - 126	101%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Roman E&G Corp	Date Collected:	
Project:	Perth Amboy	Date Received:	
Client Sample ID:	PB163891BS	SDG No.:	P4258
Lab Sample ID:	PB163891BS	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092223.D	1	10/03/24 11:50	10/03/24 17:22	PB163891

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.53		0.0049	0.050	ug/L
76-44-8	Heptachlor	0.53		0.0054	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.55		0.0090	0.050	ug/L
72-20-8	Endrin	0.53		0.0043	0.050	ug/L
72-43-5	Methoxychlor	0.50		0.011	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
57-74-9	Chlordane	0.082	U	0.082	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.3		43 - 140	96%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.4		77 - 126	92%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Roman E&G Corp	Date Collected:	10/01/24
Project:	Perth Amboy	Date Received:	10/01/24
Client Sample ID:	Chamberlain AveMS	SDG No.:	P4258
Lab Sample ID:	P4258-04MS	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	100 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092226.D	1	10/03/24 11:50	10/03/24 18:02	PB163891

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	6.30	P	0.049	0.50	ug/L
76-44-8	Heptachlor	4.80		0.054	0.50	ug/L
1024-57-3	Heptachlor epoxide	4.90		0.090	0.50	ug/L
72-20-8	Endrin	4.70		0.043	0.50	ug/L
72-43-5	Methoxychlor	4.60		0.11	0.50	ug/L
8001-35-2	Toxaphene	1.50	U	1.50	10.0	ug/L
57-74-9	Chlordane	0.82	U	0.82	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	13.9		43 - 140	69%	SPK: 20
877-09-8	Tetrachloro-m-xylene	16.5		77 - 126	83%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Roman E&G Corp	Date Collected:	10/01/24
Project:	Perth Amboy	Date Received:	10/01/24
Client Sample ID:	Chamberlain AveMSD	SDG No.:	P4258
Lab Sample ID:	P4258-04MSD	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	100 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092227.D	1	10/03/24 11:50	10/03/24 18:16	PB163891

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	5.80		0.049	0.50	ug/L
76-44-8	Heptachlor	4.80		0.054	0.50	ug/L
1024-57-3	Heptachlor epoxide	4.90		0.090	0.50	ug/L
72-20-8	Endrin	4.80		0.043	0.50	ug/L
72-43-5	Methoxychlor	4.60		0.11	0.50	ug/L
8001-35-2	Toxaphene	1.50	U	1.50	10.0	ug/L
57-74-9	Chlordane	0.82	U	0.82	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	13.9		43 - 140	70%	SPK: 20
877-09-8	Tetrachloro-m-xylene	16.8		77 - 126	84%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

CALIBRATION SUMMARY

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Instrument ID: ECD_L **Calibration Date(s):** 09/23/2024 09/23/2024

Calibration Times: 11:32 12:26

GC Column: ZB-MR2 ID: 0.32 (mm)

LAB FILE ID: RT 100 = PL091956.D RT 075 = PL091957.D

RT 050 = PL091958.D RT 025 = PL091959.D RT 005 = PL091960.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Decachlorobiphenyl	9.06	9.06	9.06	9.06	9.06	9.06	8.96	9.16
Endrin	6.58	6.58	6.58	6.58	6.58	6.58	6.48	6.68
gamma-BHC (Lindane)	4.33	4.33	4.33	4.33	4.33	4.33	4.23	4.43
Heptachlor	4.92	4.92	4.92	4.92	4.92	4.92	4.82	5.02
Heptachlor epoxide	5.69	5.69	5.69	5.69	5.69	5.69	5.59	5.79
Methoxychlor	7.50	7.50	7.50	7.50	7.50	7.50	7.40	7.60
Tetrachloro-m-xylene	3.54	3.54	3.54	3.54	3.54	3.54	3.44	3.64

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Instrument ID: ECD_L **Calibration Date(s):** 09/23/2024 09/23/2024

Calibration Times: 11:32 12:26

GC Column: ZB-MR1 ID: 0.32 (mm)

LAB FILE ID: RT 100 = PL091956.D RT 075 = PL091957.D

RT 050 = PL091958.D RT 025 = PL091959.D RT 005 = PL091960.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Decachlorobiphenyl	7.92	7.92	7.92	7.92	7.92	7.92	7.82	8.02
Endrin	5.65	5.65	5.65	5.65	5.65	5.65	5.55	5.75
gamma-BHC (Lindane)	3.62	3.62	3.62	3.62	3.62	3.62	3.52	3.72
Heptachlor	3.96	3.96	3.96	3.96	3.96	3.95	3.85	4.05
Heptachlor epoxide	4.74	4.74	4.74	4.74	4.74	4.74	4.64	4.84
Methoxychlor	6.62	6.62	6.62	6.62	6.62	6.62	6.52	6.72
Tetrachloro-m-xylene	2.78	2.78	2.78	2.78	2.78	2.78	2.68	2.88

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Instrument ID: ECD_L **Calibration Date(s):** 09/23/2024 09/23/2024

Calibration Times: 11:32 12:26

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

LAB FILE ID: **CF 100 =** PL091956.D **CF 075 =** PL091957.D

CF 050 = PL091958.D **CF 025 =** PL091959.D **CF 005 =** PL091960.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
Decachlorobiphenyl	1514180000	1546290000	1590790000	1642930000	1896960000	1638230000	9
Endrin	1940880000	1934170000	1971650000	2016300000	2440480000	2060700000	10
gamma-BHC (Lindane)	2990410000	2948600000	2949110000	2954630000	3651280000	3098800000	10
Heptachlor	2590450000	2581810000	2624270000	2731930000	3298830000	2765460000	11
Heptachlor epoxide	2355250000	2419410000	2410600000	2493740000	3045980000	2544990000	11
Methoxychlor	913738000	926950000	954169000	973623000	1140080000	981712000	9
Tetrachloro-m-xylene	2128490000	2125270000	2145440000	2197480000	2526630000	2224660000	8

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Instrument ID: ECD_L

Calibration Date(s): 09/23/2024 09/23/2024

Calibration Times: 11:32 12:26

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

LAB FILE ID: **CF 100 =** PL091956.D **CF 075 =** PL091957.D

CF 050 = PL091958.D **CF 025 =** PL091959.D **CF 005 =** PL091960.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
Decachlorobiphenyl	2374340000	2399600000	2428470000	2478660000	2828640000	2501940000	7
Endrin	2724440000	2642180000	2624570000	2477520000	2642190000	2622180000	3
gamma-BHC (Lindane)	3775710000	3629090000	3577820000	3312530000	3359720000	3530980000	5
Heptachlor	3553790000	3434350000	3431490000	3238430000	3595010000	3450610000	4
Heptachlor epoxide	3090900000	2996730000	3012410000	2873000000	3141390000	3022890000	3
Methoxychlor	1228030000	1222750000	1234080000	1223180000	1343690000	1250350000	4
Tetrachloro-m-xylene	2544530000	2497760000	2476670000	2384990000	2636430000	2508080000	4

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Instrument ID: ECD_L **Date(s) Analyzed:** 09/23/2024 09/23/2024

GC Column: ZB-MR2 **ID:** 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Chlordane	500	1	4.71	4.61	4.81	98915300
		2	5.24	5.14	5.34	102853000
		3	5.95	5.85	6.05	355337000
		4	6.03	5.93	6.13	432063000
		5	6.88	6.78	6.98	84140800
Toxaphene	500	1	6.24	6.14	6.34	22665300
		2	6.45	6.35	6.55	13922000
		3	7.06	6.96	7.16	70960500
		4	7.15	7.05	7.25	53851200
		5	7.94	7.84	8.04	39727000

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Instrument ID: ECD_L **Date(s) Analyzed:** 09/23/2024 09/23/2024

GC Column: ZB-MR1 **ID:** 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Chlordane	500	1	3.78	3.68	3.88	98097600
		2	4.36	4.26	4.46	109311000
		3	4.99	4.89	5.09	329535000
		4	5.05	4.95	5.15	315560000
		5	5.95	5.85	6.05	108292000
Toxaphene	500	1	5.01	4.91	5.11	18093600
		2	5.34	5.24	5.44	17271700
		3	6.61	6.51	6.71	63995900
		4	6.74	6.64	6.84	88666300
		5	7.05	6.95	7.15	60349700

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CALIBRATION VERIFICATION SUMMARY

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Continuing Calib Date: 10/03/2024 **Initial Calibration Date(s):** 09/23/2024 09/23/2024

Continuing Calib Time: 15:02 **Initial Calibration Time(s):** 11:32 12:26

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.06	9.06	8.96	9.16	0.00
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.92	4.92	4.82	5.02	0.00
Heptachlor epoxide	5.69	5.69	5.59	5.79	0.00
Endrin	6.58	6.58	6.48	6.68	0.00
Methoxychlor	7.50	7.50	7.40	7.60	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Continuing Calib Date: 10/03/2024 **Initial Calibration Date(s):** 09/23/2024 09/23/2024

Continuing Calib Time: 15:02 **Initial Calibration Time(s):** 11:32 12:26

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	7.92	7.92	7.82	8.02	0.00
Tetrachloro-m-xylene	2.78	2.78	2.68	2.88	0.00
gamma-BHC (Lindane)	3.61	3.62	3.52	3.72	0.01
Heptachlor	3.95	3.96	3.86	4.06	0.01
Heptachlor epoxide	4.74	4.74	4.64	4.84	0.00
Endrin	5.65	5.65	5.55	5.75	0.00
Methoxychlor	6.62	6.62	6.52	6.72	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 09/23/2024 09/23/2024

Client Sample No.: CCAL01 **Date Analyzed:** 10/03/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL092221.D **Time Analyzed:** 15:02

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.059	8.960	9.160	49.630	50.000	-0.7
Endrin	6.578	6.479	6.679	43.850	50.000	-12.3
gamma-BHC (Lindane)	4.331	4.232	4.432	49.210	50.000	-1.6
Heptachlor	4.919	4.820	5.020	48.340	50.000	-3.3
Heptachlor epoxide	5.688	5.589	5.789	48.700	50.000	-2.6
Methoxychlor	7.502	7.404	7.604	46.560	50.000	-6.9
Tetrachloro-m-xylene	3.542	3.444	3.644	51.160	50.000	2.3

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CALIBRATION VERIFICATION SUMMARY

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 09/23/2024 09/23/2024

Client Sample No.: CCAL01 **Date Analyzed:** 10/03/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL092221.D **Time Analyzed:** 15:02

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.921	7.823	8.023	47.460	50.000	-5.1
Endrin	5.646	5.548	5.748	47.570	50.000	-4.9
gamma-BHC (Lindane)	3.614	3.516	3.716	53.910	50.000	7.8
Heptachlor	3.953	3.855	4.055	51.650	50.000	3.3
Heptachlor epoxide	4.736	4.638	4.838	52.500	50.000	5.0
Methoxychlor	6.619	6.521	6.721	46.900	50.000	-6.2
Tetrachloro-m-xylene	2.781	2.682	2.882	53.960	50.000	7.9

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CALIBRATION VERIFICATION SUMMARY

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Continuing Calib Date: 10/03/2024 **Initial Calibration Date(s):** 09/23/2024 09/23/2024

Continuing Calib Time: 18:43 **Initial Calibration Time(s):** 11:32 12:26

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.06	9.06	8.96	9.16	0.00
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.92	4.92	4.82	5.02	0.00
Heptachlor epoxide	5.69	5.69	5.59	5.79	0.00
Endrin	6.58	6.58	6.48	6.68	0.00
Methoxychlor	7.50	7.50	7.40	7.60	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Continuing Calib Date: 10/03/2024 **Initial Calibration Date(s):** 09/23/2024 09/23/2024

Continuing Calib Time: 18:43 **Initial Calibration Time(s):** 11:32 12:26

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	7.92	7.92	7.82	8.02	0.00
Tetrachloro-m-xylene	2.78	2.78	2.68	2.88	0.00
gamma-BHC (Lindane)	3.61	3.62	3.52	3.72	0.01
Heptachlor	3.95	3.96	3.86	4.06	0.01
Heptachlor epoxide	4.74	4.74	4.64	4.84	0.00
Endrin	5.65	5.65	5.55	5.75	0.00
Methoxychlor	6.62	6.62	6.52	6.72	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 09/23/2024 09/23/2024

Client Sample No.: CCAL02 **Date Analyzed:** 10/03/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL092229.D **Time Analyzed:** 18:43

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.058	8.960	9.160	50.740	50.000	1.5
Endrin	6.577	6.479	6.679	44.550	50.000	-10.9
gamma-BHC (Lindane)	4.331	4.232	4.432	49.990	50.000	0.0
Heptachlor	4.920	4.820	5.020	48.750	50.000	-2.5
Heptachlor epoxide	5.688	5.589	5.789	51.430	50.000	2.9
Methoxychlor	7.502	7.404	7.604	46.940	50.000	-6.1
Tetrachloro-m-xylene	3.542	3.444	3.644	51.560	50.000	3.1

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CALIBRATION VERIFICATION SUMMARY

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 09/23/2024 09/23/2024

Client Sample No.: CCAL02 **Date Analyzed:** 10/03/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL092229.D **Time Analyzed:** 18:43

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.920	7.823	8.023	50.700	50.000	1.4
Endrin	5.646	5.548	5.748	48.820	50.000	-2.4
gamma-BHC (Lindane)	3.614	3.516	3.716	54.820	50.000	9.6
Heptachlor	3.953	3.855	4.055	51.780	50.000	3.6
Heptachlor epoxide	4.736	4.638	4.838	53.650	50.000	7.3
Methoxychlor	6.618	6.521	6.721	48.280	50.000	-3.4
Tetrachloro-m-xylene	2.781	2.682	2.882	53.800	50.000	7.6

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PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 09/23/2024 09/23/2024

Client Sample No. (PEM): PEM - PL091954.D **Date Analyzed:** 09/23/2024

Lab Sample No.(PEM): PEM **Time Analyzed:** 11:05

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.061	8.960	9.160	19.830	20.000	-0.9
Tetrachloro-m-xylene	3.544	3.490	3.590	20.070	20.000	0.4
alpha-BHC	3.999	3.950	4.050	10.180	10.000	1.8
beta-BHC	4.529	4.480	4.580	10.750	10.000	7.5
gamma-BHC (Lindane)	4.332	4.280	4.380	10.100	10.000	1.0
Endrin	6.579	6.510	6.650	43.290	50.000	-13.4
4,4'-DDT	7.028	6.960	7.100	90.240	100.000	-9.8
Methoxychlor	7.504	7.430	7.570	212.390	250.000	-15.0

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 09/23/2024 09/23/2024

Client Sample No. (PEM): PEM - PL091954.D **Date Analyzed:** 09/23/2024

Lab Sample No.(PEM): PEM **Time Analyzed:** 11:05

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.923	7.820	8.020	19.350	20.000	-3.3
Tetrachloro-m-xylene	2.782	2.730	2.830	19.290	20.000	-3.6
alpha-BHC	3.285	3.230	3.340	9.220	10.000	-7.8
beta-BHC	3.915	3.860	3.970	10.540	10.000	5.4
gamma-BHC (Lindane)	3.616	3.570	3.670	8.880	10.000	-11.2
Endrin	5.648	5.580	5.720	46.450	50.000	-7.1
4,4'-DDT	6.047	5.980	6.120	104.950	100.000	5.0
Methoxychlor	6.621	6.550	6.690	232.550	250.000	-7.0

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PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 09/23/2024 09/23/2024

Client Sample No. (PEM): PEM - PL092208.D **Date Analyzed:** 10/03/2024

Lab Sample No.(PEM): PEM **Time Analyzed:** 10:37

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.060	8.960	9.160	25.850	20.000	29.3
Tetrachloro-m-xylene	3.543	3.490	3.590	26.580	20.000	32.9
alpha-BHC	3.998	3.950	4.050	13.590	10.000	35.9
beta-BHC	4.528	4.480	4.580	13.970	10.000	39.7
gamma-BHC (Lindane)	4.331	4.280	4.380	12.920	10.000	29.2
Endrin	6.578	6.510	6.650	51.850	50.000	3.7
4,4'-DDT	7.028	6.960	7.100	113.150	100.000	13.2
Methoxychlor	7.504	7.430	7.570	272.260	250.000	8.9

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 09/23/2024 09/23/2024

Client Sample No. (PEM): PEM - PL092208.D **Date Analyzed:** 10/03/2024

Lab Sample No.(PEM): PEM **Time Analyzed:** 10:37

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.921	7.820	8.020	24.580	20.000	22.9
Tetrachloro-m-xylene	2.781	2.730	2.830	26.260	20.000	31.3
alpha-BHC	3.284	3.230	3.330	12.610	10.000	26.1
beta-BHC	3.913	3.860	3.960	14.020	10.000	40.2
gamma-BHC (Lindane)	3.614	3.560	3.660	12.210	10.000	22.1
Endrin	5.646	5.580	5.720	59.890	50.000	19.8
4,4'-DDT	6.044	5.970	6.110	135.410	100.000	35.4
Methoxychlor	6.619	6.550	6.690	292.740	250.000	17.1

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Analytical Sequence

Client: Roman E&G Corp **SDG No.:** P4258

Project: Perth Amboy **Instrument ID:** ECD_L

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 09/23/2024 09/23/2024

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	09/23/2024	10:52	PL091953.D	9.06	3.54
PEM	PEM	09/23/2024	11:05	PL091954.D	9.06	3.54
RESCHK	RESCHK	09/23/2024	11:19	PL091955.D	9.06	3.54
PSTDICC100	PSTDICC100	09/23/2024	11:32	PL091956.D	9.06	3.54
PSTDICC075	PSTDICC075	09/23/2024	11:45	PL091957.D	9.06	3.54
PSTDICC050	PSTDICC050	09/23/2024	11:59	PL091958.D	9.06	3.54
PSTDICC025	PSTDICC025	09/23/2024	12:12	PL091959.D	9.06	3.54
PSTDICC005	PSTDICC005	09/23/2024	12:26	PL091960.D	9.06	3.54
PCHLORICC500	PCHLORICC500	09/23/2024	13:06	PL091963.D	9.06	3.54
PTOXICC500	PTOXICC500	09/23/2024	14:13	PL091968.D	9.06	3.54
PEM	PEM	10/03/2024	10:37	PL092208.D	9.06	3.54
I.BLK	I.BLK	10/03/2024	14:49	PL092220.D	9.06	3.54
PSTDCCC050	PSTDCCC050	10/03/2024	15:02	PL092221.D	9.06	3.54
PB163891BL	PB163891BL	10/03/2024	17:09	PL092222.D	9.07	3.55
PB163891BS	PB163891BS	10/03/2024	17:22	PL092223.D	9.06	3.54
PB163851TB	PB163851TB	10/03/2024	17:36	PL092224.D	9.06	3.54
Chamberlain Ave	P4258-04	10/03/2024	17:49	PL092225.D	9.06	3.54
Chamberlain AveMS	P4258-04MS	10/03/2024	18:02	PL092226.D	9.06	3.54
Chamberlain AveMSD	P4258-04MSD	10/03/2024	18:16	PL092227.D	9.06	3.54
I.BLK	I.BLK	10/03/2024	18:29	PL092228.D	9.06	3.54
PSTDCCC050	PSTDCCC050	10/03/2024	18:43	PL092229.D	9.06	3.54

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Analytical Sequence

Client: Roman E&G Corp **SDG No.:** P4258

Project: Perth Amboy **Instrument ID:** ECD_L

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 09/23/2024 09/23/2024

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	09/23/2024	10:52	PL091953.D	7.92	2.78
PEM	PEM	09/23/2024	11:05	PL091954.D	7.92	2.78
RESCHK	RESCHK	09/23/2024	11:19	PL091955.D	7.92	2.78
PSTDICC100	PSTDICC100	09/23/2024	11:32	PL091956.D	7.92	2.78
PSTDICC075	PSTDICC075	09/23/2024	11:45	PL091957.D	7.92	2.78
PSTDICC050	PSTDICC050	09/23/2024	11:59	PL091958.D	7.92	2.78
PSTDICC025	PSTDICC025	09/23/2024	12:12	PL091959.D	7.92	2.78
PSTDICC005	PSTDICC005	09/23/2024	12:26	PL091960.D	7.92	2.78
PCHLORICC500	PCHLORICC500	09/23/2024	13:06	PL091963.D	7.92	2.78
PTOXICC500	PTOXICC500	09/23/2024	14:13	PL091968.D	7.92	2.78
PEM	PEM	10/03/2024	10:37	PL092208.D	7.92	2.78
I.BLK	I.BLK	10/03/2024	14:49	PL092220.D	7.92	2.78
PSTDCCC050	PSTDCCC050	10/03/2024	15:02	PL092221.D	7.92	2.78
PB163891BL	PB163891BL	10/03/2024	17:09	PL092222.D	7.92	2.78
PB163891BS	PB163891BS	10/03/2024	17:22	PL092223.D	7.92	2.78
PB163851TB	PB163851TB	10/03/2024	17:36	PL092224.D	7.92	2.78
Chamberlain Ave	P4258-04	10/03/2024	17:49	PL092225.D	7.92	2.78
Chamberlain AveMS	P4258-04MS	10/03/2024	18:02	PL092226.D	7.92	2.78
Chamberlain AveMSD	P4258-04MSD	10/03/2024	18:16	PL092227.D	7.92	2.78
I.BLK	I.BLK	10/03/2024	18:29	PL092228.D	7.92	2.78
PSTDCCC050	PSTDCCC050	10/03/2024	18:43	PL092229.D	7.92	2.78

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

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

Chamberlain AveMS

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Lab Sample ID: P4258-04MS **Date(s) Analyzed:** 10/03/2024 10/03/2024

Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L

GC Column: (1): ZB-MR2 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR1 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Methoxychlor	1	7.50	7.45	7.55	4.50	2.2
	2	6.62	6.57	6.67	4.60	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	6.30	31.2
	2	3.61	3.56	3.66	4.60	
Heptachlor	1	4.92	4.87	4.97	4.50	6.5
	2	3.95	3.90	4.00	4.80	
Heptachlor epoxide	1	5.69	5.64	5.74	4.40	10.8
	2	4.74	4.69	4.79	4.90	
Endrin	1	6.58	6.53	6.63	4.30	8.9
	2	5.65	5.60	5.70	4.70	

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

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.
Chamberlain AveMSD

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Lab Sample ID: P4258-04MSD **Date(s) Analyzed:** 10/03/2024 10/03/2024

Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L

GC Column: (1): ZB-MR2 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR1 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Methoxychlor	1	7.50	7.45	7.55	4.50	2.2
	2	6.62	6.57	6.67	4.60	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	5.80	23.1
	2	3.61	3.56	3.66	4.60	
Heptachlor	1	4.92	4.87	4.97	4.50	6.5
	2	3.95	3.90	4.00	4.80	
Heptachlor epoxide	1	5.69	5.64	5.74	4.40	10.8
	2	4.74	4.69	4.79	4.90	
Endrin	1	6.58	6.53	6.63	4.30	11
	2	5.65	5.60	5.70	4.80	

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

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB163891BS

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Lab Sample ID: PB163891BS **Date(s) Analyzed:** 10/03/2024 10/03/2024

Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L

GC Column: (1): ZB-MR2 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR1 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Methoxychlor	1	7.50	7.45	7.55	0.50	0.7
	2	6.62	6.57	6.67	0.49	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	0.48	9
	2	3.62	3.57	3.67	0.53	
Heptachlor	1	4.92	4.87	4.97	0.50	6.8
	2	3.95	3.90	4.00	0.53	
Heptachlor epoxide	1	5.69	5.64	5.74	0.50	8.9
	2	4.74	4.69	4.79	0.55	
Endrin	1	6.58	6.53	6.63	0.47	12.1
	2	5.65	5.60	5.70	0.53	

SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL100524\
Data File : PL092225.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Oct 2024 17:49
Operator : AR\AJ
Sample : P4258-04
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
Chamberlain Ave

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 10/04/2024
Supervised By :Ankita Jodhani 10/04/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 04 02:54:05 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 16:44:57 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.543	2.781	39305469	45781255	17.668	18.254
28)	SA Decachlor...	9.057	7.921	15692554	23482824	9.579m	9.386
	Target Compounds						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

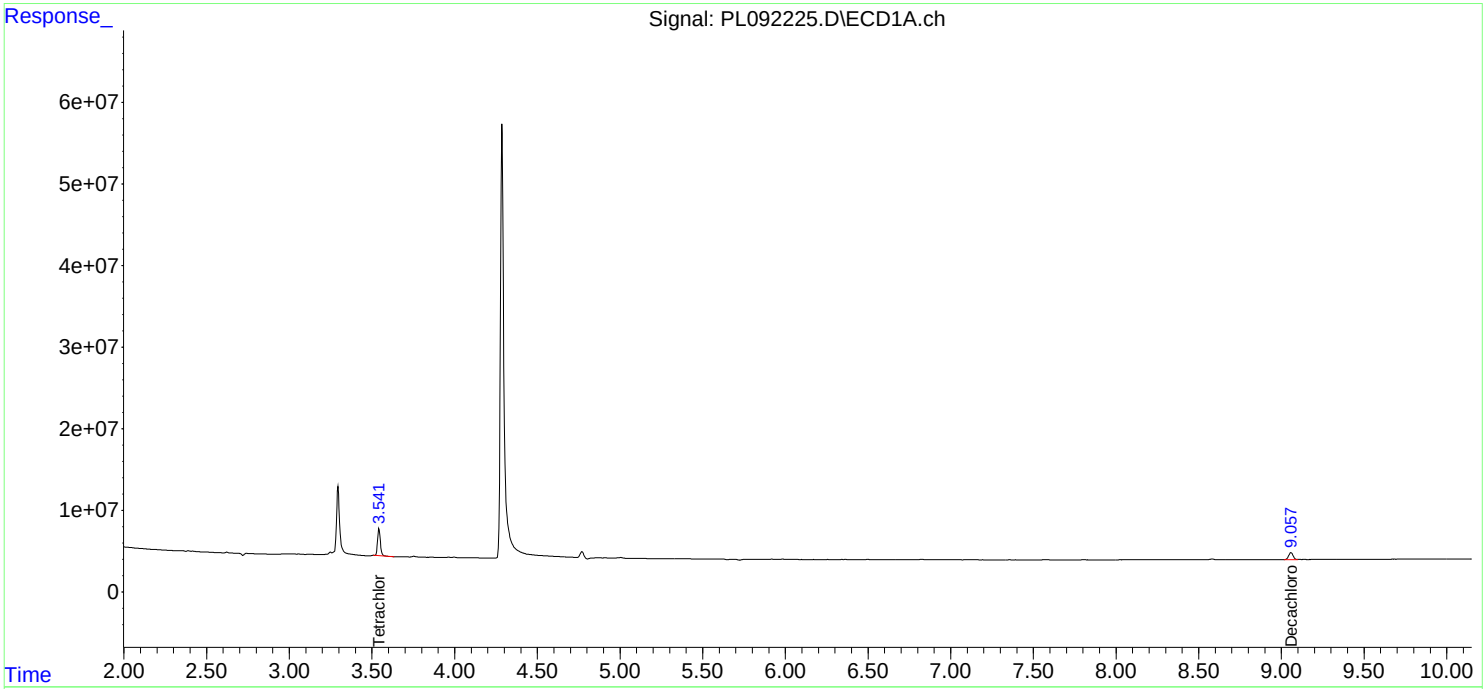
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL100524\
Data File : PL092225.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Oct 2024 17:49
Operator : AR\AJ
Sample : P4258-04
Misc :
ALS Vial : 18 Sample Multiplier: 1

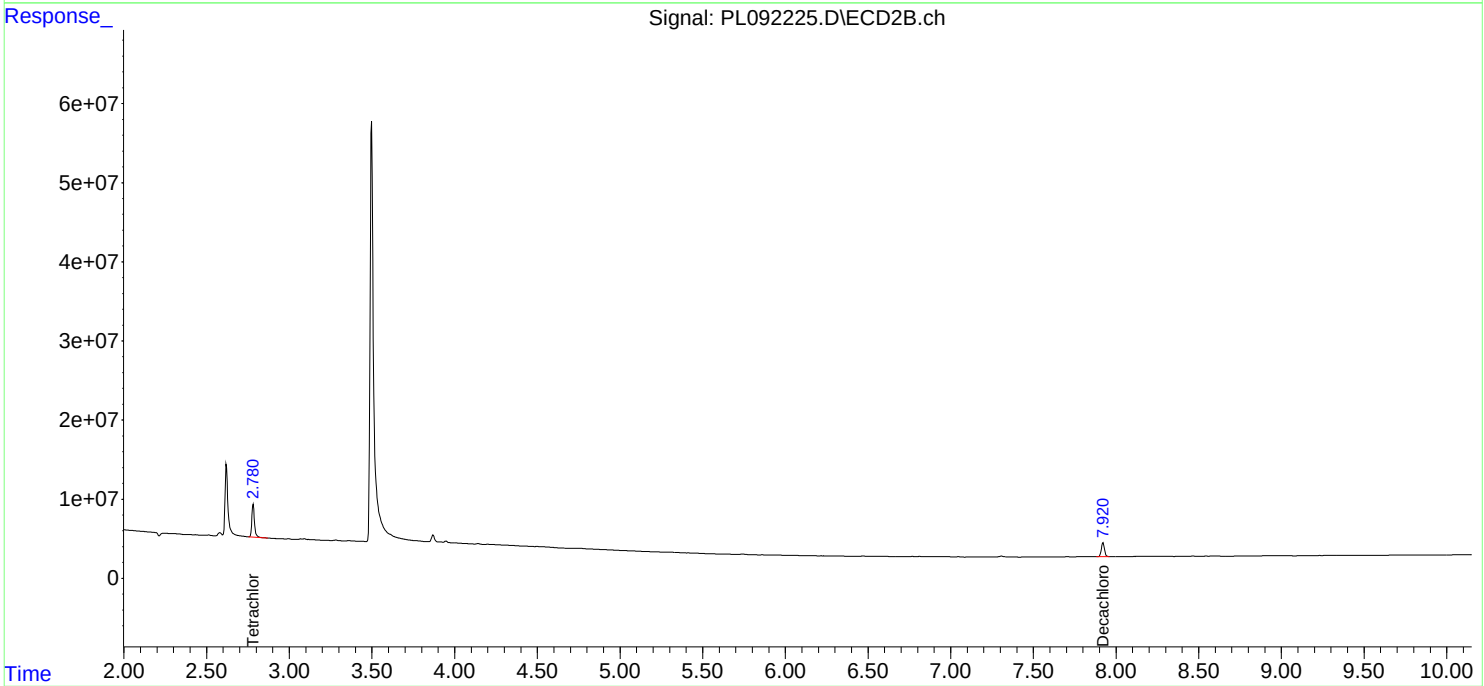
Instrument :
ECD_L
ClientSampleId :
Chamberlain Ave

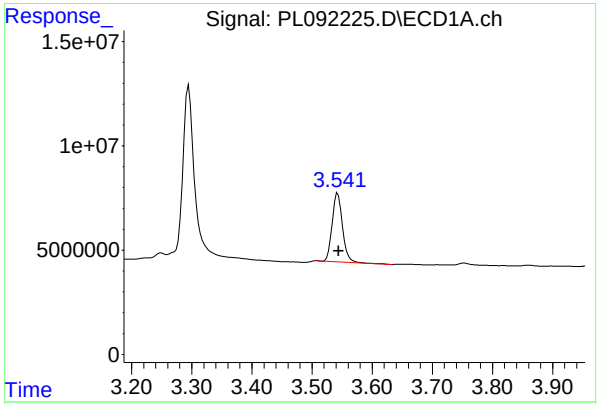
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 10/04/2024
Supervised By :Ankita Jodhani 10/04/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 04 02:54:05 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 16:44:57 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm







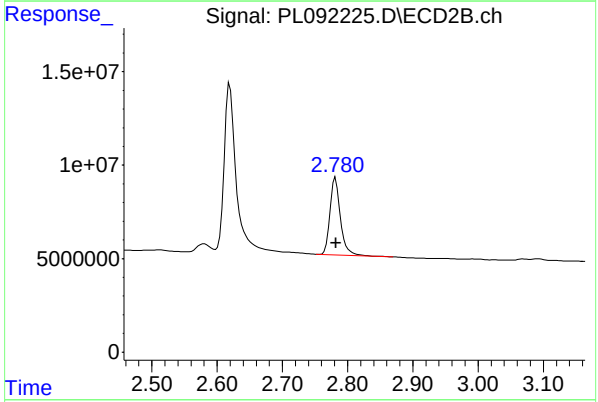
#1 Tetrachloro-m-xylene

R.T.: 3.543 min
Delta R.T.: -0.001 mi
Response: 39305469
Conc: 17.67 ng/m

Instrument :
ECD_L
ClientSampleId :
Chamberlain Ave

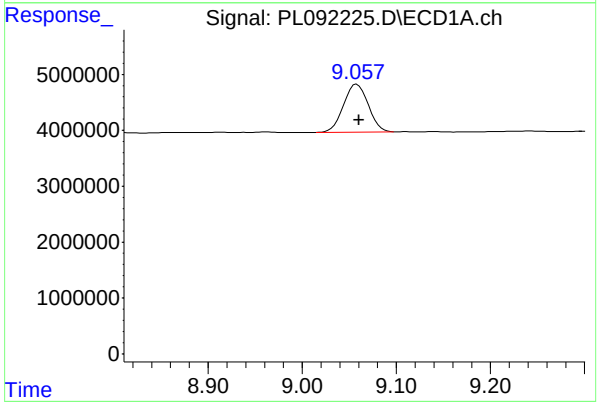
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/04/2024
Supervised By :Ankita Jodhani 10/04/2024



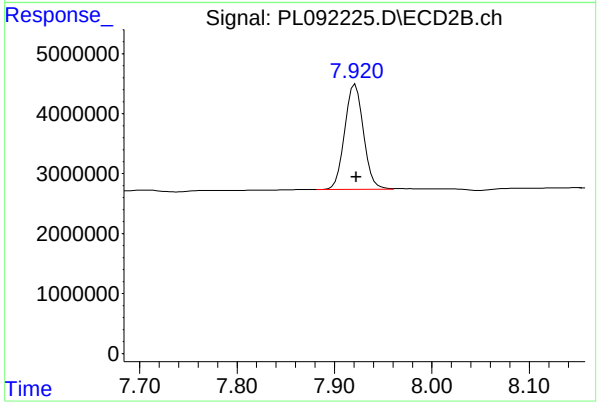
#1 Tetrachloro-m-xylene

R.T.: 2.781 min
Delta R.T.: 0.000 min
Response: 45781255
Conc: 18.25 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.057 min
Delta R.T.: -0.004 min
Response: 15692554
Conc: 9.58 ng/ml m



#28 Decachlorobiphenyl

R.T.: 7.921 min
Delta R.T.: -0.001 min
Response: 23482824
Conc: 9.39 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL100524\
Data File : PL092224.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Oct 2024 17:36
Operator : AR\AJ
Sample : PB163851TB
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB163851TB

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 04 02:53:21 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 16:44:57 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.543	2.781	43337089	48072475	19.480	19.167
28)	SA Decachlor...	9.058	7.921	33634589	49276748	20.531	19.695
	Target Compounds						

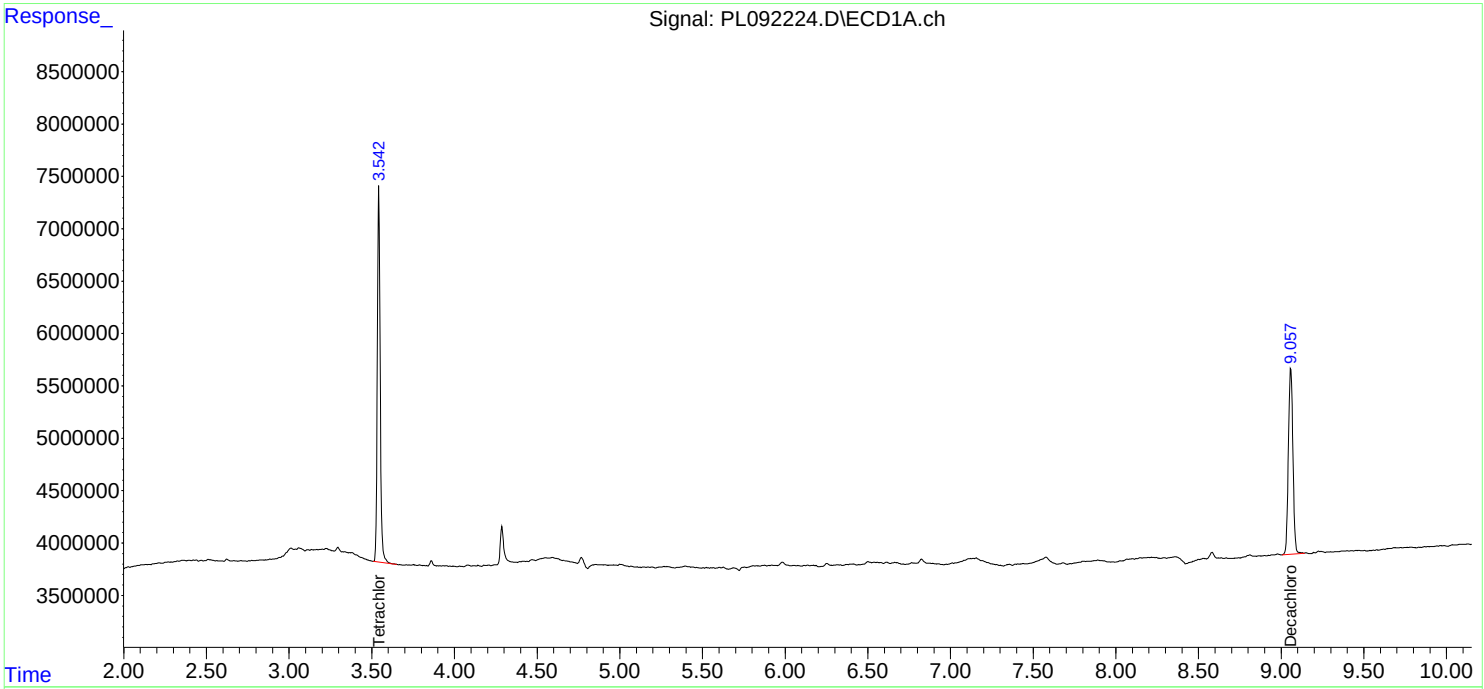
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

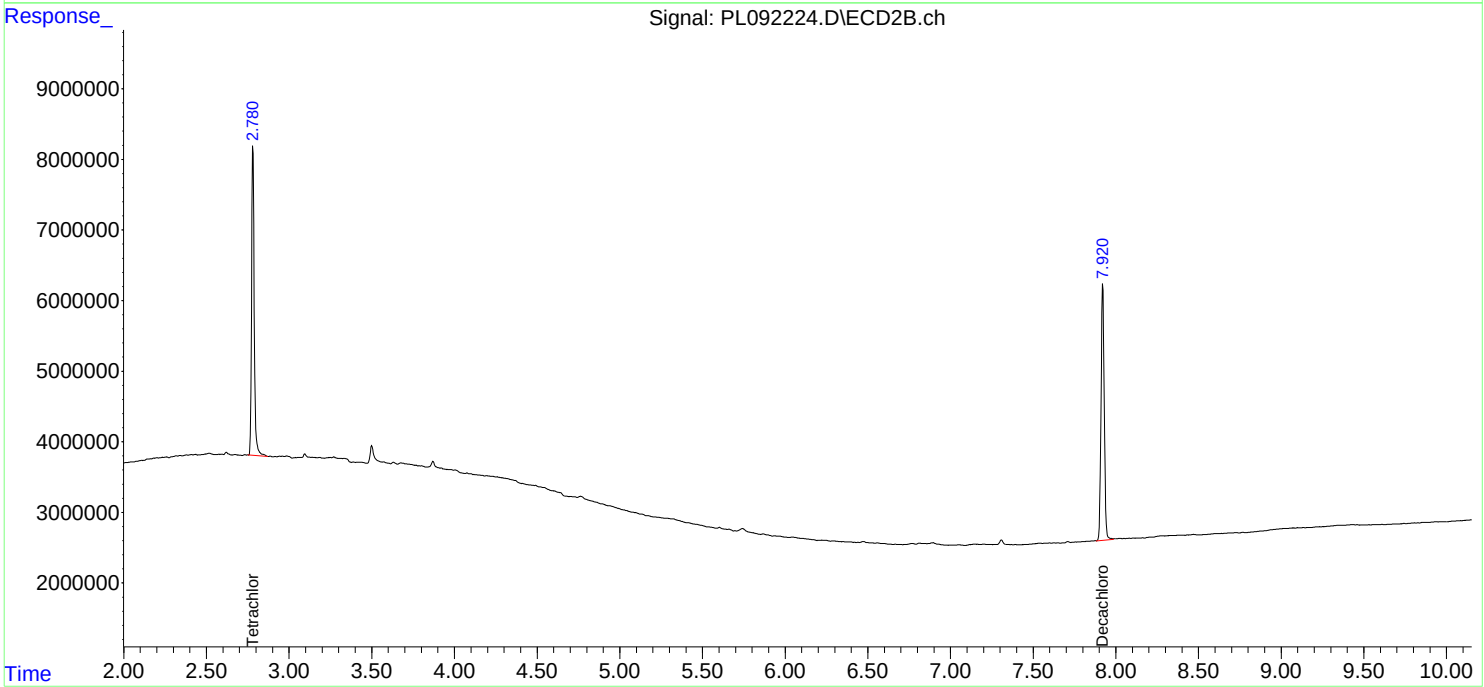
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL100524\
Data File : PL092224.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Oct 2024 17:36
Operator : AR\AJ
Sample : PB163851TB
Misc :
ALS Vial : 17 Sample Multiplier: 1

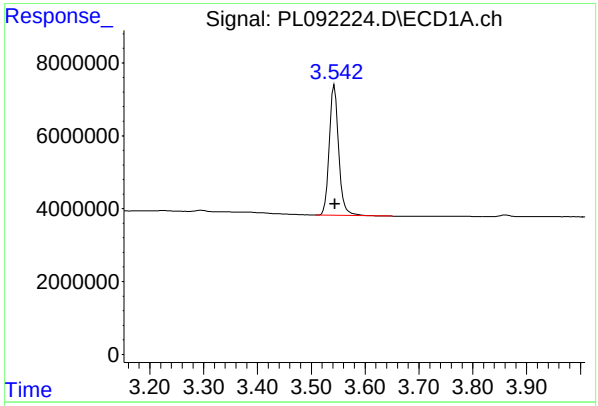
Instrument :
ECD_L
ClientSampleId :
PB163851TB

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 04 02:53:21 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 16:44:57 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm



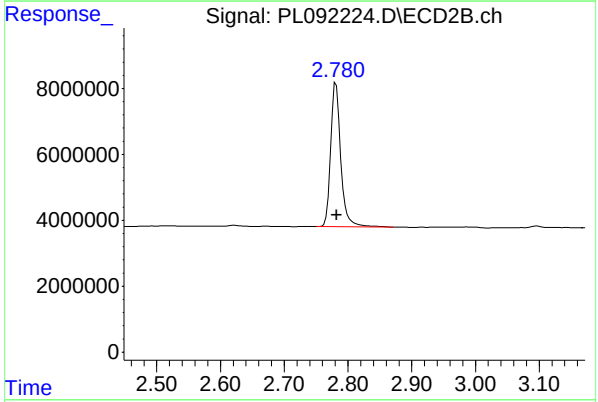




#1 Tetrachloro-m-xylene

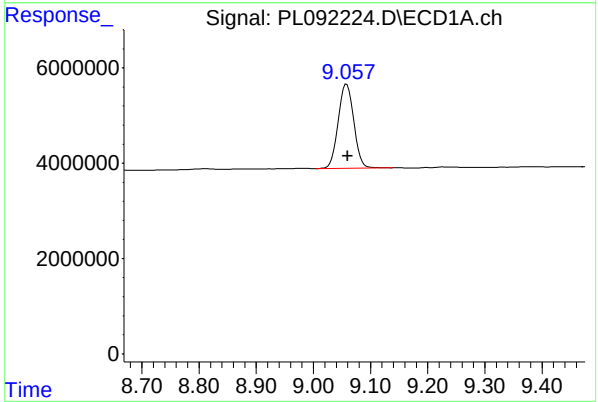
R.T.: 3.543 min
Delta R.T.: -0.001 min
Response: 43337089
Conc: 19.48 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB163851TB



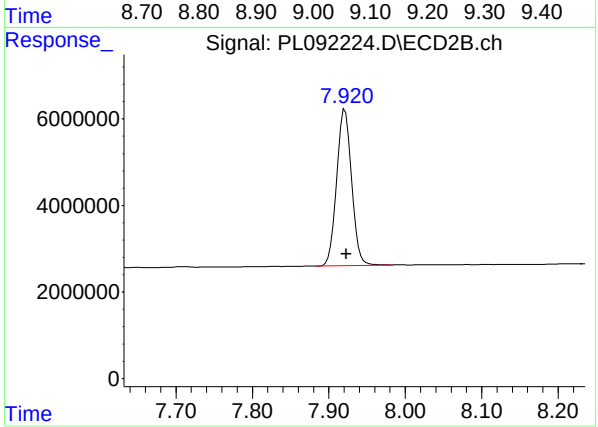
#1 Tetrachloro-m-xylene

R.T.: 2.781 min
Delta R.T.: 0.000 min
Response: 48072475
Conc: 19.17 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.058 min
Delta R.T.: -0.002 min
Response: 33634589
Conc: 20.53 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.921 min
Delta R.T.: -0.002 min
Response: 49276748
Conc: 19.70 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL100524\
Data File : PL092222.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Oct 2024 17:09
Operator : AR\AJ
Sample : PB163891BL
Misc :
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 04 02:51:17 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 16:44:57 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.551	2.782	39811259	42972537	17.895	17.134
28)	SA Decachlor...	9.067	7.924	31190593	44979543	19.039m	17.978
	Target Compounds						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Instrument :
ECD_L
ClientSampleId :
PB163891BL

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/04/2024
Supervised By :Ankita Jodhani 10/04/2024

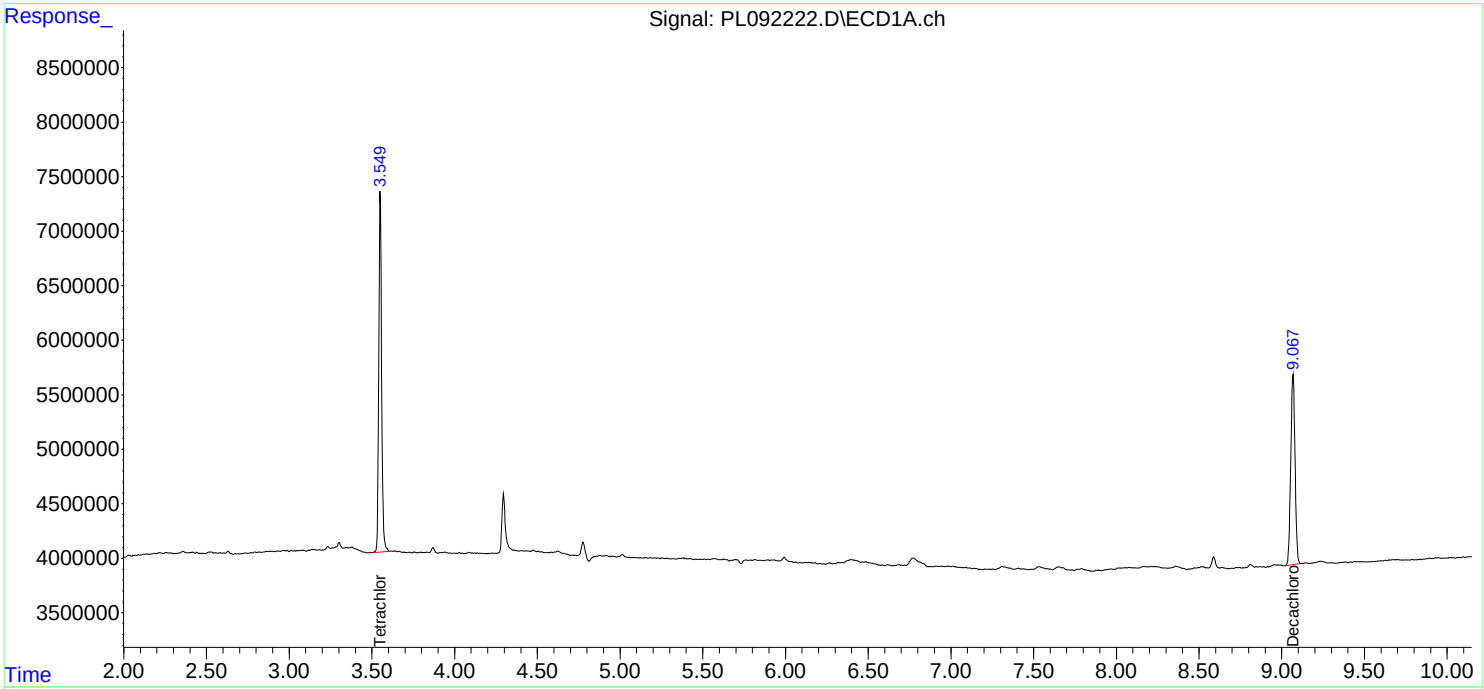
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL100524\
Data File : PL092222.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Oct 2024 17:09
Operator : AR\AJ
Sample : PB163891BL
Misc :
ALS Vial : 15 Sample Multiplier: 1

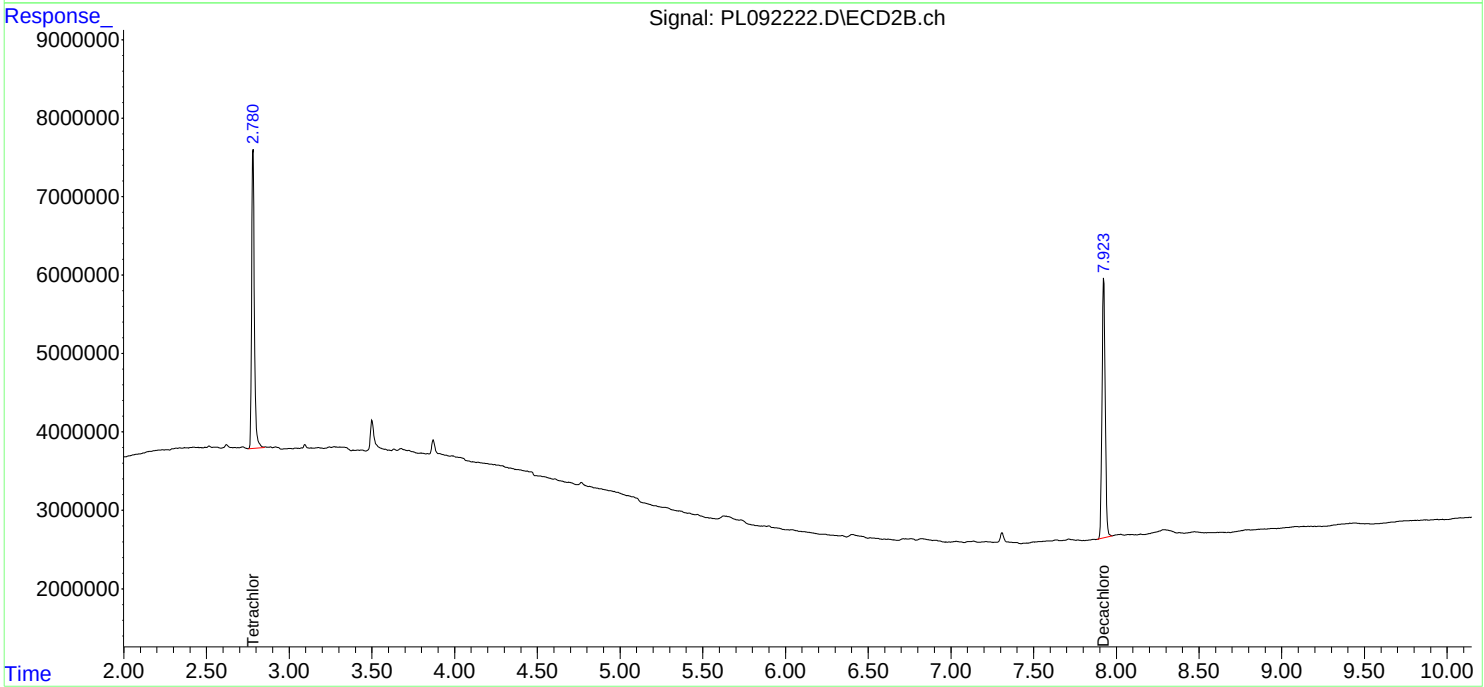
Instrument :
ECD_L
ClientSampleId :
PB163891BL

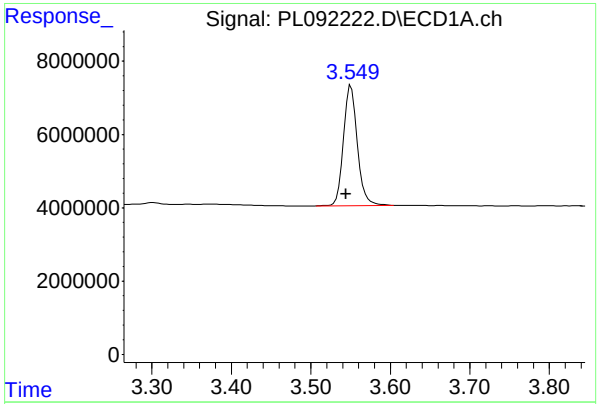
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 10/04/2024
Supervised By :Ankita Jodhani 10/04/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 04 02:51:17 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 16:44:57 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm







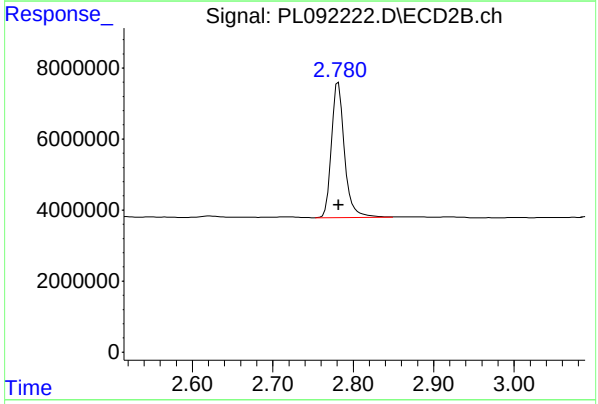
#1 Tetrachloro-m-xylene

R.T.: 3.551 min
Delta R.T.: 0.007 mi
Response: 39811259
Conc: 17.90 ng/m

Instrument :
ECD_L
ClientSampleId :
PB163891BL

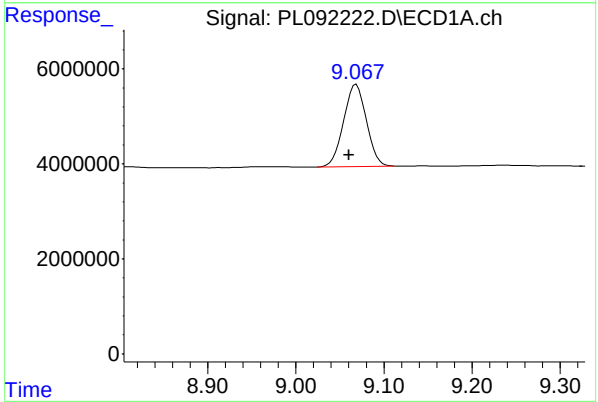
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/04/2024
Supervised By :Ankita Jodhani 10/04/2024



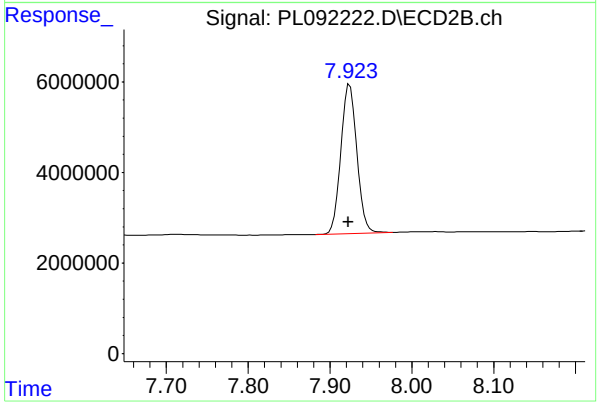
#1 Tetrachloro-m-xylene

R.T.: 2.782 min
Delta R.T.: 0.000 min
Response: 42972537
Conc: 17.13 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.067 min
Delta R.T.: 0.007 min
Response: 31190593
Conc: 19.04 ng/ml m



#28 Decachlorobiphenyl

R.T.: 7.924 min
Delta R.T.: 0.002 min
Response: 44979543
Conc: 17.98 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL100524\
Data File : PL092223.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Oct 2024 17:22
Operator : AR\AJ
Sample : PB163891BS
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB163891BS

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 10/04/2024
Supervised By :Ankita Jodhani 10/04/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 04 02:52:13 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 16:44:57 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.544	2.782	40872556	44889540	18.372	17.898
28) SA	Decachlor...	9.060	7.921	31565412	46330137	19.268	18.518
	Target Compounds						
2) A	alpha-BHC	4.000	3.285	156.3E6	198.2E6	50.467	54.413
3) MA	gamma-BHC...	4.333	3.615	149.9E6	186.9E6	48.363	52.927
4) MA	Heptachlor	4.922	3.954	137.8E6	184.1E6	49.843	53.344
5) MB	Aldrin	5.263	4.234	131.1E6	182.8E6	47.210	53.760
6) B	beta-BHC	4.530	3.914	67427479	80957359	50.836	53.860
7) B	delta-BHC	4.777	4.143	141.8E6	187.3E6	49.167	53.944
8) B	Heptachlo...	5.688	4.737	127.2E6	165.1E6	49.975m	54.609
9) A	Endosulfan I	6.074	5.106	117.3E6	144.4E6	50.702	52.598
10) B	gamma-Chl...	5.943	4.987	122.0E6	167.1E6	49.370m	55.531
11) B	alpha-Chl...	6.024	5.050	131.3E6	163.5E6	53.294	54.602
12) B	4,4'-DDE	6.197	5.238	108.3E6	156.0E6	50.037	56.126m
13) MA	Dieldrin	6.349	5.371	120.0E6	160.2E6	49.207	54.658
14) MA	Endrin	6.578	5.646	95912037	137.8E6	46.543m	52.533
15) B	Endosulfa...	6.798	5.941	105.6E6	137.8E6	48.002	55.076
16) A	4,4'-DDD	6.713	5.794	93891879	126.4E6	52.287m	59.166
17) MA	4,4'-DDT	7.028	6.045	91029347	118.7E6	49.440	51.300
18) B	Endrin al...	6.928	6.120	85421009	107.5E6	49.015	52.677
19) B	Endosulfa...	7.163	6.343	97798954	130.9E6	49.337	54.256
20) A	Methoxychlor	7.503	6.620	48946596	61885358	49.858m	49.494
21) B	Endrin ke...	7.648	6.847	112.0E6	163.2E6	50.946	58.953m
22)	Mirex	8.122	7.029	85279363	120.0E6	47.351	49.317

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

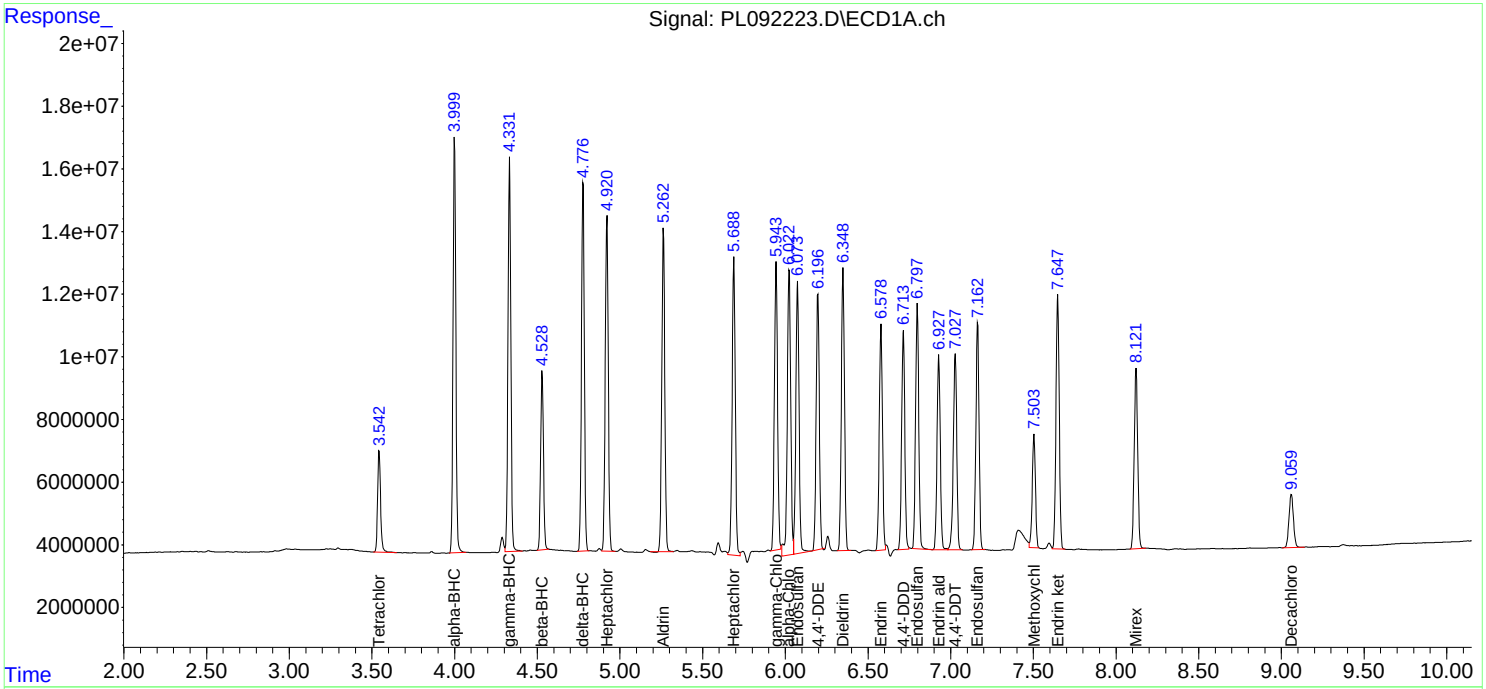
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL100524\
Data File : PL092223.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Oct 2024 17:22
Operator : AR\AJ
Sample : PB163891BS
Misc :
ALS Vial : 16 Sample Multiplier: 1

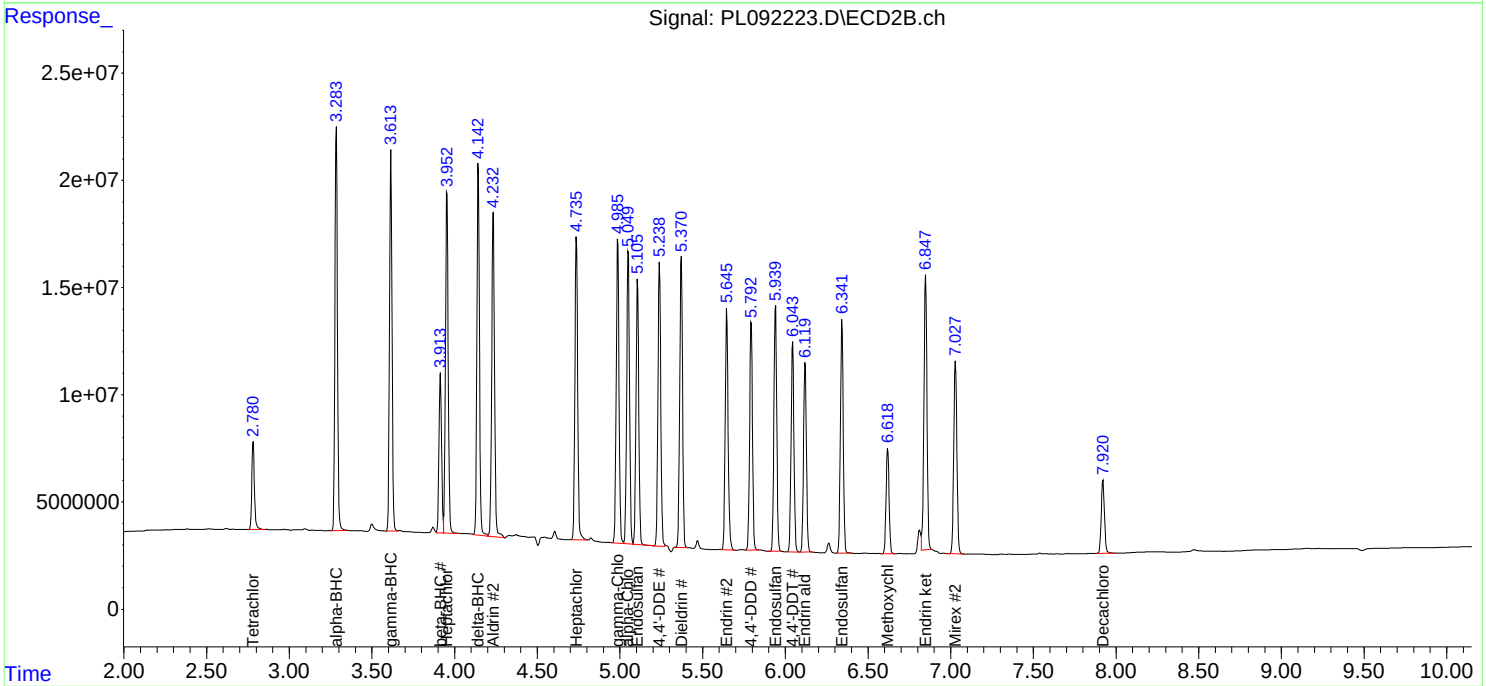
Instrument :
ECD_L
ClientSampleId :
PB163891BS

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 10/04/2024
Supervised By :Ankita Jodhani 10/04/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 04 02:52:13 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 16:44:57 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm





Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL100524\
Data File : PL092226.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Oct 2024 18:02
Operator : AR\AJ
Sample : P4258-04MS
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
Chamberlain AveMS

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 10/04/2024
Supervised By :Ankita Jodhani 10/04/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 04 02:54:45 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 16:44:57 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.542	2.781	36014733	41397872	16.189	16.506
28)	SA Decachlor...	9.059	7.920	22730590	33558685	13.875	13.413
	Target Compounds						
2)	A alpha-BHC	3.999	3.284	138.9E6	176.6E6	44.856	48.474
3)	MA gamma-BHC...	4.329	3.614	194.0E6	162.1E6	62.600m	45.915 #
4)	MA Heptachlor	4.920	3.954	123.5E6	166.3E6	44.669	48.194
5)	MB Aldrin	5.261	4.234	115.1E6	155.1E6	41.431	45.599
6)	B beta-BHC	4.528	3.914	61305357	74769552	46.220	49.744
7)	B delta-BHC	4.775	4.143	103.2E6	123.5E6	35.791	35.573
8)	B Heptachlo...	5.688	4.736	112.3E6	148.4E6	44.134	49.097
9)	A Endosulfan I	6.073	5.106	103.2E6	136.0E6	44.617	49.545
10)	B gamma-Chl...	5.943	4.986	112.8E6	149.5E6	45.656	49.691
11)	B alpha-Chl...	6.022	5.050	110.4E6	147.2E6	44.797	49.181
12)	B 4,4'-DDE	6.195	5.239	97192881	137.7E6	44.905	49.545
13)	MA Dieldrin	6.348	5.371	109.1E6	145.3E6	44.719	49.562
14)	MA Endrin	6.577	5.646	88318277	124.5E6	42.858m	47.466
15)	B Endosulfa...	6.797	5.941	96456788	124.9E6	43.849	49.904
16)	A 4,4'-DDD	6.712	5.793	83194540	111.9E6	46.329m	52.389
17)	MA 4,4'-DDT	7.027	6.044	82307199	106.8E6	44.703	46.167
18)	B Endrin al...	6.927	6.120	76165836	96362317	43.704	47.220
19)	B Endosulfa...	7.162	6.342	85710093	113.4E6	43.238	46.988
20)	A Methoxychlor	7.502	6.619	43817751	56908126	44.634	45.514
21)	B Endrin ke...	7.646	6.848	102.9E6	138.5E6	46.817	50.024
22)	Mirex	8.120	7.029	74142221	104.0E6	41.167	42.771

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

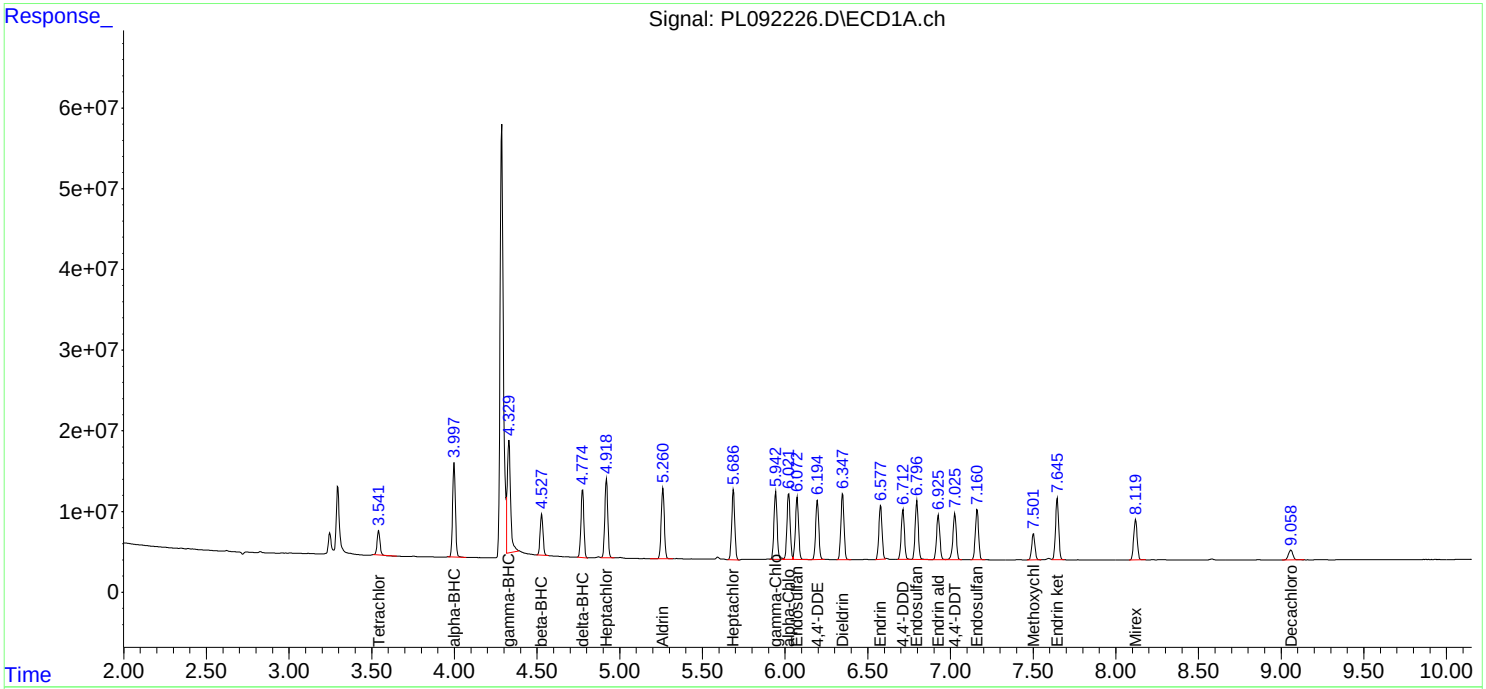
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL100524\
Data File : PL092226.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Oct 2024 18:02
Operator : AR\AJ
Sample : P4258-04MS
Misc :
ALS Vial : 19 Sample Multiplier: 1

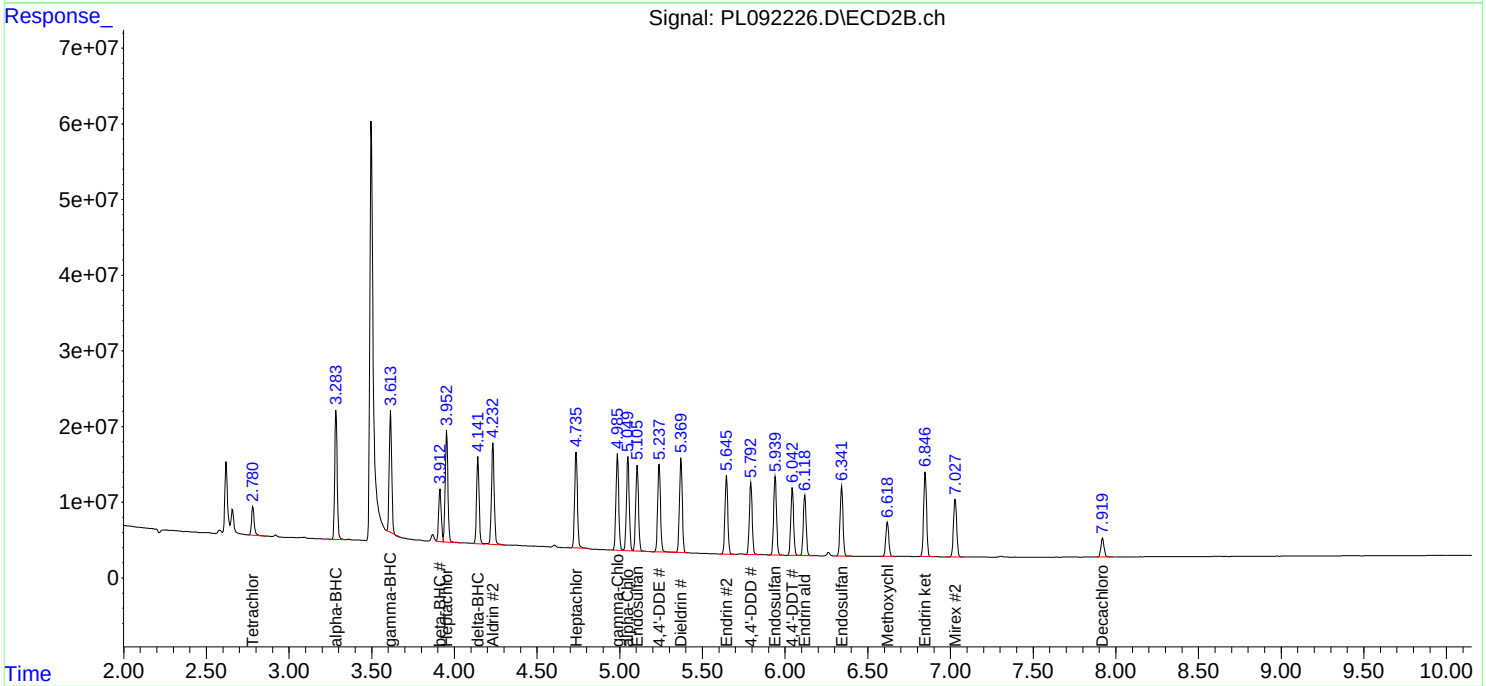
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 04 02:54:45 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 16:44:57 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

Instrument :
ECD_L
ClientSampleId :
Chamberlain AveMS

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 10/04/2024
Supervised By :Ankita Jodhani 10/04/2024





Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL100524\
Data File : PL092227.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Oct 2024 18:16
Operator : AR\AJ
Sample : P4258-04MSD
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
Chamberlain AveMSD

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 10/04/2024
Supervised By :Ankita Jodhani 10/04/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 04 02:55:57 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 16:44:57 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
1)	SA	Tetrachlo...	3.543	2.781	37296942	42178362	16.765	16.817
28)	SA	Decachlor...	9.058	7.920	22828853	33564975	13.935	13.416
		Target Compounds						
2)	A	alpha-BHC	3.999	3.284	139.5E6	175.9E6	45.047	48.273
3)	MA	gamma-BHC...	4.329	3.614	179.2E6	161.0E6	57.829m	45.588
4)	MA	Heptachlor	4.920	3.954	124.2E6	166.3E6	44.920	48.181
5)	MB	Aldrin	5.261	4.233	115.2E6	153.2E6	41.492	45.059
6)	B	beta-BHC	4.528	3.914	61143247	74243413	46.098	49.394
7)	B	delta-BHC	4.775	4.143	103.0E6	122.6E6	35.694	35.314
8)	B	Heptachlo...	5.688	4.736	112.5E6	147.9E6	44.220	48.923
9)	A	Endosulfan I	6.073	5.106	103.4E6	135.8E6	44.676	49.466
10)	B	gamma-Chl...	5.943	4.986	112.6E6	149.2E6	45.554	49.592
11)	B	alpha-Chl...	6.022	5.049	110.5E6	146.9E6	44.847	49.057
12)	B	4,4'-DDE	6.195	5.239	97397541	138.1E6	44.999	49.703
13)	MA	Dieldrin	6.348	5.370	109.2E6	144.9E6	44.760	49.409
14)	MA	Endrin	6.576	5.646	89310569	124.9E6	43.340m	47.645
15)	B	Endosulfa...	6.797	5.940	97080135	124.8E6	44.133	49.854
16)	A	4,4'-DDD	6.713	5.793	82957712	111.6E6	46.198	52.234
17)	MA	4,4'-DDT	7.027	6.044	82861878	106.8E6	45.004	46.154
18)	B	Endrin al...	6.927	6.119	76064149	96051873	43.646	47.068
19)	B	Endosulfa...	7.161	6.342	85850069	113.2E6	43.309	46.923
20)	A	Methoxychlor	7.502	6.619	43988409	57460689	44.808	45.956
21)	B	Endrin ke...	7.646	6.847	102.6E6	138.5E6	46.695	50.004
22)		Mirex	8.120	7.028	74188401	104.1E6	41.193	42.801

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

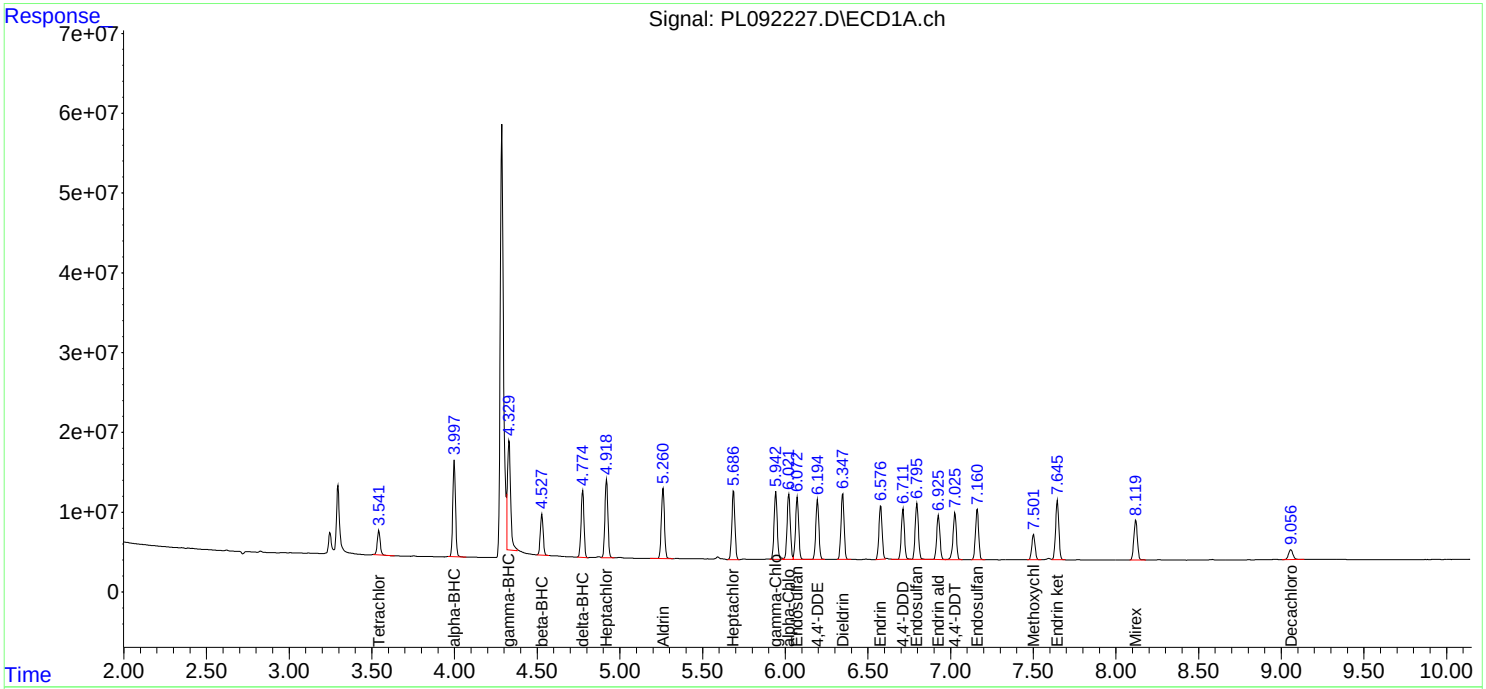
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL100524\
Data File : PL092227.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Oct 2024 18:16
Operator : AR\AJ
Sample : P4258-04MSD
Misc :
ALS Vial : 20 Sample Multiplier: 1

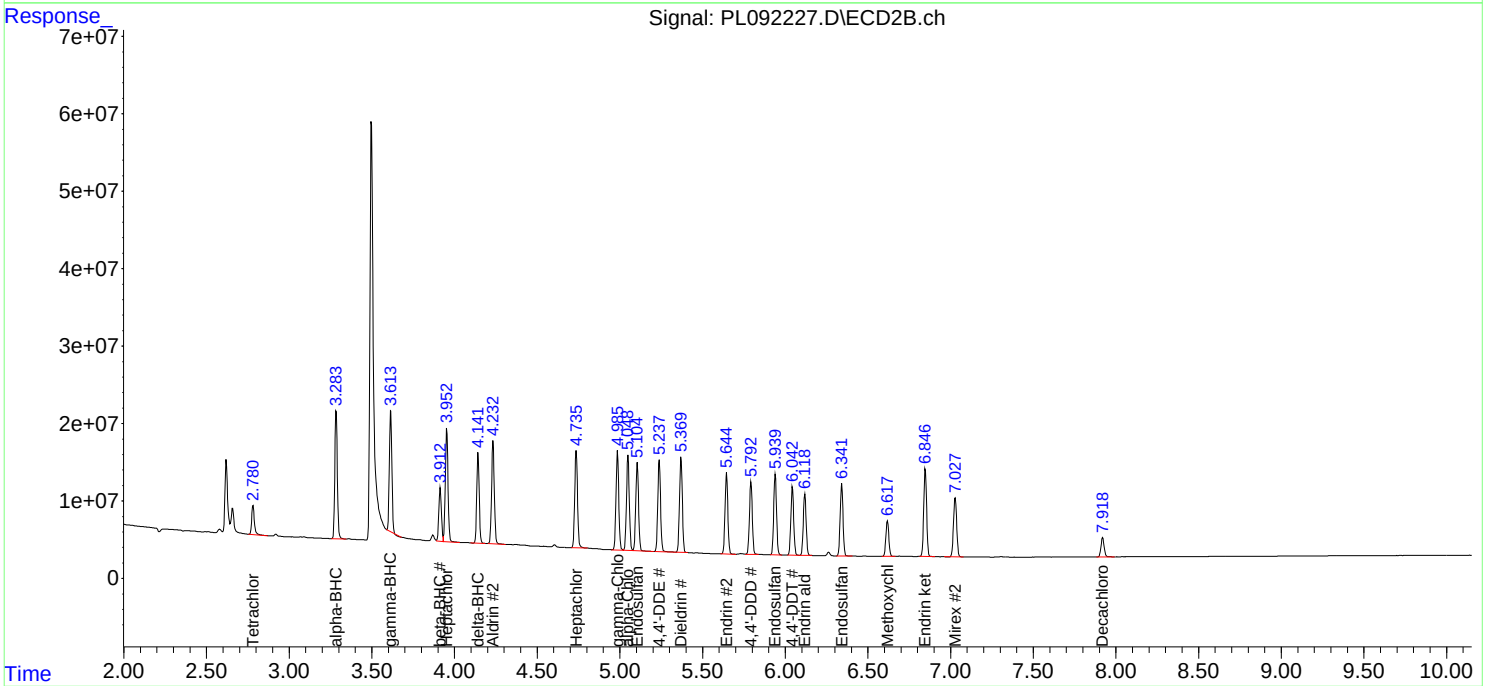
Instrument :
ECD_L
ClientSampleId :
Chamberlain AveMSD

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 10/04/2024
Supervised By :Ankita Jodhani 10/04/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 04 02:55:57 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 16:44:57 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm





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

Manual Integration Report

Sequence:	PL092324	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL091954.D	Endrin ketone #2	Abdul	9/24/2024 9:17:41 AM	Ankita	9/24/2024 11:06:36	Peak Integrated by Software
PSTDICC025	PL091959.D	Heptachlor epoxide	Abdul	9/24/2024 9:17:44 AM	Ankita	9/24/2024 11:06:38	Peak Integrated by Software
PSTDICC005	PL091960.D	delta-BHC	Abdul	9/24/2024 9:17:47 AM	Ankita	9/24/2024 11:06:40	Peak Integrated by Software
PSTDICC005	PL091960.D	Endrin ketone #2	Abdul	9/24/2024 9:17:47 AM	Ankita	9/24/2024 11:06:40	Peak Integrated by Software
PSTDICC005	PL091960.D	Heptachlor	Abdul	9/24/2024 9:17:47 AM	Ankita	9/24/2024 11:06:40	Peak Integrated by Software
PSTDICC005	PL091960.D	Heptachlor epoxide	Abdul	9/24/2024 9:17:47 AM	Ankita	9/24/2024 11:06:40	Peak Integrated by Software
PSTDICC005	PL091960.D	Methoxychlor	Abdul	9/24/2024 9:17:47 AM	Ankita	9/24/2024 11:06:40	Peak Integrated by Software
PEM	PL091975.D	4,4"-DDE	Abdul	9/25/2024 12:23:38 PM	Ankita	9/25/2024 12:24:20	Peak Integrated by Software
PEM	PL091975.D	4,4"-DDE #2	Abdul	9/25/2024 12:23:38 PM	Ankita	9/25/2024 12:24:20	Peak Integrated by Software
PEM	PL091975.D	4,4"-DDT #2	Abdul	9/25/2024 12:23:38 PM	Ankita	9/25/2024 12:24:20	Peak Integrated by Software
PEM	PL091975.D	Endrin ketone #2	Abdul	9/25/2024 12:23:38 PM	Ankita	9/25/2024 12:24:20	Peak Integrated by Software
PEM	PL091975.D	gamma-BHC (Lindane)	Abdul	9/25/2024 12:23:38 PM	Ankita	9/25/2024 12:24:20	Peak Integrated by Software
PEM	PL091975.D	Methoxychlor #2	Abdul	9/25/2024 12:23:38 PM	Ankita	9/25/2024 12:24:20	Peak Integrated by Software

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

Manual Integration Report

Sequence:	PL092324	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PL091976.D	4,4"-DDE #2	Abdul	9/24/2024 9:18:08 AM	Ankita	9/24/2024 11:06:48	Peak Integrated by Software
PSTDCCC050	PL091976.D	Aldrin #2	Abdul	9/24/2024 9:18:08 AM	Ankita	9/24/2024 11:06:48	Peak Integrated by Software
PSTDCCC050	PL091976.D	delta-BHC #2	Abdul	9/24/2024 9:18:08 AM	Ankita	9/24/2024 11:06:48	Peak Integrated by Software
PSTDCCC050	PL091976.D	Endrin aldehyde	Abdul	9/24/2024 9:18:08 AM	Ankita	9/24/2024 11:06:48	Peak Integrated by Software
PSTDCCC050	PL091976.D	Endrin ketone #2	Abdul	9/24/2024 9:18:08 AM	Ankita	9/24/2024 11:06:48	Peak Integrated by Software
I.BLK	PL091988.D	Tetrachloro-m-xylene	Abdul	9/24/2024 9:23:07 AM	Ankita	9/24/2024 11:07:26	Peak Integrated by Software
PSTDCCC050	PL091989.D	4,4"-DDD	Abdul	9/24/2024 9:23:10 AM	Ankita	9/24/2024 11:07:29	Peak Integrated by Software
PSTDCCC050	PL091989.D	4,4"-DDE #2	Abdul	9/24/2024 9:23:10 AM	Ankita	9/24/2024 11:07:29	Peak Integrated by Software
PSTDCCC050	PL091989.D	Aldrin #2	Abdul	9/24/2024 9:23:10 AM	Ankita	9/24/2024 11:07:29	Peak Integrated by Software
PSTDCCC050	PL091989.D	delta-BHC #2	Abdul	9/24/2024 9:23:10 AM	Ankita	9/24/2024 11:07:29	Peak Integrated by Software
PSTDCCC050	PL091989.D	Endosulfan II	Abdul	9/24/2024 9:23:10 AM	Ankita	9/24/2024 11:07:29	Peak Integrated by Software
PSTDCCC050	PL091989.D	Endosulfan II #2	Abdul	9/24/2024 9:23:10 AM	Ankita	9/24/2024 11:07:29	Peak Integrated by Software
PSTDCCC050	PL091989.D	Endrin	Abdul	9/24/2024 9:23:10 AM	Ankita	9/24/2024 11:07:29	Peak Integrated by Software

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

Manual Integration Report

Sequence:	PL092324	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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

Manual Integration Report

Sequence:	PL100524	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL092208.D	4,4"-DDD	Abdul	10/4/2024 9:11:25 AM	Ankita	10/4/2024 10:16:58	Peak Integrated by Software
PEM	PL092208.D	4,4"-DDE	Abdul	10/4/2024 9:11:25 AM	Ankita	10/4/2024 10:16:58	Peak Integrated by Software
PSTDCCC050	PL092209.D	gamma-Chlordane	Abdul	10/4/2024 9:11:27 AM	Ankita	10/4/2024 10:17:00	Peak Integrated by Software
PSTDCCC050	PL092221.D	4,4"-DDD	Abdul	10/4/2024 9:15:09 AM	Ankita	10/4/2024 10:18:07	Peak Integrated by Software
PSTDCCC050	PL092221.D	4,4"-DDE #2	Abdul	10/4/2024 9:15:09 AM	Ankita	10/4/2024 10:18:07	Peak Integrated by Software
PB163891BL	PL092222.D	Decachlorobiphenyl	Abdul	10/4/2024 9:15:12 AM	Ankita	10/4/2024 10:18:09	Peak Integrated by Software
PB163891BS	PL092223.D	4,4"-DDD	Abdul	10/4/2024 9:15:16 AM	Ankita	10/4/2024 10:18:12	Peak Integrated by Software
PB163891BS	PL092223.D	4,4"-DDE #2	Abdul	10/4/2024 9:15:16 AM	Ankita	10/4/2024 10:18:12	Peak Integrated by Software
PB163891BS	PL092223.D	Endrin	Abdul	10/4/2024 9:15:16 AM	Ankita	10/4/2024 10:18:12	Peak Integrated by Software
PB163891BS	PL092223.D	Endrin ketone #2	Abdul	10/4/2024 9:15:16 AM	Ankita	10/4/2024 10:18:12	Peak Integrated by Software
PB163891BS	PL092223.D	gamma-Chlordane	Abdul	10/4/2024 9:15:16 AM	Ankita	10/4/2024 10:18:12	Peak Integrated by Software
PB163891BS	PL092223.D	Heptachlor epoxide	Abdul	10/4/2024 9:15:16 AM	Ankita	10/4/2024 10:18:12	Peak Integrated by Software
PB163891BS	PL092223.D	Methoxychlor	Abdul	10/4/2024 9:15:16 AM	Ankita	10/4/2024 10:18:12	Peak Integrated by Software

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

Manual Integration Report

Sequence:	PL100524	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P4258-04	PL092225.D	Decachlorobiphenyl	Abdul	10/4/2024 9:15:24 AM	Ankita	10/4/2024 10:18:16	Peak Integrated by Software
P4258-04MS	PL092226.D	4,4"-DDD	Abdul	10/4/2024 9:15:29 AM	Ankita	10/4/2024 10:18:18	Peak Integrated by Software
P4258-04MS	PL092226.D	Endrin	Abdul	10/4/2024 9:15:29 AM	Ankita	10/4/2024 10:18:18	Peak Integrated by Software
P4258-04MS	PL092226.D	gamma-BHC (Lindane)	Abdul	10/4/2024 9:15:29 AM	Ankita	10/4/2024 10:18:18	Peak Integrated by Software
P4258-04MSD	PL092227.D	Endrin	Abdul	10/4/2024 9:15:33 AM	Ankita	10/4/2024 10:18:20	Peak Integrated by Software
P4258-04MSD	PL092227.D	gamma-BHC (Lindane)	Abdul	10/4/2024 9:15:33 AM	Ankita	10/4/2024 10:18:20	Peak Integrated by Software
I.BLK	PL092228.D	Tetrachloro-m-xylene	Abdul	10/4/2024 9:15:37 AM	Ankita	10/4/2024 10:18:21	Peak Integrated by Software
PSTDCCC050	PL092229.D	4,4"-DDD	Abdul	10/4/2024 9:15:42 AM	Ankita	10/4/2024 10:18:23	Peak Integrated by Software
PSTDCCC050	PL092229.D	4,4"-DDE #2	Abdul	10/4/2024 9:15:42 AM	Ankita	10/4/2024 10:18:23	Peak Integrated by Software
PSTDCCC050	PL092229.D	Aldrin #2	Abdul	10/4/2024 9:15:42 AM	Ankita	10/4/2024 10:18:23	Peak Integrated by Software
PSTDCCC050	PL092229.D	gamma-Chlordane	Abdul	10/4/2024 9:15:42 AM	Ankita	10/4/2024 10:18:23	Peak Integrated by Software

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL092324

Review By	Abdul	Review On	9/24/2024 9:27:05 AM		
Supervise By	Ankita	Supervise On	9/24/2024 11:07:44 AM		
SubDirectory	PL092324	HP Acquire Method		HP Processing Method	pl092324 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23282,PP23517
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PL091952.D	23 Sep 2024 10:38	AR\AJ	Ok
2	I.BLK	PL091953.D	23 Sep 2024 10:52	AR\AJ	Ok
3	PEM	PL091954.D	23 Sep 2024 11:05	AR\AJ	Ok,M
4	RESCHK	PL091955.D	23 Sep 2024 11:19	AR\AJ	Ok
5	PSTDICC100	PL091956.D	23 Sep 2024 11:32	AR\AJ	Ok
6	PSTDICC075	PL091957.D	23 Sep 2024 11:45	AR\AJ	Ok
7	PSTDICC050	PL091958.D	23 Sep 2024 11:59	AR\AJ	Ok
8	PSTDICC025	PL091959.D	23 Sep 2024 12:12	AR\AJ	Ok,M
9	PSTDICC005	PL091960.D	23 Sep 2024 12:26	AR\AJ	Ok,M
10	PCHLORICC1000	PL091961.D	23 Sep 2024 12:39	AR\AJ	Ok
11	PCHLORICC750	PL091962.D	23 Sep 2024 12:52	AR\AJ	Ok
12	PCHLORICC500	PL091963.D	23 Sep 2024 13:06	AR\AJ	Ok
13	PCHLORICC250	PL091964.D	23 Sep 2024 13:19	AR\AJ	Ok
14	PCHLORICC050	PL091965.D	23 Sep 2024 13:33	AR\AJ	Ok
15	PTOXICC1000	PL091966.D	23 Sep 2024 13:46	AR\AJ	Ok
16	PTOXICC750	PL091967.D	23 Sep 2024 13:59	AR\AJ	Ok
17	PTOXICC500	PL091968.D	23 Sep 2024 14:13	AR\AJ	Ok
18	PTOXICC250	PL091969.D	23 Sep 2024 14:26	AR\AJ	Ok
19	PTOXICC100	PL091970.D	23 Sep 2024 14:40	AR\AJ	Ok,M
20	PSTDICV050	PL091971.D	23 Sep 2024 14:53	AR\AJ	Ok
21	PCHLORICV500	PL091972.D	23 Sep 2024 15:20	AR\AJ	Ok

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL092324

Review By	Abdul	Review On	9/24/2024 9:27:05 AM		
Supervise By	Ankita	Supervise On	9/24/2024 11:07:44 AM		
SubDirectory	PL092324	HP Acquire Method		HP Processing Method	pl092324 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23282,PP23517
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	PTOXICV500	PL091973.D	23 Sep 2024 15:47	AR\AJ	Ok
23	I.BLK	PL091974.D	23 Sep 2024 16:13	AR\AJ	Ok
24	PEM	PL091975.D	23 Sep 2024 16:27	AR\AJ	Ok,M
25	PSTDCCC050	PL091976.D	23 Sep 2024 16:40	AR\AJ	Ok,M
26	PB163572BL	PL091977.D	23 Sep 2024 16:54	AR\AJ	Ok
27	PB163572BS	PL091978.D	23 Sep 2024 17:07	AR\AJ	Ok,M
28	P4103-02	PL091979.D	23 Sep 2024 17:20	AR\AJ	Ok,M
29	P4103-02MS	PL091980.D	23 Sep 2024 17:34	AR\AJ	Ok,M
30	P4103-02MSD	PL091981.D	23 Sep 2024 17:47	AR\AJ	Ok,M
31	P4103-05	PL091982.D	23 Sep 2024 18:01	AR\AJ	Ok
32	P4103-08	PL091983.D	23 Sep 2024 18:14	AR\AJ	Ok,M
33	P4103-11	PL091984.D	23 Sep 2024 18:28	AR\AJ	Ok,M
34	P4103-14	PL091985.D	23 Sep 2024 18:41	AR\AJ	Ok,M
35	P4103-17	PL091986.D	23 Sep 2024 18:55	AR\AJ	Ok,M
36	PB163511TB	PL091987.D	23 Sep 2024 19:08	AR\AJ	Ok,M
37	I.BLK	PL091988.D	23 Sep 2024 19:21	AR\AJ	Ok,M
38	PSTDCCC050	PL091989.D	23 Sep 2024 19:35	AR\AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL100524

Review By	Abdul	Review On	10/4/2024 9:16:27 AM		
Supervise By	Ankita	Supervise On	10/4/2024 10:18:34 AM		
SubDirectory	PL100524	HP Acquire Method		HP Processing Method	pl092324 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23282,PP23517
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PL092206.D	03 Oct 2024 10:10	AR\AJ	Ok
2	I.BLK	PL092207.D	03 Oct 2024 10:24	AR\AJ	Ok
3	PEM	PL092208.D	03 Oct 2024 10:37	AR\AJ	Ok,M
4	PSTDCCC050	PL092209.D	03 Oct 2024 10:51	AR\AJ	Ok,M
5	PB163841BS	PL092210.D	03 Oct 2024 11:36	AR\AJ	Ok,M
6	PB163841BSD	PL092211.D	03 Oct 2024 11:49	AR\AJ	Ok,M
7	PB163869BL	PL092212.D	03 Oct 2024 13:01	AR\AJ	Ok
8	PB163869BS	PL092213.D	03 Oct 2024 13:15	AR\AJ	Ok,M
9	P4270-01	PL092214.D	03 Oct 2024 13:28	AR\AJ	Ok,M
10	P4270-01MS	PL092215.D	03 Oct 2024 13:42	AR\AJ	Ok,M
11	P4270-01MSD	PL092216.D	03 Oct 2024 13:55	AR\AJ	Ok,M
12	P4273-01	PL092217.D	03 Oct 2024 14:09	AR\AJ	Ok,M
13	P4276-01	PL092218.D	03 Oct 2024 14:22	AR\AJ	Ok,M
14	P4277-01	PL092219.D	03 Oct 2024 14:35	AR\AJ	Ok,M
15	I.BLK	PL092220.D	03 Oct 2024 14:49	AR\AJ	Ok
16	PSTDCCC050	PL092221.D	03 Oct 2024 15:02	AR\AJ	Ok,M
17	PB163891BL	PL092222.D	03 Oct 2024 17:09	AR\AJ	Ok,M
18	PB163891BS	PL092223.D	03 Oct 2024 17:22	AR\AJ	Ok,M
19	PB163851TB	PL092224.D	03 Oct 2024 17:36	AR\AJ	Ok
20	P4258-04	PL092225.D	03 Oct 2024 17:49	AR\AJ	Ok,M
21	P4258-04MS	PL092226.D	03 Oct 2024 18:02	AR\AJ	Ok,M

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL100524

Review By	Abdul	Review On	10/4/2024 9:16:27 AM		
Supervise By	Ankita	Supervise On	10/4/2024 10:18:34 AM		
SubDirectory	PL100524	HP Acquire Method		HP Processing Method	pl092324 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23282,PP23517
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4258-04MSD	PL092227.D	03 Oct 2024 18:16	AR\AJ	Ok,M
23	I.BLK	PL092228.D	03 Oct 2024 18:29	AR\AJ	Ok,M
24	PSTDCCC050	PL092229.D	03 Oct 2024 18:43	AR\AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL092324

Review By	Abdul	Review On	9/24/2024 9:27:05 AM		
Supervise By	Ankita	Supervise On	9/24/2024 11:07:44 AM		
SubDirectory	PL092324	HP Acquire Method		HP Processing Method	pl092324 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23282,PP23517
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PL091952.D	23 Sep 2024 10:38		AR\AJ	Ok
2	I.BLK	I.BLK	PL091953.D	23 Sep 2024 10:52		AR\AJ	Ok
3	PEM	PEM	PL091954.D	23 Sep 2024 11:05		AR\AJ	Ok,M
4	RESCHK	RESCHK	PL091955.D	23 Sep 2024 11:19		AR\AJ	Ok
5	PSTDICC100	PSTDICC100	PL091956.D	23 Sep 2024 11:32		AR\AJ	Ok
6	PSTDICC075	PSTDICC075	PL091957.D	23 Sep 2024 11:45		AR\AJ	Ok
7	PSTDICC050	PSTDICC050	PL091958.D	23 Sep 2024 11:59		AR\AJ	Ok
8	PSTDICC025	PSTDICC025	PL091959.D	23 Sep 2024 12:12		AR\AJ	Ok,M
9	PSTDICC005	PSTDICC005	PL091960.D	23 Sep 2024 12:26		AR\AJ	Ok,M
10	PCHLORICC1000	PCHLORICC1000	PL091961.D	23 Sep 2024 12:39		AR\AJ	Ok
11	PCHLORICC750	PCHLORICC750	PL091962.D	23 Sep 2024 12:52		AR\AJ	Ok
12	PCHLORICC500	PCHLORICC500	PL091963.D	23 Sep 2024 13:06		AR\AJ	Ok
13	PCHLORICC250	PCHLORICC250	PL091964.D	23 Sep 2024 13:19		AR\AJ	Ok
14	PCHLORICC050	PCHLORICC050	PL091965.D	23 Sep 2024 13:33		AR\AJ	Ok
15	PTOXICC1000	PTOXICC1000	PL091966.D	23 Sep 2024 13:46		AR\AJ	Ok
16	PTOXICC750	PTOXICC750	PL091967.D	23 Sep 2024 13:59		AR\AJ	Ok
17	PTOXICC500	PTOXICC500	PL091968.D	23 Sep 2024 14:13		AR\AJ	Ok
18	PTOXICC250	PTOXICC250	PL091969.D	23 Sep 2024 14:26		AR\AJ	Ok

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL092324

Review By	Abdul	Review On	9/24/2024 9:27:05 AM		
Supervise By	Ankita	Supervise On	9/24/2024 11:07:44 AM		
SubDirectory	PL092324	HP Acquire Method		HP Processing Method	pl092324 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23282,PP23517
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	PTOXICC100	PTOXICC100	PL091970.D	23 Sep 2024 14:40		AR\AJ	Ok,M
20	PSTDICV050	ICVPL092324	PL091971.D	23 Sep 2024 14:53		AR\AJ	Ok
21	PCHLORICV500	ICVPL092324CHLOR	PL091972.D	23 Sep 2024 15:20		AR\AJ	Ok
22	PTOXICV500	ICVPL092324TOX	PL091973.D	23 Sep 2024 15:47		AR\AJ	Ok
23	I.BLK	I.BLK	PL091974.D	23 Sep 2024 16:13		AR\AJ	Ok
24	PEM	PEM	PL091975.D	23 Sep 2024 16:27		AR\AJ	Ok,M
25	PSTDCCC050	PSTDCCC050	PL091976.D	23 Sep 2024 16:40		AR\AJ	Ok,M
26	PB163572BL	PB163572BL	PL091977.D	23 Sep 2024 16:54		AR\AJ	Ok
27	PB163572BS	PB163572BS	PL091978.D	23 Sep 2024 17:07		AR\AJ	Ok,M
28	P4103-02	WC-22A	PL091979.D	23 Sep 2024 17:20	TCMX low 1st column	AR\AJ	Ok,M
29	P4103-02MS	WC-22AMS	PL091980.D	23 Sep 2024 17:34	TCMX low 1st column	AR\AJ	Ok,M
30	P4103-02MSD	WC-22AMSD	PL091981.D	23 Sep 2024 17:47	TCMX low 1st column	AR\AJ	Ok,M
31	P4103-05	WC-14-5-7.5A	PL091982.D	23 Sep 2024 18:01		AR\AJ	Ok
32	P4103-08	WC-14-5-7.5B	PL091983.D	23 Sep 2024 18:14		AR\AJ	Ok,M
33	P4103-11	WC-14-7.5-10A	PL091984.D	23 Sep 2024 18:28		AR\AJ	Ok,M
34	P4103-14	WC-14-7.5-10B	PL091985.D	23 Sep 2024 18:41		AR\AJ	Ok,M
35	P4103-17	WC-23	PL091986.D	23 Sep 2024 18:55		AR\AJ	Ok,M
36	PB163511TB	PB163511TB	PL091987.D	23 Sep 2024 19:08		AR\AJ	Ok,M
37	I.BLK	I.BLK	PL091988.D	23 Sep 2024 19:21		AR\AJ	Ok,M

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL092324

Review By	Abdul	Review On	9/24/2024 9:27:05 AM		
Supervise By	Ankita	Supervise On	9/24/2024 11:07:44 AM		
SubDirectory	PL092324	HP Acquire Method		HP Processing Method	pl092324 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23282,PP23517
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

38	PSTDCCC050	PSTDCCC050	PL091989.D	23 Sep 2024 19:35		AR\AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL100524

Review By	Abdul	Review On	10/4/2024 9:16:27 AM		
Supervise By	Ankita	Supervise On	10/4/2024 10:18:34 AM		
SubDirectory	PL100524	HP Acquire Method		HP Processing Method	pl092324 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23282,PP23517
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PL092206.D	03 Oct 2024 10:10		AR\AJ	Ok
2	I.BLK	I.BLK	PL092207.D	03 Oct 2024 10:24		AR\AJ	Ok
3	PEM	PEM	PL092208.D	03 Oct 2024 10:37		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PL092209.D	03 Oct 2024 10:51		AR\AJ	Ok,M
5	PB163841BS	PB163841BS	PL092210.D	03 Oct 2024 11:36		AR\AJ	Ok,M
6	PB163841BSD	PB163841BSD	PL092211.D	03 Oct 2024 11:49		AR\AJ	Ok,M
7	PB163869BL	PB163869BL	PL092212.D	03 Oct 2024 13:01		AR\AJ	Ok
8	PB163869BS	PB163869BS	PL092213.D	03 Oct 2024 13:15		AR\AJ	Ok,M
9	P4270-01	IB-2	PL092214.D	03 Oct 2024 13:28		AR\AJ	Ok,M
10	P4270-01MS	IB-2MS	PL092215.D	03 Oct 2024 13:42		AR\AJ	Ok,M
11	P4270-01MSD	IB-2MSD	PL092216.D	03 Oct 2024 13:55		AR\AJ	Ok,M
12	P4273-01	AU-05-100224	PL092217.D	03 Oct 2024 14:09		AR\AJ	Ok,M
13	P4276-01	VNJ-208	PL092218.D	03 Oct 2024 14:22		AR\AJ	Ok,M
14	P4277-01	BU-03-10022024	PL092219.D	03 Oct 2024 14:35		AR\AJ	Ok,M
15	I.BLK	I.BLK	PL092220.D	03 Oct 2024 14:49		AR\AJ	Ok
16	PSTDCCC050	PSTDCCC050	PL092221.D	03 Oct 2024 15:02		AR\AJ	Ok,M
17	PB163891BL	PB163891BL	PL092222.D	03 Oct 2024 17:09		AR\AJ	Ok,M
18	PB163891BS	PB163891BS	PL092223.D	03 Oct 2024 17:22		AR\AJ	Ok,M

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL100524

Review By	Abdul	Review On	10/4/2024 9:16:27 AM		
Supervise By	Ankita	Supervise On	10/4/2024 10:18:34 AM		
SubDirectory	PL100524	HP Acquire Method		HP Processing Method	pl092324 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23282,PP23517
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	PB163851TB	PB163851TB	PL092224.D	03 Oct 2024 17:36		AR\AJ	Ok
20	P4258-04	Chamberlain Ave	PL092225.D	03 Oct 2024 17:49		AR\AJ	Ok,M
21	P4258-04MS	Chamberlain AveMS	PL092226.D	03 Oct 2024 18:02		AR\AJ	Ok,M
22	P4258-04MSD	Chamberlain AveMSD	PL092227.D	03 Oct 2024 18:16		AR\AJ	Ok,M
23	I.BLK	I.BLK	PL092228.D	03 Oct 2024 18:29		AR\AJ	Ok,M
24	PSTDCCC050	PSTDCCC050	PL092229.D	03 Oct 2024 18:43		AR\AJ	Ok,M

M : Manual Integration

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TCLP EXTRACTION LOGPAGE

PB163851

SOP ID : M1311-TCLP-14

SDG No : N/A

Weigh By : JP

Balance ID : WC SC-4

pH Meter ID : WC PH METER-1

Extraction By : JP

Filter By : JP

Pippete ID : WC

Tumbler ID : T-1

TCLP Filter ID : 114771

Start Prep Date : 10/02/2024 **Time :** 17:35

End Prep Date : 10/03/2024 **Time :** 10:25

Combination Ratio : 20

ZHE Cleaning Batch : N/A

Initial Room Temperature: 23 °C

Final Room Temperature: 22 °C

TCLP Technician Signature : JP

Supervisor By : JZ

Standared Name	MLS USED	STD REF. # FROM LOG
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE U	Lot Number
TCLP-FLUID-1	N/A	WP108622
HCL-TCLP,1N	N/A	WP108584
HNO3-TCLP,1N	N/A	WP108585
pH Strips	N/A	W1931,W1934,W2350,W2755
pH Strips	N/A	W1937,W1938,W1939,W1940,W1941,W1942
1 Liter Amber	N/A	23091
120ml Plastic bottle	N/A	21029
1:1 HNO3	MP81119	N/A

Extraction Conformance/Non-Conformance Comments:

Matrix spikes are added after fiftation and before preservation. TUMBLER T-1 checked,30 rpm. p4276-02 is used for MS-MSD Particle size reduction is not required.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/03/24 11:00	JP / TCLP Room	JGP 10/3 1EXT
	Preparation Group	Analysis Group 1DVHDIS

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TCLP EXTRACTION LOGPAGE

PB163851

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
P4242-04	TP-Q	01	100.02	2000	N/A	N/A	N/A	5.6	1.5	T-1
P4254-04	MH-147-SLUDGE	02	100.03	2000	N/A	N/A	N/A	4.0	1.0	T-1
P4258-04	Chamberlain Ave	03	100.04	2000	N/A	N/A	N/A	5.6	1.5	T-1
P4270-04	IB-2	04	100.02	2000	N/A	N/A	N/A	5.8	1.0	T-1
P4276-02	VNJ-208	05	100.03	2000	N/A	N/A	N/A	7.2	1.5	T-1
PB163851TB	LEB851	06	N/A	2000	N/A	N/A	N/A	4.94	1.0	T-1

Alliance TECHNICAL GROUP

TCLP Solid Determination

PB163851

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
P4242-04	TP-Q	N/A	N/A	N/A	N/A	100	N/A
P4254-04	MH-147-SLUDGE	N/A	N/A	N/A	N/A	100	N/A
P4258-04	Chamberlain Ave	N/A	N/A	N/A	N/A	100	N/A
P4270-04	IB-2	N/A	N/A	N/A	N/A	100	N/A
P4276-02	VNJ-208	N/A	N/A	N/A	N/A	100	N/A
PB163851TB	LEB851	N/A	N/A	N/A	N/A	N/A	N/A

Alliance TECHNICAL GROUP

TCLP Fluid Determination

PB163851

Hot Block ID : WC S-1 /WC S-2

Thermometer ID : FLASHPOINT

SampleID	ClientID	Sample Weight (g)	Volume DI Water (mL)	PH after 5 min stir	PH after 10 min stir	Extraction Fluid 1 or 2	pH Extraction Fluid
P4242-04	TP-Q	5.02	96.5	7.6	2.0	#1	4.93
P4254-04	MH-147-SLUDGE	5.01	96.5	6.6	1.5	#1	4.93
P4258-04	Chamberlain Ave	5.03	96.5	7.6	2.0	#1	4.93
P4270-04	IB-2	5.02	96.5	8.4	3.0	#1	4.93
P4276-02	VNJ-208	5.02	96.5	9.0	4.0	#1	4.93
PB163851TB	LEB851	N/A	N/A	N/A	N/A	#1	4.93

WORKLIST(Hardcopy Internal Chain)

WorkList Name : tclp p4258 **WorkList ID :** 184036 **Department :** TCLP Extraction **Date :** 10-02-2024 09:43:17

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4242-04	TP-Q	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	J51	10/01/2024	1311
P4254-04	MH-147-SLUDGE	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	J51	10/01/2024	1311
P4258-04	Chamberlain Ave	Solid	TCLP Extraction	Cool 4 deg C	ROMA02	H11	10/01/2024	1311
P4270-04	IB-2	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	J51	10/02/2024	1311
P4276-02	VNJ-208	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	J53	10/02/2024	1311

Date/Time 10/02/24 16:30
Raw Sample Received by:
Raw Sample Relinquished by:

Date/Time 10/02/24 19:00
Raw Sample Received by:
Raw Sample Relinquished by:

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB163891

SOP ID:	M3510C,3580A-Extraction Pesticide-16				
Clean Up SOP #:	N/A			**Extraction Start Date :**	10/03/2024
Matrix :	Water			**Extraction Start Time :**	11:50
Weigh By:	N/A	**Extraction By:**	RS	**Extraction End Date :**	10/03/2024
Balance check:	N/A	**Filter By:**	RS	**Extraction End Time :**	16:45
Balance ID:	N/A	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	E3574	**Hood ID:**	4,6,7	**Supervisor By :**	rajesh

Extraction Method: [√] Seperatory Funnel [ ] Continious Liquid/Liquid [ ] Sonication [ ] Waste Dilution [ ] Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	500 PPB	PP23638
Surrogate	1.0ML	200 PPB	PP23641
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Methylene Chloride	N/A	E3803
Baked Na2SO4	N/A	EP2541
Hexane	N/A	E3805
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40ML Vial Lot # 03-40BTS721.

KD Bath ID:	WATER BATH-1	**Envap ID:**	NE VAP-02
KD Bath Temperature:	60 °C	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/3/24	RP (Ext. Lab)	R - Prep/PCB Lab
16:50	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB163891

Analytical Method: M3510C,3580A-Extraction Pesticide-16 **Concentration Date:** 10/03/2024

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB163851TB	PB163851TB	TCLP Pesticide	100	6	RUPESH	ritesh	10			SEP-1
PB163891BL	PBLK891	TCLP Pesticide	1000	6	RUPESH	ritesh	10			2
PB163891BS	PLCS891	TCLP Pesticide	1000	6	RUPESH	ritesh	10			3
P4258-04	CHAMBERLAIN AVE	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		4
P4258-04MS	CHAMBERLAIN AVEMS	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		5
P4258-04MSD	CHAMBERLAIN AVEMSD	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		6

* Extracts relinquished on the same date as received.

10/3/24

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB163851

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
P4242-04	TP-Q	01	100.02	2000	N/A	N/A	N/A	5.6	1.5	T-1
P4254-04	MH-147-SLUDGE	02	100.03	2000	N/A	N/A	N/A	4.0	1.0	T-1
P4258-04	Chamberlain Ave	03	100.04	2000	N/A	N/A	N/A	5.6	1.5	T-1
P4270-04	IB-2	04	100.02	2000	N/A	N/A	N/A	5.8	1.0	T-1
P4276-02	VNJ-208	05	100.03	2000	N/A	N/A	N/A	7.2	1.5	T-1
PB163851TB	LEB851	06	N/A	2000	N/A	N/A	N/A	4.94	1.0	T-1

10/03/24

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LAB CHRONICLE

OrderID:	P4258	**OrderDate:**	10/1/2024 1:21:00 PM
Client:	Roman E&G Corp	**Project:**	Perth Amboy
Contact:	Mark Mattheiss	**Location:**	H11,H51

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4258-04	**Chamberlain Ave**	**TCLP**			**10/01/24**			**10/01/24**
			TCLP Pesticide	8081B		10/03/24	10/03/24	

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Fax : 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: P4258 **Order ID:** P4258

Client: Roman E&G Corp **Project ID:** Perth Amboy

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units

Client ID :

Total Concentration: 0.000

SAMPLE DATA

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

Report of Analysis

Client:	Roman E&G Corp	Date Collected:	10/01/24
Project:	Perth Amboy	Date Received:	10/01/24
Client Sample ID:	Chamberlain Ave	SDG No.:	P4258
Lab Sample ID:	P4258-03	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	86 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP067446.D	1	10/02/24 08:30	10/02/24 23:15	PB163832

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.90	U	3.90	19.7	ug/kg
11104-28-2	Aroclor-1221	7.40	U	7.40	19.7	ug/kg
11141-16-5	Aroclor-1232	3.90	U	3.90	19.7	ug/kg
53469-21-9	Aroclor-1242	3.90	U	3.90	19.7	ug/kg
12672-29-6	Aroclor-1248	9.20	U	9.20	19.7	ug/kg
11097-69-1	Aroclor-1254	3.20	U	3.20	19.7	ug/kg
37324-23-5	Aroclor-1262	5.30	U	5.30	19.7	ug/kg
11100-14-4	Aroclor-1268	4.00	U	4.00	19.7	ug/kg
11096-82-5	Aroclor-1260	3.40	U	3.40	19.7	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	14.3		32 - 144	72%	SPK: 20
2051-24-3	Decachlorobiphenyl	13.5		32 - 175	68%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

QC SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Surrogate Summary

SDG No.: P4258

Client: Roman E&G Corp

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PP067251.D	PIBLK-PP067251.D	Tetrachloro-m-xylene	1	20	18.8	94		60	140
		Decachlorobiphenyl	1	20	21.3	106		60	140
		Tetrachloro-m-xylene	2	20	18.6	93		60	140
		Decachlorobiphenyl	2	20	21.2	106		60	140
I.BLK-PP067430.D	PIBLK-PP067430.D	Tetrachloro-m-xylene	1	20	16.2	81		60	140
		Decachlorobiphenyl	1	20	16.4	82		60	140
		Tetrachloro-m-xylene	2	20	16.0	80		60	140
		Decachlorobiphenyl	2	20	16.7	83		60	140
PB163832BL	PB163832BL	Tetrachloro-m-xylene	1	20	16.1	81		32	144
		Decachlorobiphenyl	1	20	16.8	84		32	175
		Tetrachloro-m-xylene	2	20	15.9	80		32	144
		Decachlorobiphenyl	2	20	16.3	81		32	175
PB163832BS	PB163832BS	Tetrachloro-m-xylene	1	20	17.4	87		32	144
		Decachlorobiphenyl	1	20	16.1	81		32	175
		Tetrachloro-m-xylene	2	20	17.3	86		32	144
		Decachlorobiphenyl	2	20	16.4	82		32	175
P4255-01MS	OR-03-100124MS	Tetrachloro-m-xylene	1	20	17.1	85		32	144
		Decachlorobiphenyl	1	20	13.5	68		32	175
		Tetrachloro-m-xylene	2	20	14.9	75		32	144
		Decachlorobiphenyl	2	20	12.3	62		32	175
P4255-01MSD	OR-03-100124MSD	Tetrachloro-m-xylene	1	20	17.3	87		32	144
		Decachlorobiphenyl	1	20	13.1	65		32	175
		Tetrachloro-m-xylene	2	20	14.9	75		32	144
		Decachlorobiphenyl	2	20	12.3	61		32	175
I.BLK-PP067445.D	PIBLK-PP067445.D	Tetrachloro-m-xylene	1	20	16.5	82		60	140
		Decachlorobiphenyl	1	20	16.1	81		60	140
		Tetrachloro-m-xylene	2	20	16.4	82		60	140
		Decachlorobiphenyl	2	20	16.5	82		60	140
P4258-03	Chamberlain Ave	Tetrachloro-m-xylene	1	20	14.3	72		32	144
		Decachlorobiphenyl	1	20	13.1	66		32	175
		Tetrachloro-m-xylene	2	20	14.2	71		32	144
		Decachlorobiphenyl	2	20	13.5	68		32	175
I.BLK-PP067456.D	PIBLK-PP067456.D	Tetrachloro-m-xylene	1	20	16.4	82		60	140
		Decachlorobiphenyl	1	20	16.5	83		60	140
		Tetrachloro-m-xylene	2	20	16.3	81		60	140
		Decachlorobiphenyl	2	20	16.7	84		60	140

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4258

Client: Roman E&G Corp

Analytical Method: 8082A **DataFile :** PP067436.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Client Sample ID:	**OR-03-100124MS**											
P4255-01MS	AR1016	188.8	0	144	ug/kg	76				55	146	
	AR1260	188.8	0	116	ug/kg	61				45	144	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4258

Client: Roman E&G Corp

Analytical Method: 8082A **DataFile :** PP067437.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Client Sample ID:	**OR-03-100124MSD**											
P4255-01MSD	AR1016	189.1	0	143	ug/kg	76		0		55	146	20
	AR1260	189.1	0	104	ug/kg	55		10		45	144	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4258

Client: Roman E&G Corp

Analytical Method: 8082A **Datafile :** PP067432.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB163832BS	AR1016	166.5	122	ug/kg	73				71	120	
	AR1260	166.5	110	ug/kg	66				65	130	

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4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB163832BL

Lab Name: CHEMTECH Contract: ROMA02

Lab Code: CHEM Case No.: P4258 SAS No.: P4258 SDG NO.: P4258

Lab Sample ID: PB163832BL Lab File ID: PP067431.D

Matrix: (soil/water) Solid Extraction: (Type)

Sulfur Cleanup: (Y/N) N Date Extracted: 10/02/2024

Date Analyzed (1): 10/02/2024 Date Analyzed (2): 10/02/2024

Time Analyzed (1): 14:54 Time Analyzed (2): 14:54

Instrument ID (1): ECD_P Instrument ID (2): ECD_P

GC Column (1): ZB-MR1 ID: 0.32 (mm) GC Column (2): ZB-MR2 ID: 0.32 (mm)

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
PB163832BS	PB163832BS	PP067432.D	10/02/2024	10/02/2024
OR-03-100124MS	P4255-01MS	PP067436.D	10/02/2024	10/02/2024
OR-03-100124MSD	P4255-01MSD	PP067437.D	10/02/2024	10/02/2024
Chamberlain Ave	P4258-03	PP067446.D	10/02/2024	10/02/2024

COMMENTS:

QC SAMPLE DATA

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

Report of Analysis

Client:	Roman E&G Corp		Date Collected:		
Project:	Perth Amboy		Date Received:		
Client Sample ID:	PB163832BL		SDG No.:	P4258	
Lab Sample ID:	PB163832BL		Matrix:	SOIL	
Analytical Method:	SW8082A		% Solid:	100	Decanted:
Sample Wt/Vol:	30.02	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP067431.D	1	10/02/24 08:30	10/02/24 14:54	PB163832

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.40	U	3.40	17.0	ug/kg
11104-28-2	Aroclor-1221	6.40	U	6.40	17.0	ug/kg
11141-16-5	Aroclor-1232	3.40	U	3.40	17.0	ug/kg
53469-21-9	Aroclor-1242	3.40	U	3.40	17.0	ug/kg
12672-29-6	Aroclor-1248	7.90	U	7.90	17.0	ug/kg
11097-69-1	Aroclor-1254	2.70	U	2.70	17.0	ug/kg
37324-23-5	Aroclor-1262	4.60	U	4.60	17.0	ug/kg
11100-14-4	Aroclor-1268	3.40	U	3.40	17.0	ug/kg
11096-82-5	Aroclor-1260	2.90	U	2.90	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	16.1		32 - 144	81%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.8		32 - 175	84%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Roman E&G Corp	Date Collected:	09/26/24
Project:	Perth Amboy	Date Received:	09/26/24
Client Sample ID:	PIBLK-PP067251.D	SDG No.:	P4258
Lab Sample ID:	I.BLK-PP067251.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP067251.D	1		09/26/24	PP092624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.6		60 - 140	93%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.2		60 - 140	106%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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

Report of Analysis

Client:	Roman E&G Corp	Date Collected:	10/02/24
Project:	Perth Amboy	Date Received:	10/02/24
Client Sample ID:	PIBLK-PP067430.D	SDG No.:	P4258
Lab Sample ID:	I.BLK-PP067430.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP067430.D	1		10/02/24	PP100224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	16.0		60 - 140	80%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.4		60 - 140	82%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Fax : 908 789 8922

Report of Analysis

Client:	Roman E&G Corp	Date Collected:	10/02/24
Project:	Perth Amboy	Date Received:	10/02/24
Client Sample ID:	PIBLK-PP067445.D	SDG No.:	P4258
Lab Sample ID:	I.BLK-PP067445.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP067445.D	1		10/02/24	PP100224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	16.4		60 - 140	82%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.1		60 - 140	81%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Roman E&G Corp	Date Collected:	10/03/24
Project:	Perth Amboy	Date Received:	10/03/24
Client Sample ID:	PIBLK-PP067456.D	SDG No.:	P4258
Lab Sample ID:	I.BLK-PP067456.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP067456.D	1		10/03/24	PP100224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	16.3		60 - 140	81%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.5		60 - 140	83%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Roman E&G Corp	Date Collected:	
Project:	Perth Amboy	Date Received:	
Client Sample ID:	PB163832BS	SDG No.:	P4258
Lab Sample ID:	PB163832BS	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	100 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP067432.D	1	10/02/24 08:30	10/02/24 15:11	PB163832

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	122		3.40	17.0	ug/kg
11104-28-2	Aroclor-1221	6.40	U	6.40	17.0	ug/kg
11141-16-5	Aroclor-1232	3.40	U	3.40	17.0	ug/kg
53469-21-9	Aroclor-1242	3.40	U	3.40	17.0	ug/kg
12672-29-6	Aroclor-1248	7.90	U	7.90	17.0	ug/kg
11097-69-1	Aroclor-1254	2.70	U	2.70	17.0	ug/kg
37324-23-5	Aroclor-1262	4.60	U	4.60	17.0	ug/kg
11100-14-4	Aroclor-1268	3.40	U	3.40	17.0	ug/kg
11096-82-5	Aroclor-1260	110		2.90	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	17.4		32 - 144	87%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.4		32 - 175	82%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Roman E&G Corp	Date Collected:	10/01/24
Project:	Perth Amboy	Date Received:	10/01/24
Client Sample ID:	OR-03-100124MS	SDG No.:	P4258
Lab Sample ID:	P4255-01MS	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	88.1 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP067436.D	1	10/02/24 08:30	10/02/24 16:15	PB163832

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	144		3.80	19.3	ug/kg
11104-28-2	Aroclor-1221	7.30	U	7.30	19.3	ug/kg
11141-16-5	Aroclor-1232	3.90	U	3.90	19.3	ug/kg
53469-21-9	Aroclor-1242	3.80	U	3.80	19.3	ug/kg
12672-29-6	Aroclor-1248	8.90	U	8.90	19.3	ug/kg
11097-69-1	Aroclor-1254	3.10	U	3.10	19.3	ug/kg
37324-23-5	Aroclor-1262	5.20	U	5.20	19.3	ug/kg
11100-14-4	Aroclor-1268	3.90	U	3.90	19.3	ug/kg
11096-82-5	Aroclor-1260	116		3.30	19.3	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	17.1		32 - 144	85%	SPK: 20
2051-24-3	Decachlorobiphenyl	13.5		32 - 175	68%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Roman E&G Corp	Date Collected:	10/01/24
Project:	Perth Amboy	Date Received:	10/01/24
Client Sample ID:	OR-03-100124MSD	SDG No.:	P4258
Lab Sample ID:	P4255-01MSD	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	88.1 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP067437.D	1	10/02/24 08:30	10/02/24 16:31	PB163832

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	143		3.80	19.3	ug/kg
11104-28-2	Aroclor-1221	7.30	U	7.30	19.3	ug/kg
11141-16-5	Aroclor-1232	3.90	U	3.90	19.3	ug/kg
53469-21-9	Aroclor-1242	3.80	U	3.80	19.3	ug/kg
12672-29-6	Aroclor-1248	9.00	U	9.00	19.3	ug/kg
11097-69-1	Aroclor-1254	3.10	U	3.10	19.3	ug/kg
37324-23-5	Aroclor-1262	5.20	U	5.20	19.3	ug/kg
11100-14-4	Aroclor-1268	3.90	U	3.90	19.3	ug/kg
11096-82-5	Aroclor-1260	104		3.30	19.3	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	17.3		32 - 144	87%	SPK: 20
2051-24-3	Decachlorobiphenyl	13.1		32 - 175	65%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

CALIBRATION SUMMARY

Alliance TECHNICAL GROUP
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RETENTION TIMES OF INITIAL CALIBRATION

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Instrument ID: ECD_P **Calibration Date(s):** 09/26/2024 09/26/2024

Calibration Times: 16:35 23:51

GC Column: ZB-MR1 ID: 0.32 (mm)

LAB FILE ID: RT 1000 = PP067252.D RT 750 = PP067253.D

RT 500 = PP067254.D RT 250 = PP067255.D RT 050 = PP067256.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	5.92	5.92	5.92	5.92	5.92	5.92	5.82	6.02
Aroclor-1016-2	(2)	5.94	5.94	5.94	5.94	5.94	5.94	5.84	6.04
Aroclor-1016-3	(3)	6.00	6.00	6.00	6.00	6.00	6.00	5.90	6.10
Aroclor-1016-4	(4)	6.10	6.10	6.10	6.10	6.10	6.10	6.00	6.20
Aroclor-1016-5	(5)	6.39	6.40	6.40	6.40	6.40	6.40	6.30	6.50
Aroclor-1260-1	(1)	7.52	7.52	7.52	7.52	7.52	7.52	7.42	7.62
Aroclor-1260-2	(2)	7.77	7.77	7.77	7.77	7.77	7.77	7.67	7.87
Aroclor-1260-3	(3)	8.13	8.13	8.13	8.13	8.13	8.13	8.03	8.23
Aroclor-1260-4	(4)	8.37	8.37	8.37	8.37	8.37	8.37	8.27	8.47
Aroclor-1260-5	(5)	8.71	8.71	8.71	8.71	8.71	8.71	8.61	8.81
Decachlorobiphenyl		10.66	10.66	10.66	10.66	10.66	10.66	10.56	10.76
Tetrachloro-m-xylene		4.75	4.75	4.75	4.75	4.75	4.75	4.65	4.85
Aroclor-1242-1	(1)	5.92	5.92	5.92	5.92	5.92	5.92	5.82	6.02
Aroclor-1242-2	(2)	5.94	5.94	5.94	5.94	5.94	5.94	5.84	6.04
Aroclor-1242-3	(3)	6.01	6.00	6.00	6.00	6.00	6.00	5.90	6.10
Aroclor-1242-4	(4)	6.10	6.10	6.10	6.10	6.10	6.10	6.00	6.20
Aroclor-1242-5	(5)	6.84	6.84	6.84	6.84	6.84	6.84	6.74	6.94
Decachlorobiphenyl		10.67	10.66	10.66	10.66	10.66	10.66	10.56	10.76
Tetrachloro-m-xylene		4.75	4.75	4.75	4.75	4.75	4.75	4.65	4.85
Aroclor-1248-1	(1)	5.92	5.92	5.92	5.92	5.92	5.92	5.82	6.02
Aroclor-1248-2	(2)	6.19	6.19	6.19	6.19	6.19	6.19	6.09	6.29
Aroclor-1248-3	(3)	6.40	6.40	6.40	6.40	6.40	6.40	6.30	6.50
Aroclor-1248-4	(4)	6.80	6.80	6.80	6.80	6.80	6.80	6.70	6.90
Aroclor-1248-5	(5)	6.84	6.84	6.84	6.83	6.84	6.84	6.74	6.94
Decachlorobiphenyl		10.66	10.66	10.66	10.66	10.67	10.66	10.56	10.76
Tetrachloro-m-xylene		4.75	4.75	4.75	4.75	4.75	4.75	4.65	4.85
Aroclor-1254-1	(1)	6.77	6.77	6.77	6.77	6.77	6.77	6.67	6.87
Aroclor-1254-2	(2)	6.99	6.99	6.99	6.99	6.99	6.99	6.89	7.09
Aroclor-1254-3	(3)	7.35	7.35	7.35	7.35	7.35	7.35	7.25	7.45
Aroclor-1254-4	(4)	7.64	7.64	7.64	7.64	7.64	7.64	7.54	7.74
Aroclor-1254-5	(5)	8.05	8.05	8.05	8.05	8.05	8.05	7.95	8.15
Decachlorobiphenyl		10.66	10.66	10.66	10.66	10.66	10.66	10.56	10.76
Tetrachloro-m-xylene		4.75	4.75	4.75	4.75	4.75	4.75	4.65	4.85
Aroclor-1268-1	(1)	9.04	9.04	9.04	9.04	9.04	9.04	8.94	9.14
Aroclor-1268-2	(2)	9.14	9.14	9.14	9.14	9.14	9.14	9.04	9.24
Aroclor-1268-3	(3)	9.39	9.39	9.39	9.39	9.39	9.39	9.29	9.49
Aroclor-1268-4	(4)	9.84	9.84	9.84	9.84	9.84	9.84	9.74	9.94
Aroclor-1268-5	(5)	10.29	10.29	10.29	10.29	10.29	10.29	10.19	10.39

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	10.66	10.66	10.66	10.66	10.66	10.66	10.56	10.76
Tetrachloro-m-xylene	4.75	4.75	4.75	4.75	4.75	4.75	4.65	4.85

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Instrument ID: ECD_P **Calibration Date(s):** 09/26/2024 09/26/2024

Calibration Times: 16:35 23:51

GC Column: ZB-MR2 ID: 0.32 (mm)

LAB FILE ID: RT 1000 = PP067252.D RT 750 = PP067253.D

RT 500 = PP067254.D RT 250 = PP067255.D RT 050 = PP067256.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	5.16	5.16	5.16	5.16	5.16	5.16	5.06	5.26
Aroclor-1016-2	(2)	5.18	5.18	5.18	5.18	5.18	5.18	5.08	5.28
Aroclor-1016-3	(3)	5.36	5.36	5.37	5.37	5.37	5.36	5.26	5.46
Aroclor-1016-4	(4)	5.40	5.40	5.40	5.40	5.40	5.40	5.30	5.50
Aroclor-1016-5	(5)	5.62	5.62	5.62	5.62	5.62	5.62	5.52	5.72
Aroclor-1260-1	(1)	6.67	6.67	6.67	6.67	6.67	6.67	6.57	6.77
Aroclor-1260-2	(2)	6.85	6.85	6.86	6.85	6.85	6.85	6.75	6.95
Aroclor-1260-3	(3)	7.01	7.01	7.01	7.01	7.01	7.01	6.91	7.11
Aroclor-1260-4	(4)	7.49	7.49	7.49	7.49	7.49	7.49	7.39	7.59
Aroclor-1260-5	(5)	7.73	7.73	7.73	7.73	7.73	7.73	7.63	7.83
Decachlorobiphenyl		9.23	9.23	9.23	9.22	9.23	9.23	9.13	9.33
Tetrachloro-m-xylene		4.05	4.05	4.05	4.05	4.05	4.05	3.95	4.15
Aroclor-1242-1	(1)	5.16	5.16	5.16	5.16	5.16	5.16	5.06	5.26
Aroclor-1242-2	(2)	5.18	5.18	5.18	5.18	5.18	5.18	5.08	5.28
Aroclor-1242-3	(3)	5.37	5.37	5.37	5.36	5.37	5.37	5.27	5.47
Aroclor-1242-4	(4)	5.45	5.45	5.45	5.45	5.45	5.45	5.35	5.55
Aroclor-1242-5	(5)	5.98	5.98	5.98	5.98	5.98	5.98	5.88	6.08
Decachlorobiphenyl		9.23	9.23	9.23	9.23	9.23	9.23	9.13	9.33
Tetrachloro-m-xylene		4.05	4.05	4.05	4.05	4.05	4.05	3.95	4.15
Aroclor-1248-1	(1)	5.16	5.16	5.16	5.16	5.16	5.16	5.06	5.26
Aroclor-1248-2	(2)	5.40	5.40	5.40	5.40	5.40	5.40	5.30	5.50
Aroclor-1248-3	(3)	5.45	5.45	5.45	5.45	5.45	5.45	5.35	5.55
Aroclor-1248-4	(4)	5.62	5.62	5.62	5.62	5.62	5.62	5.52	5.72
Aroclor-1248-5	(5)	6.02	6.02	6.02	6.02	6.02	6.02	5.92	6.12
Decachlorobiphenyl		9.22	9.23	9.22	9.23	9.23	9.23	9.13	9.33
Tetrachloro-m-xylene		4.05	4.05	4.05	4.05	4.05	4.05	3.95	4.15
Aroclor-1254-1	(1)	5.98	5.98	5.98	5.98	5.98	5.98	5.88	6.08
Aroclor-1254-2	(2)	6.13	6.13	6.13	6.13	6.13	6.13	6.03	6.23
Aroclor-1254-3	(3)	6.54	6.54	6.54	6.54	6.54	6.54	6.44	6.64
Aroclor-1254-4	(4)	6.77	6.77	6.77	6.76	6.77	6.77	6.67	6.87
Aroclor-1254-5	(5)	7.19	7.19	7.19	7.19	7.19	7.19	7.09	7.29
Decachlorobiphenyl		9.23	9.23	9.23	9.23	9.23	9.23	9.13	9.33
Tetrachloro-m-xylene		4.05	4.05	4.05	4.05	4.05	4.05	3.95	4.15
Aroclor-1268-1	(1)	8.01	8.01	8.01	8.01	8.01	8.01	7.91	8.11
Aroclor-1268-2	(2)	8.08	8.08	8.08	8.08	8.08	8.08	7.98	8.18
Aroclor-1268-3	(3)	8.30	8.30	8.30	8.30	8.30	8.30	8.20	8.40
Aroclor-1268-4	(4)	8.61	8.61	8.61	8.61	8.60	8.61	8.51	8.71
Aroclor-1268-5	(5)	8.93	8.93	8.93	8.93	8.93	8.93	8.83	9.03

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	9.23	9.23	9.23	9.23	9.23	9.23	9.13	9.33
Tetrachloro-m-xylene	4.05	4.05	4.05	4.05	4.05	4.05	3.95	4.15

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Instrument ID: ECD_P **Calibration Date(s):** 09/26/2024 09/26/2024

Calibration Times: 16:35 23:51

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

LAB FILE ID: **CF 1000 =** PP067252.D **CF 750 =** PP067253.D

CF 500 = PP067254.D **CF 250 =** PP067255.D **CF 050 =** PP067256.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	44419111	47843915	48463766	51457240	46214600	47679726	6
Aroclor-1016-2	(2)	66273346	69936809	70695050	74503600	64800180	69241797	6
Aroclor-1016-3	(3)	42126964	44870201	45584096	48480564	42289060	44670177	6
Aroclor-1016-4	(4)	34486401	36688400	37384872	38804648	32312260	35935316	7
Aroclor-1016-5	(5)	35241870	36831423	36565640	40574232	35035380	36849709	6
Aroclor-1260-1	(1)	72804474	74636249	76976410	86724760	82770500	78782479	7
Aroclor-1260-2	(2)	83283968	85879869	87579650	96576876	102407900	91145653	9
Aroclor-1260-3	(3)	59203825	61727104	62206822	68594056	64118760	63170113	6
Aroclor-1260-4	(4)	71691054	72427019	74993884	82954028	75461040	75505405	6
Aroclor-1260-5	(5)	126425614	128097603	125670370	136734476	130449300	129475473	3
Decachlorobiphenyl		1428986690	1451331547	1388207880	1534539680	1455479200	1451708999	4
Tetrachloro-m-xylene		1320948110	1333938373	1371732600	1421719440	1272137200	1344095145	4
Aroclor-1242-1	(1)	32590287	35438405	35684390	39394724	34704880	35562537	7
Aroclor-1242-2	(2)	49525733	51136908	52275440	56483700	52175500	52319456	5
Aroclor-1242-3	(3)	31537636	33210816	33798564	37146508	34712320	34081169	6
Aroclor-1242-4	(4)	25485111	27097747	27716496	29942828	26887540	27425944	6
Aroclor-1242-5	(5)	27959336	29744957	29619882	31303116	30181720	29761802	4
Decachlorobiphenyl		1228628910	1282332080	1315551520	1436258040	1400909800	1332736070	6
Tetrachloro-m-xylene		1274763390	1308384813	1318477360	1378792040	1190196800	1294122881	5
Aroclor-1248-1	(1)	26142314	28136507	28756662	30766392	27373520	28235079	6
Aroclor-1248-2	(2)	40429411	43430761	45434880	48587248	44092000	44394860	7
Aroclor-1248-3	(3)	45010600	48345327	50727652	53116168	45420600	48524069	7
Aroclor-1248-4	(4)	49122151	51881811	54829062	58556964	56908720	54259742	7
Aroclor-1248-5	(5)	48706813	52366436	54707374	56932820	63007200	55144129	10
Decachlorobiphenyl		1179855010	1266318733	1362655540	1467619240	1518349400	1358959585	10
Tetrachloro-m-xylene		1257022680	1308333093	1315308180	1318520440	1300100000	1299856879	2
Aroclor-1254-1	(1)	54370186	59336697	64783254	66257520	66769100	62303351	9
Aroclor-1254-2	(2)	81855852	84674907	91938532	99456720	95746360	90734474	8
Aroclor-1254-3	(3)	85913006	89279845	95579072	101841008	96380160	93798618	7
Aroclor-1254-4	(4)	61059801	62216724	67990500	72965140	68987480	66643929	7
Aroclor-1254-5	(5)	73231896	75975464	84633810	92281900	84856400	82195894	9
Decachlorobiphenyl		1252633320	1291359093	1426357700	1567389680	1561818000	1419911559	10
Tetrachloro-m-xylene		1274651600	1302777227	1369214640	1398315920	1230485000	1315088877	5
Aroclor-1268-1	(1)	175908119	184905628	198548274	210006300	193282300	192530124	7

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	156842145	165093857	177267534	186684644	167072200	170592076	7
Aroclor-1268-3	(3)	135684912	143226937	158093186	164596312	151221780	150564625	8
Aroclor-1268-4	(4)	56156840	60654088	65088082	69244892	53115220	60851824	11
Aroclor-1268-5	(5)	402419786	420609543	444259204	469029060	423811480	432025815	6
Decachlorobiphenyl		1995353170	2111300013	2288684640	2485300560	2316967800	2239521237	9
Tetrachloro-m-xylene		1269582350	1281467173	1329784700	1362552800	1155860600	1279849525	6

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Instrument ID: ECD_P **Calibration Date(s):** 09/26/2024 09/26/2024

Calibration Times: 16:35 23:51

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

LAB FILE ID: **CF 1000 =** PP067252.D **CF 750 =** PP067253.D

CF 500 = PP067254.D **CF 250 =** PP067255.D **CF 050 =** PP067256.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	47507624	50065296	50596566	56447684	53276980	51578830	7
Aroclor-1016-2	(2)	67054634	70699065	70688422	75675856	71402760	71104147	4
Aroclor-1016-3	(3)	37686975	39498207	39671004	43195096	38937580	39797772	5
Aroclor-1016-4	(4)	31659913	33241739	34193378	38223664	35326760	34529091	7
Aroclor-1016-5	(5)	39859554	41288944	42279940	47109232	44012600	42910054	7
Aroclor-1260-1	(1)	76704775	76744993	79629732	88860204	87077780	81803497	7
Aroclor-1260-2	(2)	88692208	89174457	90577018	100949340	100329460	93944497	7
Aroclor-1260-3	(3)	87237954	86709761	88200132	98147496	92681860	90595441	5
Aroclor-1260-4	(4)	64325827	63516555	64916068	72170496	68474160	66680621	5
Aroclor-1260-5	(5)	143340290	143126123	140670062	152771532	148018120	145585225	3
Decachlorobiphenyl		1286582750	1372480587	1327626500	1467729840	1435706000	1378025135	5
Tetrachloro-m-xylene		1462340340	1484383840	1501244320	1587440040	1435319800	1494145668	4
Aroclor-1242-1	(1)	35183205	36871547	37882946	42238536	39553660	38345979	7
Aroclor-1242-2	(2)	48701033	51295347	52516600	57501448	51827220	52368330	6
Aroclor-1242-3	(3)	27626744	29298227	29834082	32375592	29468800	29720689	6
Aroclor-1242-4	(4)	28951851	31055845	32149928	35455392	33280540	32178711	8
Aroclor-1242-5	(5)	34473679	37292215	38185746	41782456	39156820	38178183	7
Decachlorobiphenyl		1192213450	1244799987	1277145640	1395684640	1393433600	1300655463	7
Tetrachloro-m-xylene		1390273470	1434732867	1457949020	1541345360	1399576200	1444775383	4
Aroclor-1248-1	(1)	27588187	29574940	31091976	33170676	31703540	30625864	7
Aroclor-1248-2	(2)	40345419	43286764	45479288	49885104	47841840	45367683	8
Aroclor-1248-3	(3)	42187695	45333489	47552076	51799776	49806180	47335843	8
Aroclor-1248-4	(4)	49076618	52617733	55044738	59607604	55193140	54307967	7
Aroclor-1248-5	(5)	44447724	47412072	49239092	53031592	49561920	48738480	6
Decachlorobiphenyl		1148423880	1228734080	1317796480	1434839040	1432111000	1312380896	10
Tetrachloro-m-xylene		1386396710	1440109453	1444296880	1496590320	1361770200	1425832713	4
Aroclor-1254-1	(1)	72410325	75156131	82001486	88732416	87005480	81061168	9
Aroclor-1254-2	(2)	65042328	67686927	74211806	81368784	78402740	73342517	9
Aroclor-1254-3	(3)	103377816	106525328	115857578	124448572	119885800	114019019	8
Aroclor-1254-4	(4)	57019875	58844723	63158998	69623192	63428600	62415078	8
Aroclor-1254-5	(5)	94217776	96861493	106044638	113458560	102765100	102669513	7
Decachlorobiphenyl		1217083410	1264809373	1392461240	1523977680	1504204800	1380507301	10
Tetrachloro-m-xylene		1404767980	1441205667	1507072340	1548308360	1404292800	1461129429	4
Aroclor-1268-1	(1)	185241584	194268752	208513166	215875424	203147560	201409297	6

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	164970336	174654029	185442450	191027352	178236640	178866161	6
Aroclor-1268-3	(3)	146694065	153538260	163846224	171430012	158826960	158867104	6
Aroclor-1268-4	(4)	60171176	63753664	68832810	72444200	57620380	64564446	9
Aroclor-1268-5	(5)	414150414	437759647	461679468	462522504	432852520	441792911	5
Decachlorobiphenyl		2014313240	2126447307	2276844760	2395709880	2294694800	2221601997	7
Tetrachloro-m-xylene		1381378820	1411462773	1475519260	1527573680	1367485400	1432683987	5

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Instrument ID: ECD_P **Date(s) Analyzed:** 09/26/2024 09/26/2024

GC Column: ZB-MR1 **ID:** 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Aroclor-1221	500	1	4.96	4.86	5.06	16740700
		2	5.04	4.94	5.14	12669100
		3	5.12	5.02	5.22	38701400
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	5.12	5.02	5.22	32063000
		2	5.65	5.55	5.75	17799400
		3	5.94	5.84	6.04	31612600
		4	6.10	6.00	6.20	16136900
		5	6.19	6.09	6.29	13528700
Aroclor-1262	500	1	8.37	8.27	8.47	95348600
		2	8.71	8.61	8.81	162249000
		3	9.05	8.95	9.15	117480000
		4	9.14	9.04	9.24	92486400
		5	9.84	9.74	9.94	61222600

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Instrument ID: ECD_P **Date(s) Analyzed:** 09/26/2024 09/26/2024

GC Column: ZB-MR2 **ID:** 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Aroclor-1221	500	1	4.27	4.17	4.37	19118000
		2	4.36	4.26	4.46	14671200
		3	4.44	4.34	4.54	43363800
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.44	4.34	4.54	35971200
		2	5.18	5.08	5.28	33127600
		3	5.36	5.26	5.46	17965800
		4	5.45	5.35	5.55	17488700
		5	5.62	5.52	5.72	18776200
Aroclor-1262	500	1	7.23	7.13	7.33	105179000
		2	7.49	7.39	7.59	94676000
		3	8.01	7.91	8.11	73351600
		4	8.08	7.98	8.18	131798000
		5	8.61	8.51	8.71	60759600

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CALIBRATION VERIFICATION SUMMARY

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Continuing Calib Date: 10/02/2024 **Initial Calibration Date(s):** 09/26/2024 09/26/2024

Continuing Calib Time: 13:34 **Initial Calibration Time(s):** 16:35 23:51

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	5.92	5.92	5.82	6.02	0.00
Aroclor-1016-2	(2)	5.94	5.94	5.84	6.04	0.00
Aroclor-1016-3	(3)	6.00	6.00	5.90	6.10	0.00
Aroclor-1016-4	(4)	6.10	6.10	6.00	6.20	0.00
Aroclor-1016-5	(5)	6.40	6.40	6.30	6.50	0.00
Aroclor-1260-1	(1)	7.52	7.52	7.42	7.62	0.00
Aroclor-1260-2	(2)	7.77	7.77	7.67	7.87	0.00
Aroclor-1260-3	(3)	8.13	8.13	8.03	8.23	0.00
Aroclor-1260-4	(4)	8.37	8.37	8.27	8.47	0.00
Aroclor-1260-5	(5)	8.71	8.71	8.61	8.81	0.00
Tetrachloro-m-xylene		4.75	4.75	4.65	4.85	0.00
Decachlorobiphenyl		10.66	10.66	10.56	10.76	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Continuing Calib Date: 10/02/2024 **Initial Calibration Date(s):** 09/26/2024 09/26/2024

Continuing Calib Time: 13:34 **Initial Calibration Time(s):** 16:35 23:51

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	5.16	5.16	5.06	5.26	0.00
Aroclor-1016-2	(2)	5.18	5.18	5.08	5.28	0.00
Aroclor-1016-3	(3)	5.36	5.37	5.27	5.47	0.01
Aroclor-1016-4	(4)	5.40	5.40	5.30	5.50	0.00
Aroclor-1016-5	(5)	5.62	5.62	5.52	5.72	0.00
Aroclor-1260-1	(1)	6.66	6.67	6.57	6.77	0.01
Aroclor-1260-2	(2)	6.85	6.86	6.76	6.96	0.01
Aroclor-1260-3	(3)	7.01	7.01	6.91	7.11	0.00
Aroclor-1260-4	(4)	7.48	7.49	7.39	7.59	0.01
Aroclor-1260-5	(5)	7.72	7.73	7.63	7.83	0.01
Tetrachloro-m-xylene		4.05	4.05	3.95	4.15	0.00
Decachlorobiphenyl		9.22	9.23	9.13	9.33	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 09/26/2024 09/26/2024

Client Sample No.: CCAL01 **Date Analyzed:** 10/02/2024

Lab Sample No.: AR1660CCC500 **Data File :** PP067426.D **Time Analyzed:** 13:34

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.917	5.817	6.017	474.830	500.000	-5.0
Aroclor-1016-2	5.940	5.840	6.040	469.370	500.000	-6.1
Aroclor-1016-3	6.003	5.903	6.103	478.840	500.000	-4.2
Aroclor-1016-4	6.101	6.002	6.202	478.430	500.000	-4.3
Aroclor-1016-5	6.396	6.296	6.496	480.050	500.000	-4.0
Aroclor-1260-1	7.519	7.418	7.618	430.280	500.000	-13.9
Aroclor-1260-2	7.772	7.672	7.872	420.850	500.000	-15.8
Aroclor-1260-3	8.133	8.033	8.233	431.910	500.000	-13.6
Aroclor-1260-4	8.372	8.271	8.471	443.950	500.000	-11.2
Aroclor-1260-5	8.708	8.608	8.808	444.910	500.000	-11.0
Decachlorobiphenyl	10.661	10.561	10.761	47.300	50.000	-5.4
Tetrachloro-m-xylene	4.753	4.653	4.853	50.950	50.000	1.9

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CALIBRATION VERIFICATION SUMMARY

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 09/26/2024 09/26/2024

Client Sample No.: CCAL01 **Date Analyzed:** 10/02/2024

Lab Sample No.: AR1660CCC500 **Data File :** PP067426.D **Time Analyzed:** 13:34

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.160	5.064	5.264	449.100	500.000	-10.2
Aroclor-1016-2	5.181	5.084	5.284	459.490	500.000	-8.1
Aroclor-1016-3	5.361	5.265	5.465	460.030	500.000	-8.0
Aroclor-1016-4	5.400	5.304	5.504	457.300	500.000	-8.5
Aroclor-1016-5	5.619	5.524	5.724	462.480	500.000	-7.5
Aroclor-1260-1	6.664	6.569	6.769	433.030	500.000	-13.4
Aroclor-1260-2	6.850	6.755	6.955	436.360	500.000	-12.7
Aroclor-1260-3	7.008	6.913	7.113	439.810	500.000	-12.0
Aroclor-1260-4	7.483	7.388	7.588	446.520	500.000	-10.7
Aroclor-1260-5	7.721	7.626	7.826	454.610	500.000	-9.1
Decachlorobiphenyl	9.218	9.126	9.326	48.380	50.000	-3.2
Tetrachloro-m-xylene	4.051	3.953	4.153	49.670	50.000	-0.7

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CALIBRATION VERIFICATION SUMMARY

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Continuing Calib Date: 10/02/2024 **Initial Calibration Date(s):** 09/26/2024 09/26/2024

Continuing Calib Time: 20:39 **Initial Calibration Time(s):** 16:35 23:51

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	5.92	5.92	5.82	6.02	0.01
Aroclor-1016-2	(2)	5.94	5.94	5.84	6.04	0.00
Aroclor-1016-3	(3)	6.00	6.00	5.90	6.10	0.00
Aroclor-1016-4	(4)	6.10	6.10	6.00	6.20	0.00
Aroclor-1016-5	(5)	6.39	6.40	6.30	6.50	0.01
Aroclor-1260-1	(1)	7.52	7.52	7.42	7.62	0.00
Aroclor-1260-2	(2)	7.77	7.77	7.67	7.87	0.00
Aroclor-1260-3	(3)	8.13	8.13	8.03	8.23	0.00
Aroclor-1260-4	(4)	8.37	8.37	8.27	8.47	0.00
Aroclor-1260-5	(5)	8.71	8.71	8.61	8.81	0.00
Tetrachloro-m-xylene		4.75	4.75	4.65	4.85	0.00
Decachlorobiphenyl		10.66	10.66	10.56	10.76	0.00

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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Continuing Calib Date: 10/02/2024 **Initial Calibration Date(s):** 09/26/2024 09/26/2024

Continuing Calib Time: 20:39 **Initial Calibration Time(s):** 16:35 23:51

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	5.16	5.16	5.06	5.26	0.00
Aroclor-1016-2	(2)	5.18	5.18	5.08	5.28	0.00
Aroclor-1016-3	(3)	5.36	5.37	5.27	5.47	0.01
Aroclor-1016-4	(4)	5.40	5.40	5.30	5.50	0.00
Aroclor-1016-5	(5)	5.62	5.62	5.52	5.72	0.00
Aroclor-1260-1	(1)	6.66	6.67	6.57	6.77	0.01
Aroclor-1260-2	(2)	6.85	6.86	6.76	6.96	0.01
Aroclor-1260-3	(3)	7.01	7.01	6.91	7.11	0.00
Aroclor-1260-4	(4)	7.48	7.49	7.39	7.59	0.01
Aroclor-1260-5	(5)	7.72	7.73	7.63	7.83	0.01
Tetrachloro-m-xylene		4.05	4.05	3.95	4.15	0.00
Decachlorobiphenyl		9.22	9.23	9.13	9.33	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 09/26/2024 09/26/2024

Client Sample No.: CCAL02 **Date Analyzed:** 10/02/2024

Lab Sample No.: AR1660CCC500 **Data File :** PP067441.D **Time Analyzed:** 20:39

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.915	5.817	6.017	467.930	500.000	-6.4
Aroclor-1016-2	5.939	5.840	6.040	469.650	500.000	-6.1
Aroclor-1016-3	6.002	5.903	6.103	472.860	500.000	-5.4
Aroclor-1016-4	6.099	6.002	6.202	475.230	500.000	-5.0
Aroclor-1016-5	6.394	6.296	6.496	471.350	500.000	-5.7
Aroclor-1260-1	7.517	7.418	7.618	403.120	500.000	-19.4
Aroclor-1260-2	7.771	7.672	7.872	388.800	500.000	-22.2
Aroclor-1260-3	8.132	8.033	8.233	392.700	500.000	-21.5
Aroclor-1260-4	8.369	8.271	8.471	401.410	500.000	-19.7
Aroclor-1260-5	8.706	8.608	8.808	414.930	500.000	-17.0
Decachlorobiphenyl	10.662	10.561	10.761	45.470	50.000	-9.1
Tetrachloro-m-xylene	4.752	4.653	4.853	51.050	50.000	2.1

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CALIBRATION VERIFICATION SUMMARY

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 09/26/2024 09/26/2024

Client Sample No.: CCAL02 **Date Analyzed:** 10/02/2024

Lab Sample No.: AR1660CCC500 **Data File :** PP067441.D **Time Analyzed:** 20:39

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.160	5.064	5.264	461.960	500.000	-7.6
Aroclor-1016-2	5.180	5.084	5.284	464.100	500.000	-7.2
Aroclor-1016-3	5.361	5.265	5.465	487.090	500.000	-2.6
Aroclor-1016-4	5.400	5.304	5.504	473.080	500.000	-5.4
Aroclor-1016-5	5.619	5.524	5.724	488.330	500.000	-2.3
Aroclor-1260-1	6.664	6.569	6.769	426.610	500.000	-14.7
Aroclor-1260-2	6.850	6.755	6.955	421.090	500.000	-15.8
Aroclor-1260-3	7.008	6.913	7.113	413.950	500.000	-17.2
Aroclor-1260-4	7.483	7.388	7.588	420.960	500.000	-15.8
Aroclor-1260-5	7.721	7.626	7.826	422.840	500.000	-15.4
Decachlorobiphenyl	9.217	9.126	9.326	46.090	50.000	-7.8
Tetrachloro-m-xylene	4.051	3.953	4.153	50.060	50.000	0.1

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CALIBRATION VERIFICATION SUMMARY

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Continuing Calib Date: 10/03/2024 **Initial Calibration Date(s):** 09/26/2024 09/26/2024

Continuing Calib Time: 02:06 **Initial Calibration Time(s):** 16:35 23:51

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	5.92	5.92	5.82	6.02	0.00
Aroclor-1016-2	(2)	5.94	5.94	5.84	6.04	0.00
Aroclor-1016-3	(3)	6.00	6.00	5.90	6.10	0.00
Aroclor-1016-4	(4)	6.10	6.10	6.00	6.20	0.00
Aroclor-1016-5	(5)	6.40	6.40	6.30	6.50	0.01
Aroclor-1260-1	(1)	7.52	7.52	7.42	7.62	0.00
Aroclor-1260-2	(2)	7.77	7.77	7.67	7.87	0.00
Aroclor-1260-3	(3)	8.13	8.13	8.03	8.23	0.00
Aroclor-1260-4	(4)	8.37	8.37	8.27	8.47	0.00
Aroclor-1260-5	(5)	8.71	8.71	8.61	8.81	0.00
Tetrachloro-m-xylene		4.75	4.75	4.65	4.85	0.00
Decachlorobiphenyl		10.66	10.66	10.56	10.76	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Continuing Calib Date: 10/03/2024 **Initial Calibration Date(s):** 09/26/2024 09/26/2024

Continuing Calib Time: 02:06 **Initial Calibration Time(s):** 16:35 23:51

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	5.16	5.16	5.06	5.26	0.00
Aroclor-1016-2	(2)	5.18	5.18	5.08	5.28	0.00
Aroclor-1016-3	(3)	5.36	5.37	5.27	5.47	0.01
Aroclor-1016-4	(4)	5.40	5.40	5.30	5.50	0.00
Aroclor-1016-5	(5)	5.62	5.62	5.52	5.72	0.00
Aroclor-1260-1	(1)	6.66	6.67	6.57	6.77	0.01
Aroclor-1260-2	(2)	6.85	6.86	6.76	6.96	0.01
Aroclor-1260-3	(3)	7.01	7.01	6.91	7.11	0.00
Aroclor-1260-4	(4)	7.48	7.49	7.39	7.59	0.01
Aroclor-1260-5	(5)	7.72	7.73	7.63	7.83	0.01
Tetrachloro-m-xylene		4.05	4.05	3.95	4.15	0.00
Decachlorobiphenyl		9.22	9.23	9.13	9.33	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 09/26/2024 09/26/2024

Client Sample No.: CCAL03 **Date Analyzed:** 10/03/2024

Lab Sample No.: AR1660CCC500 **Data File :** PP067452.D **Time Analyzed:** 02:06

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.916	5.817	6.017	471.040	500.000	-5.8
Aroclor-1016-2	5.938	5.840	6.040	477.400	500.000	-4.5
Aroclor-1016-3	6.002	5.903	6.103	481.710	500.000	-3.7
Aroclor-1016-4	6.100	6.002	6.202	473.420	500.000	-5.3
Aroclor-1016-5	6.395	6.296	6.496	479.060	500.000	-4.2
Aroclor-1260-1	7.518	7.418	7.618	439.290	500.000	-12.1
Aroclor-1260-2	7.771	7.672	7.872	419.560	500.000	-16.1
Aroclor-1260-3	8.132	8.033	8.233	424.750	500.000	-15.1
Aroclor-1260-4	8.370	8.271	8.471	433.350	500.000	-13.3
Aroclor-1260-5	8.707	8.608	8.808	438.610	500.000	-12.3
Decachlorobiphenyl	10.661	10.561	10.761	48.020	50.000	-4.0
Tetrachloro-m-xylene	4.752	4.653	4.853	51.400	50.000	2.8

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CALIBRATION VERIFICATION SUMMARY

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 09/26/2024 09/26/2024

Client Sample No.: CCAL03 **Date Analyzed:** 10/03/2024

Lab Sample No.: AR1660CCC500 **Data File :** PP067452.D **Time Analyzed:** 02:06

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.160	5.064	5.264	469.300	500.000	-6.1
Aroclor-1016-2	5.180	5.084	5.284	523.630	500.000	4.7
Aroclor-1016-3	5.361	5.265	5.465	513.240	500.000	2.6
Aroclor-1016-4	5.400	5.304	5.504	494.490	500.000	-1.1
Aroclor-1016-5	5.619	5.524	5.724	514.710	500.000	2.9
Aroclor-1260-1	6.663	6.569	6.769	449.540	500.000	-10.1
Aroclor-1260-2	6.849	6.755	6.955	450.550	500.000	-9.9
Aroclor-1260-3	7.007	6.913	7.113	445.980	500.000	-10.8
Aroclor-1260-4	7.482	7.388	7.588	458.770	500.000	-8.2
Aroclor-1260-5	7.720	7.626	7.826	463.040	500.000	-7.4
Decachlorobiphenyl	9.217	9.126	9.326	49.610	50.000	-0.8
Tetrachloro-m-xylene	4.051	3.953	4.153	50.720	50.000	1.4

Alliance TECHNICAL GROUP
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Analytical Sequence

Client: Roman E&G Corp **SDG No.:** P4258

Project: Perth Amboy **Instrument ID:** ECD_P

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 09/26/2024 09/26/2024

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	09/26/2024	16:19	PP067251.D	10.66	4.75
AR1660ICC1000	AR1660ICC1000	09/26/2024	16:35	PP067252.D	10.66	4.75
AR1660ICC750	AR1660ICC750	09/26/2024	16:51	PP067253.D	10.66	4.75
AR1660ICC500	AR1660ICC500	09/26/2024	17:08	PP067254.D	10.66	4.75
AR1660ICC250	AR1660ICC250	09/26/2024	17:24	PP067255.D	10.66	4.75
AR1660ICC050	AR1660ICC050	09/26/2024	17:40	PP067256.D	10.66	4.75
AR1221ICC500	AR1221ICC500	09/26/2024	17:56	PP067257.D	10.66	4.75
AR1232ICC500	AR1232ICC500	09/26/2024	18:12	PP067258.D	10.66	4.75
AR1242ICC1000	AR1242ICC1000	09/26/2024	18:28	PP067259.D	10.67	4.75
AR1242ICC750	AR1242ICC750	09/26/2024	18:45	PP067260.D	10.66	4.75
AR1242ICC500	AR1242ICC500	09/26/2024	19:01	PP067261.D	10.66	4.75
AR1242ICC250	AR1242ICC250	09/26/2024	19:17	PP067262.D	10.66	4.75
AR1242ICC050	AR1242ICC050	09/26/2024	19:33	PP067263.D	10.66	4.75
AR1248ICC1000	AR1248ICC1000	09/26/2024	19:49	PP067264.D	10.66	4.75
AR1248ICC750	AR1248ICC750	09/26/2024	20:05	PP067265.D	10.66	4.75
AR1248ICC500	AR1248ICC500	09/26/2024	20:21	PP067266.D	10.66	4.75
AR1248ICC250	AR1248ICC250	09/26/2024	20:38	PP067267.D	10.66	4.75
AR1248ICC050	AR1248ICC050	09/26/2024	20:54	PP067268.D	10.67	4.75
AR1254ICC1000	AR1254ICC1000	09/26/2024	21:10	PP067269.D	10.66	4.75
AR1254ICC750	AR1254ICC750	09/26/2024	21:26	PP067270.D	10.66	4.75
AR1254ICC500	AR1254ICC500	09/26/2024	21:42	PP067271.D	10.66	4.75
AR1254ICC250	AR1254ICC250	09/26/2024	21:58	PP067272.D	10.66	4.75
AR1254ICC050	AR1254ICC050	09/26/2024	22:14	PP067273.D	10.66	4.75
AR1262ICC500	AR1262ICC500	09/26/2024	22:30	PP067274.D	10.66	4.75
AR1268ICC1000	AR1268ICC1000	09/26/2024	22:47	PP067275.D	10.66	4.75
AR1268ICC750	AR1268ICC750	09/26/2024	23:03	PP067276.D	10.66	4.75
AR1268ICC500	AR1268ICC500	09/26/2024	23:19	PP067277.D	10.66	4.75
AR1268ICC250	AR1268ICC250	09/26/2024	23:35	PP067278.D	10.66	4.75
AR1268ICC050	AR1268ICC050	09/26/2024	23:51	PP067279.D	10.66	4.75
AR1660CCC500	AR1660CCC500	10/02/2024	13:34	PP067426.D	10.66	4.75
I.BLK	I.BLK	10/02/2024	14:38	PP067430.D	10.66	4.75
PB163832BL	PB163832BL	10/02/2024	14:54	PP067431.D	10.66	4.75
PB163832BS	PB163832BS	10/02/2024	15:11	PP067432.D	10.66	4.75
OR-03-100124MS	P4255-01MS	10/02/2024	16:15	PP067436.D	10.66	4.75
OR-03-100124MSD	P4255-01MSD	10/02/2024	16:31	PP067437.D	10.66	4.75
AR1660CCC500	AR1660CCC500	10/02/2024	20:39	PP067441.D	10.66	4.75
I.BLK	I.BLK	10/02/2024	22:59	PP067445.D	10.66	4.75
Chamberlain Ave	P4258-03	10/02/2024	23:15	PP067446.D	10.66	4.75
AR1660CCC500	AR1660CCC500	10/03/2024	02:06	PP067452.D	10.66	4.75
I.BLK	I.BLK	10/03/2024	03:10	PP067456.D	10.66	4.75

Alliance TECHNICAL GROUP
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Analytical Sequence

Client: Roman E&G Corp **SDG No.:** P4258

Project: Perth Amboy **Instrument ID:** ECD_P

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 09/26/2024 09/26/2024

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	09/26/2024	16:19	PP067251.D	9.23	4.05
AR1660ICC1000	AR1660ICC1000	09/26/2024	16:35	PP067252.D	9.23	4.05
AR1660ICC750	AR1660ICC750	09/26/2024	16:51	PP067253.D	9.23	4.05
AR1660ICC500	AR1660ICC500	09/26/2024	17:08	PP067254.D	9.23	4.05
AR1660ICC250	AR1660ICC250	09/26/2024	17:24	PP067255.D	9.22	4.05
AR1660ICC050	AR1660ICC050	09/26/2024	17:40	PP067256.D	9.23	4.05
AR1221ICC500	AR1221ICC500	09/26/2024	17:56	PP067257.D	9.23	4.05
AR1232ICC500	AR1232ICC500	09/26/2024	18:12	PP067258.D	9.22	4.05
AR1242ICC1000	AR1242ICC1000	09/26/2024	18:28	PP067259.D	9.23	4.05
AR1242ICC750	AR1242ICC750	09/26/2024	18:45	PP067260.D	9.23	4.05
AR1242ICC500	AR1242ICC500	09/26/2024	19:01	PP067261.D	9.23	4.05
AR1242ICC250	AR1242ICC250	09/26/2024	19:17	PP067262.D	9.23	4.05
AR1242ICC050	AR1242ICC050	09/26/2024	19:33	PP067263.D	9.23	4.05
AR1248ICC1000	AR1248ICC1000	09/26/2024	19:49	PP067264.D	9.22	4.05
AR1248ICC750	AR1248ICC750	09/26/2024	20:05	PP067265.D	9.23	4.05
AR1248ICC500	AR1248ICC500	09/26/2024	20:21	PP067266.D	9.22	4.05
AR1248ICC250	AR1248ICC250	09/26/2024	20:38	PP067267.D	9.23	4.05
AR1248ICC050	AR1248ICC050	09/26/2024	20:54	PP067268.D	9.23	4.05
AR1254ICC1000	AR1254ICC1000	09/26/2024	21:10	PP067269.D	9.23	4.05
AR1254ICC750	AR1254ICC750	09/26/2024	21:26	PP067270.D	9.23	4.05
AR1254ICC500	AR1254ICC500	09/26/2024	21:42	PP067271.D	9.23	4.05
AR1254ICC250	AR1254ICC250	09/26/2024	21:58	PP067272.D	9.23	4.05
AR1254ICC050	AR1254ICC050	09/26/2024	22:14	PP067273.D	9.23	4.05
AR1262ICC500	AR1262ICC500	09/26/2024	22:30	PP067274.D	9.23	4.05
AR1268ICC1000	AR1268ICC1000	09/26/2024	22:47	PP067275.D	9.23	4.05
AR1268ICC750	AR1268ICC750	09/26/2024	23:03	PP067276.D	9.23	4.05
AR1268ICC500	AR1268ICC500	09/26/2024	23:19	PP067277.D	9.23	4.05
AR1268ICC250	AR1268ICC250	09/26/2024	23:35	PP067278.D	9.23	4.05
AR1268ICC050	AR1268ICC050	09/26/2024	23:51	PP067279.D	9.23	4.05
AR1660CCC500	AR1660CCC500	10/02/2024	13:34	PP067426.D	9.22	4.05
I.BLK	I.BLK	10/02/2024	14:38	PP067430.D	9.22	4.05
PB163832BL	PB163832BL	10/02/2024	14:54	PP067431.D	9.22	4.05
PB163832BS	PB163832BS	10/02/2024	15:11	PP067432.D	9.22	4.05
OR-03-100124MS	P4255-01MS	10/02/2024	16:15	PP067436.D	9.22	4.05
OR-03-100124MSD	P4255-01MSD	10/02/2024	16:31	PP067437.D	9.22	4.05
AR1660CCC500	AR1660CCC500	10/02/2024	20:39	PP067441.D	9.22	4.05
I.BLK	I.BLK	10/02/2024	22:59	PP067445.D	9.22	4.05
Chamberlain Ave	P4258-03	10/02/2024	23:15	PP067446.D	9.22	4.05
AR1660CCC500	AR1660CCC500	10/03/2024	02:06	PP067452.D	9.22	4.05
I.BLK	I.BLK	10/03/2024	03:10	PP067456.D	9.22	4.05

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

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PB163832BS

Contract: ROMA02

Lab Code: CHEM Case No.: P4258 SAS No.: P4258 SDG NO.: P4258

Lab Sample ID: PB163832BS Date(s) Analyzed: 10/02/2024 10/02/2024

Instrument ID (1): ECD_P Instrument ID (2): ECD_P

GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column:(2): ZB-MR2 ID: 0.32 (mm)

Data file PP067432.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	5.916	5.866	5.966	120		
	2	5.938	5.888	5.988	120		
	3	6.002	5.952	6.052	122		
COLUMN 1	4	6.1	6.05	6.15	124		
	5	6.395	6.345	6.445	122	122	
	1	5.161	5.111	5.211	115		
	2	5.181	5.131	5.231	114		
	3	5.362	5.312	5.412	116		
	4	5.401	5.351	5.451	117		
COLUMN 2	5	5.62	5.57	5.67	116	116	5.04
Aroclor-1260	1	7.518	7.468	7.568	113		
	2	7.771	7.721	7.821	113		
	3	8.133	8.083	8.183	107		
COLUMN 1	4	8.37	8.32	8.42	109		
	5	8.707	8.657	8.757	106	110	
	1	6.664	6.614	6.714	110		
	2	6.851	6.801	6.901	107		
	3	7.009	6.959	7.059	109		
	4	7.484	7.434	7.534	108		
COLUMN 2	5	7.722	7.672	7.772	106	108	1.83

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

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.
OR-03-100124MS

Contract: ROMA02
Lab Code: CHEM Case No.: P4258 SAS No.: P4258 SDG NO.: P4258
Lab Sample ID: P4255-01MS Date(s) Analyzed: 10/02/2024 10/02/2024
Instrument ID (1): ECD_P Instrument ID (2): ECD_P
GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column:(2): ZB-MR2 ID: 0.32 (mm)
Data file PP067436.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	5.917	5.867	5.967	143		
	2	5.94	5.89	5.99	139		
	3	6.004	5.954	6.054	149		
COLUMN 1	4	6.101	6.051	6.151	150		
	5	6.395	6.345	6.445	141	144	
	1	5.161	5.111	5.211	137		
	2	5.181	5.131	5.231	126		
	3	5.361	5.311	5.411	133		
	4	5.401	5.351	5.451	131		
COLUMN 2	5	5.619	5.569	5.669	113	128	11.76
Aroclor-1260	1	7.519	7.469	7.569	114		
	2	7.772	7.722	7.822	142		
	3	8.134	8.084	8.184	104		
COLUMN 1	4	8.372	8.322	8.422	111		
	5	8.708	8.658	8.758	110	116	
	1	6.664	6.614	6.714	105		
	2	6.85	6.8	6.9	103		
	3	7.008	6.958	7.058	102		
	4	7.483	7.433	7.533	102		
COLUMN 2	5	7.721	7.671	7.771	103	103	11.87

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Fax : 908 789 8922

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.
OR-03-100124MSD

Contract: ROMA02

Lab Code: CHEM Case No.: P4258 SAS No.: P4258 SDG NO.: P4258

Lab Sample ID: P4255-01MSD Date(s) Analyzed: 10/02/2024 10/02/2024

Instrument ID (1): ECD_P Instrument ID (2): ECD_P

GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column:(2): ZB-MR2 ID: 0.32 (mm)

Data file PP067437.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	5.915	5.865	5.965	139		
	2	5.938	5.888	5.988	141		
	3	6.002	5.952	6.052	146		
COLUMN 1	4	6.099	6.049	6.149	152		
	5	6.394	6.344	6.444	137	143	
	1	5.16	5.11	5.21	135		
	2	5.18	5.13	5.23	125		
	3	5.361	5.311	5.411	133		
	4	5.4	5.35	5.45	130		
COLUMN 2	5	5.618	5.568	5.668	120	129	10.29
Aroclor-1260	1	7.518	7.468	7.568	108		
	2	7.77	7.72	7.82	104		
	3	8.132	8.082	8.182	99.3		
COLUMN 1	4	8.37	8.32	8.42	104		
	5	8.706	8.656	8.756	108	104	
	1	6.664	6.614	6.714	104		
	2	6.85	6.8	6.9	102		
	3	7.008	6.958	7.058	103		
	4	7.483	7.433	7.533	99.1		
COLUMN 2	5	7.721	7.671	7.771	101	102	1.94

SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100224\
Data File : PP067446.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Oct 2024 23:15
Operator : YP\AJ
Sample : P4258-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
Chamberlain Ave

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/03/2024
Supervised By :Ankita Jodhani 10/03/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 03 00:20:47 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092624.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Sep 27 06:59:05 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.752	4.050	19247595	21181524	14.320	14.176
2)	SA Decachlor...	10.660	9.217	19020608	18624385	13.102	13.515m
	Target Compounds						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

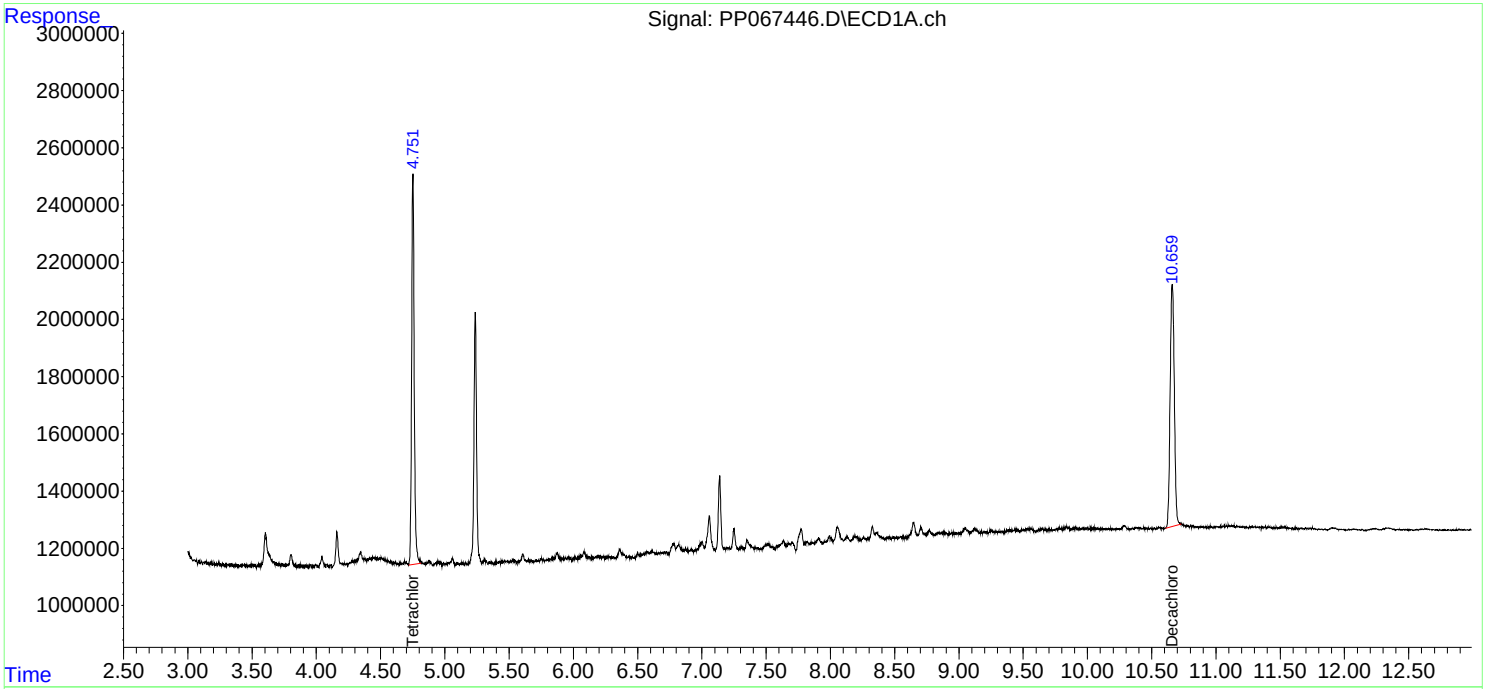
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100224\
Data File : PP067446.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Oct 2024 23:15
Operator : YP\AJ
Sample : P4258-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

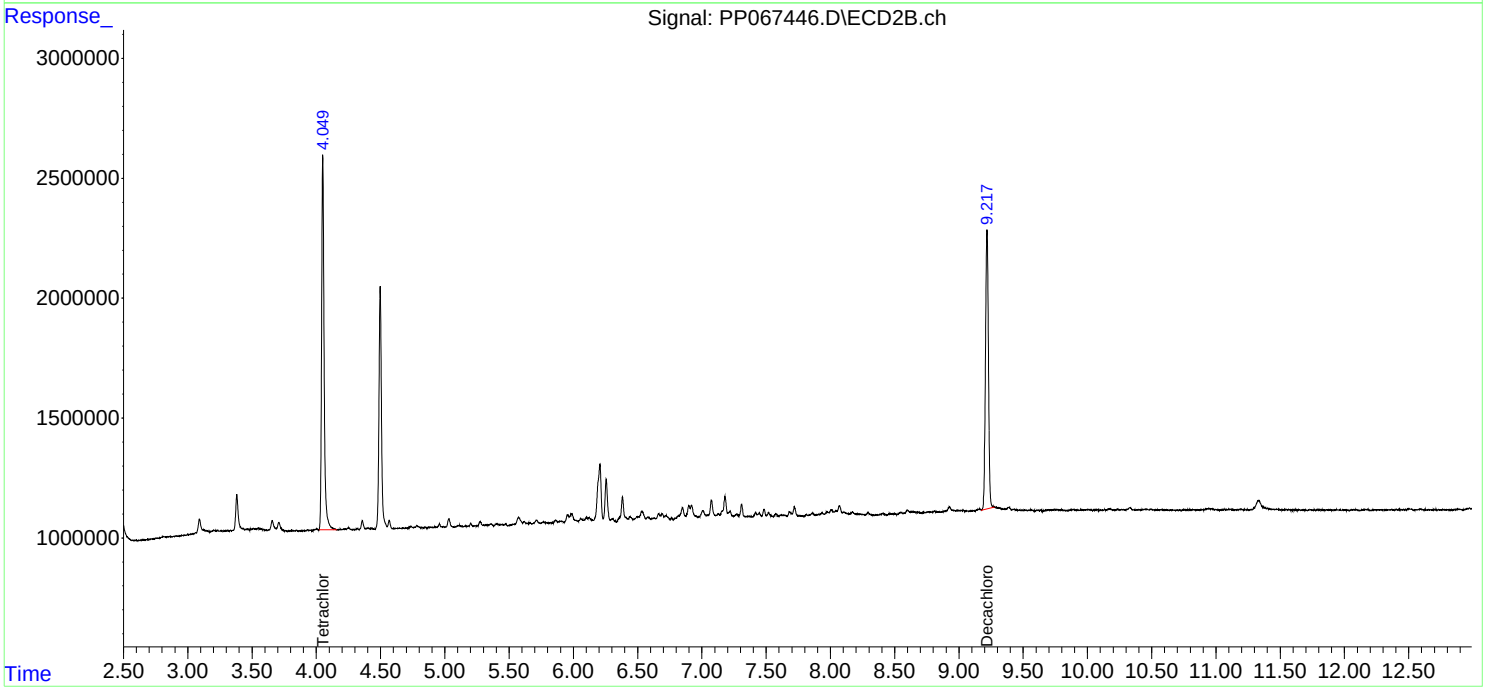
Instrument :
ECD_P
ClientSampleId :
Chamberlain Ave

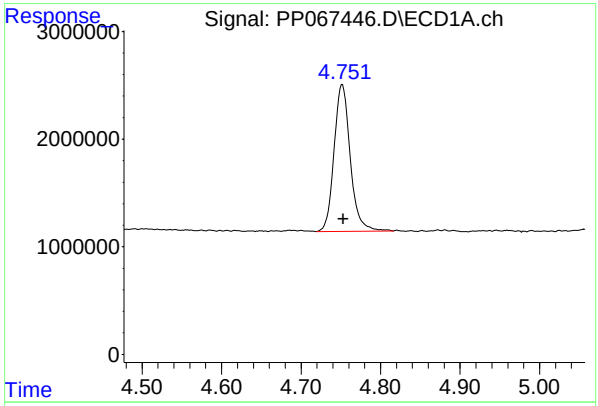
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/03/2024
Supervised By :Ankita Jodhani 10/03/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 03 00:20:47 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092624.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Sep 27 06:59:05 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm







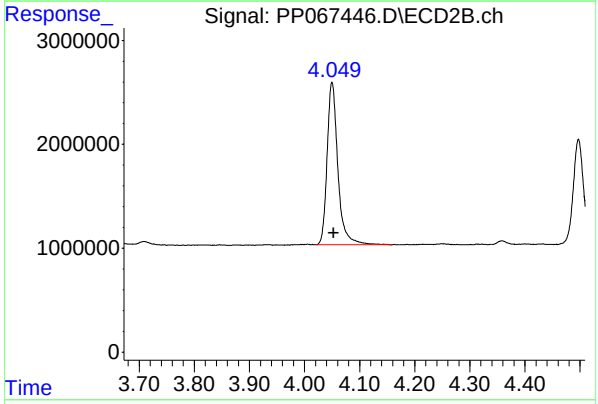
#1 Tetrachloro-m-xylene

R.T.: 4.752 min
Delta R.T.: -0.001 min
Response: 19247595
Conc: 14.32 ng/ml

Instrument :
ECD_P
ClientSampleId :
Chamberlain Ave

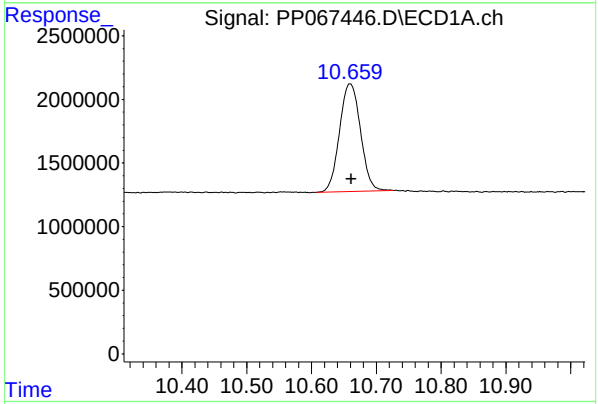
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/03/2024
Supervised By :Ankita Jodhani 10/03/2024



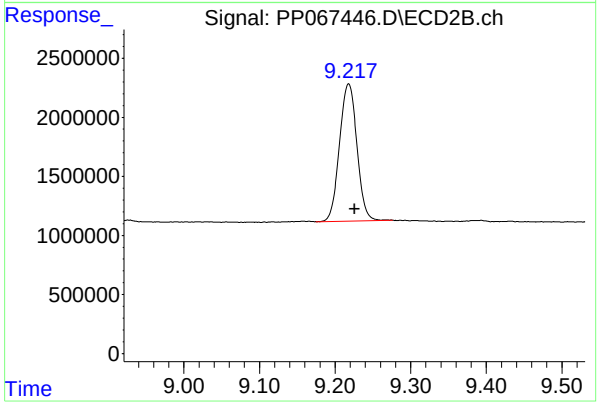
#1 Tetrachloro-m-xylene

R.T.: 4.050 min
Delta R.T.: -0.003 min
Response: 21181524
Conc: 14.18 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.660 min
Delta R.T.: -0.002 min
Response: 19020608
Conc: 13.10 ng/ml



#2 Decachlorobiphenyl

R.T.: 9.217 min
Delta R.T.: -0.009 min
Response: 18624385
Conc: 13.52 ng/ml m

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100224\
Data File : PP067431.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Oct 2024 14:54
Operator : YP\AJ
Sample : PB163832BL
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB163832BL

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/03/2024
Supervised By :Ankita Jodhani 10/03/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 03 00:14:46 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092624.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Sep 27 06:59:05 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.752	4.051	21682242	23816107	16.131	15.940
2)	SA Decachlor...	10.657	9.218	24352858	22410498	16.775m	16.263
	Target Compounds						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

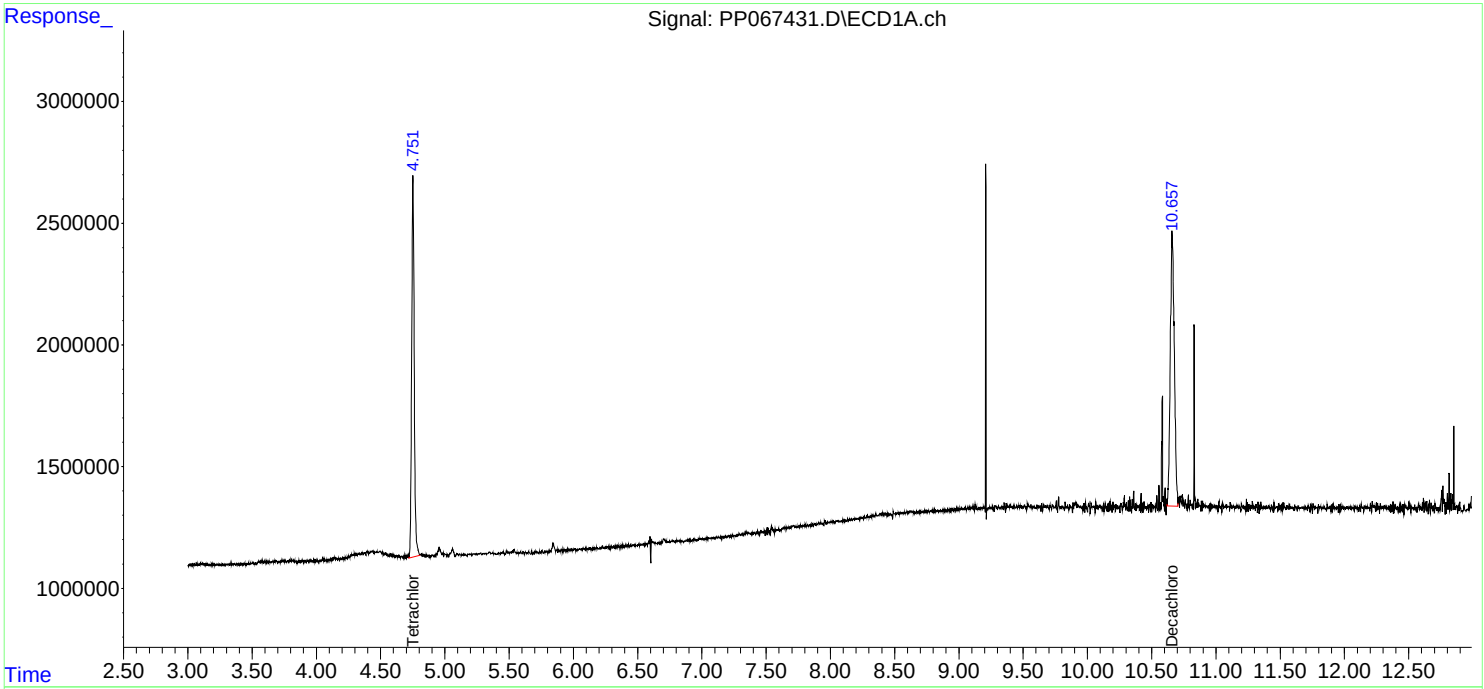
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100224\
Data File : PP067431.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Oct 2024 14:54
Operator : YP\AJ
Sample : PB163832BL
Misc :
ALS Vial : 9 Sample Multiplier: 1

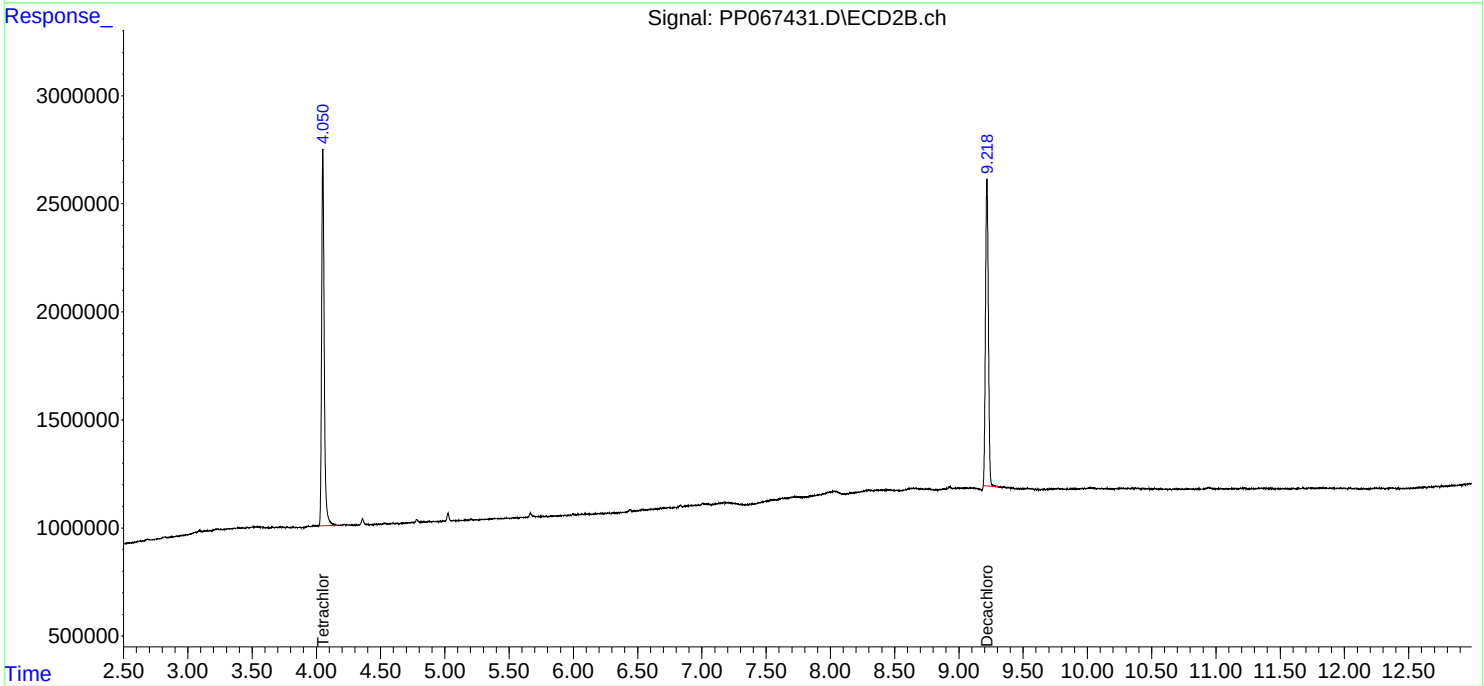
Instrument :
ECD_P
ClientSampleId :
PB163832BL

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/03/2024
Supervised By :Ankita Jodhani 10/03/2024

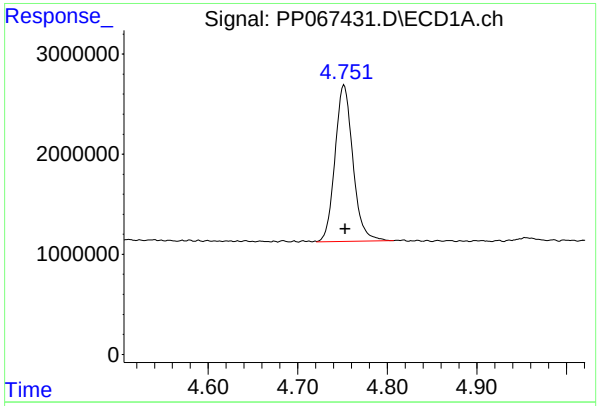
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 03 00:14:46 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092624.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Sep 27 06:59:05 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm





11



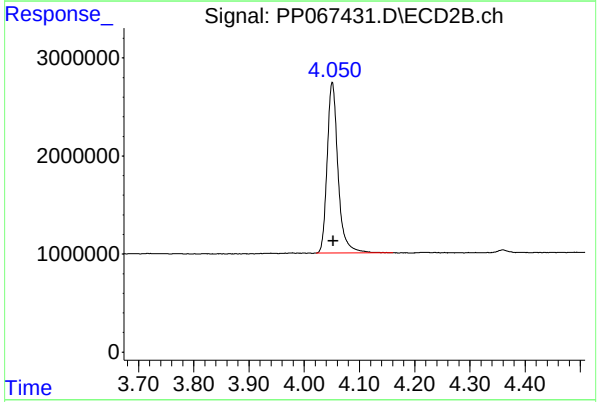
#1 Tetrachloro-m-xylene

R.T.: 4.752 min
Delta R.T.: -0.001 min
Response: 21682242
Conc: 16.13 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB163832BL

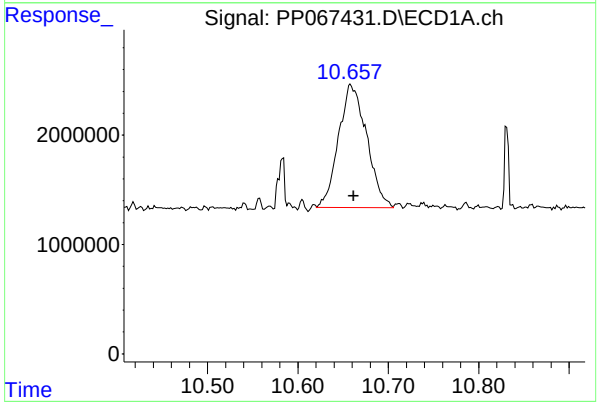
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/03/2024
Supervised By :Ankita Jodhani 10/03/2024



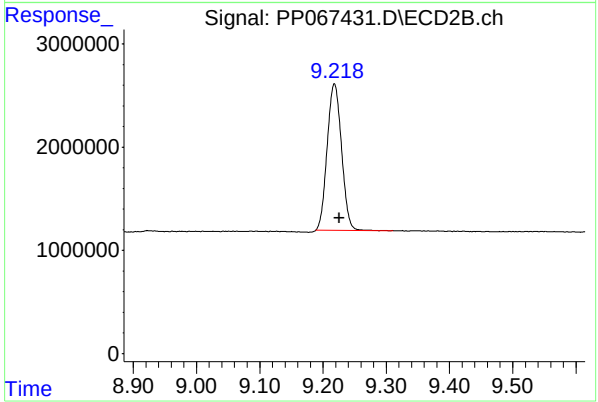
#1 Tetrachloro-m-xylene

R.T.: 4.051 min
Delta R.T.: -0.002 min
Response: 23816107
Conc: 15.94 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.657 min
Delta R.T.: -0.004 min
Response: 24352858
Conc: 16.78 ng/ml m



#2 Decachlorobiphenyl

R.T.: 9.218 min
Delta R.T.: -0.008 min
Response: 22410498
Conc: 16.26 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100224\
Data File : PP067432.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Oct 2024 15:11
Operator : YP\AJ
Sample : PB163832BS
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB163832BS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 03 00:15:04 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092624.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Sep 27 06:59:05 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.752	4.052	23399278	25840649	17.409	17.295
2)	SA Decachlor...	10.662	9.219	23381146	22631199	16.106	16.423m
	Target Compounds						
3)	L1 AR-1016-1	5.916	5.161	17186793	17803419	360.463	345.169
4)	L1 AR-1016-2	5.938	5.181	24974689	24387600	360.688	342.984
5)	L1 AR-1016-3	6.002	5.362	16327890	13833666	365.521	347.599
6)	L1 AR-1016-4	6.100	5.401	13357175	12165052	371.700	352.313
7)	L1 AR-1016-5	6.395	5.620	13547447	15009555	367.641	349.791
31)	L7 AR-1260-1	7.518	6.664	26817688	26988604	340.402	329.920
32)	L7 AR-1260-2	7.771	6.851	30983700	30215526	339.936	321.632
33)	L7 AR-1260-3	8.133	7.009	20368974	29604337	322.446	326.775
34)	L7 AR-1260-4	8.370	7.484	24759097	21570793	327.912	323.494
35)	L7 AR-1260-5	8.707	7.722	41214816	46202267	318.321	317.355

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

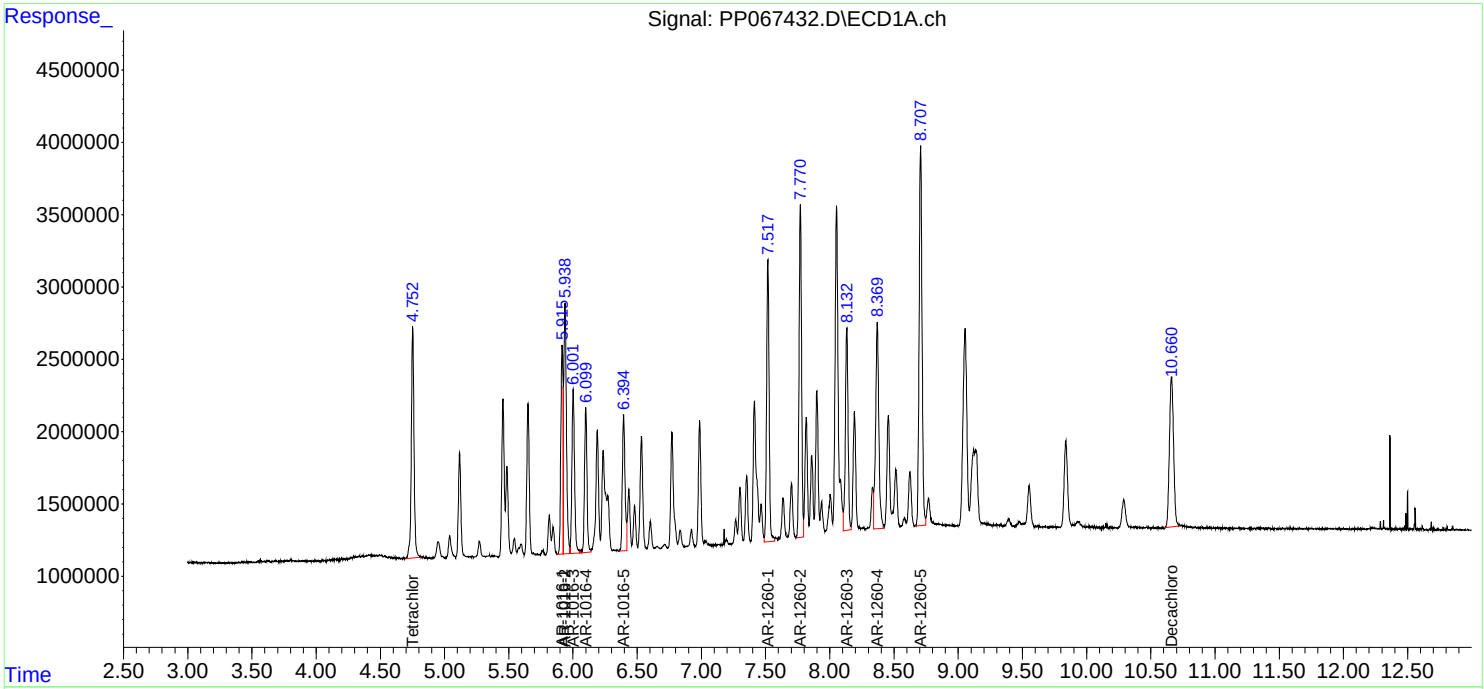
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100224\
Data File : PP067432.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Oct 2024 15:11
Operator : YP\AJ
Sample : PB163832BS
Misc :
ALS Vial : 10 Sample Multiplier: 1

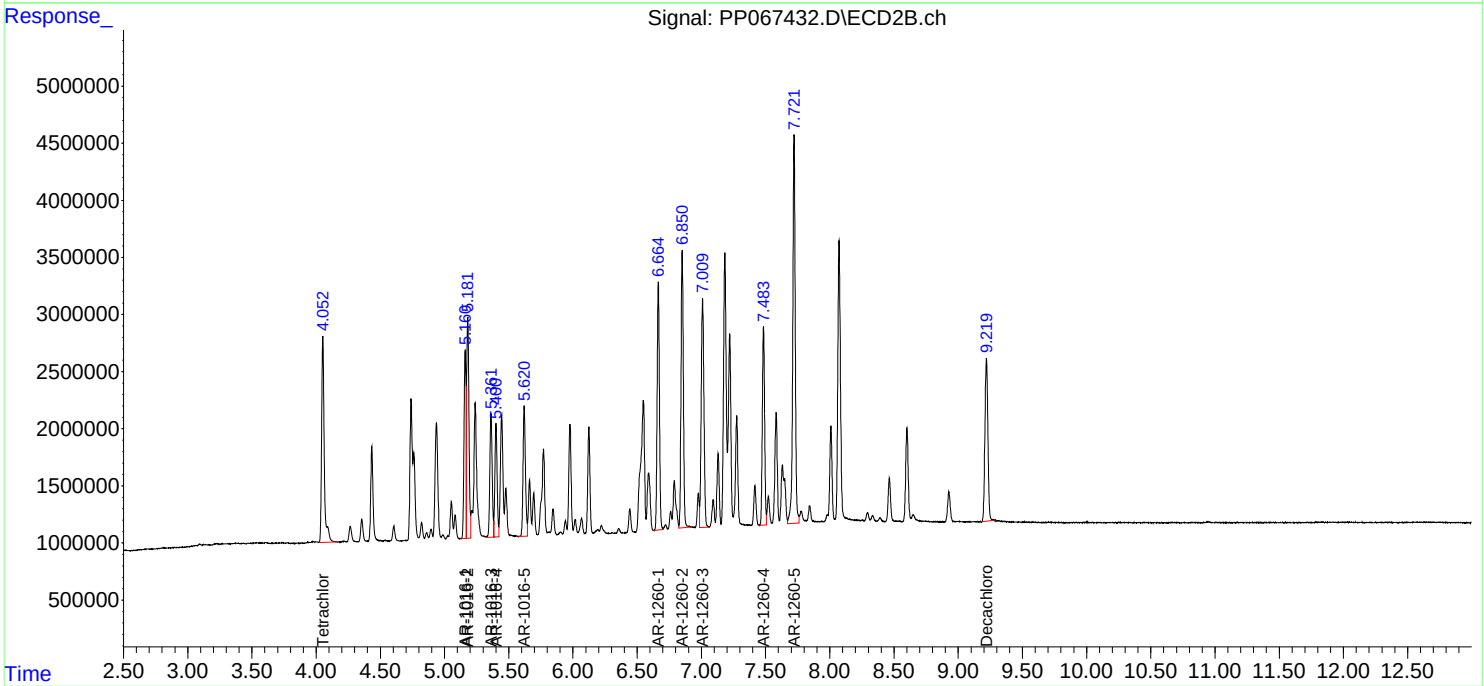
Instrument :
ECD_P
ClientSampleId :
PB163832BS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 03 00:15:04 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092624.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Sep 27 06:59:05 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm





Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100224\
Data File : PP067436.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Oct 2024 16:15
Operator : YP\AJ
Sample : P4255-01MS
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
OR-03-100124MS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/03/2024
Supervised By :Ankita Jodhani 10/03/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 03 00:16:15 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092624.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Sep 27 06:59:05 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.753	4.051	22968192	22282459	17.088	14.913
2)	SA Decachlor...	10.662	9.219	19614691	16944716	13.511	12.296
	Target Compounds						
3)	L1 AR-1016-1	5.917	5.161	18026831	18678662	378.082	362.138
4)	L1 AR-1016-2	5.940	5.181	25556414	23774507	369.089	334.362
5)	L1 AR-1016-3	6.004	5.361	17594116	14012569	393.867	352.094
6)	L1 AR-1016-4	6.101	5.401	14230416	11947893	396.001	346.024
7)	L1 AR-1016-5	6.395	5.619	13802814	12852834	374.570	299.530m
31)	L7 AR-1260-1	7.519	6.664	23724967	22844565	301.145	279.261
32)	L7 AR-1260-2	7.772	6.850	34163381	25528871	374.822	271.744 #
33)	L7 AR-1260-3	8.134	7.008	17467084	24399736	276.509	269.326
34)	L7 AR-1260-4	8.372	7.483	22104076	18061975	292.748	270.873
35)	L7 AR-1260-5	8.708	7.721	37826978	39795389	292.156	273.348

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

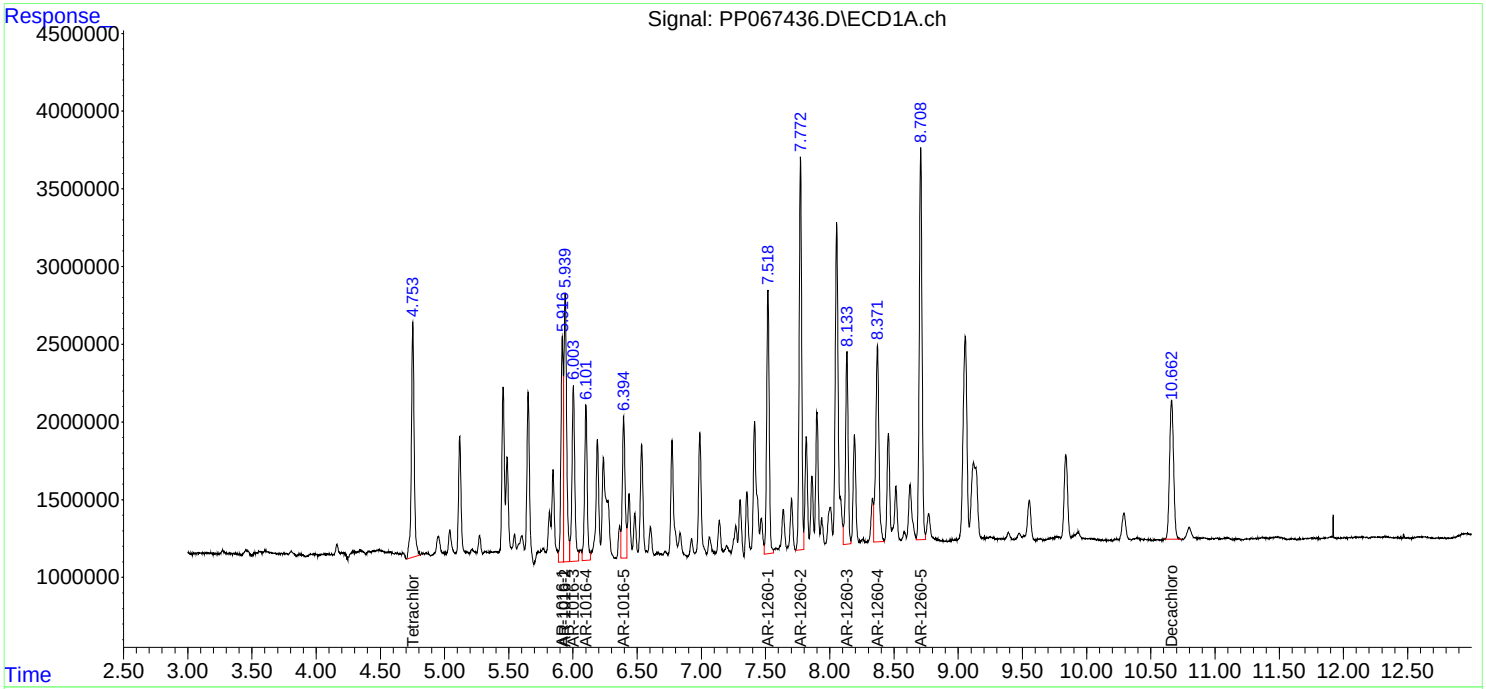
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100224\
Data File : PP067436.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Oct 2024 16:15
Operator : YP\AJ
Sample : P4255-01MS
Misc :
ALS Vial : 14 Sample Multiplier: 1

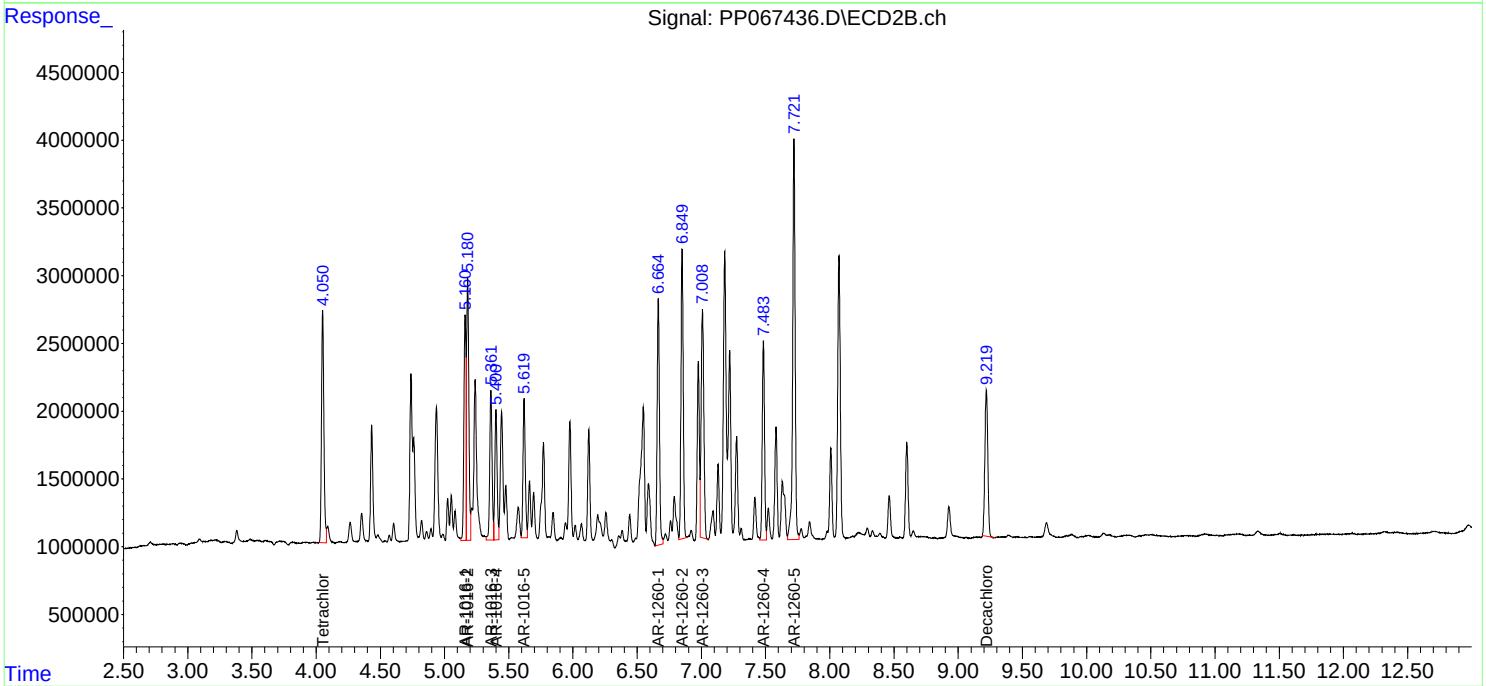
Instrument :
ECD_P
ClientSampleId :
OR-03-100124MS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/03/2024
Supervised By :Ankita Jodhani 10/03/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 03 00:16:15 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092624.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Sep 27 06:59:05 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm





Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100224\
Data File : PP067437.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Oct 2024 16:31
Operator : YP\AJ
Sample : P4255-01MSD
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
OR-03-100124MSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/03/2024
Supervised By :Ankita Jodhani 10/03/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 03 00:16:34 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092624.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Sep 27 06:59:05 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.751	4.051	23289983	22278353	17.328m	14.910
2)	SA Decachlor...	10.663	9.218	18958159	16880042	13.059	12.249
	Target Compounds						
3)	L1 AR-1016-1	5.915	5.160	17493866	18400339	366.904	356.742
4)	L1 AR-1016-2	5.938	5.180	25751169	23546799	371.902	331.159
5)	L1 AR-1016-3	6.002	5.361	17281262	14000058	386.864	351.780
6)	L1 AR-1016-4	6.099	5.400	14482653	11839319	403.020	342.880
7)	L1 AR-1016-5	6.394	5.618	13315965	13617729	361.359	317.355m
31)	L7 AR-1260-1	7.518	6.664	22448812	22527161	284.947	275.381
32)	L7 AR-1260-2	7.770	6.850	24999969	25440104	274.286	270.799
33)	L7 AR-1260-3	8.132	7.008	16586000	24645845	262.561	272.043
34)	L7 AR-1260-4	8.370	7.483	20712970	17473892	274.324	262.054
35)	L7 AR-1260-5	8.706	7.721	36921684	38879641	285.164	267.058

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

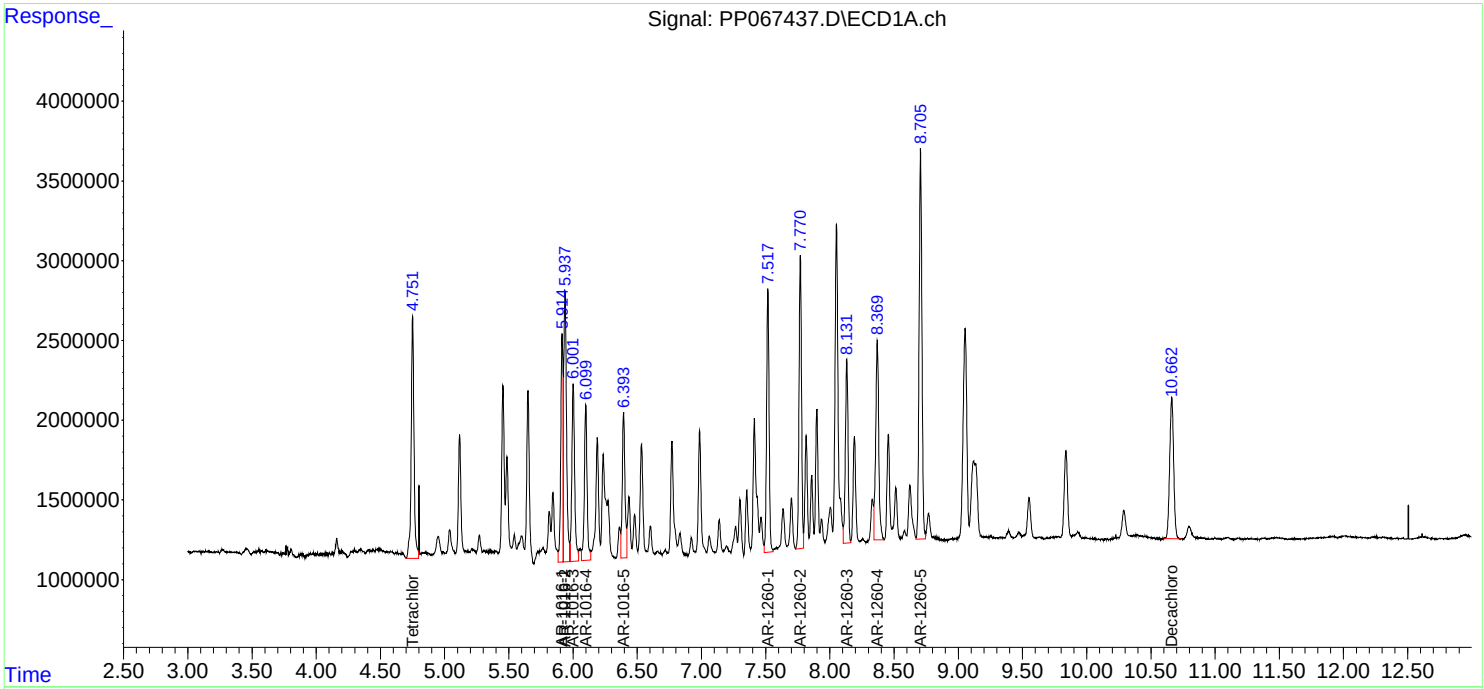
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100224\
Data File : PP067437.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Oct 2024 16:31
Operator : YP\AJ
Sample : P4255-01MSD
Misc :
ALS Vial : 15 Sample Multiplier: 1

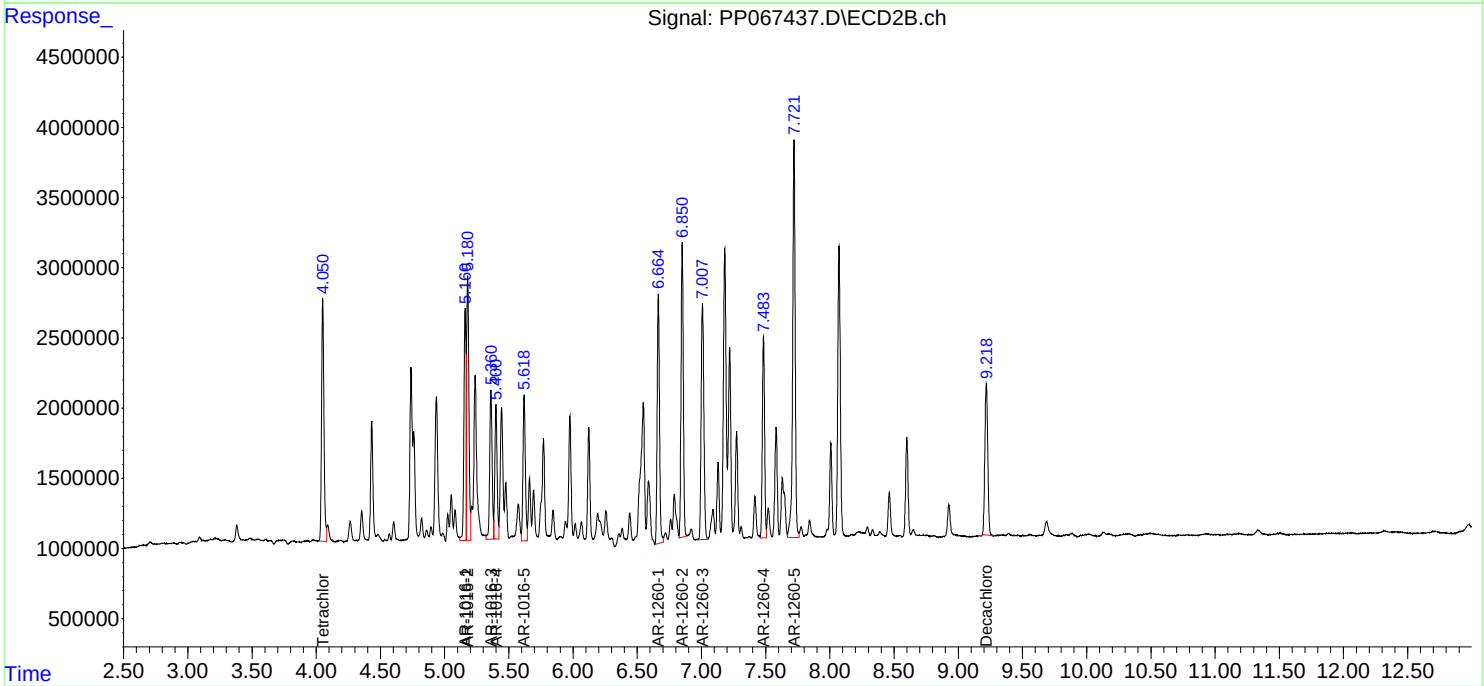
Instrument :
ECD_P
ClientSampleId :
OR-03-100124MSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/03/2024
Supervised By :Ankita Jodhani 10/03/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 03 00:16:34 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092624.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Sep 27 06:59:05 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm





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

Manual Integration Report

Sequence:	PP092624	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1254ICC1000	PP067269.D	AR-1254-1	yogesh	9/27/2024 8:40:53 AM	Ankita	9/27/2024 11:54:14	Peak Integrated by Software
AR1254ICC1000	PP067269.D	AR-1254-5	yogesh	9/27/2024 8:40:53 AM	Ankita	9/27/2024 11:54:14	Peak Integrated by Software
AR1254ICC750	PP067270.D	AR-1254-1	yogesh	9/27/2024 8:40:54 AM	Ankita	9/27/2024 11:54:15	Peak Integrated by Software
AR1254ICC750	PP067270.D	AR-1254-5	yogesh	9/27/2024 8:40:54 AM	Ankita	9/27/2024 11:54:15	Peak Integrated by Software
AR1254ICC500	PP067271.D	AR-1254-4 #2	yogesh	9/27/2024 8:40:55 AM	Ankita	9/27/2024 11:54:17	Peak Integrated by Software
AR1254ICC250	PP067272.D	AR-1254-1	yogesh	9/27/2024 8:40:57 AM	Ankita	9/27/2024 11:54:19	Peak Integrated by Software
AR1254ICC250	PP067272.D	AR-1254-5	yogesh	9/27/2024 8:40:57 AM	Ankita	9/27/2024 11:54:19	Peak Integrated by Software
AR1254ICC050	PP067273.D	AR-1254-1	yogesh	9/27/2024 8:40:58 AM	Ankita	9/27/2024 11:54:21	Peak Integrated by Software
AR1254ICC050	PP067273.D	AR-1254-5	yogesh	9/27/2024 8:40:58 AM	Ankita	9/27/2024 11:54:21	Peak Integrated by Software

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Manual Integration Report

Sequence:	PP100224	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1248CCC500	PP067428.D	Decachlorobiphenyl #2	yogesh	10/3/2024 8:41:04 AM	Ankita	10/3/2024 10:30:37	Peak Integrated by Software
AR1254CCC500	PP067429.D	Decachlorobiphenyl #2	yogesh	10/3/2024 8:41:07 AM	Ankita	10/3/2024 10:30:39	Peak Integrated by Software
I.BLK	PP067430.D	Decachlorobiphenyl #2	yogesh	10/3/2024 8:41:09 AM	Ankita	10/3/2024 10:30:41	Peak Integrated by Software
PB163832BL	PP067431.D	Decachlorobiphenyl	yogesh	10/3/2024 8:41:12 AM	Ankita	10/3/2024 10:30:43	Peak Integrated by Software
PB163832BS	PP067432.D	Decachlorobiphenyl #2	yogesh	10/9/2024 8:13:41 AM	Ankita	10/9/2024 9:19:45	Peak Integrated by Software
P4255-01MS	PP067436.D	AR-1016-5 #2	yogesh	10/3/2024 8:41:19 AM	Ankita	10/3/2024 10:30:49	Peak Integrated by Software
P4255-01MSD	PP067437.D	AR-1016-5 #2	yogesh	10/3/2024 8:41:21 AM	Ankita	10/3/2024 10:30:51	Peak Integrated by Software
P4255-01MSD	PP067437.D	Tetrachloro-m-xylene	yogesh	10/3/2024 8:41:21 AM	Ankita	10/3/2024 10:30:51	Peak Integrated by Software
AR1660CCC500	PP067441.D	Decachlorobiphenyl #2	yogesh	10/3/2024 8:41:28 AM	Ankita	10/3/2024 10:30:55	Peak Integrated by Software
AR1242CCC500	PP067442.D	Decachlorobiphenyl #2	yogesh	10/3/2024 8:41:31 AM	Ankita	10/3/2024 10:30:57	Peak Integrated by Software
AR1248CCC500	PP067443.D	Decachlorobiphenyl #2	yogesh	10/3/2024 8:41:33 AM	Ankita	10/3/2024 10:30:58	Peak Integrated by Software
AR1254CCC500	PP067444.D	AR-1254-1	yogesh	10/3/2024 8:41:35 AM	Ankita	10/3/2024 10:31:00	Peak Integrated by Software
AR1254CCC500	PP067444.D	AR-1254-1 #2	yogesh	10/3/2024 8:41:35 AM	Ankita	10/3/2024 10:31:00	Peak Integrated by Software

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

Manual Integration Report

Sequence:	PP100224	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1254CCC500	PP067444.D	AR-1254-2 #2	yogesh	10/3/2024 8:41:35 AM	Ankita	10/3/2024 10:31:00	Peak Integrated by Software
AR1254CCC500	PP067444.D	AR-1254-5	yogesh	10/3/2024 8:41:35 AM	Ankita	10/3/2024 10:31:00	Peak Integrated by Software
AR1254CCC500	PP067444.D	Decachlorobiphenyl #2	yogesh	10/3/2024 8:41:35 AM	Ankita	10/3/2024 10:31:00	Peak Integrated by Software
I.BLK	PP067445.D	Decachlorobiphenyl #2	yogesh	10/3/2024 8:41:36 AM	Ankita	10/3/2024 10:31:02	Peak Integrated by Software
P4258-03	PP067446.D	Decachlorobiphenyl #2	yogesh	10/3/2024 8:41:38 AM	Ankita	10/3/2024 10:31:03	Peak Integrated by Software
AR1660CCC500	PP067452.D	Decachlorobiphenyl #2	yogesh	10/3/2024 8:41:46 AM	Ankita	10/3/2024 10:31:09	Peak Integrated by Software
AR1242CCC500	PP067453.D	Decachlorobiphenyl #2	yogesh	10/3/2024 8:41:49 AM	Ankita	10/3/2024 10:31:11	Peak Integrated by Software
AR1248CCC500	PP067454.D	AR-1248-4 #2	yogesh	10/3/2024 8:41:51 AM	Ankita	10/3/2024 10:31:12	Peak Integrated by Software
AR1248CCC500	PP067454.D	Decachlorobiphenyl #2	yogesh	10/3/2024 8:41:51 AM	Ankita	10/3/2024 10:31:12	Peak Integrated by Software
AR1254CCC500	PP067455.D	AR-1254-1	yogesh	10/3/2024 8:41:53 AM	Ankita	10/3/2024 10:31:14	Peak Integrated by Software
AR1254CCC500	PP067455.D	AR-1254-1 #2	yogesh	10/3/2024 8:41:53 AM	Ankita	10/3/2024 10:31:14	Peak Integrated by Software
AR1254CCC500	PP067455.D	AR-1254-2	yogesh	10/3/2024 8:41:53 AM	Ankita	10/3/2024 10:31:14	Peak Integrated by Software
AR1254CCC500	PP067455.D	AR-1254-2 #2	yogesh	10/3/2024 8:41:53 AM	Ankita	10/3/2024 10:31:14	Peak Integrated by Software

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

Manual Integration Report

Sequence:	PP100224	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1254CCC500	PP067455.D	AR-1254-5	yogesh	10/3/2024 8:41:53 AM	Ankita	10/3/2024 10:31:14	Peak Integrated by Software
AR1254CCC500	PP067455.D	Decachlorobiphenyl #2	yogesh	10/3/2024 8:41:53 AM	Ankita	10/3/2024 10:31:14	Peak Integrated by Software

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

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP092624

Review By	yogesh	Review On	9/27/2024 8:41:10 AM		
Supervise By	Ankita	Supervise On	9/27/2024 11:54:34 AM		
SubDirectory	PP092624	HP Acquire Method		HP Processing Method	PP092624

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23216,PP23217,PP23218,PP23219,PP23220,PP23221,PP23222,PP23223,PP23224,PP23225,PP23226,PP23227,PP23228,PP23229,PP23230,PP23231,PP23232,PP23233,PP23234,PP23235,PP23236,PP23237,PP23238,PP23239,PP23240,PP23241,PP23242,PP23243,PP23244,PP23245,PP23246,PP23247,PP23248,PP23249,PP23250,PP23251,PP23252,PP23253,PP23254,PP23255
CCC	PP23218,PP23223,PP23228,PP23233,PP23238,PP23243,PP23248,PP23253
Internal Standard/PEM	
ICV/I.BLK	PP23259,PP23579,PP23263,PP23265,PP23267,PP23269,PP23271,PP23273
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PP067250.D	26 Sep 2024 16:03	YP\AJ	Ok
2	I.BLK	PP067251.D	26 Sep 2024 16:19	YP\AJ	Ok
3	AR1660ICC1000	PP067252.D	26 Sep 2024 16:35	YP\AJ	Ok
4	AR1660ICC750	PP067253.D	26 Sep 2024 16:51	YP\AJ	Ok
5	AR1660ICC500	PP067254.D	26 Sep 2024 17:08	YP\AJ	Ok
6	AR1660ICC250	PP067255.D	26 Sep 2024 17:24	YP\AJ	Ok
7	AR1660ICC050	PP067256.D	26 Sep 2024 17:40	YP\AJ	Ok
8	AR1221ICC500	PP067257.D	26 Sep 2024 17:56	YP\AJ	Ok
9	AR1232ICC500	PP067258.D	26 Sep 2024 18:12	YP\AJ	Ok
10	AR1242ICC1000	PP067259.D	26 Sep 2024 18:28	YP\AJ	Ok
11	AR1242ICC750	PP067260.D	26 Sep 2024 18:45	YP\AJ	Ok
12	AR1242ICC500	PP067261.D	26 Sep 2024 19:01	YP\AJ	Ok
13	AR1242ICC250	PP067262.D	26 Sep 2024 19:17	YP\AJ	Ok
14	AR1242ICC050	PP067263.D	26 Sep 2024 19:33	YP\AJ	Ok
15	AR1248ICC1000	PP067264.D	26 Sep 2024 19:49	YP\AJ	Ok
16	AR1248ICC750	PP067265.D	26 Sep 2024 20:05	YP\AJ	Ok
17	AR1248ICC500	PP067266.D	26 Sep 2024 20:21	YP\AJ	Ok
18	AR1248ICC250	PP067267.D	26 Sep 2024 20:38	YP\AJ	Ok
19	AR1248ICC050	PP067268.D	26 Sep 2024 20:54	YP\AJ	Ok
20	AR1254ICC1000	PP067269.D	26 Sep 2024 21:10	YP\AJ	Ok,M
21	AR1254ICC750	PP067270.D	26 Sep 2024 21:26	YP\AJ	Ok,M

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

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP092624

Review By	yogesh	Review On	9/27/2024 8:41:10 AM		
Supervise By	Ankita	Supervise On	9/27/2024 11:54:34 AM		
SubDirectory	PP092624	HP Acquire Method		HP Processing Method	PP092624

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23216,PP23217,PP23218,PP23219,PP23220,PP23221,PP23222,PP23223,PP23224,PP23225,PP23226,PP23227,PP23228,PP23229,PP23230 ,PP23231,PP23232,PP23233,PP23234,PP23235,PP23236,PP23237,PP23238,PP23239,PP23240,PP23241,PP23242,PP23243,PP23244,PP2324 5,PP23246,PP23247,PP23248,PP23249,PP23250,PP23251,PP23252,PP23253,PP23254,PP23255
CCC	PP23218,PP23223,PP23228,PP23233,PP23238,PP23243,PP23248,PP23253
Internal Standard/PEM	
ICV/I.BLK	PP23259,PP23579,PP23263,PP23265,PP23267,PP23269,PP23271,PP23273
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	AR1254ICC500	PP067271.D	26 Sep 2024 21:42	YP\AJ	Ok,M
23	AR1254ICC250	PP067272.D	26 Sep 2024 21:58	YP\AJ	Ok,M
24	AR1254ICC050	PP067273.D	26 Sep 2024 22:14	YP\AJ	Ok,M
25	AR1262ICC500	PP067274.D	26 Sep 2024 22:30	YP\AJ	Ok
26	AR1268ICC1000	PP067275.D	26 Sep 2024 22:47	YP\AJ	Ok
27	AR1268ICC750	PP067276.D	26 Sep 2024 23:03	YP\AJ	Ok
28	AR1268ICC500	PP067277.D	26 Sep 2024 23:19	YP\AJ	Ok
29	AR1268ICC250	PP067278.D	26 Sep 2024 23:35	YP\AJ	Ok
30	AR1268ICC050	PP067279.D	26 Sep 2024 23:51	YP\AJ	Ok
31	PP092624ICV500	PP067280.D	27 Sep 2024 00:07	YP\AJ	Ok
32	AR1242ICV500	PP067281.D	27 Sep 2024 00:23	YP\AJ	Ok
33	AR1248ICV500	PP067282.D	27 Sep 2024 00:39	YP\AJ	Ok
34	AR1254ICV500	PP067283.D	27 Sep 2024 00:56	YP\AJ	Ok
35	AR1268ICV500	PP067284.D	27 Sep 2024 01:12	YP\AJ	Ok

M : Manual Integration

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

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP100224

Review By	yogesh	Review On	10/3/2024 8:42:13 AM		
Supervise By	Ankita	Supervise On	10/3/2024 10:31:34 AM		
SubDirectory	PP100224	HP Acquire Method		HP Processing Method	PP092624

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23216,PP23217,PP23218,PP23219,PP23220,PP23221,PP23222,PP23223,PP23224,PP23225,PP23226,PP23227,PP23228,PP23229,PP23230 ,PP23231,PP23232,PP23233,PP23234,PP23235,PP23236,PP23237,PP23238,PP23239,PP23240,PP23241,PP23242,PP23243,PP23244,PP2324 5,PP23246,PP23247,PP23248,PP23249,PP23250,PP23251,PP23252,PP23253,PP23254,PP23255
CCC	PP23218,PP23223,PP23228,PP23233,PP23238,PP23243,PP23248,PP23253
Internal Standard/PEM	
ICV/I.BLK	PP23259,PP23579,PP23263,PP23265,PP23267,PP23269,PP23271,PP23273
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PP067421.D	02 Oct 2024 08:48	YP\AJ	Ok
2	AR1660CCC500	PP067422.D	02 Oct 2024 09:04	YP\AJ	Ok
3	I.BLK	PP067423.D	02 Oct 2024 09:23	YP\AJ	Ok
4	P4249-02DL	PP067424.D	02 Oct 2024 09:39	YP\AJ	Ok
5	P4249-03DL	PP067425.D	02 Oct 2024 09:55	YP\AJ	Ok
6	AR1660CCC500	PP067426.D	02 Oct 2024 13:34	YP\AJ	Ok
7	AR1242CCC500	PP067427.D	02 Oct 2024 13:50	YP\AJ	Ok
8	AR1248CCC500	PP067428.D	02 Oct 2024 14:06	YP\AJ	Ok,M
9	AR1254CCC500	PP067429.D	02 Oct 2024 14:22	YP\AJ	Ok,M
10	I.BLK	PP067430.D	02 Oct 2024 14:38	YP\AJ	Ok,M
11	PB163832BL	PP067431.D	02 Oct 2024 14:54	YP\AJ	Ok,M
12	PB163832BS	PP067432.D	02 Oct 2024 15:11	YP\AJ	Ok,M
13	P4242-01	PP067433.D	02 Oct 2024 15:27	YP\AJ	Ok
14	P4254-01	PP067434.D	02 Oct 2024 15:43	YP\AJ	Not Ok
15	P4255-01	PP067435.D	02 Oct 2024 15:59	YP\AJ	Ok,M
16	P4255-01MS	PP067436.D	02 Oct 2024 16:15	YP\AJ	Ok,M
17	P4255-01MSD	PP067437.D	02 Oct 2024 16:31	YP\AJ	Ok,M
18	P4256-01	PP067438.D	02 Oct 2024 16:47	YP\AJ	Ok
19	P4256-02	PP067439.D	02 Oct 2024 17:03	YP\AJ	Ok,M
20	P4257-01	PP067440.D	02 Oct 2024 17:19	YP\AJ	Ok,M
21	AR1660CCC500	PP067441.D	02 Oct 2024 20:39	YP\AJ	Ok,M

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Fax : 908 789 8922

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP100224

Review By	yogesh	Review On	10/3/2024 8:42:13 AM		
Supervise By	Ankita	Supervise On	10/3/2024 10:31:34 AM		
SubDirectory	PP100224	HP Acquire Method		HP Processing Method	PP092624

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23216,PP23217,PP23218,PP23219,PP23220,PP23221,PP23222,PP23223,PP23224,PP23225,PP23226,PP23227,PP23228,PP23229,PP23230 ,PP23231,PP23232,PP23233,PP23234,PP23235,PP23236,PP23237,PP23238,PP23239,PP23240,PP23241,PP23242,PP23243,PP23244,PP2324 5,PP23246,PP23247,PP23248,PP23249,PP23250,PP23251,PP23252,PP23253,PP23254,PP23255
CCC	PP23218,PP23223,PP23228,PP23233,PP23238,PP23243,PP23248,PP23253
Internal Standard/PEM	
ICV/I.BLK	PP23259,PP23579,PP23263,PP23265,PP23267,PP23269,PP23271,PP23273
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	AR1242CCC500	PP067442.D	02 Oct 2024 21:12	YP\AJ	Ok,M
23	AR1248CCC500	PP067443.D	02 Oct 2024 22:27	YP\AJ	Ok,M
24	AR1254CCC500	PP067444.D	02 Oct 2024 22:43	YP\AJ	Ok,M
25	I.BLK	PP067445.D	02 Oct 2024 22:59	YP\AJ	Ok,M
26	P4258-03	PP067446.D	02 Oct 2024 23:15	YP\AJ	Ok,M
27	PB163840BL	PP067447.D	02 Oct 2024 23:31	YP\AJ	Ok,M
28	PB163840BS	PP067448.D	02 Oct 2024 23:47	YP\AJ	Ok
29	PB163840BSD	PP067449.D	03 Oct 2024 00:03	YP\AJ	Ok,M
30	P4235-02	PP067450.D	03 Oct 2024 00:19	YP\AJ	Ok,M
31	P4254-05	PP067451.D	03 Oct 2024 00:35	YP\AJ	Ok
32	AR1660CCC500	PP067452.D	03 Oct 2024 02:06	YP\AJ	Ok,M
33	AR1242CCC500	PP067453.D	03 Oct 2024 02:22	YP\AJ	Ok,M
34	AR1248CCC500	PP067454.D	03 Oct 2024 02:38	YP\AJ	Ok,M
35	AR1254CCC500	PP067455.D	03 Oct 2024 02:54	YP\AJ	Ok,M
36	I.BLK	PP067456.D	03 Oct 2024 03:10	YP\AJ	Ok

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP092624

Review By	yogesh	Review On	9/27/2024 8:41:10 AM		
Supervise By	Ankita	Supervise On	9/27/2024 11:54:34 AM		
SubDirectory	PP092624	HP Acquire Method		HP Processing Method	PP092624

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23216,PP23217,PP23218,PP23219,PP23220,PP23221,PP23222,PP23223,PP23224,PP23225,PP23226,PP23227,PP23228,PP23229,PP23230,PP23231,PP23232,PP23233,PP23234,PP23235,PP23236,PP23237,PP23238,PP23239,PP23240,PP23241,PP23242,PP23243,PP23244,PP23245,PP23246,PP23247,PP23248,PP23249,PP23250,PP23251,PP23252,PP23253,PP23254,PP23255
CCC	PP23218,PP23223,PP23228,PP23233,PP23238,PP23243,PP23248,PP23253
Internal Standard/PEM	
ICV/I.BLK	PP23259,PP23579,PP23263,PP23265,PP23267,PP23269,PP23271,PP23273
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PP067250.D	26 Sep 2024 16:03		YP\AJ	Ok
2	I.BLK	I.BLK	PP067251.D	26 Sep 2024 16:19		YP\AJ	Ok
3	AR1660ICC1000	AR1660ICC1000	PP067252.D	26 Sep 2024 16:35		YP\AJ	Ok
4	AR1660ICC750	AR1660ICC750	PP067253.D	26 Sep 2024 16:51		YP\AJ	Ok
5	AR1660ICC500	AR1660ICC500	PP067254.D	26 Sep 2024 17:08		YP\AJ	Ok
6	AR1660ICC250	AR1660ICC250	PP067255.D	26 Sep 2024 17:24		YP\AJ	Ok
7	AR1660ICC050	AR1660ICC050	PP067256.D	26 Sep 2024 17:40		YP\AJ	Ok
8	AR1221ICC500	AR1221ICC500	PP067257.D	26 Sep 2024 17:56		YP\AJ	Ok
9	AR1232ICC500	AR1232ICC500	PP067258.D	26 Sep 2024 18:12		YP\AJ	Ok
10	AR1242ICC1000	AR1242ICC1000	PP067259.D	26 Sep 2024 18:28		YP\AJ	Ok
11	AR1242ICC750	AR1242ICC750	PP067260.D	26 Sep 2024 18:45		YP\AJ	Ok
12	AR1242ICC500	AR1242ICC500	PP067261.D	26 Sep 2024 19:01		YP\AJ	Ok
13	AR1242ICC250	AR1242ICC250	PP067262.D	26 Sep 2024 19:17		YP\AJ	Ok
14	AR1242ICC050	AR1242ICC050	PP067263.D	26 Sep 2024 19:33		YP\AJ	Ok
15	AR1248ICC1000	AR1248ICC1000	PP067264.D	26 Sep 2024 19:49		YP\AJ	Ok
16	AR1248ICC750	AR1248ICC750	PP067265.D	26 Sep 2024 20:05		YP\AJ	Ok
17	AR1248ICC500	AR1248ICC500	PP067266.D	26 Sep 2024 20:21		YP\AJ	Ok
18	AR1248ICC250	AR1248ICC250	PP067267.D	26 Sep 2024 20:38		YP\AJ	Ok

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP092624

Review By	yogesh	Review On	9/27/2024 8:41:10 AM		
Supervise By	Ankita	Supervise On	9/27/2024 11:54:34 AM		
SubDirectory	PP092624	HP Acquire Method		HP Processing Method	PP092624

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23216,PP23217,PP23218,PP23219,PP23220,PP23221,PP23222,PP23223,PP23224,PP23225,PP23226,PP23227,PP23228,PP23229,PP23230,PP23231,PP23232,PP23233,PP23234,PP23235,PP23236,PP23237,PP23238,PP23239,PP23240,PP23241,PP23242,PP23243,PP23244,PP23245,PP23246,PP23247,PP23248,PP23249,PP23250,PP23251,PP23252,PP23253,PP23254,PP23255
CCC	PP23218,PP23223,PP23228,PP23233,PP23238,PP23243,PP23248,PP23253
Internal Standard/PEM	
ICV/I.BLK	PP23259,PP23579,PP23263,PP23265,PP23267,PP23269,PP23271,PP23273
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	AR1248ICC050	AR1248ICC050	PP067268.D	26 Sep 2024 20:54		YP\AJ	Ok
20	AR1254ICC1000	AR1254ICC1000	PP067269.D	26 Sep 2024 21:10		YP\AJ	Ok,M
21	AR1254ICC750	AR1254ICC750	PP067270.D	26 Sep 2024 21:26		YP\AJ	Ok,M
22	AR1254ICC500	AR1254ICC500	PP067271.D	26 Sep 2024 21:42		YP\AJ	Ok,M
23	AR1254ICC250	AR1254ICC250	PP067272.D	26 Sep 2024 21:58		YP\AJ	Ok,M
24	AR1254ICC050	AR1254ICC050	PP067273.D	26 Sep 2024 22:14		YP\AJ	Ok,M
25	AR1262ICC500	AR1262ICC500	PP067274.D	26 Sep 2024 22:30		YP\AJ	Ok
26	AR1268ICC1000	AR1268ICC1000	PP067275.D	26 Sep 2024 22:47		YP\AJ	Ok
27	AR1268ICC750	AR1268ICC750	PP067276.D	26 Sep 2024 23:03		YP\AJ	Ok
28	AR1268ICC500	AR1268ICC500	PP067277.D	26 Sep 2024 23:19		YP\AJ	Ok
29	AR1268ICC250	AR1268ICC250	PP067278.D	26 Sep 2024 23:35		YP\AJ	Ok
30	AR1268ICC050	AR1268ICC050	PP067279.D	26 Sep 2024 23:51		YP\AJ	Ok
31	PP092624ICV500	ICVPP092624	PP067280.D	27 Sep 2024 00:07		YP\AJ	Ok
32	AR1242ICV500	ICVPP092624AR1242	PP067281.D	27 Sep 2024 00:23		YP\AJ	Ok
33	AR1248ICV500	ICVPP092624AR1248	PP067282.D	27 Sep 2024 00:39		YP\AJ	Ok
34	AR1254ICV500	ICVPP092624AR1254	PP067283.D	27 Sep 2024 00:56		YP\AJ	Ok
35	AR1268ICV500	ICVPP092624AR1268	PP067284.D	27 Sep 2024 01:12		YP\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP100224

Review By	yogesh	Review On	10/3/2024 8:42:13 AM		
Supervise By	Ankita	Supervise On	10/3/2024 10:31:34 AM		
SubDirectory	PP100224	HP Acquire Method		HP Processing Method	PP092624

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23216,PP23217,PP23218,PP23219,PP23220,PP23221,PP23222,PP23223,PP23224,PP23225,PP23226,PP23227,PP23228,PP23229,PP23230,PP23231,PP23232,PP23233,PP23234,PP23235,PP23236,PP23237,PP23238,PP23239,PP23240,PP23241,PP23242,PP23243,PP23244,PP23245,PP23246,PP23247,PP23248,PP23249,PP23250,PP23251,PP23252,PP23253,PP23254,PP23255
CCC	PP23218,PP23223,PP23228,PP23233,PP23238,PP23243,PP23248,PP23253
Internal Standard/PEM	
ICV/I.BLK	PP23259,PP23579,PP23263,PP23265,PP23267,PP23269,PP23271,PP23273
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PP067421.D	02 Oct 2024 08:48		YP\AJ	Ok
2	AR1660CCC500	AR1660CCC500	PP067422.D	02 Oct 2024 09:04		YP\AJ	Ok
3	I.BLK	I.BLK	PP067423.D	02 Oct 2024 09:23		YP\AJ	Ok
4	P4249-02DL	RV-26(2-2.5)DL	PP067424.D	02 Oct 2024 09:39	AR1260 Hit	YP\AJ	Ok
5	P4249-03DL	RV-27(2-2.5)DL	PP067425.D	02 Oct 2024 09:55	AR1260 Hit	YP\AJ	Ok
6	AR1660CCC500	AR1660CCC500	PP067426.D	02 Oct 2024 13:34		YP\AJ	Ok
7	AR1242CCC500	AR1242CCC500	PP067427.D	02 Oct 2024 13:50		YP\AJ	Ok
8	AR1248CCC500	AR1248CCC500	PP067428.D	02 Oct 2024 14:06		YP\AJ	Ok,M
9	AR1254CCC500	AR1254CCC500	PP067429.D	02 Oct 2024 14:22		YP\AJ	Ok,M
10	I.BLK	I.BLK	PP067430.D	02 Oct 2024 14:38		YP\AJ	Ok,M
11	PB163832BL	PB163832BL	PP067431.D	02 Oct 2024 14:54		YP\AJ	Ok,M
12	PB163832BS	PB163832BS	PP067432.D	02 Oct 2024 15:11		YP\AJ	Ok,M
13	P4242-01	TP-Q	PP067433.D	02 Oct 2024 15:27		YP\AJ	Ok
14	P4254-01	MH-147-SLUDGE	PP067434.D	02 Oct 2024 15:43	DCB fail in both column, TCMX low in 2nd column	YP\AJ	Not Ok
15	P4255-01	OR-03-100124	PP067435.D	02 Oct 2024 15:59		YP\AJ	Ok,M
16	P4255-01MS	OR-03-100124MS	PP067436.D	02 Oct 2024 16:15		YP\AJ	Ok,M
17	P4255-01MSD	OR-03-100124MSD	PP067437.D	02 Oct 2024 16:31		YP\AJ	Ok,M

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP100224

Review By	yogesh	Review On	10/3/2024 8:42:13 AM		
Supervise By	Ankita	Supervise On	10/3/2024 10:31:34 AM		
SubDirectory	PP100224	HP Acquire Method		HP Processing Method	PP092624

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23216,PP23217,PP23218,PP23219,PP23220,PP23221,PP23222,PP23223,PP23224,PP23225,PP23226,PP23227,PP23228,PP23229,PP23230,PP23231,PP23232,PP23233,PP23234,PP23235,PP23236,PP23237,PP23238,PP23239,PP23240,PP23241,PP23242,PP23243,PP23244,PP23245,PP23246,PP23247,PP23248,PP23249,PP23250,PP23251,PP23252,PP23253,PP23254,PP23255
CCC	PP23218,PP23223,PP23228,PP23233,PP23238,PP23243,PP23248,PP23253
Internal Standard/PEM	
ICV/I.BLK	PP23259,PP23579,PP23263,PP23265,PP23267,PP23269,PP23271,PP23273
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	P4256-01	585	PP067438.D	02 Oct 2024 16:47		YP\AJ	Ok
19	P4256-02	31480	PP067439.D	02 Oct 2024 17:03		YP\AJ	Ok,M
20	P4257-01	VNJ-240	PP067440.D	02 Oct 2024 17:19		YP\AJ	Ok,M
21	AR1660CCC500	AR1660CCC500	PP067441.D	02 Oct 2024 20:39	AR1016 2&3 peak low in 1st column	YP\AJ	Ok,M
22	AR1242CCC500	AR1242CCC500	PP067442.D	02 Oct 2024 21:12		YP\AJ	Ok,M
23	AR1248CCC500	AR1248CCC500	PP067443.D	02 Oct 2024 22:27		YP\AJ	Ok,M
24	AR1254CCC500	AR1254CCC500	PP067444.D	02 Oct 2024 22:43		YP\AJ	Ok,M
25	I.BLK	I.BLK	PP067445.D	02 Oct 2024 22:59		YP\AJ	Ok,M
26	P4258-03	Chamberlain Ave	PP067446.D	02 Oct 2024 23:15		YP\AJ	Ok,M
27	PB163840BL	PB163840BL	PP067447.D	02 Oct 2024 23:31		YP\AJ	Ok,M
28	PB163840BS	PB163840BS	PP067448.D	02 Oct 2024 23:47		YP\AJ	Ok
29	PB163840BSD	PB163840BSD	PP067449.D	03 Oct 2024 00:03		YP\AJ	Ok,M
30	P4235-02	A1403	PP067450.D	03 Oct 2024 00:19		YP\AJ	Ok,M
31	P4254-05	MH-147	PP067451.D	03 Oct 2024 00:35		YP\AJ	Ok
32	AR1660CCC500	AR1660CCC500	PP067452.D	03 Oct 2024 02:06		YP\AJ	Ok,M
33	AR1242CCC500	AR1242CCC500	PP067453.D	03 Oct 2024 02:22		YP\AJ	Ok,M
34	AR1248CCC500	AR1248CCC500	PP067454.D	03 Oct 2024 02:38		YP\AJ	Ok,M
35	AR1254CCC500	AR1254CCC500	PP067455.D	03 Oct 2024 02:54		YP\AJ	Ok,M
36	I.BLK	I.BLK	PP067456.D	03 Oct 2024 03:10		YP\AJ	Ok

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP100224

Review By	yogesh	Review On	10/3/2024 8:42:13 AM		
Supervise By	Ankita	Supervise On	10/3/2024 10:31:34 AM		
SubDirectory	PP100224	HP Acquire Method		HP Processing Method	PP092624

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23216,PP23217,PP23218,PP23219,PP23220,PP23221,PP23222,PP23223,PP23224,PP23225,PP23226,PP23227,PP23228,PP23229,PP23230,PP23231,PP23232,PP23233,PP23234,PP23235,PP23236,PP23237,PP23238,PP23239,PP23240,PP23241,PP23242,PP23243,PP23244,PP23245,PP23246,PP23247,PP23248,PP23249,PP23250,PP23251,PP23252,PP23253,PP23254,PP23255
CCC	PP23218,PP23223,PP23228,PP23233,PP23238,PP23243,PP23248,PP23253
Internal Standard/PEM	
ICV/I.BLK	PP23259,PP23579,PP23263,PP23265,PP23267,PP23269,PP23271,PP23273
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

M : Manual Integration

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EXTRACTION LOGPAGE

PB163832

SOP ID:	M3541-ASE Extraction-14				
Clean Up SOP #:	Acid Cleanup			**Extraction Start Date :**	10/02/2024
Matrix :	Solid			**Extraction Start Time :**	08:30
Weigh By:	EH	**Extraction By:**	RJ	**Extraction End Date :**	10/02/2024
Balance check:	RJ	**Filter By:**	RJ	**Extraction End Time :**	11:30
Balance ID:	EX-SC-2	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	N/A	**Hood ID:**	3,7	**Supervisor By :**	rajesh

Extraction Method: ☐ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☑ Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	5000 PPB	PP23640
Surrogate	1.0ML	200 PPB	PP23641
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Hexane/Acetone/1:1	N/A	EP2539
Baked Na2SO4	N/A	EP2541
Sand	N/A	E2865
Hexane	N/A	E3805
H2SO4 1:1	N/A	EP2524
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40 Vial lot# 03-40 BTS721, P4256-01,02 Limited volume used as samples are Oily Debries.

KD Bath ID:	N/A	**Envap ID:**	NEVAP-02
KD Bath Temperature:	N/A	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/2/24	RP/Ext. Lab	AJ/GST PRA Lab
11:35	**Preparation Group**	**Analysis Group**

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EXTRACTION LOGPAGE

PrepBatch ID : PB163832

Analytical Method: M3541-ASE Extraction-14 **Concentration Date:** 10/02/2024

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB163832BL	ABLK832	PCB	30.02	N/A	ritesh	Evelyn	10			U1-1
PB163832BS	ALCS832	PCB	30.03	N/A	ritesh	Evelyn	10			2
P4242-01	TP-Q	PCB	30.04	N/A	ritesh	Evelyn	10	B		3
P4254-01	MH-147-SLUDGE	PCB	30.07	N/A	ritesh	Evelyn	10	B	Sludge	4
P4255-01	OR-03-100124	PCB	30.02	N/A	ritesh	Evelyn	10	E		5
P4255-01MS	OR-03-100124MS	PCB	30.06	N/A	ritesh	Evelyn	10	E		6
P4255-01MSD	OR-03-100124MSD	PCB	30.01	N/A	ritesh	Evelyn	10	E		U5-1
P4256-01	585	PCB	5.04	N/A	ritesh	Evelyn	10	B	Oily Debris+Small Particles	2
P4256-02	31480	PCB	5.03	N/A	ritesh	Evelyn	10	B	Oily Debris	3
P4257-01	VNJ-240	PCB	30.06	N/A	ritesh	Evelyn	10	B		4
P4258-03	CHAMBERLAIN AVE	PCB	30.05	N/A	ritesh	Evelyn	10	B		5

* **Extracts relinquished on the same date as received.**

10/2/24

1638 8:30

WORKLIST(Hardcopy Internal Chain)

WorkList Name : P4242 **WorkList ID :** 184020 **Department :** Extraction **Date :** 10-02-2024 08:20:14

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4242-01	TP-Q	Solid	PCB	Cool 4 deg C	PSEG03	J51	10/01/2024	8082A
P4254-01	MH-147-SLUDGE	Solid	PCB	Cool 4 deg C	PSEG03	J51	10/01/2024	8082A
P4255-01	OR-03-100124	Solid	PCB	Cool 4 deg C	PSEG05	J51	10/01/2024	8082A
P4256-01	585	Solid	PCB	Cool 4 deg C	PSEG03	J51	10/01/2024	8082A
P4256-02	31480	Solid	PCB	Cool 4 deg C	PSEG03	J51	10/01/2024	8082A
P4257-01	VNJ-240	Solid	PCB	Cool 4 deg C	PSEG03	J51	10/01/2024	8082A
P4258-03	Chamberlain Ave	Solid	PCB	Cool 4 deg C	ROMA02	H51	10/01/2024	8082A

Date/Time 10/2/24 8:25
Raw Sample Received by: RJ (Ext lot)
Raw Sample Relinquished by: JD CSM)

Date/Time 10/2/24 8:55
Raw Sample Received by: JD CSM)
Raw Sample Relinquished by: RJ (Ext lot)

P4258

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LAB CHRONICLE

OrderID:	P4258	**OrderDate:**	10/1/2024 1:21:00 PM
Client:	Roman E&G Corp	**Project:**	Perth Amboy
Contact:	Mark Mattheiss	**Location:**	H11,H51

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4258-03	**Chamberlain Ave**	**SOIL**			**10/01/24**			**10/01/24**
			PCB	8082A		10/02/24	10/02/24	
P4258-04	**Chamberlain Ave**	**TCLP**			**10/01/24**			**10/01/24**
			TCLP Herbicide	8151A		10/03/24	10/04/24	
			TCLP Pesticide	8081B		10/03/24	10/03/24	

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Hit Summary Sheet
SW-846

SDG No.: P4258 **Order ID:** P4258

Client: Roman E&G Corp **Project ID:** Perth Amboy

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units

Client ID :

Total Concentration: 0.000

SAMPLE DATA

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	Roman E&G Corp	Date Collected:	10/01/24
Project:	Perth Amboy	Date Received:	10/01/24
Client Sample ID:	Chamberlain Ave	SDG No.:	P4258
Lab Sample ID:	P4258-03	Matrix:	SOIL
Analytical Method:	SW8151A	% Solid:	86 Decanted:
Sample Wt/Vol:	30.04 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS027908.D	1	10/11/24 08:31	10/11/24 18:27	PB164060

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	10.1	U	10.1	77.8	ug/Kg
120-36-5	DICHLORPROP	11.1	U	11.1	77.8	ug/Kg
94-75-7	2,4-D	14.1	U	14.1	77.8	ug/Kg
93-72-1	2,4,5-TP (Silvex)	10.9	U	10.9	77.8	ug/Kg
93-76-5	2,4,5-T	11.7	U	11.7	77.8	ug/Kg
94-82-6	2,4-DB	21.3	U	21.3	77.8	ug/Kg
88-85-7	DINOSEB	14.4	U	14.4	77.8	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	257		10 - 141	51%	SPK: 500

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

QC SUMMARY

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Surrogate Summary

SDG No.: P4258

Client: Roman E&G Corp

Analytical Method: 8151A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PS027854.D	PIBLK-PS027854.D	2,4-DCAA	1	500	510	102		39	175
		2,4-DCAA	2	500	479	96		39	175
I.BLK-PS027904.D	PIBLK-PS027904.D	2,4-DCAA	1	500	520	104		39	175
		2,4-DCAA	2	500	485	97		39	175
PB164060BL	PB164060BL	2,4-DCAA	1	500	487	97		10	141
		2,4-DCAA	2	500	436	87		10	141
PB164060BS	PB164060BS	2,4-DCAA	1	500	590	118		10	141
		2,4-DCAA	2	500	532	106		10	141
P4258-03	Chamberlain Ave	2,4-DCAA	1	500	257	51		10	141
		2,4-DCAA	2	500	190	38		10	141
P4385-02MS	SP-1MS	2,4-DCAA	1	500	490	98		10	141
		2,4-DCAA	2	500	361	72		10	141
P4385-02MSD	SP-1MSD	2,4-DCAA	1	500	511	102		10	141
		2,4-DCAA	2	500	371	74		10	141
I.BLK-PS027915.D	PIBLK-PS027915.D	2,4-DCAA	1	500	518	104		39	175
		2,4-DCAA	2	500	484	97		39	175

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4258

Client: Roman E&G Corp

Analytical Method: 8151A **DataFile :** PS027910.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Client Sample ID:	**SP-1MS**											
P4385-02MS	DICAMBA	178	0	94.8	ug/Kg	53				10	112	
	DICHLORPROP	178	0	80.0	ug/Kg	45				10	113	
	2,4-D	178	0	102	ug/Kg	57				10	144	
	2,4,5-TP(Silvex)	178	0	56.7	ug/Kg	32				10	114	
	2,4,5-T	178	0	72.3	ug/Kg	41				10	115	
	2,4-DB	178	0	88.2	ug/Kg	50				10	140	
	Dinoseb	178	0	0	ug/Kg	0	*			10	118	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4258

Client: Roman E&G Corp

Analytical Method: 8151A **DataFile :** PS027911.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Client Sample ID:	**SP-1MSD**											
P4385-02MSD	DICAMBA	178.1	0	96.3	ug/Kg	54		2		10	112	20
	DICHLORPROP	178.1	0	81.1	ug/Kg	46		2		10	113	20
	2,4-D	178.1	0	101	ug/Kg	57		0		10	144	20
	2,4,5-TP(Silvex)	178.1	0	55.6	ug/Kg	31		3		10	114	20
	2,4,5-T	178.1	0	71.4	ug/Kg	40		2		10	115	20
	2,4-DB	178.1	0	55.3	ug/Kg	31		47	*	10	140	20
	Dinoseb	178.1	0	0	ug/Kg	0	*	0		10	118	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4258

Client: Roman E&G Corp

Analytical Method: 8151A **Datafile :** PS027907.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB164060BS	DICAMBA	166.6	160	ug/Kg	96				72	129	
	DICHLORPROP	166.6	170	ug/Kg	102				77	135	
	2,4-D	166.6	197	ug/Kg	118				65	144	
	2,4,5-TP(Silvex)	166.6	176	ug/Kg	106				74	146	
	2,4,5-T	166.6	164	ug/Kg	98				77	134	
	2,4-DB	166.6	186	ug/Kg	112				72	122	
	Dinoseb	166.6	162	ug/Kg	97				74	132	

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4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164060BL

Lab Name: CHEMTECH Contract: ROMA02

Lab Code: CHEM Case No.: P4258 SAS No.: P4258 SDG NO.: P4258

Lab Sample ID: PB164060BL Lab File ID: PS027906.D

Matrix: (soil/water) Solid Extraction: (Type)

Sulfur Cleanup: (Y/N) N Date Extracted: 10/11/2024

Date Analyzed (1): 10/11/2024 Date Analyzed (2): 10/11/2024

Time Analyzed (1): 17:39 Time Analyzed (2): 17:39

Instrument ID (1): ECD_S Instrument ID (2): ECD_S

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLP2 ID: 0.32 (mm)

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
PB164060BS	PB164060BS	PS027907.D	10/11/2024	10/11/2024
Chamberlain Ave	P4258-03	PS027908.D	10/11/2024	10/11/2024
SP-1MS	P4385-02MS	PS027910.D	10/11/2024	10/11/2024
SP-1MSD	P4385-02MSD	PS027911.D	10/11/2024	10/11/2024

COMMENTS:

QC SAMPLE DATA

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Roman E&G Corp	Date Collected:	
Project:	Perth Amboy	Date Received:	
Client Sample ID:	PB164060BL	SDG No.:	P4258
Lab Sample ID:	PB164060BL	Matrix:	SOIL
Analytical Method:	SW8151A	% Solid:	100 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS027906.D	1	10/11/24 08:31	10/11/24 17:39	PB164060

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	8.70	U	8.70	67.0	ug/Kg
120-36-5	DICHLORPROP	9.50	U	9.50	67.0	ug/Kg
94-75-7	2,4-D	12.1	U	12.1	67.0	ug/Kg
93-72-1	2,4,5-TP (Silvex)	9.40	U	9.40	67.0	ug/Kg
93-76-5	2,4,5-T	10.1	U	10.1	67.0	ug/Kg
94-82-6	2,4-DB	18.3	U	18.3	67.0	ug/Kg
88-85-7	DINOSEB	12.4	U	12.4	67.0	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	487		10 - 141	97%	SPK: 500

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Roman E&G Corp	Date Collected:	10/07/24
Project:	Perth Amboy	Date Received:	10/07/24
Client Sample ID:	PIBLK-PS027854.D	SDG No.:	P4258
Lab Sample ID:	I.BLK-PS027854.D	Matrix:	WATER
Analytical Method:	SW8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS027854.D	1		10/07/24	PS100724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
1918-00-9	DICAMBA	0.42	U	0.42	2.00	ug/L
120-36-5	DICHLORPROP	0.43	U	0.43	2.00	ug/L
94-75-7	2,4-D	0.49	U	0.49	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.45	U	0.45	2.00	ug/L
93-76-5	2,4,5-T	0.50	U	0.50	2.00	ug/L
94-82-6	2,4-DB	0.57	U	0.57	2.00	ug/L
88-85-7	DINOSEB	0.55	U	0.55	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	510		39 - 175	102%	SPK: 500

Comments:

U = Not Detected
LOQ = Limit of Quantitation
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B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Roman E&G Corp	Date Collected:	10/11/24
Project:	Perth Amboy	Date Received:	10/11/24
Client Sample ID:	PIBLK-PS027904.D	SDG No.:	P4258
Lab Sample ID:	I.BLK-PS027904.D	Matrix:	WATER
Analytical Method:	SW8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS027904.D	1		10/11/24	PS101124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
1918-00-9	DICAMBA	0.42	U	0.42	2.00	ug/L
120-36-5	DICHLORPROP	0.43	U	0.43	2.00	ug/L
94-75-7	2,4-D	0.49	U	0.49	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.45	U	0.45	2.00	ug/L
93-76-5	2,4,5-T	0.50	U	0.50	2.00	ug/L
94-82-6	2,4-DB	0.57	U	0.57	2.00	ug/L
88-85-7	DINOSEB	0.55	U	0.55	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	520		39 - 175	104%	SPK: 500

Comments:

U = Not Detected
LOQ = Limit of Quantitation
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M = MS/MSD acceptance criteria did not meet requirements

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B = Analyte Found in Associated Method Blank
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Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Roman E&G Corp	Date Collected:	10/11/24
Project:	Perth Amboy	Date Received:	10/11/24
Client Sample ID:	PIBLK-PS027915.D	SDG No.:	P4258
Lab Sample ID:	I.BLK-PS027915.D	Matrix:	WATER
Analytical Method:	SW8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS027915.D	1		10/11/24	PS101124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
1918-00-9	DICAMBA	0.42	U	0.42	2.00	ug/L
120-36-5	DICHLORPROP	0.43	U	0.43	2.00	ug/L
94-75-7	2,4-D	0.49	U	0.49	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.45	U	0.45	2.00	ug/L
93-76-5	2,4,5-T	0.50	U	0.50	2.00	ug/L
94-82-6	2,4-DB	0.57	U	0.57	2.00	ug/L
88-85-7	DINOSEB	0.55	U	0.55	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	518		39 - 175	104%	SPK: 500

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
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S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Roman E&G Corp		Date Collected:		
Project:	Perth Amboy		Date Received:		
Client Sample ID:	PB164060BS		SDG No.:	P4258	
Lab Sample ID:	PB164060BS		Matrix:	SOIL	
Analytical Method:	SW8151A		% Solid:	100	Decanted:
Sample Wt/Vol:	30.02	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Herbicide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	8151A				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS027907.D	1	10/11/24 08:31	10/11/24 18:03	PB164060

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	160		8.70	67.0	ug/Kg
120-36-5	DICHLORPROP	170		9.50	67.0	ug/Kg
94-75-7	2,4-D	197		12.1	67.0	ug/Kg
93-72-1	2,4,5-TP (Silvex)	176		9.40	67.0	ug/Kg
93-76-5	2,4,5-T	164		10.1	67.0	ug/Kg
94-82-6	2,4-DB	186		18.3	67.0	ug/Kg
88-85-7	DINOSEB	162		12.4	67.0	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	590		10 - 141	118%	SPK: 500

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
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Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Roman E&G Corp	Date Collected:	10/10/24
Project:	Perth Amboy	Date Received:	10/10/24
Client Sample ID:	SP-1MS	SDG No.:	P4258
Lab Sample ID:	P4385-02MS	Matrix:	SOIL
Analytical Method:	SW8151A	% Solid:	93.4 Decanted:
Sample Wt/Vol:	30.08 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS027910.D	1	10/11/24 08:31	10/11/24 19:15	PB164060

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	94.8		9.30	71.5	ug/Kg
120-36-5	DICHLORPROP	80.0		10.2	71.5	ug/Kg
94-75-7	2,4-D	102		12.9	71.5	ug/Kg
93-72-1	2,4,5-TP (Silvex)	56.7	J	10.0	71.5	ug/Kg
93-76-5	2,4,5-T	72.3		10.8	71.5	ug/Kg
94-82-6	2,4-DB	88.2	P	19.5	71.5	ug/Kg
88-85-7	DINOSEB	13.2	U	13.2	71.5	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	490		10 - 141	98%	SPK: 500

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
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() = Laboratory InHouse Limit

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Roman E&G Corp	Date Collected:	10/10/24
Project:	Perth Amboy	Date Received:	10/10/24
Client Sample ID:	SP-1MSD	SDG No.:	P4258
Lab Sample ID:	P4385-02MSD	Matrix:	SOIL
Analytical Method:	SW8151A	% Solid:	93.4 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS027911.D	1	10/11/24 08:31	10/11/24 19:39	PB164060

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	96.3		9.30	71.6	ug/Kg
120-36-5	DICHLORPROP	81.1		10.2	71.6	ug/Kg
94-75-7	2,4-D	101		12.9	71.6	ug/Kg
93-72-1	2,4,5-TP (Silvex)	55.6	J	10.0	71.6	ug/Kg
93-76-5	2,4,5-T	71.4	J	10.8	71.6	ug/Kg
94-82-6	2,4-DB	55.3	J	19.6	71.6	ug/Kg
88-85-7	DINOSEB	13.3	U	13.3	71.6	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	511		10 - 141	102%	SPK: 500

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

CALIBRATION SUMMARY

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Instrument ID: ECD_S **Calibration Date(s):** 10/07/2024 10/07/2024

Calibration Times: 11:12 12:47

GC Column: RTX-CLP ID: 0.32 (mm)

LAB FILE ID: RT 200 = PS027855.D RT 500 = PS027856.D

RT 750 = PS027857.D RT 1000 = PS027858.D RT 1500 = PS027859.D

COMPOUND	RT 200	RT 500	RT 750	RT 1000	RT 1500	MEAN RT	RT WINDOW FROM	RT WINDOW TO
2,4,5-T	9.33	9.32	9.32	9.32	9.32	9.32	9.22	9.42
2,4,5-TP(Silvex)	9.04	9.04	9.04	9.04	9.04	9.04	8.94	9.14
2,4-D	8.19	8.19	8.19	8.19	8.19	8.19	8.09	8.29
2,4-DB	9.89	9.89	9.89	9.89	9.88	9.89	9.79	9.99
2,4-DCAA	7.10	7.10	7.10	7.10	7.10	7.10	7.00	7.20
DICAMBA	7.28	7.28	7.28	7.28	7.28	7.28	7.18	7.38
DICHLORPROP	7.97	7.96	7.96	7.96	7.96	7.96	7.86	8.06
Dinoseb	11.07	11.06	11.06	11.06	11.06	11.06	10.96	11.16

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Instrument ID: ECD_S **Calibration Date(s):** 10/07/2024 10/07/2024

Calibration Times: 11:12 12:47

GC Column: RTX-CLP2 ID: 0.32 (mm)

LAB FILE ID: RT 200 = PS027855.D RT 500 = PS027856.D

RT 750 = PS027857.D RT 1000 = PS027858.D RT 1500 = PS027859.D

COMPOUND	RT 200	RT 500	RT 750	RT 1000	RT 1500	MEAN RT	RT WINDOW FROM	RT WINDOW TO
2,4,5-T	10.16	10.16	10.16	10.16	10.16	10.16	10.06	10.26
2,4,5-TP(Silvex)	9.74	9.74	9.74	9.75	9.74	9.74	9.64	9.84
2,4-D	8.85	8.85	8.85	8.85	8.85	8.85	8.75	8.95
2,4-DB	10.72	10.72	10.72	10.72	10.72	10.72	10.62	10.82
2,4-DCAA	7.63	7.63	7.63	7.63	7.63	7.63	7.53	7.73
DICAMBA	7.82	7.82	7.82	7.82	7.82	7.82	7.72	7.92
DICHLORPROP	8.53	8.53	8.53	8.53	8.53	8.53	8.43	8.63
Dinoseb	11.09	11.09	11.09	11.10	11.10	11.09	10.99	11.19

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Instrument ID: ECD_S **Calibration Date(s):** 10/07/2024 10/07/2024

Calibration Times: 11:12 12:47

GC Column: RTX-CLP **ID:** 0.32 **(mm)**

LAB FILE ID: **CF 200 =** PS027855.D **CF 500 =** PS027856.D

CF 750 = PS027857.D **CF 1000 =** PS027858.D **CF 1500 =** PS027859.D

COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-T	18343600000	16688400000	15979100000	15233500000	14618600000	16172600000	9
2,4,5-TP(Silvex)	17880800000	16295200000	15561300000	14860800000	14230700000	15765800000	9
2,4-D	4035830000	3400610000	3232540000	3118050000	3033140000	3364040000	12
2,4-DB	2919030000	2604920000	2538650000	2470580000	2435210000	2593680000	7
2,4-DCAA	3212120000	2729210000	2603700000	2494650000	2431770000	2694290000	12
DICAMBA	12294700000	11042300000	10774300000	10345200000	10089200000	10909100000	8
DICHLORPROP	3386110000	2901560000	2764510000	2668690000	2587880000	2861750000	11
Dinoseb	12428700000	10842500000	10254000000	9696060000	9493690000	10543000000	11

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Instrument ID: ECD_S **Calibration Date(s):** 10/07/2024 10/07/2024

Calibration Times: 11:12 12:47

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)**

LAB FILE ID: **CF 200 =** PS027855.D **CF 500 =** PS027856.D

CF 750 = PS027857.D **CF 1000 =** PS027858.D **CF 1500 =** PS027859.D

COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-T	4247070000	4175740000	4737450000	3839740000	4526220000	4305240000	8
2,4,5-TP(Silvex)	4779860000	4999670000	5205360000	4527870000	5258550000	4954260000	6
2,4-D	1095340000	1009530000	1028930000	859895000	1017690000	1002280000	9
2,4-DB	511522000	522251000	524993000	441664000	531313000	506349000	7
2,4-DCAA	1083730000	982125000	983055000	920328000	999193000	993686000	6
DICAMBA	3377710000	3467820000	3634070000	3257360000	3648910000	3477170000	5
DICHLORPROP	1101380000	970842000	1031010000	847032000	984460000	986945000	9
Dinoseb	3358670000	3406870000	3546900000	3079720000	3498040000	3378040000	5

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CALIBRATION VERIFICATION SUMMARY

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Continuing Calib Date: 10/11/2024 **Initial Calibration Date(s):** 10/07/2024 10/07/2024

Continuing Calib Time: 10:37 **Initial Calibration Time(s):** 11:12 12:47

GC Column: RTX-CLP **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.27	7.28	7.18	7.38	0.01
2,4-DCAA	7.10	7.10	7.00	7.20	0.01
DICHLORPROP	7.96	7.96	7.86	8.06	0.00
2,4-D	8.18	8.19	8.09	8.29	0.01
2,4,5-TP(Silvex)	9.03	9.04	8.94	9.14	0.01
2,4,5-T	9.32	9.32	9.22	9.42	0.00
2,4-DB	9.88	9.89	9.79	9.99	0.01
Dinoseb	11.06	11.06	10.96	11.16	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Continuing Calib Date: 10/11/2024 **Initial Calibration Date(s):** 10/07/2024 10/07/2024

Continuing Calib Time: 10:37 **Initial Calibration Time(s):** 11:12 12:47

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.82	7.82	7.72	7.92	0.00
2,4-DCAA	7.62	7.63	7.53	7.73	0.01
DICHLORPROP	8.52	8.53	8.43	8.63	0.01
2,4-D	8.85	8.85	8.75	8.95	0.00
2,4,5-TP(Silvex)	9.74	9.74	9.64	9.84	0.00
2,4,5-T	10.15	10.16	10.06	10.26	0.01
2,4-DB	10.71	10.72	10.62	10.82	0.01
Dinoseb	11.09	11.09	10.99	11.19	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 10/07/2024 10/07/2024

Client Sample No.: CCAL01 **Date Analyzed:** 10/11/2024

Lab Sample No.: HSTDCCC750 **Data File :** PS027905.D **Time Analyzed:** 10:37

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.318	9.223	9.423	719.450	712.500	1.0
2,4,5-TP(Silvex)	9.034	8.938	9.138	717.440	712.500	0.7
2,4-D	8.181	8.085	8.285	686.600	705.000	-2.6
2,4-DB	9.881	9.785	9.985	702.270	712.500	-1.4
2,4-DCAA	7.095	6.998	7.198	735.100	750.000	-2.0
DICAMBA	7.274	7.177	7.377	705.590	705.000	0.1
DICHLORPROP	7.959	7.863	8.063	695.860	705.000	-1.3
Dinoseb	11.057	10.961	11.161	707.700	705.000	0.4

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CALIBRATION VERIFICATION SUMMARY

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 10/07/2024 10/07/2024

Client Sample No.: CCAL01 **Date Analyzed:** 10/11/2024

Lab Sample No.: HSTDCCC750 **Data File :** PS027905.D **Time Analyzed:** 10:37

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.153	10.058	10.258	708.250	712.500	-0.6
2,4,5-TP(Silvex)	9.739	9.643	9.843	721.720	712.500	1.3
2,4-D	8.849	8.752	8.952	672.380	705.000	-4.6
2,4-DB	10.714	10.619	10.819	705.100	712.500	-1.0
2,4-DCAA	7.622	7.528	7.728	698.610	750.000	-6.9
DICAMBA	7.817	7.722	7.922	732.660	705.000	3.9
DICHLORPROP	8.524	8.428	8.628	690.830	705.000	-2.0
Dinoseb	11.088	10.993	11.193	705.540	705.000	0.1

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CALIBRATION VERIFICATION SUMMARY

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Continuing Calib Date: 10/11/2024 **Initial Calibration Date(s):** 10/07/2024 10/07/2024

Continuing Calib Time: 21:38 **Initial Calibration Time(s):** 11:12 12:47

GC Column: RTX-CLP **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.27	7.28	7.18	7.38	0.01
2,4-DCAA	7.10	7.10	7.00	7.20	0.01
DICHLORPROP	7.96	7.96	7.86	8.06	0.00
2,4-D	8.18	8.19	8.09	8.29	0.01
2,4,5-TP(Silvex)	9.04	9.04	8.94	9.14	0.01
2,4,5-T	9.32	9.32	9.22	9.42	0.00
2,4-DB	9.88	9.89	9.79	9.99	0.01
Dinoseb	11.06	11.06	10.96	11.16	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Continuing Calib Date: 10/11/2024 **Initial Calibration Date(s):** 10/07/2024 10/07/2024

Continuing Calib Time: 21:38 **Initial Calibration Time(s):** 11:12 12:47

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.82	7.82	7.72	7.92	0.00
2,4-DCAA	7.62	7.63	7.53	7.73	0.01
DICHLORPROP	8.52	8.53	8.43	8.63	0.01
2,4-D	8.85	8.85	8.75	8.95	0.00
2,4,5-TP(Silvex)	9.74	9.74	9.64	9.84	0.00
2,4,5-T	10.15	10.16	10.06	10.26	0.01
2,4-DB	10.71	10.72	10.62	10.82	0.01
Dinoseb	11.09	11.09	10.99	11.19	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 10/07/2024 10/07/2024

Client Sample No.: CCAL02 **Date Analyzed:** 10/11/2024

Lab Sample No.: HSTDCCC750 **Data File :** PS027916.D **Time Analyzed:** 21:38

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.319	9.223	9.423	723.470	712.500	1.5
2,4,5-TP(Silvex)	9.035	8.938	9.138	715.280	712.500	0.4
2,4-D	8.182	8.085	8.285	691.690	705.000	-1.9
2,4-DB	9.881	9.785	9.985	706.900	712.500	-0.8
2,4-DCAA	7.095	6.998	7.198	738.190	750.000	-1.6
DICAMBA	7.274	7.177	7.377	705.560	705.000	0.1
DICHLORPROP	7.959	7.863	8.063	697.370	705.000	-1.1
Dinoseb	11.057	10.961	11.161	717.240	705.000	1.7

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CALIBRATION VERIFICATION SUMMARY

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 10/07/2024 10/07/2024

Client Sample No.: CCAL02 **Date Analyzed:** 10/11/2024

Lab Sample No.: HSTDCCC750 **Data File :** PS027916.D **Time Analyzed:** 21:38

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.153	10.058	10.258	720.170	712.500	1.1
2,4,5-TP(Silvex)	9.739	9.643	9.843	701.080	712.500	-1.6
2,4-D	8.848	8.752	8.952	705.930	705.000	0.1
2,4-DB	10.713	10.619	10.819	697.420	712.500	-2.1
2,4-DCAA	7.623	7.528	7.728	675.590	750.000	-9.9
DICAMBA	7.817	7.722	7.922	708.800	705.000	0.5
DICHLORPROP	8.524	8.428	8.628	679.310	705.000	-3.6
Dinoseb	11.089	10.993	11.193	702.130	705.000	-0.4

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Analytical Sequence

Client: Roman E&G Corp **SDG No.:** P4258

Project: Perth Amboy **Instrument ID:** ECD_S

GC Column: RTX-CLP **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 10/07/2024 10/07/2024

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCAA RT #	RT #
I.BLK	I.BLK	10/07/2024	10:14	PS027854.D	7.10	0.00
HSTDICC200	HSTDICC200	10/07/2024	11:12	PS027855.D	7.10	0.00
HSTDICC500	HSTDICC500	10/07/2024	11:36	PS027856.D	7.10	0.00
HSTDICC750	HSTDICC750	10/07/2024	12:00	PS027857.D	7.10	0.00
HSTDICC1000	HSTDICC1000	10/07/2024	12:23	PS027858.D	7.10	0.00
HSTDICC1500	HSTDICC1500	10/07/2024	12:47	PS027859.D	7.10	0.00
I.BLK	I.BLK	10/11/2024	10:13	PS027904.D	7.10	0.00
HSTDCCC750	HSTDCCC750	10/11/2024	10:37	PS027905.D	7.10	0.00
PB164060BL	PB164060BL	10/11/2024	17:39	PS027906.D	7.10	0.00
PB164060BS	PB164060BS	10/11/2024	18:03	PS027907.D	7.10	0.00
Chamberlain Ave	P4258-03	10/11/2024	18:27	PS027908.D	7.10	0.00
SP-1MS	P4385-02MS	10/11/2024	19:15	PS027910.D	7.09	0.00
SP-1MSD	P4385-02MSD	10/11/2024	19:39	PS027911.D	7.09	0.00
I.BLK	I.BLK	10/11/2024	21:14	PS027915.D	7.10	0.00
HSTDCCC750	HSTDCCC750	10/11/2024	21:38	PS027916.D	7.10	0.00

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Analytical Sequence

Client: Roman E&G Corp **SDG No.:** P4258

Project: Perth Amboy **Instrument ID:** ECD_S

GC Column: RTX-CLP2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 10/07/2024 10/07/2024

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCAA RT #	RT #
I.BLK	I.BLK	10/07/2024	10:14	PS027854.D	7.63	0.00
HSTDICC200	HSTDICC200	10/07/2024	11:12	PS027855.D	7.63	0.00
HSTDICC500	HSTDICC500	10/07/2024	11:36	PS027856.D	7.63	0.00
HSTDICC750	HSTDICC750	10/07/2024	12:00	PS027857.D	7.63	0.00
HSTDICC1000	HSTDICC1000	10/07/2024	12:23	PS027858.D	7.63	0.00
HSTDICC1500	HSTDICC1500	10/07/2024	12:47	PS027859.D	7.63	0.00
I.BLK	I.BLK	10/11/2024	10:13	PS027904.D	7.62	0.00
HSTDCCC750	HSTDCCC750	10/11/2024	10:37	PS027905.D	7.62	0.00
PB164060BL	PB164060BL	10/11/2024	17:39	PS027906.D	7.62	0.00
PB164060BS	PB164060BS	10/11/2024	18:03	PS027907.D	7.62	0.00
Chamberlain Ave	P4258-03	10/11/2024	18:27	PS027908.D	7.62	0.00
SP-1MS	P4385-02MS	10/11/2024	19:15	PS027910.D	7.62	0.00
SP-1MSD	P4385-02MSD	10/11/2024	19:39	PS027911.D	7.62	0.00
I.BLK	I.BLK	10/11/2024	21:14	PS027915.D	7.62	0.00
HSTDCCC750	HSTDCCC750	10/11/2024	21:38	PS027916.D	7.62	0.00

Alliance TECHNICAL GROUP
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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB164060BS

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Lab Sample ID: PB164060BS **Date(s) Analyzed:** 10/11/2024 10/11/2024

Instrument ID (1): ECD_S **Instrument ID (2):** ECD_S

GC Column: (1): RTX-CLP **ID:** 0.32 (mm) **GC Column:(2):** RTX-CLP2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
2,4,5-TP(Silvex)	1	9.03	8.98	9.08	176	1.1
	2	9.74	9.69	9.79	174	
2,4,5-T	1	9.32	9.27	9.37	164	1.2
	2	10.15	10.10	10.20	162	
DICHLORPROP	1	7.96	7.91	8.01	168	1.2
	2	8.53	8.48	8.58	170	
2,4-D	1	8.18	8.13	8.23	178	10.1
	2	8.85	8.80	8.90	197	
2,4-DB	1	9.88	9.83	9.93	170	9
	2	10.72	10.67	10.77	186	
Dinoseb	1	11.06	11.01	11.11	162	0
	2	11.09	11.04	11.14	162	
DICAMBA	1	7.28	7.23	7.33	160	7.1
	2	7.82	7.77	7.87	149	

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

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

SP-1MS

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Lab Sample ID: P4385-02MS **Date(s) Analyzed:** 10/11/2024 10/11/2024

Instrument ID (1): ECD_S **Instrument ID (2):** ECD_S

GC Column: (1): RTX-CLP **ID:** 0.32 (mm) **GC Column:(2):** RTX-CLP2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
2,4,5-T	1	9.32	9.27	9.37	72.3	2.2
	2	10.15	10.10	10.20	70.7	
2,4,5-TP(Silvex)	1	9.03	8.98	9.08	56.7	9.8
	2	9.74	9.69	9.79	51.4	
2,4-D	1	8.18	8.13	8.23	98.4	3.6
	2	8.85	8.80	8.90	102	
2,4-DB	1	9.88	9.83	9.93	88.2	40.7
	2	10.71	10.66	10.76	58.4	
DICHLORPROP	1	7.96	7.91	8.01	79.7	0.4
	2	8.52	8.47	8.57	80.0	
DICAMBA	1	7.27	7.22	7.32	94.8	20.3
	2	7.82	7.77	7.87	77.3	

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

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

SP-1MSD

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Lab Sample ID: P4385-02MSD **Date(s) Analyzed:** 10/11/2024 10/11/2024

Instrument ID (1): ECD_S **Instrument ID (2):** ECD_S

GC Column: (1): RTX-CLP **ID:** 0.32 (mm) **GC Column:(2):** RTX-CLP2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
DICHLORPROP	1	7.96	7.91	8.01	78.9	2.7
	2	8.53	8.48	8.58	81.1	
2,4-D	1	8.18	8.13	8.23	99.7	1.3
	2	8.85	8.80	8.90	101	
2,4,5-TP(Silvex)	1	9.03	8.98	9.08	55.6	15.7
	2	9.74	9.69	9.79	47.5	
2,4,5-T	1	9.32	9.27	9.37	71.4	0.1
	2	10.15	10.10	10.20	71.3	
2,4-DB	1	9.88	9.83	9.93	52.4	5.4
	2	10.71	10.66	10.76	55.3	
DICAMBA	1	7.27	7.22	7.32	96.3	20.5
	2	7.82	7.77	7.87	78.4	

SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS101124\
Data File : PS027908.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Oct 2024 18:27
Operator : AR\AJ
Sample : P4258-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
Chamberlain Ave

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/14/2024
Supervised By :Ankita Jodhani 10/14/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 14 00:55:52 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS100724.M
Quant Title : 8080.M
QLast Update : Mon Oct 07 13:46:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
4) S	2,4-DCAA	7.095	7.623	692.9E6	188.5E6	257.161m	189.677m#
	Target Compounds						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

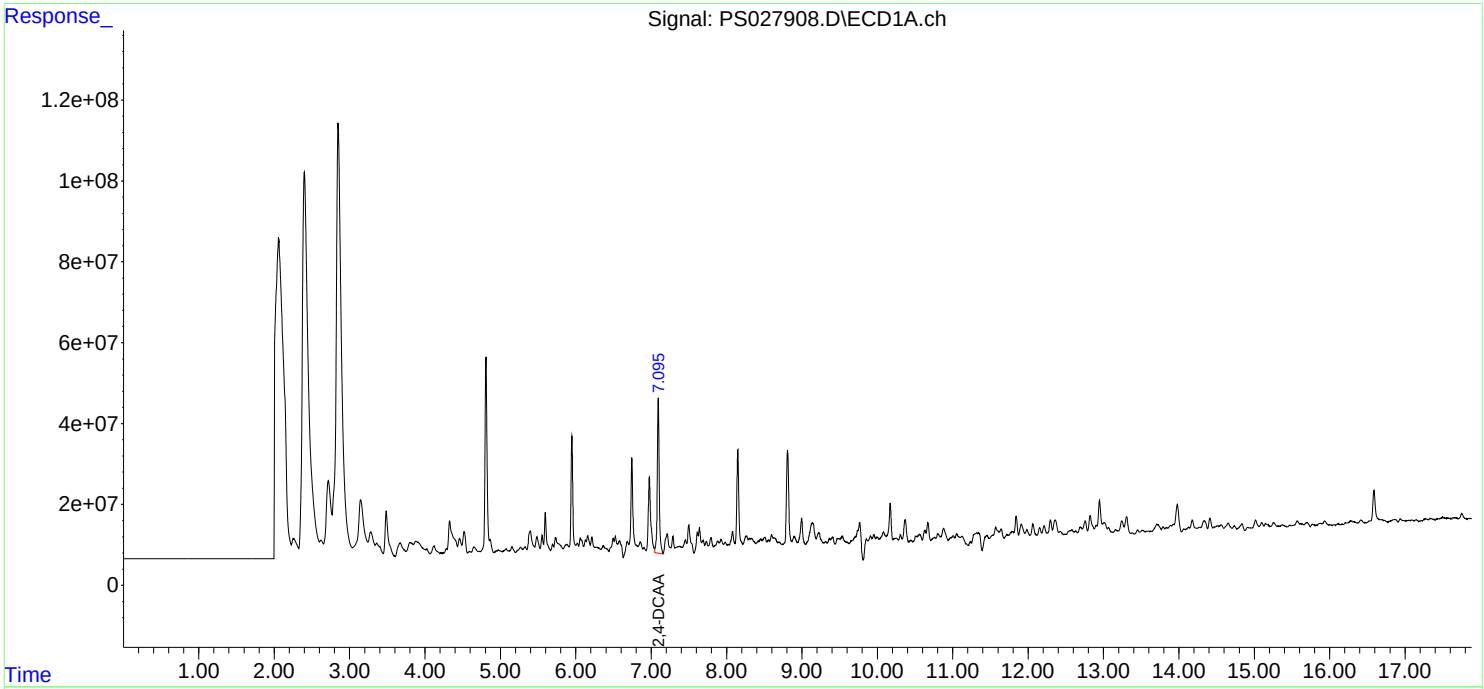
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS101124\
Data File : PS027908.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Oct 2024 18:27
Operator : AR\AJ
Sample : P4258-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

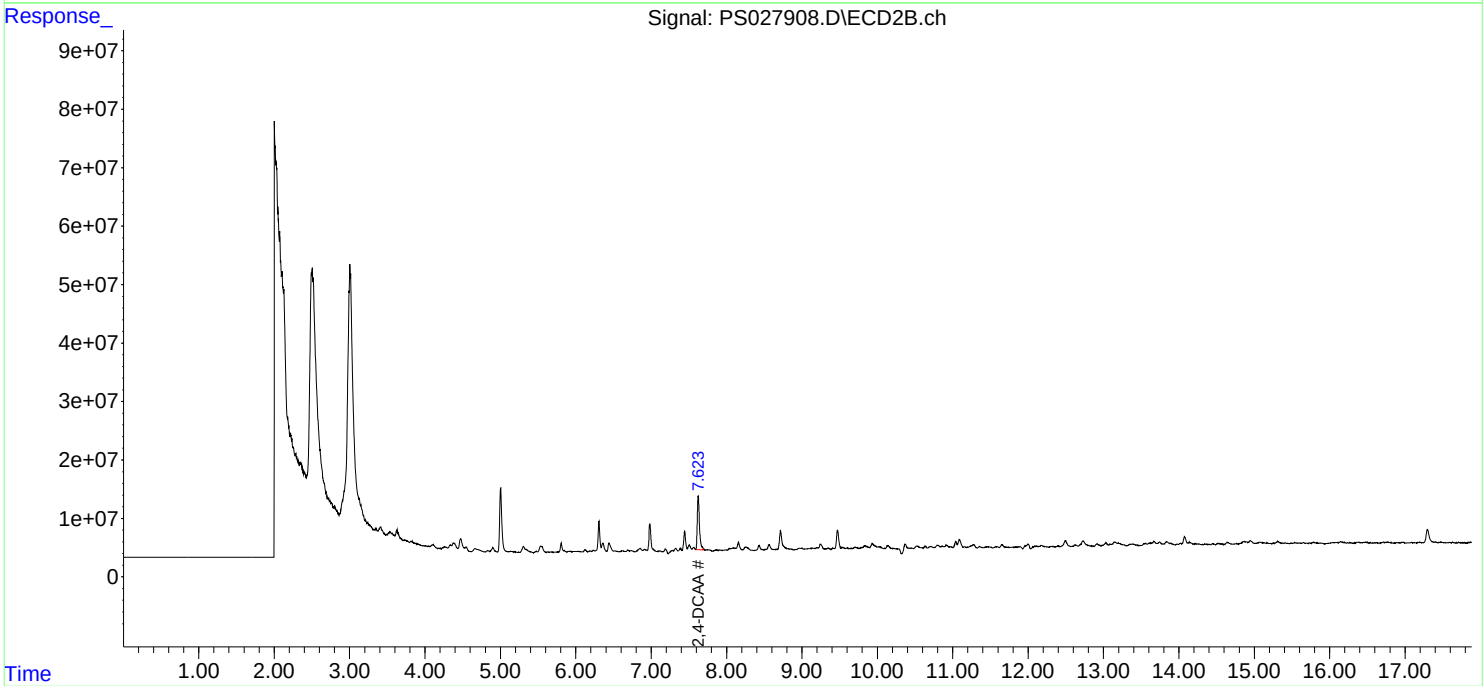
Instrument :
ECD_S
ClientSampleId :
Chamberlain Ave

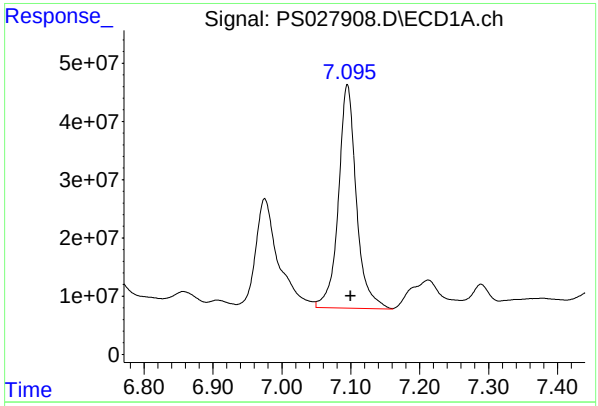
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 10/14/2024
Supervised By :Ankita Jodhani 10/14/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 14 00:55:52 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS100724.M
Quant Title : 8080.M
QLast Update : Mon Oct 07 13:46:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm







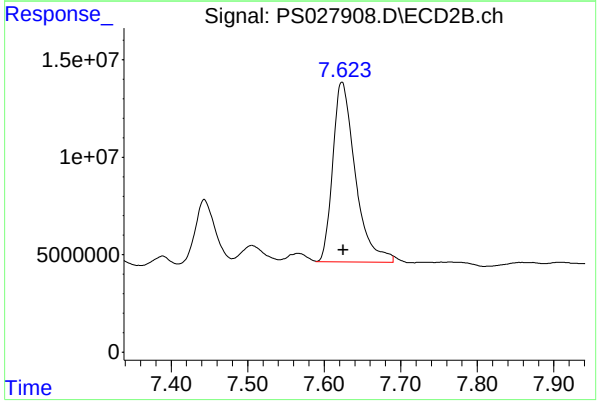
#4 2,4-DCAA

R.T.: 7.095 min
Delta R.T.: -0.006 mi
Response: 692867099
Conc: 257.16 ng/m

Instrument :
ECD_S
ClientSampleId :
Chamberlain Ave

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/14/2024
Supervised By :Ankita Jodhani 10/14/2024



#4 2,4-DCAA

R.T.: 7.623 min
Delta R.T.: -0.002 min
Response: 188479567
Conc: 189.68 ng/ml m

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS101124\
Data File : PS027906.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Oct 2024 17:39
Operator : AR\AJ
Sample : PB164060BL
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 14 00:53:39 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS100724.M
Quant Title : 8080.M
QLast Update : Mon Oct 07 13:46:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

Instrument :
ECD_S
ClientSampleId :
PB164060BL

Manual Integrations APPROVED

Reviewed By :Abdul Mirza

10/14/2024

Supervised By :Ankita Jodhani

10/14/2024

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
4) S 2,4-DCAA	7.097	7.621	1311.1E6	433.4E6	486.620m	436.190
Target Compounds						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS101124\
Data File : PS027906.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Oct 2024 17:39
Operator : AR\AJ
Sample : PB164060BL
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 14 00:53:39 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS100724.M
Quant Title : 8080.M
QLast Update : Mon Oct 07 13:46:03 2024
Response via : Initial Calibration
Integrator: ChemStation

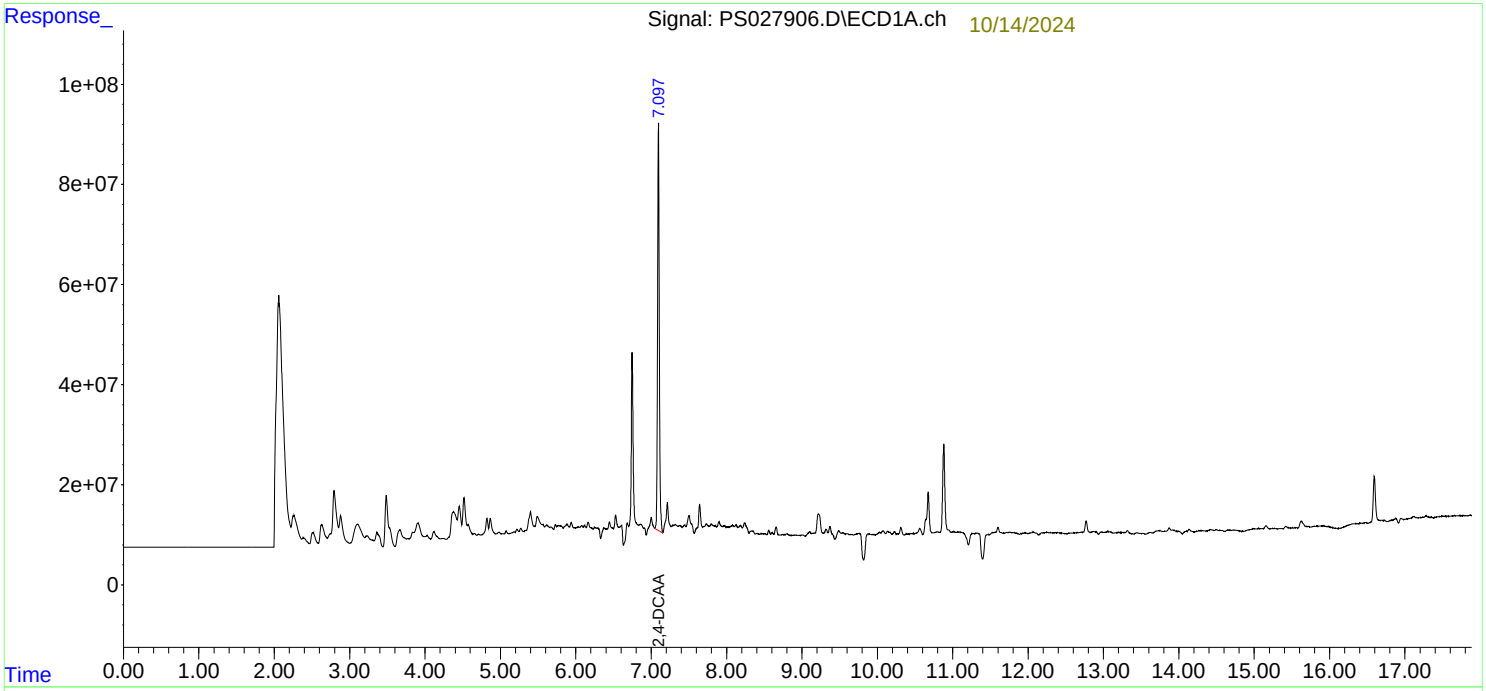
Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

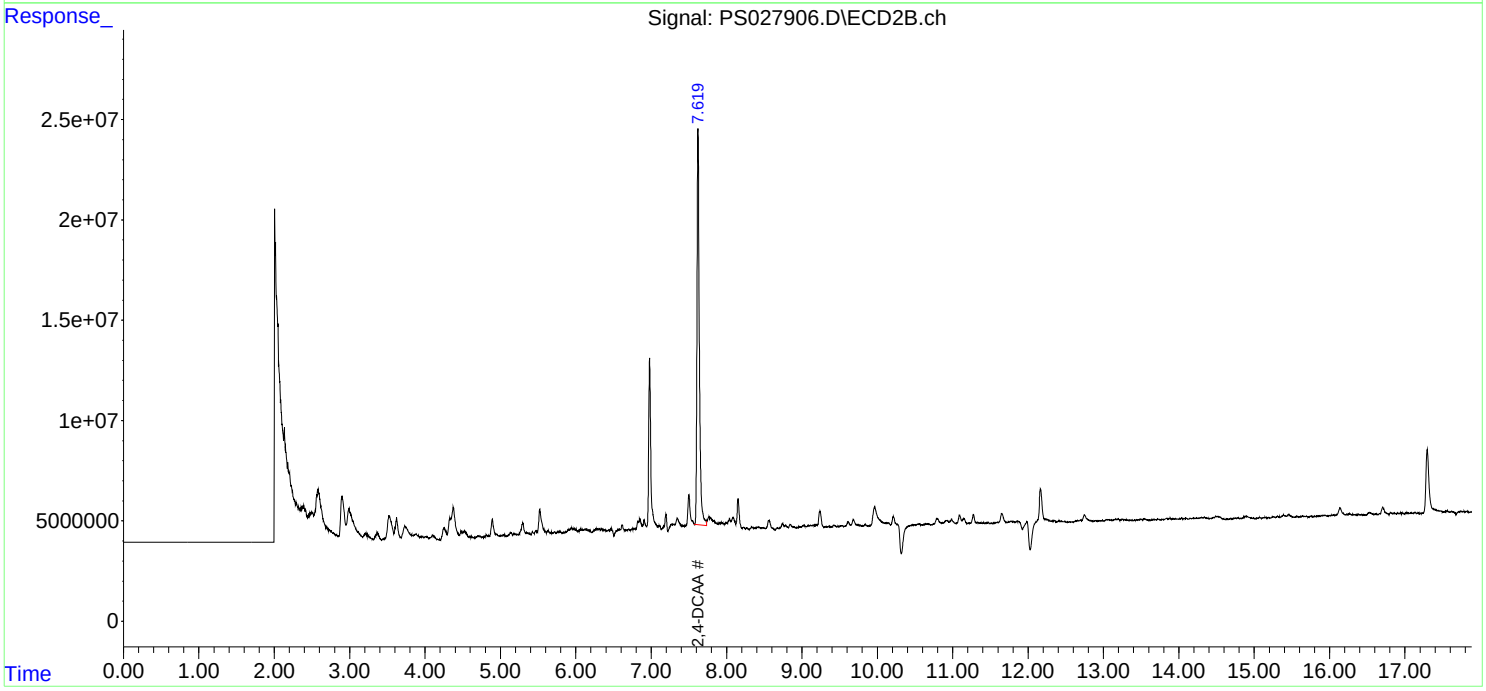
Instrument :
ECD_S
ClientSampleId :
PB164060BL

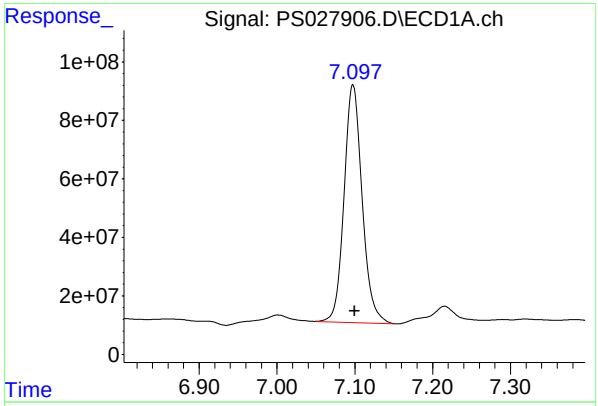
Manual Integrations APPROVED

Reviewed By :Abdul Mirza

10/14/2024
Supervised By :Ankita Jodhani







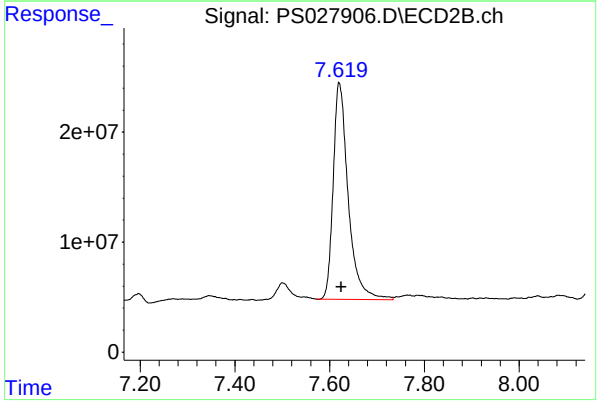
#4 2,4-DCAA

R.T.: 7.097 min
Delta R.T.: -0.003 min
Response: 1311096342
Conc: 486.62 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB164060BL

Manual Integrations APPROVED

Reviewed By :Abdul Mirza



#4 2,4-DCAA

R.T.: 7.621 min
Delta R.T.: -0.004 min
Response: 433435994
Conc: 436.19 ng/ml

10/14/2024
Supervised By :Ankita Jodhani

10/14/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS101124\
Data File : PS027907.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Oct 2024 18:03
Operator : AR\AJ
Sample : PB164060BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB164060BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 14 00:54:32 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS100724.M
Quant Title : 8080.M
QLast Update : Mon Oct 07 13:46:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
4)	S	2,4-DCAA	7.096	7.624	1588.7E6	528.9E6	589.656	532.227
		Target Compounds						
1)	T	Dalapon	2.545	2.625	1850.5E6	719.1E6	412.335	431.702
2)	T	3,5-DICHL...	6.287	6.595	1954.8E6	690.3E6	492.135	504.825
3)	T	4-Nitroph...	6.891	7.159	859.6E6	291.1E6	470.790	428.834
5)	T	DICAMBA	7.275	7.819	5229.5E6	1558.0E6	479.373	448.070
6)	T	MCPP	7.452	7.920	347.3E6	142.5E6	46.703	51.785
7)	T	MCPA	7.597	8.160	511.9E6	254.5E6	48.329	50.883
8)	T	DICHLORPROP	7.960	8.525	1445.9E6	503.8E6	505.265	510.515
9)	T	2,4-D	8.182	8.850	1797.1E6	593.1E6	534.219	591.749
10)	T	Pentachlo...	8.469	9.362	20373.9E6	6874.9E6	524.374	497.500
11)	T	2,4,5-TP ...	9.034	9.739	8317.7E6	2594.3E6	527.577	523.642
12)	T	2,4,5-T	9.320	10.154	7955.3E6	2092.8E6	491.900	486.106
13)	T	2,4-DB	9.883	10.715	1319.8E6	282.0E6	508.869	556.866
14)	T	DINOSEB	11.058	11.089	5131.7E6	1642.3E6	486.742	486.180
15)	T	Picloram	10.874	12.163	8774.5E6	1658.1E6	407.595	396.930
16)	T	DCPA	11.356	12.121	9812.7E6	3059.1E6	552.490	637.274

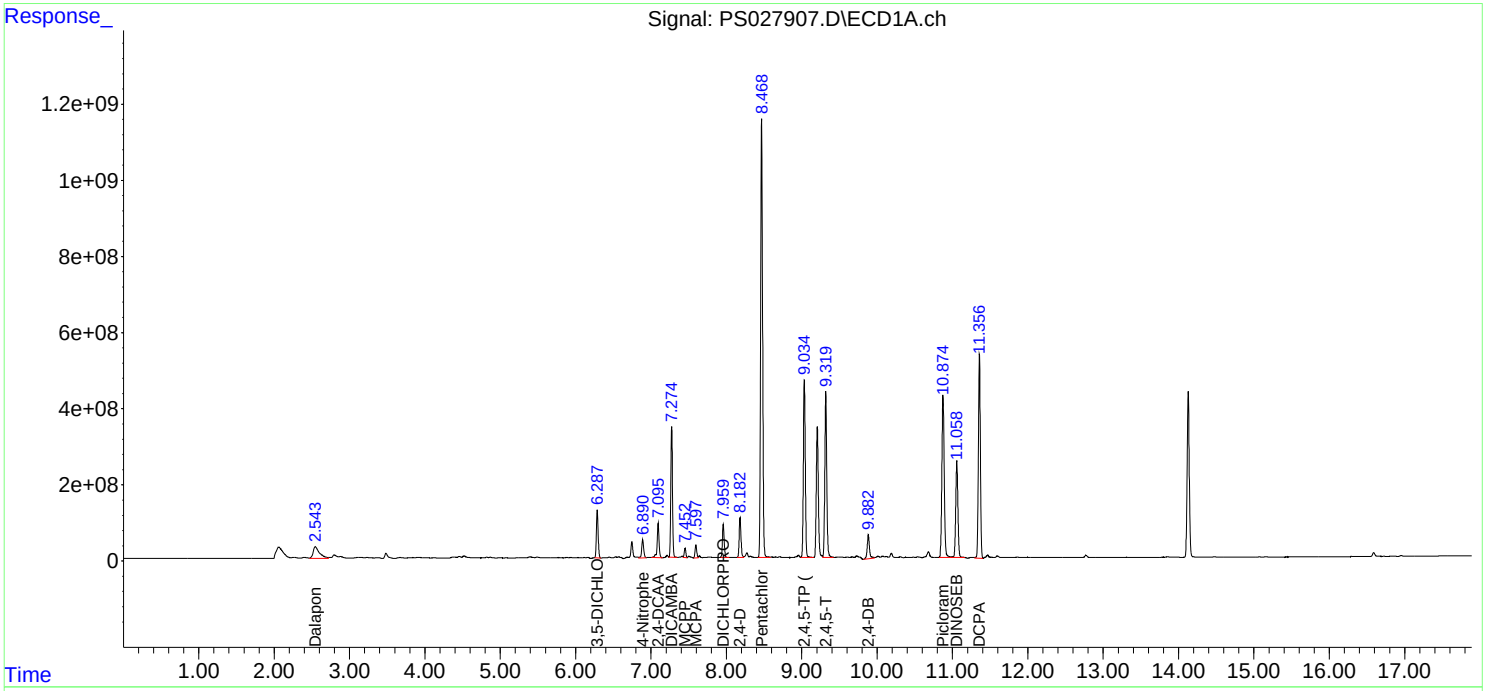
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

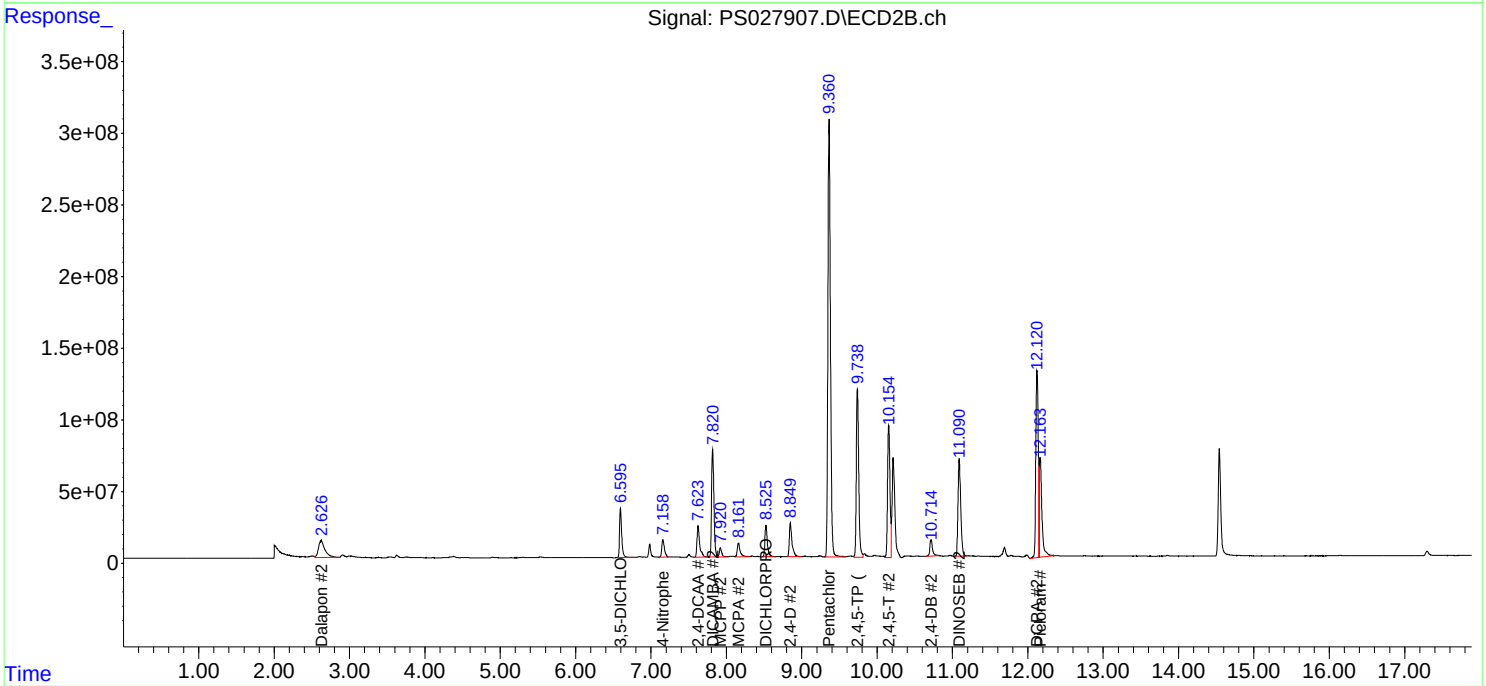
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS101124\
Data File : PS027907.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Oct 2024 18:03
Operator : AR\AJ
Sample : PB164060BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB164060BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 14 00:54:32 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS100724.M
Quant Title : 8080.M
QLast Update : Mon Oct 07 13:46:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS101124\
Data File : PS027910.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Oct 2024 19:15
Operator : AR\AJ
Sample : P4385-02MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
SP-1MS

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 10/14/2024
Supervised By :Ankita Jodhani 10/14/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 14 03:02:58 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS100724.M
Quant Title : 8080.M
QLast Update : Mon Oct 07 13:46:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
4) S	2,4-DCAA	7.094	7.624	1320.3E6	358.7E6	490.050m	360.991m#
	Target Compounds						
1) T	Dalapon	2.545	2.607	1471.7E6	426.7E6	327.918	256.163m
2) T	3,5-DICHL...	6.287	6.597	908.1E6	281.9E6	228.615	206.147
3) T	4-Nitroph...	6.890	7.160	293.7E6	90780179	160.874m	133.738m
5) T	DICAMBA	7.274	7.818	2905.6E6	755.5E6	266.341	217.288
6) T	MCPP	7.449	7.918	158.4E6	49023483	21.295	17.812
7) T	MCPA	7.595	8.158	320.3E6	166.7E6	30.242	33.326
8) T	DICHLORPROP	7.959	8.524	640.5E6	221.9E6	223.817	224.885
9) T	2,4-D	8.182	8.849	930.4E6	286.0E6	276.580	285.305
10) T	Pentachlo...	8.468	9.363	4810.7E6	1183.0E6	123.815	85.610 #
11) T	2,4,5-TP ...	9.034	9.739	2512.6E6	715.2E6	159.370	144.368
12) T	2,4,5-T	9.319	10.152	3283.0E6	854.7E6	202.998	198.523
13) T	2,4-DB	9.883	10.712	642.4E6	83053881	247.671	164.025 #
14) T	DINOSEB	11.057	11.091	245.5E6	90440272	23.286m	26.773
15) T	Picloram	10.874	12.165	5187.3E6	891.5E6	240.960	213.411
16) T	DCPA	11.355	12.121	6139.1E6	1735.0E6	345.651m	361.437

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

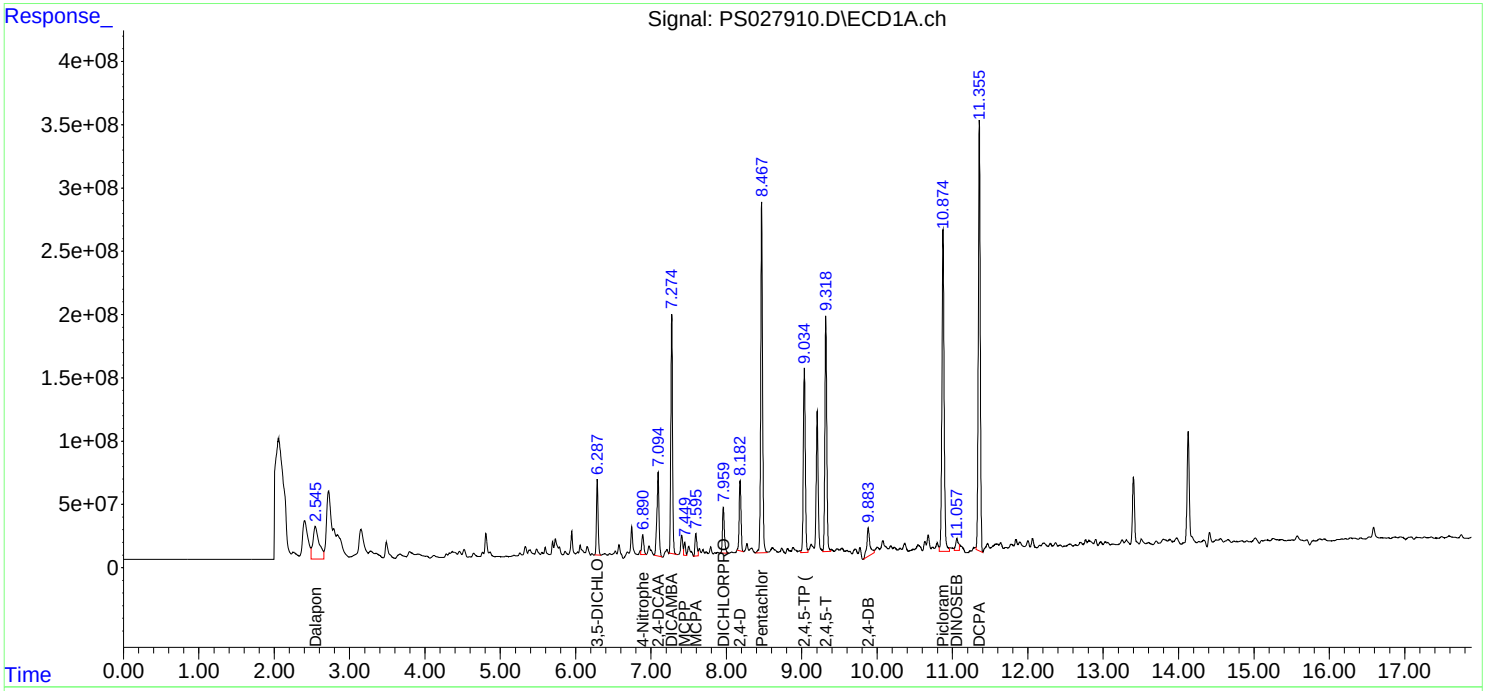
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS101124\
Data File : PS027910.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Oct 2024 19:15
Operator : AR\AJ
Sample : P4385-02MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

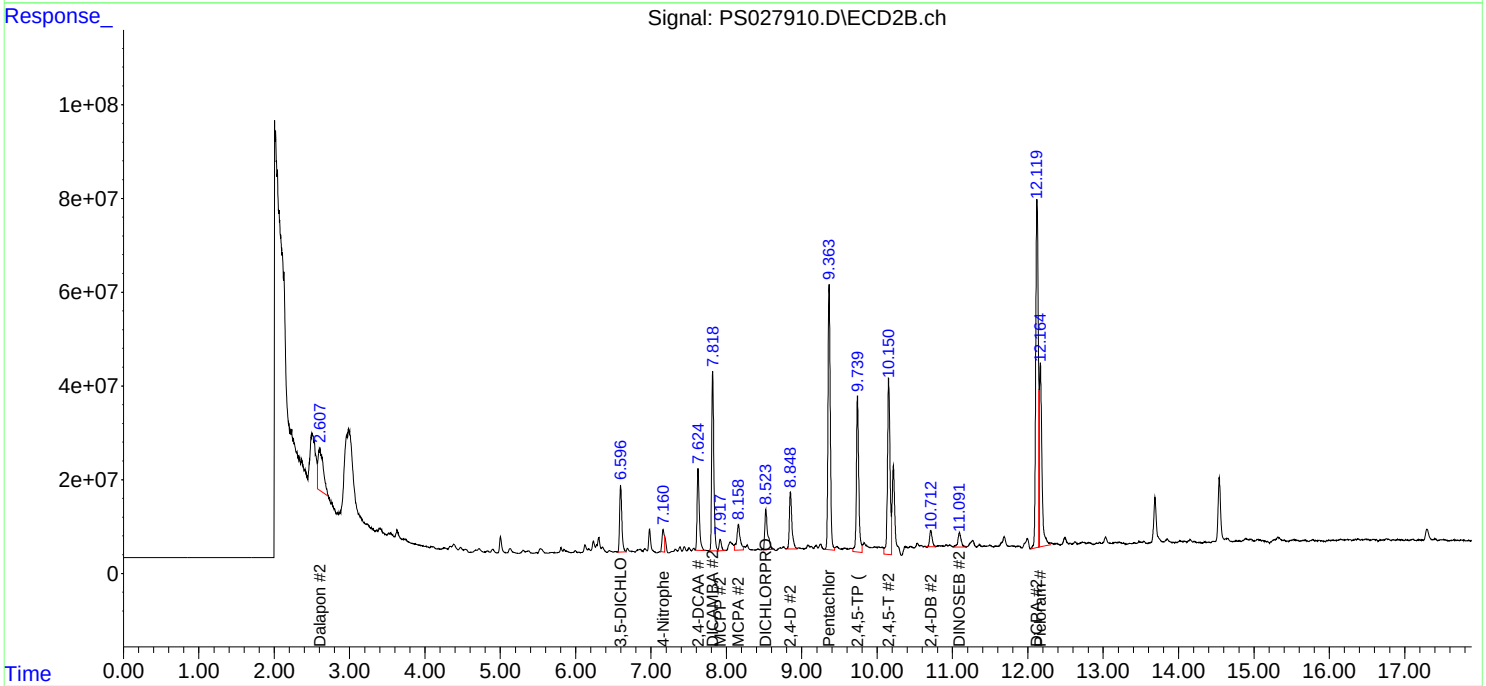
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 14 03:02:58 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS100724.M
Quant Title : 8080.M
QLast Update : Mon Oct 07 13:46:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

Instrument :
ECD_S
ClientSampleId :
SP-1MS

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 10/14/2024
Supervised By :Ankita Jodhani 10/14/2024





Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS101124\
Data File : PS027911.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Oct 2024 19:39
Operator : AR\AJ
Sample : P4385-02MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
SP-1MSD

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 10/14/2024
Supervised By :Ankita Jodhani 10/14/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 14 03:03:51 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS100724.M
Quant Title : 8080.M
QLast Update : Mon Oct 07 13:46:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
4) S	2,4-DCAA	7.093	7.623	1375.7E6	368.2E6	510.592m	370.560m#
	Target Compounds						
1) T	Dalapon	2.545	2.615	1491.5E6	450.6E6	332.347	270.542m
2) T	3,5-DICHL...	6.287	6.595	916.0E6	286.0E6	230.609	209.116
3) T	4-Nitroph...	6.890	7.158	301.1E6	108.2E6	164.920m	159.379m
5) T	DICAMBA	7.274	7.819	2948.6E6	765.0E6	270.288	220.017
6) T	MCPP	7.449	7.918	159.2E6	51743334	21.413	18.800
7) T	MCPA	7.595	8.160	321.7E6	121.5E6	30.375	24.280m
8) T	DICHLORPROP	7.960	8.525	633.7E6	224.7E6	221.439	227.645
9) T	2,4-D	8.182	8.851	941.3E6	284.5E6	279.800	283.877
10) T	Pentachlo...	8.468	9.363	4669.3E6	1167.6E6	120.177	84.495 #
11) T	2,4,5-TP ...	9.034	9.739	2458.8E6	660.5E6	155.955	133.313
12) T	2,4,5-T	9.319	10.153	3240.6E6	861.7E6	200.374	200.160
13) T	2,4-DB	9.882	10.714	381.8E6	78540468	147.189m	155.111
14) T	DINOSEB	11.056	11.088	135.6E6	90336221	12.862m	26.742 #
15) T	Picloram	10.873	12.163	5324.2E6	869.1E6	247.323	208.055m
16) T	DCPA	11.356	12.123	6572.2E6	1825.9E6	370.036	380.363m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

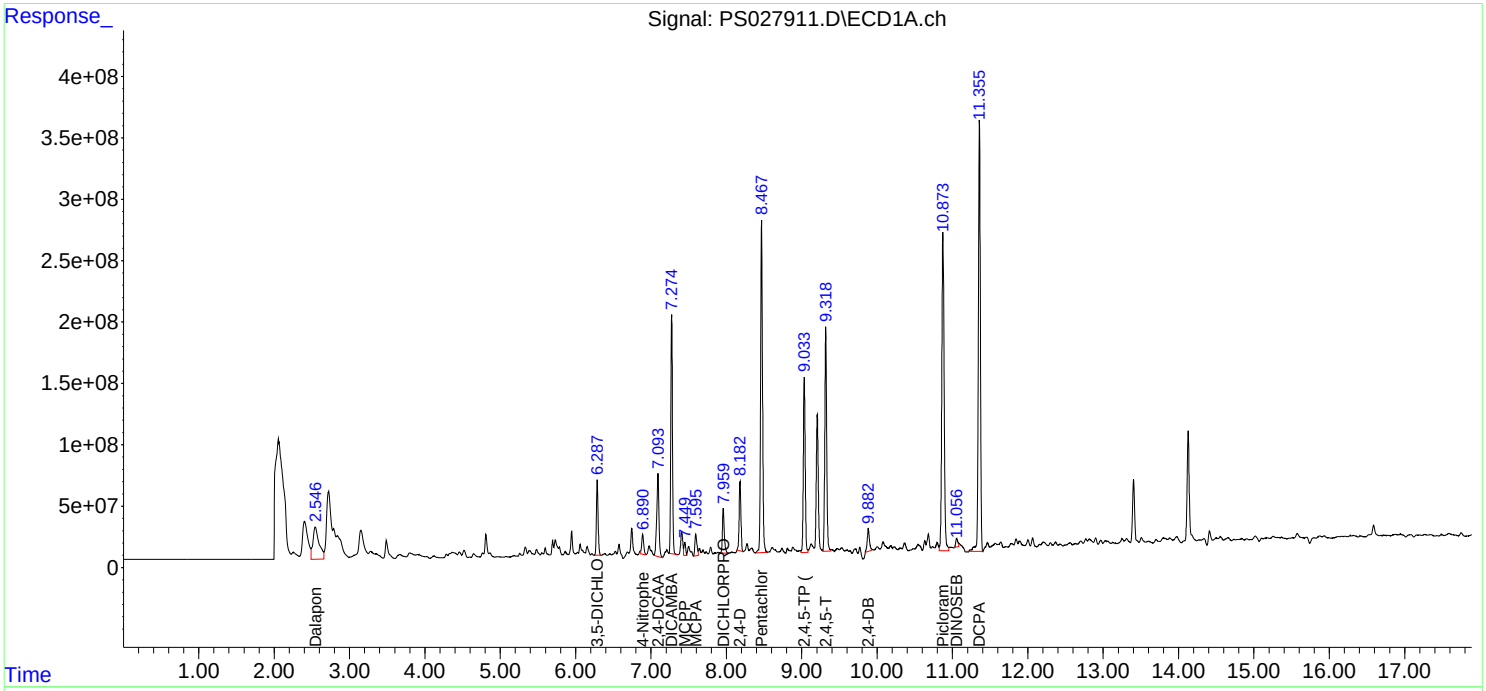
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS101124\
Data File : PS027911.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Oct 2024 19:39
Operator : AR\AJ
Sample : P4385-02MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

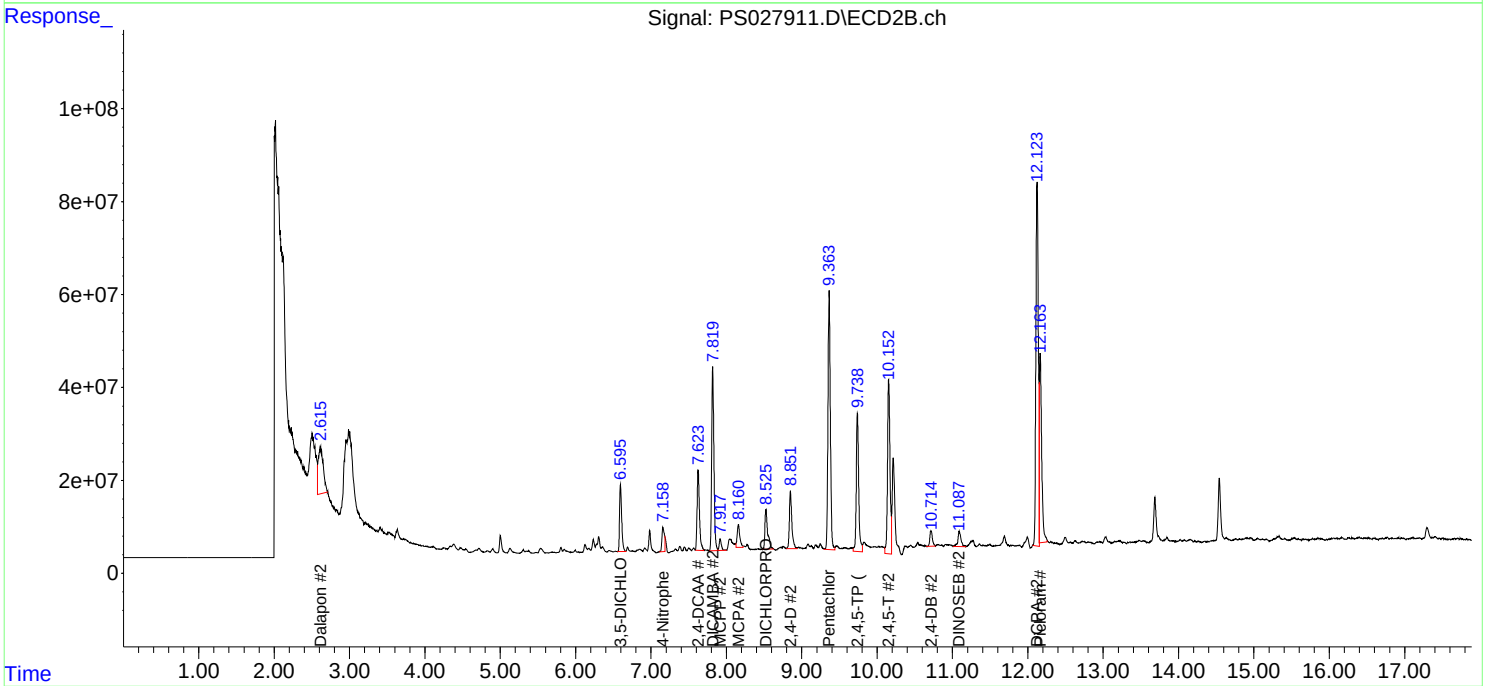
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 14 03:03:51 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS100724.M
Quant Title : 8080.M
QLast Update : Mon Oct 07 13:46:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

Instrument :
ECD_S
ClientSampleId :
SP-1MSD

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 10/14/2024
Supervised By :Ankita Jodhani 10/14/2024





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Manual Integration Report

Sequence:	PS100724	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDICC200	PS027855.D	2,4-D	Abdul	10/8/2024 8:25:23 AM	Ankita	10/8/2024 9:52:08	Peak Integrated by Software
HSTDICC200	PS027855.D	Dalapon	Abdul	10/8/2024 8:25:23 AM	Ankita	10/8/2024 9:52:08	Peak Integrated by Software
HSTDICC1000	PS027858.D	2,4-DCAA	Abdul	10/8/2024 8:25:27 AM	Ankita	10/8/2024 9:52:10	Peak Integrated by Software
HSTDICC1000	PS027858.D	MCPP	Abdul	10/8/2024 8:25:27 AM	Ankita	10/8/2024 9:52:10	Peak Integrated by Software
HSTDCCC750	PS027867.D	2,4-DCAA #2	Abdul	10/8/2024 8:25:38 AM	Ankita	10/8/2024 9:52:17	Peak Integrated by Software
HSTDCCC750	PS027867.D	Dalapon #2	Abdul	10/8/2024 8:25:38 AM	Ankita	10/8/2024 9:52:17	Peak Integrated by Software
HSTDCCC750	PS027872.D	2,4-DCAA #2	Abdul	10/8/2024 8:25:57 AM	Ankita	10/8/2024 9:52:23	Peak Integrated by Software

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Manual Integration Report

Sequence:	PS101124	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDCCC750	PS027905.D	2,4-DCAA #2	Abdul	10/14/2024 8:40:04 AM	Ankita	10/14/2024 9:20:35	Peak Integrated by Software
HSTDCCC750	PS027905.D	DCPA #2	Abdul	10/14/2024 8:40:04 AM	Ankita	10/14/2024 9:20:35	Peak Integrated by Software
PB164060BL	PS027906.D	2,4-DCAA	Abdul	10/14/2024 8:40:07 AM	Ankita	10/14/2024 9:20:36	Peak Integrated by Software
P4258-03	PS027908.D	2,4-DCAA	Abdul	10/14/2024 8:40:10 AM	Ankita	10/14/2024 9:20:38	Peak Integrated by Software
P4258-03	PS027908.D	2,4-DCAA #2	Abdul	10/14/2024 8:40:10 AM	Ankita	10/14/2024 9:20:38	Peak Integrated by Software
P4385-02MS	PS027910.D	2,4-DCAA	Abdul	10/14/2024 4:25:48 PM	Ankita	10/14/2024 4:27:02	Peak Integrated by Software
P4385-02MS	PS027910.D	2,4-DCAA #2	Abdul	10/14/2024 4:25:48 PM	Ankita	10/14/2024 4:27:02	Peak Integrated by Software
P4385-02MS	PS027910.D	4-Nitrophenol	Abdul	10/14/2024 4:25:48 PM	Ankita	10/14/2024 4:27:02	Peak Integrated by Software
P4385-02MS	PS027910.D	4-Nitrophenol #2	Abdul	10/14/2024 4:25:48 PM	Ankita	10/14/2024 4:27:02	Peak Integrated by Software
P4385-02MS	PS027910.D	Dalapon #2	Abdul	10/14/2024 4:25:48 PM	Ankita	10/14/2024 4:27:02	Peak Integrated by Software
P4385-02MS	PS027910.D	DCPA	Abdul	10/14/2024 4:25:48 PM	Ankita	10/14/2024 4:27:02	Peak Integrated by Software
P4385-02MS	PS027910.D	DINOSEB	Abdul	10/14/2024 4:25:48 PM	Ankita	10/14/2024 4:27:02	Peak Integrated by Software
P4385-02MSD	PS027911.D	2,4-DB	Abdul	10/14/2024 4:25:50 PM	Ankita	10/14/2024 4:27:04	Peak Integrated by Software

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Manual Integration Report

Sequence:	PS101124	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P4385-02MSD	PS027911.D	2,4-DCAA	Abdul	10/14/2024 4:25:50 PM	Ankita	10/14/2024 4:27:04	Peak Integrated by Software
P4385-02MSD	PS027911.D	2,4-DCAA #2	Abdul	10/14/2024 4:25:50 PM	Ankita	10/14/2024 4:27:04	Peak Integrated by Software
P4385-02MSD	PS027911.D	4-Nitrophenol	Abdul	10/14/2024 4:25:50 PM	Ankita	10/14/2024 4:27:04	Peak Integrated by Software
P4385-02MSD	PS027911.D	4-Nitrophenol #2	Abdul	10/14/2024 4:25:50 PM	Ankita	10/14/2024 4:27:04	Peak Integrated by Software
P4385-02MSD	PS027911.D	Dalapon #2	Abdul	10/14/2024 4:25:50 PM	Ankita	10/14/2024 4:27:04	Peak Integrated by Software
P4385-02MSD	PS027911.D	DCPA #2	Abdul	10/14/2024 4:25:50 PM	Ankita	10/14/2024 4:27:04	Peak Integrated by Software
P4385-02MSD	PS027911.D	DINOSEB	Abdul	10/14/2024 4:25:50 PM	Ankita	10/14/2024 4:27:04	Peak Integrated by Software
P4385-02MSD	PS027911.D	MCPA #2	Abdul	10/14/2024 4:25:50 PM	Ankita	10/14/2024 4:27:04	Peak Integrated by Software
P4385-02MSD	PS027911.D	Picloram #2	Abdul	10/14/2024 4:25:50 PM	Ankita	10/14/2024 4:27:04	Peak Integrated by Software
HSTDCCC750	PS027916.D	2,4-DCAA #2	Abdul	10/14/2024 8:40:49 AM	Ankita	10/14/2024 9:20:47	Peak Integrated by Software

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Fax : 908 789 8922

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS100724

Review By	Abdul	Review On	10/8/2024 8:26:19 AM		
Supervise By	Ankita	Supervise On	10/8/2024 9:52:35 AM		
SubDirectory	PS100724	HP Acquire Method		HP Processing Method	ps100724 8151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	P23457,PP23458,PP23459,PP23460,PP23461,PP23462,PP23467,PP23468,PP23469
CCC	PP23462
Internal Standard/PEM	
ICV/I.BLK	PP23469
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PS027853.D	07 Oct 2024 09:50	AR\AJ	Ok
2	I.BLK	PS027854.D	07 Oct 2024 10:14	AR\AJ	Ok
3	HSTDICC200	PS027855.D	07 Oct 2024 11:12	AR\AJ	Ok,M
4	HSTDICC500	PS027856.D	07 Oct 2024 11:36	AR\AJ	Ok
5	HSTDICC750	PS027857.D	07 Oct 2024 12:00	AR\AJ	Ok
6	HSTDICC1000	PS027858.D	07 Oct 2024 12:23	AR\AJ	Ok,M
7	HSTDICC1500	PS027859.D	07 Oct 2024 12:47	AR\AJ	Ok
8	HSTDICV750	PS027860.D	07 Oct 2024 13:11	AR\AJ	Ok
9	I.BLK	PS027861.D	07 Oct 2024 13:38	AR\AJ	Ok
10	HSTDCCC750	PS027862.D	07 Oct 2024 14:02	AR\AJ	Ok
11	P4232-01RE	PS027863.D	07 Oct 2024 14:26	AR\AJ	Confirms
12	PB163901BL	PS027864.D	07 Oct 2024 14:50	AR\AJ	Ok
13	PB163901BS	PS027865.D	07 Oct 2024 15:48	AR\AJ	Ok,M
14	I.BLK	PS027866.D	07 Oct 2024 16:12	AR\AJ	Ok
15	HSTDCCC750	PS027867.D	07 Oct 2024 16:35	AR\AJ	Ok,M
16	PB163901BSD	PS027868.D	07 Oct 2024 16:59	AR\AJ	Ok,M
17	P4274-01	PS027869.D	07 Oct 2024 17:23	AR\AJ	Ok,M
18	P4285-03	PS027870.D	07 Oct 2024 17:47	AR\AJ	Ok,M
19	I.BLK	PS027871.D	07 Oct 2024 18:11	AR\AJ	Ok
20	HSTDCCC750	PS027872.D	07 Oct 2024 18:35	AR\AJ	Ok,M

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS101124

Review By	Abdul	Review On	10/14/2024 8:41:15 AM		
Supervise By	Ankita	Supervise On	10/14/2024 9:21:00 AM		
SubDirectory	PS101124	HP Acquire Method		HP Processing Method	ps100724 8151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	P23457,PP23458,PP23459,PP23460,PP23461,PP23462,PP23467,PP23468,PP23469
CCC	PP23462
Internal Standard/PEM	
ICV/I.BLK	PP23469
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PS027903.D	11 Oct 2024 09:49	AR\AJ	Ok
2	I.BLK	PS027904.D	11 Oct 2024 10:13	AR\AJ	Ok
3	HSTDCCC750	PS027905.D	11 Oct 2024 10:37	AR\AJ	Ok,M
4	PB164060BL	PS027906.D	11 Oct 2024 17:39	AR\AJ	Ok,M
5	PB164060BS	PS027907.D	11 Oct 2024 18:03	AR\AJ	Ok
6	P4258-03	PS027908.D	11 Oct 2024 18:27	AR\AJ	Ok,M
7	P4385-02	PS027909.D	11 Oct 2024 18:51	AR\AJ	Ok,M
8	P4385-02MS	PS027910.D	11 Oct 2024 19:15	AR\AJ	Ok,M
9	P4385-02MSD	PS027911.D	11 Oct 2024 19:39	AR\AJ	Ok,M
10	P4385-04	PS027912.D	11 Oct 2024 20:02	AR\AJ	Ok,M
11	P4385-06	PS027913.D	11 Oct 2024 20:26	AR\AJ	Ok,M
12	P4385-08	PS027914.D	11 Oct 2024 20:50	AR\AJ	Ok,M
13	I.BLK	PS027915.D	11 Oct 2024 21:14	AR\AJ	Ok
14	HSTDCCC750	PS027916.D	11 Oct 2024 21:38	AR\AJ	Ok,M

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS100724

Review By	Abdul	Review On	10/8/2024 8:26:19 AM		
Supervise By	Ankita	Supervise On	10/8/2024 9:52:35 AM		
SubDirectory	PS100724	HP Acquire Method		HP Processing Method	ps100724 8151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	P23457,PP23458,PP23459,PP23460,PP23461,PP23462,PP23467,PP23468,PP23469
CCC	PP23462
Internal Standard/PEM	
ICV/I.BLK	PP23469
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PS027853.D	07 Oct 2024 09:50		AR\AJ	Ok
2	I.BLK	I.BLK	PS027854.D	07 Oct 2024 10:14		AR\AJ	Ok
3	HSTDICC200	HSTDICC200	PS027855.D	07 Oct 2024 11:12		AR\AJ	Ok,M
4	HSTDICC500	HSTDICC500	PS027856.D	07 Oct 2024 11:36		AR\AJ	Ok
5	HSTDICC750	HSTDICC750	PS027857.D	07 Oct 2024 12:00		AR\AJ	Ok
6	HSTDICC1000	HSTDICC1000	PS027858.D	07 Oct 2024 12:23		AR\AJ	Ok,M
7	HSTDICC1500	HSTDICC1500	PS027859.D	07 Oct 2024 12:47		AR\AJ	Ok
8	HSTDICV750	ICVPS100724	PS027860.D	07 Oct 2024 13:11		AR\AJ	Ok
9	I.BLK	I.BLK	PS027861.D	07 Oct 2024 13:38		AR\AJ	Ok
10	HSTDCCC750	HSTDCCC750	PS027862.D	07 Oct 2024 14:02		AR\AJ	Ok
11	P4232-01RE	TP-RRE	PS027863.D	07 Oct 2024 14:26	2,4-DCAA low 2nd col	AR\AJ	Confirms
12	PB163901BL	PB163901BL	PS027864.D	07 Oct 2024 14:50		AR\AJ	Ok
13	PB163901BS	PB163901BS	PS027865.D	07 Oct 2024 15:48		AR\AJ	Ok,M
14	I.BLK	I.BLK	PS027866.D	07 Oct 2024 16:12		AR\AJ	Ok
15	HSTDCCC750	HSTDCCC750	PS027867.D	07 Oct 2024 16:35		AR\AJ	Ok,M
16	PB163901BSD	PB163901BSD	PS027868.D	07 Oct 2024 16:59		AR\AJ	Ok,M
17	P4274-01	222254	PS027869.D	07 Oct 2024 17:23		AR\AJ	Ok,M
18	P4285-03	WATER-TOTES	PS027870.D	07 Oct 2024 17:47		AR\AJ	Ok,M

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS100724

Review By	Abdul	Review On	10/8/2024 8:26:19 AM		
Supervise By	Ankita	Supervise On	10/8/2024 9:52:35 AM		
SubDirectory	PS100724	HP Acquire Method		HP Processing Method	ps100724 8151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	P23457,PP23458,PP23459,PP23460,PP23461,PP23462,PP23467,PP23468,PP23469
CCC	PP23462
Internal Standard/PEM	
ICV/I.BLK	PP23469
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	I.BLK	I.BLK	PS027871.D	07 Oct 2024 18:11		AR\AJ	Ok
20	HSTDCCC750	HSTDCCC750	PS027872.D	07 Oct 2024 18:35		AR\AJ	Ok,M

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS101124

Review By	Abdul	Review On	10/14/2024 8:41:15 AM		
Supervise By	Ankita	Supervise On	10/14/2024 9:21:00 AM		
SubDirectory	PS101124	HP Acquire Method		HP Processing Method	ps100724 8151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	P23457,PP23458,PP23459,PP23460,PP23461,PP23462,PP23467,PP23468,PP23469
CCC	PP23462
Internal Standard/PEM	
ICV/I.BLK	PP23469
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PS027903.D	11 Oct 2024 09:49		AR\AJ	Ok
2	I.BLK	I.BLK	PS027904.D	11 Oct 2024 10:13		AR\AJ	Ok
3	HSTDCCC750	HSTDCCC750	PS027905.D	11 Oct 2024 10:37		AR\AJ	Ok,M
4	PB164060BL	PB164060BL	PS027906.D	11 Oct 2024 17:39		AR\AJ	Ok,M
5	PB164060BS	PB164060BS	PS027907.D	11 Oct 2024 18:03		AR\AJ	Ok
6	P4258-03	Chamberlain Ave	PS027908.D	11 Oct 2024 18:27		AR\AJ	Ok,M
7	P4385-02	SP-1	PS027909.D	11 Oct 2024 18:51		AR\AJ	Ok,M
8	P4385-02MS	SP-1MS	PS027910.D	11 Oct 2024 19:15	Some compound recovery fail	AR\AJ	Ok,M
9	P4385-02MSD	SP-1MSD	PS027911.D	11 Oct 2024 19:39	Some compound recovery fail , RPD 2,4-DB is high	AR\AJ	Ok,M
10	P4385-04	SP-2	PS027912.D	11 Oct 2024 20:02		AR\AJ	Ok,M
11	P4385-06	SP-3	PS027913.D	11 Oct 2024 20:26		AR\AJ	Ok,M
12	P4385-08	SP-4	PS027914.D	11 Oct 2024 20:50		AR\AJ	Ok,M
13	I.BLK	I.BLK	PS027915.D	11 Oct 2024 21:14		AR\AJ	Ok
14	HSTDCCC750	HSTDCCC750	PS027916.D	11 Oct 2024 21:38		AR\AJ	Ok,M

M : Manual Integration

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EXTRACTION LOGPAGE

PB164060

12

SOP ID: M8151A-Herbicide-22

Clean Up SOP #: N/A

Matrix : Solid

Weigh By: EH

Balance check: RJ

Balance ID: EX-SC-2

pH Strip Lot#: E3574

Extraction By: RJ

Filter By: RJ

pH Meter ID: N/A

Hood ID: 3,4,7

Extraction Start Date : 10/11/2024

Extraction Start Time : 08:31

Extraction End Date : 10/11/2024

Extraction End Time : 16:30

Concentration By: EH

Supervisor By : rajesh

Extraction Method: ☐ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☑ Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	5/500 PPM	PP23699
Surrogate	1.0ML	5000 PPB	PP23665
LOD	0.2ML	5000 PPB	PP23699
LOD	0.3ML	5000 PPB	PP23699
LOQ	0.4ML	5000 PPB	PP23699

Chemical Used	ML/SAMPLE USED	Lot Number
MeCl2/Acetone/1:1	N/A	EP2538
Acidified Na2SO4	N/A	EP2503
Sand	N/A	E2865
HCL	N/A	M5892
DI WATER	N/A	N/A
37% KOH	N/A	EP2520
Methylene Chloride	N/A	E3803
1:3 SULPHURIC ACID	N/A	EP2528
Ether	N/A	E3370
ISO OCTANE	N/A	E3554
METHANOL	N/A	V14138
Diazomethane	N/A	EP2529
Hexane	N/A	E3796
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

pH adjusted with HCL <2 for soil Extraction, PH adjusted with 1:3 H2SO4 <2 after Hydrolysis, Derivatization procedure is completed and samples are ready to Analyze,40ML Vial Lot # 03-40 BTS721.

KD Bath ID: N/A

KD Bath Temperature: N/A

Envap ID: NE VAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/11/24	RP (Ext. Lab)	R. Pest/PCB Lab
16:35	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB164060

Analytical Method: M8151A-Herbicide-22

Concentration Date: 10/09/2024

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB164060BL	HBLK060	Herbicide	30.01	N/A	ritesh	Evelyn	10			U1-1
PB164060BS	HLCS060	Herbicide	30.02	N/A	ritesh	Evelyn	10			2
P4258-03	CHAMBERLAIN AVE	Herbicide	30.04	N/A	ritesh	Evelyn	10	A		3
P4368-01	LOD-MDL-SOIL-01-QT4-2024 0.2 ML	Herbicide	30.02	N/A	ritesh	Evelyn	10			4
P4368-02	LOQ-SOIL-02-QT4-2024 0.4 ML	Herbicide	30.01	N/A	ritesh	Evelyn	10			5
P4385-02	SP-1	Herbicide	30.06	N/A	ritesh	Evelyn	10	B		6
P4385-02MS	SP-1MS	Herbicide	30.08	N/A	ritesh	Evelyn	10	B		U7-1
P4385-02MSD	SP-1MSD	Herbicide	30.05	N/A	ritesh	Evelyn	10	B		2
P4385-04	SP-2	Herbicide	30.04	N/A	ritesh	Evelyn	10	B		3
P4385-06	SP-3	Herbicide	30.02	N/A	ritesh	Evelyn	10	B		4
P4385-08	SP-4	Herbicide	30.09	N/A	ritesh	Evelyn	10	B		5
P4385-10	SP-5	Herbicide	30.05	N/A	ritesh	Evelyn	10	B		6
P4385-12	SP-6	Herbicide	30.03	N/A	ritesh	Evelyn	10	B		U5-1
P4385-14	SP-7	Herbicide	30.08	N/A	ritesh	Evelyn	10	B		2
P4385-16	SP-8	Herbicide	30.07	N/A	ritesh	Evelyn	10	B		3
P4385-18	SP-9	Herbicide	30.03	N/A	ritesh	Evelyn	10	B		4
P4385-20	SP-10	Herbicide	30.06	N/A	ritesh	Evelyn	10	B		5
	LOQ 0.3 ML		30.00				10			6

* **Extracts relinquished on the same date as received.**

164060
9-31

WORKLIST(Hardcopy Internal Chain)

WorkList Name : P4258H **WorkList ID :** 184331 **Department :** Extraction **Date :** 10-11-2024 08:06:42

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4258-03	Chamberlain Ave	Solid	Herbicide	Cool 4 deg C	ROMA02	K21	10/01/2024	8151A
P4368-01	LOD-MDL-SOIL-01-QT4-2024	Solid	Herbicide	Cool 4 deg C	CHEM02	QA Of	10/09/2024	8151A
P4368-02	LOQ-SOIL-02-QT4-2024	Solid	Herbicide	Cool 4 deg C	CHEM02	QA Of	10/09/2024	8151A
P4385-02	SP-1	Solid	Herbicide	Cool 4 deg C	SCHE03	K51	10/10/2024	8151A
P4385-04	SP-2	Solid	Herbicide	Cool 4 deg C	SCHE03	K51	10/10/2024	8151A
P4385-06	SP-3	Solid	Herbicide	Cool 4 deg C	SCHE03	K51	10/10/2024	8151A
P4385-08	SP-4	Solid	Herbicide	Cool 4 deg C	SCHE03	K51	10/10/2024	8151A
P4385-10	SP-5	Solid	Herbicide	Cool 4 deg C	SCHE03	K51	10/10/2024	8151A
P4385-12	SP-6	Solid	Herbicide	Cool 4 deg C	SCHE03	K51	10/10/2024	8151A
P4385-14	SP-7	Solid	Herbicide	Cool 4 deg C	SCHE03	K51	10/10/2024	8151A
P4385-16	SP-8	Solid	Herbicide	Cool 4 deg C	SCHE03	K51	10/10/2024	8151A
P4385-18	SP-9	Solid	Herbicide	Cool 4 deg C	SCHE03	K51	10/10/2024	8151A
P4385-20	SP-10	Solid	Herbicide	Cool 4 deg C	SCHE03	K51	10/10/2024	8151A

Date/Time 10/11/24 8:25
Raw Sample Received by: RJ (Ext Lab)
Raw Sample Relinquished by: JD (SM)

Date/Time 10/11/24 8:55
Raw Sample Received by: JD (SM)
Raw Sample Relinquished by: RJ (Ext Lab)

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LAB CHRONICLE

OrderID:	P4258	**OrderDate:**	10/1/2024 1:21:00 PM
Client:	Roman E&G Corp	**Project:**	Perth Amboy
Contact:	Mark Mattheiss	**Location:**	H11,H51,K11,K21

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4258-03	**Chamberlain Ave**	**SOIL**			**10/01/24**			**10/01/24**
			Herbicide	8151A		10/11/24	10/11/24	
			PCB	8082A		10/02/24	10/02/24	
			Pesticide-TCL	8081B		10/11/24	10/11/24	
P4258-04	**Chamberlain Ave**	**TCLP**			**10/01/24**			**10/01/24**
			TCLP Herbicide	8151A		10/03/24	10/04/24	
			TCLP Pesticide	8081B		10/03/24	10/03/24	

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Hit Summary Sheet
SW-846

SDG No.: **Order ID:**

Client: **Project ID:**

Sample ID	Client ID	Parameter	Concentration	C	MDL	RDL	Units

Client ID :

Total Concentration:

SAMPLE DATA

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	Roman E&G Corp	Date Collected:	10/01/24
Project:	Perth Amboy	Date Received:	10/01/24
Client Sample ID:	Chamberlain Ave	SDG No.:	P4258
Lab Sample ID:	P4258-04	Matrix:	TCLP
Analytical Method:	SW8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	100 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS027835.D	1	10/03/24 12:00	10/04/24 01:22	PB163890

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	4.90	U	4.90	20.0	ug/L
93-72-1	2,4,5-TP (Silvex)	4.50	U	4.50	20.0	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	234		39 - 175	47%	SPK: 500

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Roman E&G Corp	Date Collected:	
Project:	Perth Amboy	Date Received:	10/03/24
Client Sample ID:	PB163851TB	SDG No.:	P4258
Lab Sample ID:	PB163851TB	Matrix:	TCLP
Analytical Method:	SW8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	100 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS027840.D	1	10/03/24 12:00	10/04/24 03:22	PB163890

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	4.90	U	4.90	20.0	ug/L
93-72-1	2,4,5-TP (Silvex)	4.50	U	4.50	20.0	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	397		39 - 175	79%	SPK: 500

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

QC SUMMARY

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Surrogate Summary

SDG No.: P4258

Client: Roman E&G Corp

Analytical Method: 8151A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PS027652.D	PIBLK-PS027652.D	2,4-DCAA	1	500	496	99		39	175
		2,4-DCAA	2	500	524	105		39	175
I.BLK-PS027827.D	PIBLK-PS027827.D	2,4-DCAA	1	500	533	107		39	175
		2,4-DCAA	2	500	542	108		39	175
P4258-04	Chamberlain Ave	2,4-DCAA	1	500	234	47		39	175
		2,4-DCAA	2	500	211	42		39	175
P4258-04MS	Chamberlain AveMS	2,4-DCAA	1	500	246	49		39	175
		2,4-DCAA	2	500	205	41		39	175
P4258-04MSD	Chamberlain AveMSD	2,4-DCAA	1	500	279	56		39	175
		2,4-DCAA	2	500	201	40		39	175
PB163890BL	PB163890BL	2,4-DCAA	1	500	520	104		39	175
		2,4-DCAA	2	500	526	105		39	175
PB163890BS	PB163890BS	2,4-DCAA	1	500	545	109		39	175
		2,4-DCAA	2	500	554	111		39	175
PB163851TB	PB163851TB	2,4-DCAA	1	500	397	79		39	175
		2,4-DCAA	2	500	343	69		39	175
I.BLK-PS027841.D	PIBLK-PS027841.D	2,4-DCAA	1	500	541	108		39	175
		2,4-DCAA	2	500	552	110		39	175

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4258

Client: Roman E&G Corp

Analytical Method: 8151A **DataFile :** PS027836.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Client Sample ID:	**Chamberlain AveMS**											
P4258-04MS	2,4-D	50	0	59.2	ug/L	118				65	135	
	2,4,5-TP(Silvex)	50	0	64.6	ug/L	129				62	139	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4258

Client: Roman E&G Corp

Analytical Method: 8151A **DataFile :** PS027837.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Client Sample ID:	**Chamberlain AveMSD**											
P4258-04MSD	2,4-D	50	0	59.4	ug/L	119		1		65	135	20
	2,4,5-TP(Silvex)	50	0	74.4	ug/L	149	*	14		62	139	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4258

Client: Roman E&G Corp

Analytical Method: 8151A **Datafile :** PS027839.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB163890BS	2,4-D	5	5.90	ug/L	118				83	130	
	2,4,5-TP(Silvex)	5	5.20	ug/L	104				78	127	

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4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB163890BL

Lab Name: CHEMTECH Contract: ROMA02

Lab Code: CHEM Case No.: P4258 SAS No.: P4258 SDG NO.: P4258

Lab Sample ID: PB163890BL Lab File ID: PS027838.D

Matrix: (soil/water) water Extraction: (Type)

Sulfur Cleanup: (Y/N) N Date Extracted: 10/03/2024

Date Analyzed (1): 10/04/2024 Date Analyzed (2): 10/04/2024

Time Analyzed (1): 02:34 Time Analyzed (2): 02:34

Instrument ID (1): ECD_S Instrument ID (2): ECD_S

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLP2 ID: 0.32 (mm)

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
Chamberlain Ave	P4258-04	PS027835.D	10/04/2024	10/04/2024
Chamberlain AveMS	P4258-04MS	PS027836.D	10/04/2024	10/04/2024
Chamberlain AveMSD	P4258-04MSD	PS027837.D	10/04/2024	10/04/2024
PB163890BS	PB163890BS	PS027839.D	10/04/2024	10/04/2024
PB163851TB	PB163851TB	PS027840.D	10/04/2024	10/04/2024

COMMENTS:

QC SAMPLE DATA

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Roman E&G Corp	Date Collected:	
Project:	Perth Amboy	Date Received:	
Client Sample ID:	PB163890BL	SDG No.:	P4258
Lab Sample ID:	PB163890BL	Matrix:	TCLP
Analytical Method:	SW8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS027838.D	1	10/03/24 12:00	10/04/24 02:34	PB163890

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	0.49	U	0.49	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.45	U	0.45	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	526		39 - 175	105%	SPK: 500

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
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B = Analyte Found in Associated Method Blank
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S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Roman E&G Corp	Date Collected:	09/12/24
Project:	Perth Amboy	Date Received:	09/12/24
Client Sample ID:	PIBLK-PS027652.D	SDG No.:	P4258
Lab Sample ID:	I.BLK-PS027652.D	Matrix:	TCLP
Analytical Method:	SW8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS027652.D	1		09/12/24	ps091224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	0.49	U	0.49	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.45	U	0.45	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	524		39 - 175	105%	SPK: 500

Comments:

U = Not Detected
LOQ = Limit of Quantitation
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D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Roman E&G Corp	Date Collected:	10/03/24
Project:	Perth Amboy	Date Received:	10/03/24
Client Sample ID:	PIBLK-PS027827.D	SDG No.:	P4258
Lab Sample ID:	I.BLK-PS027827.D	Matrix:	TCLP
Analytical Method:	SW8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS027827.D	1		10/03/24	PS100324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	0.49	U	0.49	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.45	U	0.45	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	542		39 - 175	108%	SPK: 500

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Roman E&G Corp	Date Collected:	10/04/24
Project:	Perth Amboy	Date Received:	10/04/24
Client Sample ID:	PIBLK-PS027841.D	SDG No.:	P4258
Lab Sample ID:	I.BLK-PS027841.D	Matrix:	TCLP
Analytical Method:	SW8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS027841.D	1		10/04/24	PS100324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	0.49	U	0.49	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.45	U	0.45	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	552		39 - 175	110%	SPK: 500

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
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P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Roman E&G Corp	Date Collected:	
Project:	Perth Amboy	Date Received:	
Client Sample ID:	PB163890BS	SDG No.:	P4258
Lab Sample ID:	PB163890BS	Matrix:	TCLP
Analytical Method:	SW8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS027839.D	1	10/03/24 12:00	10/04/24 02:58	PB163890

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	5.90		0.49	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	5.20		0.45	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	554		39 - 175	111%	SPK: 500

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Roman E&G Corp	Date Collected:	10/01/24
Project:	Perth Amboy	Date Received:	10/01/24
Client Sample ID:	Chamberlain AveMS	SDG No.:	P4258
Lab Sample ID:	P4258-04MS	Matrix:	TCLP
Analytical Method:	SW8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	100 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS027836.D	1	10/03/24 12:00	10/04/24 01:46	PB163890

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	59.2		4.90	20.0	ug/L
93-72-1	2,4,5-TP (Silvex)	64.6	P	4.50	20.0	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	246		39 - 175	49%	SPK: 500

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Roman E&G Corp	Date Collected:	10/01/24
Project:	Perth Amboy	Date Received:	10/01/24
Client Sample ID:	Chamberlain AveMSD	SDG No.:	P4258
Lab Sample ID:	P4258-04MSD	Matrix:	TCLP
Analytical Method:	SW8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	100 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS027837.D	1	10/03/24 12:00	10/04/24 02:10	PB163890

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	59.4		4.90	20.0	ug/L
93-72-1	2,4,5-TP (Silvex)	74.4	P	4.50	20.0	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	279		39 - 175	56%	SPK: 500

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

CALIBRATION SUMMARY

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Instrument ID: ECD_S **Calibration Date(s):** 09/12/2024 09/12/2024

Calibration Times: 21:24 22:59

GC Column: RTX-CLP ID: 0.32 (mm)

LAB FILE ID: RT 200 = PS027653.D RT 500 = PS027654.D

RT 750 = PS027655.D RT 1000 = PS027656.D RT 1500 = PS027657.D

COMPOUND	RT 200	RT 500	RT 750	RT 1000	RT 1500	MEAN RT	RT WINDOW FROM	RT WINDOW TO
2,4,5-TP(Silvex)	9.06	9.06	9.06	9.06	9.06	9.06	8.96	9.16
2,4-D	8.20	8.20	8.20	8.20	8.20	8.20	8.10	8.30
2,4-DCAA	7.11	7.11	7.11	7.11	7.11	7.11	7.01	7.21

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Instrument ID: ECD_S **Calibration Date(s):** 09/12/2024 09/12/2024

Calibration Times: 21:24 22:59

GC Column: RTX-CLP2 ID: 0.32 (mm)

LAB FILE ID: RT 200 = PS027653.D RT 500 = PS027654.D

RT 750 = PS027655.D RT 1000 = PS027656.D RT 1500 = PS027657.D

COMPOUND	RT 200	RT 500	RT 750	RT 1000	RT 1500	MEAN RT	RT WINDOW FROM	RT WINDOW TO
2,4,5-TP(Silvex)	9.75	9.76	9.76	9.76	9.76	9.75	9.65	9.85
2,4-D	8.86	8.86	8.86	8.86	8.86	8.86	8.76	8.96
2,4-DCAA	7.63	7.63	7.63	7.63	7.63	7.63	7.53	7.73

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Instrument ID: ECD_S **Calibration Date(s):** 09/12/2024 09/12/2024

Calibration Times: 21:24 22:59

GC Column: RTX-CLP **ID:** 0.32 **(mm)**

LAB FILE ID: **CF 200 =** PS027653.D **CF 500 =** PS027654.D

CF 750 = PS027655.D **CF 1000 =** PS027656.D **CF 1500 =** PS027657.D

COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-TP(Silvex)	16480400000	15003800000	14421200000	14173600000	13096000000	14635000000	8
2,4-D	3492740000	3113810000	2979600000	2958000000	2782030000	3065240000	9
2,4-DCAA	2882370000	2518620000	2408720000	2392240000	2215400000	2483470000	10

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Instrument ID: ECD_S **Calibration Date(s):** 09/12/2024 09/12/2024

Calibration Times: 21:24 22:59

GC Column: RTX-CLP2 **ID:** 0.32 (mm)

LAB FILE ID: **CF 200 =** PS027653.D **CF 500 =** PS027654.D

CF 750 = PS027655.D **CF 1000 =** PS027656.D **CF 1500 =** PS027657.D

COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-TP(Silvex)	5828170000	5909010000	6118970000	6127280000	5996050000	5995900000	2
2,4-D	1161930000	1098640000	1103250000	1118490000	1092760000	1115020000	3
2,4-DCAA	1082400000	978389000	981157000	972356000	940861000	991033000	5

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CALIBRATION VERIFICATION SUMMARY

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Continuing Calib Date: 10/03/2024 **Initial Calibration Date(s):** 09/12/2024 09/12/2024

Continuing Calib Time: 21:23 **Initial Calibration Time(s):** 21:24 22:59

GC Column: RTX-CLP **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
2,4-DCAA	7.10	7.11	7.01	7.21	0.01
2,4-D	8.19	8.20	8.10	8.30	0.01
2,4,5-TP(Silvex)	9.04	9.06	8.96	9.16	0.02

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CALIBRATION VERIFICATION SUMMARY

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Continuing Calib Date: 10/03/2024 **Initial Calibration Date(s):** 09/12/2024 09/12/2024

Continuing Calib Time: 21:23 **Initial Calibration Time(s):** 21:24 22:59

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
2,4-DCAA	7.62	7.63	7.53	7.73	0.01
2,4-D	8.85	8.86	8.76	8.96	0.01
2,4,5-TP(Silvex)	9.74	9.76	9.66	9.86	0.02

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CALIBRATION VERIFICATION SUMMARY

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 09/12/2024 09/12/2024

Client Sample No.: CCAL01 **Date Analyzed:** 10/03/2024

Lab Sample No.: HSTDCCC750 **Data File :** PS027828.D **Time Analyzed:** 21:23

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.039	8.956	9.156	740.020	712.500	3.9
2,4-D	8.186	8.101	8.301	712.760	705.000	1.1
2,4-DCAA	7.099	7.012	7.212	748.300	750.000	-0.2

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CALIBRATION VERIFICATION SUMMARY

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 09/12/2024 09/12/2024

Client Sample No.: CCAL01 **Date Analyzed:** 10/03/2024

Lab Sample No.: HSTDCCC750 **Data File :** PS027828.D **Time Analyzed:** 21:23

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.737	9.655	9.855	729.370	712.500	2.4
2,4-D	8.848	8.761	8.961	714.120	705.000	1.3
2,4-DCAA	7.622	7.533	7.733	754.600	750.000	0.6

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CALIBRATION VERIFICATION SUMMARY

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Continuing Calib Date: 10/04/2024 **Initial Calibration Date(s):** 09/12/2024 09/12/2024

Continuing Calib Time: 04:09 **Initial Calibration Time(s):** 21:24 22:59

GC Column: RTX-CLP **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
2,4-DCAA	7.10	7.11	7.01	7.21	0.01
2,4-D	8.19	8.20	8.10	8.30	0.01
2,4,5-TP(Silvex)	9.04	9.06	8.96	9.16	0.02

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CALIBRATION VERIFICATION SUMMARY

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Continuing Calib Date: 10/04/2024 **Initial Calibration Date(s):** 09/12/2024 09/12/2024

Continuing Calib Time: 04:09 **Initial Calibration Time(s):** 21:24 22:59

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
2,4-DCAA	7.62	7.63	7.53	7.73	0.01
2,4-D	8.85	8.86	8.76	8.96	0.01
2,4,5-TP(Silvex)	9.74	9.76	9.66	9.86	0.02

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CALIBRATION VERIFICATION SUMMARY

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 09/12/2024 09/12/2024

Client Sample No.: CCAL02 **Date Analyzed:** 10/04/2024

Lab Sample No.: HSTDCCC750 **Data File :** PS027842.D **Time Analyzed:** 04:09

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.037	8.956	9.156	726.660	712.500	2.0
2,4-D	8.185	8.101	8.301	694.740	705.000	-1.5
2,4-DCAA	7.098	7.012	7.212	754.310	750.000	0.6

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CALIBRATION VERIFICATION SUMMARY

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 09/12/2024 09/12/2024

Client Sample No.: CCAL02 **Date Analyzed:** 10/04/2024

Lab Sample No.: HSTDCCC750 **Data File :** PS027842.D **Time Analyzed:** 04:09

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.736	9.655	9.855	745.500	712.500	4.6
2,4-D	8.847	8.761	8.961	718.340	705.000	1.9
2,4-DCAA	7.621	7.533	7.733	758.460	750.000	1.1

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Analytical Sequence

Client: Roman E&G Corp **SDG No.:** P4258

Project: Perth Amboy **Instrument ID:** ECD_S

GC Column: RTX-CLP **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 09/12/2024 09/12/2024

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCAA RT #	RT #
I.BLK	I.BLK	09/12/2024	21:00	PS027652.D	7.11	0.00
HSTDICC200	HSTDICC200	09/12/2024	21:24	PS027653.D	7.11	0.00
HSTDICC500	HSTDICC500	09/12/2024	21:48	PS027654.D	7.11	0.00
HSTDICC750	HSTDICC750	09/12/2024	22:12	PS027655.D	7.11	0.00
HSTDICC1000	HSTDICC1000	09/12/2024	22:35	PS027656.D	7.11	0.00
HSTDICC1500	HSTDICC1500	09/12/2024	22:59	PS027657.D	7.11	0.00
I.BLK	I.BLK	10/03/2024	20:59	PS027827.D	7.10	0.00
HSTDCCC750	HSTDCCC750	10/03/2024	21:23	PS027828.D	7.10	0.00
Chamberlain Ave	P4258-04	10/04/2024	01:22	PS027835.D	7.10	0.00
Chamberlain AveMS	P4258-04MS	10/04/2024	01:46	PS027836.D	7.10	0.00
Chamberlain AveMSD	P4258-04MSD	10/04/2024	02:10	PS027837.D	7.10	0.00
PB163890BL	PB163890BL	10/04/2024	02:34	PS027838.D	7.10	0.00
PB163890BS	PB163890BS	10/04/2024	02:58	PS027839.D	7.10	0.00
PB163851TB	PB163851TB	10/04/2024	03:22	PS027840.D	7.10	0.00
I.BLK	I.BLK	10/04/2024	03:45	PS027841.D	7.10	0.00
HSTDCCC750	HSTDCCC750	10/04/2024	04:09	PS027842.D	7.10	0.00

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Analytical Sequence

Client: Roman E&G Corp **SDG No.:** P4258

Project: Perth Amboy **Instrument ID:** ECD_S

GC Column: RTX-CLP2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 09/12/2024 09/12/2024

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCAA RT #	RT #
I.BLK	I.BLK	09/12/2024	21:00	PS027652.D	7.63	0.00
HSTDICC200	HSTDICC200	09/12/2024	21:24	PS027653.D	7.63	0.00
HSTDICC500	HSTDICC500	09/12/2024	21:48	PS027654.D	7.63	0.00
HSTDICC750	HSTDICC750	09/12/2024	22:12	PS027655.D	7.63	0.00
HSTDICC1000	HSTDICC1000	09/12/2024	22:35	PS027656.D	7.63	0.00
HSTDICC1500	HSTDICC1500	09/12/2024	22:59	PS027657.D	7.63	0.00
I.BLK	I.BLK	10/03/2024	20:59	PS027827.D	7.62	0.00
HSTDCCC750	HSTDCCC750	10/03/2024	21:23	PS027828.D	7.62	0.00
Chamberlain Ave	P4258-04	10/04/2024	01:22	PS027835.D	7.62	0.00
Chamberlain AveMS	P4258-04MS	10/04/2024	01:46	PS027836.D	7.62	0.00
Chamberlain AveMSD	P4258-04MSD	10/04/2024	02:10	PS027837.D	7.62	0.00
PB163890BL	PB163890BL	10/04/2024	02:34	PS027838.D	7.62	0.00
PB163890BS	PB163890BS	10/04/2024	02:58	PS027839.D	7.62	0.00
PB163851TB	PB163851TB	10/04/2024	03:22	PS027840.D	7.62	0.00
I.BLK	I.BLK	10/04/2024	03:45	PS027841.D	7.62	0.00
HSTDCCC750	HSTDCCC750	10/04/2024	04:09	PS027842.D	7.62	0.00

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

Chamberlain AveMS

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Lab Sample ID: P4258-04MS **Date(s) Analyzed:** 10/04/2024 10/04/2024

Instrument ID (1): ECD_S **Instrument ID (2):** ECD_S

GC Column: (1): RTX-CLP **ID:** 0.32 (mm) **GC Column:(2):** RTX-CLP2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
2,4-D	1	8.18	8.13	8.23	51.9	13.1
	2	8.85	8.80	8.90	59.2	
2,4,5-TP(Silvex)	1	9.04	8.99	9.09	49.0	27.5
	2	9.74	9.69	9.79	64.6	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

Chamberlain AveMSD

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Lab Sample ID: P4258-04MSD **Date(s) Analyzed:** 10/04/2024 10/04/2024

Instrument ID (1): ECD_S **Instrument ID (2):** ECD_S

GC Column: (1): RTX-CLP **ID:** 0.32 (mm) **GC Column:(2):** RTX-CLP2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
2,4-D	1	8.19	8.14	8.24	53.3	10.8
	2	8.85	8.80	8.90	59.4	
2,4,5-TP(Silvex)	1	9.04	8.99	9.09	50.4	38.5
	2	9.74	9.69	9.79	74.4	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB163890BS

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Lab Sample ID: PB163890BS **Date(s) Analyzed:** 10/04/2024 10/04/2024

Instrument ID (1): ECD_S **Instrument ID (2):** ECD_S

GC Column: (1): RTX-CLP **ID:** 0.32 (mm) **GC Column:(2):** RTX-CLP2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
2,4-D	1	8.19	8.14	8.24	5.30	10.7
	2	8.85	8.80	8.90	5.90	
2,4,5-TP(Silvex)	1	9.04	8.99	9.09	5.20	3.9
	2	9.74	9.69	9.79	5.00	

SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS100324\
Data File : PS027835.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Oct 2024 01:22
Operator : AR\AJ
Sample : P4258-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
Chamberlain Ave

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/04/2024
Supervised By :Ankita Jodhani 10/04/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 04 05:41:17 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS091224.M
Quant Title : 8080.M
QLast Update : Sat Sep 14 02:36:56 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
4) S	2,4-DCAA	7.098	7.621	581.4E6	209.2E6	233.715	211.050m
	Target Compounds						
10) T	Pentachlo...	8.471	9.360	4545.6E6	1683.1E6	124.978	101.805

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

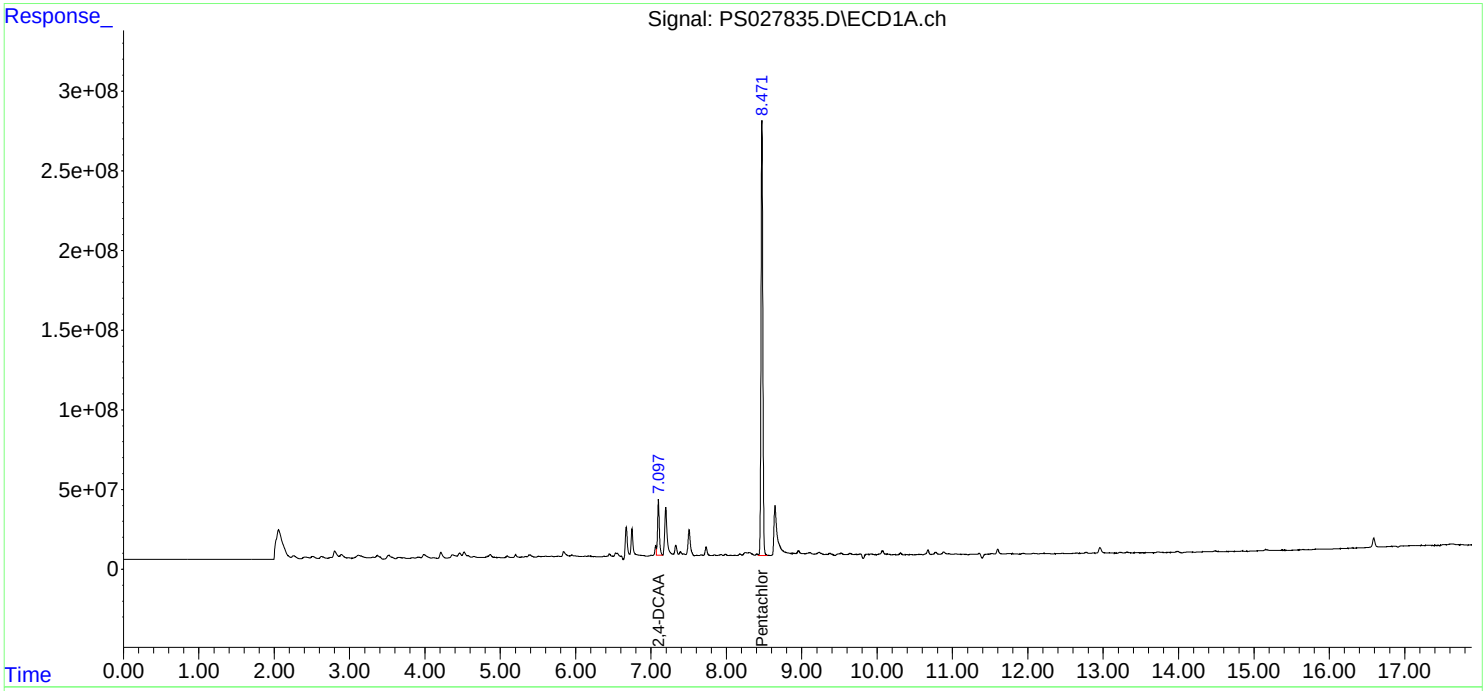
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS100324\
Data File : PS027835.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Oct 2024 01:22
Operator : AR\AJ
Sample : P4258-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

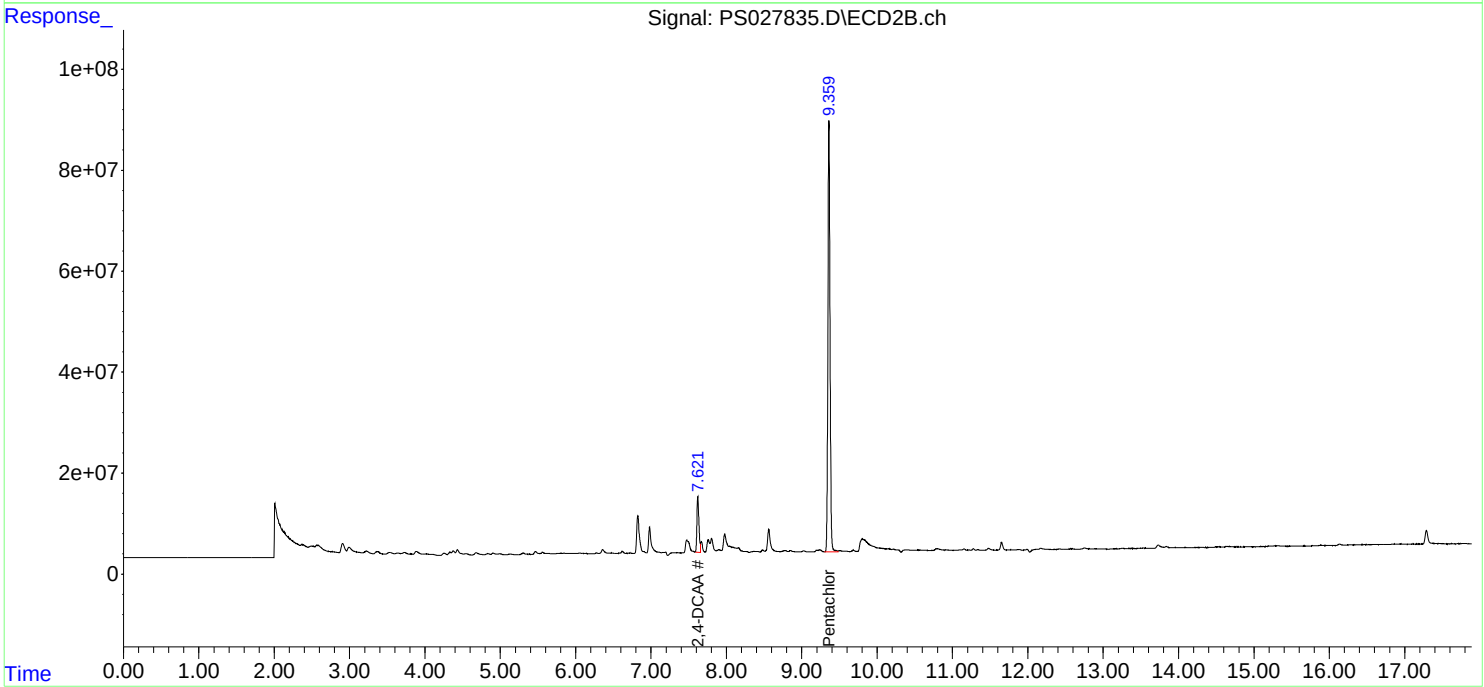
Instrument :
ECD_S
ClientSampleId :
Chamberlain Ave

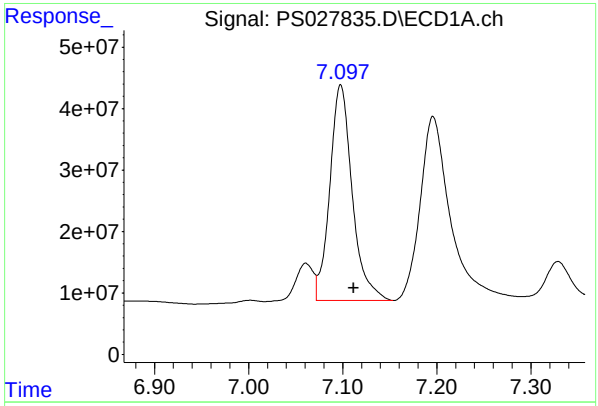
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 10/04/2024
Supervised By :Ankita Jodhani 10/04/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 04 05:41:17 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS091224.M
Quant Title : 8080.M
QLast Update : Sat Sep 14 02:36:56 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm







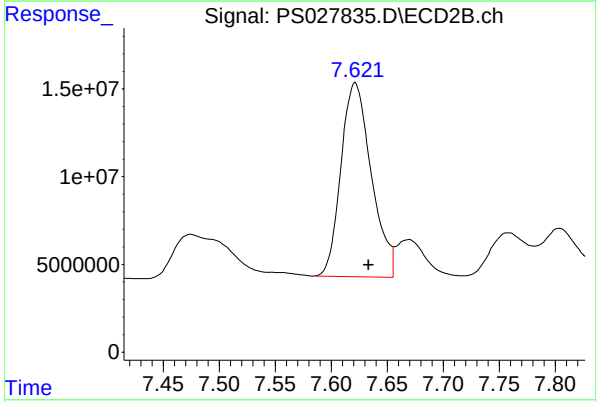
#4 2,4-DCAA

R.T.: 7.098 min
Delta R.T.: -0.014 min
Response: 581392090
Conc: 233.72 ng/ml

Instrument :
ECD_S
ClientSampleId :
Chamberlain Ave

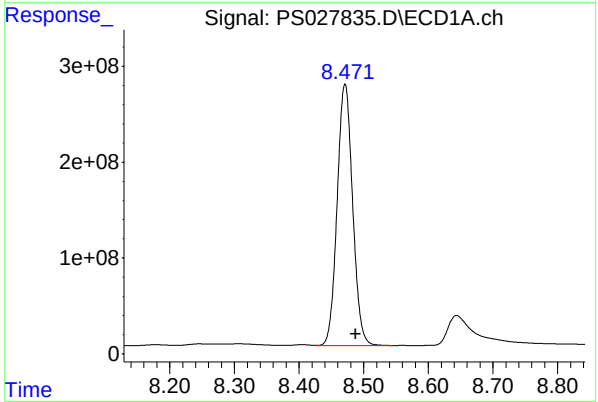
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/04/2024
Supervised By :Ankita Jodhani 10/04/2024



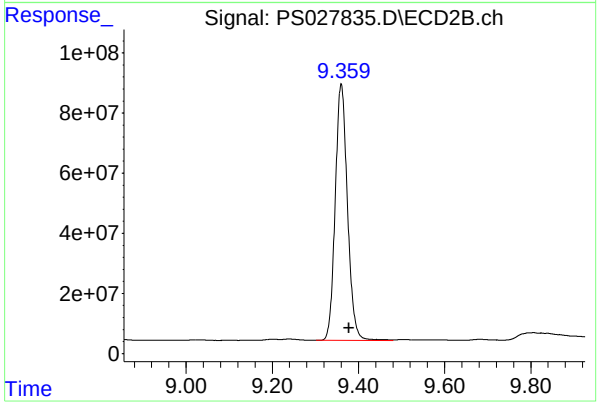
#4 2,4-DCAA

R.T.: 7.621 min
Delta R.T.: -0.012 min
Response: 209157794
Conc: 211.05 ng/ml m



#10 Pentachlorophenol

R.T.: 8.471 min
Delta R.T.: -0.016 min
Response: 4545583388
Conc: 124.98 ng/ml



#10 Pentachlorophenol

R.T.: 9.360 min
Delta R.T.: -0.018 min
Response: 1683082387
Conc: 101.81 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS100324\
Data File : PS027840.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Oct 2024 03:22
Operator : AR\AJ
Sample : PB163851TB
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB163851TB

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/04/2024
Supervised By :Ankita Jodhani 10/04/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 04 05:42:21 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS091224.M
Quant Title : 8080.M
QLast Update : Sat Sep 14 02:36:56 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
4) S	2,4-DCAA	7.098	7.621	987.7E6	339.5E6	397.063m	342.607
	Target Compounds						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS100324\
Data File : PS027840.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Oct 2024 03:22
Operator : AR\AJ
Sample : PB163851TB
Misc :
ALS Vial : 25 Sample Multiplier: 1

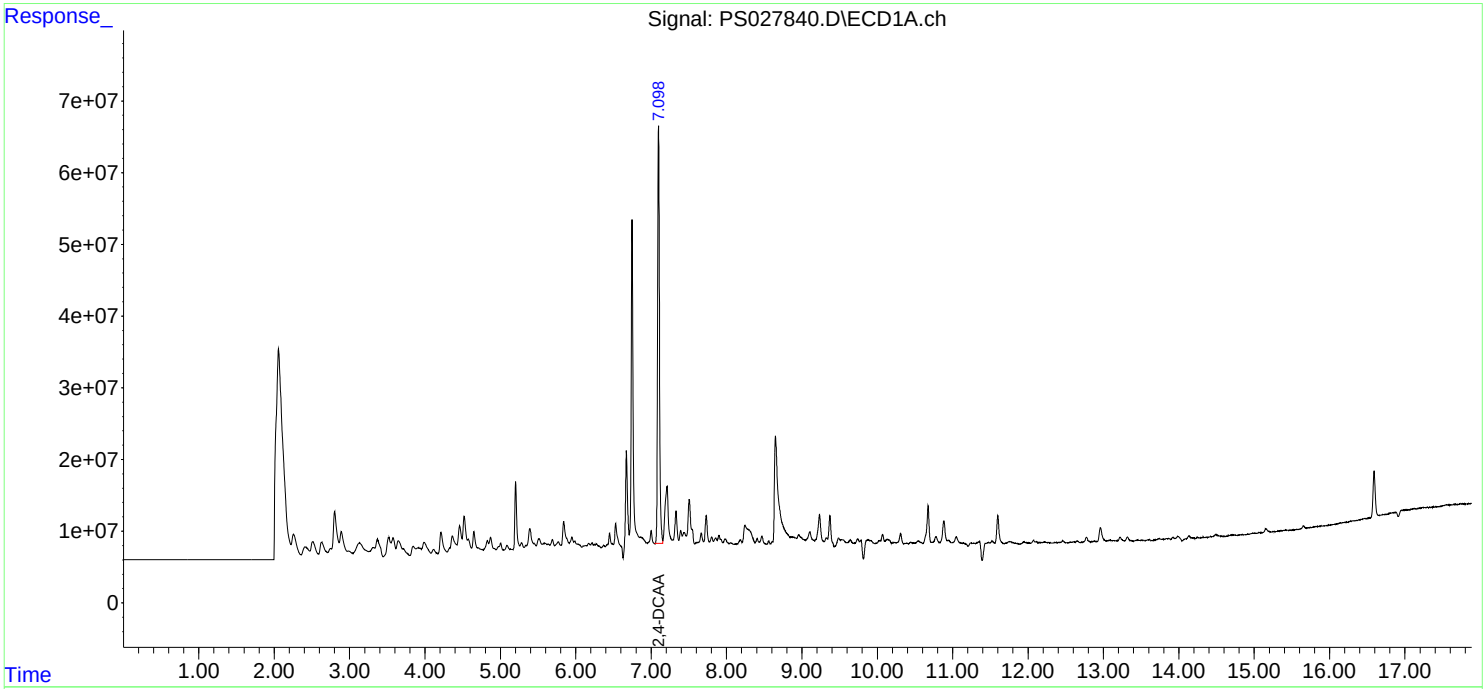
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 04 05:42:21 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS091224.M
Quant Title : 8080.M
QLast Update : Sat Sep 14 02:36:56 2024
Response via : Initial Calibration
Integrator: ChemStation

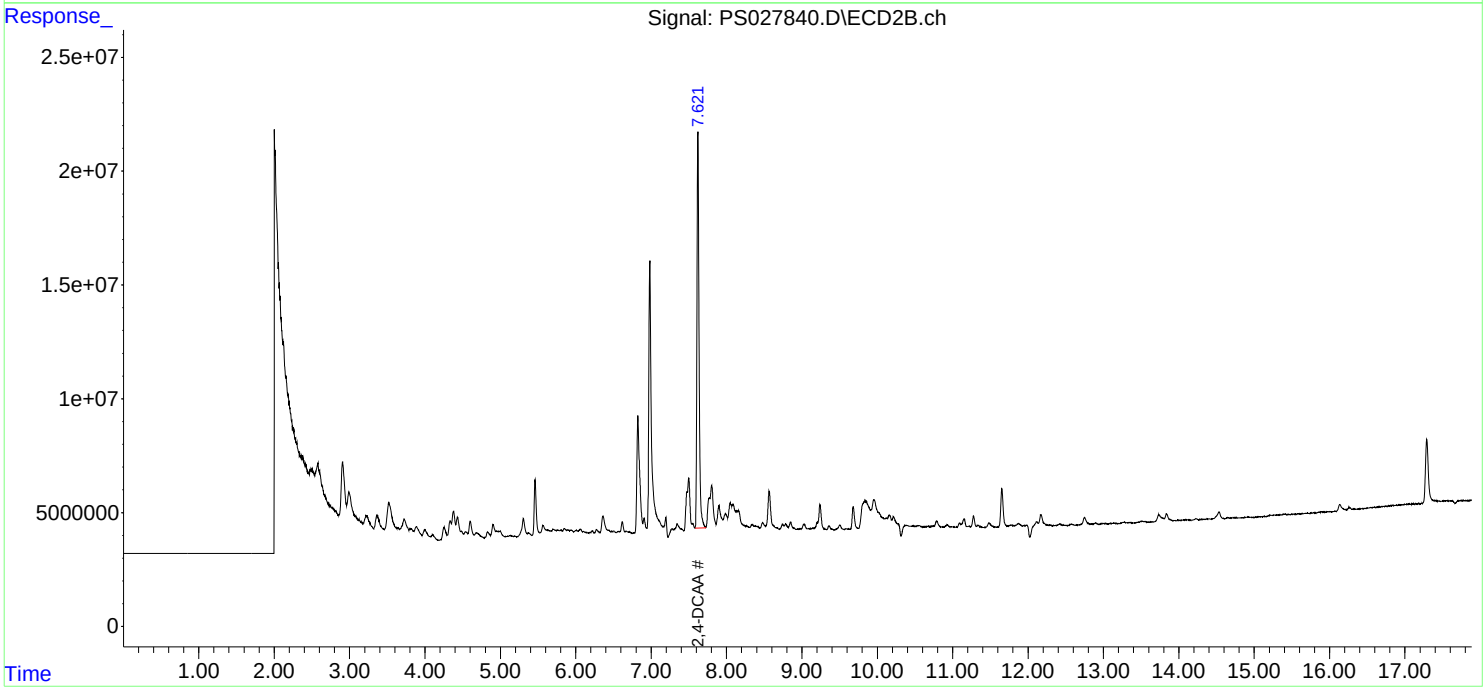
Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

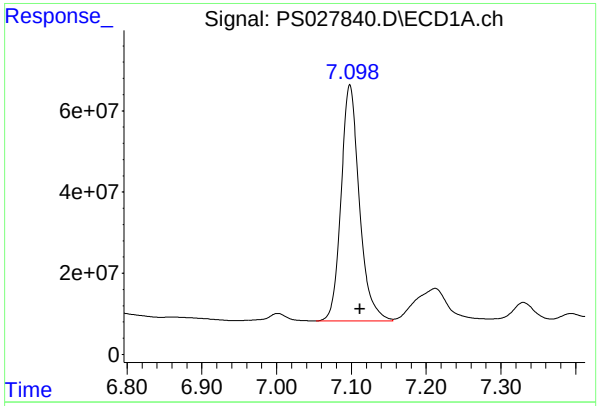
Instrument :
ECD_S
ClientSampleId :
PB163851TB

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/04/2024
Supervised By :Ankita Jodhani 10/04/2024







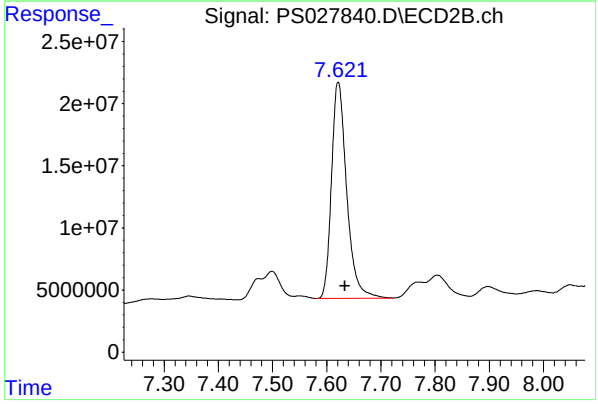
#4 2,4-DCAA

R.T.: 7.098 min
Delta R.T.: -0.014 min
Response: 987736466
Conc: 397.06 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB163851TB

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/04/2024
Supervised By :Ankita Jodhani 10/04/2024



#4 2,4-DCAA

R.T.: 7.621 min
Delta R.T.: -0.012 min
Response: 339535072
Conc: 342.61 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS100324\
Data File : PS027838.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Oct 2024 02:34
Operator : AR\AJ
Sample : PB163890BL
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB163890BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 04 05:41:56 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS091224.M
Quant Title : 8080.M
QLast Update : Sat Sep 14 02:36:56 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
4) S	2,4-DCAA	7.098	7.622	1292.5E6	521.3E6	519.566	526.041
	Target Compounds						

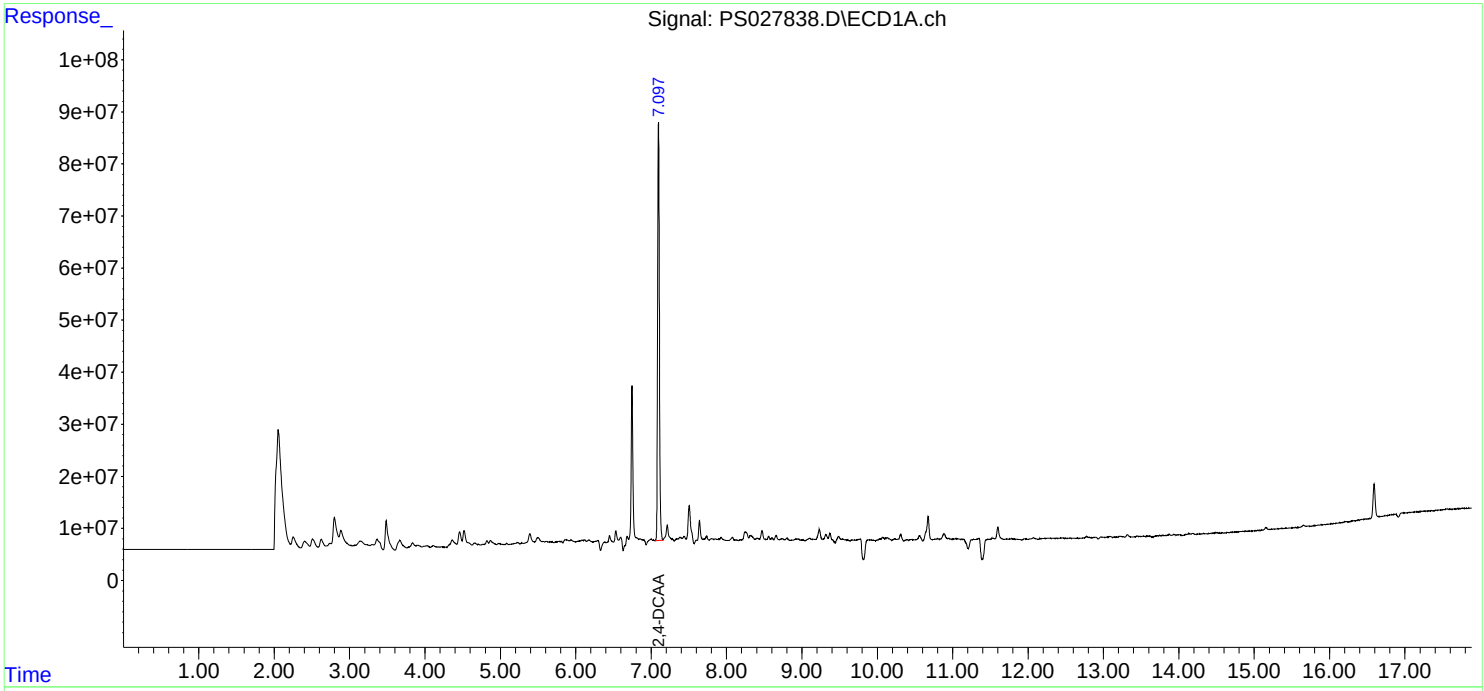
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

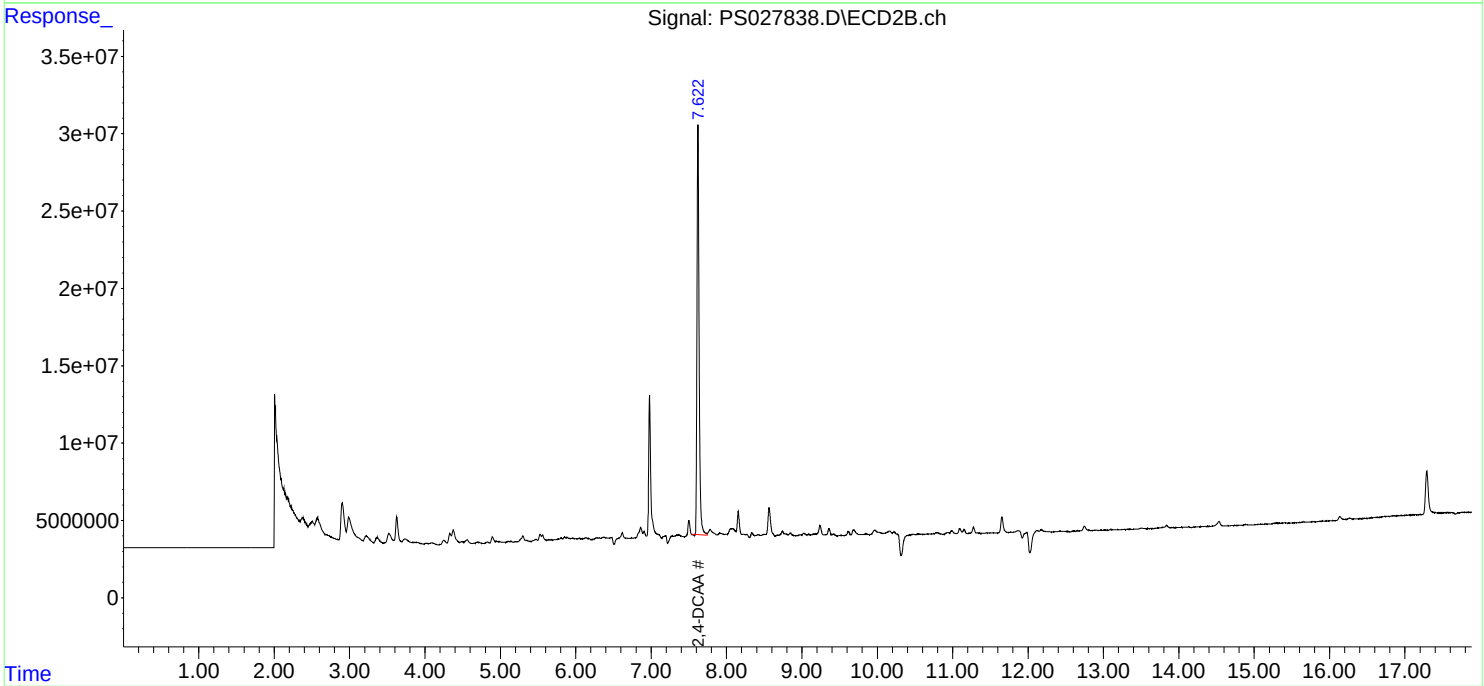
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS100324\
Data File : PS027838.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Oct 2024 02:34
Operator : AR\AJ
Sample : PB163890BL
Misc :
ALS Vial : 23 Sample Multiplier: 1

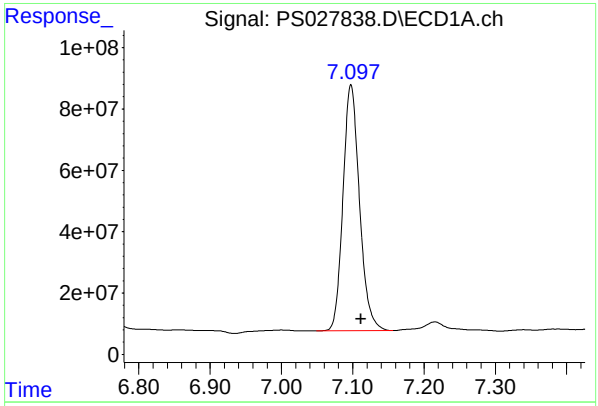
Instrument :
ECD_S
ClientSampleId :
PB163890BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 04 05:41:56 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS091224.M
Quant Title : 8080.M
QLast Update : Sat Sep 14 02:36:56 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



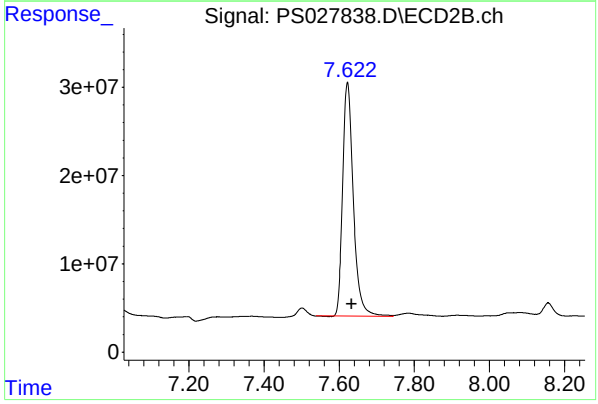




#4 2,4-DCAA

R.T.: 7.098 min
Delta R.T.: -0.014 min
Response: 1292475268
Conc: 519.57 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB163890BL



#4 2,4-DCAA

R.T.: 7.622 min
Delta R.T.: -0.011 min
Response: 521323811
Conc: 526.04 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS100324\
Data File : PS027839.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Oct 2024 02:58
Operator : AR\AJ
Sample : PB163890BS
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB163890BS

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 10/04/2024
Supervised By :Ankita Jodhani 10/04/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 04 07:13:32 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS091224.M
Quant Title : 8080.M
QLast Update : Sat Sep 14 02:36:56 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
4)	S	2,4-DCAA	7.098	7.622	1355.7E6	548.6E6	544.990	553.567m
		Target Compounds						
1)	T	Dalapon	2.549	2.614	1354.6E6	613.0E6	326.964m	375.652m
2)	T	3,5-DICHL...	6.289	6.593	1807.5E6	775.6E6	494.807	481.295
3)	T	4-Nitroph...	6.893	7.157	719.1E6	292.6E6	424.743	408.203
5)	T	DICAMBA	7.276	7.816	4897.3E6	2020.4E6	484.638m	458.517
6)	T	MCPP	7.454	7.917	321.5E6	156.9E6	46.643m	47.786
7)	T	MCPA	7.599	8.156	481.0E6	273.4E6	47.487	51.640
8)	T	DICHLORPROP	7.962	8.522	1347.6E6	616.3E6	508.344	551.674
9)	T	2,4-D	8.185	8.847	1623.3E6	661.7E6	529.583	593.481
10)	T	Pentachlo...	8.471	9.360	19174.1E6	8323.6E6	527.179	503.474
11)	T	2,4,5-TP ...	9.037	9.736	7625.1E6	3010.7E6	521.017	502.125m
12)	T	2,4,5-T	9.323	10.151	7076.6E6	2516.5E6	472.784	481.464
13)	T	2,4-DB	9.886	10.712	1056.4E6	284.5E6	454.888m	462.385m
14)	T	DINOSEB	11.060	11.086	4323.2E6	1798.0E6	442.004	427.535m
15)	T	Picloram	10.878	12.165	6833.8E6	1812.9E6	365.294	390.101
16)	T	DCPA	11.359	12.118	8263.1E6	3572.3E6	497.856	554.265

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

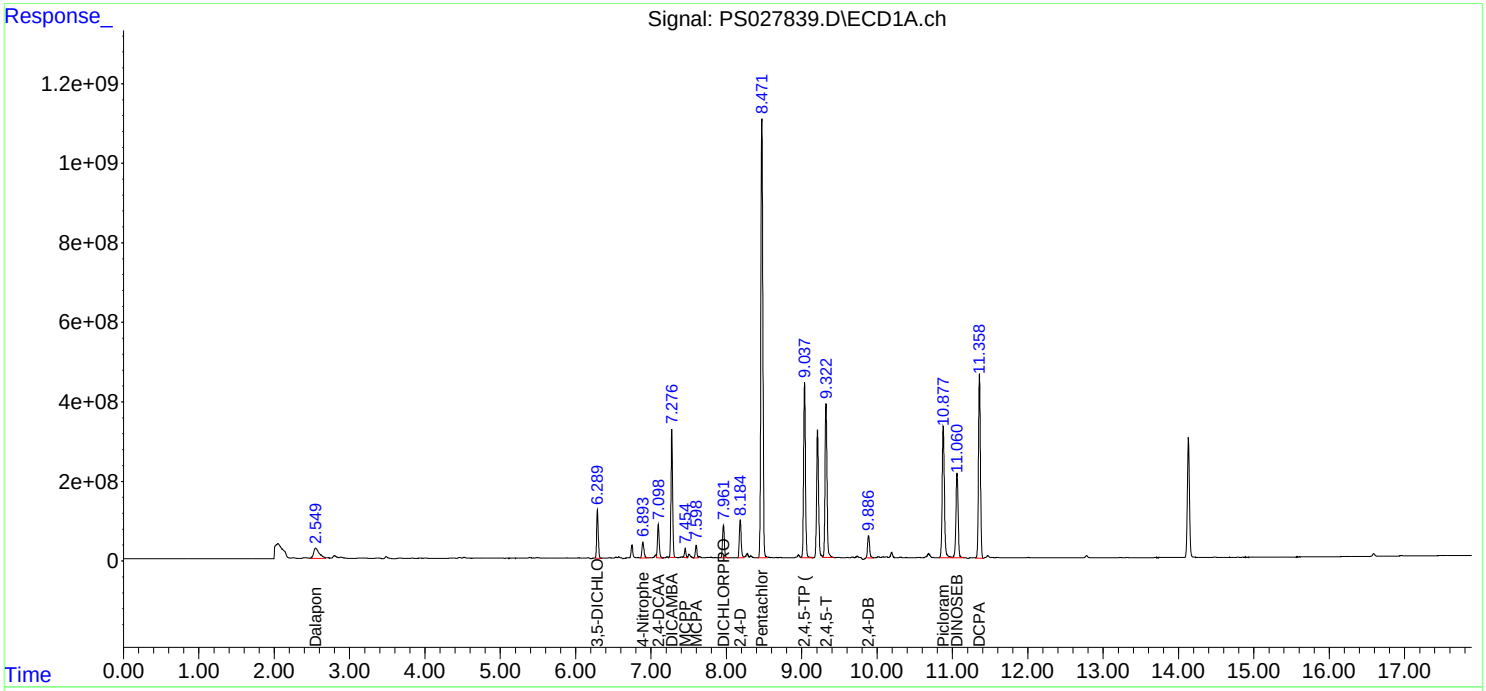
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS100324\
Data File : PS027839.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Oct 2024 02:58
Operator : AR\AJ
Sample : PB163890BS
Misc :
ALS Vial : 24 Sample Multiplier: 1

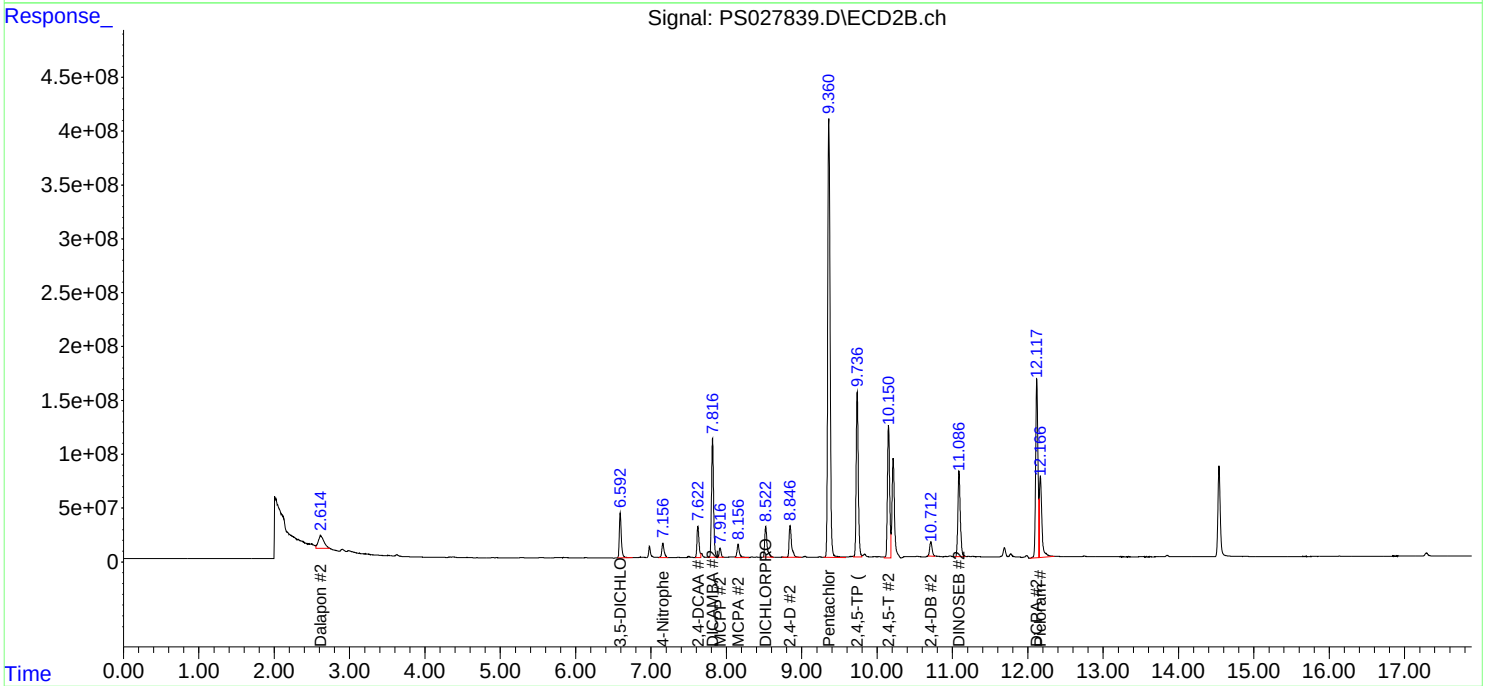
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 04 07:13:32 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS091224.M
Quant Title : 8080.M
QLast Update : Sat Sep 14 02:36:56 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

Instrument :
ECD_S
ClientSampleId :
PB163890BS

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 10/04/2024
Supervised By :Ankita Jodhani 10/04/2024





Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS100324\
Data File : PS027836.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Oct 2024 01:46
Operator : AR\AJ
Sample : P4258-04MS
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
Chamberlain AveMS

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/04/2024
Supervised By :Ankita Jodhani 10/04/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 04 07:12:23 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS091224.M
Quant Title : 8080.M
QLast Update : Sat Sep 14 02:36:56 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
4)	S	2,4-DCAA	7.098	7.622	611.4E6	202.8E6	245.772	204.664m
		Target Compounds						
1)	T	Dalapon	2.551	2.622	1459.8E6	538.7E6	352.351	330.138
2)	T	3,5-DICHL...	6.289	6.592	1352.6E6	569.8E6	370.290	353.629
5)	T	DICAMBA	7.276	7.816	4339.9E6	1883.5E6	429.473m	427.458
6)	T	MCPP	7.454	7.917	350.9E6	145.4E6	50.905m	44.305
7)	T	MCPA	7.598	8.156	441.4E6	229.7E6	43.570	43.392m
8)	T	DICHLORPROP	7.962	8.521	1240.2E6	569.6E6	467.838	509.819
9)	T	2,4-D	8.184	8.847	1591.8E6	659.9E6	519.316	591.808
10)	T	Pentachlo...	8.471	9.360	13051.0E6	5382.2E6	358.828	325.557
11)	T	2,4,5-TP ...	9.037	9.737	7177.6E6	3873.3E6	490.437	645.993 #
12)	T	2,4,5-T	9.322	10.151	7029.5E6	2600.4E6	469.640	497.509
13)	T	2,4-DB	9.885	10.712	1083.8E6	307.5E6	466.694	499.738
14)	T	DINOSEB	11.061	11.087	1594.0E6	641.0E6	162.972	152.411
15)	T	Picloram	10.877	12.165	7541.7E6	2216.5E6	403.135	476.949
16)	T	DCPA	11.359	12.119	8303.1E6	3262.3E6	500.268	506.172

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

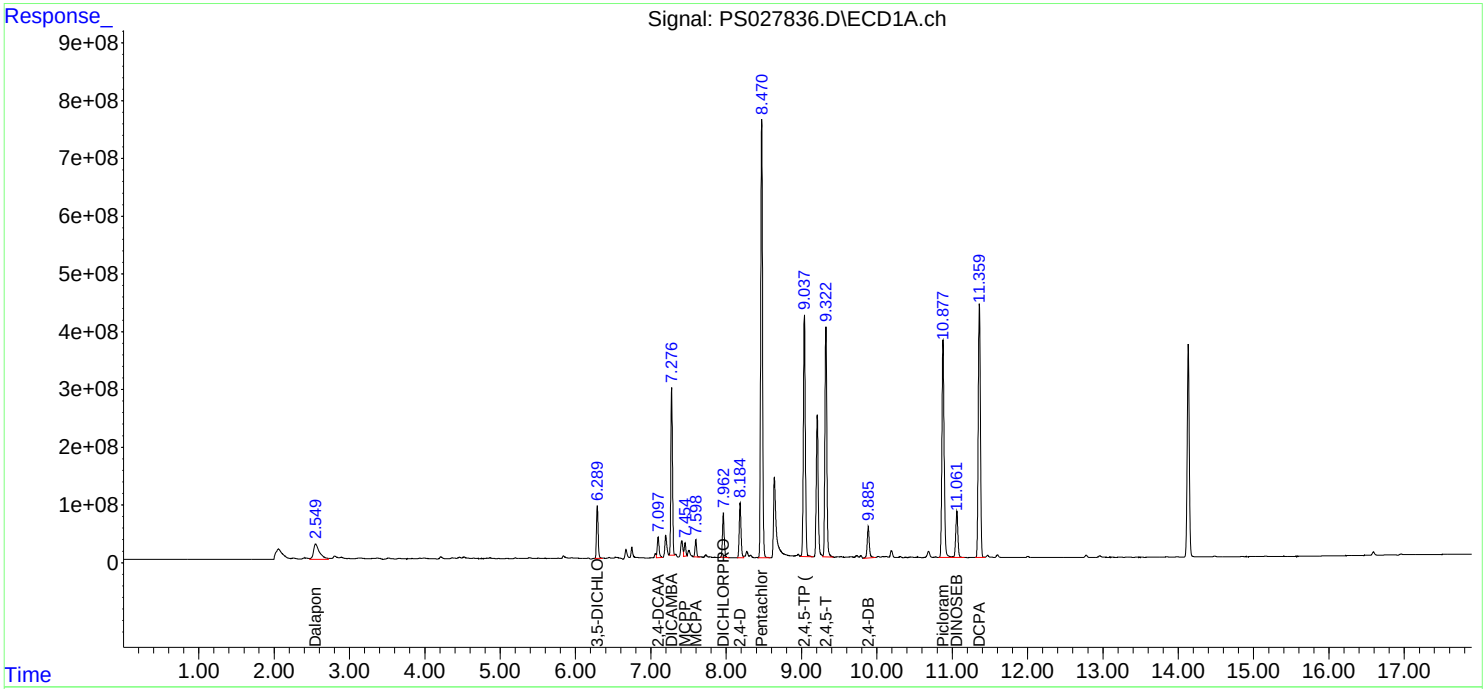
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS100324\
Data File : PS027836.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Oct 2024 01:46
Operator : AR\AJ
Sample : P4258-04MS
Misc :
ALS Vial : 21 Sample Multiplier: 1

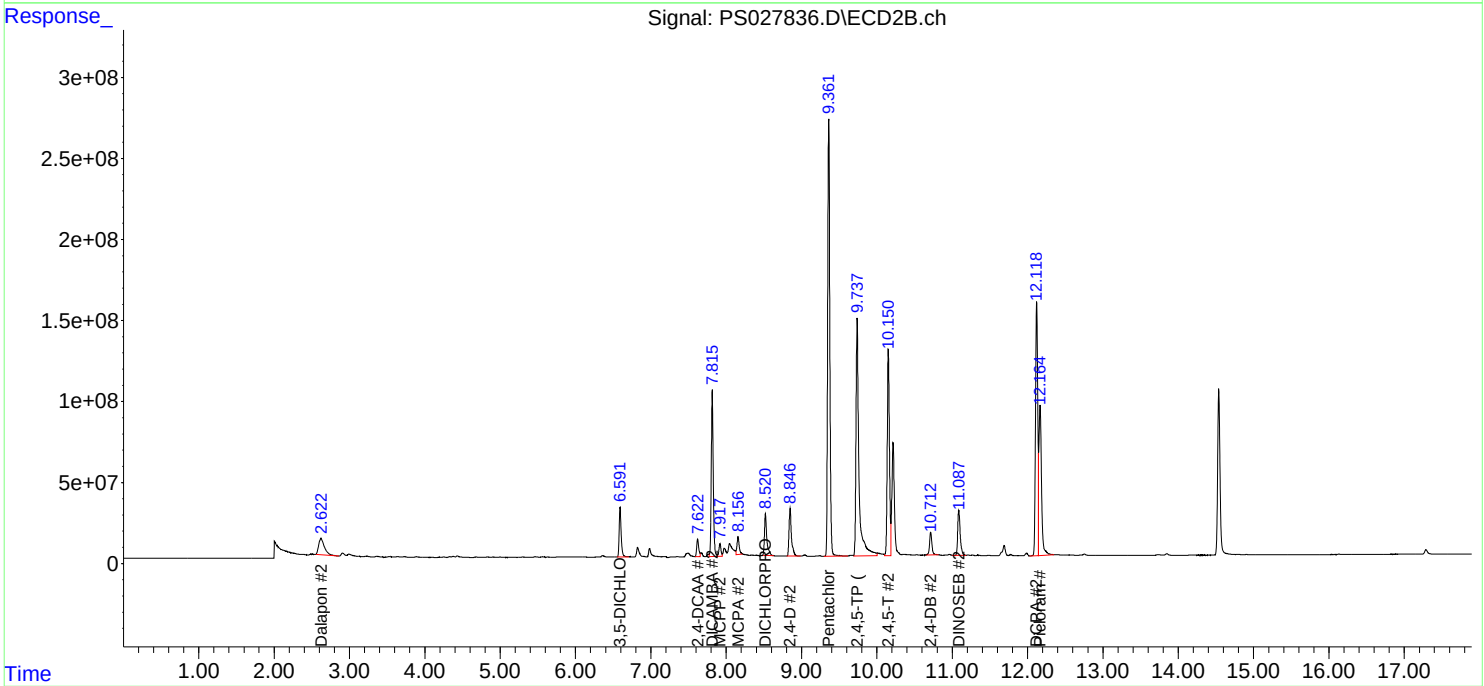
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 04 07:12:23 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS091224.M
Quant Title : 8080.M
QLast Update : Sat Sep 14 02:36:56 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

Instrument :
ECD_S
ClientSampleId :
Chamberlain AveMS

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 10/04/2024
Supervised By :Ankita Jodhani 10/04/2024





Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS100324\
Data File : PS027837.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Oct 2024 02:10
Operator : AR\AJ
Sample : P4258-04MSD
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
Chamberlain AveMSD

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 10/04/2024
Supervised By :Ankita Jodhani 10/04/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 04 07:12:58 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS091224.M
Quant Title : 8080.M
QLast Update : Sat Sep 14 02:36:56 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
4)	S	2,4-DCAA	7.098	7.622	694.5E6	199.6E6	279.193	201.425m#
		Target Compounds						
1)	T	Dalapon	2.548	2.619	1477.2E6	541.4E6	356.538	331.772
2)	T	3,5-DICHL...	6.289	6.593	1377.3E6	577.3E6	377.044	358.226
5)	T	DICAMBA	7.276	7.815	4409.9E6	1814.5E6	436.405m	411.796m
6)	T	MCPP	7.454	7.917	389.5E6	173.5E6	56.507m	52.852
7)	T	MCPA	7.599	8.155	457.1E6	263.7E6	45.125	49.811m
8)	T	DICHLORPROP	7.962	8.522	1270.9E6	555.5E6	479.424	497.216
9)	T	2,4-D	8.185	8.847	1635.2E6	662.8E6	533.478	594.448
10)	T	Pentachlo...	8.471	9.360	13312.7E6	5420.0E6	366.023	327.844
11)	T	2,4,5-TP ...	9.037	9.738	7368.7E6	4460.1E6	503.499	743.852 #
12)	T	2,4,5-T	9.322	10.151	7195.0E6	2653.3E6	480.698	507.630
13)	T	2,4-DB	9.886	10.712	1104.6E6	318.2E6	475.656	517.105
14)	T	DINOSEB	11.061	11.087	1654.8E6	657.2E6	169.184	156.265
15)	T	Picloram	10.878	12.165	7703.7E6	2234.3E6	411.792	480.773
16)	T	DCPA	11.360	12.119	8521.6E6	3439.0E6	513.428	533.577

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

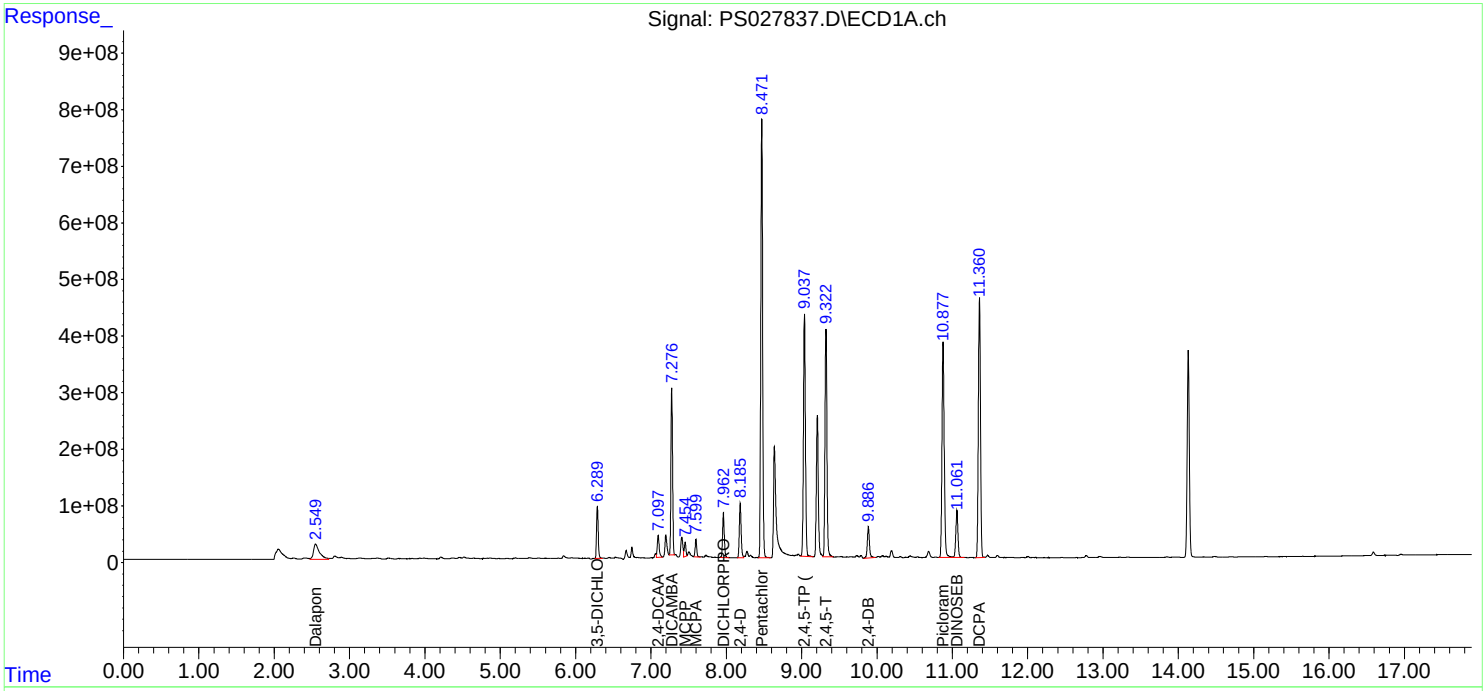
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS100324\
Data File : PS027837.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Oct 2024 02:10
Operator : AR\AJ
Sample : P4258-04MSD
Misc :
ALS Vial : 22 Sample Multiplier: 1

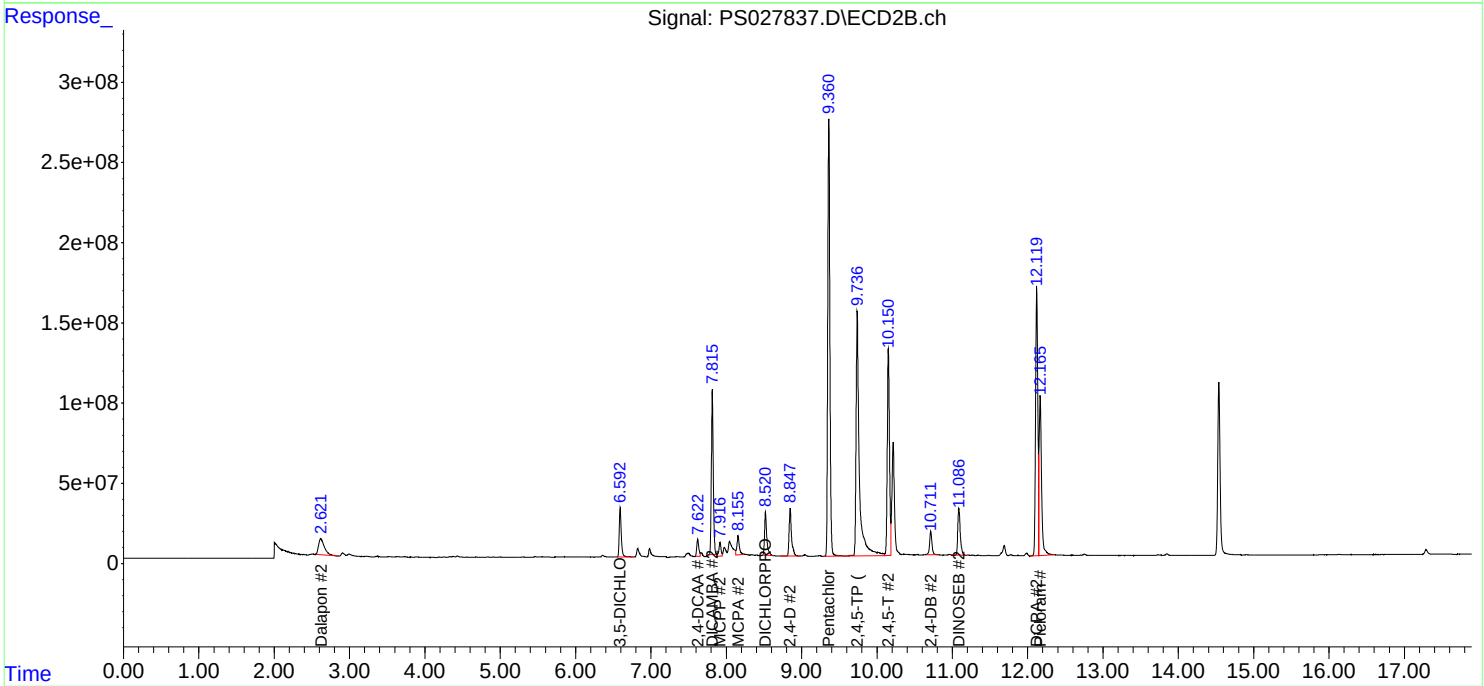
Instrument :
ECD_S
ClientSampleId :
Chamberlain AveMSD

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 10/04/2024
Supervised By :Ankita Jodhani 10/04/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 04 07:12:58 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS091224.M
Quant Title : 8080.M
QLast Update : Sat Sep 14 02:36:56 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





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

Manual Integration Report

Sequence:	ps091224	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDICC200	PS027653.D	2,4-DCAA	Abdul	9/15/2024 7:48:08 PM	Ankita	9/16/2024 10:13:46	Peak Integrated by Software
HSTDICV750	PS027658.D	2,4-DCAA #2	Abdul	9/15/2024 7:48:12 PM	Ankita	9/16/2024 10:13:48	Peak Integrated by Software

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Manual Integration Report

Sequence:	PS100324	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
I.BLK	PS027815.D	2,4-DCAA #2	Abdul	10/4/2024 9:07:49 AM	Ankita	10/4/2024 9:33:40	Peak Integrated by Software
HSTDCCC750	PS027828.D	2,4-DCAA #2	Abdul	10/4/2024 9:08:36 AM	Ankita	10/4/2024 9:34:25	Peak Integrated by Software
HSTDCCC750	PS027828.D	DCPA #2	Abdul	10/4/2024 9:08:36 AM	Ankita	10/4/2024 9:34:25	Peak Integrated by Software
HSTDCCC750	PS027828.D	DICAMBA	Abdul	10/4/2024 9:08:36 AM	Ankita	10/4/2024 9:34:25	Peak Integrated by Software
HSTDCCC750	PS027828.D	MCPP	Abdul	10/4/2024 9:08:36 AM	Ankita	10/4/2024 9:34:25	Peak Integrated by Software
P4258-04	PS027835.D	2,4-DCAA #2	Abdul	10/4/2024 9:09:09 AM	Ankita	10/4/2024 9:34:48	Peak Integrated by Software
P4258-04MS	PS027836.D	2,4-DCAA #2	Abdul	10/4/2024 9:09:13 AM	Ankita	10/4/2024 9:34:49	Peak Integrated by Software
P4258-04MS	PS027836.D	DICAMBA	Abdul	10/4/2024 9:09:13 AM	Ankita	10/4/2024 9:34:49	Peak Integrated by Software
P4258-04MS	PS027836.D	MCPA #2	Abdul	10/4/2024 9:09:13 AM	Ankita	10/4/2024 9:34:49	Peak Integrated by Software
P4258-04MS	PS027836.D	MCPP	Abdul	10/4/2024 9:09:13 AM	Ankita	10/4/2024 9:34:49	Peak Integrated by Software
P4258-04MSD	PS027837.D	2,4-DCAA #2	Abdul	10/4/2024 9:09:18 AM	Ankita	10/4/2024 9:34:51	Peak Integrated by Software
P4258-04MSD	PS027837.D	DICAMBA	Abdul	10/4/2024 9:09:18 AM	Ankita	10/4/2024 9:34:51	Peak Integrated by Software
P4258-04MSD	PS027837.D	DICAMBA #2	Abdul	10/4/2024 9:09:18 AM	Ankita	10/4/2024 9:34:51	Peak Integrated by Software

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Manual Integration Report

Sequence:	PS100324	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P4258-04MSD	PS027837.D	MCPA #2	Abdul	10/4/2024 9:09:18 AM	Ankita	10/4/2024 9:34:51	Peak Integrated by Software
P4258-04MSD	PS027837.D	MCPP	Abdul	10/4/2024 9:09:18 AM	Ankita	10/4/2024 9:34:51	Peak Integrated by Software
PB163890BS	PS027839.D	2,4,5-TP (SILVEX) #2	Abdul	10/4/2024 9:09:29 AM	Ankita	10/4/2024 9:34:53	Peak Integrated by Software
PB163890BS	PS027839.D	2,4-DB	Abdul	10/4/2024 9:09:29 AM	Ankita	10/4/2024 9:34:53	Peak Integrated by Software
PB163890BS	PS027839.D	2,4-DB #2	Abdul	10/4/2024 9:09:29 AM	Ankita	10/4/2024 9:34:53	Peak Integrated by Software
PB163890BS	PS027839.D	2,4-DCAA #2	Abdul	10/4/2024 9:09:29 AM	Ankita	10/4/2024 9:34:53	Peak Integrated by Software
PB163890BS	PS027839.D	Dalapon	Abdul	10/4/2024 9:09:29 AM	Ankita	10/4/2024 9:34:53	Peak Integrated by Software
PB163890BS	PS027839.D	Dalapon #2	Abdul	10/4/2024 9:09:29 AM	Ankita	10/4/2024 9:34:53	Peak Integrated by Software
PB163890BS	PS027839.D	DICAMBA	Abdul	10/4/2024 9:09:29 AM	Ankita	10/4/2024 9:34:53	Peak Integrated by Software
PB163890BS	PS027839.D	DINOSEB #2	Abdul	10/4/2024 9:09:29 AM	Ankita	10/4/2024 9:34:53	Peak Integrated by Software
PB163890BS	PS027839.D	MCPP	Abdul	10/4/2024 9:09:29 AM	Ankita	10/4/2024 9:34:53	Peak Integrated by Software
PB163851TB	PS027840.D	2,4-DCAA	Abdul	10/4/2024 9:09:33 AM	Ankita	10/4/2024 9:34:55	Peak Integrated by Software
I.BLK	PS027841.D	2,4-DCAA #2	Abdul	10/4/2024 9:09:37 AM	Ankita	10/4/2024 9:34:57	Peak Integrated by Software

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Manual Integration Report

Sequence:	PS100324	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDCCC750	PS027842.D	2,4-DCAA #2	Abdul	10/4/2024 9:09:41 AM	Ankita	10/4/2024 9:34:59	Peak Integrated by Software
HSTDCCC750	PS027842.D	DCPA #2	Abdul	10/4/2024 9:09:41 AM	Ankita	10/4/2024 9:34:59	Peak Integrated by Software
HSTDCCC750	PS027842.D	DICAMBA	Abdul	10/4/2024 9:09:41 AM	Ankita	10/4/2024 9:34:59	Peak Integrated by Software
HSTDCCC750	PS027842.D	MCPP	Abdul	10/4/2024 9:09:41 AM	Ankita	10/4/2024 9:34:59	Peak Integrated by Software
HSTDCCC750	PS027842.D	Picloram #2	Abdul	10/4/2024 9:09:41 AM	Ankita	10/4/2024 9:34:59	Peak Integrated by Software

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Fax : 908 789 8922

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS091224

Review By	Abdul	Review On	9/15/2024 7:48:35 PM		
Supervise By	Ankita	Supervise On	9/16/2024 10:13:53 AM		
SubDirectory	PS091224	HP Acquire Method		HP Processing Method	ps091224 8151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	P23457,PP23458,PP23459,PP23460,PP23461,PP23462,PP23467,PP23468,PP23469
CCC	PP23462
Internal Standard/PEM	
ICV/I.BLK	PP23469
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PS027651.D	12 Sep 2024 20:36	AR\AJ	Ok
2	I.BLK	PS027652.D	12 Sep 2024 21:00	AR\AJ	Ok
3	HSTDICC200	PS027653.D	12 Sep 2024 21:24	AR\AJ	Ok,M
4	HSTDICC500	PS027654.D	12 Sep 2024 21:48	AR\AJ	Ok
5	HSTDICC750	PS027655.D	12 Sep 2024 22:12	AR\AJ	Ok
6	HSTDICC1000	PS027656.D	12 Sep 2024 22:35	AR\AJ	Ok
7	HSTDICC1500	PS027657.D	12 Sep 2024 22:59	AR\AJ	Ok
8	HSTDICV750	PS027658.D	12 Sep 2024 23:23	AR\AJ	Ok,M
9	I.BLK	PS027659.D	12 Sep 2024 23:47	AR\AJ	Ok
10	HSTDCCC750	PS027660.D	13 Sep 2024 00:11	AR\AJ	Ok
11	P3845-17	PS027661.D	13 Sep 2024 00:35	AR\AJ	Ok
12	I.BLK	PS027662.D	13 Sep 2024 00:59	AR\AJ	Ok
13	HSTDCCC750	PS027663.D	13 Sep 2024 01:22	AR\AJ	Ok

M : Manual Integration

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

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS100324

Review By	Abdul	Review On	10/4/2024 9:10:14 AM		
Supervise By	Ankita	Supervise On	10/4/2024 9:35:20 AM		
SubDirectory	PS100324	HP Acquire Method		HP Processing Method	ps091224 8151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	P23457,PP23458,PP23459,PP23460,PP23461,PP23462,PP23467,PP23468,PP23469
CCC	PP23462
Internal Standard/PEM	
ICV/I.BLK	PP23469
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PS027814.D	03 Oct 2024 11:13	AR\AJ	Ok
2	I.BLK	PS027815.D	03 Oct 2024 11:37	AR\AJ	Ok,M
3	HSTDCCC750	PS027816.D	03 Oct 2024 12:01	AR\AJ	Ok
4	PB163866BL	PS027817.D	03 Oct 2024 17:01	AR\AJ	Ok
5	PB163866BS	PS027818.D	03 Oct 2024 17:25	AR\AJ	Ok,M
6	P4222-01	PS027819.D	03 Oct 2024 17:48	AR\AJ	Ok,M
7	P4222-01MS	PS027820.D	03 Oct 2024 18:12	AR\AJ	Ok,M
8	P4222-01MSD	PS027821.D	03 Oct 2024 18:36	AR\AJ	Ok,M
9	P4232-01	PS027822.D	03 Oct 2024 19:00	AR\AJ	ReRun
10	P4236-01	PS027823.D	03 Oct 2024 19:24	AR\AJ	Ok,M
11	P4236-05	PS027824.D	03 Oct 2024 19:48	AR\AJ	Ok,M
12	P4236-09	PS027825.D	03 Oct 2024 20:12	AR\AJ	Ok,M
13	P4236-13	PS027826.D	03 Oct 2024 20:36	AR\AJ	Ok,M
14	I.BLK	PS027827.D	03 Oct 2024 20:59	AR\AJ	Ok
15	HSTDCCC750	PS027828.D	03 Oct 2024 21:23	AR\AJ	Ok,M
16	P4276-01	PS027829.D	03 Oct 2024 22:59	AR\AJ	Ok,M
17	P4277-01	PS027830.D	03 Oct 2024 23:23	AR\AJ	Ok,M
18	P4242-01	PS027831.D	03 Oct 2024 23:47	AR\AJ	Ok,M
19	P4254-01	PS027832.D	04 Oct 2024 00:11	AR\AJ	Ok,M
20	P4270-01	PS027833.D	04 Oct 2024 00:34	AR\AJ	Ok,M
21	P4273-01	PS027834.D	04 Oct 2024 00:58	AR\AJ	Ok,M

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

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS100324

Review By	Abdul	Review On	10/4/2024 9:10:14 AM		
Supervise By	Ankita	Supervise On	10/4/2024 9:35:20 AM		
SubDirectory	PS100324	HP Acquire Method		HP Processing Method	ps091224 8151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	P23457,PP23458,PP23459,PP23460,PP23461,PP23462,PP23467,PP23468,PP23469
CCC	PP23462
Internal Standard/PEM	
ICV/I.BLK	PP23469
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4258-04	PS027835.D	04 Oct 2024 01:22	AR\AJ	Ok,M
23	P4258-04MS	PS027836.D	04 Oct 2024 01:46	AR\AJ	Ok,M
24	P4258-04MSD	PS027837.D	04 Oct 2024 02:10	AR\AJ	Ok,M
25	PB163890BL	PS027838.D	04 Oct 2024 02:34	AR\AJ	Ok
26	PB163890BS	PS027839.D	04 Oct 2024 02:58	AR\AJ	Ok,M
27	PB163851TB	PS027840.D	04 Oct 2024 03:22	AR\AJ	Ok,M
28	I.BLK	PS027841.D	04 Oct 2024 03:45	AR\AJ	Ok,M
29	HSTDCCC750	PS027842.D	04 Oct 2024 04:09	AR\AJ	Ok,M

M : Manual Integration

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

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS091224

Review By	Abdul	Review On	9/15/2024 7:48:35 PM		
Supervise By	Ankita	Supervise On	9/16/2024 10:13:53 AM		
SubDirectory	PS091224	HP Acquire Method		HP Processing Method	ps091224 8151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	P23457,PP23458,PP23459,PP23460,PP23461,PP23462,PP23467,PP23468,PP23469
CCC	PP23462
Internal Standard/PEM	
ICV/I.BLK	PP23469
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PS027651.D	12 Sep 2024 20:36		AR\AJ	Ok
2	I.BLK	I.BLK	PS027652.D	12 Sep 2024 21:00		AR\AJ	Ok
3	HSTDICC200	HSTDICC200	PS027653.D	12 Sep 2024 21:24		AR\AJ	Ok,M
4	HSTDICC500	HSTDICC500	PS027654.D	12 Sep 2024 21:48		AR\AJ	Ok
5	HSTDICC750	HSTDICC750	PS027655.D	12 Sep 2024 22:12		AR\AJ	Ok
6	HSTDICC1000	HSTDICC1000	PS027656.D	12 Sep 2024 22:35		AR\AJ	Ok
7	HSTDICC1500	HSTDICC1500	PS027657.D	12 Sep 2024 22:59		AR\AJ	Ok
8	HSTDICV750	ICVPS091224	PS027658.D	12 Sep 2024 23:23		AR\AJ	Ok,M
9	I.BLK	I.BLK	PS027659.D	12 Sep 2024 23:47		AR\AJ	Ok
10	HSTDCCC750	HSTDCCC750	PS027660.D	13 Sep 2024 00:11		AR\AJ	Ok
11	P3845-17	PT-HERB-WP	PS027661.D	13 Sep 2024 00:35	please check compound-6 & 7	AR\AJ	Ok
12	I.BLK	I.BLK	PS027662.D	13 Sep 2024 00:59		AR\AJ	Ok
13	HSTDCCC750	HSTDCCC750	PS027663.D	13 Sep 2024 01:22		AR\AJ	Ok

M : Manual Integration

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284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS100324

Review By	Abdul	Review On	10/4/2024 9:10:14 AM		
Supervise By	Ankita	Supervise On	10/4/2024 9:35:20 AM		
SubDirectory	PS100324	HP Acquire Method		HP Processing Method	ps091224 8151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	P23457,PP23458,PP23459,PP23460,PP23461,PP23462,PP23467,PP23468,PP23469
CCC	PP23462
Internal Standard/PEM	
ICV/I.BLK	PP23469
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PS027814.D	03 Oct 2024 11:13		AR\AJ	Ok
2	I.BLK	I.BLK	PS027815.D	03 Oct 2024 11:37		AR\AJ	Ok,M
3	HSTDCCC750	HSTDCCC750	PS027816.D	03 Oct 2024 12:01	CCC Fail for comp 15 PICLORAM	AR\AJ	Ok
4	PB163866BL	PB163866BL	PS027817.D	03 Oct 2024 17:01		AR\AJ	Ok
5	PB163866BS	PB163866BS	PS027818.D	03 Oct 2024 17:25	PICLORAM Recovery low	AR\AJ	Ok,M
6	P4222-01	TP-5	PS027819.D	03 Oct 2024 17:48		AR\AJ	Ok,M
7	P4222-01MS	TP-5MS	PS027820.D	03 Oct 2024 18:12	Some compound recovery fail	AR\AJ	Ok,M
8	P4222-01MSD	TP-5MSD	PS027821.D	03 Oct 2024 18:36	Some compound recovery fail	AR\AJ	Ok,M
9	P4232-01	TP-R	PS027822.D	03 Oct 2024 19:00	2,4-DCAA low	AR\AJ	ReRun
10	P4236-01	TP4	PS027823.D	03 Oct 2024 19:24		AR\AJ	Ok,M
11	P4236-05	TP3	PS027824.D	03 Oct 2024 19:48		AR\AJ	Ok,M
12	P4236-09	TP1	PS027825.D	03 Oct 2024 20:12		AR\AJ	Ok,M
13	P4236-13	TP2	PS027826.D	03 Oct 2024 20:36		AR\AJ	Ok,M
14	I.BLK	I.BLK	PS027827.D	03 Oct 2024 20:59		AR\AJ	Ok
15	HSTDCCC750	HSTDCCC750	PS027828.D	03 Oct 2024 21:23		AR\AJ	Ok,M
16	P4276-01	VNJ-208	PS027829.D	03 Oct 2024 22:59		AR\AJ	Ok,M
17	P4277-01	BU-03-10022024	PS027830.D	03 Oct 2024 23:23		AR\AJ	Ok,M

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS100324

Review By	Abdul	Review On	10/4/2024 9:10:14 AM		
Supervise By	Ankita	Supervise On	10/4/2024 9:35:20 AM		
SubDirectory	PS100324	HP Acquire Method		HP Processing Method	ps091224 8151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	P23457,PP23458,PP23459,PP23460,PP23461,PP23462,PP23467,PP23468,PP23469
CCC	PP23462
Internal Standard/PEM	
ICV/I.BLK	PP23469
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	P4242-01	TP-Q	PS027831.D	03 Oct 2024 23:47		AR\AJ	Ok,M
19	P4254-01	MH-147-SLUDGE	PS027832.D	04 Oct 2024 00:11		AR\AJ	Ok,M
20	P4270-01	IB-2	PS027833.D	04 Oct 2024 00:34		AR\AJ	Ok,M
21	P4273-01	AU-05-100224	PS027834.D	04 Oct 2024 00:58		AR\AJ	Ok,M
22	P4258-04	Chamberlain Ave	PS027835.D	04 Oct 2024 01:22		AR\AJ	Ok,M
23	P4258-04MS	Chamberlain AveMS	PS027836.D	04 Oct 2024 01:46	Some compound recovery fail	AR\AJ	Ok,M
24	P4258-04MSD	Chamberlain AveMSD	PS027837.D	04 Oct 2024 02:10	Some compound recovery fail	AR\AJ	Ok,M
25	PB163890BL	PB163890BL	PS027838.D	04 Oct 2024 02:34		AR\AJ	Ok
26	PB163890BS	PB163890BS	PS027839.D	04 Oct 2024 02:58		AR\AJ	Ok,M
27	PB163851TB	PB163851TB	PS027840.D	04 Oct 2024 03:22		AR\AJ	Ok,M
28	I.BLK	I.BLK	PS027841.D	04 Oct 2024 03:45		AR\AJ	Ok,M
29	HSTDCCC750	HSTDCCC750	PS027842.D	04 Oct 2024 04:09	CCC Fail for comp 15 PICLORAM	AR\AJ	Ok,M

M : Manual Integration

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB163851

SOP ID : M1311-TCLP-14

SDG No : N/A

Weigh By : JP

Balance ID : WC SC-4

pH Meter ID : WC PH METER-1

Extraction By : JP

Filter By : JP

Pippete ID : WC

Tumbler ID : T-1

TCLP Filter ID : 114771

Start Prep Date : 10/02/2024 **Time :** 17:35

End Prep Date : 10/03/2024 **Time :** 10:25

Combination Ratio : 20

ZHE Cleaning Batch : N/A

Initial Room Temperature: 23 °C

Final Room Temperature: 22 °C

TCLP Technician Signature : JP

Supervisor By : IZ

Standared Name	MLS USED	STD REF. # FROM LOG
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE U	Lot Number
TCLP-FLUID-1	N/A	WP108622
HCL-TCLP,1N	N/A	WP108584
HNO3-TCLP,1N	N/A	WP108585
pH Strips	N/A	W1931,W1934,W2350,W2755
pH Strips	N/A	W1937,W1938,W1939,W1940,W1941,W1942
1 Liter Amber	N/A	23091
120ml Plastic bottle	N/A	21029
1:1 HNO3	MP81119	N/A

Extraction Conformance/Non-Conformance Comments:

Matrix spikes are added after fiftation and before preservation. TUMBLER T-1 checked,30 rpm. p4276-02 is used for MS-MSD Particle size reduction is not required.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/03/24 11:00	JP / TCLP Room	JGP 10/3 IEXT
	Preparation Group	Analysis Group 10/4 DLS

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TCLP EXTRACTION LOGPAGE

PB163851

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
P4242-04	TP-Q	01	100.02	2000	N/A	N/A	N/A	5.6	1.5	T-1
P4254-04	MH-147-SLUDGE	02	100.03	2000	N/A	N/A	N/A	4.0	1.0	T-1
P4258-04	Chamberlain Ave	03	100.04	2000	N/A	N/A	N/A	5.6	1.5	T-1
P4270-04	IB-2	04	100.02	2000	N/A	N/A	N/A	5.8	1.0	T-1
P4276-02	VNJ-208	05	100.03	2000	N/A	N/A	N/A	7.2	1.5	T-1
PB163851TB	LEB851	06	N/A	2000	N/A	N/A	N/A	4.94	1.0	T-1

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TCLP Solid Determination

PB163851

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
P4242-04	TP-Q	N/A	N/A	N/A	N/A	100	N/A
P4254-04	MH-147-SLUDGE	N/A	N/A	N/A	N/A	100	N/A
P4258-04	Chamberlain Ave	N/A	N/A	N/A	N/A	100	N/A
P4270-04	IB-2	N/A	N/A	N/A	N/A	100	N/A
P4276-02	VNJ-208	N/A	N/A	N/A	N/A	100	N/A
PB163851TB	LEB851	N/A	N/A	N/A	N/A	N/A	N/A

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TCLP Fluid Determination

PB163851

Hot Block ID : WC S-1 /WC S-2

Thermometer ID : FLASHPOINT

SampleID	ClientID	Sample Weight (g)	Volume DI Water (mL)	PH after 5 min stir	PH after 10 min stir	Extraction Fluid 1 or 2	pH Extraction Fluid
P4242-04	TP-Q	5.02	96.5	7.6	2.0	#1	4.93
P4254-04	MH-147-SLUDGE	5.01	96.5	6.6	1.5	#1	4.93
P4258-04	Chamberlain Ave	5.03	96.5	7.6	2.0	#1	4.93
P4270-04	IB-2	5.02	96.5	8.4	3.0	#1	4.93
P4276-02	VNJ-208	5.02	96.5	9.0	4.0	#1	4.93
PB163851TB	LEB851	N/A	N/A	N/A	N/A	#1	4.93

WORKLIST(Hardcopy Internal Chain)

WorkList Name : tclp p4258 **WorkList ID :** 184036 **Department :** TCLP Extraction **Date :** 10-02-2024 09:43:17

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4242-04	TP-Q	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	J51	10/01/2024	1311
P4254-04	MH-147-SLUDGE	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	J51	10/01/2024	1311
P4258-04	Chamberlain Ave	Solid	TCLP Extraction	Cool 4 deg C	ROMA02	H11	10/01/2024	1311
P4270-04	IB-2	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	J51	10/02/2024	1311
P4276-02	VNJ-208	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	J53	10/02/2024	1311

Date/Time 10/02/24 16:30
Raw Sample Received by:
Raw Sample Relinquished by:

Date/Time 10/02/24 19:00
Raw Sample Received by:
Raw Sample Relinquished by:

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EXTRACTION LOGPAGE

PB163890

SOP ID:	M8151A-Herbicide-22				
Clean Up SOP #:	N/A			**Extraction Start Date :**	10/03/2024
Matrix :	Water			**Extraction Start Time :**	12:00
Weigh By:	N/A	**Extraction By:**	EH	**Extraction End Date :**	10/03/2024
Balance check:	N/A	**Filter By:**	RS	**Extraction End Time :**	17:00
Balance ID:	N/A	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	E3574	**Hood ID:**	4,7	**Supervisor By :**	rajesh

Extraction Method: [√] Seperatory Funnel [ ] Continious Liquid/Liquid [ ] Sonication [ ] Waste Dilution [ ] Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	5/500 PPM	PP23624
Surrogate	1.0ML	5000 PPB	PP23665
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Ether	N/A	E3370
Acidified Na2SO4	N/A	EP2503
12N H2SO4	N/A	EP2505
NAOH 6N	N/A	EP2491
ISO OCTANE	N/A	E3554
METHANOL	N/A	V14138
Diazomethane	N/A	EP2529
Hexane	N/A	E3805
NACL	N/A	M4459
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

pH Adjusted with 6N NaOH>12 prior to Hydrolysis, PH adjusted with cold 12N H2SO4<2 after Hydrolysis, Derivatization procedure is completed and samples are ready to Analyze, 40ml Vial Lot # 03-40BTS721.

KD Bath ID:	N/A	**Envap ID:**	NE VAP-02
KD Bath Temperature:	N/A	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/3/24	RP (EM. 2nd)	R. Patel - PCB Lab
17:05	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB163890

Analytical Method: M8151A-Herbicide-22 **Concentration Date:** 10/03/2024

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB163851TB	PB163851TB	TCLP Herbicide	100	6	Evelyn	RUPESH	10			SEP-7
PB163890BL	HBLK890	TCLP Herbicide	1000	6	Evelyn	RUPESH	10			8
PB163890BS	HLCS890	TCLP Herbicide	1000	6	Evelyn	RUPESH	10			9
P4258-04	CHAMBERLAIN AVE	TCLP Herbicide	100	6	Evelyn	RUPESH	10	A		10
P4258-04MS	CHAMBERLAIN AVEMS	TCLP Herbicide	100	6	Evelyn	RUPESH	10	A		11
P4258-04MSD	CHAMBERLAIN AVEMSD	TCLP Herbicide	100	6	Evelyn	RUPESH	10	A		12

* **Extracts relinquished on the same date as received.**

10/3/24

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB163851

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Po
P4242-04	TP-Q	01	100.02	2000	N/A	N/A	N/A	5.6	1.5	T-1
P4254-04	MH-147-SLUDGE	02	100.03	2000	N/A	N/A	N/A	4.0	1.0	T-1
P4258-04	Chamberlain Ave	03	100.04	2000	N/A	N/A	N/A	5.6	1.5	T-1
P4270-04	IB-2	04	100.02	2000	N/A	N/A	N/A	5.8	1.0	T-1
P4276-02	VNJ-208	05	100.03	2000	N/A	N/A	N/A	7.2	1.5	T-1
PB163851TB	LEB851	06	N/A	2000	N/A	N/A	N/A	4.94	1.0	T-1

10/03/24

77.0C

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

LAB CHRONICLE

OrderID:	P4258	**OrderDate:**	10/1/2024 1:21:00 PM
Client:	Roman E&G Corp	**Project:**	Perth Amboy
Contact:	Mark Mattheiss	**Location:**	H11,H51

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4258-04	**Chamberlain Ave**	**TCLP**			**10/01/24**			**10/01/24**
			TCLP Herbicide	8151A		10/03/24	10/04/24	
			TCLP Pesticide	8081B		10/03/24	10/03/24	

SAMPLE DATA

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

Report of Analysis

Client:	Roman E&G Corp	Date Collected:	10/01/24
Project:	Perth Amboy	Date Received:	10/01/24
Client Sample ID:	Chamberlain Ave	SDG No.:	P4258
Lab Sample ID:	P4258-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
10/11/24 08:00	10/12/24 0:35	PB164054

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.44	U	1	0.44	1.16	mg/kg	FC067415.D
Aliphatic C12-C16	Aliphatic C12-C16	0.28	U	1	0.28	0.77	mg/kg	FC067415.D
Aliphatic C16-C21	Aliphatic C16-C21	0.35	U	1	0.35	1.16	mg/kg	FC067415.D
Aliphatic C21-C28	Aliphatic C21-C28	0.93	U	1	0.93	1.55	mg/kg	FC067415.D
Aliphatic C28-C40	Aliphatic C28-C40	2.09	U	1	2.09	2.32	mg/kg	FC067415.D
Aromatic C10-C12	Aromatic C10-C12	0.35	U	1	0.35	0.77	mg/kg	FD048467.D
Aromatic C12-C16	Aromatic C12-C16	0.40	U	1	0.40	1.16	mg/kg	FD048467.D
Aromatic C16-C21	Aromatic C16-C21	1.11	U	1	1.11	1.94	mg/kg	FD048467.D
Aromatic C21-C36	Aromatic C21-C36	2.32	U	1	2.32	3.10	mg/kg	FD048467.D
Total AliphaticEPH	Total AliphaticEPH	4.09	U		4.09	6.96	mg/kg	
Total AromaticEPH	Total AromaticEPH	4.17	U		4.17	6.97	mg/kg	
Total EPH	Total EPH	8.26	U		8.26	13.9	mg/kg	

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Roman E&G Corp		Date Collected:	10/01/24	
Project:	Perth Amboy		Date Received:	10/01/24	
Client Sample ID:	Chamberlain Ave		SDG No.:	P4258	
Lab Sample ID:	P4258-03		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	86	
Sample Wt/Vol:	30.04	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC067415.D	1	10/11/24	10/12/24	PB164054

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12		0.44	U	0.44	1.16	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16		0.28	U	0.28	0.77	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21		0.35	U	0.35	1.16	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28		0.93	U	0.93	1.55	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		2.09	U	2.09	2.32	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		39.6		40 - 140	79%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		0.00		40 - 140	0%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4258-03	Acq On:	12 Oct 2024 00:35
Client Sample ID:	Chamberlain Ave	Operator:	YP/AJ
Data file:	FC067415.D	Misc:	
Instrument:	FID_C	ALS Vial:	24
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.175	6.457	56543	0.441	300	ug/ml
Aliphatic C12-C16	6.458	9.848	192435	1.469	200	ug/ml
Aliphatic C16-C21	9.849	13.207	0	0	300	ug/ml
Aliphatic C21-C28	13.208	16.862	155045	1.223	400	ug/ml
Aliphatic C28-C40	16.863	21.712	702470	6.676	600	ug/ml
Aliphatic EPH	3.175	21.712	1106493	9.809		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.942	12.942	4479449	39.57		ug/ml
Aliphatic C9-C28	3.175	16.862	404023	3.133	1200	ug/ml

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Fax : 908 789 8922

Report of Analysis

Client:	Roman E&G Corp		Date Collected:	10/01/24	
Project:	Perth Amboy		Date Received:	10/01/24	
Client Sample ID:	Chamberlain Ave		SDG No.:	P4258	
Lab Sample ID:	P4258-03		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	86	
Sample Wt/Vol:	30.04	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD048467.D	1	10/11/24	10/12/24	PB164054

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.35	U	0.35	0.77	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.40	U	0.40	1.16	mg/kg
Aromatic C16-C21	Aromatic C16-C21	1.11	U	1.11	1.94	mg/kg
Aromatic C21-C36	Aromatic C21-C36	2.32	U	2.32	3.10	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	50.6		40 - 140	101%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	51.2		40 - 140	102%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	32.6		40 - 140	65%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4258-03	Acq On:	12 Oct 2024 01:12
Client Sample ID:	Chamberlain Ave	Operator:	YP/AJ
Data file:	FD048467.D	Misc:	
Instrument:	FID_D	ALS Vial:	67
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.100	5.818	0	0	200	ug/ml
Aromatic C12-C16	5.819	8.425	0	0	300	ug/ml
Aromatic C16-C21	8.426	12.687	1082056	6.054	500	ug/ml
Aromatic C21-C36	12.688	18.089	1847690	11.174	800	ug/ml
Aromatic EPH	4.100	18.089	2929746	17.228		ug/ml
2-Bromonaphthalene (SURR)	7.379	7.379	8372339	50.57		ug/ml
2-Flurobiphenyl (SURR)	8.229	8.229	5312726	51.23		ug/ml
ortho-Terphenyl (SURR)	11.264	11.264	6002682	32.62		ug/ml

QC SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: ROMA02

Lab Code: CHEM CASE No.: P4258 SAS No.: P4258 SDG No.: P4258

Run Number: FC101124AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)			TOT OUT
Chamberlain Ave	79			0
Chamberlain AveMS	50			0
Chamberlain AveMSD	52			0
PB164054BL	74			0
PB164054BS	82			0
PB164054BSD	78			0

	QC LIMITS
1-chlorooctadecane (SURR)	(40-140)

Column to be used to flag recovery values
* Values outside of contract required QC Limits
D Surrogate diluted out

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SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: ROMA02

Lab Code: CHEM CASE No.: P4258 SAS No.: P4258 SDG No.: P4258

Run Number: FD101124AR

Client SAMPLE NO.	2-Bromonaphthalene (SURR)	2-Flurobiphenyl (SURR)	ortho-Terphenyl (SURR)	TOT OUT
Chamberlain Ave	101	102	65	0
Chamberlain AveMS	111	117	66	0
Chamberlain AveMSD	109	115	65	0
PB164054BL	114	120	93	0
PB164054BS	103	100	83	0
PB164054BSD	101	98	81	0

	QC LIMITS
2-Bromonaphthalene (SURR)	(40-140)
2-Flurobiphenyl (SURR)	(40-140)
ortho-Terphenyl (SURR)	(40-140)

Column to be used to flag recovery values
* Values outside of contract required QC Limits
D Surrogate diluted out

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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SOIL EPH SURROGATE RECOVERY

	QC LIMITS
2-Bromonaphthalene (SURR)	(40-140)
2-Flurobiphenyl (SURR)	(40-140)
ortho-Terphenyl (SURR)	(40-140)

Column to be used to flag recovery values
* Values outside of contract required QC Limits
D Surrogate diluted out

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SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Roman E&G Corp

Lab Code: CHEM **Cas No:** P4258 **SAS No :** P4258 **SDG No:** P4258

Sample No : P4258-03MS **Datafile:** FC067417.D

Client ID : Chamberlain AveMS

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aliphatic C9-C12	11.6	0	6.78	58		(40-140)
Aliphatic C12-C16	7.7	0	5.58	72		(40-140)
Aliphatic C16-C21	11.6	0	8.85	76		(40-140)
Aliphatic C21-C28	15.5	0	11.8	76		(40-140)
Aliphatic C28-C40	23.2	0	21.0	90		(40-140)

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Fax : 908 789 8922

SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Roman E&G Corp

Lab Code: CHEM **Cas No:** P4258 **SAS No :** P4258 **SDG No:** P4258

Sample No : P4258-03MSD **Datafile:** FC067418.D

Client ID : Chamberlain AveMSD

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	RPD |	QC LIMITS	QC Limit Of RPD
Aliphatic C9-C12	11.6	0	6.83	59		0.85 |	(40-140)	25
Aliphatic C12-C16	7.7	0	5.58	72		0.14 |	(40-140)	25
Aliphatic C16-C21	11.6	0	8.90	77		0.65 |	(40-140)	25
Aliphatic C21-C28	15.5	0	11.9	77		0.91 |	(40-140)	25
Aliphatic C28-C40	23.2	0	21.0	91		0.11 |	(40-140)	25

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Fax : 908 789 8922

SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Roman E&G Corp

Lab Code: CHEM **Cas No:** P4258 **SAS No :** P4258 **SDG No:** P4258

Sample No : P4258-03MS **Datafile:** FD048469.D

Client ID : Chamberlain AveMS

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aromatic C10-C12	7.7	0	6.55	85		(40-140)
Aromatic C12-C16	11.6	0	10.6	91		(40-140)
Aromatic C16-C21	19.3	0	20.9	108		(40-140)
Aromatic C21-C36	30.9	0	33.6	108		(40-140)

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Fax : 908 789 8922

SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Roman E&G Corp

Lab Code: CHEM **Cas No:** P4258 **SAS No :** P4258 **SDG No:** P4258

Sample No : P4258-03MSD **Datafile:** FD048470.D

Client ID : Chamberlain AveMSD

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	RPD |	QC LIMITS	QC Limit Of RPD
Aromatic C10-C12	7.7	0	6.05	78		7.85 |	(40-140)	25
Aromatic C12-C16	11.6	0	10.4	90		1.88 |	(40-140)	25
Aromatic C16-C21	19.3	0	20.5	106		1.87 |	(40-140)	25
Aromatic C21-C36	30.9	0	33.0	106		1.87 |	(40-140)	25

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SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Roman E&G Corp

Lab Code: CHEM **Cas No:** P4258 **SAS No :** P4258 **SDG No:** P4258

Sample No : PB164054BS **Datafile:** FC067410.D

Client ID : PB164054BS

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aliphatic C9-C12	10.0	5.95	60		(40-140)
Aliphatic C12-C16	6.7	5.05	76		(40-140)
Aliphatic C16-C21	10.0	7.93	79		(40-140)
Aliphatic C21-C28	13.3	10.6	80		(40-140)
Aliphatic C28-C40	20.0	15.4	77		(40-140)

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SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Roman E&G Corp

Lab Code: CHEM **Cas No:** P4258 **SAS No :** P4258 **SDG No:** P4258

Sample No : PB164054BSD **Datafile:** FC067411.D

Client ID : PB164054BSD

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD |	QC LIMITS	QC Limit Of RPD
Aliphatic C9-C12	10	5.97	60		0.43|	(40-140)	50
Aliphatic C12-C16	6.7	5.08	76		0.62|	(40-140)	50
Aliphatic C16-C21	10	7.94	80		0.22|	(40-140)	50
Aliphatic C21-C28	13.3	10.6	80		0.09|	(40-140)	50
Aliphatic C28-C40	20.0	15.5	78		0.74|	(40-140)	50

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SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Roman E&G Corp

Lab Code: CHEM **Cas No:** P4258 **SAS No :** P4258 **SDG No:** P4258

Sample No : PB164054BS **Datafile:** FD048462.D

Client ID : PB164054BS

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aromatic C10-C12	6.7	4.69	70		(40-140)
Aromatic C12-C16	10.0	7.59	76		(40-140)
Aromatic C16-C21	16.7	14.5	87		(40-140)
Aromatic C21-C36	26.7	21.9	82		(40-140)

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SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Roman E&G Corp

Lab Code: CHEM **Cas No:** P4258 **SAS No :** P4258 **SDG No:** P4258

Sample No : PB164054BSD **Datafile:** FD048463.D

Client ID : PB164054BSD

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD |	QC LIMITS	QC Limit Of RPD
Aromatic C10-C12	6.7	4.58	69		2.3|	(40-140)	50
Aromatic C12-C16	10	7.43	74		2|	(40-140)	50
Aromatic C16-C21	16.7	14.2	85		2|	(40-140)	50
Aromatic C21-C36	26.6	21.6	81		1.4|	(40-140)	50

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4B
METHOD BLANK SUMMARY

EPA SAMPLE NO.
PB164054BL

Lab Name: CHEMTECH Contract: ROMA02

Lab Code: CHEM Case No.: P4258 SAS No.: P4258 SDG NO.: P4258

Instrument ID: FID_C Lab Sample ID: PB164054BL

Matrix: (soil/water) Solid Date Extracted: 10/11/2024 8:20:00

Level: (low/med) low

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

EPA SAMPLE NO.	LAB SAMPLE ID
PB164054BS	PB164054BS
PB164054BSD	PB164054BSD
CHAMBERLAIN AVE	P4258-03
CHAMBERLAIN AVEMS	P4258-03MS
CHAMBERLAIN AVEMSD	P4258-03MSD

COMMENTS:

QC SAMPLE DATA

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Report of Analysis

Client:	Roman E&G Corp			Date Collected:	
Project:	Perth Amboy			Date Received:	
Client Sample ID:	PB164054BL			SDG No.:	P4258
Lab Sample ID:	PB164054BL			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	100
Sample Wt/Vol:	30.03	Units:	g	Final Vol:	2000 uL
Soil Aliquot Vol:			uL	Test:	EPH
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
10/11/24 08:20	10/11/24 20:55	PB164054

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.38	U	1	0.38	1.00	mg/kg	FC067409.D
Aliphatic C12-C16	Aliphatic C12-C16	0.24	U	1	0.24	0.67	mg/kg	FC067409.D
Aliphatic C16-C21	Aliphatic C16-C21	0.30	U	1	0.30	1.00	mg/kg	FC067409.D
Aliphatic C21-C28	Aliphatic C21-C28	0.80	U	1	0.80	1.33	mg/kg	FC067409.D
Aliphatic C28-C40	Aliphatic C28-C40	1.80	U	1	1.80	2.00	mg/kg	FC067409.D
Aromatic C10-C12	Aromatic C10-C12	0.30	U	1	0.30	0.67	mg/kg	FD048461.D
Aromatic C12-C16	Aromatic C12-C16	0.34	U	1	0.34	1.00	mg/kg	FD048461.D
Aromatic C16-C21	Aromatic C16-C21	0.96	U	1	0.96	1.67	mg/kg	FD048461.D
Aromatic C21-C36	Aromatic C21-C36	2.00	U	1	2.00	2.66	mg/kg	FD048461.D
Total AliphaticEPH	Total AliphaticEPH	3.52	U		3.52	5.99	mg/kg	
Total AromaticEPH	Total AromaticEPH	3.60	U		3.60	6.00	mg/kg	
Total EPH	Total EPH	7.12	U		7.12	12.0	mg/kg	

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Roman E&G Corp		Date Collected:		
Project:	Perth Amboy		Date Received:		
Client Sample ID:	PB164054BL		SDG No.:	P4258	
Lab Sample ID:	PB164054BL		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	100	
Sample Wt/Vol:	30.03	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC067409.D	1	10/11/24	10/11/24	PB164054

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12		0.38	U	0.38	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16		0.24	U	0.24	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21		0.30	U	0.30	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28		0.80	U	0.80	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		1.80	U	1.80	2.00	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		36.8		40 - 140	74%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		0.00		40 - 140	0%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB164054BL	Acq On:	11 Oct 2024 20:55
Client Sample ID:	PB164054BL	Operator:	YP/AJ
Data file:	FC067409.D	Misc:	
Instrument:	FID_C	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.175	6.457	0	0	300	ug/ml
Aliphatic C12-C16	6.458	9.848	0	0	200	ug/ml
Aliphatic C16-C21	9.849	13.207	0	0	300	ug/ml
Aliphatic C21-C28	13.208	16.862	0	0	400	ug/ml
Aliphatic C28-C40	16.863	21.712	0	0	600	ug/ml
Aliphatic EPH	3.175	21.712	0	0		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.943	12.943	4160735	36.76		ug/ml
Aliphatic C9-C28	3.175	16.862	0	0	1200	ug/ml

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Report of Analysis

Client:	Roman E&G Corp			Date Collected:	
Project:	Perth Amboy			Date Received:	
Client Sample ID:	PB164054BL			SDG No.:	P4258
Lab Sample ID:	PB164054BL			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	100
Sample Wt/Vol:	30.03	Units:	g	Final Vol:	2000 uL
Soil Aliquot Vol:			uL	Test:	EPH
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD048461.D	1	10/11/24	10/11/24	PB164054

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.30	U	0.30	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.34	U	0.34	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	0.96	U	0.96	1.67	mg/kg
Aromatic C21-C36	Aromatic C21-C36	2.00	U	2.00	2.66	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	57.0		40 - 140	114%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	60.1		40 - 140	120%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	46.4		40 - 140	93%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB164054BL	Acq On:	11 Oct 2024 21:31
Client Sample ID:	PB164054BL	Operator:	YP/AJ
Data file:	FD048461.D	Misc:	
Instrument:	FID_D	ALS Vial:	61
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.100	5.818	0	0	200	ug/ml
Aromatic C12-C16	5.819	8.425	0	0	300	ug/ml
Aromatic C16-C21	8.426	12.687	0	0	500	ug/ml
Aromatic C21-C36	12.688	18.089	0	0	800	ug/ml
Aromatic EPH	4.100	18.089	0	0		ug/ml
2-Bromonaphthalene (SURR)	7.379	7.379	9429559	56.95		ug/ml
2-Flurobiphenyl (SURR)	8.229	8.229	6231461	60.09		ug/ml
ortho-Terphenyl (SURR)	11.265	11.265	8536307	46.39		ug/ml

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Report of Analysis

Client:	Roman E&G Corp		Date Collected:		
Project:	Perth Amboy		Date Received:		
Client Sample ID:	PB164054BS		SDG No.:	P4258	
Lab Sample ID:	PB164054BS		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	100	
Sample Wt/Vol:	30.01 Units:	g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
10/11/24 08:20	10/11/24 21:31	PB164054

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	5.95		1	0.38	1.00	mg/kg	FC067410.D
Aliphatic C12-C16	Aliphatic C12-C16	5.05		1	0.24	0.67	mg/kg	FC067410.D
Aliphatic C16-C21	Aliphatic C16-C21	7.93		1	0.30	1.00	mg/kg	FC067410.D
Aliphatic C21-C28	Aliphatic C21-C28	10.6		1	0.80	1.33	mg/kg	FC067410.D
Aliphatic C28-C40	Aliphatic C28-C40	15.4		1	1.80	2.00	mg/kg	FC067410.D
Aromatic C10-C12	Aromatic C10-C12	4.69		1	0.30	0.67	mg/kg	FD048462.D
Aromatic C12-C16	Aromatic C12-C16	7.59		1	0.34	1.00	mg/kg	FD048462.D
Aromatic C16-C21	Aromatic C16-C21	14.5		1	0.96	1.67	mg/kg	FD048462.D
Aromatic C21-C36	Aromatic C21-C36	21.9		1	2.00	2.67	mg/kg	FD048462.D
Total AliphaticEPH	Total AliphaticEPH	44.9			3.52	6.00	mg/kg	
Total AromaticEPH	Total AromaticEPH	48.7			3.60	6.01	mg/kg	
Total EPH	Total EPH	93.6			7.12	12.0	mg/kg	

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Roman E&G Corp			Date Collected:	
Project:	Perth Amboy			Date Received:	
Client Sample ID:	PB164054BS			SDG No.:	P4258
Lab Sample ID:	PB164054BS			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	100
Sample Wt/Vol:	30.01	Units:	g	Final Vol:	2000 uL
Soil Aliquot Vol:			uL	Test:	EPH
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC067410.D	1	10/11/24	10/11/24	PB164054

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12		5.95		0.38	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16		5.05		0.24	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21		7.93		0.30	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28		10.6		0.80	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		15.4		1.80	2.00	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		41.0		40 - 140	82%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		0.00		40 - 140	0%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB164054BS	Acq On:	11 Oct 2024 21:31
Client Sample ID:	PB164054BS	Operator:	YP/AJ
Data file:	FC067410.D	Misc:	
Instrument:	FID_C	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.175	6.457	11465632	89.328	300	ug/ml
Aliphatic C12-C16	6.458	9.848	9918535	75.738	200	ug/ml
Aliphatic C16-C21	9.849	13.207	15643745	118.985	300	ug/ml
Aliphatic C21-C28	13.208	16.862	20179814	159.117	400	ug/ml
Aliphatic C28-C40	16.863	21.712	24315542	231.102	600	ug/ml
Aliphatic EPH	3.175	21.712	81523268	674.27		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.943	12.943	4641045	41		ug/ml
Aliphatic C9-C28	3.175	16.862	57207726	443.168	1200	ug/ml

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Report of Analysis

Client:	Roman E&G Corp		Date Collected:		
Project:	Perth Amboy		Date Received:		
Client Sample ID:	PB164054BS		SDG No.:	P4258	
Lab Sample ID:	PB164054BS		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	100	
Sample Wt/Vol:	30.01	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD048462.D	1	10/11/24	10/11/24	PB164054

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	4.69		0.30	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	7.59		0.34	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	14.5		0.96	1.67	mg/kg
Aromatic C21-C36	Aromatic C21-C36	21.9		2.00	2.67	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	51.5		40 - 140	103%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	50.2		40 - 140	100%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	41.3		40 - 140	83%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB164054BS	Acq On:	11 Oct 2024 22:07
Client Sample ID:	PB164054BS	Operator:	YP/AJ
Data file:	FD048462.D	Misc:	
Instrument:	FID_D	ALS Vial:	62
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.100	5.818	12735640	70.369	200	ug/ml
Aromatic C12-C16	5.819	8.425	21649760	113.949	300	ug/ml
Aromatic C16-C21	8.426	12.687	38809486	217.142	500	ug/ml
Aromatic C21-C36	12.688	18.089	54295016	328.343	800	ug/ml
Aromatic EPH	4.100	18.089	127489902	729.803		ug/ml
2-Bromonaphthalene (SURR)	7.379	7.379	8532621	51.54		ug/ml
2-Flurobiphenyl (SURR)	8.229	8.229	5202838	50.17		ug/ml
ortho-Terphenyl (SURR)	11.265	11.265	7598488	41.3		ug/ml

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Report of Analysis

Client:	Roman E&G Corp		Date Collected:		
Project:	Perth Amboy		Date Received:		
Client Sample ID:	PB164054BSD		SDG No.:	P4258	
Lab Sample ID:	PB164054BSD		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	100	
Sample Wt/Vol:	30.03	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
10/11/24 08:20	10/11/24 22:07	PB164054

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	5.97		1	0.38	1.00	mg/kg	FC067411.D
Aliphatic C12-C16	Aliphatic C12-C16	5.08		1	0.24	0.67	mg/kg	FC067411.D
Aliphatic C16-C21	Aliphatic C16-C21	7.94		1	0.30	1.00	mg/kg	FC067411.D
Aliphatic C21-C28	Aliphatic C21-C28	10.6		1	0.80	1.33	mg/kg	FC067411.D
Aliphatic C28-C40	Aliphatic C28-C40	15.5		1	1.80	2.00	mg/kg	FC067411.D
Aromatic C10-C12	Aromatic C10-C12	4.58		1	0.30	0.67	mg/kg	FD048463.D
Aromatic C12-C16	Aromatic C12-C16	7.43		1	0.34	1.00	mg/kg	FD048463.D
Aromatic C16-C21	Aromatic C16-C21	14.2		1	0.96	1.67	mg/kg	FD048463.D
Aromatic C21-C36	Aromatic C21-C36	21.6		1	2.00	2.66	mg/kg	FD048463.D
Total AliphaticEPH	Total AliphaticEPH	45.1			3.52	5.99	mg/kg	
Total AromaticEPH	Total AromaticEPH	47.8			3.60	6.00	mg/kg	
Total EPH	Total EPH	92.9			7.12	12.0	mg/kg	

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Roman E&G Corp		Date Collected:		
Project:	Perth Amboy		Date Received:		
Client Sample ID:	PB164054BSD		SDG No.:	P4258	
Lab Sample ID:	PB164054BSD		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	100	
Sample Wt/Vol:	30.03	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC067411.D	1	10/11/24	10/11/24	PB164054

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	5.97		0.38	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	5.08		0.24	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	7.94		0.30	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	10.6		0.80	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	15.5		1.80	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	38.8		40 - 140	78%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB164054BSD	Acq On:	11 Oct 2024 22:07
Client Sample ID:	PB164054BSD	Operator:	YP/AJ
Data file:	FC067411.D	Misc:	
Instrument:	FID_C	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.175	6.457	11514355	89.707	300	ug/ml
Aliphatic C12-C16	6.458	9.848	9982342	76.226	200	ug/ml
Aliphatic C16-C21	9.849	13.207	15666132	119.156	300	ug/ml
Aliphatic C21-C28	13.208	16.862	20204170	159.309	400	ug/ml
Aliphatic C28-C40	16.863	21.712	24415644	232.053	600	ug/ml
Aliphatic EPH	3.175	21.712	81782643	676.451		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.944	12.944	4391796	38.8		ug/ml
Aliphatic C9-C28	3.175	16.862	57366999	444.398	1200	ug/ml

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Report of Analysis

Client:	Roman E&G Corp		Date Collected:		
Project:	Perth Amboy		Date Received:		
Client Sample ID:	PB164054BSD		SDG No.:	P4258	
Lab Sample ID:	PB164054BSD		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	100	
Sample Wt/Vol:	30.03	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD048463.D	1	10/11/24	10/11/24	PB164054

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	4.58		0.30	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	7.43		0.34	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	14.2		0.96	1.67	mg/kg
Aromatic C21-C36	Aromatic C21-C36	21.6		2.00	2.66	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	50.6		40 - 140	101%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	49.2		40 - 140	98%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	40.5		40 - 140	81%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB164054BSD	Acq On:	11 Oct 2024 22:44
Client Sample ID:	PB164054BSD	Operator:	YP/AJ
Data file:	FD048463.D	Misc:	
Instrument:	FID_D	ALS Vial:	63
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.100	5.818	12446530	68.771	200	ug/ml
Aromatic C12-C16	5.819	8.425	21187218	111.514	300	ug/ml
Aromatic C16-C21	8.426	12.687	38041343	212.845	500	ug/ml
Aromatic C21-C36	12.688	18.089	53515255	323.627	800	ug/ml
Aromatic EPH	4.100	18.089	125190346	716.757		ug/ml
2-Bromonaphthalene (SURR)	7.379	7.379	8378840	50.61		ug/ml
2-Flurobiphenyl (SURR)	8.229	8.229	5106679	49.24		ug/ml
ortho-Terphenyl (SURR)	11.265	11.265	7452371	40.5		ug/ml

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Report of Analysis

Client:	Roman E&G Corp		Date Collected:		
Project:	Perth Amboy		Date Received:		
Client Sample ID:	Chamberlain AveMS		SDG No.:	P4258	
Lab Sample ID:	P4258-03MS		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	86	
Sample Wt/Vol:	30.07	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
10/11/24 08:20	10/12/24 1:50	PB164054

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	6.78		1	0.44	1.16	mg/kg	FC067417.D
Aliphatic C12-C16	Aliphatic C12-C16	5.58		1	0.28	0.77	mg/kg	FC067417.D
Aliphatic C16-C21	Aliphatic C16-C21	8.85		1	0.35	1.16	mg/kg	FC067417.D
Aliphatic C21-C28	Aliphatic C21-C28	11.8		1	0.93	1.55	mg/kg	FC067417.D
Aliphatic C28-C40	Aliphatic C28-C40	21.0		1	2.09	2.32	mg/kg	FC067417.D
Aromatic C10-C12	Aromatic C10-C12	6.55		1	0.35	0.77	mg/kg	FD048469.D
Aromatic C12-C16	Aromatic C12-C16	10.6		1	0.39	1.16	mg/kg	FD048469.D
Aromatic C16-C21	Aromatic C16-C21	20.9		1	1.11	1.93	mg/kg	FD048469.D
Aromatic C21-C36	Aromatic C21-C36	33.6		1	2.32	3.09	mg/kg	FD048469.D
Total AliphaticEPH	Total AliphaticEPH	54.0			4.08	6.96	mg/kg	
Total AromaticEPH	Total AromaticEPH	71.7			4.17	6.95	mg/kg	
Total EPH	Total EPH	126			8.26	13.9	mg/kg	

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Roman E&G Corp	Date Collected:	
Project:	Perth Amboy	Date Received:	
Client Sample ID:	Chamberlain AveMS	SDG No.:	P4258
Lab Sample ID:	P4258-03MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC067417.D	1	10/11/24	10/12/24	PB164054

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12		6.78		0.44	1.16	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16		5.58		0.28	0.77	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21		8.85		0.35	1.16	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28		11.8		0.93	1.55	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		21.0		2.09	2.32	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		25.0		40 - 140	50%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		0.00		40 - 140	0%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4258-03MS	Acq On:	12 Oct 2024 01:50
Client Sample ID:	Chamberlain AveMS	Operator:	YP/AJ
Data file:	FC067417.D	Misc:	
Instrument:	FID_C	ALS Vial:	26
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.175	6.457	11259049	87.718	300	ug/ml
Aliphatic C12-C16	6.458	9.848	9442477	72.103	200	ug/ml
Aliphatic C16-C21	9.849	13.207	15043294	114.418	300	ug/ml
Aliphatic C21-C28	13.208	16.862	19405623	153.013	400	ug/ml
Aliphatic C28-C40	16.863	21.712	28582430	271.655	600	ug/ml
Aliphatic EPH	3.175	21.712	83732873	698.908		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.942	12.942	2825735	24.96		ug/ml
Aliphatic C9-C28	3.175	16.862	55150443	427.252	1200	ug/ml

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Report of Analysis

Client:	Roman E&G Corp		Date Collected:		
Project:	Perth Amboy		Date Received:		
Client Sample ID:	Chamberlain AveMS		SDG No.:	P4258	
Lab Sample ID:	P4258-03MS		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	86	
Sample Wt/Vol:	30.07 Units:	g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD048469.D	1	10/11/24	10/12/24	PB164054

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	6.55		0.35	0.77	mg/kg
Aromatic C12-C16	Aromatic C12-C16	10.6		0.39	1.16	mg/kg
Aromatic C16-C21	Aromatic C16-C21	20.9		1.11	1.93	mg/kg
Aromatic C21-C36	Aromatic C21-C36	33.6		2.32	3.09	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	55.4		40 - 140	111%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	58.4		40 - 140	117%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	33.0		40 - 140	66%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4258-03MS	Acq On:	12 Oct 2024 02:27
Client Sample ID:	Chamberlain AveMS	Operator:	YP/AJ
Data file:	FD048469.D	Misc:	
Instrument:	FID_D	ALS Vial:	69
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.100	5.818	15333341	84.722	200	ug/ml
Aromatic C12-C16	5.819	8.425	25971347	136.695	300	ug/ml
Aromatic C16-C21	8.426	12.687	48305195	270.272	500	ug/ml
Aromatic C21-C36	12.688	18.089	71801827	434.213	800	ug/ml
Aromatic EPH	4.100	18.089	161411710	925.901		ug/ml
ortho-Terphenyl (SURR)	11.264	11.264	6078564	33.04		ug/ml
2-Bromonaphthalene (SURR)	7.380	7.380	9165846	55.36		ug/ml
2-Flurobiphenyl (SURR)	8.230	8.230	6055741	58.39		ug/ml

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Report of Analysis

Client:	Roman E&G Corp		Date Collected:		
Project:	Perth Amboy		Date Received:		
Client Sample ID:	Chamberlain AveMSD		SDG No.:	P4258	
Lab Sample ID:	P4258-03MSD		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	86	
Sample Wt/Vol:	30.09	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
10/11/24 08:20	10/12/24 2:27	PB164054

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	6.83		1	0.44	1.16	mg/kg	FC067418.D
Aliphatic C12-C16	Aliphatic C12-C16	5.58		1	0.28	0.77	mg/kg	FC067418.D
Aliphatic C16-C21	Aliphatic C16-C21	8.90		1	0.35	1.16	mg/kg	FC067418.D
Aliphatic C21-C28	Aliphatic C21-C28	11.9		1	0.93	1.55	mg/kg	FC067418.D
Aliphatic C28-C40	Aliphatic C28-C40	21.0		1	2.09	2.32	mg/kg	FC067418.D
Aromatic C10-C12	Aromatic C10-C12	6.05		1	0.35	0.77	mg/kg	FD048470.D
Aromatic C12-C16	Aromatic C12-C16	10.4		1	0.39	1.16	mg/kg	FD048470.D
Aromatic C16-C21	Aromatic C16-C21	20.5		1	1.11	1.93	mg/kg	FD048470.D
Aromatic C21-C36	Aromatic C21-C36	33.0		1	2.32	3.09	mg/kg	FD048470.D
Total AliphaticEPH	Total AliphaticEPH	54.2			4.08	6.96	mg/kg	
Total AromaticEPH	Total AromaticEPH	70.0			4.17	6.95	mg/kg	
Total EPH	Total EPH	124			8.26	13.9	mg/kg	

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Roman E&G Corp		Date Collected:		
Project:	Perth Amboy		Date Received:		
Client Sample ID:	Chamberlain AveMSD		SDG No.:	P4258	
Lab Sample ID:	P4258-03MSD		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	86	
Sample Wt/Vol:	30.09	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC067418.D	1	10/11/24	10/12/24	PB164054

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	6.83		0.44	1.16	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	5.58		0.28	0.77	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	8.90		0.35	1.16	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	11.9		0.93	1.55	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	21.0		2.09	2.32	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	26.0		40 - 140	52%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4258-03MSD	Acq On:	12 Oct 2024 02:27
Client Sample ID:	Chamberlain AveMSD	Operator:	YP/AJ
Data file:	FC067418.D	Misc:	
Instrument:	FID_C	ALS Vial:	27
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.175	6.457	11335119	88.311	300	ug/ml
Aliphatic C12-C16	6.458	9.848	9463249	72.262	200	ug/ml
Aliphatic C16-C21	9.849	13.207	15147847	115.214	300	ug/ml
Aliphatic C21-C28	13.208	16.862	19600942	154.553	400	ug/ml
Aliphatic C28-C40	16.863	21.712	28641624	272.218	600	ug/ml
Aliphatic EPH	3.175	21.712	84188781	702.557		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.941	12.941	2940829	25.98		ug/ml
Aliphatic C9-C28	3.175	16.862	55547157	430.34	1200	ug/ml

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Report of Analysis

Client:	Roman E&G Corp	Date Collected:	
Project:	Perth Amboy	Date Received:	
Client Sample ID:	Chamberlain AveMSD	SDG No.:	P4258
Lab Sample ID:	P4258-03MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86
Sample Wt/Vol:	30.09 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD048470.D	1	10/11/24	10/12/24	PB164054

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	6.05		0.35	0.77	mg/kg
Aromatic C12-C16	Aromatic C12-C16	10.4		0.39	1.16	mg/kg
Aromatic C16-C21	Aromatic C16-C21	20.5		1.11	1.93	mg/kg
Aromatic C21-C36	Aromatic C21-C36	33.0		2.32	3.09	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	54.4		40 - 140	109%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	57.3		40 - 140	115%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	32.4		40 - 140	65%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4258-03MSD	Acq On:	12 Oct 2024 03:04
Client Sample ID:	Chamberlain AveMSD	Operator:	YP/AJ
Data file:	FD048470.D	Misc:	
Instrument:	FID_D	ALS Vial:	70
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.100	5.818	14167618	78.281	200	ug/ml
Aromatic C12-C16	5.819	8.425	25463495	134.022	300	ug/ml
Aromatic C16-C21	8.426	12.687	47480476	265.657	500	ug/ml
Aromatic C21-C36	12.688	18.089	70530584	426.526	800	ug/ml
Aromatic EPH	4.100	18.089	157642173	904.485		ug/ml
ortho-Terphenyl (SURR)	11.264	11.264	5967413	32.43		ug/ml
2-Bromonaphthalene (SURR)	7.379	7.379	9001040	54.36		ug/ml
2-Flurobiphenyl (SURR)	8.230	8.230	5945022	57.33		ug/ml

CALIBRATION SUMMARY

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Inital Calibration Report for SequenceID : FC100224AL

AreaCount

Parameter Range	FC067312.D	FC067313.D	FC067314.D	FC067315.D	FC067316.D	
Aliphatic C9-C12	36157754.000	18468554.000	7796622.000	3912320.000	2066528.000	
Aliphatic C12-C16	24671572.000	12642565.000	5319639.000	2676246.000	1382016.000	
Aliphatic C16-C21	36539622.000	18852548.000	8005327.000	4100822.000	2096729.000	
Aliphatic C21-C28	47235980.000	24590379.000	10215208.000	5219473.000	2697991.000	
Aliphatic C28-C40	57341685.000	29822245.000	12674884.000	6440179.000	3544258.000	
Aliphatic EPH	201946613.000	104376291.000	44011680.000	22349040.000	11787522.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	128354.4879996	5.284				
Aliphatic C12-C16	130957.677	4.567				
Aliphatic C16-C21	131476.1019996	5.732				
Aliphatic C21-C28	126823.664	5.15				
Aliphatic C28-C40	105215.848333	8.211				
Aliphatic EPH	121110.9372216	6.036				

Concentration

Parameter Range	FC067312.D	FC067313.D	FC067314.D	FC067315.D	FC067316.D	
Aliphatic C9-C12	300.000	150.000	60.000	30.000	15.000	
Aliphatic C12-C16	200.000	100.000	40.000	20.000	10.000	
Aliphatic C16-C21	300.000	150.000	60.000	30.000	15.000	
Aliphatic C21-C28	400.000	200.000	80.000	40.000	20.000	
Aliphatic C28-C40	600.000	300.000	120.000	60.000	30.000	
Aliphatic EPH	1800.000	900.000	360.000	180.000	90.000	

Response Factor

Parameter Range	FC067312.D	FC067313.D	FC067314.D	FC067315.D	FC067316.D	
Aliphatic C9-C12	120525.846666	123123.693333	129943.700000	130410.666666	137768.533333	
Aliphatic C12-C16	123357.860000	126425.650000	132990.975000	133812.300000	138201.600000	
Aliphatic C16-C21	121798.740000	125683.653333	133422.116666	136694.066666	139781.933333	

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Inital Calibration Report for SequenceID : FC100224AL

Aliphatic C21-C28	118089.950000	122951.895000	127690.100000	130486.825000	134899.550000	
Aliphatic C28-C40	95569.475000	99407.483333	105624.033333	107336.316666	118141.933333	
Aliphatic EPH	112192.562777	115973.656666	122254.666666	124161.333333	130972.466666	

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Inital Calibration Report for SequenceID : FD093024AR

AreaCount

Parameter Range	FD048398.D	FD048399.D	FD048400.D	FD048401.D	FD048402.D	
Aromatic C10-C12	34648059.000	18252378.000	7283031.000	3571721.000	1884983.000	
Aromatic C12-C16	52772389.000	27987173.000	11349711.000	5750614.000	3099577.000	
Aromatic C16-C21	67557629.000	35880273.000	14451391.000	7136049.000	3726042.000	
Aromatic C21-C36	141518244.000	74756685.000	30035782.000	14897193.000	7697046.000	
Aromatic EPH	296496321.000	156876509.000	63119915.000	31355577.000	16407648.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aromatic C10-C12	180984.84	3.098				
Aromatic C12-C16	189995.313333	5.829				
Aromatic C16-C21	178728.23	3.52				
Aromatic C21-C36	165360.7497772	3.04				
Aromatic EPH	174173.0715554	3.596				

Concentration

Parameter Range	FD048398.D	FD048399.D	FD048400.D	FD048401.D	FD048402.D	
Aromatic C10-C12	200.000	100.000	40.000	20.000	10.000	
Aromatic C12-C16	300.000	150.000	60.000	30.000	15.000	
Aromatic C16-C21	400.000	200.000	80.000	40.000	20.000	
Aromatic C21-C36	900.000	450.000	180.000	90.000	45.000	
Aromatic EPH	1800.000	900.000	360.000	180.000	90.000	

Response Factor

Parameter Range	FD048398.D	FD048399.D	FD048400.D	FD048401.D	FD048402.D	
Aromatic C10-C12	173240.295000	182523.780000	182075.775000	178586.050000	188498.300000	
Aromatic C12-C16	175907.963333	186581.153333	189161.850000	191687.133333	206638.466666	
Aromatic C16-C21	168894.072500	179401.365000	180642.387500	178401.225000	186302.100000	
Aromatic C21-C36	157242.493333	166125.966666	166865.455555	165524.366666	171045.466666	
Aromatic EPH	164720.178333	174307.232222	175333.097222	174197.650000	182307.200000	

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Continuing Calibration Report for SequenceID : FC101124AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FC067408.D**						
Aliphatic C9-C12	7676829.000	60.000	3.175	6.457	127947.150	128354.488	0.317
Aliphatic C12-C16	4998555.000	40.000	6.458	9.848	124963.875	130957.677	4.577
Aliphatic C16-C21	7249603.000	60.000	9.849	13.207	120826.717	131476.102	8.100
Aliphatic C21-C28	9222288.000	80.000	13.208	16.862	115278.600	126823.664	9.103
Aliphatic C28-C40	12019967.000	120.000	16.863	21.712	100166.392	105215.848	4.799
Aliphatic EPH	41167242.000	360.000	3.175	21.712	114353.450	121110.937	5.580

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Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	11 Oct 2024 19:42
Client Sample ID:		Operator:	YP/AJ
Data file:	FC067408.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.175	6.457	7676829.000	60.000	ug/ml
Aliphatic C12-C16	6.458	9.848	4998555.000	40.000	ug/ml
Aliphatic C16-C21	9.849	13.207	7249603.000	60.000	ug/ml
Aliphatic C21-C28	13.208	16.862	9222288.000	80.000	ug/ml
Aliphatic C28-C40	16.863	21.712	12019967.000	120.000	ug/ml
Aliphatic EPH	3.175	21.712	41167242.000	360.000	ug/ml

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Continuing Calibration Report for SequenceID : FC101124AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FC067420.D**						
Aliphatic C9-C12	7672816.000	60.000	3.175	6.457	127880.267	128354.488	0.369
Aliphatic C12-C16	5034510.000	40.000	6.458	9.848	125862.750	130957.677	3.891
Aliphatic C16-C21	7291288.000	60.000	9.849	13.207	121521.467	131476.102	7.571
Aliphatic C21-C28	9260604.000	80.000	13.208	16.862	115757.550	126823.664	8.726
Aliphatic C28-C40	11796013.000	120.000	16.863	21.712	98300.108	105215.848	6.573
Aliphatic EPH	41055231.000	360.000	3.175	21.712	114042.308	121110.937	5.836

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Fax : 908 789 8922

Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	12 Oct 2024 03:41
Client Sample ID:		Operator:	YP/AJ
Data file:	FC067420.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.175	6.457	7672816.000	60.000	ug/ml
Aliphatic C12-C16	6.458	9.848	5034510.000	40.000	ug/ml
Aliphatic C16-C21	9.849	13.207	7291288.000	60.000	ug/ml
Aliphatic C21-C28	13.208	16.862	9260604.000	80.000	ug/ml
Aliphatic C28-C40	16.863	21.712	11796013.000	120.000	ug/ml
Aliphatic EPH	3.175	21.712	41055231.000	360.000	ug/ml

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Continuing Calibration Report for SequenceID : FD101124AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FD048460.D**						
Aromatic C10-C12	7064482.000	40.000	4.100	5.818	176612.050	180984.840	2.416
Aromatic C12-C16	10873476.000	60.000	5.819	8.425	181224.600	189995.313	4.616
Aromatic C16-C21	13241236.000	80.000	8.426	12.687	165515.450	178728.230	7.393
Aromatic C21-C36	26858279.000	180.000	12.688	18.089	149212.661	165360.750	9.765
Aromatic EPH	58037473.000	360.000	4.100	18.089	161215.203	174173.072	7.440

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Fax : 908 789 8922

Lab Sample ID:	20 PPM AROMATIC HC S	Acq On:	11 Oct 2024 19:42
Client Sample ID:		Operator:	YP/AJ
Data file:	FD048460.D	Misc:	
Instrument:	FID_D	ALS Vial:	52
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.100	5.818	7064482.000	40.000	ug/ml
Aromatic C12-C16	5.819	8.425	10873476.000	60.000	ug/ml
Aromatic C16-C21	8.426	12.687	13241236.000	80.000	ug/ml
Aromatic C21-C36	12.688	18.089	26858279.000	180.000	ug/ml
Aromatic EPH	4.100	18.089	58037473.000	360.000	ug/ml

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Fax : 908 789 8922

Continuing Calibration Report for SequenceID : FD101124AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FD048472.D**						
Aromatic C10-C12	7272361.000	40.000	4.100	5.818	181809.025	180984.840	-0.455
Aromatic C12-C16	10992353.000	60.000	5.819	8.425	183205.883	189995.313	3.573
Aromatic C16-C21	13410430.000	80.000	8.426	12.687	167630.375	178728.230	6.209
Aromatic C21-C36	27444861.000	180.000	12.688	18.089	152471.450	165360.750	7.795
Aromatic EPH	59120005.000	360.000	4.100	18.089	164222.236	174173.072	5.713

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Lab Sample ID:	20 PPM AROMATIC HC S	Acq On:	12 Oct 2024 04:18
Client Sample ID:		Operator:	YP/AJ
Data file:	FD048472.D	Misc:	
Instrument:	FID_D	ALS Vial:	52
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.100	5.818	7272361.000	40.000	ug/ml
Aromatic C12-C16	5.819	8.425	10992353.000	60.000	ug/ml
Aromatic C16-C21	8.426	12.687	13410430.000	80.000	ug/ml
Aromatic C21-C36	12.688	18.089	27444861.000	180.000	ug/ml
Aromatic EPH	4.100	18.089	59120005.000	360.000	ug/ml

SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC101124AL\
Data File : FC067415.D
Signal(s) : FID1A.ch
Acq On : 12 Oct 2024 00:35
Operator : YP/AJ
Sample : P4258-03
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
Chamberlain Ave

Integration File: autoint1.e
Quant Time: Oct 14 03:26:10 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M
Quant Title : GC Extractables
QLast Update : Tue Oct 01 09:13:32 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	12.942	4479449	39.573 ug/ml
Spiked Amount 50.000		Recovery = 79.15%	
Target Compounds			

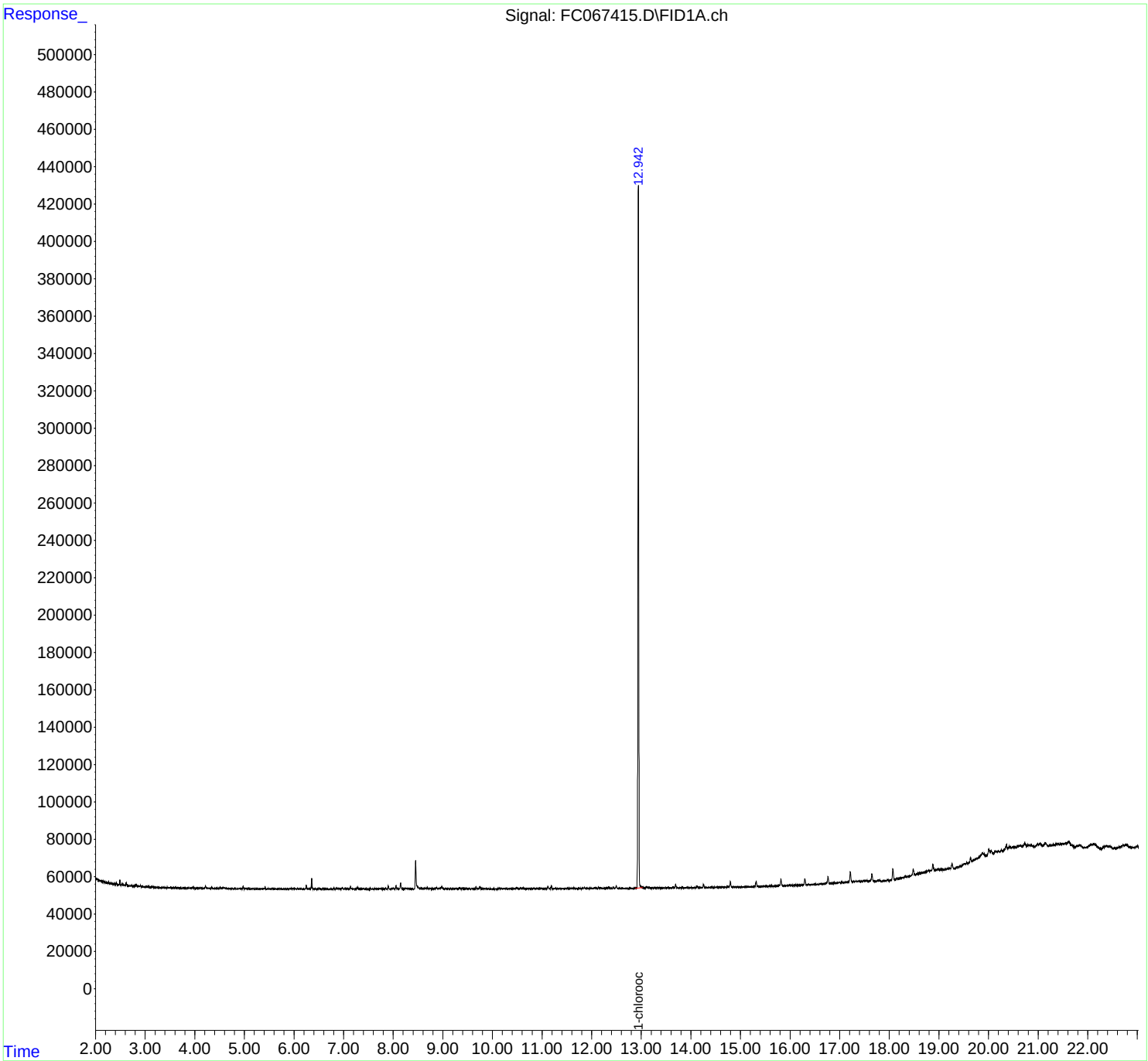
(f)=RT Delta > 1/2 Window (m)=manual int.

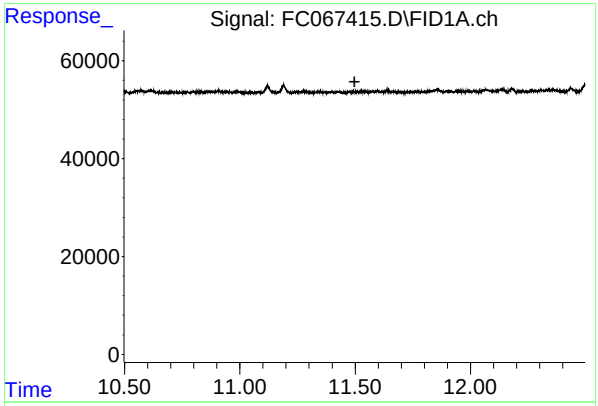
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC101124AL\
Data File : FC067415.D
Signal(s) : FID1A.ch
Acq On : 12 Oct 2024 00:35
Operator : YP/AJ
Sample : P4258-03
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
Chamberlain Ave

Integration File: autoint1.e
Quant Time: Oct 14 03:26:10 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M
Quant Title : GC Extractables
QLast Update : Tue Oct 01 09:13:32 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

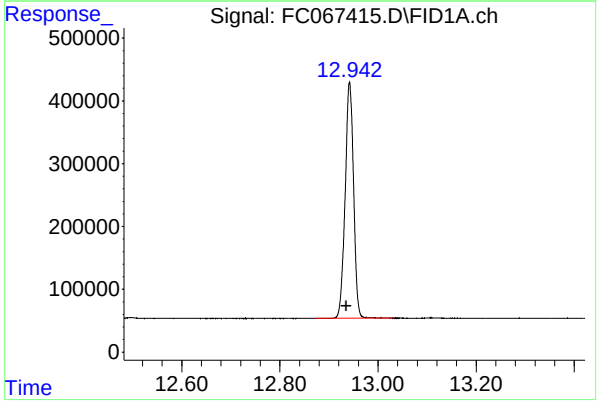




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.497 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
Chamberlain Ave



#12 1-chlorooctadecane (SURR)

R.T.: 12.942 min
Delta R.T.: 0.006 min
Response: 4479449
Conc: 39.57 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC101124AL\
Data File : FC067415.D
Signal(s) : FID1A.ch
Acq On : 12 Oct 2024 00:35
Sample : P4258-03
Misc :
ALS Vial : 24 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	6.358	6.305	6.402	BB	5733	56543	1.26%	1.012%
2	8.453	8.402	8.524	BB	14972	192435	4.30%	3.445%
3	12.942	12.874	13.030	BB	375171	4479449	100.00%	80.191%
4	15.815	15.730	15.849	BB	3561	54015	1.21%	0.967%
5	16.297	16.249	16.329	BB	3429	47247	1.05%	0.846%
6	16.764	16.715	16.799	BB	3747	53783	1.20%	0.963%
7	17.214	17.159	17.259	BB	5354	76477	1.71%	1.369%
8	17.649	17.594	17.689	BB	3835	59018	1.32%	1.057%
9	18.072	18.012	18.104	BB	5869	83638	1.87%	1.497%
10	18.482	18.292	18.515	BB	3365	56824	1.27%	1.017%
11	18.879	18.765	18.920	BB	3339	56297	1.26%	1.008%
12	19.640	19.335	19.665	BV	2464	54822	1.22%	0.981%
13	20.005	19.665	20.039	VV	3087	236284	5.27%	4.230%
14	20.056	20.039	20.097	VB	1714	33320	0.74%	0.596%
15	20.360	20.294	20.385	BV	2305	45790	1.02%	0.820%

Sum of corrected areas: 5585941

Aliphatic EPH 100224.M Mon Oct 14 04:49:00 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD101124AR\
Data File : FD048467.D
Signal(s) : FID2B.ch
Acq On : 12 Oct 2024 01:12
Operator : YP/AJ
Sample : P4258-03
Misc :
ALS Vial : 67 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
Chamberlain Ave

Integration File: autoint1.e
Quant Time: Oct 14 04:59:31 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.M
Quant Title : GC Extractables
QLast Update : Mon Sep 30 14:17:34 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.379	8372339	50.567 ug/ml
Spiked Amount 50.000		Recovery = 101.13%	
6) S 2-Flurobiphenyl (SURR)	8.229	5312726	51.229 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery = 102.46%	
11) S ortho-Terphenyl (SURR)	11.264	6002682	32.624 ug/ml
Spiked Amount 50.000		Recovery = 65.25%	
Target Compounds			

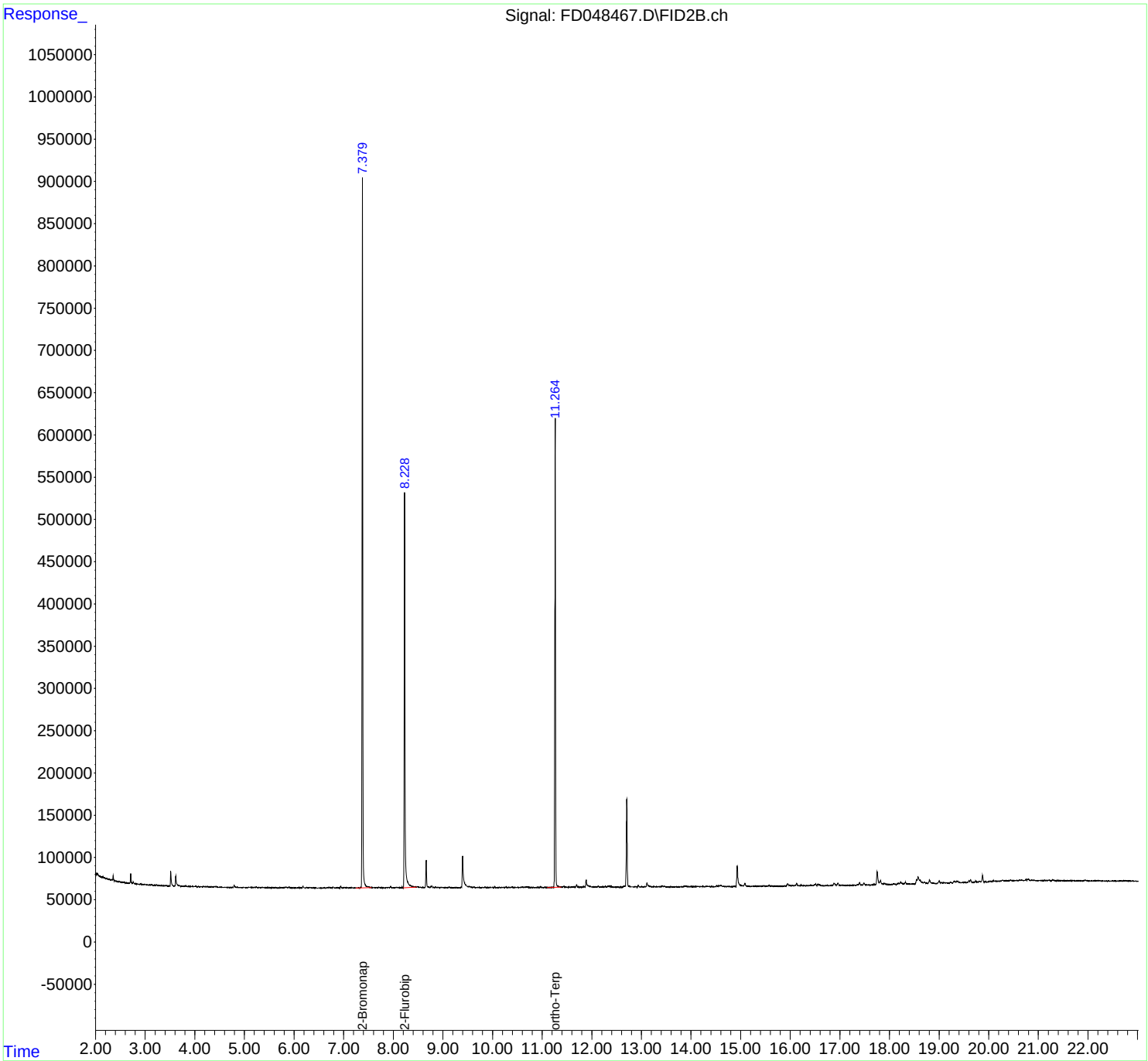
(f)=RT Delta > 1/2 Window (m)=manual int.

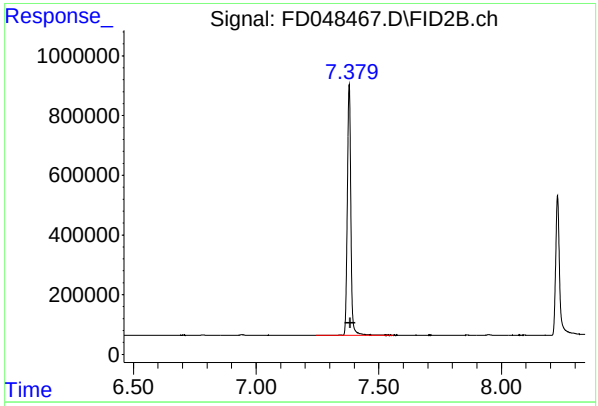
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD101124AR\
Data File : FD048467.D
Signal(s) : FID2B.ch
Acq On : 12 Oct 2024 01:12
Operator : YP/AJ
Sample : P4258-03
Misc :
ALS Vial : 67 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
Chamberlain Ave

Integration File: autoint1.e
Quant Time: Oct 14 04:59:31 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.M
Quant Title : GC Extractables
QLast Update : Mon Sep 30 14:17:34 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

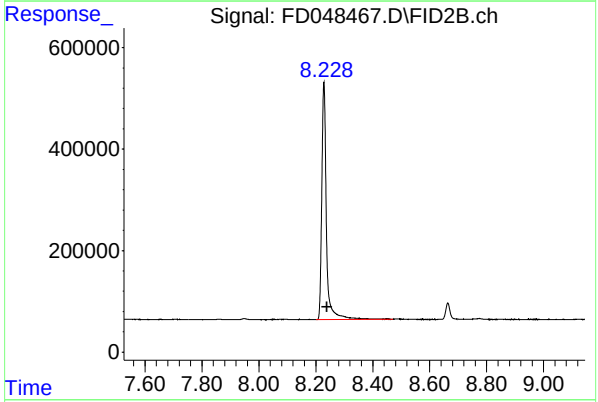




#4 2-Bromonaphthalene (SURR)

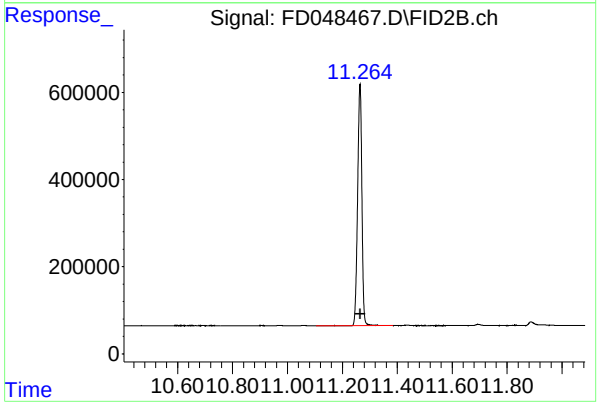
R.T.: 7.379 min
Delta R.T.: -0.005 min
Response: 8372339
Conc: 50.57 ug/ml

Instrument :
FID_D
ClientSampleId :
Chamberlain Ave



#6 2-Flurobiphenyl (SURR)

R.T.: 8.229 min
Delta R.T.: -0.010 min
Response: 5312726
Conc: 51.23 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.264 min
Delta R.T.: -0.001 min
Response: 6002682
Conc: 32.62 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD101124AR\
Data File : FD048467.D
Signal(s) : FID2B.ch
Acq On : 12 Oct 2024 01:12
Sample : P4258-03
Misc :
ALS Vial : 67 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.708	2.651	2.738	BV	11491	97321	1.16%	0.423%
2	3.515	3.461	3.598	BV	17846	195436	2.34%	0.849%
3	3.615	3.598	3.721	VB	11973	175488	2.10%	0.762%
4	7.379	7.294	7.528	BB	835218	8361270	100.00%	36.327%
5	8.229	8.191	8.434	BB	466897	5272746	63.06%	22.908%
6	8.664	8.608	8.734	BB	32309	336065	4.02%	1.460%
7	9.398	9.328	9.521	BV	36806	622518	7.45%	2.705%
8	11.264	11.198	11.344	BB	557157	5984838	71.58%	26.002%
9	11.887	11.768	11.951	BB	8014	123473	1.48%	0.536%
10	12.705	12.678	12.784	BB	103539	1220287	14.59%	5.302%
11	14.930	14.818	15.051	BB	24205	413193	4.94%	1.795%
12	17.750	17.701	17.794	BV	14300	214210	2.56%	0.931%
			Sum of corrected areas:			23016844		

Aromatic EPH 093024.M Mon Oct 14 06:26:25 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC101124AL\
Data File : FC067409.D
Signal(s) : FID1A.ch
Acq On : 11 Oct 2024 20:55
Operator : YP/AJ
Sample : PB164054BL
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB164054BL

Integration File: autoint1.e
Quant Time: Oct 14 03:25:08 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M
Quant Title : GC Extractables
QLast Update : Tue Oct 01 09:13:32 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	12.943	4160735	36.758 ug/ml
Spiked Amount 50.000		Recovery = 73.52%	
Target Compounds			

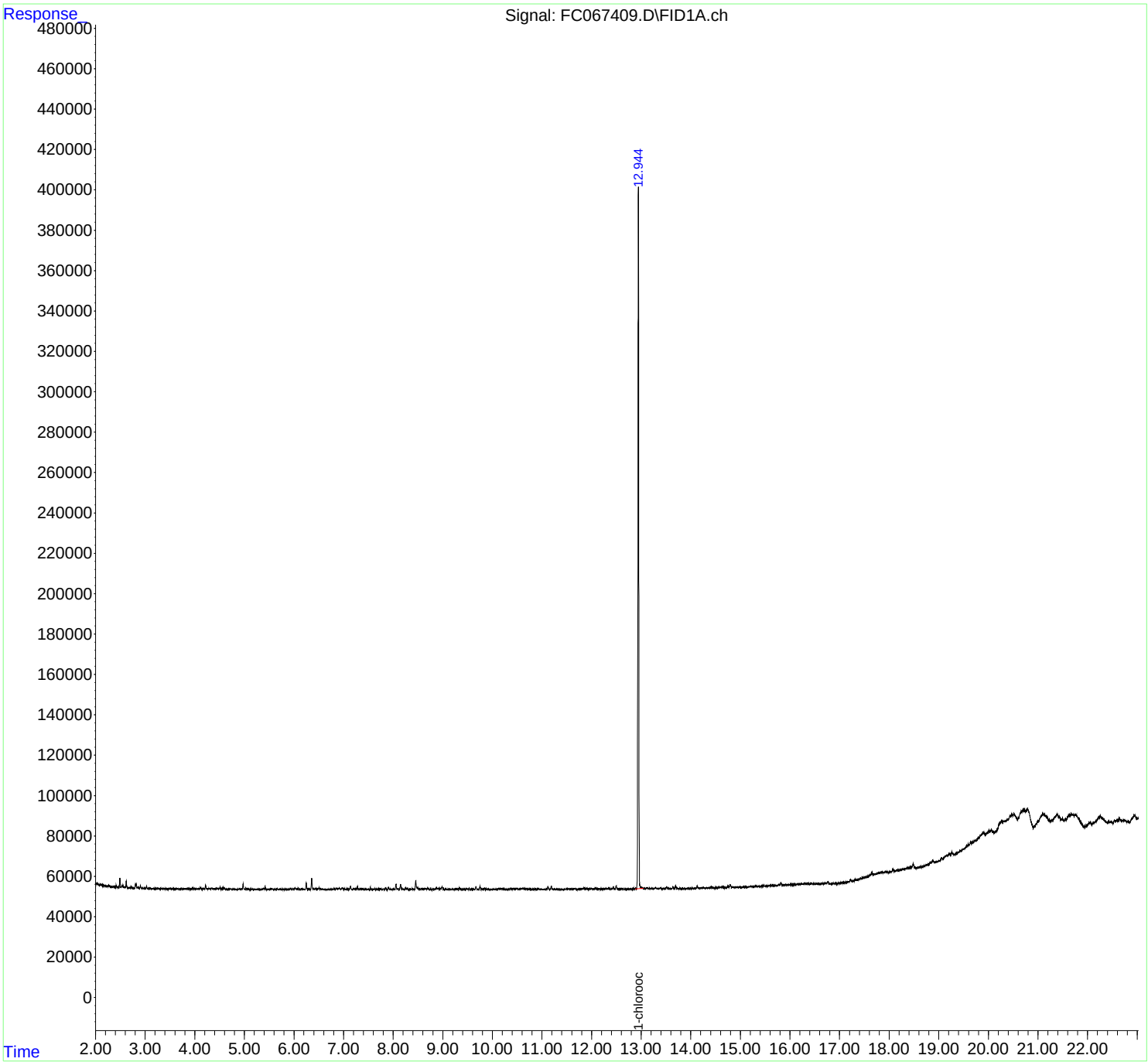
(f)=RT Delta > 1/2 Window (m)=manual int.

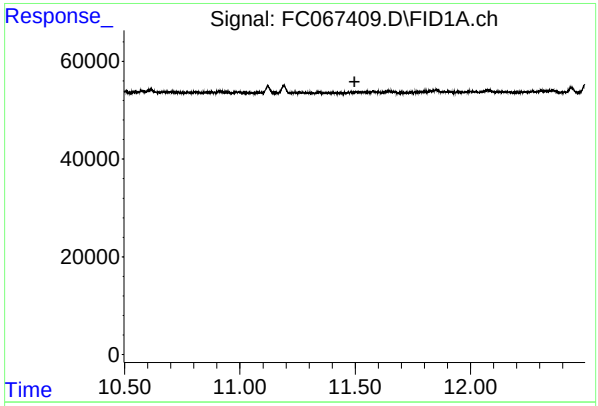
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC101124AL\
Data File : FC067409.D
Signal(s) : FID1A.ch
Acq On : 11 Oct 2024 20:55
Operator : YP/AJ
Sample : PB164054BL
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB164054BL

Integration File: autoint1.e
Quant Time: Oct 14 03:25:08 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M
Quant Title : GC Extractables
QLast Update : Tue Oct 01 09:13:32 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

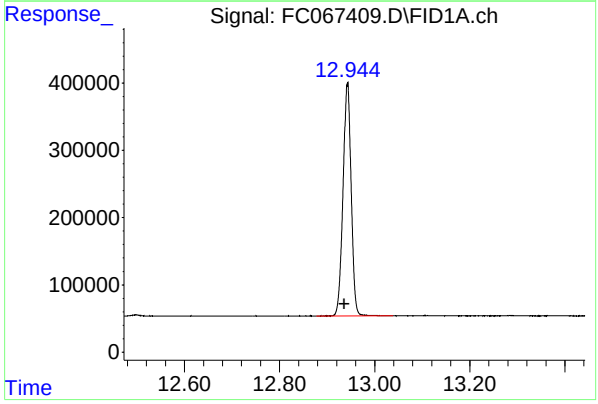




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.497 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
PB164054BL



#12 1-chlorooctadecane (SURR)

R.T.: 12.943 min
Delta R.T.: 0.007 min
Response: 4160735
Conc: 36.76 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC101124AL\
Data File : FC067409.D
Signal(s) : FID1A.ch
Acq On : 11 Oct 2024 20:55
Sample : PB164054BL
Misc :
ALS Vial : 18 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	12.943	12.877	13.038	BB	346969	4160735	100.00%	100.000%
			Sum of corrected areas:			4160735		

Aliphatic EPH 100224.M Mon Oct 14 04:42:07 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD101124AR\
Data File : FD048461.D
Signal(s) : FID2B.ch
Acq On : 11 Oct 2024 21:31
Operator : YP/AJ
Sample : PB164054BL
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB164054BL

Integration File: autoint1.e
Quant Time: Oct 14 04:58:33 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.M
Quant Title : GC Extractables
QLast Update : Mon Sep 30 14:17:34 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.379	9429559	56.953 ug/ml
Spiked Amount 50.000		Recovery = 113.91%	
6) S 2-Flurobiphenyl (SURR)	8.229	6231461	60.089 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery = 120.18%	
11) S ortho-Terphenyl (SURR)	11.265	8536307	46.394 ug/ml
Spiked Amount 50.000		Recovery = 92.79%	
Target Compounds			

(f)=RT Delta > 1/2 Window (m)=manual int.

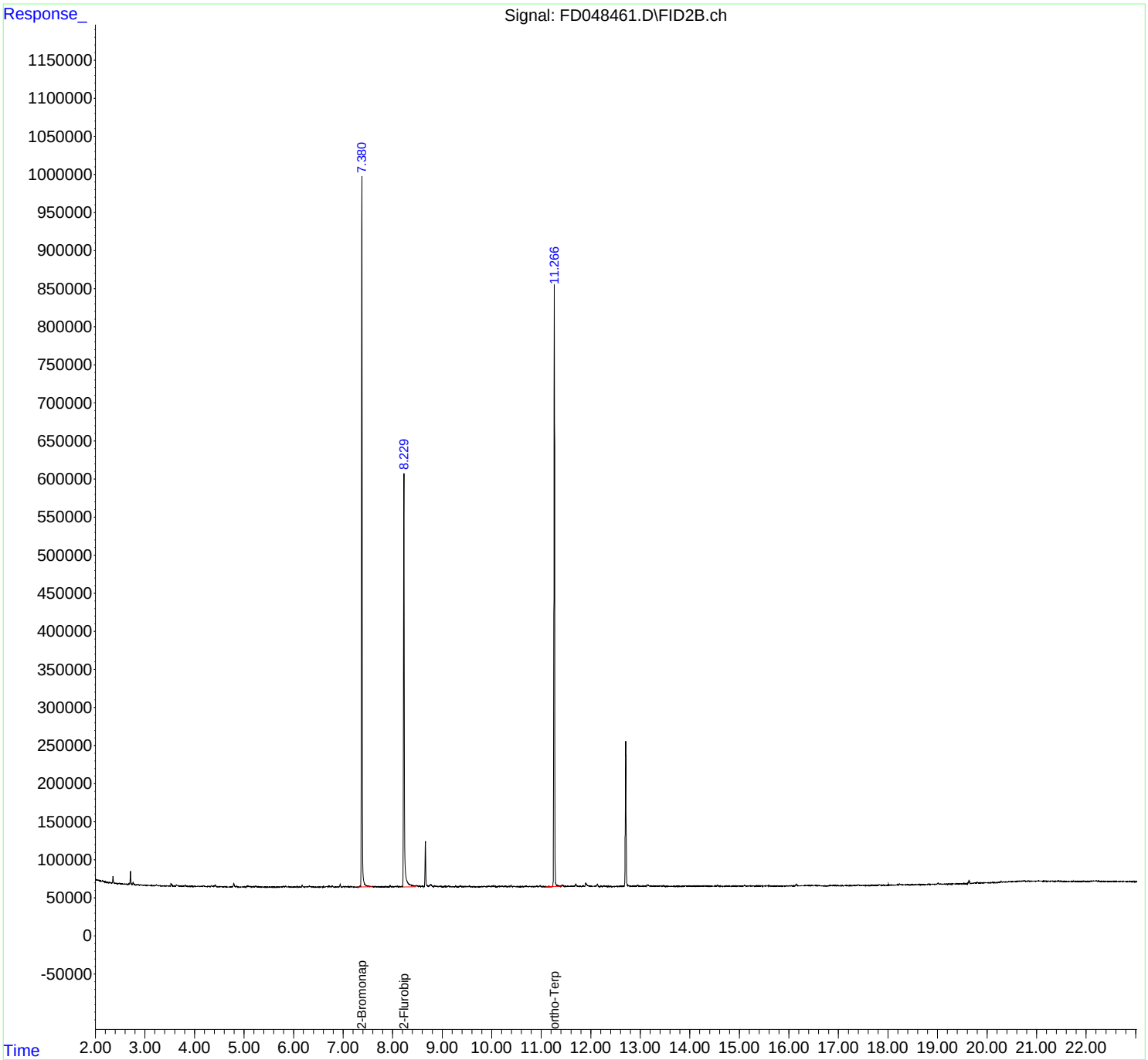
Quantitation Report (QT Reviewed)

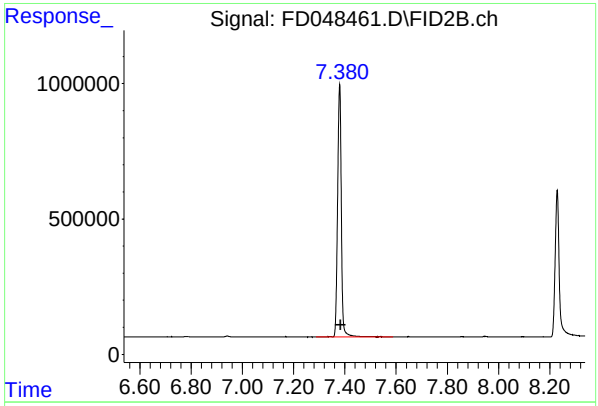
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD101124AR\
Data File : FD048461.D
Signal(s) : FID2B.ch
Acq On : 11 Oct 2024 21:31
Operator : YP/AJ
Sample : PB164054BL
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB164054BL

Integration File: autoint1.e
Quant Time: Oct 14 04:58:33 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.M
Quant Title : GC Extractables
QLast Update : Mon Sep 30 14:17:34 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

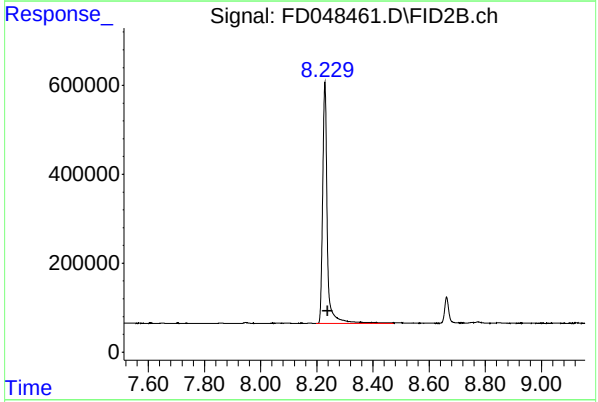




#4 2-Bromonaphthalene (SURR)

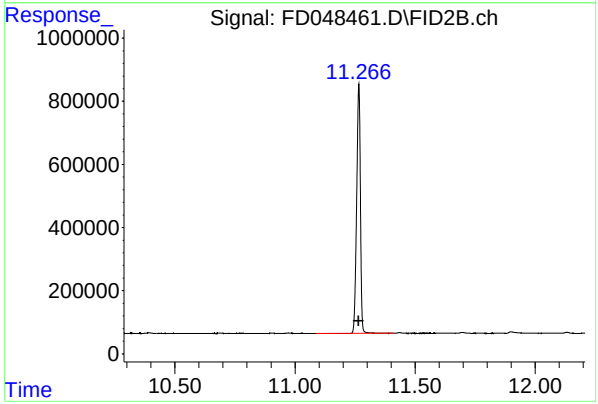
R.T.: 7.379 min
Delta R.T.: -0.005 min
Response: 9429559
Conc: 56.95 ug/ml

Instrument :
FID_D
ClientSampleId :
PB164054BL



#6 2-Flurobiphenyl (SURR)

R.T.: 8.229 min
Delta R.T.: -0.010 min
Response: 6231461
Conc: 60.09 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.265 min
Delta R.T.: 0.000 min
Response: 8536307
Conc: 46.39 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD101124AR\
Data File : FD048461.D
Signal(s) : FID2B.ch
Acq On : 11 Oct 2024 21:31
Sample : PB164054BL
Misc :
ALS Vial : 61 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	7.379	7.294	7.501	BB	945168	9339670	100.00%	38.895%
2	8.229	8.204	8.424	BB	539082	6127599	65.61%	25.518%
3	11.265	11.198	11.381	BB	784619	8545224	91.49%	35.587%
			Sum of corrected areas:			24012493		

Aromatic EPH 093024.M Mon Oct 14 06:22:46 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC101124AL\
Data File : FC067410.D
Signal(s) : FID1A.ch
Acq On : 11 Oct 2024 21:31
Operator : YP/AJ
Sample : PB164054BS
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB164054BS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/14/2024
Supervised By :Ankita Jodhani 10/14/2024

Integration File: autoint1.e
Quant Time: Oct 14 03:25:17 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M
Quant Title : GC Extractables
QLast Update : Tue Oct 01 09:13:32 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
12) S	1-chlorooctadecane (S...	12.943	4641045	41.001 ug/ml
Spiked Amount	50.000		Recovery =	82.00%
	Target Compounds			
1) T	n-Nonane (C9)	3.277	2975519	23.474 ug/ml
2) T	n-Decane (C10)	4.343	3874396	30.141 ug/ml
4) T	n-Dodecane (C12)	6.360	4615717	35.571 ug/ml
6) T	n-Tetradecane (C14)	8.153	4909470	38.118 ug/ml
7) T	n-Hexadecane (C16)	9.752	5009065	37.629 ug/ml
8) T	n-Octadecane (C18)	11.192	5168448	38.115 ug/ml
10) T	n-Eicosane (C20)	12.501	5332746	40.842 ug/ml
11) T	n-Heneicosane (C21)	13.112	5142551	40.096 ug/ml
13) T	n-Docosane (C22)	13.697	5136082	40.224 ug/ml
14) T	n-Tetracosane (C24)	14.799	5076544	39.694 ug/ml
15) T	n-Hexacosane (C26)	15.819	5007723	39.717 ug/ml
16) T	n-Octacosane (C28)	16.768	4959465	39.477 ug/ml
17) T	n-Tricontane (C30)	17.655	4996459	38.785 ug/ml
18) T	n-Dotriacontane (C32)	18.487	4921707	39.396 ug/ml
19) T	n-Tetratriacontane (C34)	19.267	4459054	40.805 ug/mlm
20) T	n-Hexatriacontane (C36)	20.007	3825406	40.473 ug/ml
21) T	n-Octatriacontane (C38)	20.733	3268106	37.265 ug/mlm
22) T	n-Tetracontane (C40)	21.620	2932870	34.084 ug/mlm

(f)=RT Delta > 1/2 Window (m)=manual int.

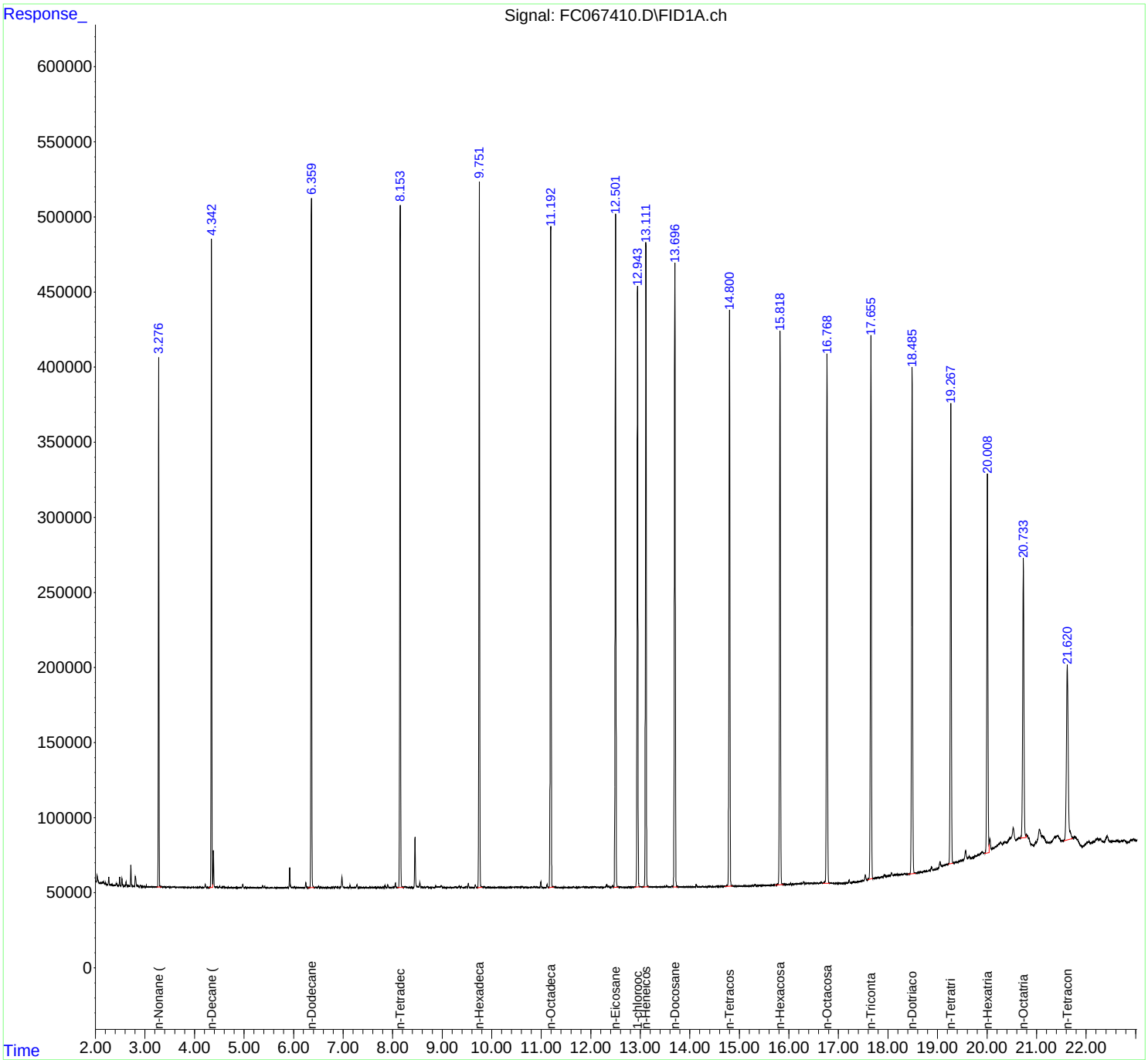
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC101124AL\
Data File : FC067410.D
Signal(s) : FID1A.ch
Acq On : 11 Oct 2024 21:31
Operator : YP/AJ
Sample : PB164054BS
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB164054BS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/14/2024
Supervised By :Ankita Jodhani 10/14/2024

Integration File: autoint1.e
Quant Time: Oct 14 03:25:17 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M
Quant Title : GC Extractables
QLast Update : Tue Oct 01 09:13:32 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um



14

Instrument :
FID_C
ClientSampleId :
PB164054BS

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/14/2024
Supervised By :Ankita Jodhani 10/14/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC10112
Data File : FC067410.D
Signal(s) : FID1A.ch
Acq On : 11 Oct 2024 21:31
Sample : PB164054BS
Misc :
ALS Vial : 19 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.277	3.245	3.332	BB	352951	2975519	55.80%	3.453%
2	4.343	4.285	4.367	BV	432790	3874396	72.65%	4.497%
3	6.360	6.294	6.424	BB	458870	4615717	86.55%	5.357%
4	8.153	8.087	8.230	BB	456613	4909470	92.06%	5.698%
5	9.752	9.714	9.810	BB	470395	5009065	93.93%	5.813%
6	11.192	11.154	11.252	BB	439634	5168448	96.92%	5.998%
7	12.501	12.457	12.559	PB	443099	5332746	100.00%	6.189%
8	12.943	12.880	12.992	BB	397920	4641045	87.03%	5.386%
9	13.112	13.045	13.169	BB	427885	5142551	96.43%	5.968%
10	13.697	13.659	13.759	VB	416380	5136082	96.31%	5.961%
11	14.799	14.705	14.859	BB	379054	5076544	95.20%	5.892%
12	15.819	15.730	15.887	BB	367996	5007723	93.91%	5.812%
13	16.768	16.684	16.829	BB	347615	4959465	93.00%	5.756%
14	17.655	17.587	17.694	BB	361768	4996459	93.69%	5.799%
15	18.487	18.404	18.560	BB	333173	4921707	92.29%	5.712%
16	19.267	19.220	19.309	M	306520	4454784	83.54%	5.170%
17	20.007	19.959	20.040	BV	250982	3825406	71.73%	4.440%
18	20.733	20.684	20.775	M	185260	3205167	60.10%	3.720%
19	21.620	21.561	21.740	M	116467	2912019	54.61%	3.380%
			Sum of corrected areas:			86164313		

Aliphatic EPH 100224.M Mon Oct 14 04:43:04 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD101124AR\
Data File : FD048462.D
Signal(s) : FID2B.ch
Acq On : 11 Oct 2024 22:07
Operator : YP/AJ
Sample : PB164054BS
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB164054BS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/14/2024
Supervised By :Ankita Jodhani 10/14/2024

Integration File: autoint1.e
Quant Time: Oct 14 04:58:41 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.M
Quant Title : GC Extractables
QLast Update : Mon Sep 30 14:17:34 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
4)	S 2-Bromonaphthalene (S...	7.379	8532621	51.535 ug/ml
	Spiked Amount 50.000		Recovery = 103.07%	
6)	S 2-Flurobiphenyl (SURR)	8.229	5202838	50.170 ug/ml
	Spiked Amount 50.000 Range 0 - 131		Recovery = 100.34%	
11)	S ortho-Terphenyl (SURR)	11.265	7598488	41.297 ug/ml
	Spiked Amount 50.000		Recovery = 82.59%	
	Target Compounds			
1)	T 1,2,3-Trimethylbenzen...	4.201	5863751	33.458 ug/ml
2)	T Naphthalene (C11.7)	5.718	6928553	37.108 ug/ml
3)	T 2-Methylnaphthalene (...	6.765	6826282	36.120 ug/ml
5)	T Acenaphthylene (C15.06)	8.032	7268070	37.886 ug/ml
7)	T Acenaphthene (C15.5)	8.327	7597338	40.164 ug/ml
8)	T Flouorene (C16.55)	9.105	7570606	41.902 ug/ml
9)	T Phenanthrene (C19.36)	10.493	7439510	41.977 ug/ml
10)	T Anthracene (C19.43)	10.569	7558949	42.480 ug/ml
12)	T Fluoranthene (C21.85)	12.298	7475359	41.329 ug/mlm
13)	T Pyrene (C20.8)	12.591	7898948	44.111 ug/ml
14)	T Benzo[a]anthracene (C...	14.460	7047085	44.095 ug/ml
15)	T Chrysene (C27.41)	14.502	7079733	37.956 ug/ml
16)	T benzo[b]fluoranthene ...	16.008	6953481	41.752 ug/ml
17)	T Bnezo[k]fluoranthene ...	16.041	6930603	40.829 ug/ml
18)	T Benzo[a]pyrene (C31.34)	16.383	6656518	40.727 ug/ml
19)	T Indeno[1,2,3-cd]pyren...	17.750	6723336	51.112 ug/ml
20)	T Dibenz[a,h]anthracene...	17.786	6590993	39.388 ug/ml
21)	T Benzo[g,h,i]perylene ...	18.001	6333047	38.991 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

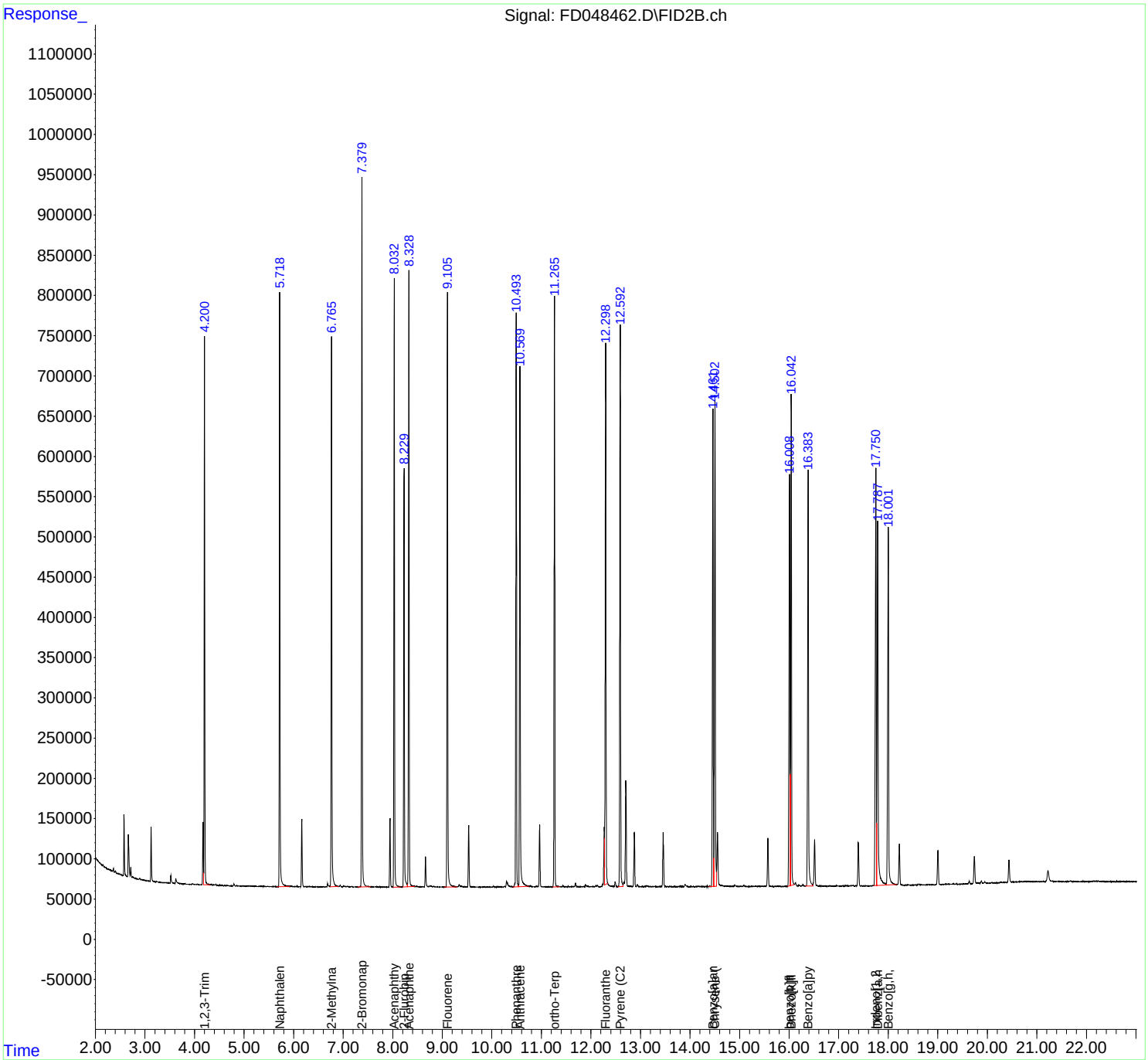
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD101124AR\
Data File : FD048462.D
Signal(s) : FID2B.ch
Acq On : 11 Oct 2024 22:07
Operator : YP/AJ
Sample : PB164054BS
Misc :
ALS Vial : 62 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 14 04:58:41 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.M
Quant Title : GC Extractables
QLast Update : Mon Sep 30 14:17:34 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

Instrument :
FID_D
ClientSampleId :
PB164054BS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/14/2024
Supervised By :Ankita Jodhani 10/14/2024



Instrument :
FID_D
ClientSampleId :
PB164054BS

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/14/2024
Supervised By :Ankita Jodhani 10/14/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD10112
Data File : FD048462.D
Signal(s) : FID2B.ch
Acq On : 11 Oct 2024 22:07
Sample : PB164054BS
Misc :
ALS Vial : 62 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.201	4.183	4.304	VB	679715	5858944	68.98%	3.939%
2	5.718	5.644	5.888	BB	732812	6876696	80.97%	4.623%
3	6.765	6.734	6.911	VB	679675	6820143	80.30%	4.585%
4	7.379	7.291	7.504	BB	887102	8493178	100.00%	5.710%
5	8.032	8.004	8.158	PB	745739	7253760	85.41%	4.876%
6	8.229	8.158	8.296	BV	524800	5180969	61.00%	3.483%
7	8.327	8.296	8.431	VB	769328	7575857	89.20%	5.093%
8	9.105	9.028	9.251	BB	731999	7538861	88.76%	5.068%
9	10.493	10.418	10.537	BV	719068	7439741	87.60%	5.002%
10	10.569	10.537	10.751	VB	643166	7559178	89.00%	5.082%
11	11.265	11.181	11.364	BB	724321	7586035	89.32%	5.100%
12	12.298	12.161	12.431	BB	673316	8375120	98.61%	5.630%
13	12.591	12.538	12.647	BV	693989	7896586	92.98%	5.309%
14	14.460	14.381	14.479	BV	593965	7040684	82.90%	4.733%
15	14.502	14.479	14.532	VV	591587	7073305	83.28%	4.755%
16	16.008	15.971	16.023	BV	513917	6953481	81.87%	4.675%
17	16.041	16.023	16.107	VV	602682	6930603	81.60%	4.659%
18	16.383	16.324	16.471	BV	509542	6649567	78.29%	4.470%
19	17.750	17.701	17.765	BV	524854	6723336	79.16%	4.520%
20	17.786	17.765	17.961	VV	455252	6590993	77.60%	4.431%
21	18.001	17.961	18.178	VB	443037	6333047	74.57%	4.258%

Sum of corrected areas: 148750083

Aromatic EPH 093024.M Mon Oct 14 06:23:20 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC101124AL\
Data File : FC067411.D
Signal(s) : FID1A.ch
Acq On : 11 Oct 2024 22:07
Operator : YP/AJ
Sample : PB164054BSD
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB164054BSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/14/2024
Supervised By :Ankita Jodhani 10/14/2024

Integration File: autoint1.e
Quant Time: Oct 14 03:25:28 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M
Quant Title : GC Extractables
QLast Update : Tue Oct 01 09:13:32 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
12) S	1-chlorooctadecane (S...	12.944	4391796	38.799 ug/ml
Spiked Amount	50.000		Recovery =	77.60%
	Target Compounds			
1) T	n-Nonane (C9)	3.276	2973066	23.454 ug/ml
2) T	n-Decane (C10)	4.342	3889911	30.262 ug/ml
4) T	n-Dodecane (C12)	6.360	4651378	35.845 ug/ml
6) T	n-Tetradecane (C14)	8.153	4944243	38.388 ug/ml
7) T	n-Hexadecane (C16)	9.752	5038099	37.847 ug/ml
8) T	n-Octadecane (C18)	11.192	5183054	38.223 ug/ml
10) T	n-Eicosane (C20)	12.501	5336780	40.873 ug/ml
11) T	n-Heneicosane (C21)	13.112	5146298	40.125 ug/ml
13) T	n-Docosane (C22)	13.697	5129946	40.176 ug/ml
14) T	n-Tetracosane (C24)	14.799	5076550	39.694 ug/ml
15) T	n-Hexacosane (C26)	15.819	5013846	39.765 ug/ml
16) T	n-Octacosane (C28)	16.768	4983828	39.671 ug/ml
17) T	n-Tricontane (C30)	17.654	5024232	39.001 ug/ml
18) T	n-Dotriacontane (C32)	18.486	4911329	39.313 ug/ml
19) T	n-Tetratriacontane (C34)	19.266	4506135	41.236 ug/mlm
20) T	n-Hexatriacontane (C36)	20.005	3794924	40.150 ug/mlm
21) T	n-Octatriacontane (C38)	20.732	3287683	37.488 ug/mlm
22) T	n-Tetracontane (C40)	21.622	2949828	34.281 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

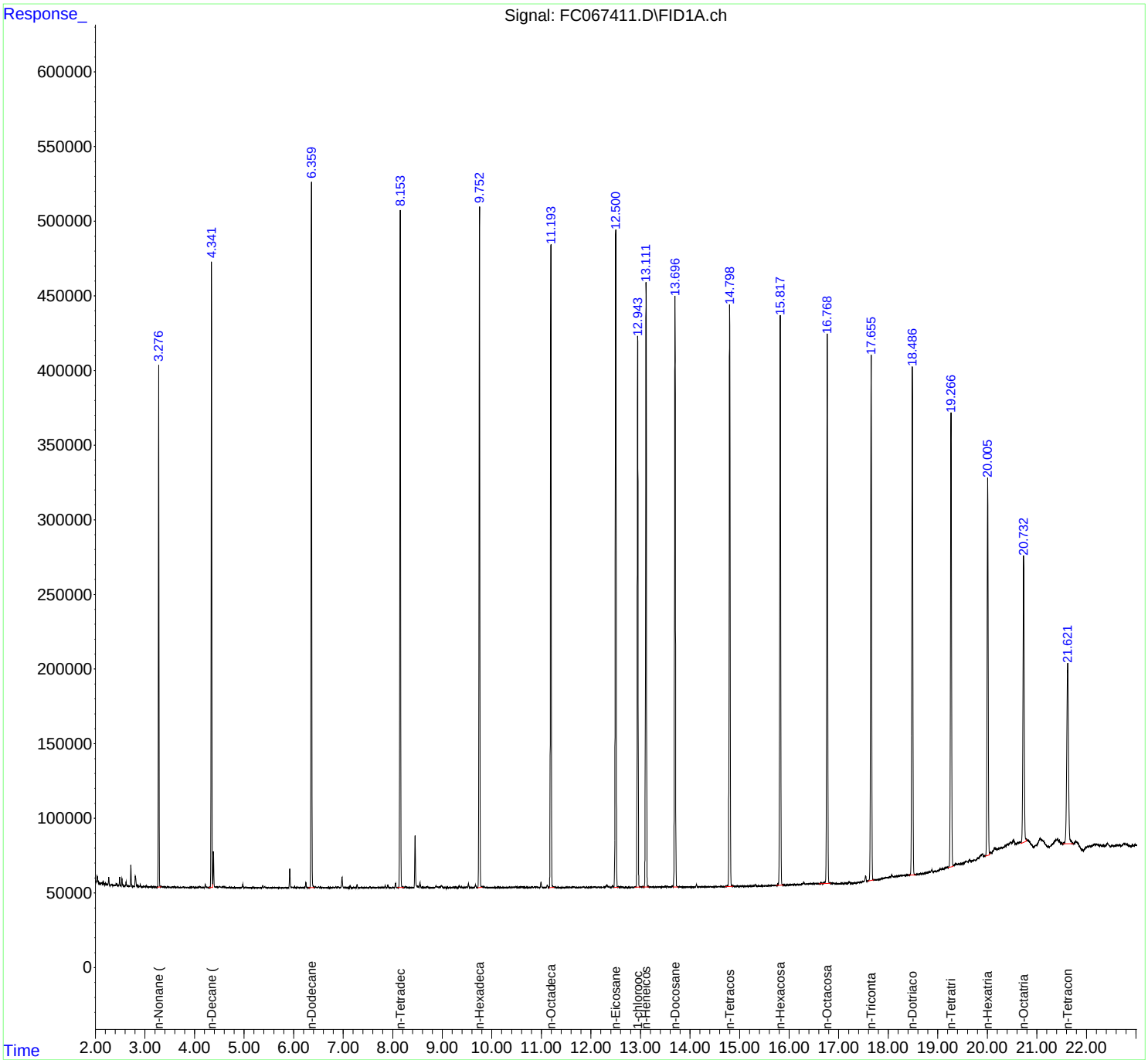
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC101124AL\
Data File : FC067411.D
Signal(s) : FID1A.ch
Acq On : 11 Oct 2024 22:07
Operator : YP/AJ
Sample : PB164054BSD
Misc :
ALS Vial : 20 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 14 03:25:28 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M
Quant Title : GC Extractables
QLast Update : Tue Oct 01 09:13:32 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

Instrument :
FID_C
ClientSampleId :
PB164054BSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/14/2024
Supervised By :Ankita Jodhani 10/14/2024



14

Instrument :
FID_C
ClientSampleId :
PB164054BSD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/14/2024
Supervised By :Ankita Jodhani 10/14/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC10112
Data File : FC067411.D
Signal(s) : FID1A.ch
Acq On : 11 Oct 2024 22:07
Sample : PB164054BSD
Misc :
ALS Vial : 20 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.276	3.245	3.328	BB	349521	2973066	55.71%	3.450%
2	4.342	4.285	4.366	BV	420386	3889911	72.89%	4.514%
3	6.360	6.293	6.420	BB	472429	4651378	87.16%	5.398%
4	8.153	8.090	8.222	BB	455558	4944243	92.64%	5.737%
5	9.752	9.713	9.807	BB	455639	5038099	94.40%	5.846%
6	11.192	11.153	11.260	BB	431020	5183054	97.12%	6.015%
7	12.501	12.462	12.558	PB	437914	5336780	100.00%	6.193%
8	12.944	12.880	13.002	BB	368911	4391796	82.29%	5.096%
9	13.112	13.043	13.173	BB	405193	5146298	96.43%	5.972%
10	13.697	13.660	13.762	VB	393528	5129946	96.12%	5.953%
11	14.799	14.708	14.870	BB	389944	5076550	95.12%	5.891%
12	15.819	15.735	15.887	BB	376315	5013846	93.95%	5.818%
13	16.768	16.597	16.838	BB	367579	4983828	93.39%	5.783%
14	17.654	17.588	17.718	BB	351220	5024232	94.14%	5.830%
15	18.486	18.415	18.557	BB	338726	4911329	92.03%	5.699%
16	19.266	19.217	19.309	M	304136	4496904	84.26%	5.218%
17	20.005	19.958	20.033	M	252209	3745599	70.18%	4.347%
18	20.732	20.672	20.793	M	192144	3287752	61.61%	3.815%
19	21.622	21.520	21.738	BV	121379	2949828	55.27%	3.423%
			Sum of corrected areas:			86174438		

Aliphatic EPH 100224.M Mon Oct 14 04:43:45 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD101124AR\
Data File : FD048463.D
Signal(s) : FID2B.ch
Acq On : 11 Oct 2024 22:44
Operator : YP/AJ
Sample : PB164054BSD
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB164054BSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/14/2024
Supervised By :Ankita Jodhani 10/14/2024

Integration File: autoint1.e
Quant Time: Oct 14 04:58:51 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.M
Quant Title : GC Extractables
QLast Update : Mon Sep 30 14:17:34 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
4)	S 2-Bromonaphthalene (S...	7.379	8378840	50.607 ug/ml
	Spiked Amount 50.000		Recovery = 101.21%	
6)	S 2-Flurobiphenyl (SURR)	8.229	5106679	49.243 ug/ml
	Spiked Amount 50.000 Range 0 - 131		Recovery = 98.49%	
11)	S ortho-Terphenyl (SURR)	11.265	7452371	40.503 ug/ml
	Spiked Amount 50.000		Recovery = 81.01%	
	Target Compounds			
1)	T 1,2,3-Trimethylbenzen...	4.201	5739792	32.751 ug/ml
2)	T Naphthalene (C11.7)	5.719	6729568	36.042 ug/ml
3)	T 2-Methylnaphthalene (...	6.766	6680058	35.346 ug/ml
5)	T Acenaphthylene (C15.06)	8.032	7121798	37.123 ug/ml
7)	T Acenaphthene (C15.5)	8.327	7439665	39.331 ug/ml
8)	T Flouorene (C16.55)	9.105	7374005	40.814 ug/ml
9)	T Phenanthrene (C19.36)	10.493	7289928	41.133 ug/ml
10)	T Anthracene (C19.43)	10.568	7434995	41.783 ug/ml
12)	T Fluoranthene (C21.85)	12.297	7358324	40.682 ug/mlm
13)	T Pyrene (C20.8)	12.591	7766872	43.374 ug/ml
14)	T Benzo[a]anthracene (C...	14.460	6949322	43.484 ug/ml
15)	T Chrysene (C27.41)	14.503	6981824	37.431 ug/ml
16)	T benzo[b]fluoranthene ...	16.008	6830078	41.011 ug/ml
17)	T Bnezo[k]fluoranthene ...	16.041	6865334	40.444 ug/ml
18)	T Benzo[a]pyrene (C31.34)	16.383	6559635	40.134 ug/ml
19)	T Indeno[1,2,3-cd]pyren...	17.749	6594316	50.132 ug/ml
20)	T Dibenz[a,h]anthracene...	17.786	6514510	38.931 ug/ml
21)	T Benzo[g,h,i]perylene ...	18.000	6240587	38.421 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

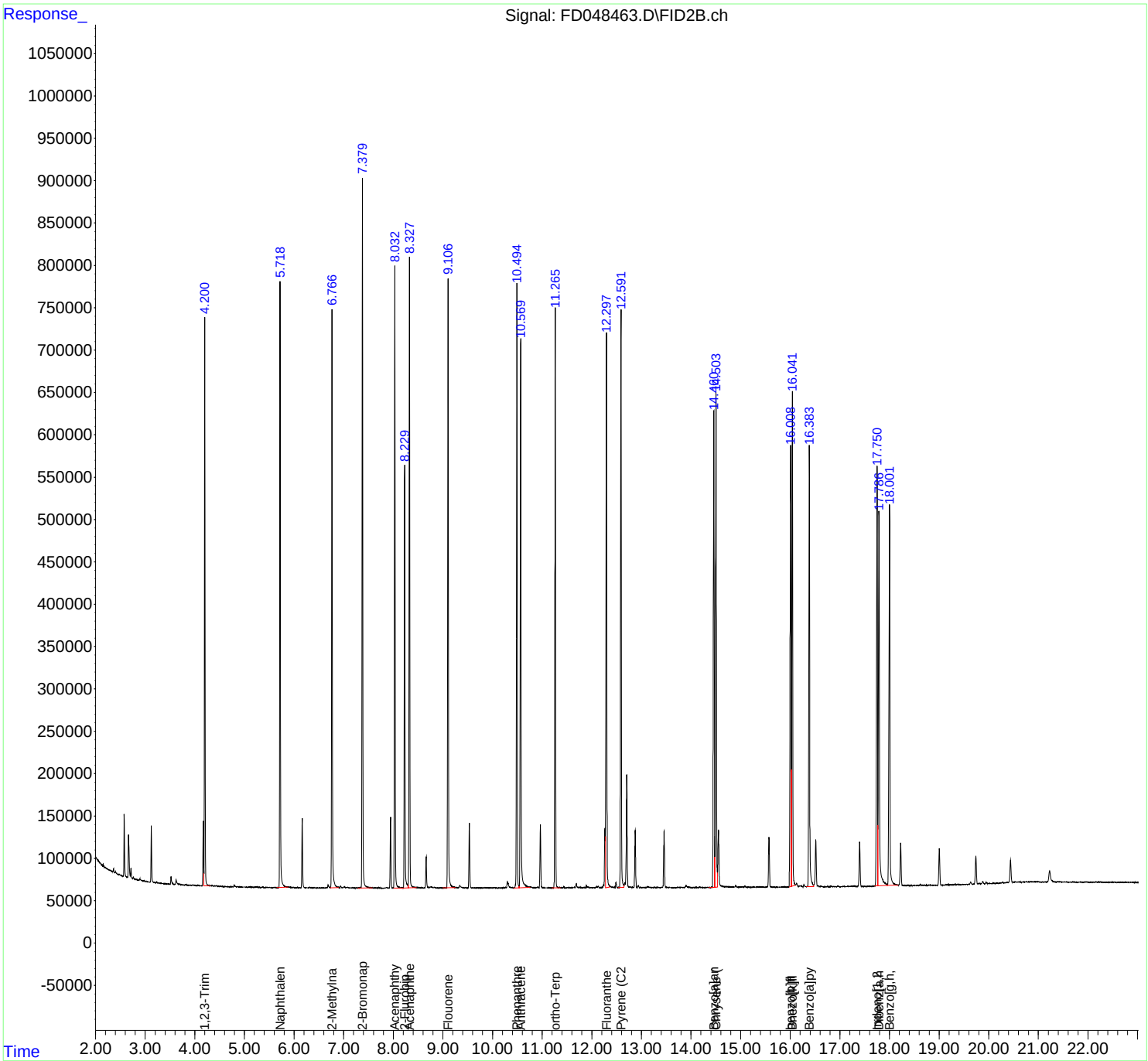
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD101124AR\
Data File : FD048463.D
Signal(s) : FID2B.ch
Acq On : 11 Oct 2024 22:44
Operator : YP/AJ
Sample : PB164054BSD
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB164054BSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/14/2024
Supervised By :Ankita Jodhani 10/14/2024

Integration File: autoint1.e
Quant Time: Oct 14 04:58:51 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.M
Quant Title : GC Extractables
QLast Update : Mon Sep 30 14:17:34 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm



Instrument :
FID_D
ClientSampleId :
PB164054BSD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/14/2024
Supervised By :Ankita Jodhani 10/14/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD10112
Data File : FD048463.D
Signal(s) : FID2B.ch
Acq On : 11 Oct 2024 22:44
Sample : PB164054BSD
Misc :
ALS Vial : 63 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.201	4.183	4.304	VB	666870	5739395	68.87%	3.930%
2	5.719	5.658	5.861	BB	712615	6707135	80.48%	4.593%
3	6.766	6.734	6.904	VB	674772	6674861	80.09%	4.570%
4	7.379	7.288	7.518	BB	826351	8334194	100.00%	5.707%
5	8.032	8.001	8.154	PB	725857	7095685	85.14%	4.859%
6	8.229	8.161	8.301	BV	504144	5080360	60.96%	3.479%
7	8.327	8.301	8.444	VB	747594	7416672	88.99%	5.078%
8	9.105	9.028	9.254	BB	709541	7381634	88.57%	5.054%
9	10.493	10.384	10.536	BV	721869	7263214	87.15%	4.973%
10	10.568	10.536	10.751	VV	646530	7417721	89.00%	5.079%
11	11.265	11.181	11.348	BB	685037	7439269	89.26%	5.094%
12	12.297	12.168	12.428	BB	659853	8214675	98.57%	5.625%
13	12.591	12.534	12.648	BV	684410	7764099	93.16%	5.316%
14	14.460	14.384	14.479	BV	565005	6940606	83.28%	4.752%
15	14.503	14.479	14.532	VV	595255	6976913	83.71%	4.777%
16	16.008	15.971	16.022	BV	519913	6830078	81.95%	4.677%
17	16.041	16.022	16.107	VV	582855	6865334	82.38%	4.701%
18	16.383	16.308	16.472	BV	528164	6552911	78.63%	4.487%
19	17.749	17.701	17.765	BV	483467	6594316	79.12%	4.515%
20	17.786	17.765	17.958	VV	449446	6514768	78.17%	4.461%
21	18.000	17.958	18.178	VB	454885	6240329	74.88%	4.273%

Sum of corrected areas: 146044168

Aromatic EPH 093024.M Mon Oct 14 06:23:57 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC101124AL\
Data File : FC067417.D
Signal(s) : FID1A.ch
Acq On : 12 Oct 2024 01:50
Operator : YP/AJ
Sample : P4258-03MS
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
Chamberlain AveMS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/14/2024
Supervised By :Ankita Jodhani 10/14/2024

Integration File: autoint1.e
Quant Time: Oct 14 03:26:29 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M
Quant Title : GC Extractables
QLast Update : Tue Oct 01 09:13:32 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
12) S	1-chlorooctadecane (S...	12.942	2825735	24.964 ug/ml
Spiked Amount	50.000		Recovery =	49.93%
	Target Compounds			
1) T	n-Nonane (C9)	3.276	3119774	24.612 ug/ml
2) T	n-Decane (C10)	4.342	3814667	29.676 ug/ml
4) T	n-Dodecane (C12)	6.359	4281840	32.998 ug/ml
6) T	n-Tetradecane (C14)	8.153	4550664	35.332 ug/ml
7) T	n-Hexadecane (C16)	9.752	4788294	35.970 ug/ml
8) T	n-Octadecane (C18)	11.192	5001743	36.885 ug/ml
10) T	n-Eicosane (C20)	12.500	5089832	38.982 ug/ml
11) T	n-Heneicosane (C21)	13.112	4907863	38.266 ug/ml
13) T	n-Docosane (C22)	13.697	4895767	38.342 ug/ml
14) T	n-Tetracosane (C24)	14.799	4852829	37.945 ug/ml
15) T	n-Hexacosane (C26)	15.818	4810559	38.153 ug/ml
16) T	n-Octacosane (C28)	16.768	4785460	38.092 ug/ml
17) T	n-Tricontane (C30)	17.653	4856449	37.698 ug/ml
18) T	n-Dotriacontane (C32)	18.485	4822889	38.605 ug/mlm
19) T	n-Tetratriacontane (C34)	19.267	4790118	43.834 ug/mlm
20) T	n-Hexatriacontane (C36)	20.008	4660090	49.304 ug/ml
21) T	n-Octatriacontane (C38)	20.733	4480511	51.089 ug/mlm
22) T	n-Tetracontane (C40)	21.623	4338434	50.419 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

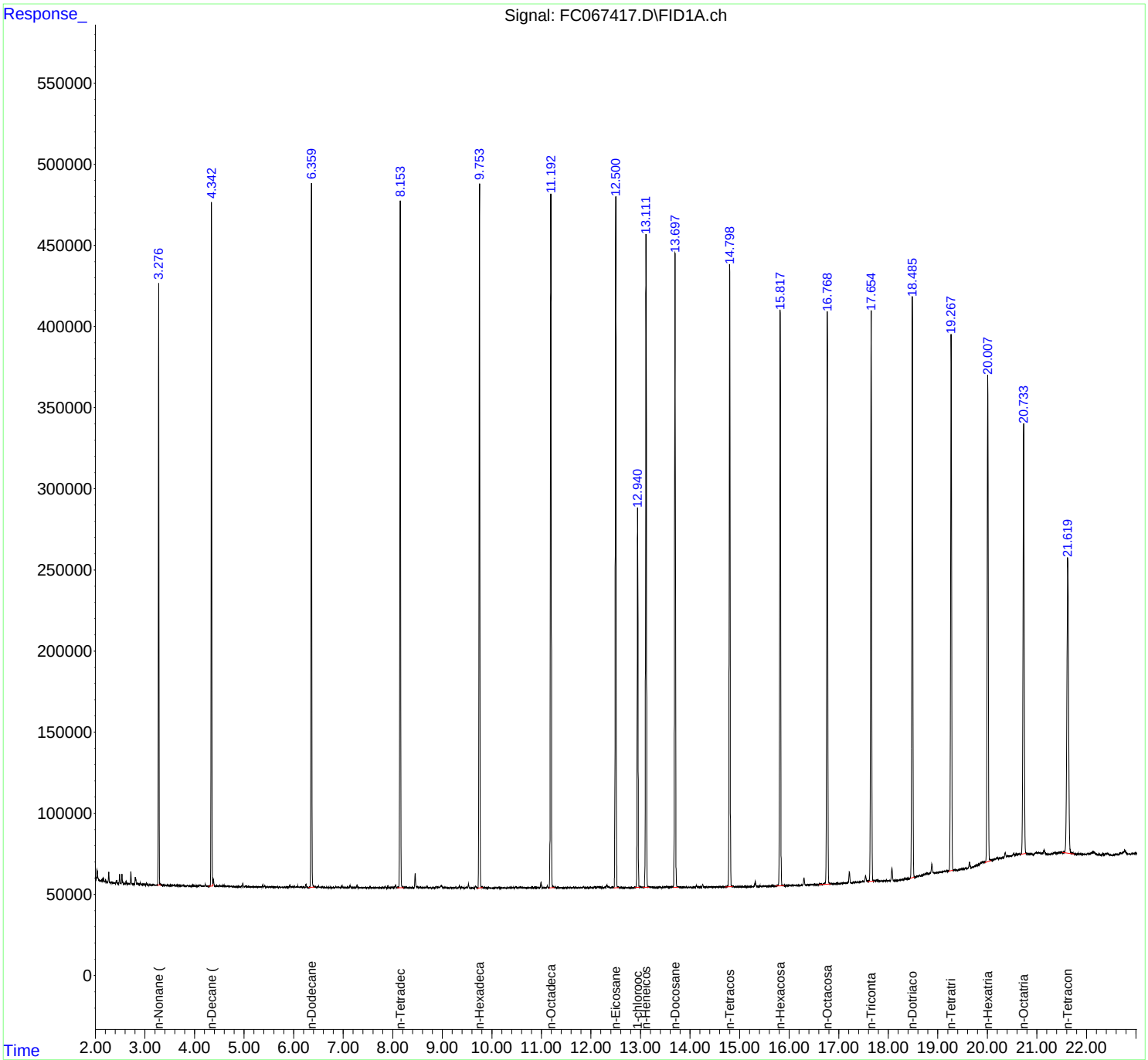
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC101124AL\
Data File : FC067417.D
Signal(s) : FID1A.ch
Acq On : 12 Oct 2024 01:50
Operator : YP/AJ
Sample : P4258-03MS
Misc :
ALS Vial : 26 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 14 03:26:29 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M
Quant Title : GC Extractables
QLast Update : Tue Oct 01 09:13:32 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

Instrument :
FID_C
ClientSampleId :
Chamberlain AveMS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/14/2024
Supervised By :Ankita Jodhani 10/14/2024



14

Instrument :
FID_C
ClientSampleId :
Chamberlain AveMS

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/14/2024
Supervised By :Ankita Jodhani 10/14/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC10112
Data File : FC067417.D
Signal(s) : FID1A.ch
Acq On : 12 Oct 2024 01:50
Sample : P4258-03MS
Misc :
ALS Vial : 26 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.276	3.245	3.327	BB	371030	3119774	61.29%	3.604%
2	4.342	4.282	4.370	BV	420712	3814667	74.95%	4.407%
3	4.382	4.370	4.422	VB	4233	42768	0.84%	0.049%
4	6.359	6.294	6.427	BB	430947	4281840	84.13%	4.947%
5	8.153	8.089	8.229	BB	422478	4550664	89.41%	5.257%
6	8.454	8.400	8.520	BB	8671	103519	2.03%	0.120%
7	9.752	9.709	9.817	BB	433770	4788294	94.08%	5.532%
8	10.993	10.937	11.034	BB	3582	43856	0.86%	0.051%
9	11.192	11.152	11.264	BB	427535	5001743	98.27%	5.778%
10	12.500	12.464	12.562	PB	425791	5089832	100.00%	5.880%
11	12.942	12.884	12.984	BB	232595	2825735	55.52%	3.265%
12	13.112	13.040	13.175	BB	401982	4907863	96.42%	5.670%
13	13.697	13.660	13.765	PB	390438	4895767	96.19%	5.656%
14	14.799	14.705	14.860	BB	381500	4852829	95.34%	5.606%
15	15.818	15.725	15.894	BB	353231	4810559	94.51%	5.558%
16	16.297	16.244	16.330	BB	4619	61008	1.20%	0.070%
17	16.768	16.597	16.839	BB	354086	4785460	94.02%	5.529%
18	17.214	17.157	17.255	BB	6910	97452	1.91%	0.113%
19	17.541	17.487	17.574	BB	3604	48975	0.96%	0.057%
20	17.653	17.587	17.720	BB	350903	4856449	95.41%	5.611%
21	18.073	18.014	18.105	BB	7734	111520	2.19%	0.129%
22	18.485	18.295	18.534	BB	359733	4816673	94.63%	5.565%
23	18.879	18.594	18.927	BB	5989	147780	2.90%	0.171%
24	19.268	19.089	19.325	BB	326863	4808840	94.48%	5.556%
25	19.640	19.387	19.669	BB	3492	51196	1.01%	0.059%
26	19.909	19.699	19.939	BB	1052	35859	0.70%	0.041%
27	20.008	19.955	20.082	BB	297878	4660090	91.56%	5.384%
28	20.359	20.104	20.385	BB	2633	68456	1.34%	0.079%
29	20.732	20.554	20.802	VB	264044	4540706	89.21%	5.246%
30	21.623	21.510	21.760	BB	179663	4338434	85.24%	5.012%

Sum of corrected areas: 86558607

Aliphatic EPH 100224.M Mon Oct 14 04:49:19 2024

Page 1

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD101124AR\
Data File : FD048469.D
Signal(s) : FID2B.ch
Acq On : 12 Oct 2024 02:27
Operator : YP/AJ
Sample : P4258-03MS
Misc :
ALS Vial : 69 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
Chamberlain AveMS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/14/2024
Supervised By :Ankita Jodhani 10/14/2024

Integration File: autoint1.e
Quant Time: Oct 14 04:59:47 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.M
Quant Title : GC Extractables
QLast Update : Mon Sep 30 14:17:34 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
4)	S 2-Bromonaphthalene (S...	7.380	9165846	55.360 ug/ml
	Spiked Amount 50.000		Recovery = 110.72%	
6)	S 2-Flurobiphenyl (SURR)	8.230	6055741	58.394 ug/ml
	Spiked Amount 50.000 Range 0 - 131		Recovery = 116.79%	
11)	S ortho-Terphenyl (SURR)	11.264	6078564	33.036 ug/ml
	Spiked Amount 50.000		Recovery = 66.07%	
	Target Compounds			
1)	T 1,2,3-Trimethylbenzen...	4.201	6804296	38.825 ug/ml
2)	T Naphthalene (C11.7)	5.718	7636087	40.897 ug/ml
3)	T 2-Methylnaphthalene (...	6.766	7461129	39.479 ug/ml
5)	T Acenaphthylene (C15.06)	8.033	8007428	41.740 ug/ml
7)	T Acenaphthene (C15.5)	8.328	8415054	44.487 ug/ml
8)	T Flouorene (C16.55)	9.106	8517431	47.143 ug/ml
9)	T Phenanthrene (C19.36)	10.494	8621800	48.647 ug/ml
10)	T Anthracene (C19.43)	10.570	8690793	48.841 ug/ml
12)	T Fluoranthene (C21.85)	12.299	8849333	48.926 ug/mlm
13)	T Pyrene (C20.8)	12.593	9176010	51.243 ug/ml
14)	T Benzo[a]anthracene (C...	14.461	8197557	51.294 ug/ml
15)	T Chrysene (C27.41)	14.506	8265398	44.312 ug/ml
16)	T benzo[b]fluoranthene ...	16.011	8075583	48.490 ug/ml
17)	T Bnezo[k]fluoranthene ...	16.045	7987793	47.057 ug/ml
18)	T Benzo[a]pyrene (C31.34)	16.386	7704771	47.140 ug/ml
19)	T Indeno[1,2,3-cd]pyren...	17.754	8259381	62.790 ug/ml
20)	T Dibenz[a,h]anthracene...	17.791	7749069	46.309 ug/ml
21)	T Benzo[g,h,i]perylene ...	18.006	7388593	45.489 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

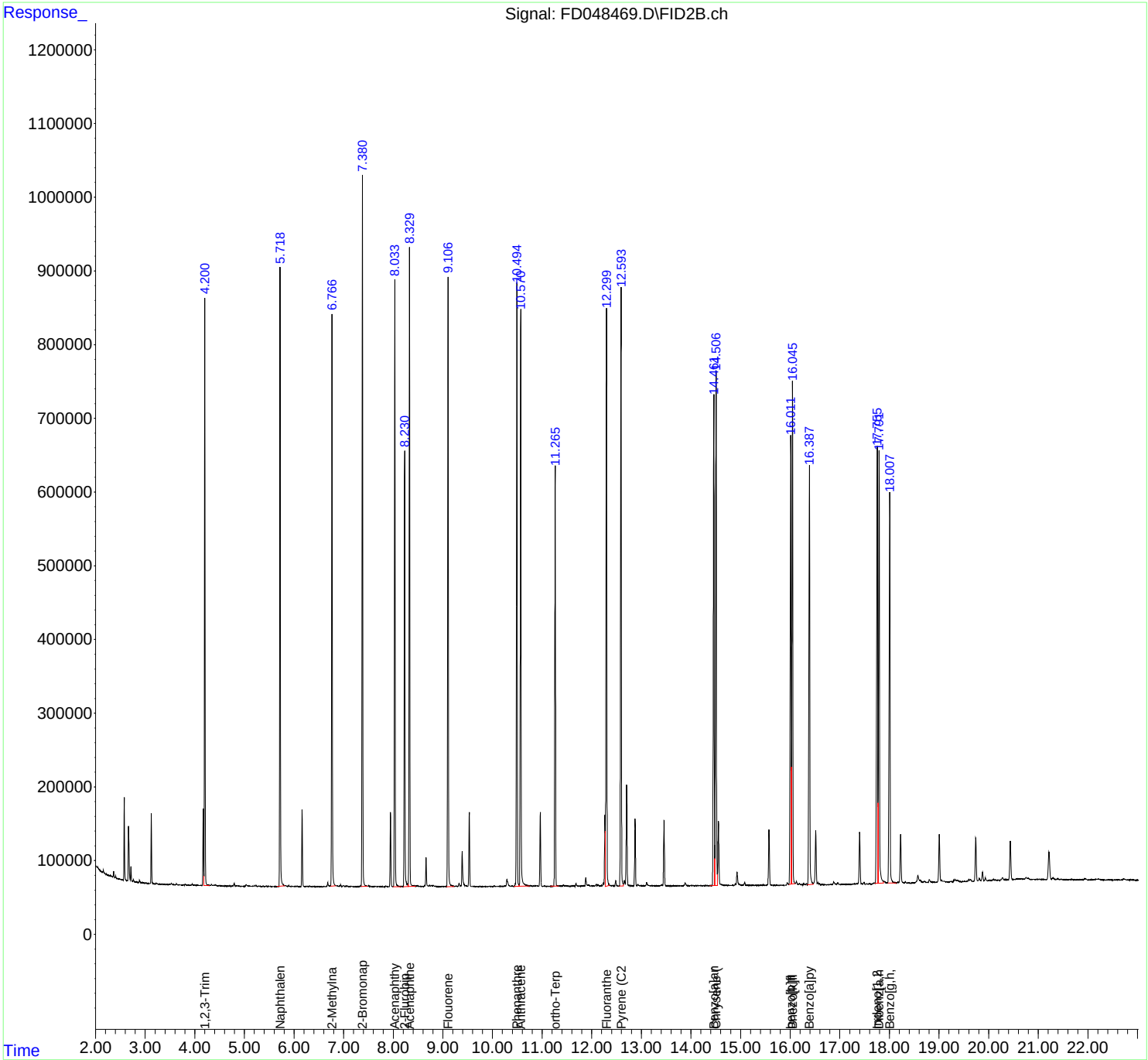
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD101124AR\
Data File : FD048469.D
Signal(s) : FID2B.ch
Acq On : 12 Oct 2024 02:27
Operator : YP/AJ
Sample : P4258-03MS
Misc :
ALS Vial : 69 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
Chamberlain AveMS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/14/2024
Supervised By :Ankita Jodhani 10/14/2024

Integration File: autoint1.e
Quant Time: Oct 14 04:59:47 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.M
Quant Title : GC Extractables
QLast Update : Mon Sep 30 14:17:34 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm



Instrument :
FID_D
ClientSampleId :
Chamberlain AveMS

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/14/2024
Supervised By :Ankita Jodhani 10/14/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD10112
Data File : FD048469.D
Signal(s) : FID2B.ch
Acq On : 12 Oct 2024 02:27
Sample : P4258-03MS
Misc :
ALS Vial : 69 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.170	4.108	4.183	BV	103271	898789	9.13%	0.492%
2	4.201	4.183	4.298	VB	796043	6801152	69.09%	3.723%
3	5.719	5.644	5.816	BV	833664	7633400	77.55%	4.178%
4	6.164	6.094	6.228	BB	104114	1012676	10.29%	0.554%
5	6.766	6.734	6.901	VV	764105	7521085	76.40%	4.117%
6	7.380	7.350	7.484	VV	971298	9168688	93.14%	5.019%
7	7.946	7.878	7.994	BV	100891	1043520	10.60%	0.571%
8	8.033	7.994	8.154	PB	812459	8006061	81.33%	4.382%
9	8.230	8.194	8.301	BV	598449	6048558	61.45%	3.311%
10	8.328	8.301	8.418	VB	856218	8388005	85.21%	4.591%
11	8.662	8.478	8.718	BV	38357	334909	3.40%	0.183%
12	9.106	9.061	9.231	BB	818482	8479551	86.14%	4.641%
13	9.390	9.351	9.501	VV	47061	623848	6.34%	0.341%
14	9.533	9.501	9.568	VB	100351	1069742	10.87%	0.586%
15	10.292	10.161	10.368	BV	9281	181790	1.85%	0.100%
16	10.494	10.424	10.537	BV	820830	8620790	87.58%	4.719%
17	10.570	10.537	10.748	VB	790610	8689099	88.27%	4.756%
18	10.965	10.924	11.018	BV	99836	1096669	11.14%	0.600%
19	11.264	11.074	11.334	BB	570261	6066554	61.63%	3.321%
20	11.881	11.751	11.918	BV	10600	117361	1.19%	0.064%
21	12.299	12.154	12.411	PB	767711	9843723	100.00%	5.388%
22	12.483	12.411	12.554	BV	7037	76502	0.78%	0.042%
23	12.593	12.554	12.639	PV	827107	9171211	93.17%	5.020%
24	12.705	12.677	12.778	VB	137353	1595559	16.21%	0.873%
25	12.874	12.781	12.911	BV	91258	1047580	10.64%	0.573%
26	13.458	13.427	13.534	VB	88931	1051844	10.69%	0.576%
27	14.461	14.381	14.480	BV	668209	8190942	83.21%	4.483%
28	14.506	14.480	14.532	VV	691157	8258293	83.89%	4.520%
29	14.554	14.532	14.654	VB	87343	1169907	11.88%	0.640%
30	14.929	14.905	15.038	VB	18092	296464	3.01%	0.162%
31	15.572	15.381	15.648	BB	75798	993033	10.09%	0.544%
32	16.011	15.971	16.025	BV	612214	8075583	82.04%	4.420%
33	16.045	16.025	16.102	VV	674876	7987793	81.15%	4.372%
34	16.386	16.348	16.461	PV	576892	7702978	78.25%	4.216%
35	16.514	16.461	16.544	VV	72164	994323	10.10%	0.544%
36	17.398	17.184	17.458	BV	70324	977885	9.93%	0.535%

Instrument :
FID_D
ClientSampleId :
Chamberlain AveMS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/14/2024
Supervised By :Ankita Jodhani 10/14/2024

rteres

37	17.754	17.701	17.769	BV	587984	8259381	83.91%	4.521%
38	17.791	17.769	17.958	VV	587701	7810938	79	
39	18.006	17.958	18.144	VV	525405	7389324	75	

Sum of corrected areas: 182

Aromatic EPH 093024.M Mon Oct 14 06:26:50 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC101124AL\
Data File : FC067418.D
Signal(s) : FID1A.ch
Acq On : 12 Oct 2024 02:27
Operator : YP/AJ
Sample : P4258-03MSD
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
Chamberlain AveMSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/14/2024
Supervised By :Ankita Jodhani 10/14/2024

Integration File: autoint1.e
Quant Time: Oct 14 03:26:40 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M
Quant Title : GC Extractables
QLast Update : Tue Oct 01 09:13:32 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
12) S	1-chlorooctadecane (S...	12.941	2940829	25.981 ug/ml
Spiked Amount	50.000		Recovery =	51.96%
	Target Compounds			
1) T	n-Nonane (C9)	3.276	3148648	24.840 ug/ml
2) T	n-Decane (C10)	4.342	3838839	29.864 ug/ml
4) T	n-Dodecane (C12)	6.359	4304922	33.176 ug/ml
6) T	n-Tetradecane (C14)	8.153	4571910	35.497 ug/ml
7) T	n-Hexadecane (C16)	9.751	4810404	36.136 ug/ml
8) T	n-Octadecane (C18)	11.192	5031659	37.106 ug/ml
10) T	n-Eicosane (C20)	12.500	5127221	39.268 ug/ml
11) T	n-Heneicosane (C21)	13.111	4946452	38.567 ug/ml
13) T	n-Docosane (C22)	13.696	4939391	38.683 ug/ml
14) T	n-Tetracosane (C24)	14.798	4904695	38.350 ug/ml
15) T	n-Hexacosane (C26)	15.817	4867369	38.604 ug/ml
16) T	n-Octacosane (C28)	16.766	4829786	38.445 ug/ml
17) T	n-Tricontane (C30)	17.654	4880170	37.882 ug/ml
18) T	n-Dotriacontane (C32)	18.486	4843435	38.770 ug/ml
19) T	n-Tetratriacontane (C34)	19.268	4805984	43.980 ug/ml
20) T	n-Hexatriacontane (C36)	20.007	4692072	49.642 ug/ml
21) T	n-Octatriacontane (C38)	20.731	4521166	51.553 ug/mlm
22) T	n-Tetracontane (C40)	21.622	4337947	50.413 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

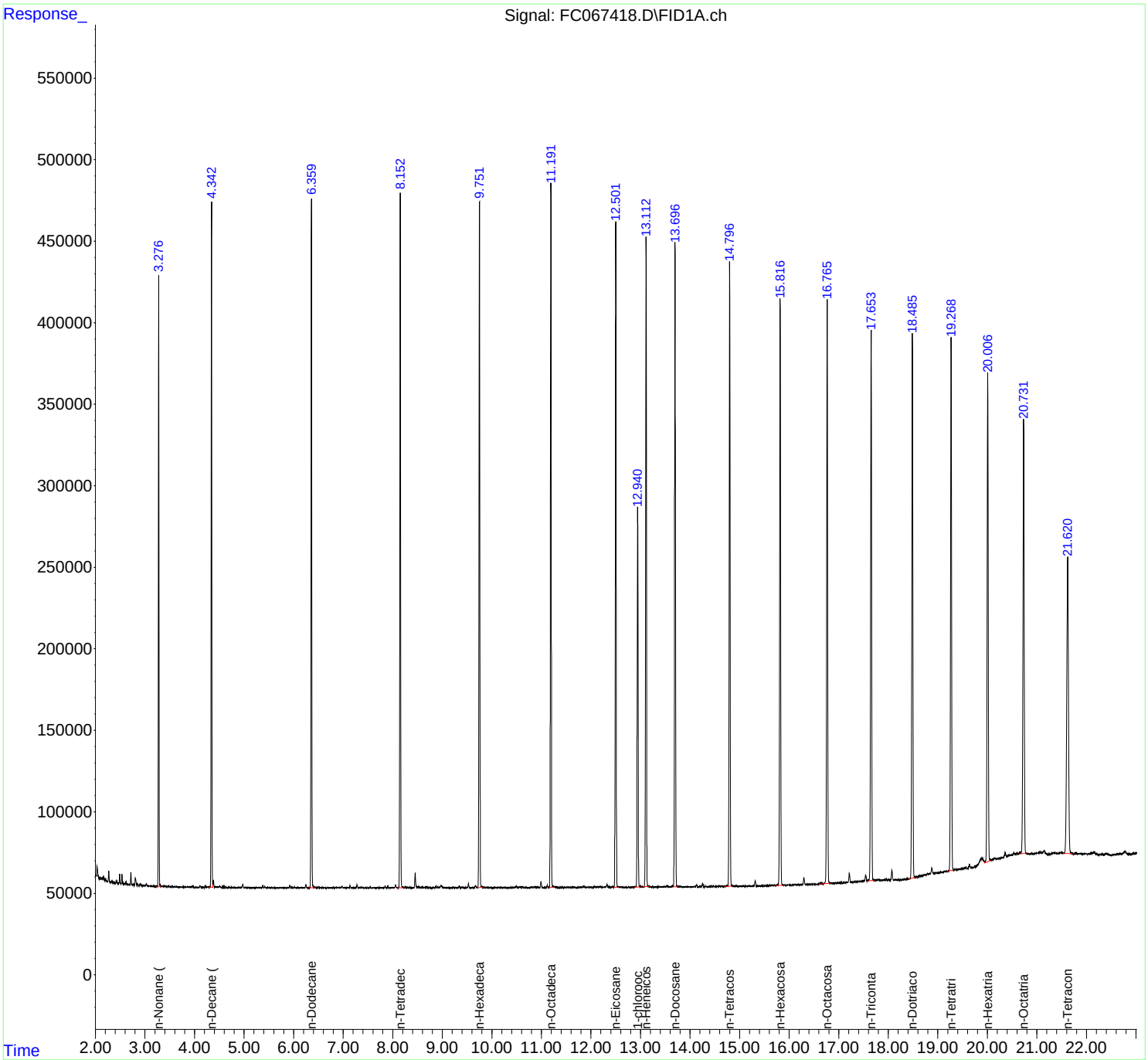
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC101124AL\
Data File : FC067418.D
Signal(s) : FID1A.ch
Acq On : 12 Oct 2024 02:27
Operator : YP/AJ
Sample : P4258-03MSD
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
Chamberlain AveMSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/14/2024
Supervised By :Ankita Jodhani 10/14/2024

Integration File: autoint1.e
Quant Time: Oct 14 03:26:40 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M
Quant Title : GC Extractables
QLast Update : Tue Oct 01 09:13:32 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um



14

Instrument :
FID_C
ClientSampleId :
Chamberlain AveMSD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/14/2024
Supervised By :Ankita Jodhani 10/14/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC10112
Data File : FC067418.D
Signal(s) : FID1A.ch
Acq On : 12 Oct 2024 02:27
Sample : P4258-03MSD
Misc :
ALS Vial : 27 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.276	3.245	3.334	BB	374259	3148648	61.41%	3.614%
2	4.342	4.284	4.370	BV	418755	3838839	74.87%	4.406%
3	4.382	4.370	4.412	VB	4236	42710	0.83%	0.049%
4	6.359	6.294	6.429	BB	422557	4304922	83.96%	4.941%
5	8.153	8.089	8.219	BB	426277	4571910	89.17%	5.247%
6	8.454	8.344	8.492	BB	8512	80935	1.58%	0.093%
7	9.751	9.707	9.807	BB	421991	4810404	93.82%	5.521%
8	10.993	10.944	11.029	BB	3773	42515	0.83%	0.049%
9	11.192	11.154	11.259	BB	429944	5031659	98.14%	5.775%
10	12.500	12.464	12.559	PB	404869	5127221	100.00%	5.885%
11	12.941	12.870	13.004	BB	232586	2940829	57.36%	3.375%
12	13.111	13.044	13.174	BB	399827	4946452	96.47%	5.677%
13	13.696	13.659	13.762	PB	395523	4939391	96.34%	5.669%
14	14.798	14.705	14.857	BB	381262	4904695	95.66%	5.629%
15	15.817	15.725	15.889	BB	359791	4867369	94.93%	5.586%
16	16.296	16.237	16.329	BB	4340	59701	1.16%	0.069%
17	16.766	16.609	16.832	BB	357118	4829786	94.20%	5.543%
18	17.214	17.160	17.257	BB	5673	82516	1.61%	0.095%
19	17.542	17.487	17.574	BB	3577	48642	0.95%	0.056%
20	17.654	17.589	17.715	BB	334935	4880170	95.18%	5.601%
21	18.072	18.019	18.107	BB	5958	82120	1.60%	0.094%
22	18.486	18.412	18.547	BB	333421	4843435	94.47%	5.559%
23	18.879	18.757	18.920	BB	3640	64730	1.26%	0.074%
24	19.268	19.192	19.327	BB	327271	4805984	93.73%	5.516%
25	19.885	19.705	19.942	BV	3530	175020	3.41%	0.201%
26	20.007	19.942	20.085	VB	298924	4692072	91.51%	5.385%
27	20.358	20.087	20.394	BB	2532	50141	0.98%	0.058%
28	20.732	20.560	20.817	BB	265727	4578847	89.30%	5.255%
29	21.622	21.525	21.744	BB	181263	4337947	84.61%	4.979%
			Sum of corrected areas:			87129611		

Aliphatic EPH 100224.M Mon Oct 14 04:49:32 2024

Page 1

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD101124AR\
Data File : FD048470.D
Signal(s) : FID2B.ch
Acq On : 12 Oct 2024 03:04
Operator : YP/AJ
Sample : P4258-03MSD
Misc :
ALS Vial : 70 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
Chamberlain AveMSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/14/2024
Supervised By :Ankita Jodhani 10/14/2024

Integration File: autoint1.e
Quant Time: Oct 14 04:59:57 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.M
Quant Title : GC Extractables
QLast Update : Mon Sep 30 14:17:34 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
4) S	2-Bromonaphthalene (S...	7.379	9001040	54.365 ug/ml
Spiked Amount	50.000		Recovery =	108.73%
6) S	2-Flurobiphenyl (SURR)	8.230	5945022	57.327 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	114.65%
11) S	ortho-Terphenyl (SURR)	11.264	5967413	32.432 ug/ml
Spiked Amount	50.000		Recovery =	64.86%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.201	6669548	38.056 ug/ml
2) T	Naphthalene (C11.7)	5.719	7500518	40.171 ug/ml
3) T	2-Methylnaphthalene (...	6.766	7379606	39.048 ug/ml
5) T	Acenaphthylene (C15.06)	8.032	7873521	41.042 ug/ml
7) T	Acenaphthene (C15.5)	8.328	8259491	43.665 ug/ml
8) T	Flouorene (C16.55)	9.106	8333993	46.127 ug/ml
9) T	Phenanthrene (C19.36)	10.494	8468422	47.782 ug/ml
10) T	Anthracene (C19.43)	10.569	8539180	47.989 ug/ml
12) T	Fluoranthene (C21.85)	12.299	8598419	47.538 ug/mlm
13) T	Pyrene (C20.8)	12.592	9012549	50.330 ug/ml
14) T	Benzo[a]anthracene (C...	14.461	8079417	50.555 ug/ml
15) T	Chrysene (C27.41)	14.505	8146970	43.677 ug/ml
16) T	benzo[b]fluoranthene ...	16.010	7937093	47.658 ug/ml
17) T	Bnezo[k]fluoranthene ...	16.046	7890783	46.485 ug/ml
18) T	Benzo[a]pyrene (C31.34)	16.386	7585273	46.409 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	17.753	8136296	61.854 ug/ml
20) T	Dibenz[a,h]anthracene...	17.791	7663610	45.798 ug/ml
21) T	Benzo[g,h,i]perylene ...	18.005	7276693	44.800 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

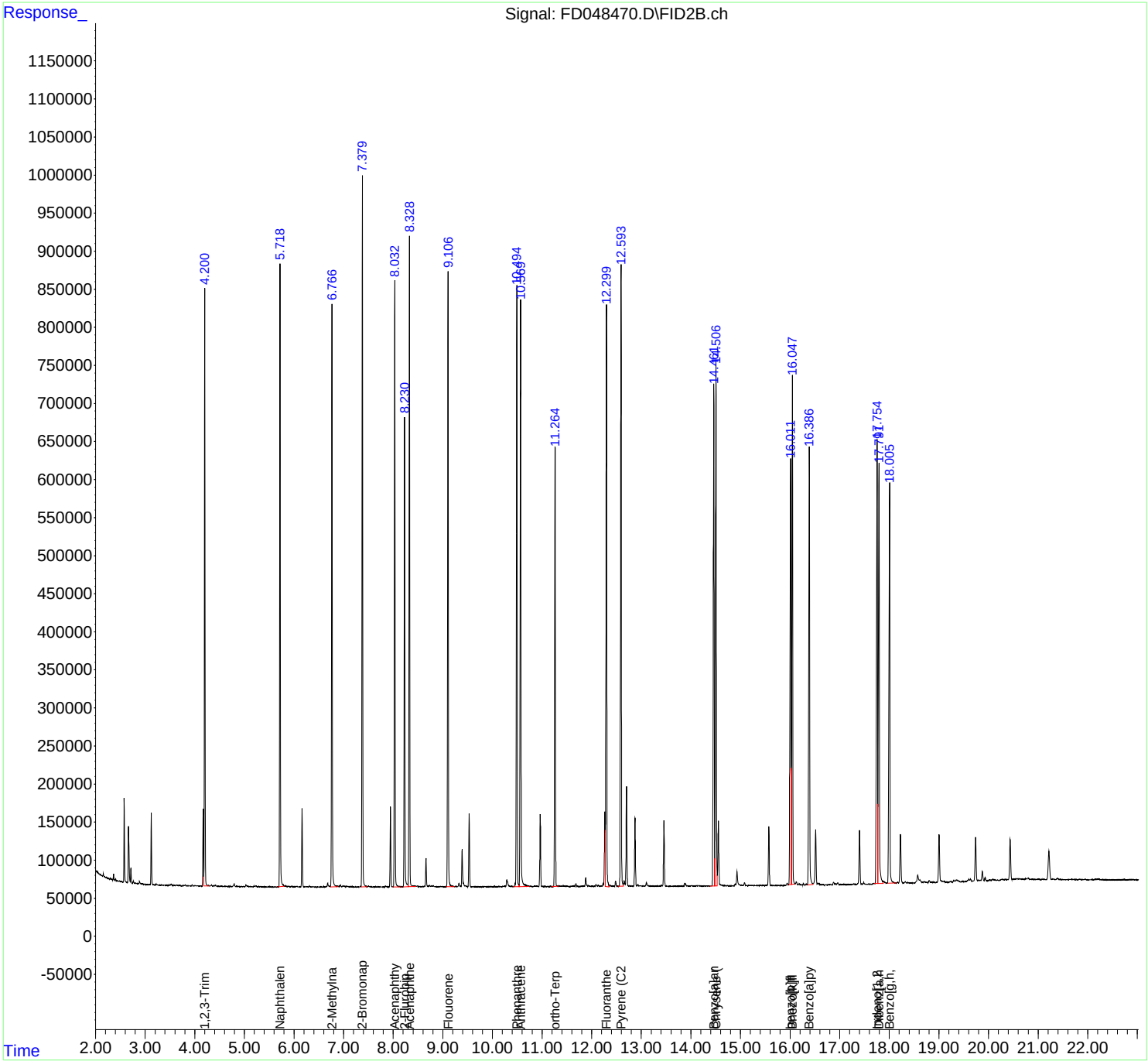
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD101124AR\
Data File : FD048470.D
Signal(s) : FID2B.ch
Acq On : 12 Oct 2024 03:04
Operator : YP/AJ
Sample : P4258-03MSD
Misc :
ALS Vial : 70 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
Chamberlain AveMSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/14/2024
Supervised By :Ankita Jodhani 10/14/2024

Integration File: autoint1.e
Quant Time: Oct 14 04:59:57 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.M
Quant Title : GC Extractables
QLast Update : Mon Sep 30 14:17:34 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm



Instrument :
FID_D
ClientSampleId :
Chamberlain AveMSD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/14/2024
Supervised By :Ankita Jodhani 10/14/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD10112
Data File : FD048470.D
Signal(s) : FID2B.ch
Acq On : 12 Oct 2024 03:04
Sample : P4258-03MSD
Misc :
ALS Vial : 70 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.201	4.183	4.298	VB	782721	6670637	69.48%	3.736%
2	5.719	5.658	5.815	BV	812917	7496981	78.08%	4.199%
3	6.164	6.101	6.228	BB	103136	989645	10.31%	0.554%
4	6.766	6.735	6.898	VB	751550	7375179	76.82%	4.131%
5	7.379	7.350	7.478	PB	917872	9000697	93.75%	5.041%
6	7.946	7.881	7.995	BV	104826	1022588	10.65%	0.573%
7	8.032	7.995	8.118	PB	791401	7836786	81.62%	4.389%
8	8.230	8.198	8.301	PV	616161	5941000	61.88%	3.327%
9	8.328	8.301	8.421	VB	851815	8239297	85.82%	4.614%
10	8.663	8.521	8.715	BV	37116	368961	3.84%	0.207%
11	9.106	9.008	9.225	BB	823461	8323630	86.69%	4.662%
12	9.390	9.350	9.468	VB	48081	570574	5.94%	0.320%
13	9.533	9.475	9.591	BB	95427	1033079	10.76%	0.579%
14	10.291	10.065	10.361	BB	9018	194109	2.02%	0.109%
15	10.494	10.418	10.536	BV	795212	8467814	88.20%	4.742%
16	10.569	10.536	10.745	VB	759315	8534700	88.89%	4.780%
17	10.965	10.921	11.011	BV	95722	1075603	11.20%	0.602%
18	11.264	11.195	11.328	BB	576588	5970187	62.18%	3.344%
19	11.880	11.718	11.918	BV	10621	117896	1.23%	0.066%
20	12.298	12.241	12.401	VB	759954	9601081	100.00%	5.377%
21	12.482	12.425	12.525	BB	6957	78770	0.82%	0.044%
22	12.592	12.558	12.637	BV	801663	9009957	93.84%	5.046%
23	12.656	12.637	12.678	VV	7136	104302	1.09%	0.058%
24	12.704	12.678	12.778	VB	131072	1565365	16.30%	0.877%
25	12.875	12.798	12.906	BV	89959	1029531	10.72%	0.577%
26	13.457	13.427	13.525	VB	85982	1032393	10.75%	0.578%
27	14.461	14.345	14.480	BV	659476	8056732	83.91%	4.512%
28	14.505	14.480	14.532	VV	682487	8139563	84.78%	4.559%
29	14.554	14.532	14.645	VB	84494	1135425	11.83%	0.636%
30	14.928	14.904	15.015	VB	18242	284470	2.96%	0.159%
31	15.571	15.355	15.648	BB	77150	1000257	10.42%	0.560%
32	16.010	15.971	16.025	BV	567199	7937093	82.67%	4.445%
33	16.046	16.025	16.098	VV	654774	7890783	82.19%	4.419%
34	16.386	16.348	16.461	PV	571116	7585273	79.00%	4.248%
35	16.514	16.461	16.543	VV	71537	981658	10.22%	0.550%
36	17.399	17.315	17.455	BV	70829	940463	9.80%	0.527%

Instrument :
FID_D
ClientSampleId :
Chamberlain AveMSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/14/2024
Supervised By :Ankita Jodhani 10/14/2024

rteres

37	17.753	17.701	17.768	BV	588366	8119567	84.57%	4.547%
38	17.791	17.768	17.877	VV	552690	7564557	78	
39	18.005	17.948	18.141	BB	523371	7267454	75	

Sum of corrected areas: 1785

Aromatic EPH 093024.M Mon Oct 14 06:27:06 2024

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Manual Integration Report

Sequence:	FC100224AL	Instrument	FID_c

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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Manual Integration Report

Sequence:	FC101124AL	Instrument	FID_c

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P4376-01	FC067403.D	ortho-Terphenyl (SURR)	yogesh	10/14/2024 8:48:43 AM	Ankita	10/14/2024 9:12:28	Peak Integrated by Software
P4376-01D	FC067404.D	ortho-Terphenyl (SURR)	yogesh	10/14/2024 8:48:45 AM	Ankita	10/14/2024 9:12:29	Peak Integrated by Software
P4376-01MS	FC067405.D	A~Naphthalene (C11.7)	yogesh	10/14/2024 8:48:48 AM	Ankita	10/14/2024 9:12:31	Peak Integrated by Software
P4376-01MS	FC067405.D	n-Dotriacontane (C32)	yogesh	10/14/2024 8:48:48 AM	Ankita	10/14/2024 9:12:31	Peak Integrated by Software
P4376-01MS	FC067405.D	n-Hexatriacontane (C36)	yogesh	10/14/2024 8:48:48 AM	Ankita	10/14/2024 9:12:31	Peak Integrated by Software
P4376-01MS	FC067405.D	n-Octacosane (C28)	yogesh	10/14/2024 8:48:48 AM	Ankita	10/14/2024 9:12:31	Peak Integrated by Software
P4376-01MS	FC067405.D	n-Octatriacontane (C38)	yogesh	10/14/2024 8:48:48 AM	Ankita	10/14/2024 9:12:31	Peak Integrated by Software
P4376-01MS	FC067405.D	n-Tetracontane (C40)	yogesh	10/14/2024 8:48:48 AM	Ankita	10/14/2024 9:12:31	Peak Integrated by Software
P4376-01MS	FC067405.D	n-Tetratriacontane (C34)	yogesh	10/14/2024 8:48:48 AM	Ankita	10/14/2024 9:12:31	Peak Integrated by Software
P4376-01MS	FC067405.D	n-Tricontane (C30)	yogesh	10/14/2024 8:48:48 AM	Ankita	10/14/2024 9:12:31	Peak Integrated by Software
P4376-01MS	FC067405.D	ortho-Terphenyl (SURR)	yogesh	10/14/2024 8:48:48 AM	Ankita	10/14/2024 9:12:31	Peak Integrated by Software
P4376-01MSD	FC067406.D	A~Naphthalene (C11.7)	yogesh	10/14/2024 8:48:50 AM	Ankita	10/14/2024 9:12:32	Peak Integrated by Software
P4376-01MSD	FC067406.D	n-Dotriacontane (C32)	yogesh	10/14/2024 8:48:50 AM	Ankita	10/14/2024 9:12:32	Peak Integrated by Software

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Manual Integration Report

Sequence:	FC101124AL	Instrument	FID_c

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P4376-01MSD	FC067406.D	n-Hexatriacontane (C36)	yogesh	10/14/2024 8:48:50 AM	Ankita	10/14/2024 9:12:32	Peak Integrated by Software
P4376-01MSD	FC067406.D	n-Octacosane (C28)	yogesh	10/14/2024 8:48:50 AM	Ankita	10/14/2024 9:12:32	Peak Integrated by Software
P4376-01MSD	FC067406.D	n-Octatriacontane (C38)	yogesh	10/14/2024 8:48:50 AM	Ankita	10/14/2024 9:12:32	Peak Integrated by Software
P4376-01MSD	FC067406.D	n-Tetracontane (C40)	yogesh	10/14/2024 8:48:50 AM	Ankita	10/14/2024 9:12:32	Peak Integrated by Software
P4376-01MSD	FC067406.D	n-Tetratriacontane (C34)	yogesh	10/14/2024 8:48:50 AM	Ankita	10/14/2024 9:12:32	Peak Integrated by Software
P4376-01MSD	FC067406.D	n-Tricontane (C30)	yogesh	10/14/2024 8:48:50 AM	Ankita	10/14/2024 9:12:32	Peak Integrated by Software
P4376-01MSD	FC067406.D	ortho-Terphenyl (SURR)	yogesh	10/14/2024 8:48:50 AM	Ankita	10/14/2024 9:12:32	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC067408.D	n-Dotriacontane (C32)	yogesh	10/14/2024 8:48:52 AM	Ankita	10/14/2024 9:12:34	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC067408.D	n-Hexatriacontane (C36)	yogesh	10/14/2024 8:48:52 AM	Ankita	10/14/2024 9:12:34	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC067408.D	n-Octacosane (C28)	yogesh	10/14/2024 8:48:52 AM	Ankita	10/14/2024 9:12:34	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC067408.D	n-Octatriacontane (C38)	yogesh	10/14/2024 8:48:52 AM	Ankita	10/14/2024 9:12:34	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC067408.D	n-Tetracontane (C40)	yogesh	10/14/2024 8:48:52 AM	Ankita	10/14/2024 9:12:34	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC067408.D	n-Tetratriacontane (C34)	yogesh	10/14/2024 8:48:52 AM	Ankita	10/14/2024 9:12:34	Peak Integrated by Software

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Manual Integration Report

Sequence:	FC101124AL	Instrument	FID_c

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB164054BS	FC067410.D	n-Octatriacontane (C38)	yogesh	10/14/2024 8:48:54 AM	Ankita	10/14/2024 9:12:36	Peak Integrated by Software
PB164054BS	FC067410.D	n-Tetracontane (C40)	yogesh	10/14/2024 8:48:54 AM	Ankita	10/14/2024 9:12:36	Peak Integrated by Software
PB164054BS	FC067410.D	n-Tetratriacontane (C34)	yogesh	10/14/2024 8:48:54 AM	Ankita	10/14/2024 9:12:36	Peak Integrated by Software
PB164054BSD	FC067411.D	n-Hexatriacontane (C36)	yogesh	10/14/2024 8:48:56 AM	Ankita	10/14/2024 9:12:37	Peak Integrated by Software
PB164054BSD	FC067411.D	n-Octatriacontane (C38)	yogesh	10/14/2024 8:48:56 AM	Ankita	10/14/2024 9:12:37	Peak Integrated by Software
PB164054BSD	FC067411.D	n-Tetratriacontane (C34)	yogesh	10/14/2024 8:48:56 AM	Ankita	10/14/2024 9:12:37	Peak Integrated by Software
P4368-01	FC067412.D	n-Decane (C10)	yogesh	10/14/2024 8:48:58 AM	Ankita	10/14/2024 9:12:39	Peak Integrated by Software
P4368-01	FC067412.D	n-Hexatriacontane (C36)	yogesh	10/14/2024 8:48:58 AM	Ankita	10/14/2024 9:12:39	Peak Integrated by Software
P4368-01	FC067412.D	n-Octatriacontane (C38)	yogesh	10/14/2024 8:48:58 AM	Ankita	10/14/2024 9:12:39	Peak Integrated by Software
P4368-01	FC067412.D	n-Tetracontane (C40)	yogesh	10/14/2024 8:48:58 AM	Ankita	10/14/2024 9:12:39	Peak Integrated by Software
P4368-01	FC067412.D	n-Tetracosane (C24)	yogesh	10/14/2024 8:48:58 AM	Ankita	10/14/2024 9:12:39	Peak Integrated by Software
P4368-01	FC067412.D	n-Tetratriacontane (C34)	yogesh	10/14/2024 8:48:58 AM	Ankita	10/14/2024 9:12:39	Peak Integrated by Software
P4368-01	FC067413.D	n-Decane (C10)	yogesh	10/14/2024 8:48:59 AM	Ankita	10/14/2024 9:12:40	Peak Integrated by Software

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Manual Integration Report

Sequence:	FC101124AL	Instrument	FID_c

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P4368-01	FC067413.D	n-Hexatriacontane (C36)	yogesh	10/14/2024 8:48:59 AM	Ankita	10/14/2024 9:12:40	Peak Integrated by Software
P4368-01	FC067413.D	n-Octatriacontane (C38)	yogesh	10/14/2024 8:48:59 AM	Ankita	10/14/2024 9:12:40	Peak Integrated by Software
P4368-01	FC067413.D	n-Tetracontane (C40)	yogesh	10/14/2024 8:48:59 AM	Ankita	10/14/2024 9:12:40	Peak Integrated by Software
P4368-01	FC067413.D	n-Tetracosane (C24)	yogesh	10/14/2024 8:48:59 AM	Ankita	10/14/2024 9:12:40	Peak Integrated by Software
P4368-01	FC067413.D	n-Tetratriacontane (C34)	yogesh	10/14/2024 8:48:59 AM	Ankita	10/14/2024 9:12:40	Peak Integrated by Software
P4368-02	FC067414.D	n-Decane (C10)	yogesh	10/14/2024 8:49:01 AM	Ankita	10/14/2024 9:12:41	Peak Integrated by Software
P4368-02	FC067414.D	n-Hexacosane (C26)	yogesh	10/14/2024 8:49:01 AM	Ankita	10/14/2024 9:12:41	Peak Integrated by Software
P4368-02	FC067414.D	n-Hexatriacontane (C36)	yogesh	10/14/2024 8:49:01 AM	Ankita	10/14/2024 9:12:41	Peak Integrated by Software
P4368-02	FC067414.D	n-Tetracontane (C40)	yogesh	10/14/2024 8:49:01 AM	Ankita	10/14/2024 9:12:41	Peak Integrated by Software
P4368-02	FC067414.D	n-Tetracosane (C24)	yogesh	10/14/2024 8:49:01 AM	Ankita	10/14/2024 9:12:41	Peak Integrated by Software
P4368-02	FC067414.D	n-Tricontane (C30)	yogesh	10/14/2024 8:49:01 AM	Ankita	10/14/2024 9:12:41	Peak Integrated by Software
P4258-03MS	FC067417.D	n-Dotriacontane (C32)	yogesh	10/14/2024 8:49:02 AM	Ankita	10/14/2024 9:12:57	Peak Integrated by Software
P4258-03MS	FC067417.D	n-Octatriacontane (C38)	yogesh	10/14/2024 8:49:02 AM	Ankita	10/14/2024 9:12:57	Peak Integrated by Software

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Manual Integration Report

Sequence:	FC101124AL	Instrument	FID_c

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P4258-03MS	FC067417.D	n-Tetratriacontane (C34)	yogesh	10/14/2024 8:49:02 AM	Ankita	10/14/2024 9:12:57	Peak Integrated by Software
P4258-03MSD	FC067418.D	n-Octatriacontane (C38)	yogesh	10/14/2024 8:49:04 AM	Ankita	10/14/2024 9:13:00	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC067420.D	n-Hexatriacontane (C36)	yogesh	10/14/2024 8:49:05 AM	Ankita	10/14/2024 9:13:02	Peak Integrated by Software
P4368-07	FC067422.D	n-Decane (C10)	yogesh	10/14/2024 8:49:07 AM	Ankita	10/14/2024 9:13:03	Peak Integrated by Software
P4368-07	FC067422.D	n-Hexacosane (C26)	yogesh	10/14/2024 8:49:07 AM	Ankita	10/14/2024 9:13:03	Peak Integrated by Software
P4368-07	FC067422.D	n-Hexatriacontane (C36)	yogesh	10/14/2024 8:49:07 AM	Ankita	10/14/2024 9:13:03	Peak Integrated by Software
P4368-07	FC067422.D	n-Tetracontane (C40)	yogesh	10/14/2024 8:49:07 AM	Ankita	10/14/2024 9:13:03	Peak Integrated by Software
P4368-07	FC067422.D	n-Tetracosane (C24)	yogesh	10/14/2024 8:49:07 AM	Ankita	10/14/2024 9:13:03	Peak Integrated by Software
P4368-07	FC067423.D	n-Decane (C10)	yogesh	10/14/2024 8:49:09 AM	Ankita	10/14/2024 9:13:04	Peak Integrated by Software
P4368-07	FC067423.D	n-Octatriacontane (C38)	yogesh	10/14/2024 8:49:09 AM	Ankita	10/14/2024 9:13:04	Peak Integrated by Software
P4368-07	FC067423.D	n-Tetracosane (C24)	yogesh	10/14/2024 8:49:09 AM	Ankita	10/14/2024 9:13:04	Peak Integrated by Software
P4368-08	FC067424.D	n-Tetracontane (C40)	yogesh	10/14/2024 8:49:11 AM	Ankita	10/14/2024 9:13:06	Peak Integrated by Software
P4368-08	FC067424.D	n-Tetracosane (C24)	yogesh	10/14/2024 8:49:11 AM	Ankita	10/14/2024 9:13:06	Peak Integrated by Software

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Manual Integration Report

Sequence:	FC101124AL	Instrument	FID_c

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
20 PPM ALIPHATIC HC	FC067426.D	n-Tetratriacontane (C34)	yogesh	10/14/2024 8:49:13 AM	Ankita	10/14/2024 9:13:07	Peak Integrated by Software

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Manual Integration Report

Sequence:	FD093024AR	Instrument	FID_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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Manual Integration Report

Sequence:	FD101124AR	Instrument	FID_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
20 PPM AROMATIC HC	FD048454.D	benzo[b]fluoranthene (C30.41)	yogesh	10/14/2024 8:52:05 AM	Ankita	10/14/2024 9:14:43	Peak Integrated by Software
20 PPM AROMATIC HC	FD048454.D	Bnezo[k]fluoranthene (C30.14)	yogesh	10/14/2024 8:52:05 AM	Ankita	10/14/2024 9:14:43	Peak Integrated by Software
P4368-07	FD048456.D	Anthracene (C19.43)	yogesh	10/14/2024 8:52:07 AM	Ankita	10/14/2024 9:14:44	Peak Integrated by Software
P4368-07	FD048456.D	Benzo[a]pyrene (C31.34)	yogesh	10/14/2024 8:52:07 AM	Ankita	10/14/2024 9:14:44	Peak Integrated by Software
P4368-07	FD048456.D	benzo[b]fluoranthene (C30.41)	yogesh	10/14/2024 8:52:07 AM	Ankita	10/14/2024 9:14:44	Peak Integrated by Software
P4368-07	FD048456.D	Bnezo[k]fluoranthene (C30.14)	yogesh	10/14/2024 8:52:07 AM	Ankita	10/14/2024 9:14:44	Peak Integrated by Software
P4368-07	FD048456.D	Chrysene (C27.41)	yogesh	10/14/2024 8:52:07 AM	Ankita	10/14/2024 9:14:44	Peak Integrated by Software
P4368-07	FD048456.D	Dibenz[a,h]anthracene (C30.36)	yogesh	10/14/2024 8:52:07 AM	Ankita	10/14/2024 9:14:44	Peak Integrated by Software
P4368-07	FD048456.D	Naphthalene (C11.7)	yogesh	10/14/2024 8:52:07 AM	Ankita	10/14/2024 9:14:44	Peak Integrated by Software
P4368-07	FD048456.D	Phenanthrene (C19.36)	yogesh	10/14/2024 8:52:07 AM	Ankita	10/14/2024 9:14:44	Peak Integrated by Software
P4368-07	FD048457.D	Anthracene (C19.43)	yogesh	10/14/2024 8:52:08 AM	Ankita	10/14/2024 9:14:46	Peak Integrated by Software
P4368-07	FD048457.D	Benzo[a]pyrene (C31.34)	yogesh	10/14/2024 8:52:08 AM	Ankita	10/14/2024 9:14:46	Peak Integrated by Software
P4368-07	FD048457.D	benzo[b]fluoranthene (C30.41)	yogesh	10/14/2024 8:52:08 AM	Ankita	10/14/2024 9:14:46	Peak Integrated by Software

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Manual Integration Report

Sequence:	FD101124AR	Instrument	FID_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P4368-07	FD048457.D	Bnezo[k]fluoranthene (C30.14)	yogesh	10/14/2024 8:52:08 AM	Ankita	10/14/2024 9:14:46	Peak Integrated by Software
P4368-07	FD048457.D	Indeno[1,2,3-cd]pyrene (C35.01)	yogesh	10/14/2024 8:52:08 AM	Ankita	10/14/2024 9:14:46	Peak Integrated by Software
P4368-07	FD048457.D	Naphthalene (C11.7)	yogesh	10/14/2024 8:52:08 AM	Ankita	10/14/2024 9:14:46	Peak Integrated by Software
P4368-07	FD048457.D	Phenanthrene (C19.36)	yogesh	10/14/2024 8:52:08 AM	Ankita	10/14/2024 9:14:46	Peak Integrated by Software
P4368-08	FD048458.D	Benzo[a]anthracene (C26.37)	yogesh	10/14/2024 8:52:10 AM	Ankita	10/14/2024 9:14:48	Peak Integrated by Software
P4368-08	FD048458.D	benzo[b]fluoranthene (C30.41)	yogesh	10/14/2024 8:52:10 AM	Ankita	10/14/2024 9:14:48	Peak Integrated by Software
P4368-08	FD048458.D	Bnezo[k]fluoranthene (C30.14)	yogesh	10/14/2024 8:52:10 AM	Ankita	10/14/2024 9:14:48	Peak Integrated by Software
P4368-08	FD048458.D	Fluoranthene (C21.85)	yogesh	10/14/2024 8:52:10 AM	Ankita	10/14/2024 9:14:48	Peak Integrated by Software
P4368-08	FD048458.D	Indeno[1,2,3-cd]pyrene (C35.01)	yogesh	10/14/2024 8:52:10 AM	Ankita	10/14/2024 9:14:48	Peak Integrated by Software
20 PPM AROMATIC HC	FD048460.D	benzo[b]fluoranthene (C30.41)	yogesh	10/14/2024 8:52:12 AM	Ankita	10/14/2024 9:14:50	Peak Integrated by Software
20 PPM AROMATIC HC	FD048460.D	Bnezo[k]fluoranthene (C30.14)	yogesh	10/14/2024 8:52:12 AM	Ankita	10/14/2024 9:14:50	Peak Integrated by Software
PB164054BS	FD048462.D	Fluoranthene (C21.85)	yogesh	10/14/2024 8:52:13 AM	Ankita	10/14/2024 9:14:51	Peak Integrated by Software
PB164054BSD	FD048463.D	Fluoranthene (C21.85)	yogesh	10/14/2024 8:52:15 AM	Ankita	10/14/2024 9:14:53	Peak Integrated by Software

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Manual Integration Report

Sequence:	FD101124AR	Instrument	FID_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P4368-01	FD048464.D	Benzo[a]anthracene (C26.37)	yogesh	10/14/2024 8:52:17 AM	Ankita	10/14/2024 9:15:08	Peak Integrated by Software
P4368-01	FD048464.D	Benzo[a]pyrene (C31.34)	yogesh	10/14/2024 8:52:17 AM	Ankita	10/14/2024 9:15:08	Peak Integrated by Software
P4368-01	FD048464.D	benzo[b]fluoranthene (C30.41)	yogesh	10/14/2024 8:52:17 AM	Ankita	10/14/2024 9:15:08	Peak Integrated by Software
P4368-01	FD048464.D	Bnezo[k]fluoranthene (C30.14)	yogesh	10/14/2024 8:52:17 AM	Ankita	10/14/2024 9:15:08	Peak Integrated by Software
P4368-01	FD048464.D	Chrysene (C27.41)	yogesh	10/14/2024 8:52:17 AM	Ankita	10/14/2024 9:15:08	Peak Integrated by Software
P4368-01	FD048464.D	Dibenz[a,h]anthracene (C30.36)	yogesh	10/14/2024 8:52:17 AM	Ankita	10/14/2024 9:15:08	Peak Integrated by Software
P4368-01	FD048464.D	Indeno[1,2,3-cd]pyrene (C35.01)	yogesh	10/14/2024 8:52:17 AM	Ankita	10/14/2024 9:15:08	Peak Integrated by Software
P4368-01	FD048465.D	1,2,3-Trimethylbenzene (C10.1)	yogesh	10/14/2024 8:52:19 AM	Ankita	10/14/2024 9:15:10	Peak Integrated by Software
P4368-01	FD048465.D	Benzo[a]anthracene (C26.37)	yogesh	10/14/2024 8:52:19 AM	Ankita	10/14/2024 9:15:10	Peak Integrated by Software
P4368-01	FD048465.D	benzo[b]fluoranthene (C30.41)	yogesh	10/14/2024 8:52:19 AM	Ankita	10/14/2024 9:15:10	Peak Integrated by Software
P4368-01	FD048465.D	Bnezo[k]fluoranthene (C30.14)	yogesh	10/14/2024 8:52:19 AM	Ankita	10/14/2024 9:15:10	Peak Integrated by Software
P4368-01	FD048465.D	Naphthalene (C11.7)	yogesh	10/14/2024 8:52:19 AM	Ankita	10/14/2024 9:15:10	Peak Integrated by Software
P4368-02	FD048466.D	Bnezo[k]fluoranthene (C30.14)	yogesh	10/14/2024 8:52:21 AM	Ankita	10/14/2024 9:15:11	Peak Integrated by Software

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Manual Integration Report

Sequence:	FD101124AR	Instrument	FID_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P4368-02	FD048466.D	Chrysene (C27.41)	yogesh	10/14/2024 8:52:21 AM	Ankita	10/14/2024 9:15:11	Peak Integrated by Software
P4368-02	FD048466.D	Fluoranthene (C21.85)	yogesh	10/14/2024 8:52:21 AM	Ankita	10/14/2024 9:15:11	Peak Integrated by Software
P4368-02	FD048466.D	Indeno[1,2,3-cd]pyrene (C35.01)	yogesh	10/14/2024 8:52:21 AM	Ankita	10/14/2024 9:15:11	Peak Integrated by Software
P4368-02	FD048466.D	Phenanthrene (C19.36)	yogesh	10/14/2024 8:52:21 AM	Ankita	10/14/2024 9:15:11	Peak Integrated by Software
P4368-02	FD048466.D	Pyrene (C20.8)	yogesh	10/14/2024 8:52:21 AM	Ankita	10/14/2024 9:15:11	Peak Integrated by Software
P4258-03MS	FD048469.D	Fluoranthene (C21.85)	yogesh	10/14/2024 8:52:22 AM	Ankita	10/14/2024 9:15:13	Peak Integrated by Software
P4258-03MSD	FD048470.D	Fluoranthene (C21.85)	yogesh	10/14/2024 8:52:24 AM	Ankita	10/14/2024 9:15:15	Peak Integrated by Software
20 PPM AROMATIC HC	FD048472.D	Benzo[a]pyrene (C31.34)	yogesh	10/14/2024 8:52:26 AM	Ankita	10/14/2024 9:15:16	Peak Integrated by Software

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC100224AL

Review By	yogesh	Review On	10/1/2024 9:33:02 AM		
Supervise By	Ankita	Supervise On	10/1/2024 10:31:51 AM		
SubDirectory	FC100224AL	HP Acquire Method		HP Processing Method	FC100224AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23644,PP23646,PP23647,PP23648,PP23649
CCC	PP23647
Internal Standard/PEM	
ICV/I.BLK	PP23645,PP23650
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FC067310.D	30 Sep 2024 09:18	YP/AJ	Ok
2	I.BLK	FC067311.D	30 Sep 2024 09:55	YP/AJ	Ok
3	100 PPM ALIPHATIC HC STD1	FC067312.D	30 Sep 2024 10:32	YP/AJ	Ok
4	50 PPM ALIPHATIC HC STD2	FC067313.D	30 Sep 2024 11:10	YP/AJ	Ok
5	20 PPM ALIPHATIC HC STD3	FC067314.D	30 Sep 2024 11:48	YP/AJ	Ok
6	10 PPM ALIPHATIC HC STD4	FC067315.D	30 Sep 2024 12:47	YP/AJ	Ok
7	5 PPM ALIPHATIC HC STD5	FC067316.D	30 Sep 2024 13:35	YP/AJ	Ok
8	20 PPM ALIPHATIC HC STD ICV	FC067317.D	30 Sep 2024 14:29	YP/AJ	Ok
9	I.BLK	FC067318.D	30 Sep 2024 15:06	YP/AJ	Ok
10	20 PPM ALIPHATIC HC STD	FC067319.D	30 Sep 2024 15:49	YP/AJ	Ok

M : Manual Integration

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC101124AL

Review By	yogesh	Review On	10/11/2024 12:39:06 PM		
Supervise By	Ankita	Supervise On	10/14/2024 9:13:11 AM		
SubDirectory	FC101124AL	HP Acquire Method		HP Processing Method	FC100224AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23644,PP23646,PP23647,PP23648,PP23649
CCC	PP23647
Internal Standard/PEM	
ICV/I.BLK	PP23645,PP23650
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FC067397.D	11 Oct 2024 09:28	YP/AJ	Ok
2	I.BLK	FC067398.D	11 Oct 2024 10:04	YP/AJ	Ok
3	20 PPM ALIPHATIC HC STD	FC067399.D	11 Oct 2024 12:04	YP/AJ	Ok
4	PB164070BL	FC067400.D	11 Oct 2024 14:12	YP/AJ	Ok
5	PB164070BS	FC067401.D	11 Oct 2024 14:49	YP/AJ	Ok
6	PB164070BSD	FC067402.D	11 Oct 2024 15:25	YP/AJ	Ok
7	P4376-01	FC067403.D	11 Oct 2024 16:02	YP/AJ	Ok,M
8	P4376-01D	FC067404.D	11 Oct 2024 16:39	YP/AJ	Ok,M
9	P4376-01MS	FC067405.D	11 Oct 2024 17:15	YP/AJ	Ok,M
10	P4376-01MSD	FC067406.D	11 Oct 2024 17:52	YP/AJ	Ok,M
11	I.BLK	FC067407.D	11 Oct 2024 19:06	YP/AJ	Ok
12	20 PPM ALIPHATIC HC STD	FC067408.D	11 Oct 2024 19:42	YP/AJ	Ok,M
13	PB164054BL	FC067409.D	11 Oct 2024 20:55	YP/AJ	Ok
14	PB164054BS	FC067410.D	11 Oct 2024 21:31	YP/AJ	Ok,M
15	PB164054BSD	FC067411.D	11 Oct 2024 22:07	YP/AJ	Ok,M
16	P4368-01	FC067412.D	11 Oct 2024 22:44	YP/AJ	Ok,M
17	P4368-01	FC067413.D	11 Oct 2024 23:21	YP/AJ	Ok,M
18	P4368-02	FC067414.D	11 Oct 2024 23:58	YP/AJ	Ok,M
19	P4258-03	FC067415.D	12 Oct 2024 00:35	YP/AJ	Ok
20	P4258-03D	FC067416.D	12 Oct 2024 01:12	YP/AJ	Ok
21	P4258-03MS	FC067417.D	12 Oct 2024 01:50	YP/AJ	Ok,M

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC101124AL

Review By	yogesh	Review On	10/11/2024 12:39:06 PM		
Supervise By	Ankita	Supervise On	10/14/2024 9:13:11 AM		
SubDirectory	FC101124AL	HP Acquire Method		HP Processing Method	FC100224AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23644,PP23646,PP23647,PP23648,PP23649
CCC	PP23647
Internal Standard/PEM	
ICV/I.BLK	PP23645,PP23650
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4258-03MSD	FC067418.D	12 Oct 2024 02:27	YP/AJ	Ok,M
23	I.BLK	FC067419.D	12 Oct 2024 03:04	YP/AJ	Ok
24	20 PPM ALIPHATIC HC STD	FC067420.D	12 Oct 2024 03:41	YP/AJ	Ok,M
25	PB164057BL	FC067421.D	12 Oct 2024 04:55	YP/AJ	Ok
26	P4368-07	FC067422.D	12 Oct 2024 05:31	YP/AJ	Ok,M
27	P4368-07	FC067423.D	12 Oct 2024 06:08	YP/AJ	Ok,M
28	P4368-08	FC067424.D	12 Oct 2024 06:45	YP/AJ	Ok,M
29	I.BLK	FC067425.D	12 Oct 2024 07:22	YP/AJ	Ok
30	20 PPM ALIPHATIC HC STD	FC067426.D	12 Oct 2024 07:59	YP/AJ	Ok,M

M : Manual Integration

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Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QCBatch ID # FD093024AR

Review By	yogesh	Review On	9/30/2024 3:32:01 PM		
Supervise By	Ankita	Supervise On	10/1/2024 10:34:21 AM		
SubDirectory	FD093024AR	HP Acquire Method		HP Processing Method	FD093024AR

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23429,PP23519,PP23520,PP23521,PP23522
CCC	PP23520
Internal Standard/PEM	
ICV/I.BLK	PP23430,PP23523
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FD048396.D	30 Sep 2024 09:18	YP/AJ	Ok
2	I.BLK	FD048397.D	30 Sep 2024 09:55	YP/AJ	Ok
3	100 PPM AROMATIC HC STD1	FD048398.D	30 Sep 2024 10:32	YP/AJ	Ok
4	50 PPM AROMATIC HC STD2	FD048399.D	30 Sep 2024 11:10	YP/AJ	Ok
5	20 PPM AROMATIC HC STD3	FD048400.D	30 Sep 2024 11:48	YP/AJ	Ok
6	10 PPM AROMATIC HC STD4	FD048401.D	30 Sep 2024 12:47	YP/AJ	Ok
7	5 PPM AROMATIC HC STD5	FD048402.D	30 Sep 2024 13:35	YP/AJ	Ok
8	20 PPM AROMATIC HC STD ICV	FD048403.D	30 Sep 2024 14:29	YP/AJ	Ok
9	I.BLK	FD048404.D	30 Sep 2024 15:06	YP/AJ	Ok
10	20 PPM AROMATIC HC STD	FD048405.D	30 Sep 2024 15:49	YP/AJ	Ok

M : Manual Integration

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Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QCBatch ID # FD101124AR

Review By	yogesh	Review On	10/11/2024 2:58:03 PM		
Supervise By	Ankita	Supervise On	10/14/2024 9:15:29 AM		
SubDirectory	FD101124AR	HP Acquire Method		HP Processing Method	FD093024AR

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23429,PP23519,PP23520,PP23521,PP23522
CCC	PP23520
Internal Standard/PEM	
ICV/I.BLK	PP23430,PP23523
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FD048452.D	11 Oct 2024 09:28	YP/AJ	Ok
2	I.BLK	FD048453.D	11 Oct 2024 10:04	YP/AJ	Ok
3	20 PPM AROMATIC HC STD	FD048454.D	11 Oct 2024 12:04	YP/AJ	Ok,M
4	PB164057BL	FD048455.D	11 Oct 2024 16:39	YP/AJ	Ok
5	P4368-07	FD048456.D	11 Oct 2024 17:15	YP/AJ	Ok,M
6	P4368-07	FD048457.D	11 Oct 2024 17:52	YP/AJ	Ok,M
7	P4368-08	FD048458.D	11 Oct 2024 18:29	YP/AJ	Ok,M
8	I.BLK	FD048459.D	11 Oct 2024 19:06	YP/AJ	Ok
9	20 PPM AROMATIC HC STD	FD048460.D	11 Oct 2024 19:42	YP/AJ	Ok,M
10	PB164054BL	FD048461.D	11 Oct 2024 21:31	YP/AJ	Ok
11	PB164054BS	FD048462.D	11 Oct 2024 22:07	YP/AJ	Ok,M
12	PB164054BSD	FD048463.D	11 Oct 2024 22:44	YP/AJ	Ok,M
13	P4368-01	FD048464.D	11 Oct 2024 23:21	YP/AJ	Ok,M
14	P4368-01	FD048465.D	11 Oct 2024 23:58	YP/AJ	Ok,M
15	P4368-02	FD048466.D	12 Oct 2024 00:35	YP/AJ	Ok,M
16	P4258-03	FD048467.D	12 Oct 2024 01:12	YP/AJ	Ok
17	P4258-03D	FD048468.D	12 Oct 2024 01:50	YP/AJ	Ok
18	P4258-03MS	FD048469.D	12 Oct 2024 02:27	YP/AJ	Ok,M
19	P4258-03MSD	FD048470.D	12 Oct 2024 03:04	YP/AJ	Ok,M
20	I.BLK	FD048471.D	12 Oct 2024 03:41	YP/AJ	Ok
21	20 PPM AROMATIC HC STD	FD048472.D	12 Oct 2024 04:18	YP/AJ	Ok,M

M : Manual Integration

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC100224AL

Review By	yogesh	Review On	10/1/2024 9:33:02 AM		
Supervise By	Ankita	Supervise On	10/1/2024 10:31:51 AM		
SubDirectory	FC100224AL	HP Acquire Method		HP Processing Method	FC100224AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23644,PP23646,PP23647,PP23648,PP23649
CCC	PP23647
Internal Standard/PEM	
ICV/I.BLK	PP23645,PP23650
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FC067310.D	30 Sep 2024 09:18		YP/AJ	Ok
2	I.BLK	I.BLK	FC067311.D	30 Sep 2024 09:55		YP/AJ	Ok
3	100 PPM ALIPHATIC H	100 PPM ALIPHATIC H	FC067312.D	30 Sep 2024 10:32		YP/AJ	Ok
4	50 PPM ALIPHATIC HC	50 PPM ALIPHATIC HC	FC067313.D	30 Sep 2024 11:10		YP/AJ	Ok
5	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC067314.D	30 Sep 2024 11:48		YP/AJ	Ok
6	10 PPM ALIPHATIC HC	10 PPM ALIPHATIC HC	FC067315.D	30 Sep 2024 12:47		YP/AJ	Ok
7	5 PPM ALIPHATIC HC	5 PPM ALIPHATIC HC	FC067316.D	30 Sep 2024 13:35		YP/AJ	Ok
8	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC067317.D	30 Sep 2024 14:29		YP/AJ	Ok
9	I.BLK	I.BLK	FC067318.D	30 Sep 2024 15:06		YP/AJ	Ok
10	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC067319.D	30 Sep 2024 15:49		YP/AJ	Ok

M : Manual Integration

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC101124AL

Review By	yogesh	Review On	10/11/2024 12:39:06 PM		
Supervise By	Ankita	Supervise On	10/14/2024 9:13:11 AM		
SubDirectory	FC101124AL	HP Acquire Method		HP Processing Method	FC100224AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23644,PP23646,PP23647,PP23648,PP23649
CCC	PP23647
Internal Standard/PEM	
ICV/I.BLK	PP23645,PP23650
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FC067397.D	11 Oct 2024 09:28		YP/AJ	Ok
2	I.BLK	I.BLK	FC067398.D	11 Oct 2024 10:04		YP/AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC067399.D	11 Oct 2024 12:04		YP/AJ	Ok
4	PB164070BL	PB164070BL	FC067400.D	11 Oct 2024 14:12		YP/AJ	Ok
5	PB164070BS	PB164070BS	FC067401.D	11 Oct 2024 14:49		YP/AJ	Ok
6	PB164070BSD	PB164070BSD	FC067402.D	11 Oct 2024 15:25		YP/AJ	Ok
7	P4376-01	OR-02-100924	FC067403.D	11 Oct 2024 16:02		YP/AJ	Ok,M
8	P4376-01D	P4376-01D	FC067404.D	11 Oct 2024 16:39		YP/AJ	Ok,M
9	P4376-01MS	OR-02-100924MS	FC067405.D	11 Oct 2024 17:15	FC067403.D	YP/AJ	Ok,M
10	P4376-01MSD	OR-02-100924MSD	FC067406.D	11 Oct 2024 17:52	FC067403.D!FC067405.D	YP/AJ	Ok,M
11	I.BLK	I.BLK	FC067407.D	11 Oct 2024 19:06		YP/AJ	Ok
12	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC067408.D	11 Oct 2024 19:42		YP/AJ	Ok,M
13	PB164054BL	PB164054BL	FC067409.D	11 Oct 2024 20:55		YP/AJ	Ok
14	PB164054BS	PB164054BS	FC067410.D	11 Oct 2024 21:31		YP/AJ	Ok,M
15	PB164054BSD	PB164054BSD	FC067411.D	11 Oct 2024 22:07		YP/AJ	Ok,M
16	P4368-01	LOD-MDL-SOIL-01-QT	FC067412.D	11 Oct 2024 22:44	2.5 PPM SOIL LOD	YP/AJ	Ok,M
17	P4368-01	LOD-MDL-SOIL-01-QT	FC067413.D	11 Oct 2024 23:21	4 PPM SOIL LOD	YP/AJ	Ok,M
18	P4368-02	LOQ-SOIL-02-QT4-202	FC067414.D	11 Oct 2024 23:58	5 PPM SOIL LOQ	YP/AJ	Ok,M

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC101124AL

Review By	yogesh	Review On	10/11/2024 12:39:06 PM		
Supervise By	Ankita	Supervise On	10/14/2024 9:13:11 AM		
SubDirectory	FC101124AL	HP Acquire Method		HP Processing Method	FC100224AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23644,PP23646,PP23647,PP23648,PP23649
CCC	PP23647
Internal Standard/PEM	
ICV/I.BLK	PP23645,PP23650
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P4258-03	Chamberlain Ave	FC067415.D	12 Oct 2024 00:35		YP/AJ	Ok
20	P4258-03D	P4258-03D	FC067416.D	12 Oct 2024 01:12		YP/AJ	Ok
21	P4258-03MS	Chamberlain AveMS	FC067417.D	12 Oct 2024 01:50	FC067415.D	YP/AJ	Ok,M
22	P4258-03MSD	Chamberlain AveMSD	FC067418.D	12 Oct 2024 02:27	FC067415.D!FC067417.D	YP/AJ	Ok,M
23	I.BLK	I.BLK	FC067419.D	12 Oct 2024 03:04		YP/AJ	Ok
24	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC067420.D	12 Oct 2024 03:41		YP/AJ	Ok,M
25	PB164057BL	PB164057BL	FC067421.D	12 Oct 2024 04:55		YP/AJ	Ok
26	P4368-07	LOD-MDL-WATER-01-(	FC067422.D	12 Oct 2024 05:31	2.5 PPM WATER LOD	YP/AJ	Ok,M
27	P4368-07	LOD-MDL-WATER-01-(	FC067423.D	12 Oct 2024 06:08	4 PPM WATER LOD	YP/AJ	Ok,M
28	P4368-08	LOQ-WATER-02-QT4-2	FC067424.D	12 Oct 2024 06:45	5 PPM WATER LOQ	YP/AJ	Ok,M
29	I.BLK	I.BLK	FC067425.D	12 Oct 2024 07:22		YP/AJ	Ok
30	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC067426.D	12 Oct 2024 07:59		YP/AJ	Ok,M

M : Manual Integration

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Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QCBatch ID # FD093024AR

Review By	yogesh	Review On	9/30/2024 3:32:01 PM		
Supervise By	Ankita	Supervise On	10/1/2024 10:34:21 AM		
SubDirectory	FD093024AR	HP Acquire Method		HP Processing Method	FD093024AR

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23429,PP23519,PP23520,PP23521,PP23522
CCC	PP23520
Internal Standard/PEM	
ICV/I.BLK	PP23430,PP23523
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FD048396.D	30 Sep 2024 09:18		YP/AJ	Ok
2	I.BLK	I.BLK	FD048397.D	30 Sep 2024 09:55		YP/AJ	Ok
3	100 PPM AROMATIC H	100 PPM AROMATIC H	FD048398.D	30 Sep 2024 10:32		YP/AJ	Ok
4	50 PPM AROMATIC HC	50 PPM AROMATIC HC	FD048399.D	30 Sep 2024 11:10		YP/AJ	Ok
5	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD048400.D	30 Sep 2024 11:48		YP/AJ	Ok
6	10 PPM AROMATIC HC	10 PPM AROMATIC HC	FD048401.D	30 Sep 2024 12:47		YP/AJ	Ok
7	5 PPM AROMATIC HC	5 PPM AROMATIC HC	FD048402.D	30 Sep 2024 13:35		YP/AJ	Ok
8	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD048403.D	30 Sep 2024 14:29		YP/AJ	Ok
9	I.BLK	I.BLK	FD048404.D	30 Sep 2024 15:06		YP/AJ	Ok
10	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD048405.D	30 Sep 2024 15:49		YP/AJ	Ok

M : Manual Integration

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Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QCBatch ID # FD101124AR

Review By	yogesh	Review On	10/11/2024 2:58:03 PM		
Supervise By	Ankita	Supervise On	10/14/2024 9:15:29 AM		
SubDirectory	FD101124AR	HP Acquire Method		HP Processing Method	FD093024AR

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23429,PP23519,PP23520,PP23521,PP23522
CCC	PP23520
Internal Standard/PEM	
ICV/I.BLK	PP23430,PP23523
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FD048452.D	11 Oct 2024 09:28		YP/AJ	Ok
2	I.BLK	I.BLK	FD048453.D	11 Oct 2024 10:04		YP/AJ	Ok
3	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD048454.D	11 Oct 2024 12:04		YP/AJ	Ok,M
4	PB164057BL	PB164057BL	FD048455.D	11 Oct 2024 16:39		YP/AJ	Ok
5	P4368-07	LOD-MDL-WATER-01-(	FD048456.D	11 Oct 2024 17:15	2.5 PPM WATER LOD	YP/AJ	Ok,M
6	P4368-07	LOD-MDL-WATER-01-(	FD048457.D	11 Oct 2024 17:52	4 PPM WATER LOD	YP/AJ	Ok,M
7	P4368-08	LOQ-WATER-02-QT4-2	FD048458.D	11 Oct 2024 18:29	5 PPM WATER LOQ	YP/AJ	Ok,M
8	I.BLK	I.BLK	FD048459.D	11 Oct 2024 19:06		YP/AJ	Ok
9	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD048460.D	11 Oct 2024 19:42		YP/AJ	Ok,M
10	PB164054BL	PB164054BL	FD048461.D	11 Oct 2024 21:31		YP/AJ	Ok
11	PB164054BS	PB164054BS	FD048462.D	11 Oct 2024 22:07		YP/AJ	Ok,M
12	PB164054BSD	PB164054BSD	FD048463.D	11 Oct 2024 22:44		YP/AJ	Ok,M
13	P4368-01	LOD-MDL-SOIL-01-QT	FD048464.D	11 Oct 2024 23:21	2.5 PPM SOIL LOD	YP/AJ	Ok,M
14	P4368-01	LOD-MDL-SOIL-01-QT	FD048465.D	11 Oct 2024 23:58	4 PPM SOIL LOD	YP/AJ	Ok,M
15	P4368-02	LOQ-SOIL-02-QT4-202	FD048466.D	12 Oct 2024 00:35	5 PPM SOIL LOQ	YP/AJ	Ok,M
16	P4258-03	Chamberlain Ave	FD048467.D	12 Oct 2024 01:12		YP/AJ	Ok
17	P4258-03D	P4258-03D	FD048468.D	12 Oct 2024 01:50		YP/AJ	Ok
18	P4258-03MS	Chamberlain AveMS	FD048469.D	12 Oct 2024 02:27	FD048467.D	YP/AJ	Ok,M

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Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QCBatch ID # FD101124AR

Review By	yogesh	Review On	10/11/2024 2:58:03 PM		
Supervise By	Ankita	Supervise On	10/14/2024 9:15:29 AM		
SubDirectory	FD101124AR	HP Acquire Method		HP Processing Method	FD093024AR

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23429,PP23519,PP23520,PP23521,PP23522
CCC	PP23520
Internal Standard/PEM	
ICV/I.BLK	PP23430,PP23523
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P4258-03MSD	Chamberlain AveMSD	FD048470.D	12 Oct 2024 03:04	FD048467.D!FD048469.D	YP/AJ	Ok,M
20	I.BLK	I.BLK	FD048471.D	12 Oct 2024 03:41		YP/AJ	Ok
21	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD048472.D	12 Oct 2024 04:18		YP/AJ	Ok,M

M : Manual Integration

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EXTRACTION LOGPAGE

PB164054

SOP ID:	MNJDEP-EPH-7				
Clean Up SOP #:	N/A			**Extraction Start Date :**	10/11/2024
Matrix :	Solid			**Extraction Start Time :**	08:20
Weigh By:	EH	**Extraction By:**	RJ	**Extraction End Date :**	10/11/2024
Balance check:	RJ	**Filter By:**	RJ	**Extraction End Time :**	16:00
Balance ID:	EX-SC-2	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	N/A	**Hood ID:**	3,7	**Supervisor By :**	rajesh

Extraction Method: ☐ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☑ Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	100 PPM	PP23712
Surrogate	1.0ML	100 PPM	PP23706
Fractionation Surrogate	1.0ML	100 PPM	PP23704
LOD	0.25ML/0.4ML	20 PPM	PP23539
LOQ	0.5ML	20 PPM	PP23539

Chemical Used	ML/SAMPLE USED	Lot Number
MeCl2/Acetone/1:1	N/A	EP2538
Baked Na2SO4	N/A	EP2543
Sand	N/A	E2865
Hexane	N/A	E3816
Methylene Chloride	N/A	E3817
EPH Cartridge	N/A	E3757
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5ML Vial Lot # 2210673.

KD Bath ID:	N/A	**Envap ID:**	NE VAP-02
KD Bath Temperature:	N/A	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/11/24	RP (Ext. Lab)	Y. Pestipeb.
16:05	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB164054

Analytical Method: MNJDEP-EPH-7

Concentration Date: 10/11/2024

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB164054BL	PB164054BL	EPH	30.03	N/A	ritesh	Evelyn	2			U5-1
PB164054BS	PB164054BS	EPH	30.01	N/A	ritesh	Evelyn	2			2
PB164054BSD	PB164054BSD	EPH	30.03	N/A	ritesh	Evelyn	2			3
P4258-03	CHAMBERLAIN AVE	EPH	30.04	N/A	ritesh	Evelyn	2	A		4
P4258-03DUP	CHAMBERLAIN AVEDUP	EPH	30.02	N/A	ritesh	Evelyn	2	A		5
P4258-03MS	CHAMBERLAIN AVEMS	EPH	30.07	N/A	ritesh	Evelyn	2	A		6
P4258-03MSD	CHAMBERLAIN AVEMSD	EPH	30.09	N/A	ritesh	Evelyn	2	A		U6-1
P4368-01	LOD-MDL-SOIL-01-QT4-2024 0.25 ML	EPH	30.01	N/A	ritesh	Evelyn	2			2
P4368-02	LOQ-SOIL-02-QT4-2024 0.5 ML	EPH	30.03	N/A	ritesh	Evelyn	2			3
	LOD 0.4 ML			1	1	1	2			4

* **Extracts relinquished on the same date as received.**

10/11/24

184034
8:20

WORKLIST(Hardcopy Internal Chain)

WorkList Name : P4258E **WorkList ID :** 184333 **Department :** Extraction **Date :** 10-11-2024 08:09:17

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4258-03	Chamberlain Ave	Solid	EPH	Cool 4 deg C	ROMA02	K21	10/01/2024	NJEPH
P4368-01	LOD-MDL-SOIL-01-QT4-2024	Solid	EPH	Cool 4 deg C	CHEM02	QA Of	10/09/2024	NJEPH
P4368-02	LOQ-SOIL-02-QT4-2024	Solid	EPH	Cool 4 deg C	CHEM02	QA Of	10/09/2024	NJEPH

Date/Time 10/11/24 8:15
Raw Sample Received by: RJ (Cert Tech)
Raw Sample Relinquished by: JDCSM

Date/Time 10/11/24 8:40
Raw Sample Received by: JDCSM
Raw Sample Relinquished by: RJ (Cert Tech)

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LAB CHRONICLE

OrderID:	P4258	**OrderDate:**	10/1/2024 1:21:00 PM
Client:	Roman E&G Corp	**Project:**	Perth Amboy
Contact:	Mark Mattheiss	**Location:**	H11,H51,K11,K21

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4258-03	**Chamberlain Ave**	**SOIL**			**10/01/24**			**10/01/24**
			Herbicide	8151A		10/11/24	10/11/24	
			PCB	8082A		10/02/24	10/02/24	
			Pesticide-TCL	8081B		10/11/24	10/11/24	
			EPH	NJEPH		10/11/24	10/12/24	
P4258-04	**Chamberlain Ave**	**TCLP**			**10/01/24**			**10/01/24**
			TCLP Herbicide	8151A		10/03/24	10/04/24	
			TCLP Pesticide	8081B		10/03/24	10/03/24	

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Hit Summary Sheet
SW-846

SDG No.: P4258 **Order ID:** P4258

Client: Roman E&G Corp **Project ID:** Perth Amboy

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : Chamberlain Ave								
P4258-03	Chamberlain Ave	SOIL	Aluminum	5650		2.62	5.43	mg/Kg
P4258-03	Chamberlain Ave	SOIL	Arsenic	2.05		0.32	1.09	mg/Kg
P4258-03	Chamberlain Ave	SOIL	Barium	65.0		0.70	5.43	mg/Kg
P4258-03	Chamberlain Ave	SOIL	Beryllium	0.95		0.013	0.33	mg/Kg
P4258-03	Chamberlain Ave	SOIL	Cadmium	2.18		0.017	0.33	mg/Kg
P4258-03	Chamberlain Ave	SOIL	Calcium	1430		3.04	109	mg/Kg
P4258-03	Chamberlain Ave	SOIL	Chromium	12.2		0.059	0.54	mg/Kg
P4258-03	Chamberlain Ave	SOIL	Cobalt	9.76		0.063	1.63	mg/Kg
P4258-03	Chamberlain Ave	SOIL	Copper	23.0		0.51	1.09	mg/Kg
P4258-03	Chamberlain Ave	SOIL	Iron	13800		2.92	5.43	mg/Kg
P4258-03	Chamberlain Ave	SOIL	Lead	48.3		0.16	0.65	mg/Kg
P4258-03	Chamberlain Ave	SOIL	Magnesium	2360		3.73	109	mg/Kg
P4258-03	Chamberlain Ave	SOIL	Manganese	186		0.077	1.09	mg/Kg
P4258-03	Chamberlain Ave	SOIL	Mercury	0.094		0.0070	0.015	mg/Kg
P4258-03	Chamberlain Ave	SOIL	Nickel	24.3		0.098	2.17	mg/Kg
P4258-03	Chamberlain Ave	SOIL	Potassium	722		31.2	109	mg/Kg
P4258-03	Chamberlain Ave	SOIL	Sodium	105	J	39.2	109	mg/Kg
P4258-03	Chamberlain Ave	SOIL	Vanadium	17.6		0.29	2.17	mg/Kg
P4258-03	Chamberlain Ave	SOIL	Zinc	39.8		0.12	2.17	mg/Kg

SAMPLE DATA

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Report of Analysis

Client:	Roman E&G Corp	Date Collected:	10/01/24
Project:	Perth Amboy	Date Received:	10/01/24
Client Sample ID:	Chamberlain Ave	SDG No.:	P4258
Lab Sample ID:	P4258-03	Matrix:	SOIL
Level (low/med):	low	% Solid:	86

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	5650		1	2.62	5.43	mg/Kg	10/11/24 09:05	10/14/24 15:05	SW6010	SW3050
7440-36-0	Antimony	0.16	UN	1	0.16	2.72	mg/Kg	10/11/24 09:05	10/14/24 15:05	SW6010	SW3050
7440-38-2	Arsenic	2.05		1	0.32	1.09	mg/Kg	10/11/24 09:05	10/14/24 15:05	SW6010	SW3050
7440-39-3	Barium	65.0		1	0.70	5.43	mg/Kg	10/11/24 09:05	10/14/24 15:05	SW6010	SW3050
7440-41-7	Beryllium	0.95		1	0.013	0.33	mg/Kg	10/11/24 09:05	10/14/24 15:05	SW6010	SW3050
7440-43-9	Cadmium	2.18		1	0.017	0.33	mg/Kg	10/11/24 09:05	10/14/24 15:05	SW6010	SW3050
7440-70-2	Calcium	1430		1	3.04	109	mg/Kg	10/11/24 09:05	10/14/24 15:05	SW6010	SW3050
7440-47-3	Chromium	12.2		1	0.059	0.54	mg/Kg	10/11/24 09:05	10/14/24 15:05	SW6010	SW3050
7440-48-4	Cobalt	9.76		1	0.063	1.63	mg/Kg	10/11/24 09:05	10/14/24 15:05	SW6010	SW3050
7440-50-8	Copper	23.0	N	1	0.51	1.09	mg/Kg	10/11/24 09:05	10/14/24 15:05	SW6010	SW3050
7439-89-6	Iron	13800		1	2.92	5.43	mg/Kg	10/11/24 09:05	10/14/24 15:05	SW6010	SW3050
7439-92-1	Lead	48.3		1	0.16	0.65	mg/Kg	10/11/24 09:05	10/14/24 15:05	SW6010	SW3050
7439-95-4	Magnesium	2360		1	3.73	109	mg/Kg	10/11/24 09:05	10/14/24 15:05	SW6010	SW3050
7439-96-5	Manganese	186		1	0.077	1.09	mg/Kg	10/11/24 09:05	10/14/24 15:05	SW6010	SW3050
7439-97-6	Mercury	0.094		1	0.0070	0.015	mg/Kg	10/11/24 13:30	10/14/24 11:59	SW7471B	
7440-02-0	Nickel	24.3		1	0.098	2.17	mg/Kg	10/11/24 09:05	10/14/24 15:05	SW6010	SW3050
7440-09-7	Potassium	722	N	1	31.2	109	mg/Kg	10/11/24 09:05	10/14/24 15:05	SW6010	SW3050
7782-49-2	Selenium	0.36	UN	1	0.36	1.09	mg/Kg	10/11/24 09:05	10/14/24 15:05	SW6010	SW3050
7440-22-4	Silver	0.057	U	1	0.057	0.54	mg/Kg	10/11/24 09:05	10/14/24 15:05	SW6010	SW3050
7440-23-5	Sodium	105	JN	1	39.2	109	mg/Kg	10/11/24 09:05	10/14/24 15:05	SW6010	SW3050
7440-28-0	Thallium	0.48	U	1	0.48	2.17	mg/Kg	10/11/24 09:05	10/14/24 15:05	SW6010	SW3050
7440-62-2	Vanadium	17.6	N	1	0.29	2.17	mg/Kg	10/11/24 09:05	10/14/24 15:05	SW6010	SW3050
7440-66-6	Zinc	39.8	N	1	0.12	2.17	mg/Kg	10/11/24 09:05	10/14/24 15:05	SW6010	SW3050

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	N/A
Comments:	METALS-TAL				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Roman E&G Corp **SDG No.:** P4258

Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB36	Mercury	0.20	+/-0.20	U	0.20	CV	10/14/2024	11:38	LB132914

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Roman E&G Corp **SDG No.:** P4258

Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB13	Mercury	0.20	+/-0.20	U	0.20	CV	10/14/2024	11:43	LB132914
CCB14	Mercury	0.20	+/-0.20	U	0.20	CV	10/14/2024	12:13	LB132914
CCB15	Mercury	0.20	+/-0.20	U	0.20	CV	10/14/2024	12:41	LB132914
CCB16	Mercury	0.20	+/-0.20	U	0.20	CV	10/14/2024	13:12	LB132914
CCB17	Mercury	0.20	+/-0.20	U	0.20	CV	10/14/2024	13:39	LB132914
CCB18	Mercury	0.20	+/-0.20	U	0.20	CV	10/14/2024	14:06	LB132914
CCB19	Mercury	0.20	+/-0.20	U	0.20	CV	10/14/2024	14:34	LB132914
CCB20	Mercury	0.20	+/-0.20	U	0.20	CV	10/14/2024	15:01	LB132914
CCB21	Mercury	0.20	+/-0.20	U	0.20	CV	10/14/2024	15:17	LB132914

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Roman E&G Corp **SDG No.:** P4258

Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	100	+/-100	U	100	P	10/14/2024	14:23	LB132927
	Antimony	50.0	+/-50.0	U	50.0	P	10/14/2024	14:23	LB132927
	Arsenic	20.0	+/-20.0	U	20.0	P	10/14/2024	14:23	LB132927
	Barium	100	+/-100	U	100	P	10/14/2024	14:23	LB132927
	Beryllium	6.00	+/-6.00	U	6.00	P	10/14/2024	14:23	LB132927
	Cadmium	6.00	+/-6.00	U	6.00	P	10/14/2024	14:23	LB132927
	Calcium	2000	+/-2000	U	2000	P	10/14/2024	14:23	LB132927
	Chromium	10.0	+/-10.0	U	10.0	P	10/14/2024	14:23	LB132927
	Cobalt	30.0	+/-30.0	U	30.0	P	10/14/2024	14:23	LB132927
	Copper	20.0	+/-20.0	U	20.0	P	10/14/2024	14:23	LB132927
	Iron	100	+/-100	U	100	P	10/14/2024	14:23	LB132927
	Lead	12.0	+/-12.0	U	12.0	P	10/14/2024	14:23	LB132927
	Magnesium	2000	+/-2000	U	2000	P	10/14/2024	14:23	LB132927
	Manganese	20.0	+/-20.0	U	20.0	P	10/14/2024	14:23	LB132927
	Nickel	40.0	+/-40.0	U	40.0	P	10/14/2024	14:23	LB132927
	Potassium	2000	+/-2000	U	2000	P	10/14/2024	14:23	LB132927
	Selenium	20.0	+/-20.0	U	20.0	P	10/14/2024	14:23	LB132927
	Silver	10.0	+/-10.0	U	10.0	P	10/14/2024	14:23	LB132927
	Sodium	2000	+/-2000	U	2000	P	10/14/2024	14:23	LB132927
	Thallium	40.0	+/-40.0	U	40.0	P	10/14/2024	14:23	LB132927
	Vanadium	40.0	+/-40.0	U	40.0	P	10/14/2024	14:23	LB132927
	Zinc	40.0	+/-40.0	U	40.0	P	10/14/2024	14:23	LB132927

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Roman E&G Corp **SDG No.:** P4258

Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	100	+/-100	U	100	P	10/14/2024	14:47	LB132927
	Antimony	50.0	+/-50.0	U	50.0	P	10/14/2024	14:47	LB132927
	Arsenic	20.0	+/-20.0	U	20.0	P	10/14/2024	14:47	LB132927
	Barium	100	+/-100	U	100	P	10/14/2024	14:47	LB132927
	Beryllium	6.00	+/-6.00	U	6.00	P	10/14/2024	14:47	LB132927
	Cadmium	6.00	+/-6.00	U	6.00	P	10/14/2024	14:47	LB132927
	Calcium	2000	+/-2000	U	2000	P	10/14/2024	14:47	LB132927
	Chromium	10.0	+/-10.0	U	10.0	P	10/14/2024	14:47	LB132927
	Cobalt	30.0	+/-30.0	U	30.0	P	10/14/2024	14:47	LB132927
	Copper	20.0	+/-20.0	U	20.0	P	10/14/2024	14:47	LB132927
	Iron	100	+/-100	U	100	P	10/14/2024	14:47	LB132927
	Lead	12.0	+/-12.0	U	12.0	P	10/14/2024	14:47	LB132927
	Magnesium	2000	+/-2000	U	2000	P	10/14/2024	14:47	LB132927
	Manganese	20.0	+/-20.0	U	20.0	P	10/14/2024	14:47	LB132927
	Nickel	40.0	+/-40.0	U	40.0	P	10/14/2024	14:47	LB132927
	Potassium	2000	+/-2000	U	2000	P	10/14/2024	14:47	LB132927
	Selenium	20.0	+/-20.0	U	20.0	P	10/14/2024	14:47	LB132927
	Silver	10.0	+/-10.0	U	10.0	P	10/14/2024	14:47	LB132927
	Sodium	2000	+/-2000	U	2000	P	10/14/2024	14:47	LB132927
	Thallium	40.0	+/-40.0	U	40.0	P	10/14/2024	14:47	LB132927
	Vanadium	40.0	+/-40.0	U	40.0	P	10/14/2024	14:47	LB132927
	Zinc	40.0	+/-40.0	U	40.0	P	10/14/2024	14:47	LB132927
CCB02	Aluminum	100	+/-100	U	100	P	10/14/2024	15:13	LB132927
	Antimony	50.0	+/-50.0	U	50.0	P	10/14/2024	15:13	LB132927
	Arsenic	20.0	+/-20.0	U	20.0	P	10/14/2024	15:13	LB132927
	Barium	100	+/-100	U	100	P	10/14/2024	15:13	LB132927
	Beryllium	6.00	+/-6.00	U	6.00	P	10/14/2024	15:13	LB132927
	Cadmium	6.00	+/-6.00	U	6.00	P	10/14/2024	15:13	LB132927
	Calcium	2000	+/-2000	U	2000	P	10/14/2024	15:13	LB132927
	Chromium	10.0	+/-10.0	U	10.0	P	10/14/2024	15:13	LB132927
	Cobalt	30.0	+/-30.0	U	30.0	P	10/14/2024	15:13	LB132927
	Copper	20.0	+/-20.0	U	20.0	P	10/14/2024	15:13	LB132927
	Iron	100	+/-100	U	100	P	10/14/2024	15:13	LB132927
	Lead	12.0	+/-12.0	U	12.0	P	10/14/2024	15:13	LB132927
	Magnesium	2000	+/-2000	U	2000	P	10/14/2024	15:13	LB132927
	Manganese	20.0	+/-20.0	U	20.0	P	10/14/2024	15:13	LB132927
	Nickel	40.0	+/-40.0	U	40.0	P	10/14/2024	15:13	LB132927
	Potassium	2000	+/-2000	U	2000	P	10/14/2024	15:13	LB132927
	Selenium	20.0	+/-20.0	U	20.0	P	10/14/2024	15:13	LB132927

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Roman E&G Corp **SDG No.:** P4258

Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Silver	10.0	+/-10.0	U	10.0	P	10/14/2024	15:13	LB132927
	Sodium	2000	+/-2000	U	2000	P	10/14/2024	15:13	LB132927
	Thallium	40.0	+/-40.0	U	40.0	P	10/14/2024	15:13	LB132927
	Vanadium	40.0	+/-40.0	U	40.0	P	10/14/2024	15:13	LB132927
	Zinc	40.0	+/-40.0	U	40.0	P	10/14/2024	15:13	LB132927
CCB03	Aluminum	100	+/-100	U	100	P	10/14/2024	16:07	LB132927
	Antimony	50.0	+/-50.0	U	50.0	P	10/14/2024	16:07	LB132927
	Arsenic	20.0	+/-20.0	U	20.0	P	10/14/2024	16:07	LB132927
	Barium	100	+/-100	U	100	P	10/14/2024	16:07	LB132927
	Beryllium	6.00	+/-6.00	U	6.00	P	10/14/2024	16:07	LB132927
	Cadmium	6.00	+/-6.00	U	6.00	P	10/14/2024	16:07	LB132927
	Calcium	2000	+/-2000	U	2000	P	10/14/2024	16:07	LB132927
	Chromium	10.0	+/-10.0	U	10.0	P	10/14/2024	16:07	LB132927
	Cobalt	30.0	+/-30.0	U	30.0	P	10/14/2024	16:07	LB132927
	Copper	20.0	+/-20.0	U	20.0	P	10/14/2024	16:07	LB132927
	Iron	100	+/-100	U	100	P	10/14/2024	16:07	LB132927
	Lead	12.0	+/-12.0	U	12.0	P	10/14/2024	16:07	LB132927
	Magnesium	2000	+/-2000	U	2000	P	10/14/2024	16:07	LB132927
	Manganese	20.0	+/-20.0	U	20.0	P	10/14/2024	16:07	LB132927
	Nickel	40.0	+/-40.0	U	40.0	P	10/14/2024	16:07	LB132927
	Potassium	2000	+/-2000	U	2000	P	10/14/2024	16:07	LB132927
	Selenium	20.0	+/-20.0	U	20.0	P	10/14/2024	16:07	LB132927
	Silver	1.36	+/-10.0	J	10.0	P	10/14/2024	16:07	LB132927
	Sodium	2000	+/-2000	U	2000	P	10/14/2024	16:07	LB132927
	Thallium	40.0	+/-40.0	U	40.0	P	10/14/2024	16:07	LB132927
	Vanadium	40.0	+/-40.0	U	40.0	P	10/14/2024	16:07	LB132927
	Zinc	40.0	+/-40.0	U	40.0	P	10/14/2024	16:07	LB132927
CCB04	Aluminum	100	+/-100	U	100	P	10/14/2024	17:11	LB132927
	Antimony	50.0	+/-50.0	U	50.0	P	10/14/2024	17:11	LB132927
	Arsenic	20.0	+/-20.0	U	20.0	P	10/14/2024	17:11	LB132927
	Barium	100	+/-100	U	100	P	10/14/2024	17:11	LB132927
	Beryllium	6.00	+/-6.00	U	6.00	P	10/14/2024	17:11	LB132927
	Cadmium	6.00	+/-6.00	U	6.00	P	10/14/2024	17:11	LB132927
	Calcium	2000	+/-2000	U	2000	P	10/14/2024	17:11	LB132927
	Chromium	10.0	+/-10.0	U	10.0	P	10/14/2024	17:11	LB132927
	Cobalt	30.0	+/-30.0	U	30.0	P	10/14/2024	17:11	LB132927
	Copper	20.0	+/-20.0	U	20.0	P	10/14/2024	17:11	LB132927
	Iron	100	+/-100	U	100	P	10/14/2024	17:11	LB132927
	Lead	12.0	+/-12.0	U	12.0	P	10/14/2024	17:11	LB132927

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Roman E&G Corp **SDG No.:** P4258

Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Magnesium	2000	+/-2000	U	2000	P	10/14/2024	17:11	LB132927
	Manganese	20.0	+/-20.0	U	20.0	P	10/14/2024	17:11	LB132927
	Nickel	40.0	+/-40.0	U	40.0	P	10/14/2024	17:11	LB132927
	Potassium	2000	+/-2000	U	2000	P	10/14/2024	17:11	LB132927
	Selenium	20.0	+/-20.0	U	20.0	P	10/14/2024	17:11	LB132927
	Silver	1.36	+/-10.0	J	10.0	P	10/14/2024	17:11	LB132927
	Sodium	2000	+/-2000	U	2000	P	10/14/2024	17:11	LB132927
	Thallium	40.0	+/-40.0	U	40.0	P	10/14/2024	17:11	LB132927
	Vanadium	40.0	+/-40.0	U	40.0	P	10/14/2024	17:11	LB132927
	Zinc	40.0	+/-40.0	U	40.0	P	10/14/2024	17:11	LB132927
CCB05	Aluminum	100	+/-100	U	100	P	10/14/2024	18:04	LB132927
	Antimony	50.0	+/-50.0	U	50.0	P	10/14/2024	18:04	LB132927
	Arsenic	20.0	+/-20.0	U	20.0	P	10/14/2024	18:04	LB132927
	Barium	100	+/-100	U	100	P	10/14/2024	18:04	LB132927
	Beryllium	6.00	+/-6.00	U	6.00	P	10/14/2024	18:04	LB132927
	Cadmium	6.00	+/-6.00	U	6.00	P	10/14/2024	18:04	LB132927
	Calcium	2000	+/-2000	U	2000	P	10/14/2024	18:04	LB132927
	Chromium	10.0	+/-10.0	U	10.0	P	10/14/2024	18:04	LB132927
	Cobalt	30.0	+/-30.0	U	30.0	P	10/14/2024	18:04	LB132927
	Copper	20.0	+/-20.0	U	20.0	P	10/14/2024	18:04	LB132927
	Iron	100	+/-100	U	100	P	10/14/2024	18:04	LB132927
	Lead	12.0	+/-12.0	U	12.0	P	10/14/2024	18:04	LB132927
	Magnesium	2000	+/-2000	U	2000	P	10/14/2024	18:04	LB132927
	Manganese	20.0	+/-20.0	U	20.0	P	10/14/2024	18:04	LB132927
	Nickel	40.0	+/-40.0	U	40.0	P	10/14/2024	18:04	LB132927
	Potassium	2000	+/-2000	U	2000	P	10/14/2024	18:04	LB132927
	Selenium	20.0	+/-20.0	U	20.0	P	10/14/2024	18:04	LB132927
	Silver	1.27	+/-10.0	J	10.0	P	10/14/2024	18:04	LB132927
	Sodium	2000	+/-2000	U	2000	P	10/14/2024	18:04	LB132927
	Thallium	40.0	+/-40.0	U	40.0	P	10/14/2024	18:04	LB132927
	Vanadium	40.0	+/-40.0	U	40.0	P	10/14/2024	18:04	LB132927
	Zinc	40.0	+/-40.0	U	40.0	P	10/14/2024	18:04	LB132927
CCB06	Aluminum	100	+/-100	U	100	P	10/14/2024	18:55	LB132927
	Antimony	50.0	+/-50.0	U	50.0	P	10/14/2024	18:55	LB132927
	Arsenic	20.0	+/-20.0	U	20.0	P	10/14/2024	18:55	LB132927
	Barium	100	+/-100	U	100	P	10/14/2024	18:55	LB132927
	Beryllium	6.00	+/-6.00	U	6.00	P	10/14/2024	18:55	LB132927
	Cadmium	6.00	+/-6.00	U	6.00	P	10/14/2024	18:55	LB132927
	Calcium	2000	+/-2000	U	2000	P	10/14/2024	18:55	LB132927

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Roman E&G Corp **SDG No.:** P4258

Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB06	Chromium	10.0	+/-10.0	U	10.0	P	10/14/2024	18:55	LB132927
	Cobalt	30.0	+/-30.0	U	30.0	P	10/14/2024	18:55	LB132927
	Copper	20.0	+/-20.0	U	20.0	P	10/14/2024	18:55	LB132927
	Iron	100	+/-100	U	100	P	10/14/2024	18:55	LB132927
	Lead	12.0	+/-12.0	U	12.0	P	10/14/2024	18:55	LB132927
	Magnesium	2000	+/-2000	U	2000	P	10/14/2024	18:55	LB132927
	Manganese	20.0	+/-20.0	U	20.0	P	10/14/2024	18:55	LB132927
	Nickel	40.0	+/-40.0	U	40.0	P	10/14/2024	18:55	LB132927
	Potassium	2000	+/-2000	U	2000	P	10/14/2024	18:55	LB132927
	Selenium	20.0	+/-20.0	U	20.0	P	10/14/2024	18:55	LB132927
	Silver	10.0	+/-10.0	U	10.0	P	10/14/2024	18:55	LB132927
	Sodium	2000	+/-2000	U	2000	P	10/14/2024	18:55	LB132927
	Thallium	40.0	+/-40.0	U	40.0	P	10/14/2024	18:55	LB132927
	Vanadium	40.0	+/-40.0	U	40.0	P	10/14/2024	18:55	LB132927
	Zinc	40.0	+/-40.0	U	40.0	P	10/14/2024	18:55	LB132927
CCB07	Aluminum	100	+/-100	U	100	P	10/14/2024	19:15	LB132927
	Antimony	50.0	+/-50.0	U	50.0	P	10/14/2024	19:15	LB132927
	Arsenic	20.0	+/-20.0	U	20.0	P	10/14/2024	19:15	LB132927
	Barium	100	+/-100	U	100	P	10/14/2024	19:15	LB132927
	Beryllium	6.00	+/-6.00	U	6.00	P	10/14/2024	19:15	LB132927
	Cadmium	6.00	+/-6.00	U	6.00	P	10/14/2024	19:15	LB132927
	Calcium	2000	+/-2000	U	2000	P	10/14/2024	19:15	LB132927
	Chromium	10.0	+/-10.0	U	10.0	P	10/14/2024	19:15	LB132927
	Cobalt	30.0	+/-30.0	U	30.0	P	10/14/2024	19:15	LB132927
	Copper	20.0	+/-20.0	U	20.0	P	10/14/2024	19:15	LB132927
	Iron	100	+/-100	U	100	P	10/14/2024	19:15	LB132927
	Lead	12.0	+/-12.0	U	12.0	P	10/14/2024	19:15	LB132927
	Magnesium	2000	+/-2000	U	2000	P	10/14/2024	19:15	LB132927
	Manganese	20.0	+/-20.0	U	20.0	P	10/14/2024	19:15	LB132927
	Nickel	40.0	+/-40.0	U	40.0	P	10/14/2024	19:15	LB132927
	Potassium	2000	+/-2000	U	2000	P	10/14/2024	19:15	LB132927
	Selenium	20.0	+/-20.0	U	20.0	P	10/14/2024	19:15	LB132927
	Silver	1.22	+/-10.0	J	10.0	P	10/14/2024	19:15	LB132927
	Sodium	2000	+/-2000	U	2000	P	10/14/2024	19:15	LB132927
	Thallium	40.0	+/-40.0	U	40.0	P	10/14/2024	19:15	LB132927
	Vanadium	40.0	+/-40.0	U	40.0	P	10/14/2024	19:15	LB132927
	Zinc	40.0	+/-40.0	U	40.0	P	10/14/2024	19:15	LB132927

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Roman E&G Corp **SDG No.:** P4258

Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	100	+/-100	U	100	P	10/15/2024	11:41	LB132951
	Antimony	50.0	+/-50.0	U	50.0	P	10/15/2024	11:41	LB132951
	Arsenic	20.0	+/-20.0	U	20.0	P	10/15/2024	11:41	LB132951
	Barium	100	+/-100	U	100	P	10/15/2024	11:41	LB132951
	Beryllium	6.00	+/-6.00	U	6.00	P	10/15/2024	11:41	LB132951
	Cadmium	6.00	+/-6.00	U	6.00	P	10/15/2024	11:41	LB132951
	Calcium	2000	+/-2000	U	2000	P	10/15/2024	11:41	LB132951
	Chromium	10.0	+/-10.0	U	10.0	P	10/15/2024	11:41	LB132951
	Cobalt	30.0	+/-30.0	U	30.0	P	10/15/2024	11:41	LB132951
	Copper	20.0	+/-20.0	U	20.0	P	10/15/2024	11:41	LB132951
	Iron	100	+/-100	U	100	P	10/15/2024	11:41	LB132951
	Lead	12.0	+/-12.0	U	12.0	P	10/15/2024	11:41	LB132951
	Magnesium	2000	+/-2000	U	2000	P	10/15/2024	11:41	LB132951
	Manganese	20.0	+/-20.0	U	20.0	P	10/15/2024	11:41	LB132951
	Nickel	40.0	+/-40.0	U	40.0	P	10/15/2024	11:41	LB132951
	Potassium	2000	+/-2000	U	2000	P	10/15/2024	11:41	LB132951
	Selenium	20.0	+/-20.0	U	20.0	P	10/15/2024	11:41	LB132951
	Silver	10.0	+/-10.0	U	10.0	P	10/15/2024	11:41	LB132951
	Sodium	2000	+/-2000	U	2000	P	10/15/2024	11:41	LB132951
	Thallium	40.0	+/-40.0	U	40.0	P	10/15/2024	11:41	LB132951
	Vanadium	40.0	+/-40.0	U	40.0	P	10/15/2024	11:41	LB132951
	Zinc	40.0	+/-40.0	U	40.0	P	10/15/2024	11:41	LB132951

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Roman E&G Corp **SDG No.:** P4258

Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	100	+/-100	U	100	P	10/15/2024	12:30	LB132951
	Antimony	50.0	+/-50.0	U	50.0	P	10/15/2024	12:30	LB132951
	Arsenic	20.0	+/-20.0	U	20.0	P	10/15/2024	12:30	LB132951
	Barium	100	+/-100	U	100	P	10/15/2024	12:30	LB132951
	Beryllium	6.00	+/-6.00	U	6.00	P	10/15/2024	12:30	LB132951
	Cadmium	6.00	+/-6.00	U	6.00	P	10/15/2024	12:30	LB132951
	Calcium	2000	+/-2000	U	2000	P	10/15/2024	12:30	LB132951
	Chromium	10.0	+/-10.0	U	10.0	P	10/15/2024	12:30	LB132951
	Cobalt	30.0	+/-30.0	U	30.0	P	10/15/2024	12:30	LB132951
	Copper	20.0	+/-20.0	U	20.0	P	10/15/2024	12:30	LB132951
	Iron	100	+/-100	U	100	P	10/15/2024	12:30	LB132951
	Lead	12.0	+/-12.0	U	12.0	P	10/15/2024	12:30	LB132951
	Magnesium	2000	+/-2000	U	2000	P	10/15/2024	12:30	LB132951
	Manganese	20.0	+/-20.0	U	20.0	P	10/15/2024	12:30	LB132951
	Nickel	40.0	+/-40.0	U	40.0	P	10/15/2024	12:30	LB132951
	Potassium	2000	+/-2000	U	2000	P	10/15/2024	12:30	LB132951
	Selenium	20.0	+/-20.0	U	20.0	P	10/15/2024	12:30	LB132951
	Silver	10.0	+/-10.0	U	10.0	P	10/15/2024	12:30	LB132951
	Sodium	2000	+/-2000	U	2000	P	10/15/2024	12:30	LB132951
	Thallium	40.0	+/-40.0	U	40.0	P	10/15/2024	12:30	LB132951
	Vanadium	40.0	+/-40.0	U	40.0	P	10/15/2024	12:30	LB132951
	Zinc	40.0	+/-40.0	U	40.0	P	10/15/2024	12:30	LB132951
CCB02	Aluminum	100	+/-100	U	100	P	10/15/2024	13:27	LB132951
	Antimony	50.0	+/-50.0	U	50.0	P	10/15/2024	13:27	LB132951
	Arsenic	20.0	+/-20.0	U	20.0	P	10/15/2024	13:27	LB132951
	Barium	100	+/-100	U	100	P	10/15/2024	13:27	LB132951
	Beryllium	6.00	+/-6.00	U	6.00	P	10/15/2024	13:27	LB132951
	Cadmium	6.00	+/-6.00	U	6.00	P	10/15/2024	13:27	LB132951
	Calcium	2000	+/-2000	U	2000	P	10/15/2024	13:27	LB132951
	Chromium	10.0	+/-10.0	U	10.0	P	10/15/2024	13:27	LB132951
	Cobalt	30.0	+/-30.0	U	30.0	P	10/15/2024	13:27	LB132951
	Copper	20.0	+/-20.0	U	20.0	P	10/15/2024	13:27	LB132951
	Iron	100	+/-100	U	100	P	10/15/2024	13:27	LB132951
	Lead	12.0	+/-12.0	U	12.0	P	10/15/2024	13:27	LB132951
	Magnesium	2000	+/-2000	U	2000	P	10/15/2024	13:27	LB132951
	Manganese	20.0	+/-20.0	U	20.0	P	10/15/2024	13:27	LB132951
	Nickel	40.0	+/-40.0	U	40.0	P	10/15/2024	13:27	LB132951
	Potassium	2000	+/-2000	U	2000	P	10/15/2024	13:27	LB132951
	Selenium	20.0	+/-20.0	U	20.0	P	10/15/2024	13:27	LB132951

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Roman E&G Corp **SDG No.:** P4258

Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Silver	10.0	+/-10.0	U	10.0	P	10/15/2024	13:27	LB132951
	Sodium	2000	+/-2000	U	2000	P	10/15/2024	13:27	LB132951
	Thallium	40.0	+/-40.0	U	40.0	P	10/15/2024	13:27	LB132951
	Vanadium	40.0	+/-40.0	U	40.0	P	10/15/2024	13:27	LB132951
	Zinc	40.0	+/-40.0	U	40.0	P	10/15/2024	13:27	LB132951
CCB03	Aluminum	100	+/-100	U	100	P	10/15/2024	14:11	LB132951
	Antimony	50.0	+/-50.0	U	50.0	P	10/15/2024	14:11	LB132951
	Arsenic	20.0	+/-20.0	U	20.0	P	10/15/2024	14:11	LB132951
	Barium	100	+/-100	U	100	P	10/15/2024	14:11	LB132951
	Beryllium	6.00	+/-6.00	U	6.00	P	10/15/2024	14:11	LB132951
	Cadmium	6.00	+/-6.00	U	6.00	P	10/15/2024	14:11	LB132951
	Calcium	2000	+/-2000	U	2000	P	10/15/2024	14:11	LB132951
	Chromium	10.0	+/-10.0	U	10.0	P	10/15/2024	14:11	LB132951
	Cobalt	30.0	+/-30.0	U	30.0	P	10/15/2024	14:11	LB132951
	Copper	20.0	+/-20.0	U	20.0	P	10/15/2024	14:11	LB132951
	Iron	100	+/-100	U	100	P	10/15/2024	14:11	LB132951
	Lead	12.0	+/-12.0	U	12.0	P	10/15/2024	14:11	LB132951
	Magnesium	2000	+/-2000	U	2000	P	10/15/2024	14:11	LB132951
	Manganese	20.0	+/-20.0	U	20.0	P	10/15/2024	14:11	LB132951
	Nickel	40.0	+/-40.0	U	40.0	P	10/15/2024	14:11	LB132951
	Potassium	2000	+/-2000	U	2000	P	10/15/2024	14:11	LB132951
	Selenium	20.0	+/-20.0	U	20.0	P	10/15/2024	14:11	LB132951
	Silver	10.0	+/-10.0	U	10.0	P	10/15/2024	14:11	LB132951
	Sodium	2000	+/-2000	U	2000	P	10/15/2024	14:11	LB132951
	Thallium	40.0	+/-40.0	U	40.0	P	10/15/2024	14:11	LB132951
	Vanadium	40.0	+/-40.0	U	40.0	P	10/15/2024	14:11	LB132951
	Zinc	40.0	+/-40.0	U	40.0	P	10/15/2024	14:11	LB132951
CCB04	Aluminum	100	+/-100	U	100	P	10/15/2024	14:39	LB132951
	Antimony	50.0	+/-50.0	U	50.0	P	10/15/2024	14:39	LB132951
	Arsenic	20.0	+/-20.0	U	20.0	P	10/15/2024	14:39	LB132951
	Barium	100	+/-100	U	100	P	10/15/2024	14:39	LB132951
	Beryllium	6.00	+/-6.00	U	6.00	P	10/15/2024	14:39	LB132951
	Cadmium	6.00	+/-6.00	U	6.00	P	10/15/2024	14:39	LB132951
	Calcium	2000	+/-2000	U	2000	P	10/15/2024	14:39	LB132951
	Chromium	10.0	+/-10.0	U	10.0	P	10/15/2024	14:39	LB132951
	Cobalt	30.0	+/-30.0	U	30.0	P	10/15/2024	14:39	LB132951
	Copper	20.0	+/-20.0	U	20.0	P	10/15/2024	14:39	LB132951
	Iron	100	+/-100	U	100	P	10/15/2024	14:39	LB132951
	Lead	12.0	+/-12.0	U	12.0	P	10/15/2024	14:39	LB132951

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Roman E&G Corp **SDG No.:** P4258

Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Magnesium	2000	+/-2000	U	2000	P	10/15/2024	14:39	LB132951
	Manganese	20.0	+/-20.0	U	20.0	P	10/15/2024	14:39	LB132951
	Nickel	40.0	+/-40.0	U	40.0	P	10/15/2024	14:39	LB132951
	Potassium	2000	+/-2000	U	2000	P	10/15/2024	14:39	LB132951
	Selenium	20.0	+/-20.0	U	20.0	P	10/15/2024	14:39	LB132951
	Silver	10.0	+/-10.0	U	10.0	P	10/15/2024	14:39	LB132951
	Sodium	2000	+/-2000	U	2000	P	10/15/2024	14:39	LB132951
	Thallium	40.0	+/-40.0	U	40.0	P	10/15/2024	14:39	LB132951
	Vanadium	40.0	+/-40.0	U	40.0	P	10/15/2024	14:39	LB132951
	Zinc	40.0	+/-40.0	U	40.0	P	10/15/2024	14:39	LB132951
CCB05	Aluminum	100	+/-100	U	100	P	10/15/2024	15:30	LB132951
	Antimony	50.0	+/-50.0	U	50.0	P	10/15/2024	15:30	LB132951
	Arsenic	20.0	+/-20.0	U	20.0	P	10/15/2024	15:30	LB132951
	Barium	100	+/-100	U	100	P	10/15/2024	15:30	LB132951
	Beryllium	6.00	+/-6.00	U	6.00	P	10/15/2024	15:30	LB132951
	Cadmium	6.00	+/-6.00	U	6.00	P	10/15/2024	15:30	LB132951
	Calcium	2000	+/-2000	U	2000	P	10/15/2024	15:30	LB132951
	Chromium	10.0	+/-10.0	U	10.0	P	10/15/2024	15:30	LB132951
	Cobalt	30.0	+/-30.0	U	30.0	P	10/15/2024	15:30	LB132951
	Copper	20.0	+/-20.0	U	20.0	P	10/15/2024	15:30	LB132951
	Iron	100	+/-100	U	100	P	10/15/2024	15:30	LB132951
	Lead	12.0	+/-12.0	U	12.0	P	10/15/2024	15:30	LB132951
	Magnesium	2000	+/-2000	U	2000	P	10/15/2024	15:30	LB132951
	Manganese	20.0	+/-20.0	U	20.0	P	10/15/2024	15:30	LB132951
	Nickel	40.0	+/-40.0	U	40.0	P	10/15/2024	15:30	LB132951
	Potassium	2000	+/-2000	U	2000	P	10/15/2024	15:30	LB132951
	Selenium	20.0	+/-20.0	U	20.0	P	10/15/2024	15:30	LB132951
	Silver	10.0	+/-10.0	U	10.0	P	10/15/2024	15:30	LB132951
	Sodium	2000	+/-2000	U	2000	P	10/15/2024	15:30	LB132951
	Thallium	40.0	+/-40.0	U	40.0	P	10/15/2024	15:30	LB132951
	Vanadium	40.0	+/-40.0	U	40.0	P	10/15/2024	15:30	LB132951
	Zinc	40.0	+/-40.0	U	40.0	P	10/15/2024	15:30	LB132951
CCB06	Aluminum	100	+/-100	U	100	P	10/15/2024	16:21	LB132951
	Antimony	50.0	+/-50.0	U	50.0	P	10/15/2024	16:21	LB132951
	Arsenic	20.0	+/-20.0	U	20.0	P	10/15/2024	16:21	LB132951
	Barium	100	+/-100	U	100	P	10/15/2024	16:21	LB132951
	Beryllium	6.00	+/-6.00	U	6.00	P	10/15/2024	16:21	LB132951
	Cadmium	6.00	+/-6.00	U	6.00	P	10/15/2024	16:21	LB132951
	Calcium	2000	+/-2000	U	2000	P	10/15/2024	16:21	LB132951

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Roman E&G Corp **SDG No.:** P4258

Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB06	Chromium	10.0	+/-10.0	U	10.0	P	10/15/2024	16:21	LB132951
	Cobalt	30.0	+/-30.0	U	30.0	P	10/15/2024	16:21	LB132951
	Copper	20.0	+/-20.0	U	20.0	P	10/15/2024	16:21	LB132951
	Iron	100	+/-100	U	100	P	10/15/2024	16:21	LB132951
	Lead	12.0	+/-12.0	U	12.0	P	10/15/2024	16:21	LB132951
	Magnesium	2000	+/-2000	U	2000	P	10/15/2024	16:21	LB132951
	Manganese	20.0	+/-20.0	U	20.0	P	10/15/2024	16:21	LB132951
	Nickel	40.0	+/-40.0	U	40.0	P	10/15/2024	16:21	LB132951
	Potassium	2000	+/-2000	U	2000	P	10/15/2024	16:21	LB132951
	Selenium	20.0	+/-20.0	U	20.0	P	10/15/2024	16:21	LB132951
	Silver	10.0	+/-10.0	U	10.0	P	10/15/2024	16:21	LB132951
	Sodium	2000	+/-2000	U	2000	P	10/15/2024	16:21	LB132951
	Thallium	40.0	+/-40.0	U	40.0	P	10/15/2024	16:21	LB132951
	Vanadium	40.0	+/-40.0	U	40.0	P	10/15/2024	16:21	LB132951
	Zinc	40.0	+/-40.0	U	40.0	P	10/15/2024	16:21	LB132951
CCB07	Aluminum	100	+/-100	U	100	P	10/15/2024	17:18	LB132951
	Antimony	50.0	+/-50.0	U	50.0	P	10/15/2024	17:18	LB132951
	Arsenic	20.0	+/-20.0	U	20.0	P	10/15/2024	17:18	LB132951
	Barium	100	+/-100	U	100	P	10/15/2024	17:18	LB132951
	Beryllium	6.00	+/-6.00	U	6.00	P	10/15/2024	17:18	LB132951
	Cadmium	6.00	+/-6.00	U	6.00	P	10/15/2024	17:18	LB132951
	Calcium	2000	+/-2000	U	2000	P	10/15/2024	17:18	LB132951
	Chromium	10.0	+/-10.0	U	10.0	P	10/15/2024	17:18	LB132951
	Cobalt	30.0	+/-30.0	U	30.0	P	10/15/2024	17:18	LB132951
	Copper	20.0	+/-20.0	U	20.0	P	10/15/2024	17:18	LB132951
	Iron	100	+/-100	U	100	P	10/15/2024	17:18	LB132951
	Lead	12.0	+/-12.0	U	12.0	P	10/15/2024	17:18	LB132951
	Magnesium	2000	+/-2000	U	2000	P	10/15/2024	17:18	LB132951
	Manganese	20.0	+/-20.0	U	20.0	P	10/15/2024	17:18	LB132951
	Nickel	40.0	+/-40.0	U	40.0	P	10/15/2024	17:18	LB132951
	Potassium	2000	+/-2000	U	2000	P	10/15/2024	17:18	LB132951
	Selenium	20.0	+/-20.0	U	20.0	P	10/15/2024	17:18	LB132951
	Silver	10.0	+/-10.0	U	10.0	P	10/15/2024	17:18	LB132951
	Sodium	2000	+/-2000	U	2000	P	10/15/2024	17:18	LB132951
	Thallium	40.0	+/-40.0	U	40.0	P	10/15/2024	17:18	LB132951
	Vanadium	40.0	+/-40.0	U	40.0	P	10/15/2024	17:18	LB132951
	Zinc	40.0	+/-40.0	U	40.0	P	10/15/2024	17:18	LB132951
CCB08	Aluminum	100	+/-100	U	100	P	10/15/2024	17:53	LB132951
	Antimony	50.0	+/-50.0	U	50.0	P	10/15/2024	17:53	LB132951

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Roman E&G Corp **SDG No.:** P4258

Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB08	Arsenic	20.0	+/-20.0	U	20.0	P	10/15/2024	17:53	LB132951
	Barium	100	+/-100	U	100	P	10/15/2024	17:53	LB132951
	Beryllium	6.00	+/-6.00	U	6.00	P	10/15/2024	17:53	LB132951
	Cadmium	6.00	+/-6.00	U	6.00	P	10/15/2024	17:53	LB132951
	Calcium	2000	+/-2000	U	2000	P	10/15/2024	17:53	LB132951
	Chromium	10.0	+/-10.0	U	10.0	P	10/15/2024	17:53	LB132951
	Cobalt	30.0	+/-30.0	U	30.0	P	10/15/2024	17:53	LB132951
	Copper	20.0	+/-20.0	U	20.0	P	10/15/2024	17:53	LB132951
	Iron	100	+/-100	U	100	P	10/15/2024	17:53	LB132951
	Lead	12.0	+/-12.0	U	12.0	P	10/15/2024	17:53	LB132951
	Magnesium	2000	+/-2000	U	2000	P	10/15/2024	17:53	LB132951
	Manganese	20.0	+/-20.0	U	20.0	P	10/15/2024	17:53	LB132951
	Nickel	40.0	+/-40.0	U	40.0	P	10/15/2024	17:53	LB132951
	Potassium	2000	+/-2000	U	2000	P	10/15/2024	17:53	LB132951
	Selenium	20.0	+/-20.0	U	20.0	P	10/15/2024	17:53	LB132951
	Silver	10.0	+/-10.0	U	10.0	P	10/15/2024	17:53	LB132951
	Sodium	2000	+/-2000	U	2000	P	10/15/2024	17:53	LB132951
	Thallium	40.0	+/-40.0	U	40.0	P	10/15/2024	17:53	LB132951
	Vanadium	40.0	+/-40.0	U	40.0	P	10/15/2024	17:53	LB132951
	Zinc	40.0	+/-40.0	U	40.0	P	10/15/2024	17:53	LB132951

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Roman E&G Corp **SDG No.:** P4258

Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	100	+/-100	U	100	P	10/18/2024	13:23	LB133014
	Antimony	50.0	+/-50.0	U	50.0	P	10/18/2024	13:23	LB133014
	Arsenic	20.0	+/-20.0	U	20.0	P	10/18/2024	13:23	LB133014
	Barium	100	+/-100	U	100	P	10/18/2024	13:23	LB133014
	Beryllium	6.00	+/-6.00	U	6.00	P	10/18/2024	13:23	LB133014
	Cadmium	6.00	+/-6.00	U	6.00	P	10/18/2024	13:23	LB133014
	Calcium	2000	+/-2000	U	2000	P	10/18/2024	13:23	LB133014
	Chromium	10.0	+/-10.0	U	10.0	P	10/18/2024	13:23	LB133014
	Cobalt	30.0	+/-30.0	U	30.0	P	10/18/2024	13:23	LB133014
	Copper	20.0	+/-20.0	U	20.0	P	10/18/2024	13:23	LB133014
	Iron	100	+/-100	U	100	P	10/18/2024	13:23	LB133014
	Lead	12.0	+/-12.0	U	12.0	P	10/18/2024	13:23	LB133014
	Magnesium	2000	+/-2000	U	2000	P	10/18/2024	13:23	LB133014
	Manganese	20.0	+/-20.0	U	20.0	P	10/18/2024	13:23	LB133014
	Nickel	40.0	+/-40.0	U	40.0	P	10/18/2024	13:23	LB133014
	Potassium	2000	+/-2000	U	2000	P	10/18/2024	13:23	LB133014
	Selenium	20.0	+/-20.0	U	20.0	P	10/18/2024	13:23	LB133014
	Silver	10.0	+/-10.0	U	10.0	P	10/18/2024	13:23	LB133014
	Sodium	2000	+/-2000	U	2000	P	10/18/2024	13:23	LB133014
	Thallium	40.0	+/-40.0	U	40.0	P	10/18/2024	13:23	LB133014
	Vanadium	40.0	+/-40.0	U	40.0	P	10/18/2024	13:23	LB133014
	Zinc	40.0	+/-40.0	U	40.0	P	10/18/2024	13:23	LB133014

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Roman E&G Corp **SDG No.:** P4258

Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	100	+/-100	U	100	P	10/18/2024	14:05	LB133014
	Antimony	50.0	+/-50.0	U	50.0	P	10/18/2024	14:05	LB133014
	Arsenic	20.0	+/-20.0	U	20.0	P	10/18/2024	14:05	LB133014
	Barium	100	+/-100	U	100	P	10/18/2024	14:05	LB133014
	Beryllium	6.00	+/-6.00	U	6.00	P	10/18/2024	14:05	LB133014
	Cadmium	0.48	+/-6.00	J	6.00	P	10/18/2024	14:05	LB133014
	Calcium	2000	+/-2000	U	2000	P	10/18/2024	14:05	LB133014
	Chromium	10.0	+/-10.0	U	10.0	P	10/18/2024	14:05	LB133014
	Cobalt	30.0	+/-30.0	U	30.0	P	10/18/2024	14:05	LB133014
	Copper	20.0	+/-20.0	U	20.0	P	10/18/2024	14:05	LB133014
	Iron	100	+/-100	U	100	P	10/18/2024	14:05	LB133014
	Lead	12.0	+/-12.0	U	12.0	P	10/18/2024	14:05	LB133014
	Magnesium	2000	+/-2000	U	2000	P	10/18/2024	14:05	LB133014
	Manganese	20.0	+/-20.0	U	20.0	P	10/18/2024	14:05	LB133014
	Nickel	40.0	+/-40.0	U	40.0	P	10/18/2024	14:05	LB133014
	Potassium	2000	+/-2000	U	2000	P	10/18/2024	14:05	LB133014
	Selenium	20.0	+/-20.0	U	20.0	P	10/18/2024	14:05	LB133014
	Silver	10.0	+/-10.0	U	10.0	P	10/18/2024	14:05	LB133014
	Sodium	2000	+/-2000	U	2000	P	10/18/2024	14:05	LB133014
	Thallium	40.0	+/-40.0	U	40.0	P	10/18/2024	14:05	LB133014
	Vanadium	40.0	+/-40.0	U	40.0	P	10/18/2024	14:05	LB133014
	Zinc	40.0	+/-40.0	U	40.0	P	10/18/2024	14:05	LB133014
CCB02	Aluminum	100	+/-100	U	100	P	10/18/2024	14:57	LB133014
	Antimony	50.0	+/-50.0	U	50.0	P	10/18/2024	14:57	LB133014
	Arsenic	20.0	+/-20.0	U	20.0	P	10/18/2024	14:57	LB133014
	Barium	100	+/-100	U	100	P	10/18/2024	14:57	LB133014
	Beryllium	6.00	+/-6.00	U	6.00	P	10/18/2024	14:57	LB133014
	Cadmium	6.00	+/-6.00	U	6.00	P	10/18/2024	14:57	LB133014
	Calcium	2000	+/-2000	U	2000	P	10/18/2024	14:57	LB133014
	Chromium	10.0	+/-10.0	U	10.0	P	10/18/2024	14:57	LB133014
	Cobalt	30.0	+/-30.0	U	30.0	P	10/18/2024	14:57	LB133014
	Copper	20.0	+/-20.0	U	20.0	P	10/18/2024	14:57	LB133014
	Iron	100	+/-100	U	100	P	10/18/2024	14:57	LB133014
	Lead	12.0	+/-12.0	U	12.0	P	10/18/2024	14:57	LB133014
	Magnesium	2000	+/-2000	U	2000	P	10/18/2024	14:57	LB133014
	Manganese	20.0	+/-20.0	U	20.0	P	10/18/2024	14:57	LB133014
	Nickel	40.0	+/-40.0	U	40.0	P	10/18/2024	14:57	LB133014
	Potassium	2000	+/-2000	U	2000	P	10/18/2024	14:57	LB133014
	Selenium	20.0	+/-20.0	U	20.0	P	10/18/2024	14:57	LB133014

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Roman E&G Corp **SDG No.:** P4258

Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Silver	10.0	+/-10.0	U	10.0	P	10/18/2024	14:57	LB133014
	Sodium	2000	+/-2000	U	2000	P	10/18/2024	14:57	LB133014
	Thallium	40.0	+/-40.0	U	40.0	P	10/18/2024	14:57	LB133014
	Vanadium	40.0	+/-40.0	U	40.0	P	10/18/2024	14:57	LB133014
	Zinc	40.0	+/-40.0	U	40.0	P	10/18/2024	14:57	LB133014
CCB03	Aluminum	100	+/-100	U	100	P	10/18/2024	16:39	LB133014
	Antimony	50.0	+/-50.0	U	50.0	P	10/18/2024	16:39	LB133014
	Arsenic	20.0	+/-20.0	U	20.0	P	10/18/2024	16:39	LB133014
	Barium	100	+/-100	U	100	P	10/18/2024	16:39	LB133014
	Beryllium	6.00	+/-6.00	U	6.00	P	10/18/2024	16:39	LB133014
	Cadmium	6.00	+/-6.00	U	6.00	P	10/18/2024	16:39	LB133014
	Calcium	2000	+/-2000	U	2000	P	10/18/2024	16:39	LB133014
	Chromium	10.0	+/-10.0	U	10.0	P	10/18/2024	16:39	LB133014
	Cobalt	30.0	+/-30.0	U	30.0	P	10/18/2024	16:39	LB133014
	Copper	20.0	+/-20.0	U	20.0	P	10/18/2024	16:39	LB133014
	Iron	100	+/-100	U	100	P	10/18/2024	16:39	LB133014
	Lead	12.0	+/-12.0	U	12.0	P	10/18/2024	16:39	LB133014
	Magnesium	2000	+/-2000	U	2000	P	10/18/2024	16:39	LB133014
	Manganese	20.0	+/-20.0	U	20.0	P	10/18/2024	16:39	LB133014
	Nickel	40.0	+/-40.0	U	40.0	P	10/18/2024	16:39	LB133014
	Potassium	2000	+/-2000	U	2000	P	10/18/2024	16:39	LB133014
	Selenium	20.0	+/-20.0	U	20.0	P	10/18/2024	16:39	LB133014
	Silver	10.0	+/-10.0	U	10.0	P	10/18/2024	16:39	LB133014
	Sodium	2000	+/-2000	U	2000	P	10/18/2024	16:39	LB133014
	Thallium	40.0	+/-40.0	U	40.0	P	10/18/2024	16:39	LB133014
	Vanadium	40.0	+/-40.0	U	40.0	P	10/18/2024	16:39	LB133014
	Zinc	40.0	+/-40.0	U	40.0	P	10/18/2024	16:39	LB133014
CCB04	Aluminum	100	+/-100	U	100	P	10/18/2024	17:32	LB133014
	Antimony	50.0	+/-50.0	U	50.0	P	10/18/2024	17:32	LB133014
	Arsenic	20.0	+/-20.0	U	20.0	P	10/18/2024	17:32	LB133014
	Barium	100	+/-100	U	100	P	10/18/2024	17:32	LB133014
	Beryllium	6.00	+/-6.00	U	6.00	P	10/18/2024	17:32	LB133014
	Cadmium	6.00	+/-6.00	U	6.00	P	10/18/2024	17:32	LB133014
	Calcium	2000	+/-2000	U	2000	P	10/18/2024	17:32	LB133014
	Chromium	10.0	+/-10.0	U	10.0	P	10/18/2024	17:32	LB133014
	Cobalt	30.0	+/-30.0	U	30.0	P	10/18/2024	17:32	LB133014
	Copper	20.0	+/-20.0	U	20.0	P	10/18/2024	17:32	LB133014
	Iron	100	+/-100	U	100	P	10/18/2024	17:32	LB133014
	Lead	12.0	+/-12.0	U	12.0	P	10/18/2024	17:32	LB133014

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Roman E&G Corp **SDG No.:** P4258

Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Magnesium	2000	+/-2000	U	2000	P	10/18/2024	17:32	LB133014
	Manganese	20.0	+/-20.0	U	20.0	P	10/18/2024	17:32	LB133014
	Nickel	40.0	+/-40.0	U	40.0	P	10/18/2024	17:32	LB133014
	Potassium	2000	+/-2000	U	2000	P	10/18/2024	17:32	LB133014
	Selenium	20.0	+/-20.0	U	20.0	P	10/18/2024	17:32	LB133014
	Silver	10.0	+/-10.0	U	10.0	P	10/18/2024	17:32	LB133014
	Sodium	2000	+/-2000	U	2000	P	10/18/2024	17:32	LB133014
	Thallium	40.0	+/-40.0	U	40.0	P	10/18/2024	17:32	LB133014
	Vanadium	40.0	+/-40.0	U	40.0	P	10/18/2024	17:32	LB133014
	Zinc	40.0	+/-40.0	U	40.0	P	10/18/2024	17:32	LB133014

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Metals
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PREPARATION BLANK SUMMARY

Client: Roman E&G Corp **SDG No.:** P4258

Instrument: CV1

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB164114BL		**SOLID**		**Batch Number:**	**PB164114**		**Prep Date:**	**10/11/2024**	
	Mercury	0.013	<0.013	U	0.013	CV	10/14/2024	11:54	LB132914

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Metals
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PREPARATION BLANK SUMMARY

Client: Roman E&G Corp **SDG No.:** P4258

Instrument: P4

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB164065BL		**SOLID**		**Batch Number:**	**PB164065**		**Prep Date:**	**10/11/2024**	
	Aluminum	4.07	<4.07	U	4.07	P	10/15/2024	14:26	LB132951
	Antimony	2.03	<2.03	U	2.03	P	10/15/2024	14:26	LB132951
	Arsenic	0.81	<0.81	U	0.81	P	10/15/2024	14:26	LB132951
	Barium	4.07	<4.07	U	4.07	P	10/15/2024	14:26	LB132951
	Beryllium	0.24	<0.24	U	0.24	P	10/15/2024	14:26	LB132951
	Cadmium	0.24	<0.24	U	0.24	P	10/15/2024	14:26	LB132951
	Calcium	81.3	<81.3	U	81.3	P	10/15/2024	14:26	LB132951
	Chromium	0.41	<0.41	U	0.41	P	10/15/2024	14:26	LB132951
	Cobalt	1.22	<1.22	U	1.22	P	10/15/2024	14:26	LB132951
	Copper	0.81	<0.81	U	0.81	P	10/15/2024	14:26	LB132951
	Iron	4.07	<4.07	U	4.07	P	10/15/2024	14:26	LB132951
	Lead	0.49	<0.49	U	0.49	P	10/15/2024	14:26	LB132951
	Magnesium	81.3	<81.3	U	81.3	P	10/15/2024	14:26	LB132951
	Manganese	0.81	<0.81	U	0.81	P	10/15/2024	14:26	LB132951
	Nickel	1.63	<1.63	U	1.63	P	10/15/2024	14:26	LB132951
	Potassium	81.3	<81.3	U	81.3	P	10/15/2024	14:26	LB132951
	Selenium	0.81	<0.81	U	0.81	P	10/15/2024	14:26	LB132951
	Silver	0.41	<0.41	U	0.41	P	10/15/2024	14:26	LB132951
	Sodium	81.3	<81.3	U	81.3	P	10/15/2024	14:26	LB132951
	Thallium	1.63	<1.63	U	1.63	P	10/15/2024	14:26	LB132951
	Vanadium	1.63	<1.63	U	1.63	P	10/15/2024	14:26	LB132951
	Zinc	1.63	<1.63	U	1.63	P	10/15/2024	14:26	LB132951

METAL CALIBRATION DATA

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Roman E&G Corp **SDG No.:** P4258

Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV36	Mercury	4.25	4.0	106	90 - 110	CV	10/14/2024	11:33	LB132914

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Roman E&G Corp **SDG No.:** P4258

Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV13	Mercury	4.95	5.0	99	90 - 110	CV	10/14/2024	11:40	LB132914
CCV14	Mercury	4.81	5.0	96	90 - 110	CV	10/14/2024	12:10	LB132914
CCV15	Mercury	4.91	5.0	98	90 - 110	CV	10/14/2024	12:39	LB132914
CCV16	Mercury	4.98	5.0	100	90 - 110	CV	10/14/2024	13:09	LB132914
CCV17	Mercury	4.88	5.0	98	90 - 110	CV	10/14/2024	13:37	LB132914
CCV18	Mercury	5.09	5.0	102	90 - 110	CV	10/14/2024	14:04	LB132914
CCV19	Mercury	4.97	5.0	100	90 - 110	CV	10/14/2024	14:31	LB132914
CCV20	Mercury	5.08	5.0	102	90 - 110	CV	10/14/2024	14:59	LB132914
CCV21	Mercury	4.79	5.0	96	90 - 110	CV	10/14/2024	15:15	LB132914

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Roman E&G Corp **SDG No.:** P4258

Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Aluminum	2500	2500	100	90 - 110	P	10/14/2024	14:06	LB132927
	Antimony	1000	1000	100	90 - 110	P	10/14/2024	14:06	LB132927
	Arsenic	942	1000	94	90 - 110	P	10/14/2024	14:06	LB132927
	Barium	491	520	94	90 - 110	P	10/14/2024	14:06	LB132927
	Beryllium	504	510	99	90 - 110	P	10/14/2024	14:06	LB132927
	Cadmium	476	510	93	90 - 110	P	10/14/2024	14:06	LB132927
	Calcium	9910	10000	99	90 - 110	P	10/14/2024	14:06	LB132927
	Chromium	527	520	101	90 - 110	P	10/14/2024	14:06	LB132927
	Cobalt	507	520	98	90 - 110	P	10/14/2024	14:06	LB132927
	Copper	523	510	103	90 - 110	P	10/14/2024	14:06	LB132927
	Iron	9670	10000	97	90 - 110	P	10/14/2024	14:06	LB132927
	Lead	955	1000	96	90 - 110	P	10/14/2024	14:06	LB132927
	Magnesium	5900	6000	98	90 - 110	P	10/14/2024	14:06	LB132927
	Manganese	503	520	97	90 - 110	P	10/14/2024	14:06	LB132927
	Nickel	510	530	96	90 - 110	P	10/14/2024	14:06	LB132927
	Potassium	9500	9900	96	90 - 110	P	10/14/2024	14:06	LB132927
	Selenium	980	1000	98	90 - 110	P	10/14/2024	14:06	LB132927
	Silver	252	250	101	90 - 110	P	10/14/2024	14:06	LB132927
	Sodium	9030	10000	90	90 - 110	P	10/14/2024	14:06	LB132927
	Thallium	1020	1000	102	90 - 110	P	10/14/2024	14:06	LB132927
	Vanadium	504	500	101	90 - 110	P	10/14/2024	14:06	LB132927
	Zinc	1020	1000	102	90 - 110	P	10/14/2024	14:06	LB132927

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Roman E&G Corp **SDG No.:** P4258

Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Aluminum	111	100	111	80 - 120	P	10/14/2024	14:18	LB132927
	Antimony	51.8	50.0	104	80 - 120	P	10/14/2024	14:18	LB132927
	Arsenic	18.9	20.0	95	80 - 120	P	10/14/2024	14:18	LB132927
	Barium	94.5	100	94	80 - 120	P	10/14/2024	14:18	LB132927
	Beryllium	6.30	6.0	105	80 - 120	P	10/14/2024	14:18	LB132927
	Cadmium	6.12	6.0	102	80 - 120	P	10/14/2024	14:18	LB132927
	Calcium	2040	2000	102	80 - 120	P	10/14/2024	14:18	LB132927
	Chromium	9.77	10.0	98	80 - 120	P	10/14/2024	14:18	LB132927
	Cobalt	30.6	30.0	102	80 - 120	P	10/14/2024	14:18	LB132927
	Copper	22.5	20.0	113	80 - 120	P	10/14/2024	14:18	LB132927
	Iron	95.8	100	96	80 - 120	P	10/14/2024	14:18	LB132927
	Lead	10.2	12.0	85	80 - 120	P	10/14/2024	14:18	LB132927
	Magnesium	2180	2000	109	80 - 120	P	10/14/2024	14:18	LB132927
	Manganese	20.0	20.0	100	80 - 120	P	10/14/2024	14:18	LB132927
	Nickel	40.8	40.0	102	80 - 120	P	10/14/2024	14:18	LB132927
	Potassium	1900	2000	95	80 - 120	P	10/14/2024	14:18	LB132927
	Selenium	19.4	20.0	97	80 - 120	P	10/14/2024	14:18	LB132927
	Silver	10.8	10.0	108	80 - 120	P	10/14/2024	14:18	LB132927
	Sodium	1620	2000	81	80 - 120	P	10/14/2024	14:18	LB132927
	Thallium	40.6	40.0	102	80 - 120	P	10/14/2024	14:18	LB132927
	Vanadium	40.3	40.0	101	80 - 120	P	10/14/2024	14:18	LB132927
	Zinc	41.3	40.0	103	80 - 120	P	10/14/2024	14:18	LB132927

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Roman E&G Corp **SDG No.:** P4258

Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Aluminum	10400	10000	104	90 - 110	P	10/14/2024	14:43	LB132927
	Antimony	5230	5000	104	90 - 110	P	10/14/2024	14:43	LB132927
	Arsenic	5140	5000	103	90 - 110	P	10/14/2024	14:43	LB132927
	Barium	9520	10000	95	90 - 110	P	10/14/2024	14:43	LB132927
	Beryllium	250	250	100	90 - 110	P	10/14/2024	14:43	LB132927
	Cadmium	2510	2500	100	90 - 110	P	10/14/2024	14:43	LB132927
	Calcium	25300	25000	101	90 - 110	P	10/14/2024	14:43	LB132927
	Chromium	1020	1000	102	90 - 110	P	10/14/2024	14:43	LB132927
	Cobalt	2530	2500	101	90 - 110	P	10/14/2024	14:43	LB132927
	Copper	1300	1250	104	90 - 110	P	10/14/2024	14:43	LB132927
	Iron	4800	5000	96	90 - 110	P	10/14/2024	14:43	LB132927
	Lead	5090	5000	102	90 - 110	P	10/14/2024	14:43	LB132927
	Magnesium	25600	25000	102	90 - 110	P	10/14/2024	14:43	LB132927
	Manganese	2400	2500	96	90 - 110	P	10/14/2024	14:43	LB132927
	Nickel	2540	2500	102	90 - 110	P	10/14/2024	14:43	LB132927
	Potassium	24600	25000	99	90 - 110	P	10/14/2024	14:43	LB132927
	Selenium	5320	5000	106	90 - 110	P	10/14/2024	14:43	LB132927
	Silver	1250	1250	100	90 - 110	P	10/14/2024	14:43	LB132927
	Sodium	23000	25000	92	90 - 110	P	10/14/2024	14:43	LB132927
	Thallium	4530	5000	90	90 - 110	P	10/14/2024	14:43	LB132927
	Vanadium	2570	2500	103	90 - 110	P	10/14/2024	14:43	LB132927
	Zinc	2580	2500	103	90 - 110	P	10/14/2024	14:43	LB132927
CCV02	Aluminum	10100	10000	101	90 - 110	P	10/14/2024	15:09	LB132927
	Antimony	5000	5000	100	90 - 110	P	10/14/2024	15:09	LB132927
	Arsenic	4850	5000	97	90 - 110	P	10/14/2024	15:09	LB132927
	Barium	9110	10000	91	90 - 110	P	10/14/2024	15:09	LB132927
	Beryllium	246	250	98	90 - 110	P	10/14/2024	15:09	LB132927
	Cadmium	2390	2500	96	90 - 110	P	10/14/2024	15:09	LB132927
	Calcium	24300	25000	97	90 - 110	P	10/14/2024	15:09	LB132927
	Chromium	990	1000	99	90 - 110	P	10/14/2024	15:09	LB132927
	Cobalt	2410	2500	96	90 - 110	P	10/14/2024	15:09	LB132927
	Copper	1240	1250	100	90 - 110	P	10/14/2024	15:09	LB132927
	Iron	4550	5000	91	90 - 110	P	10/14/2024	15:09	LB132927
	Lead	4830	5000	96	90 - 110	P	10/14/2024	15:09	LB132927

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Roman E&G Corp **SDG No.:** P4258

Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV02	Magnesium	24700	25000	99	90 - 110	P	10/14/2024	15:09	LB132927
	Manganese	2300	2500	92	90 - 110	P	10/14/2024	15:09	LB132927
	Nickel	2410	2500	96	90 - 110	P	10/14/2024	15:09	LB132927
	Potassium	23200	25000	93	90 - 110	P	10/14/2024	15:09	LB132927
	Selenium	5060	5000	101	90 - 110	P	10/14/2024	15:09	LB132927
	Silver	1200	1250	96	90 - 110	P	10/14/2024	15:09	LB132927
	Sodium	25500	25000	102	90 - 110	P	10/14/2024	15:09	LB132927
	Thallium	5390	5000	108	90 - 110	P	10/14/2024	15:09	LB132927
	Vanadium	2480	2500	99	90 - 110	P	10/14/2024	15:09	LB132927
	Zinc	2440	2500	98	90 - 110	P	10/14/2024	15:09	LB132927
CCV03	Aluminum	9640	10000	96	90 - 110	P	10/14/2024	16:03	LB132927
	Antimony	4920	5000	98	90 - 110	P	10/14/2024	16:03	LB132927
	Arsenic	4690	5000	94	90 - 110	P	10/14/2024	16:03	LB132927
	Barium	10600	10000	106	90 - 110	P	10/14/2024	16:03	LB132927
	Beryllium	227	250	91	90 - 110	P	10/14/2024	16:03	LB132927
	Cadmium	2250	2500	90	90 - 110	P	10/14/2024	16:03	LB132927
	Calcium	23000	25000	92	90 - 110	P	10/14/2024	16:03	LB132927
	Chromium	945	1000	94	90 - 110	P	10/14/2024	16:03	LB132927
	Cobalt	2300	2500	92	90 - 110	P	10/14/2024	16:03	LB132927
	Copper	1200	1250	96	90 - 110	P	10/14/2024	16:03	LB132927
	Iron	4510	5000	90	90 - 110	P	10/14/2024	16:03	LB132927
	Lead	4610	5000	92	90 - 110	P	10/14/2024	16:03	LB132927
	Magnesium	23300	25000	93	90 - 110	P	10/14/2024	16:03	LB132927
	Manganese	2710	2500	108	90 - 110	P	10/14/2024	16:03	LB132927
	Nickel	2300	2500	92	90 - 110	P	10/14/2024	16:03	LB132927
	Potassium	23600	25000	94	90 - 110	P	10/14/2024	16:03	LB132927
	Selenium	4920	5000	98	90 - 110	P	10/14/2024	16:03	LB132927
	Silver	1170	1250	93	90 - 110	P	10/14/2024	16:03	LB132927
	Sodium	25600	25000	102	90 - 110	P	10/14/2024	16:03	LB132927
	Thallium	5200	5000	104	90 - 110	P	10/14/2024	16:03	LB132927
	Vanadium	2370	2500	95	90 - 110	P	10/14/2024	16:03	LB132927
	Zinc	2390	2500	96	90 - 110	P	10/14/2024	16:03	LB132927
CCV04	Aluminum	9730	10000	97	90 - 110	P	10/14/2024	17:06	LB132927
	Antimony	4940	5000	99	90 - 110	P	10/14/2024	17:06	LB132927

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Roman E&G Corp **SDG No.:** P4258

Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV04	Arsenic	4710	5000	94	90 - 110	P	10/14/2024	17:06	LB132927
	Barium	10500	10000	105	90 - 110	P	10/14/2024	17:06	LB132927
	Beryllium	231	250	92	90 - 110	P	10/14/2024	17:06	LB132927
	Cadmium	2260	2500	90	90 - 110	P	10/14/2024	17:06	LB132927
	Calcium	23100	25000	92	90 - 110	P	10/14/2024	17:06	LB132927
	Chromium	953	1000	95	90 - 110	P	10/14/2024	17:06	LB132927
	Cobalt	2310	2500	93	90 - 110	P	10/14/2024	17:06	LB132927
	Copper	1210	1250	96	90 - 110	P	10/14/2024	17:06	LB132927
	Iron	4530	5000	90	90 - 110	P	10/14/2024	17:06	LB132927
	Lead	4630	5000	92	90 - 110	P	10/14/2024	17:06	LB132927
	Magnesium	23400	25000	94	90 - 110	P	10/14/2024	17:06	LB132927
	Manganese	2700	2500	108	90 - 110	P	10/14/2024	17:06	LB132927
	Nickel	2310	2500	92	90 - 110	P	10/14/2024	17:06	LB132927
	Potassium	23500	25000	94	90 - 110	P	10/14/2024	17:06	LB132927
	Selenium	4960	5000	99	90 - 110	P	10/14/2024	17:06	LB132927
	Silver	1180	1250	94	90 - 110	P	10/14/2024	17:06	LB132927
	Sodium	25300	25000	101	90 - 110	P	10/14/2024	17:06	LB132927
	Thallium	5240	5000	105	90 - 110	P	10/14/2024	17:06	LB132927
	Vanadium	2380	2500	95	90 - 110	P	10/14/2024	17:06	LB132927
	Zinc	2370	2500	95	90 - 110	P	10/14/2024	17:06	LB132927
CCV05	Aluminum	9870	10000	99	90 - 110	P	10/14/2024	18:00	LB132927
	Antimony	5040	5000	101	90 - 110	P	10/14/2024	18:00	LB132927
	Arsenic	4810	5000	96	90 - 110	P	10/14/2024	18:00	LB132927
	Barium	10500	10000	105	90 - 110	P	10/14/2024	18:00	LB132927
	Beryllium	233	250	93	90 - 110	P	10/14/2024	18:00	LB132927
	Cadmium	2310	2500	92	90 - 110	P	10/14/2024	18:00	LB132927
	Calcium	23500	25000	94	90 - 110	P	10/14/2024	18:00	LB132927
	Chromium	977	1000	98	90 - 110	P	10/14/2024	18:00	LB132927
	Cobalt	2360	2500	94	90 - 110	P	10/14/2024	18:00	LB132927
	Copper	1230	1250	98	90 - 110	P	10/14/2024	18:00	LB132927
	Iron	4500	5000	90	90 - 110	P	10/14/2024	18:00	LB132927
	Lead	4720	5000	94	90 - 110	P	10/14/2024	18:00	LB132927
	Magnesium	23900	25000	96	90 - 110	P	10/14/2024	18:00	LB132927
	Manganese	2720	2500	109	90 - 110	P	10/14/2024	18:00	LB132927

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Roman E&G Corp **SDG No.:** P4258

Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV05	Nickel	2360	2500	94	90 - 110	P	10/14/2024	18:00	LB132927
	Potassium	23400	25000	94	90 - 110	P	10/14/2024	18:00	LB132927
	Selenium	5080	5000	102	90 - 110	P	10/14/2024	18:00	LB132927
	Silver	1190	1250	95	90 - 110	P	10/14/2024	18:00	LB132927
	Sodium	24900	25000	100	90 - 110	P	10/14/2024	18:00	LB132927
	Thallium	5080	5000	102	90 - 110	P	10/14/2024	18:00	LB132927
	Vanadium	2420	2500	97	90 - 110	P	10/14/2024	18:00	LB132927
	Zinc	2280	2500	91	90 - 110	P	10/14/2024	18:00	LB132927
CCV06	Aluminum	10000	10000	100	90 - 110	P	10/14/2024	18:51	LB132927
	Antimony	4960	5000	99	90 - 110	P	10/14/2024	18:51	LB132927
	Arsenic	4770	5000	95	90 - 110	P	10/14/2024	18:51	LB132927
	Barium	9960	10000	100	90 - 110	P	10/14/2024	18:51	LB132927
	Beryllium	248	250	99	90 - 110	P	10/14/2024	18:51	LB132927
	Cadmium	2350	2500	94	90 - 110	P	10/14/2024	18:51	LB132927
	Calcium	24000	25000	96	90 - 110	P	10/14/2024	18:51	LB132927
	Chromium	1000	1000	100	90 - 110	P	10/14/2024	18:51	LB132927
	Cobalt	2400	2500	96	90 - 110	P	10/14/2024	18:51	LB132927
	Copper	1220	1250	97	90 - 110	P	10/14/2024	18:51	LB132927
	Iron	4510	5000	90	90 - 110	P	10/14/2024	18:51	LB132927
	Lead	4800	5000	96	90 - 110	P	10/14/2024	18:51	LB132927
	Magnesium	24800	25000	99	90 - 110	P	10/14/2024	18:51	LB132927
	Manganese	2750	2500	110	90 - 110	P	10/14/2024	18:51	LB132927
	Nickel	2390	2500	96	90 - 110	P	10/14/2024	18:51	LB132927
	Potassium	22800	25000	91	90 - 110	P	10/14/2024	18:51	LB132927
	Selenium	4980	5000	100	90 - 110	P	10/14/2024	18:51	LB132927
	Silver	1210	1250	97	90 - 110	P	10/14/2024	18:51	LB132927
	Sodium	24300	25000	97	90 - 110	P	10/14/2024	18:51	LB132927
	Thallium	5220	5000	104	90 - 110	P	10/14/2024	18:51	LB132927
	Vanadium	2450	2500	98	90 - 110	P	10/14/2024	18:51	LB132927
	Zinc	2430	2500	97	90 - 110	P	10/14/2024	18:51	LB132927
CCV07	Aluminum	9940	10000	99	90 - 110	P	10/14/2024	19:11	LB132927
	Antimony	5030	5000	100	90 - 110	P	10/14/2024	19:11	LB132927
	Arsenic	4870	5000	97	90 - 110	P	10/14/2024	19:11	LB132927
	Barium	10200	10000	102	90 - 110	P	10/14/2024	19:11	LB132927

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Roman E&G Corp **SDG No.:** P4258

Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV07	Beryllium	237	250	95	90 - 110	P	10/14/2024	19:11	LB132927
	Cadmium	2380	2500	95	90 - 110	P	10/14/2024	19:11	LB132927
	Calcium	24000	25000	96	90 - 110	P	10/14/2024	19:11	LB132927
	Chromium	997	1000	100	90 - 110	P	10/14/2024	19:11	LB132927
	Cobalt	2420	2500	97	90 - 110	P	10/14/2024	19:11	LB132927
	Copper	1240	1250	99	90 - 110	P	10/14/2024	19:11	LB132927
	Iron	4570	5000	91	90 - 110	P	10/14/2024	19:11	LB132927
	Lead	4860	5000	97	90 - 110	P	10/14/2024	19:11	LB132927
	Magnesium	24500	25000	98	90 - 110	P	10/14/2024	19:11	LB132927
	Manganese	2730	2500	109	90 - 110	P	10/14/2024	19:11	LB132927
	Nickel	2420	2500	97	90 - 110	P	10/14/2024	19:11	LB132927
	Potassium	23400	25000	94	90 - 110	P	10/14/2024	19:11	LB132927
	Selenium	5100	5000	102	90 - 110	P	10/14/2024	19:11	LB132927
	Silver	1200	1250	96	90 - 110	P	10/14/2024	19:11	LB132927
	Sodium	24900	25000	99	90 - 110	P	10/14/2024	19:11	LB132927
	Thallium	5320	5000	106	90 - 110	P	10/14/2024	19:11	LB132927
	Vanadium	2460	2500	98	90 - 110	P	10/14/2024	19:11	LB132927
	Zinc	2430	2500	97	90 - 110	P	10/14/2024	19:11	LB132927

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Roman E&G Corp **SDG No.:** P4258

Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Aluminum	2580	2500	103	90 - 110	P	10/15/2024	11:24	LB132951
	Antimony	996	1000	100	90 - 110	P	10/15/2024	11:24	LB132951
	Arsenic	959	1000	96	90 - 110	P	10/15/2024	11:24	LB132951
	Barium	517	520	99	90 - 110	P	10/15/2024	11:24	LB132951
	Beryllium	510	510	100	90 - 110	P	10/15/2024	11:24	LB132951
	Cadmium	485	510	95	90 - 110	P	10/15/2024	11:24	LB132951
	Calcium	10300	10000	102	90 - 110	P	10/15/2024	11:24	LB132951
	Chromium	534	520	103	90 - 110	P	10/15/2024	11:24	LB132951
	Cobalt	518	520	100	90 - 110	P	10/15/2024	11:24	LB132951
	Copper	530	510	104	90 - 110	P	10/15/2024	11:24	LB132951
	Iron	10100	10000	101	90 - 110	P	10/15/2024	11:24	LB132951
	Lead	967	1000	97	90 - 110	P	10/15/2024	11:24	LB132951
	Magnesium	5970	6000	100	90 - 110	P	10/15/2024	11:24	LB132951
	Manganese	524	520	101	90 - 110	P	10/15/2024	11:24	LB132951
	Nickel	520	530	98	90 - 110	P	10/15/2024	11:24	LB132951
	Potassium	9920	9900	100	90 - 110	P	10/15/2024	11:24	LB132951
	Selenium	969	1000	97	90 - 110	P	10/15/2024	11:24	LB132951
	Silver	259	250	104	90 - 110	P	10/15/2024	11:24	LB132951
	Sodium	9660	10000	97	90 - 110	P	10/15/2024	11:24	LB132951
	Thallium	972	1000	97	90 - 110	P	10/15/2024	11:24	LB132951
	Vanadium	502	500	100	90 - 110	P	10/15/2024	11:24	LB132951
	Zinc	1050	1000	105	90 - 110	P	10/15/2024	11:24	LB132951

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Roman E&G Corp **SDG No.:** P4258

Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Aluminum	110	100	110	80 - 120	P	10/15/2024	11:37	LB132951
	Antimony	49.6	50.0	99	80 - 120	P	10/15/2024	11:37	LB132951
	Arsenic	20.5	20.0	102	80 - 120	P	10/15/2024	11:37	LB132951
	Barium	98.7	100	99	80 - 120	P	10/15/2024	11:37	LB132951
	Beryllium	6.08	6.0	101	80 - 120	P	10/15/2024	11:37	LB132951
	Cadmium	5.92	6.0	99	80 - 120	P	10/15/2024	11:37	LB132951
	Calcium	2040	2000	102	80 - 120	P	10/15/2024	11:37	LB132951
	Chromium	9.81	10.0	98	80 - 120	P	10/15/2024	11:37	LB132951
	Cobalt	29.8	30.0	99	80 - 120	P	10/15/2024	11:37	LB132951
	Copper	22.5	20.0	112	80 - 120	P	10/15/2024	11:37	LB132951
	Iron	101	100	101	80 - 120	P	10/15/2024	11:37	LB132951
	Lead	12.0	12.0	100	80 - 120	P	10/15/2024	11:37	LB132951
	Magnesium	2170	2000	108	80 - 120	P	10/15/2024	11:37	LB132951
	Manganese	21.0	20.0	105	80 - 120	P	10/15/2024	11:37	LB132951
	Nickel	39.6	40.0	99	80 - 120	P	10/15/2024	11:37	LB132951
	Potassium	1900	2000	95	80 - 120	P	10/15/2024	11:37	LB132951
	Selenium	18.3	20.0	92	80 - 120	P	10/15/2024	11:37	LB132951
	Silver	11.6	10.0	116	80 - 120	P	10/15/2024	11:37	LB132951
	Sodium	1890	2000	95	80 - 120	P	10/15/2024	11:37	LB132951
	Thallium	37.6	40.0	94	80 - 120	P	10/15/2024	11:37	LB132951
	Vanadium	40.1	40.0	100	80 - 120	P	10/15/2024	11:37	LB132951
	Zinc	43.6	40.0	109	80 - 120	P	10/15/2024	11:37	LB132951

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Roman E&G Corp **SDG No.:** P4258

Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Aluminum	10300	10000	103	90 - 110	P	10/15/2024	12:26	LB132951
	Antimony	5080	5000	102	90 - 110	P	10/15/2024	12:26	LB132951
	Arsenic	5030	5000	101	90 - 110	P	10/15/2024	12:26	LB132951
	Barium	10300	10000	102	90 - 110	P	10/15/2024	12:26	LB132951
	Beryllium	254	250	102	90 - 110	P	10/15/2024	12:26	LB132951
	Cadmium	2470	2500	99	90 - 110	P	10/15/2024	12:26	LB132951
	Calcium	25500	25000	102	90 - 110	P	10/15/2024	12:26	LB132951
	Chromium	1010	1000	101	90 - 110	P	10/15/2024	12:26	LB132951
	Cobalt	2470	2500	99	90 - 110	P	10/15/2024	12:26	LB132951
	Copper	1270	1250	101	90 - 110	P	10/15/2024	12:26	LB132951
	Iron	5020	5000	100	90 - 110	P	10/15/2024	12:26	LB132951
	Lead	4930	5000	99	90 - 110	P	10/15/2024	12:26	LB132951
	Magnesium	25400	25000	101	90 - 110	P	10/15/2024	12:26	LB132951
	Manganese	2540	2500	101	90 - 110	P	10/15/2024	12:26	LB132951
	Nickel	2470	2500	99	90 - 110	P	10/15/2024	12:26	LB132951
	Potassium	25400	25000	102	90 - 110	P	10/15/2024	12:26	LB132951
	Selenium	5080	5000	102	90 - 110	P	10/15/2024	12:26	LB132951
	Silver	1270	1250	102	90 - 110	P	10/15/2024	12:26	LB132951
	Sodium	25000	25000	100	90 - 110	P	10/15/2024	12:26	LB132951
	Thallium	5060	5000	101	90 - 110	P	10/15/2024	12:26	LB132951
	Vanadium	2580	2500	103	90 - 110	P	10/15/2024	12:26	LB132951
	Zinc	2590	2500	104	90 - 110	P	10/15/2024	12:26	LB132951
CCV02	Aluminum	10000	10000	100	90 - 110	P	10/15/2024	13:23	LB132951
	Antimony	4990	5000	100	90 - 110	P	10/15/2024	13:23	LB132951
	Arsenic	4920	5000	98	90 - 110	P	10/15/2024	13:23	LB132951
	Barium	9960	10000	100	90 - 110	P	10/15/2024	13:23	LB132951
	Beryllium	236	250	94	90 - 110	P	10/15/2024	13:23	LB132951
	Cadmium	2380	2500	95	90 - 110	P	10/15/2024	13:23	LB132951
	Calcium	24600	25000	98	90 - 110	P	10/15/2024	13:23	LB132951
	Chromium	962	1000	96	90 - 110	P	10/15/2024	13:23	LB132951
	Cobalt	2390	2500	96	90 - 110	P	10/15/2024	13:23	LB132951
	Copper	1240	1250	99	90 - 110	P	10/15/2024	13:23	LB132951
	Iron	4850	5000	97	90 - 110	P	10/15/2024	13:23	LB132951
	Lead	4760	5000	95	90 - 110	P	10/15/2024	13:23	LB132951

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Roman E&G Corp **SDG No.:** P4258

Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV02	Magnesium	24200	25000	97	90 - 110	P	10/15/2024	13:23	LB132951
	Manganese	2430	2500	97	90 - 110	P	10/15/2024	13:23	LB132951
	Nickel	2390	2500	96	90 - 110	P	10/15/2024	13:23	LB132951
	Potassium	24600	25000	99	90 - 110	P	10/15/2024	13:23	LB132951
	Selenium	5000	5000	100	90 - 110	P	10/15/2024	13:23	LB132951
	Silver	1210	1250	97	90 - 110	P	10/15/2024	13:23	LB132951
	Sodium	24000	25000	96	90 - 110	P	10/15/2024	13:23	LB132951
	Thallium	4870	5000	97	90 - 110	P	10/15/2024	13:23	LB132951
	Vanadium	2510	2500	100	90 - 110	P	10/15/2024	13:23	LB132951
	Zinc	2460	2500	98	90 - 110	P	10/15/2024	13:23	LB132951
CCV03	Aluminum	9810	10000	98	90 - 110	P	10/15/2024	14:07	LB132951
	Antimony	4830	5000	97	90 - 110	P	10/15/2024	14:07	LB132951
	Arsenic	4770	5000	96	90 - 110	P	10/15/2024	14:07	LB132951
	Barium	9670	10000	97	90 - 110	P	10/15/2024	14:07	LB132951
	Beryllium	237	250	95	90 - 110	P	10/15/2024	14:07	LB132951
	Cadmium	2320	2500	93	90 - 110	P	10/15/2024	14:07	LB132951
	Calcium	23800	25000	95	90 - 110	P	10/15/2024	14:07	LB132951
	Chromium	929	1000	93	90 - 110	P	10/15/2024	14:07	LB132951
	Cobalt	2320	2500	93	90 - 110	P	10/15/2024	14:07	LB132951
	Copper	1200	1250	96	90 - 110	P	10/15/2024	14:07	LB132951
	Iron	4530	5000	91	90 - 110	P	10/15/2024	14:07	LB132951
	Lead	4630	5000	93	90 - 110	P	10/15/2024	14:07	LB132951
	Magnesium	23700	25000	95	90 - 110	P	10/15/2024	14:07	LB132951
	Manganese	2380	2500	95	90 - 110	P	10/15/2024	14:07	LB132951
	Nickel	2320	2500	93	90 - 110	P	10/15/2024	14:07	LB132951
	Potassium	23300	25000	93	90 - 110	P	10/15/2024	14:07	LB132951
	Selenium	4840	5000	97	90 - 110	P	10/15/2024	14:07	LB132951
	Silver	1170	1250	94	90 - 110	P	10/15/2024	14:07	LB132951
	Sodium	22800	25000	91	90 - 110	P	10/15/2024	14:07	LB132951
	Thallium	4780	5000	96	90 - 110	P	10/15/2024	14:07	LB132951
	Vanadium	2430	2500	97	90 - 110	P	10/15/2024	14:07	LB132951
	Zinc	2400	2500	96	90 - 110	P	10/15/2024	14:07	LB132951
CCV04	Aluminum	10300	10000	103	90 - 110	P	10/15/2024	14:35	LB132951
	Antimony	4810	5000	96	90 - 110	P	10/15/2024	14:35	LB132951

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Roman E&G Corp **SDG No.:** P4258

Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV04	Arsenic	4720	5000	94	90 - 110	P	10/15/2024	14:35	LB132951
	Barium	10200	10000	102	90 - 110	P	10/15/2024	14:35	LB132951
	Beryllium	255	250	102	90 - 110	P	10/15/2024	14:35	LB132951
	Cadmium	2320	2500	93	90 - 110	P	10/15/2024	14:35	LB132951
	Calcium	25100	25000	100	90 - 110	P	10/15/2024	14:35	LB132951
	Chromium	961	1000	96	90 - 110	P	10/15/2024	14:35	LB132951
	Cobalt	2330	2500	93	90 - 110	P	10/15/2024	14:35	LB132951
	Copper	1200	1250	96	90 - 110	P	10/15/2024	14:35	LB132951
	Iron	4690	5000	94	90 - 110	P	10/15/2024	14:35	LB132951
	Lead	4650	5000	93	90 - 110	P	10/15/2024	14:35	LB132951
	Magnesium	25000	25000	100	90 - 110	P	10/15/2024	14:35	LB132951
	Manganese	2520	2500	101	90 - 110	P	10/15/2024	14:35	LB132951
	Nickel	2330	2500	93	90 - 110	P	10/15/2024	14:35	LB132951
	Potassium	24000	25000	96	90 - 110	P	10/15/2024	14:35	LB132951
	Selenium	4740	5000	95	90 - 110	P	10/15/2024	14:35	LB132951
	Silver	1220	1250	97	90 - 110	P	10/15/2024	14:35	LB132951
	Sodium	23500	25000	94	90 - 110	P	10/15/2024	14:35	LB132951
	Thallium	4740	5000	95	90 - 110	P	10/15/2024	14:35	LB132951
	Vanadium	2550	2500	102	90 - 110	P	10/15/2024	14:35	LB132951
	Zinc	2470	2500	99	90 - 110	P	10/15/2024	14:35	LB132951
CCV05	Aluminum	9830	10000	98	90 - 110	P	10/15/2024	15:26	LB132951
	Antimony	4880	5000	98	90 - 110	P	10/15/2024	15:26	LB132951
	Arsenic	4810	5000	96	90 - 110	P	10/15/2024	15:26	LB132951
	Barium	9850	10000	98	90 - 110	P	10/15/2024	15:26	LB132951
	Beryllium	236	250	95	90 - 110	P	10/15/2024	15:26	LB132951
	Cadmium	2370	2500	95	90 - 110	P	10/15/2024	15:26	LB132951
	Calcium	24300	25000	97	90 - 110	P	10/15/2024	15:26	LB132951
	Chromium	949	1000	95	90 - 110	P	10/15/2024	15:26	LB132951
	Cobalt	2370	2500	95	90 - 110	P	10/15/2024	15:26	LB132951
	Copper	1220	1250	97	90 - 110	P	10/15/2024	15:26	LB132951
	Iron	4740	5000	95	90 - 110	P	10/15/2024	15:26	LB132951
	Lead	4740	5000	95	90 - 110	P	10/15/2024	15:26	LB132951
	Magnesium	24000	25000	96	90 - 110	P	10/15/2024	15:26	LB132951
	Manganese	2410	2500	96	90 - 110	P	10/15/2024	15:26	LB132951

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Roman E&G Corp **SDG No.:** P4258

Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV05	Nickel	2370	2500	95	90 - 110	P	10/15/2024	15:26	LB132951
	Potassium	24000	25000	96	90 - 110	P	10/15/2024	15:26	LB132951
	Selenium	4850	5000	97	90 - 110	P	10/15/2024	15:26	LB132951
	Silver	1200	1250	96	90 - 110	P	10/15/2024	15:26	LB132951
	Sodium	23200	25000	93	90 - 110	P	10/15/2024	15:26	LB132951
	Thallium	4790	5000	96	90 - 110	P	10/15/2024	15:26	LB132951
	Vanadium	2460	2500	98	90 - 110	P	10/15/2024	15:26	LB132951
	Zinc	2440	2500	98	90 - 110	P	10/15/2024	15:26	LB132951
CCV06	Aluminum	9870	10000	99	90 - 110	P	10/15/2024	16:17	LB132951
	Antimony	4840	5000	97	90 - 110	P	10/15/2024	16:17	LB132951
	Arsenic	4780	5000	96	90 - 110	P	10/15/2024	16:17	LB132951
	Barium	9880	10000	99	90 - 110	P	10/15/2024	16:17	LB132951
	Beryllium	250	250	100	90 - 110	P	10/15/2024	16:17	LB132951
	Cadmium	2350	2500	94	90 - 110	P	10/15/2024	16:17	LB132951
	Calcium	24300	25000	97	90 - 110	P	10/15/2024	16:17	LB132951
	Chromium	951	1000	95	90 - 110	P	10/15/2024	16:17	LB132951
	Cobalt	2360	2500	94	90 - 110	P	10/15/2024	16:17	LB132951
	Copper	1210	1250	97	90 - 110	P	10/15/2024	16:17	LB132951
	Iron	4620	5000	92	90 - 110	P	10/15/2024	16:17	LB132951
	Lead	4710	5000	94	90 - 110	P	10/15/2024	16:17	LB132951
	Magnesium	24300	25000	97	90 - 110	P	10/15/2024	16:17	LB132951
	Manganese	2440	2500	97	90 - 110	P	10/15/2024	16:17	LB132951
	Nickel	2360	2500	94	90 - 110	P	10/15/2024	16:17	LB132951
	Potassium	23100	25000	92	90 - 110	P	10/15/2024	16:17	LB132951
	Selenium	4820	5000	96	90 - 110	P	10/15/2024	16:17	LB132951
	Silver	1200	1250	96	90 - 110	P	10/15/2024	16:17	LB132951
	Sodium	22600	25000	90	90 - 110	P	10/15/2024	16:17	LB132951
	Thallium	4940	5000	99	90 - 110	P	10/15/2024	16:17	LB132951
	Vanadium	2460	2500	98	90 - 110	P	10/15/2024	16:17	LB132951
	Zinc	2290	2500	92	90 - 110	P	10/15/2024	16:17	LB132951
CCV07	Aluminum	9910	10000	99	90 - 110	P	10/15/2024	17:14	LB132951
	Antimony	5000	5000	100	90 - 110	P	10/15/2024	17:14	LB132951
	Arsenic	4940	5000	99	90 - 110	P	10/15/2024	17:14	LB132951
	Barium	9740	10000	97	90 - 110	P	10/15/2024	17:14	LB132951

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Roman E&G Corp **SDG No.:** P4258

Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV07	Beryllium	248	250	99	90 - 110	P	10/15/2024	17:14	LB132951
	Cadmium	2400	2500	96	90 - 110	P	10/15/2024	17:14	LB132951
	Calcium	24200	25000	97	90 - 110	P	10/15/2024	17:14	LB132951
	Chromium	948	1000	95	90 - 110	P	10/15/2024	17:14	LB132951
	Cobalt	2400	2500	96	90 - 110	P	10/15/2024	17:14	LB132951
	Copper	1240	1250	99	90 - 110	P	10/15/2024	17:14	LB132951
	Iron	4590	5000	92	90 - 110	P	10/15/2024	17:14	LB132951
	Lead	4800	5000	96	90 - 110	P	10/15/2024	17:14	LB132951
	Magnesium	24100	25000	97	90 - 110	P	10/15/2024	17:14	LB132951
	Manganese	2420	2500	97	90 - 110	P	10/15/2024	17:14	LB132951
	Nickel	2410	2500	96	90 - 110	P	10/15/2024	17:14	LB132951
	Potassium	22900	25000	92	90 - 110	P	10/15/2024	17:14	LB132951
	Selenium	5020	5000	100	90 - 110	P	10/15/2024	17:14	LB132951
	Silver	1200	1250	96	90 - 110	P	10/15/2024	17:14	LB132951
	Sodium	26100	25000	104	90 - 110	P	10/15/2024	17:14	LB132951
	Thallium	4970	5000	99	90 - 110	P	10/15/2024	17:14	LB132951
	Vanadium	2470	2500	99	90 - 110	P	10/15/2024	17:14	LB132951
	Zinc	2590	2500	104	90 - 110	P	10/15/2024	17:14	LB132951
CCV08	Aluminum	10000	10000	100	90 - 110	P	10/15/2024	17:49	LB132951
	Antimony	4980	5000	100	90 - 110	P	10/15/2024	17:49	LB132951
	Arsenic	4880	5000	98	90 - 110	P	10/15/2024	17:49	LB132951
	Barium	9900	10000	99	90 - 110	P	10/15/2024	17:49	LB132951
	Beryllium	242	250	97	90 - 110	P	10/15/2024	17:49	LB132951
	Cadmium	2370	2500	95	90 - 110	P	10/15/2024	17:49	LB132951
	Calcium	24400	25000	98	90 - 110	P	10/15/2024	17:49	LB132951
	Chromium	968	1000	97	90 - 110	P	10/15/2024	17:49	LB132951
	Cobalt	2380	2500	95	90 - 110	P	10/15/2024	17:49	LB132951
	Copper	1230	1250	99	90 - 110	P	10/15/2024	17:49	LB132951
	Iron	4820	5000	96	90 - 110	P	10/15/2024	17:49	LB132951
	Lead	4750	5000	95	90 - 110	P	10/15/2024	17:49	LB132951
	Magnesium	24300	25000	97	90 - 110	P	10/15/2024	17:49	LB132951
	Manganese	2430	2500	97	90 - 110	P	10/15/2024	17:49	LB132951
	Nickel	2380	2500	95	90 - 110	P	10/15/2024	17:49	LB132951
	Potassium	23900	25000	96	90 - 110	P	10/15/2024	17:49	LB132951

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Roman E&G Corp **SDG No.:** P4258

Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV08	Selenium	4960	5000	99	90 - 110	P	10/15/2024	17:49	LB132951
	Silver	1220	1250	98	90 - 110	P	10/15/2024	17:49	LB132951
	Sodium	23200	25000	93	90 - 110	P	10/15/2024	17:49	LB132951
	Thallium	4810	5000	96	90 - 110	P	10/15/2024	17:49	LB132951
	Vanadium	2510	2500	100	90 - 110	P	10/15/2024	17:49	LB132951
	Zinc	2700	2500	108	90 - 110	P	10/15/2024	17:49	LB132951

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Roman E&G Corp **SDG No.:** P4258

Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Aluminum	2330	2500	93	90 - 110	P	10/18/2024	13:08	LB133014
	Antimony	1020	1000	102	90 - 110	P	10/18/2024	13:08	LB133014
	Arsenic	1030	1000	103	90 - 110	P	10/18/2024	13:08	LB133014
	Barium	498	520	96	90 - 110	P	10/18/2024	13:08	LB133014
	Beryllium	504	510	99	90 - 110	P	10/18/2024	13:08	LB133014
	Cadmium	517	510	101	90 - 110	P	10/18/2024	13:08	LB133014
	Calcium	9990	10000	100	90 - 110	P	10/18/2024	13:08	LB133014
	Chromium	551	520	106	90 - 110	P	10/18/2024	13:08	LB133014
	Cobalt	533	520	103	90 - 110	P	10/18/2024	13:08	LB133014
	Copper	544	510	107	90 - 110	P	10/18/2024	13:08	LB133014
	Iron	10500	10000	104	90 - 110	P	10/18/2024	13:08	LB133014
	Lead	1030	1000	103	90 - 110	P	10/18/2024	13:08	LB133014
	Magnesium	5790	6000	96	90 - 110	P	10/18/2024	13:08	LB133014
	Manganese	512	520	98	90 - 110	P	10/18/2024	13:08	LB133014
	Nickel	536	530	101	90 - 110	P	10/18/2024	13:08	LB133014
	Potassium	10300	9900	104	90 - 110	P	10/18/2024	13:08	LB133014
	Selenium	1030	1000	103	90 - 110	P	10/18/2024	13:08	LB133014
	Silver	269	250	108	90 - 110	P	10/18/2024	13:08	LB133014
	Sodium	10100	10000	101	90 - 110	P	10/18/2024	13:08	LB133014
	Thallium	1080	1000	108	90 - 110	P	10/18/2024	13:08	LB133014
	Vanadium	486	500	97	90 - 110	P	10/18/2024	13:08	LB133014
	Zinc	1070	1000	107	90 - 110	P	10/18/2024	13:08	LB133014

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Roman E&G Corp **SDG No.:** P4258

Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Aluminum	95.8	100	96	80 - 120	P	10/18/2024	13:13	LB133014
	Antimony	47.7	50.0	95	80 - 120	P	10/18/2024	13:13	LB133014
	Arsenic	19.3	20.0	97	80 - 120	P	10/18/2024	13:13	LB133014
	Barium	92.1	100	92	80 - 120	P	10/18/2024	13:13	LB133014
	Beryllium	5.87	6.0	98	80 - 120	P	10/18/2024	13:13	LB133014
	Cadmium	5.61	6.0	94	80 - 120	P	10/18/2024	13:13	LB133014
	Calcium	1900	2000	95	80 - 120	P	10/18/2024	13:13	LB133014
	Chromium	9.84	10.0	98	80 - 120	P	10/18/2024	13:13	LB133014
	Cobalt	28.9	30.0	96	80 - 120	P	10/18/2024	13:13	LB133014
	Copper	21.7	20.0	108	80 - 120	P	10/18/2024	13:13	LB133014
	Iron	105	100	105	80 - 120	P	10/18/2024	13:13	LB133014
	Lead	14.2	12.0	118	80 - 120	P	10/18/2024	13:13	LB133014
	Magnesium	2010	2000	100	80 - 120	P	10/18/2024	13:13	LB133014
	Manganese	19.0	20.0	95	80 - 120	P	10/18/2024	13:13	LB133014
	Nickel	38.7	40.0	97	80 - 120	P	10/18/2024	13:13	LB133014
	Potassium	1920	2000	96	80 - 120	P	10/18/2024	13:13	LB133014
	Selenium	17.4	20.0	87	80 - 120	P	10/18/2024	13:13	LB133014
	Silver	11.8	10.0	118	80 - 120	P	10/18/2024	13:13	LB133014
	Sodium	1880	2000	94	80 - 120	P	10/18/2024	13:13	LB133014
	Thallium	39.2	40.0	98	80 - 120	P	10/18/2024	13:13	LB133014
	Vanadium	37.8	40.0	94	80 - 120	P	10/18/2024	13:13	LB133014
	Zinc	41.1	40.0	103	80 - 120	P	10/18/2024	13:13	LB133014

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Roman E&G Corp **SDG No.:** P4258

Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Aluminum	9900	10000	99	90 - 110	P	10/18/2024	14:00	LB133014
	Antimony	5110	5000	102	90 - 110	P	10/18/2024	14:00	LB133014
	Arsenic	5310	5000	106	90 - 110	P	10/18/2024	14:00	LB133014
	Barium	9920	10000	99	90 - 110	P	10/18/2024	14:00	LB133014
	Beryllium	251	250	100	90 - 110	P	10/18/2024	14:00	LB133014
	Cadmium	2620	2500	105	90 - 110	P	10/18/2024	14:00	LB133014
	Calcium	25000	25000	100	90 - 110	P	10/18/2024	14:00	LB133014
	Chromium	1030	1000	103	90 - 110	P	10/18/2024	14:00	LB133014
	Cobalt	2530	2500	101	90 - 110	P	10/18/2024	14:00	LB133014
	Copper	1280	1250	102	90 - 110	P	10/18/2024	14:00	LB133014
	Iron	5120	5000	102	90 - 110	P	10/18/2024	14:00	LB133014
	Lead	5220	5000	104	90 - 110	P	10/18/2024	14:00	LB133014
	Magnesium	25000	25000	100	90 - 110	P	10/18/2024	14:00	LB133014
	Manganese	2480	2500	99	90 - 110	P	10/18/2024	14:00	LB133014
	Nickel	2530	2500	101	90 - 110	P	10/18/2024	14:00	LB133014
	Potassium	25400	25000	102	90 - 110	P	10/18/2024	14:00	LB133014
	Selenium	5250	5000	105	90 - 110	P	10/18/2024	14:00	LB133014
	Silver	1280	1250	103	90 - 110	P	10/18/2024	14:00	LB133014
	Sodium	25200	25000	101	90 - 110	P	10/18/2024	14:00	LB133014
	Thallium	5120	5000	102	90 - 110	P	10/18/2024	14:00	LB133014
	Vanadium	2490	2500	100	90 - 110	P	10/18/2024	14:00	LB133014
	Zinc	2560	2500	102	90 - 110	P	10/18/2024	14:00	LB133014
CCV02	Aluminum	9570	10000	96	90 - 110	P	10/18/2024	14:53	LB133014
	Antimony	4850	5000	97	90 - 110	P	10/18/2024	14:53	LB133014
	Arsenic	5040	5000	101	90 - 110	P	10/18/2024	14:53	LB133014
	Barium	9490	10000	95	90 - 110	P	10/18/2024	14:53	LB133014
	Beryllium	246	250	98	90 - 110	P	10/18/2024	14:53	LB133014
	Cadmium	2500	2500	100	90 - 110	P	10/18/2024	14:53	LB133014
	Calcium	24000	25000	96	90 - 110	P	10/18/2024	14:53	LB133014
	Chromium	1000	1000	100	90 - 110	P	10/18/2024	14:53	LB133014
	Cobalt	2410	2500	96	90 - 110	P	10/18/2024	14:53	LB133014
	Copper	1210	1250	96	90 - 110	P	10/18/2024	14:53	LB133014
	Iron	5030	5000	100	90 - 110	P	10/18/2024	14:53	LB133014
	Lead	5010	5000	100	90 - 110	P	10/18/2024	14:53	LB133014

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Roman E&G Corp **SDG No.:** P4258

Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV02	Magnesium	24000	25000	96	90 - 110	P	10/18/2024	14:53	LB133014
	Manganese	2390	2500	96	90 - 110	P	10/18/2024	14:53	LB133014
	Nickel	2410	2500	96	90 - 110	P	10/18/2024	14:53	LB133014
	Potassium	24900	25000	100	90 - 110	P	10/18/2024	14:53	LB133014
	Selenium	4990	5000	100	90 - 110	P	10/18/2024	14:53	LB133014
	Silver	1260	1250	101	90 - 110	P	10/18/2024	14:53	LB133014
	Sodium	24800	25000	99	90 - 110	P	10/18/2024	14:53	LB133014
	Thallium	5350	5000	107	90 - 110	P	10/18/2024	14:53	LB133014
	Vanadium	2390	2500	96	90 - 110	P	10/18/2024	14:53	LB133014
	Zinc	2500	2500	100	90 - 110	P	10/18/2024	14:53	LB133014
CCV03	Aluminum	9330	10000	93	90 - 110	P	10/18/2024	16:05	LB133014
	Antimony	4690	5000	94	90 - 110	P	10/18/2024	16:05	LB133014
	Arsenic	4920	5000	98	90 - 110	P	10/18/2024	16:05	LB133014
	Barium	9220	10000	92	90 - 110	P	10/18/2024	16:05	LB133014
	Beryllium	255	250	102	90 - 110	P	10/18/2024	16:05	LB133014
	Cadmium	2500	2500	100	90 - 110	P	10/18/2024	16:05	LB133014
	Calcium	23900	25000	96	90 - 110	P	10/18/2024	16:05	LB133014
	Chromium	984	1000	98	90 - 110	P	10/18/2024	16:05	LB133014
	Cobalt	2390	2500	96	90 - 110	P	10/18/2024	16:05	LB133014
	Copper	1180	1250	94	90 - 110	P	10/18/2024	16:05	LB133014
	Iron	4600	5000	92	90 - 110	P	10/18/2024	16:05	LB133014
	Lead	4990	5000	100	90 - 110	P	10/18/2024	16:05	LB133014
	Magnesium	23600	25000	94	90 - 110	P	10/18/2024	16:05	LB133014
	Manganese	2290	2500	92	90 - 110	P	10/18/2024	16:05	LB133014
	Nickel	2400	2500	96	90 - 110	P	10/18/2024	16:05	LB133014
	Potassium	22500	25000	90	90 - 110	P	10/18/2024	16:05	LB133014
	Selenium	4840	5000	97	90 - 110	P	10/18/2024	16:05	LB133014
	Silver	1200	1250	96	90 - 110	P	10/18/2024	16:05	LB133014
	Sodium	24500	25000	98	90 - 110	P	10/18/2024	16:05	LB133014
	Thallium	5190	5000	104	90 - 110	P	10/18/2024	16:05	LB133014
	Vanadium	2310	2500	92	90 - 110	P	10/18/2024	16:05	LB133014
	Zinc	2360	2500	95	90 - 110	P	10/18/2024	16:05	LB133014
CCV04	Aluminum	9210	10000	92	90 - 110	P	10/18/2024	17:28	LB133014
	Antimony	4730	5000	95	90 - 110	P	10/18/2024	17:28	LB133014

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Roman E&G Corp **SDG No.:** P4258

Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV04	Arsenic	4890	5000	98	90 - 110	P	10/18/2024	17:28	LB133014
	Barium	9280	10000	93	90 - 110	P	10/18/2024	17:28	LB133014
	Beryllium	242	250	97	90 - 110	P	10/18/2024	17:28	LB133014
	Cadmium	2420	2500	97	90 - 110	P	10/18/2024	17:28	LB133014
	Calcium	23100	25000	92	90 - 110	P	10/18/2024	17:28	LB133014
	Chromium	954	1000	95	90 - 110	P	10/18/2024	17:28	LB133014
	Cobalt	2330	2500	93	90 - 110	P	10/18/2024	17:28	LB133014
	Copper	1170	1250	94	90 - 110	P	10/18/2024	17:28	LB133014
	Iron	4420	5000	88	90 - 110	P	10/18/2024	17:28	LB133014
	Lead	4850	5000	97	90 - 110	P	10/18/2024	17:28	LB133014
	Magnesium	22400	25000	90	90 - 110	P	10/18/2024	17:28	LB133014
	Manganese	2230	2500	89	90 - 110	P	10/18/2024	17:28	LB133014
	Nickel	2330	2500	93	90 - 110	P	10/18/2024	17:28	LB133014
	Potassium	23500	25000	94	90 - 110	P	10/18/2024	17:28	LB133014
	Selenium	4850	5000	97	90 - 110	P	10/18/2024	17:28	LB133014
	Silver	1200	1250	96	90 - 110	P	10/18/2024	17:28	LB133014
	Sodium	23300	25000	93	90 - 110	P	10/18/2024	17:28	LB133014
	Thallium	5110	5000	102	90 - 110	P	10/18/2024	17:28	LB133014
	Vanadium	2250	2500	90	90 - 110	P	10/18/2024	17:28	LB133014
	Zinc	2370	2500	95	90 - 110	P	10/18/2024	17:28	LB133014

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Metals

- 2b -
CRDL STANDARD FOR AA & ICP

Client: Roman E&G Corp **SDG No.:** P4258

Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258

Initial Calibration Source:

Continuing Calibration Source:

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRA	Mercury	0.19	0.2	93	40 - 160	CV	10/14/2024	11:45	LB132914
CRI01	Aluminum	105	100	105	40 - 160	P	10/14/2024	14:27	LB132927
	Antimony	51.4	50.0	103	40 - 160	P	10/14/2024	14:27	LB132927
	Arsenic	17.5	20.0	88	40 - 160	P	10/14/2024	14:27	LB132927
	Barium	94.6	100	95	40 - 160	P	10/14/2024	14:27	LB132927
	Beryllium	6.18	6.0	103	40 - 160	P	10/14/2024	14:27	LB132927
	Cadmium	6.16	6.0	103	40 - 160	P	10/14/2024	14:27	LB132927
	Calcium	2040	2000	102	40 - 160	P	10/14/2024	14:27	LB132927
	Chromium	10.1	10.0	101	40 - 160	P	10/14/2024	14:27	LB132927
	Cobalt	30.4	30.0	101	40 - 160	P	10/14/2024	14:27	LB132927
	Copper	22.7	20.0	114	40 - 160	P	10/14/2024	14:27	LB132927
	Iron	98.3	100	98	40 - 160	P	10/14/2024	14:27	LB132927
	Lead	14.4	12.0	120	40 - 160	P	10/14/2024	14:27	LB132927
	Magnesium	2180	2000	109	40 - 160	P	10/14/2024	14:27	LB132927
	Manganese	19.6	20.0	98	40 - 160	P	10/14/2024	14:27	LB132927
	Nickel	40.3	40.0	101	40 - 160	P	10/14/2024	14:27	LB132927
	Potassium	1950	2000	98	40 - 160	P	10/14/2024	14:27	LB132927
	Selenium	19.5	20.0	97	40 - 160	P	10/14/2024	14:27	LB132927
	Silver	12.9	10.0	129	40 - 160	P	10/14/2024	14:27	LB132927
	Sodium	1640	2000	82	40 - 160	P	10/14/2024	14:27	LB132927
	Thallium	40.4	40.0	101	40 - 160	P	10/14/2024	14:27	LB132927
	Vanadium	40.3	40.0	101	40 - 160	P	10/14/2024	14:27	LB132927
	Zinc	41.8	40.0	104	40 - 160	P	10/14/2024	14:27	LB132927
CRI01	Aluminum	105	100	105	40 - 160	P	10/15/2024	11:46	LB132951
	Antimony	50.1	50.0	100	40 - 160	P	10/15/2024	11:46	LB132951
	Arsenic	20.1	20.0	100	40 - 160	P	10/15/2024	11:46	LB132951
	Barium	97.7	100	98	40 - 160	P	10/15/2024	11:46	LB132951
	Beryllium	6.07	6.0	101	40 - 160	P	10/15/2024	11:46	LB132951
	Cadmium	5.91	6.0	98	40 - 160	P	10/15/2024	11:46	LB132951
	Calcium	2020	2000	101	40 - 160	P	10/15/2024	11:46	LB132951
	Chromium	10.2	10.0	102	40 - 160	P	10/15/2024	11:46	LB132951
	Cobalt	29.9	30.0	100	40 - 160	P	10/15/2024	11:46	LB132951
	Copper	22.3	20.0	111	40 - 160	P	10/15/2024	11:46	LB132951
	Iron	105	100	106	40 - 160	P	10/15/2024	11:46	LB132951
	Lead	14.6	12.0	122	40 - 160	P	10/15/2024	11:46	LB132951

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Metals

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CRDL STANDARD FOR AA & ICP

Client: Roman E&G Corp **SDG No.:** P4258

Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258

Initial Calibration Source:

Continuing Calibration Source:

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRI01	Magnesium	2150	2000	108	40 - 160	P	10/15/2024	11:46	LB132951
	Manganese	20.8	20.0	104	40 - 160	P	10/15/2024	11:46	LB132951
	Nickel	39.8	40.0	99	40 - 160	P	10/15/2024	11:46	LB132951
	Potassium	1970	2000	98	40 - 160	P	10/15/2024	11:46	LB132951
	Selenium	15.6	20.0	78	40 - 160	P	10/15/2024	11:46	LB132951
	Silver	12.7	10.0	127	40 - 160	P	10/15/2024	11:46	LB132951
	Sodium	1930	2000	97	40 - 160	P	10/15/2024	11:46	LB132951
	Thallium	36.5	40.0	91	40 - 160	P	10/15/2024	11:46	LB132951
	Vanadium	40.5	40.0	101	40 - 160	P	10/15/2024	11:46	LB132951
	Zinc	43.5	40.0	109	40 - 160	P	10/15/2024	11:46	LB132951
CRI01	Aluminum	93.0	100	93	40 - 160	P	10/18/2024	13:27	LB133014
	Antimony	48.2	50.0	96	40 - 160	P	10/18/2024	13:27	LB133014
	Arsenic	20.0	20.0	100	40 - 160	P	10/18/2024	13:27	LB133014
	Barium	92.1	100	92	40 - 160	P	10/18/2024	13:27	LB133014
	Beryllium	5.98	6.0	100	40 - 160	P	10/18/2024	13:27	LB133014
	Cadmium	5.44	6.0	91	40 - 160	P	10/18/2024	13:27	LB133014
	Calcium	1910	2000	96	40 - 160	P	10/18/2024	13:27	LB133014
	Chromium	9.88	10.0	99	40 - 160	P	10/18/2024	13:27	LB133014
	Cobalt	28.8	30.0	96	40 - 160	P	10/18/2024	13:27	LB133014
	Copper	21.7	20.0	108	40 - 160	P	10/18/2024	13:27	LB133014
	Iron	105	100	105	40 - 160	P	10/18/2024	13:27	LB133014
	Lead	12.8	12.0	107	40 - 160	P	10/18/2024	13:27	LB133014
	Magnesium	2030	2000	102	40 - 160	P	10/18/2024	13:27	LB133014
	Manganese	19.3	20.0	96	40 - 160	P	10/18/2024	13:27	LB133014
	Nickel	38.5	40.0	96	40 - 160	P	10/18/2024	13:27	LB133014
	Potassium	1980	2000	99	40 - 160	P	10/18/2024	13:27	LB133014
	Selenium	17.9	20.0	89	40 - 160	P	10/18/2024	13:27	LB133014
	Silver	12.4	10.0	124	40 - 160	P	10/18/2024	13:27	LB133014
	Sodium	1940	2000	97	40 - 160	P	10/18/2024	13:27	LB133014
	Thallium	38.6	40.0	97	40 - 160	P	10/18/2024	13:27	LB133014
	Vanadium	37.5	40.0	94	40 - 160	P	10/18/2024	13:27	LB133014
	Zinc	42.5	40.0	106	40 - 160	P	10/18/2024	13:27	LB133014

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Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: Roman E&G Corp **SDG No.:** P4258

Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258

ICS Source: EPA **Instrument ID:** P4

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSA01	Aluminum	261000	255000	102	216000	294000	10/14/2024	14:32	LB132927
	Antimony	-1.78			-50	50	10/14/2024	14:32	LB132927
	Arsenic	1.32			-20	20	10/14/2024	14:32	LB132927
	Barium	2.96	6.0	49	-94	106	10/14/2024	14:32	LB132927
	Beryllium	2.85			-6	6	10/14/2024	14:32	LB132927
	Cadmium	6.10	1.0	610	-5	7	10/14/2024	14:32	LB132927
	Calcium	239000	245000	98	208000	282000	10/14/2024	14:32	LB132927
	Chromium	60.0	52.0	115	42	62	10/14/2024	14:32	LB132927
	Cobalt	2.02			-30	30	10/14/2024	14:32	LB132927
	Copper	20.9	2.0	1045	-18	22	10/14/2024	14:32	LB132927
	Iron	98800	101000	98	85600	116500	10/14/2024	14:32	LB132927
	Lead	9.31			-12	12	10/14/2024	14:32	LB132927
	Magnesium	262000	255000	103	216000	294000	10/14/2024	14:32	LB132927
	Manganese	-4.64	7.0	66	-13	27	10/14/2024	14:32	LB132927
	Nickel	3.34	2.0	167	-38	42	10/14/2024	14:32	LB132927
	Potassium	97.7			0	0	10/14/2024	14:32	LB132927
	Selenium	-19.4			-20	20	10/14/2024	14:32	LB132927
	Silver	-4.61			-10	10	10/14/2024	14:32	LB132927
	Sodium	-75.8			0	0	10/14/2024	14:32	LB132927
	Thallium	-2.29			-40	40	10/14/2024	14:32	LB132927
	Vanadium	9.92			-40	40	10/14/2024	14:32	LB132927
	Zinc	4.46			-40	40	10/14/2024	14:32	LB132927
ICSAB01	Aluminum	255000	247000	103	209000	285000	10/14/2024	14:39	LB132927
	Antimony	631	618	102	525	711	10/14/2024	14:39	LB132927
	Arsenic	97.9	104	94	88.4	120	10/14/2024	14:39	LB132927
	Barium	467	537	87	437	637	10/14/2024	14:39	LB132927
	Beryllium	482	495	97	420	570	10/14/2024	14:39	LB132927
	Cadmium	947	972	97	826	1120	10/14/2024	14:39	LB132927
	Calcium	233000	235000	99	199000	271000	10/14/2024	14:39	LB132927
	Chromium	577	542	106	460	624	10/14/2024	14:39	LB132927
	Cobalt	506	476	106	404	548	10/14/2024	14:39	LB132927
	Copper	512	511	100	434	588	10/14/2024	14:39	LB132927
	Iron	97800	99300	98	84400	114500	10/14/2024	14:39	LB132927
	Lead	57.1	49.0	116	37	61	10/14/2024	14:39	LB132927
	Magnesium	255000	248000	103	210000	286000	10/14/2024	14:39	LB132927
	Manganese	449	507	89	430	584	10/14/2024	14:39	LB132927
	Nickel	996	954	104	810	1100	10/14/2024	14:39	LB132927
	Potassium	-0.98			0	0	10/14/2024	14:39	LB132927
	Selenium	29.7	46.0	65	26	66	10/14/2024	14:39	LB132927
	Silver	217	201	108	170	232	10/14/2024	14:39	LB132927
	Sodium	-113			0	0	10/14/2024	14:39	LB132927
	Thallium	75.6	108	70	68	148	10/14/2024	14:39	LB132927

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Metals
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INTERFERENCE CHECK SAMPLE

Client: Roman E&G Corp **SDG No.:** P4258

Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258

ICS Source: EPA **Instrument ID:** P4

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSAB01	Vanadium	492	491	100	417	565	10/14/2024	14:39	LB132927
	Zinc	1080	952	113	809	1095	10/14/2024	14:39	LB132927
ICSA01	Aluminum	259000	255000	102	216000	294000	10/15/2024	11:50	LB132951
	Antimony	-1.26			-50	50	10/15/2024	11:50	LB132951
	Arsenic	-0.034			-20	20	10/15/2024	11:50	LB132951
	Barium	0.90	6.0	15	-94	106	10/15/2024	11:50	LB132951
	Beryllium	2.49			-6	6	10/15/2024	11:50	LB132951
	Cadmium	5.13	1.0	513	-5	7	10/15/2024	11:50	LB132951
	Calcium	238000	245000	97	208000	282000	10/15/2024	11:50	LB132951
	Chromium	56.7	52.0	109	42	62	10/15/2024	11:50	LB132951
	Cobalt	1.87			-30	30	10/15/2024	11:50	LB132951
	Copper	11.6	2.0	580	-18	22	10/15/2024	11:50	LB132951
	Iron	101000	101000	100	85600	116500	10/15/2024	11:50	LB132951
	Lead	11.6			-12	12	10/15/2024	11:50	LB132951
	Magnesium	260000	255000	102	216000	294000	10/15/2024	11:50	LB132951
	Manganese	-2.55	7.0	36	-13	27	10/15/2024	11:50	LB132951
	Nickel	2.53	2.0	126	-38	42	10/15/2024	11:50	LB132951
	Potassium	-7.55			0	0	10/15/2024	11:50	LB132951
	Selenium	-13.4			-20	20	10/15/2024	11:50	LB132951
	Silver	-6.93			-10	10	10/15/2024	11:50	LB132951
	Sodium	29.1			0	0	10/15/2024	11:50	LB132951
	Thallium	15.8			-40	40	10/15/2024	11:50	LB132951
	Vanadium	8.62			-40	40	10/15/2024	11:50	LB132951
	Zinc	4.25			-40	40	10/15/2024	11:50	LB132951
ICSAB01	Aluminum	262000	247000	106	209000	285000	10/15/2024	12:03	LB132951
	Antimony	629	618	102	525	711	10/15/2024	12:03	LB132951
	Arsenic	108	104	104	88.4	120	10/15/2024	12:03	LB132951
	Barium	534	537	99	437	637	10/15/2024	12:03	LB132951
	Beryllium	512	495	103	420	570	10/15/2024	12:03	LB132951
	Cadmium	970	972	100	826	1120	10/15/2024	12:03	LB132951
	Calcium	244000	235000	104	199000	271000	10/15/2024	12:03	LB132951
	Chromium	586	542	108	460	624	10/15/2024	12:03	LB132951
	Cobalt	518	476	109	404	548	10/15/2024	12:03	LB132951
	Copper	509	511	100	434	588	10/15/2024	12:03	LB132951
	Iron	105000	99300	106	84400	114500	10/15/2024	12:03	LB132951
	Lead	58.4	49.0	119	37	61	10/15/2024	12:03	LB132951
	Magnesium	262000	248000	106	210000	286000	10/15/2024	12:03	LB132951
	Manganese	505	507	100	430	584	10/15/2024	12:03	LB132951
	Nickel	1020	954	107	810	1100	10/15/2024	12:03	LB132951
	Potassium	-70.4			0	0	10/15/2024	12:03	LB132951
	Selenium	33.2	46.0	72	26	66	10/15/2024	12:03	LB132951
	Silver	224	201	111	170	232	10/15/2024	12:03	LB132951

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Metals
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INTERFERENCE CHECK SAMPLE

Client: Roman E&G Corp **SDG No.:** P4258

Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258

ICS Source: EPA **Instrument ID:** P4

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSAB01	Sodium	38.9			0	0	10/15/2024	12:03	LB132951
	Thallium	93.9	108	87	68	148	10/15/2024	12:03	LB132951
	Vanadium	515	491	105	417	565	10/15/2024	12:03	LB132951
	Zinc	905	952	95	809	1095	10/15/2024	12:03	LB132951
ICSA01	Aluminum	237000	255000	93	216000	294000	10/18/2024	13:32	LB133014
	Antimony	-1.32			-50	50	10/18/2024	13:32	LB133014
	Arsenic	-4.50			-20	20	10/18/2024	13:32	LB133014
	Barium	2.49	6.0	42	-94	106	10/18/2024	13:32	LB133014
	Beryllium	1.11			-6	6	10/18/2024	13:32	LB133014
	Cadmium	6.89	1.0	689	-5	7	10/18/2024	13:32	LB133014
	Calcium	226000	245000	92	208000	282000	10/18/2024	13:32	LB133014
	Chromium	55.6	52.0	107	42	62	10/18/2024	13:32	LB133014
	Cobalt	1.25			-30	30	10/18/2024	13:32	LB133014
	Copper	-8.46	2.0	423	-18	22	10/18/2024	13:32	LB133014
	Iron	98700	101000	98	85600	116500	10/18/2024	13:32	LB133014
	Lead	6.37			-12	12	10/18/2024	13:32	LB133014
	Magnesium	246000	255000	96	216000	294000	10/18/2024	13:32	LB133014
	Manganese	5.78	7.0	83	-13	27	10/18/2024	13:32	LB133014
	Nickel	2.27	2.0	114	-38	42	10/18/2024	13:32	LB133014
	Potassium	-34.9			0	0	10/18/2024	13:32	LB133014
	Selenium	-14.0			-20	20	10/18/2024	13:32	LB133014
	Silver	3.92			-10	10	10/18/2024	13:32	LB133014
	Sodium	20.9			0	0	10/18/2024	13:32	LB133014
	Thallium	5.51			-40	40	10/18/2024	13:32	LB133014
	Vanadium	5.78			-40	40	10/18/2024	13:32	LB133014
	Zinc	3.80			-40	40	10/18/2024	13:32	LB133014
ICSAB01	Aluminum	240000	247000	97	209000	285000	10/18/2024	13:56	LB133014
	Antimony	622	618	101	525	711	10/18/2024	13:56	LB133014
	Arsenic	107	104	103	88.4	120	10/18/2024	13:56	LB133014
	Barium	482	537	90	437	637	10/18/2024	13:56	LB133014
	Beryllium	490	495	99	420	570	10/18/2024	13:56	LB133014
	Cadmium	1010	972	104	826	1120	10/18/2024	13:56	LB133014
	Calcium	229000	235000	97	199000	271000	10/18/2024	13:56	LB133014
	Chromium	573	542	106	460	624	10/18/2024	13:56	LB133014
	Cobalt	516	476	108	404	548	10/18/2024	13:56	LB133014
	Copper	484	511	95	434	588	10/18/2024	13:56	LB133014
	Iron	101000	99300	102	84400	114500	10/18/2024	13:56	LB133014
	Lead	55.1	49.0	112	37	61	10/18/2024	13:56	LB133014
	Magnesium	250000	248000	101	210000	286000	10/18/2024	13:56	LB133014
	Manganese	481	507	95	430	584	10/18/2024	13:56	LB133014
	Nickel	1020	954	107	810	1100	10/18/2024	13:56	LB133014
	Potassium	-21.9			0	0	10/18/2024	13:56	LB133014

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INTERFERENCE CHECK SAMPLE

Client: Roman E&G Corp **SDG No.:** P4258

Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258

ICS Source: EPA **Instrument ID:** P4

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSAB01	Selenium	37.2	46.0	81	26	66	10/18/2024	13:56	LB133014
	Silver	229	201	114	170	232	10/18/2024	13:56	LB133014
	Sodium	29.5			0	0	10/18/2024	13:56	LB133014
	Thallium	97.0	108	90	68	148	10/18/2024	13:56	LB133014
	Vanadium	472	491	96	417	565	10/18/2024	13:56	LB133014
	Zinc	1080	952	113	809	1095	10/18/2024	13:56	LB133014

METAL QC DATA

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metals
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MATRIX SPIKE SUMMARY

client: Roman E&G Corp **level:** low **sdg no.:** P4258

contract: ROMA02 **lab code:** CHEM **case no.:** P4258 **sas no.:** P4258

matrix: Solid **sample id:** P4364-16 **client id:** SB-08-0.167-0.667MS

Percent Solids for Sample: 93.3 **Spiked ID:** P4364-16MS **Percent Solids for Spike Sample:** 93.3

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.50		0.24		0.25	105		CV

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metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: Roman E&G Corp **level:** low **sdg no.:** P4258

contract: ROMA02 **lab code:** CHEM **case no.:** P4258 **sas no.:** P4258

matrix: Solid **sample id:** P4364-16 **client id:** SB-08-0.167-0.667MSD

Percent Solids for Sample: 93.3 **Spiked ID:** P4364-16MSD **Percent Solids for Spike Sample:** 93.3

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.50		0.24		0.27	99		CV

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metals
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MATRIX SPIKE SUMMARY

client: Roman E&G Corp **level:** low **sdg no.:** P4258

contract: ROMA02 **lab code:** CHEM **case no.:** P4258 **sas no.:** P4258

matrix: Solid **sample id:** P4385-20 **client id:** SP-10MS

Percent Solids for Sample: 94.4 **Spiked ID:** P4385-20MS **Percent Solids for Spike Sample:** 94.4

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	11600		10800		100	811		P
Antimony	mg/Kg	75 - 125	29.2		2.36	U	40.2	73	N	P
Arsenic	mg/Kg	75 - 125	34.5		4.41		40.2	75		P
Barium	mg/Kg	75 - 125	62.5		51.1		10.0	114		P
Beryllium	mg/Kg	75 - 125	8.48		0.59		10.0	79		P
Cadmium	mg/Kg	75 - 125	11.7		1.90		10.0	98		P
Calcium	mg/Kg	75 - 125	1350		1220		50.2	248		P
Chromium	mg/Kg	75 - 125	35.6		19.0		20.1	83		P
Cobalt	mg/Kg	75 - 125	19.0		8.50		10.0	105		P
Copper	mg/Kg	75 - 125	24.1		13.7		15.1	69	N	P
Iron	mg/Kg	75 - 125	11600		11300		150	208		P
Lead	mg/Kg	75 - 125	49.0		11.2		50.2	75		P
Magnesium	mg/Kg	75 - 125	1150		1000		100	146		P
Manganese	mg/Kg	75 - 125	168		149		10.0	193		P
Nickel	mg/Kg	75 - 125	26.5		6.97		25.1	78		P
Potassium	mg/Kg	75 - 125	667		401		500	53	N	P
Selenium	mg/Kg	75 - 125	68.1		0.95	U	100	68	N	P
Silver	mg/Kg	75 - 125	3.05		0.47	U	3.8	80		P
Sodium	mg/Kg	75 - 125	160		48.5	J	150	75		P
Thallium	mg/Kg	75 - 125	92.7		1.89	U	100	93		P
Vanadium	mg/Kg	75 - 125	35.9		23.4		15.1	83		P
Zinc	mg/Kg	75 - 125	27.2		18.6		10.0	86		P

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metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: Roman E&G Corp **level:** low **sdg no.:** P4258

contract: ROMA02 **lab code:** CHEM **case no.:** P4258 **sas no.:** P4258

matrix: Solid **sample id:** P4385-20 **client id:** SP-10MSD

Percent Solids for Sample: 94.4 **Spiked ID:** P4385-20MSD **Percent Solids for Spike Sample:** 94.4

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	10600		10800		91.7	-151		P
Antimony	mg/Kg	75 - 125	27.7		2.36	U	36.7	76		P
Arsenic	mg/Kg	75 - 125	32.2		4.41		36.7	76		P
Barium	mg/Kg	75 - 125	57.5		51.1		9.2	70		P
Beryllium	mg/Kg	75 - 125	7.81		0.59		9.2	78		P
Cadmium	mg/Kg	75 - 125	11.0		1.90		9.2	98		P
Calcium	mg/Kg	75 - 125	1240		1220		45.9	41		P
Chromium	mg/Kg	75 - 125	33.1		19.0		18.3	77		P
Cobalt	mg/Kg	75 - 125	17.7		8.50		9.2	100		P
Copper	mg/Kg	75 - 125	22.4		13.7		13.8	63	N	P
Iron	mg/Kg	75 - 125	10700		11300		140	-449		P
Lead	mg/Kg	75 - 125	45.6		11.2		45.9	75		P
Magnesium	mg/Kg	75 - 125	1060		1000		91.7	61		P
Manganese	mg/Kg	75 - 125	154		149		9.2	55		P
Nickel	mg/Kg	75 - 125	24.7		6.97		22.9	77		P
Potassium	mg/Kg	75 - 125	621		401		460	48	N	P
Selenium	mg/Kg	75 - 125	64.3		0.95	U	91.7	70	N	P
Silver	mg/Kg	75 - 125	2.80		0.47	U	3.4	82		P
Sodium	mg/Kg	75 - 125	148		48.5	J	140	71	N	P
Thallium	mg/Kg	75 - 125	86.2		1.89	U	91.7	94		P
Vanadium	mg/Kg	75 - 125	33.3		23.4		13.8	71	N	P
Zinc	mg/Kg	75 - 125	25.0		18.6		9.2	70	N	P

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Metals
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POST DIGEST SPIKE SUMMARY

Client: Roman E&G Corp **SDG No.:** P4258

Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258

Matrix: Solid **Level:** LOW **Client ID:** SP-10A

Sample ID: P4385-20 **Spiked ID:** P4385-20A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Antimony	mg/Kg	75 - 125	28.1		2.36	U	37.8	74		P
Copper	mg/Kg	75 - 125	22.6		13.7		14.2	62		P
Potassium	mg/Kg	75 - 125	637		401		470	50		P
Selenium	mg/Kg	75 - 125	65.5		0.95	U	94.6	69		P
Sodium	mg/Kg	75 - 125	151		48.5	J	140	73		P
Vanadium	mg/Kg	75 - 125	33.9		23.4		14.2	74		P
Zinc	mg/Kg	75 - 125	25.8		18.6		9.50	76		P

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DUPLICATE SAMPLE SUMMARY

Client: Roman E&G Corp **Level:** LOW **SDG No.:** P4258

Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258

Matrix: Solid **Sample ID:** P4364-16 **Client ID:** SB-08-0.167-0.667DUP

Percent Solids for Sample: 93.3 **Duplicate ID** P4364-16DUP **Percent Solids for Spike Sample:** 93.3

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.24		0.25		5		CV

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: Roman E&G Corp **Level:** LOW **SDG No.:** P4258

Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258

Matrix: Solid **Sample ID:** P4364-16MS **Client ID:** SB-08-0.167-0.667MSD

Percent Solids for Sample: 93.3 **Duplicate ID** P4364-16MSD **Percent Solids for Spike Sample:** 93.3

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.50		0.50		1		CV

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: Roman E&G Corp **Level:** LOW **SDG No.:** P4258

Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258

Matrix: Solid **Sample ID:** P4385-20 **Client ID:** SP-10DUP

Percent Solids for Sample: 94.4 **Duplicate ID** P4385-20DUP **Percent Solids for Spike Sample:** 94.4

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	10800		10500		3		P
Antimony	mg/Kg	20	2.36	U	2.29	U			P
Arsenic	mg/Kg	20	4.41		4.20		5		P
Barium	mg/Kg	20	51.1		48.4		5		P
Beryllium	mg/Kg	20	0.59		0.57		2		P
Cadmium	mg/Kg	20	1.90		1.85		3		P
Calcium	mg/Kg	20	1220		1170		4		P
Chromium	mg/Kg	20	19.0		18.1		5		P
Cobalt	mg/Kg	20	8.50		8.16		4		P
Copper	mg/Kg	20	13.7		13.6		1		P
Iron	mg/Kg	20	11300		10500		7		P
Lead	mg/Kg	20	11.2		10.8		4		P
Magnesium	mg/Kg	20	1000		970		3		P
Manganese	mg/Kg	20	149		142		5		P
Nickel	mg/Kg	20	6.97		6.78		3		P
Potassium	mg/Kg	20	401		373		7		P
Selenium	mg/Kg	20	0.95	U	0.92	U			P
Silver	mg/Kg	20	0.47	U	0.46	U			P
Sodium	mg/Kg	20	48.5	J	45.4	J	7		P
Thallium	mg/Kg	20	1.89	U	1.83	U			P
Vanadium	mg/Kg	20	23.4		22.4		4		P
Zinc	mg/Kg	20	18.6		17.6		6		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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DUPLICATE SAMPLE SUMMARY

Client: Roman E&G Corp **Level:** LOW **SDG No.:** P4258

Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258

Matrix: Solid **Sample ID:** P4385-20MS **Client ID:** SP-10MSD

Percent Solids for Sample: 94.4 **Duplicate ID** P4385-20MSD **Percent Solids for Spike Sample:** 94.4

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	11600		10600		9		P
Antimony	mg/Kg	20	29.2		27.7		5		P
Arsenic	mg/Kg	20	34.5		32.2		7		P
Barium	mg/Kg	20	62.5		57.5		8		P
Beryllium	mg/Kg	20	8.48		7.81		8		P
Cadmium	mg/Kg	20	11.7		11.0		7		P
Calcium	mg/Kg	20	1350		1240		8		P
Chromium	mg/Kg	20	35.6		33.1		7		P
Cobalt	mg/Kg	20	19.0		17.7		7		P
Copper	mg/Kg	20	24.1		22.4		7		P
Iron	mg/Kg	20	11600		10700		8		P
Lead	mg/Kg	20	49.0		45.6		7		P
Magnesium	mg/Kg	20	1150		1060		8		P
Manganese	mg/Kg	20	168		154		9		P
Nickel	mg/Kg	20	26.5		24.7		7		P
Potassium	mg/Kg	20	667		621		7		P
Selenium	mg/Kg	20	68.1		64.3		6		P
Silver	mg/Kg	20	3.05		2.80		9		P
Sodium	mg/Kg	20	160		148		8		P
Thallium	mg/Kg	20	92.7		86.2		7		P
Vanadium	mg/Kg	20	35.9		33.3		8		P
Zinc	mg/Kg	20	27.2		25.0		8		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Roman E&G Corp **SDG No.:** P4258

Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB164065BS							
Aluminum	mg/Kg	81.3	79.9		98	80 - 120	P
Antimony	mg/Kg	32.5	31.7		98	80 - 120	P
Arsenic	mg/Kg	32.5	29.3		90	80 - 120	P
Barium	mg/Kg	8.1	7.50		93	80 - 120	P
Beryllium	mg/Kg	8.1	7.89		97	80 - 120	P
Cadmium	mg/Kg	8.1	7.19		89	80 - 120	P
Calcium	mg/Kg	40.7	40.1	J	98	80 - 120	P
Chromium	mg/Kg	16.3	16.0		98	80 - 120	P
Cobalt	mg/Kg	8.1	7.71		95	80 - 120	P
Copper	mg/Kg	12.2	12.3		101	80 - 120	P
Iron	mg/Kg	120	114		95	80 - 120	P
Lead	mg/Kg	40.7	36.3		89	80 - 120	P
Magnesium	mg/Kg	81.3	77.4	J	95	80 - 120	P
Manganese	mg/Kg	8.1	7.86		97	80 - 120	P
Nickel	mg/Kg	20.3	19.3		95	80 - 120	P
Potassium	mg/Kg	410	377		92	80 - 120	P
Selenium	mg/Kg	81.3	74.3		91	80 - 120	P
Silver	mg/Kg	3.0	3.07		102	80 - 120	P
Sodium	mg/Kg	120	110		92	80 - 120	P
Thallium	mg/Kg	81.3	75.9		93	80 - 120	P
Vanadium	mg/Kg	12.2	11.8		97	80 - 120	P
Zinc	mg/Kg	8.1	8.36		103	80 - 120	P

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Metals

LABORATORY CONTROL SAMPLE SUMMARY

Client: Roman E&G Corp **SDG No.:** P4258

Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB164114BS							
Mercury	mg/Kg	0.27	0.26		97	80 - 120	CV

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ICP SERIAL DILUTIONS

SAMPLE NO.

SB-08-0.167-0.667L

Lab Name: Chemtech Consulting Group **Contract:** ROMA02

Lab Code: CHEM **Lb No.:** lb132914 **Lab Sample ID :** P4364-16L **SDG No.:** P4258

Matrix (soil/water): Solid **Level (low/med):** LOW

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Mercury	0.24		0.27		13		CV

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Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

SP-10L

Lab Name: Chemtech Consulting Group **Contract:** ROMA02

Lab Code: CHEM **Lb No.:** lb133014 **Lab Sample ID :** P4385-20L **SDG No.:** P4258

Matrix (soil/water): Solid **Level (low/med):** LOW

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	10800		12700		18		P
Antimony	2.36	U	11.8	U			P
Arsenic	4.41		4.37	J	1		P
Barium	51.1		60.4		18		P
Beryllium	0.59		0.75	J	28		P
Cadmium	1.90		1.40	J	26		P
Calcium	1220		1480		22		P
Chromium	19.0		22.3		17		P
Cobalt	8.50		8.34		2		P
Copper	13.7		18.2		32		P
Iron	11300		12900		14		P
Lead	11.2		11.7		4		P
Magnesium	1000		1210		21		P
Manganese	149		184		24		P
Nickel	6.97		6.89	J	1		P
Potassium	401		446	J	11		P
Selenium	0.95	U	4.73	U			P
Silver	0.47	U	2.36	U			P
Sodium	48.5	J	473	U	100.0		P
Thallium	1.89	U	9.46	U			P
Vanadium	23.4		27.8		19		P
Zinc	18.6		21.3		15		P

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ANALYSIS RUN LOG

Client: Roman E&G Corp **Contract:** ROMA02

Lab code: CHEM **Case no.:** P4258 **Sas no.:** P4258 **Sdg no.:** P4258

Instrument id number: **Method:** **Run number:** LB132914

Start date: 10/14/2024 **End date:** 10/14/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1119	HG
S0.2	S0.2	1	1121	HG
S2.5	S2.5	1	1123	HG
S5	S5	1	1126	HG
S7.5	S7.5	1	1128	HG
S10	S10	1	1130	HG
ICV36	ICV36	1	1133	HG
ICB36	ICB36	1	1138	HG
CCV13	CCV13	1	1140	HG
CCB13	CCB13	1	1143	HG
CRA	CRA	1	1145	HG
PB164114BL	PB164114BL	1	1154	HG
PB164114BS	PB164114BS	1	1157	HG
P4258-03	Chamberlain Ave	1	1159	HG
CCV14	CCV14	1	1210	HG
CCB14	CCB14	1	1213	HG
CCV15	CCV15	1	1239	HG
CCB15	CCB15	1	1241	HG
P4364-16DUP	SB-08-0.167-0.667DUP	1	1248	HG
P4364-16MS	SB-08-0.167-0.667MS	1	1253	HG
P4364-16MSD	SB-08-0.167-0.667MSD	1	1255	HG
CCV16	CCV16	1	1309	HG
CCB16	CCB16	1	1312	HG
CCV17	CCV17	1	1337	HG
CCB17	CCB17	1	1339	HG
CCV18	CCV18	1	1404	HG
CCB18	CCB18	1	1406	HG
CCV19	CCV19	1	1431	HG
CCB19	CCB19	1	1434	HG
P4364-16L	SB-08-0.167-0.667L	5	1445	HG
CCV20	CCV20	1	1459	HG
CCB20	CCB20	1	1501	HG
CCV21	CCV21	1	1515	HG
CCB21	CCB21	1	1517	HG

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ANALYSIS RUN LOG

Client: Roman E&G Corp **Contract:** ROMA02

Lab code: CHEM **Case no.:** P4258 **Sas no.:** P4258 **Sdg no.:** P4258

Instrument id number: **Method:** **Run number:** LB132927

Start date: 10/14/2024 **End date:** 10/14/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1340	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S1	S1	1	1345	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S2	S2	1	1349	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S3	S3	1	1353	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S4	S4	1	1357	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S5	S5	1	1402	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICV01	ICV01	1	1406	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
LLICV01	LLICV01	1	1418	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICB01	ICB01	1	1423	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CRI01	CRI01	1	1427	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSA01	ICSA01	1	1432	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSAB01	ICSAB01	1	1439	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV01	CCV01	1	1443	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB01	CCB01	1	1447	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4258-03	Chamberlain Ave	1	1505	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV02	CCV02	1	1509	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB02	CCB02	1	1513	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV03	CCV03	1	1603	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB03	CCB03	1	1607	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV04	CCV04	1	1706	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB04	CCB04	1	1711	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV05	CCV05	1	1800	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB05	CCB05	1	1804	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV06	CCV06	1	1851	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB06	CCB06	1	1855	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV07	CCV07	1	1911	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB07	CCB07	1	1915	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

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ANALYSIS RUN LOG

Client: Roman E&G Corp **Contract:** ROMA02

Lab code: CHEM **Case no.:** P4258 **Sas no.:** P4258 **Sdg no.:** P4258

Instrument id number: **Method:** **Run number:** LB132951

Start date: 10/15/2024 **End date:** 10/15/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1042	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S1	S1	1	1047	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S2	S2	1	1051	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S3	S3	1	1055	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S4	S4	1	1059	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S5	S5	1	1103	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICV01	ICV01	1	1124	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
LLICV01	LLICV01	1	1137	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICB01	ICB01	1	1141	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CRI01	CRI01	1	1146	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSA01	ICSA01	1	1150	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSAB01	ICSAB01	1	1203	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV01	CCV01	1	1226	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB01	CCB01	1	1230	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB164065BS	PB164065BS	1	1306	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV02	CCV02	1	1323	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB02	CCB02	1	1327	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV03	CCV03	1	1407	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB03	CCB03	1	1411	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB164065BL	PB164065BL	1	1426	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV04	CCV04	1	1435	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB04	CCB04	1	1439	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV05	CCV05	1	1526	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB05	CCB05	1	1530	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV06	CCV06	1	1617	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB06	CCB06	1	1621	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV07	CCV07	1	1714	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB07	CCB07	1	1718	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV08	CCV08	1	1749	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB08	CCB08	1	1753	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

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metals
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ANALYSIS RUN LOG

Client: Roman E&G Corp **Contract:** ROMA02

Lab code: CHEM **Case no.:** P4258 **Sas no.:** P4258 **Sdg no.:** P4258

Instrument id number: **Method:** **Run number:** LB133014

Start date: 10/18/2024 **End date:** 10/18/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1203	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S1	S1	1	1207	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S2	S2	1	1212	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S3	S3	1	1216	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S4	S4	1	1220	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S5	S5	1	1224	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICV01	ICV01	1	1308	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
LLICV01	LLICV01	1	1313	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICB01	ICB01	1	1323	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CRI01	CRI01	1	1327	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSA01	ICSA01	1	1332	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSAB01	ICSAB01	1	1356	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV01	CCV01	1	1400	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB01	CCB01	1	1405	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV02	CCV02	1	1453	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB02	CCB02	1	1457	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4385-20DUP	SP-10DUP	1	1516	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4385-20L	SP-10L	5	1520	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4385-20MS	SP-10MS	1	1524	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4385-20MSD	SP-10MSD	1	1528	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4385-20A	SP-10A	1	1532	Cu,K,Na,Sb,Se,V,Zn
CCV03	CCV03	1	1605	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB03	CCB03	1	1639	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV04	CCV04	1	1728	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB04	CCB04	1	1732	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

METAL PREPARATION & INSTRUMENT DATA

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: Roman E&G Corp **SDG No.:** P4258

Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Al	Ca	Fe	Mg	Ag
Aluminum	396.100	0.0000000	-0.0002060	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	-0.0000440	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000930	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	-0.0075970	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0007850	0.0000000	0.0000000
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	-0.0000920	0.0000000	0.0000380	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	-0.0001440	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	-0.0001490	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0001050	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: Roman E&G Corp **SDG No.:** P4258

Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: As	Ba	Be	Cd	Co
Aluminum	396.100	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0002870
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0000000	0.0009530
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	-0.0039600
Lead	220.353	0.0000000	0.0003170	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	-0.0003570
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0054900
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: Roman E&G Corp **SDG No.:** P4258

Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Cr	Cu	K	Mn	Mo
Aluminum	396.100	0.0000000	0.0000000	0.0000590	0.0000000	0.0396900
Antimony	206.833	0.0122000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	-0.0029000	0.0000000	0.0000000	0.0000000	0.0004900
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	-0.0000710	-0.0003400
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000070	0.0002200	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	-0.0007860
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0006510	0.0020500
Iron	240.488	0.0000000	0.0000000	0.0000730	0.0000000	-0.0015250
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0001400	-0.0008600
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0007460	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000120
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0017400	-0.0100400
Vanadium	292.402	-0.0025100	0.0000000	0.0000000	0.0000000	-0.0072000
Zinc	213.800	0.0000000	0.0009010	0.0000000	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: Roman E&G Corp **SDG No.:** P4258

Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Na	Ni	Pb	Sb	Se
Aluminum	396.100	0.0000000	0.0000000	0.0012800	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	-0.0047000	0.0036100	0.0000000	0.0000000
Iron	240.488	0.0000000	-0.0017000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0006580	0.0000000	0.0000000	0.0001290
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0003330	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0067600	0.0000000	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: Roman E&G Corp **SDG No.:** P4258

Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Sn	Ti	Tl	V	Zn
Aluminum	396.100	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	-0.0035600	-0.0007970	0.0000000	-0.0018900	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000630	0.0001280	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0001110	0.0000000
Cobalt	228.616	0.0000000	0.0018800	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0003840	0.0000000	0.0000000	0.0000000
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	-0.0003610	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	-0.0007420	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	-0.0039700	0.0000000	-0.0115600	0.0000000
Vanadium	292.402	0.0000000	0.0005320	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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LAB CHRONICLE

OrderID:	P4258	**OrderDate:**	10/1/2024 1:21:00 PM
Client:	Roman E&G Corp	**Project:**	Perth Amboy
Contact:	Mark Mattheiss	**Location:**	H11,H51,K11,K21

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4258-03	**Chamberlain Ave**	**SOIL**			**10/01/24**			**10/01/24**
			Mercury	7471B		10/11/24	10/14/24	
			Metals ICP-TAL	6010D		10/11/24	10/14/24	
P4258-04	**Chamberlain Ave**	**TCLP**			**10/01/24**			**10/01/24**
			TCLP Mercury	7470A		10/03/24	10/04/24	
			TCLP Metals + Cu+Ni+Zn	6010D		10/03/24	10/04/24	

METAL PREPARATION & ANALYICAL SUMMARY

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Metals
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SAMPLE PREPARATION SUMMARY

Client: Roman E&G Corp **SDG No.:** P4258

Contract: ROMA02 **Lab Code:** CHEM **Method:**

Case No.: P4258 **SAS No.:** P4258

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB164065**						
P4258-03	Chamberlain Ave	SAM	SOLID	10/11/2024	2.14	100.0	86.00
P4385-20DUP	SP-10DUP	DUP	SOLID	10/11/2024	2.31	100.0	94.40
P4385-20MS	SP-10MS	MS	SOLID	10/11/2024	2.11	100.0	94.40
P4385-20MSD	SP-10MSD	MSD	SOLID	10/11/2024	2.31	100.0	94.40
PB164065BL	PB164065BL	MB	SOLID	10/11/2024	2.46	100.0	100.00
PB164065BS	PB164065BS	LCS	SOLID	10/11/2024	2.46	100.0	100.00

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SAMPLE PREPARATION SUMMARY

Client: Roman E&G Corp **SDG No.:** P4258

Contract: ROMA02 **Lab Code:** CHEM **Method:**

Case No.: P4258 **SAS No.:** P4258

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB164114**						
P4258-03	Chamberlain Ave	SAM	SOLID	10/11/2024	0.54	35.0	86.00
P4364-16DUP	SB-08-0.167-0.667DUP	DUP	SOLID	10/11/2024	0.56	35.0	93.30
P4364-16MS	SB-08-0.167-0.667MS	MS	SOLID	10/11/2024	0.59	35.0	93.30
P4364-16MSD	SB-08-0.167-0.667MSD	MSD	SOLID	10/11/2024	0.56	35.0	93.30
PB164114BL	PB164114BL	MB	SOLID	10/11/2024	0.54	35.0	100.00
PB164114BS	PB164114BS	LCS	SOLID	10/11/2024	0.52	35.0	100.00

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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB132914

Review By	jaswal	Review On	10/14/2024 10:26:20 PM
Supervise By	mohan	Supervise On	10/14/2024 10:27:01 PM

STD. NAME	STD REF.#
ICAL Standard	MP82765,MP82766,MP82767,MP82768,MP82769,MP82770
ICV Standard	MP82771
CCV Standard	MP82773
ICSA Standard	
CRI Standard	MP82775
LCS Standard	
Chk Standard	MP82772,MP82774,MP82776,MP82781

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	10/14/24 11:19		Mohan	OK
2	S0.2	S0.2	CAL2	10/14/24 11:21		Mohan	OK
3	S2.5	S2.5	CAL3	10/14/24 11:23		Mohan	OK
4	S5	S5	CAL4	10/14/24 11:26		Mohan	OK
5	S7.5	S7.5	CAL5	10/14/24 11:28		Mohan	OK
6	S10	S10	CAL6	10/14/24 11:30		Mohan	OK
7	ICV36	ICV36	ICV	10/14/24 11:33		Mohan	OK
8	ICB36	ICB36	ICB	10/14/24 11:38		Mohan	OK
9	CCV13	CCV13	CCV	10/14/24 11:40		Mohan	OK
10	CCB13	CCB13	CCB	10/14/24 11:43		Mohan	OK
11	CRA	CRA	CRDL	10/14/24 11:45		Mohan	OK
12	HighStd	HighStd	HIGH STD	10/14/24 11:47		Mohan	OK
13	ChkStd	ChkStd	SAM	10/14/24 11:49		Mohan	OK
14	PB164114BL	PB164114BL	MB	10/14/24 11:54		Mohan	OK
15	PB164114BS	PB164114BS	LCS	10/14/24 11:57		Mohan	OK
16	P4258-03	Chamberlain Ave	SAM	10/14/24 11:59		Mohan	OK
17	P4364-01	SB-01-1.0-1.5	SAM	10/14/24 12:01		Mohan	OK
18	P4364-02	SB-01-2.5-3.0	SAM	10/14/24 12:03		Mohan	OK

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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB132914

Review By	jaswal	Review On	10/14/2024 10:26:20 PM
Supervise By	mohan	Supervise On	10/14/2024 10:27:01 PM

STD. NAME	STD REF.#
ICAL Standard	MP82765,MP82766,MP82767,MP82768,MP82769,MP82770
ICV Standard	MP82771
CCV Standard	MP82773
ICSA Standard	
CRI Standard	MP82775
LCS Standard	
Chk Standard	MP82772,MP82774,MP82776,MP82781

19	P4364-03	SB-01-4.25-4.83	SAM	10/14/24 12:06		Mohan	OK
20	P4364-04	SB-02-0.167-0.667	SAM	10/14/24 12:08	High	Mohan	Dilution
21	CCV14	CCV14	CCV	10/14/24 12:10		Mohan	OK
22	CCB14	CCB14	CCB	10/14/24 12:13		Mohan	OK
23	P4364-05	SB-02-2.0-2.5	SAM	10/14/24 12:15	High	Mohan	Dilution
24	P4364-06	SB-02-4.5-5.0	SAM	10/14/24 12:17	High	Mohan	Dilution
25	P4364-07	SB-03-0.167-0.667	SAM	10/14/24 12:20	High	Mohan	Dilution
26	P4364-08	SB-03-2.0-2.5	SAM	10/14/24 12:22		Mohan	OK
27	P4364-09	SB-03-4.167-4.667	SAM	10/14/24 12:25		Mohan	OK
28	P4364-10	SB-04-0.167-0.667	SAM	10/14/24 12:27	High	Mohan	Dilution
29	P4364-11	SB-04-2.0-2.5	SAM	10/14/24 12:29		Mohan	OK
30	P4364-12	SB-04-4.5-5.0	SAM	10/14/24 12:32		Mohan	OK
31	P4364-13	SB-05-0.167-0.667	SAM	10/14/24 12:34		Mohan	OK
32	P4364-14	SB-06-0.167-0.667	SAM	10/14/24 12:37		Mohan	OK
33	CCV15	CCV15	CCV	10/14/24 12:39		Mohan	OK
34	CCB15	CCB15	CCB	10/14/24 12:41		Mohan	OK
35	P4364-15	SB-07-0.167-0.667	SAM	10/14/24 12:43		Mohan	OK
36	P4364-16	SB-08-0.167-0.667	SAM	10/14/24 12:46		Mohan	OK
37	P4364-16DUP	SB-08-0.167-0.667DU	DUP	10/14/24 12:48		Mohan	OK
38	P4364-16MS	SB-08-0.167-0.667MS	MS	10/14/24 12:53		Mohan	OK

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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB132914

Review By	jaswal	Review On	10/14/2024 10:26:20 PM
Supervise By	mohan	Supervise On	10/14/2024 10:27:01 PM

STD. NAME	STD REF.#
ICAL Standard	MP82765,MP82766,MP82767,MP82768,MP82769,MP82770
ICV Standard	MP82771
CCV Standard	MP82773
ICSA Standard	
CRI Standard	MP82775
LCS Standard	
Chk Standard	MP82772,MP82774,MP82776,MP82781

39	P4364-16MSD	SB-08-0.167-0.667MS	MSD	10/14/24 12:55		Mohan	OK
40	P4376-01	OR-02-100924	SAM	10/14/24 12:58		Mohan	OK
41	P4377-01	HD-01-100924	SAM	10/14/24 13:00		Mohan	OK
42	PB164117BL	PB164117BL	MB	10/14/24 13:02		Mohan	OK
43	PB164117BS	PB164117BS	LCS	10/14/24 13:05		Mohan	OK
44	P4375-01	CONCRETE-PADS-1	SAM	10/14/24 13:07		Mohan	OK
45	CCV16	CCV16	CCV	10/14/24 13:09		Mohan	OK
46	CCB16	CCB16	CCB	10/14/24 13:12		Mohan	OK
47	P4375-01DUP	CONCRETE-PADS-1D	DUP	10/14/24 13:14		Mohan	OK
48	P4375-01MS	CONCRETE-PADS-1M	MS	10/14/24 13:16		Mohan	OK
49	P4375-01MSD	CONCRETE-PADS-1M	MSD	10/14/24 13:18		Mohan	OK
50	P4375-03	CONCRETE-PADS-2	SAM	10/14/24 13:21		Mohan	OK
51	P4375-05	CONCRETE-PADS-3	SAM	10/14/24 13:23		Mohan	OK
52	P4375-07	CONCRETE-PADS-4	SAM	10/14/24 13:25		Mohan	OK
53	P4375-09	CONCRETE-PADS-5	SAM	10/14/24 13:28		Mohan	OK
54	P4375-11	CONCRETE-PADS-6	SAM	10/14/24 13:30		Mohan	OK
55	P4375-13	CONCRETE-PADS-7	SAM	10/14/24 13:32		Mohan	OK
56	P4375-15	CONCRETE-PADS-8	SAM	10/14/24 13:34		Mohan	OK
57	CCV17	CCV17	CCV	10/14/24 13:37		Mohan	OK
58	CCB17	CCB17	CCB	10/14/24 13:39		Mohan	OK

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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB132914

Review By	jaswal	Review On	10/14/2024 10:26:20 PM
Supervise By	mohan	Supervise On	10/14/2024 10:27:01 PM

STD. NAME	STD REF.#
ICAL Standard	MP82765,MP82766,MP82767,MP82768,MP82769,MP82770
ICV Standard	MP82771
CCV Standard	MP82773
ICSA Standard	
CRI Standard	MP82775
LCS Standard	
Chk Standard	MP82772,MP82774,MP82776,MP82781

59	P4375-17	CONCRETE-PADS-9	SAM	10/14/24 13:41		Mohan	OK
60	P4375-19	CONCRETE-PADS-10	SAM	10/14/24 13:43		Mohan	OK
61	P4375-21	CONCRETE-PADS-11	SAM	10/14/24 13:46		Mohan	OK
62	P4375-23	FENCE-POST-1	SAM	10/14/24 13:48		Mohan	OK
63	P4375-25	FENCE-POST-2	SAM	10/14/24 13:50		Mohan	OK
64	P4375-27	FENCE-POST-3	SAM	10/14/24 13:52		Mohan	OK
65	PB164118BL	PB164118BL	MB	10/14/24 13:55		Mohan	OK
66	PB164118BS	PB164118BS	LCS	10/14/24 13:57		Mohan	OK
67	P4385-02	SP-1	SAM	10/14/24 13:59		Mohan	OK
68	P4385-04	SP-2	SAM	10/14/24 14:02		Mohan	OK
69	CCV18	CCV18	CCV	10/14/24 14:04		Mohan	OK
70	CCB18	CCB18	CCB	10/14/24 14:06		Mohan	OK
71	P4385-06	SP-3	SAM	10/14/24 14:08		Mohan	OK
72	P4385-08	SP-4	SAM	10/14/24 14:11		Mohan	OK
73	P4385-10	SP-5	SAM	10/14/24 14:13		Mohan	OK
74	P4385-12	SP-6	SAM	10/14/24 14:15		Mohan	OK
75	P4385-14	SP-7	SAM	10/14/24 14:18		Mohan	OK
76	P4385-16	SP-8	SAM	10/14/24 14:20		Mohan	OK
77	P4385-18	SP-9	SAM	10/14/24 14:22		Mohan	OK
78	P4385-20	SP-10	SAM	10/14/24 14:24		Mohan	OK

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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB132914

Review By	jaswal	Review On	10/14/2024 10:26:20 PM
Supervise By	mohan	Supervise On	10/14/2024 10:27:01 PM

STD. NAME	STD REF.#
ICAL Standard	MP82765,MP82766,MP82767,MP82768,MP82769,MP82770
ICV Standard	MP82771
CCV Standard	MP82773
ICSA Standard	
CRI Standard	MP82775
LCS Standard	
Chk Standard	MP82772,MP82774,MP82776,MP82781

79	P4385-20DUP	SP-10DUP	DUP	10/14/24 14:27		Mohan	OK
80	P4385-20MS	SP-10MS	MS	10/14/24 14:29		Mohan	OK
81	CCV19	CCV19	CCV	10/14/24 14:31		Mohan	OK
82	CCB19	CCB19	CCB	10/14/24 14:34		Mohan	OK
83	P4385-20MSD	SP-10MSD	MSD	10/14/24 14:36		Mohan	OK
84	P4393-01	BUST-DEBRIS	SAM	10/14/24 14:38		Mohan	OK
85	P4394-01	WASH-DEBRIS	SAM	10/14/24 14:41		Mohan	OK
86	P4395-01	F05308-SOLID	SAM	10/14/24 14:43		Mohan	OK
87	P4364-16L	SB-08-0.167-0.667L	SD	10/14/24 14:45		Mohan	OK
88	P4364-16A	SB-08-0.167-0.667A	PS	10/14/24 14:47		Mohan	OK
89	P4375-01L	CONCRETE-PADS-1L	SD	10/14/24 14:50		Mohan	OK
90	P4375-01A	CONCRETE-PADS-1A	PS	10/14/24 14:52		Mohan	OK
91	P4385-20L	SP-10L	SD	10/14/24 14:54		Mohan	OK
92	P4385-20A	SP-10A	PS	10/14/24 14:57		Mohan	OK
93	CCV20	CCV20	CCV	10/14/24 14:59		Mohan	OK
94	CCB20	CCB20	CCB	10/14/24 15:01		Mohan	OK
95	P4364-04DL	SB-02-0.167-0.667DL	SAM	10/14/24 15:04	Report 2X	Mohan	Confirms
96	P4364-05DL	SB-02-2.0-2.5DL	SAM	10/14/24 15:06	Report 2X	Mohan	Confirms
97	P4364-06DL	SB-02-4.5-5.0DL	SAM	10/14/24 15:08	Report 5X	Mohan	Confirms
98	P4364-07DL	SB-03-0.167-0.667DL	SAM	10/14/24 15:10	Report 2X	Mohan	Confirms

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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB132914

Review By	jaswal	Review On	10/14/2024 10:26:20 PM
Supervise By	mohan	Supervise On	10/14/2024 10:27:01 PM

STD. NAME	STD REF.#
ICAL Standard	MP82765,MP82766,MP82767,MP82768,MP82769,MP82770
ICV Standard	MP82771
CCV Standard	MP82773
ICSA Standard	
CRI Standard	MP82775
LCS Standard	
Chk Standard	MP82772,MP82774,MP82776,MP82781

99	P4364-10DL	SB-04-0.167-0.667DL	SAM	10/14/24 15:13	Report 2X	Mohan	Confirms
100	CCV21	CCV21	CCV	10/14/24 15:15		Mohan	OK
101	CCB21	CCB21	CCB	10/14/24 15:17		Mohan	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB132927

Review By	jaswal	Review On	10/21/2024 1:52:41 AM
Supervise By	mohan	Supervise On	10/21/2024 1:54:36 AM

STD. NAME	STD REF.#
ICAL Standard	MP82441,MP82476,MP82477,MP82478,MP82479,MP82484
ICV Standard	MP82485
CCV Standard	MP82488
ICSA Standard	MP82486,MP82487
CRI Standard	MP82484
LCS Standard	
Chk Standard	MP82491,MP82492

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	10/14/24 13:40		Kareem	OK
2	S1	S1	CAL2	10/14/24 13:45		Kareem	OK
3	S2	S2	CAL3	10/14/24 13:49		Kareem	OK
4	S3	S3	CAL4	10/14/24 13:53		Kareem	OK
5	S4	S4	CAL5	10/14/24 13:57		Kareem	OK
6	S5	S5	CAL6	10/14/24 14:02		Kareem	OK
7	ICV01	ICV01	ICV	10/14/24 14:06		Kareem	OK
8	LLICV01	LLICV01	LLICV	10/14/24 14:18		Kareem	OK
9	ICB01	ICB01	ICB	10/14/24 14:23		Kareem	OK
10	CRI01	CRI01	CRDL	10/14/24 14:27		Kareem	OK
11	ICSA01	ICSA01	ICSA	10/14/24 14:32		Kareem	OK
12	ICSAB01	ICSAB01	ICSAB	10/14/24 14:39		Kareem	OK
13	CCV01	CCV01	CCV	10/14/24 14:43		Kareem	OK
14	CCB01	CCB01	CCB	10/14/24 14:47		Kareem	OK
15	LR1	LR1	HIGH STD	10/14/24 14:53		Kareem	OK
16	LR2	LR2	HIGH STD	10/14/24 14:58		Kareem	OK
17	P4258-03	Chamberlain Ave	SAM	10/14/24 15:05		Kareem	OK
18	CCV02	CCV02	CCV	10/14/24 15:09		Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB132927

Review By	jaswal	Review On	10/21/2024 1:52:41 AM
Supervise By	mohan	Supervise On	10/21/2024 1:54:36 AM

STD. NAME	STD REF.#
ICAL Standard	MP82441,MP82476,MP82477,MP82478,MP82479,MP82484
ICV Standard	MP82485
CCV Standard	MP82488
ICSA Standard	MP82486,MP82487
CRI Standard	MP82484
LCS Standard	
Chk Standard	MP82491,MP82492

19	CCB02	CCB02	CCB	10/14/24 15:13		Kareem	OK
20	P4354-01	291551	SAM	10/14/24 15:19		Kareem	OK
21	P4354-01DUP	291551DUP	DUP	10/14/24 15:24		Kareem	OK
22	P4354-01L	291551L	SD	10/14/24 15:28		Kareem	OK
23	P4354-01MS	291551MS	MS	10/14/24 15:32		Kareem	OK
24	P4354-01MSD	291551MSD	MSD	10/14/24 15:37		Kareem	OK
25	P4354-01A	291551A	PS	10/14/24 15:41		Kareem	OK
26	P4375-02	CONCRETE-PADS-1	SAM	10/14/24 15:54		Kareem	OK
27	P4375-04	CONCRETE-PADS-2	SAM	10/14/24 15:58		Kareem	OK
28	CCV03	CCV03	CCV	10/14/24 16:03		Kareem	OK
29	CCB03	CCB03	CCB	10/14/24 16:07		Kareem	OK
30	P4375-06	CONCRETE-PADS-3	SAM	10/14/24 16:21		Kareem	OK
31	P4375-08	CONCRETE-PADS-4	SAM	10/14/24 16:26		Kareem	OK
32	P4375-10	CONCRETE-PADS-5	SAM	10/14/24 16:30		Kareem	OK
33	P4375-12	CONCRETE-PADS-6	SAM	10/14/24 16:35		Kareem	OK
34	P4375-14	CONCRETE-PADS-7	SAM	10/14/24 16:39		Kareem	OK
35	P4375-16	CONCRETE-PADS-8	SAM	10/14/24 16:44		Kareem	OK
36	P4375-18	CONCRETE-PADS-9	SAM	10/14/24 16:48		Kareem	OK
37	P4375-20	CONCRETE-PADS-10	SAM	10/14/24 16:53		Kareem	OK
38	P4375-22	CONCRETE-PADS-11	SAM	10/14/24 16:57		Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB132927

Review By	jaswal	Review On	10/21/2024 1:52:41 AM
Supervise By	mohan	Supervise On	10/21/2024 1:54:36 AM

STD. NAME	STD REF.#
ICAL Standard	MP82441,MP82476,MP82477,MP82478,MP82479,MP82484
ICV Standard	MP82485
CCV Standard	MP82488
ICSA Standard	MP82486,MP82487
CRI Standard	MP82484
LCS Standard	
Chk Standard	MP82491,MP82492

39	P4375-24	FENCE-POST-1	SAM	10/14/24 17:02		Kareem	OK
40	CCV04	CCV04	CCV	10/14/24 17:06		Kareem	OK
41	CCB04	CCB04	CCB	10/14/24 17:11		Kareem	OK
42	P4375-26	FENCE-POST-2	SAM	10/14/24 17:15		Kareem	OK
43	P4375-28	FENCE-POST-3	SAM	10/14/24 17:21		Kareem	OK
44	P4375-28DUP	FENCE-POST-3DUP	DUP	10/14/24 17:26		Kareem	OK
45	P4375-28L	FENCE-POST-3L	SD	10/14/24 17:30		Kareem	OK
46	P4375-28MS	FENCE-POST-3MS	MS	10/14/24 17:34		Kareem	OK
47	P4375-28MSD	FENCE-POST-3MSD	MSD	10/14/24 17:39		Kareem	OK
48	P4375-28A	FENCE-POST-3A	PS	10/14/24 17:43		Kareem	OK
49	PB164021TB	PB164021TB	MB	10/14/24 17:47		Kareem	OK
50	PB164077BL	PB164077BL	MB	10/14/24 17:52		Kareem	OK
51	PB164077BS	PB164077BS	LCS	10/14/24 17:56		Kareem	OK
52	CCV05	CCV05	CCV	10/14/24 18:00		Kareem	OK
53	CCB05	CCB05	CCB	10/14/24 18:04		Kareem	OK
54	PB164010TB	PB164010TB	MB	10/14/24 18:08		Kareem	OK
55	P4393-01	BUST-DEBRIS	SAM	10/14/24 18:13		Kareem	OK
56	P4393-01DUP	BUST-DEBRISDUP	DUP	10/14/24 18:17		Kareem	OK
57	P4393-01L	BUST-DEBRISL	SD	10/14/24 18:22		Kareem	OK
58	P4393-01MS	BUST-DEBRISMS	MS	10/14/24 18:26		Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB132927

Review By	jaswal	Review On	10/21/2024 1:52:41 AM
Supervise By	mohan	Supervise On	10/21/2024 1:54:36 AM

STD. NAME	STD REF.#
ICAL Standard	MP82441,MP82476,MP82477,MP82478,MP82479,MP82484
ICV Standard	MP82485
CCV Standard	MP82488
ICSA Standard	MP82486,MP82487
CRI Standard	MP82484
LCS Standard	
Chk Standard	MP82491,MP82492

59	P4393-01MSD	BUST-DEBRISMSD	MSD	10/14/24 18:30		Kareem	OK
60	P4393-01A	BUST-DEBRISA	PS	10/14/24 18:34		Kareem	OK
61	P4394-01	WASH-DEBRIS	SAM	10/14/24 18:38		Kareem	OK
62	P4395-01	F05308-SOLID	SAM	10/14/24 18:42		Kareem	OK
63	PB164106BL	PB164106BL	MB	10/14/24 18:46		Kareem	OK
64	CCV06	CCV06	CCV	10/14/24 18:51		Kareem	OK
65	CCB06	CCB06	CCB	10/14/24 18:55		Kareem	OK
66	PB164106BS	PB164106BS	LCS	10/14/24 18:59		Kareem	OK
67	PB163999BL	PB163999BL	MB	10/14/24 19:03		Kareem	OK
68	PB163999BS	PB163999BS	LCS	10/14/24 19:07		Kareem	OK
69	CCV07	CCV07	CCV	10/14/24 19:11		Kareem	OK
70	CCB07	CCB07	CCB	10/14/24 19:15		Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB132951

Review By	jaswal	Review On	10/21/2024 1:52:32 AM
Supervise By	mohan	Supervise On	10/21/2024 1:54:55 AM

STD. NAME	STD REF.#
ICAL Standard	MP82441,MP82476,MP82477,MP82478,MP82479,MP82484
ICV Standard	MP82485
CCV Standard	MP82488
ICSA Standard	MP82486,MP82487
CRI Standard	MP82484
LCS Standard	
Chk Standard	MP82491,MP82492

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	10/15/24 10:42		Kareem	OK
2	S1	S1	CAL2	10/15/24 10:47		Kareem	OK
3	S2	S2	CAL3	10/15/24 10:51		Kareem	OK
4	S3	S3	CAL4	10/15/24 10:55		Kareem	OK
5	S4	S4	CAL5	10/15/24 10:59		Kareem	OK
6	S5	S5	CAL6	10/15/24 11:03		Kareem	OK
7	ICV01	ICV01	ICV	10/15/24 11:24		Kareem	OK
8	LLICV01	LLICV01	LLICV	10/15/24 11:37		Kareem	OK
9	ICB01	ICB01	ICB	10/15/24 11:41		Kareem	OK
10	CRI01	CRI01	CRDL	10/15/24 11:46		Kareem	OK
11	ICSA01	ICSA01	ICSA	10/15/24 11:50		Kareem	OK
12	ICSAB01	ICSAB01	ICSAB	10/15/24 12:03		Kareem	OK
13	ICSADL	ICSADL	ICSA	10/15/24 12:10		Kareem	OK
14	ICSABDL	ICSABDL	ICSAB	10/15/24 12:20		Kareem	OK
15	CCV01	CCV01	CCV	10/15/24 12:26		Kareem	OK
16	CCB01	CCB01	CCB	10/15/24 12:30		Kareem	OK
17	LR1	LR1	HIGH STD	10/15/24 12:34		Kareem	OK
18	LR2	LR2	HIGH STD	10/15/24 12:39		Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB132951

Review By	jaswal	Review On	10/21/2024 1:52:32 AM
Supervise By	mohan	Supervise On	10/21/2024 1:54:55 AM

STD. NAME	STD REF.#
ICAL Standard	MP82441,MP82476,MP82477,MP82478,MP82479,MP82484
ICV Standard	MP82485
CCV Standard	MP82488
ICSA Standard	MP82486,MP82487
CRI Standard	MP82484
LCS Standard	
Chk Standard	MP82491,MP82492

19	P4271-07DL	14B-(1-4)-COMPDL	SAM	10/15/24 12:52	NOT USE	Kareem	Not Ok
20	P4271-07DL2	14B-(1-4)-COMPDL2	SAM	10/15/24 13:02	10x for Mn	Kareem	Confirms
21	PB164065BS	PB164065BS	LCS	10/15/24 13:06		Kareem	OK
22	P4385-18	SP-9	SAM	10/15/24 13:10		Kareem	OK
23	P4385-20	SP-10	SAM	10/15/24 13:14	MS/MSD fail for more than 50% parameters	Kareem	Not Ok
24	P4385-20DUP	SP-10DUP	DUP	10/15/24 13:18	MS/MSD fail for more than 50% parameters	Kareem	Not Ok
25	CCV02	CCV02	CCV	10/15/24 13:23		Kareem	OK
26	CCB02	CCB02	CCB	10/15/24 13:27		Kareem	OK
27	P4385-20L	SP-10L	SD	10/15/24 13:31	MS/MSD fail for more than 50% parameters	Kareem	Not Ok
28	P4385-20MS	SP-10MS	MS	10/15/24 13:35	MS/MSD fail for more than 50% parameters	Kareem	Not Ok
29	P4385-20MSD	SP-10MSD	MSD	10/15/24 13:39	MS/MSD fail for more than 50% parameters	Kareem	Not Ok
30	P4385-20A	SP-10A	PS	10/15/24 13:43	MS/MSD fail for more than 50% parameters	Kareem	Not Ok
31	CCV03	CCV03	CCV	10/15/24 14:07		Kareem	OK
32	CCB03	CCB03	CCB	10/15/24 14:11		Kareem	OK
33	PB164065BL	PB164065BL	MB	10/15/24 14:26		Kareem	OK
34	P4382-01	DECON-DRUM	SAM	10/15/24 14:30		Kareem	OK
35	CCV04	CCV04	CCV	10/15/24 14:35		Kareem	OK
36	CCB04	CCB04	CCB	10/15/24 14:39		Kareem	OK

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Daily Analysis Runlog For Sequence/QCBatch ID # LB132951

Review By	jaswal	Review On	10/21/2024 1:52:32 AM
Supervise By	mohan	Supervise On	10/21/2024 1:54:55 AM

STD. NAME	STD REF.#
ICAL Standard	MP82441,MP82476,MP82477,MP82478,MP82479,MP82484
ICV Standard	MP82485
CCV Standard	MP82488
ICSA Standard	MP82486,MP82487
CRI Standard	MP82484
LCS Standard	
Chk Standard	MP82491,MP82492

37	P4385-02	SP-1	SAM	10/15/24 14:43		Kareem	OK
38	P4385-04	SP-2	SAM	10/15/24 14:48		Kareem	OK
39	P4385-06	SP-3	SAM	10/15/24 14:52		Kareem	OK
40	P4385-08	SP-4	SAM	10/15/24 14:56		Kareem	OK
41	P4385-10	SP-5	SAM	10/15/24 15:01		Kareem	OK
42	P4385-12	SP-6	SAM	10/15/24 15:05		Kareem	OK
43	P4385-14	SP-7	SAM	10/15/24 15:09		Kareem	OK
44	P4385-16	SP-8	SAM	10/15/24 15:13		Kareem	OK
45	P4370-02	COMP	SAM	10/15/24 15:18		Kareem	OK
46	P4396-01	WASTE-WATER-FRA	SAM	10/15/24 15:22		Kareem	OK
47	CCV05	CCV05	CCV	10/15/24 15:26		Kareem	OK
48	CCB05	CCB05	CCB	10/15/24 15:30		Kareem	OK
49	P4396-01DUP	WASTE-WATER-FRA	DUP	10/15/24 15:35		Kareem	OK
50	P4396-01L	WASTE-WATER-FRA	SD	10/15/24 15:39		Kareem	OK
51	P4396-01MS	WASTE-WATER-FRA	MS	10/15/24 15:43		Kareem	OK
52	P4396-01MSD	WASTE-WATER-FRA	MSD	10/15/24 15:47		Kareem	OK
53	P4396-01A	WASTE-WATER-FRA	PS	10/15/24 15:51		Kareem	OK
54	PB164099BL	PB164099BL	MB	10/15/24 15:55		Kareem	OK
55	PB164099BS	PB164099BS	LCS	10/15/24 15:59		Kareem	OK
56	P4364-01	SB-01-1.0-1.5	SAM	10/15/24 16:03		Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB132951

Review By	jaswal	Review On	10/21/2024 1:52:32 AM
Supervise By	mohan	Supervise On	10/21/2024 1:54:55 AM

STD. NAME	STD REF.#
ICAL Standard	MP82441,MP82476,MP82477,MP82478,MP82479,MP82484
ICV Standard	MP82485
CCV Standard	MP82488
ICSA Standard	MP82486,MP82487
CRI Standard	MP82484
LCS Standard	
Chk Standard	MP82491,MP82492

57	P4364-02	SB-01-2.5-3.0	SAM	10/15/24 16:08		Kareem	OK
58	P4364-03	SB-01-4.25-4.83	SAM	10/15/24 16:13		Kareem	OK
59	CCV06	CCV06	CCV	10/15/24 16:17		Kareem	OK
60	CCB06	CCB06	CCB	10/15/24 16:21		Kareem	OK
61	P4400-01	NB-08-101424	SAM	10/15/24 16:26	MS/MSD fail for more than 50% parameters	Kareem	Not Ok
62	P4400-01DUP	NB-08-101424DUP	DUP	10/15/24 16:30	MS/MSD fail for more than 50% parameters	Kareem	Not Ok
63	P4400-01L	NB-08-101424L	SD	10/15/24 16:34	MS/MSD fail for more than 50% parameters	Kareem	Not Ok
64	P4400-01MS	NB-08-101424MS	MS	10/15/24 16:39	MS/MSD fail for more than 50% parameters	Kareem	Not Ok
65	P4400-01MSD	NB-08-101424MSD	MSD	10/15/24 16:43	MS/MSD fail for more than 50% parameters	Kareem	Not Ok
66	P4400-01A	NB-08-101424A	PS	10/15/24 16:47	MS/MSD fail for more than 50% parameters	Kareem	Not Ok
67	P4364-04	SB-02-0.167-0.667	SAM	10/15/24 16:52		Kareem	OK
68	P4364-05	SB-02-2.0-2.5	SAM	10/15/24 16:56		Kareem	OK
69	P4364-06	SB-02-4.5-5.0	SAM	10/15/24 17:01		Kareem	OK
70	P4364-07	SB-03-0.167-0.667	SAM	10/15/24 17:05		Kareem	OK
71	CCV07	CCV07	CCV	10/15/24 17:14		Kareem	OK
72	CCB07	CCB07	CCB	10/15/24 17:18		Kareem	OK
73	P4364-08	SB-03-2.0-2.5	SAM	10/15/24 17:23		Kareem	OK
74	P4364-09	SB-03-4.167-4.667	SAM	10/15/24 17:27		Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB132951

Review By	jaswal	Review On	10/21/2024 1:52:32 AM
Supervise By	mohan	Supervise On	10/21/2024 1:54:55 AM

STD. NAME	STD REF.#
ICAL Standard	MP82441,MP82476,MP82477,MP82478,MP82479,MP82484
ICV Standard	MP82485
CCV Standard	MP82488
ICSA Standard	MP82486,MP82487
CRI Standard	MP82484
LCS Standard	
Chk Standard	MP82491,MP82492

75	P4364-10	SB-04-0.167-0.667	SAM	10/15/24 17:31		Kareem	OK
76	P4364-11	SB-04-2.0-2.5	SAM	10/15/24 17:36	Not used	Kareem	Not Ok
77	P4364-12	SB-04-4.5-5.0	SAM	10/15/24 17:41		Kareem	OK
78	P4364-13	SB-05-0.167-0.667	SAM	10/15/24 17:45	Ca high	Kareem	Dilution
79	CCV08	CCV08	CCV	10/15/24 17:49		Kareem	OK
80	CCB08	CCB08	CCB	10/15/24 17:53		Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB133014

Review By	jaswal	Review On	10/21/2024 1:53:28 AM
Supervise By	mohan	Supervise On	10/21/2024 1:54:16 AM

STD. NAME	STD REF.#
ICAL Standard	MP82441,MP82476,MP82477,MP82478,MP82479,MP82484
ICV Standard	MP82485
CCV Standard	MP82488
ICSA Standard	MP82486,MP82487
CRI Standard	MP82484
LCS Standard	
Chk Standard	MP82491,MP82492

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	10/18/24 12:03		Kareem	OK
2	S1	S1	CAL2	10/18/24 12:07		Kareem	OK
3	S2	S2	CAL3	10/18/24 12:12		Kareem	OK
4	S3	S3	CAL4	10/18/24 12:16		Kareem	OK
5	S4	S4	CAL5	10/18/24 12:20		Kareem	OK
6	S5	S5	CAL6	10/18/24 12:24		Kareem	OK
7	ICV01	ICV01	ICV	10/18/24 13:08	ICV fail for Al,Cr,Cu,Ag,Tl,Zn (200.7)	Kareem	OK
8	LLICV01	LLICV01	LLICV	10/18/24 13:13		Kareem	OK
9	ICB01	ICB01	ICB	10/18/24 13:23		Kareem	OK
10	CRI01	CRI01	CRDL	10/18/24 13:27		Kareem	OK
11	ICSA01	ICSA01	ICSA	10/18/24 13:32		Kareem	OK
12	ICSAB01	ICSAB01	ICSAB	10/18/24 13:56		Kareem	OK
13	CCV01	CCV01	CCV	10/18/24 14:00		Kareem	OK
14	CCB01	CCB01	CCB	10/18/24 14:05		Kareem	OK
15	P3846-05DL	PT-MIN2-WPDL	SAM	10/18/24 14:19	2x for Ca,Na	Kareem	Confirms
16	P3847-05DL	PT-MIN2-WPDL	SAM	10/18/24 14:49	2x for Ca,Na	Kareem	Confirms
17	CCV02	CCV02	CCV	10/18/24 14:53		Kareem	OK
18	CCB02	CCB02	CCB	10/18/24 14:57		Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB133014

Review By	jaswal	Review On	10/21/2024 1:53:28 AM
Supervise By	mohan	Supervise On	10/21/2024 1:54:16 AM

STD. NAME	STD REF.#
ICAL Standard	MP82441,MP82476,MP82477,MP82478,MP82479,MP82484
ICV Standard	MP82485
CCV Standard	MP82488
ICSA Standard	MP82486,MP82487
CRI Standard	MP82484
LCS Standard	
Chk Standard	MP82491,MP82492

19	LR1	LR1	HIGH STD	10/18/24 15:02		Kareem	OK
20	LR2	LR2	HIGH STD	10/18/24 15:07		Kareem	OK
21	P4385-20	SP-10	SAM	10/18/24 15:11		Kareem	OK
22	P4385-20DUP	SP-10DUP	DUP	10/18/24 15:16		Kareem	OK
23	P4385-20L	SP-10L	SD	10/18/24 15:20		Kareem	OK
24	P4385-20MS	SP-10MS	MS	10/18/24 15:24		Kareem	OK
25	P4385-20MSD	SP-10MSD	MSD	10/18/24 15:28		Kareem	OK
26	P4385-20A	SP-10A	PS	10/18/24 15:32		Kareem	OK
27	CCV03	CCV03	CCV	10/18/24 16:05		Kareem	OK
28	CCB03	CCB03	CCB	10/18/24 16:39		Kareem	OK
29	P4405-01DL	MH-121DL	SAM	10/18/24 16:43	5x for Na	Kareem	Confirms
30	P4421-01	EO-02-101624	SAM	10/18/24 17:15	NOT USE	Kareem	Not Ok
31	P4422-01	EO-01-101624	SAM	10/18/24 17:19	NOT USE	Kareem	Not Ok
32	P4431-01	72-11934	SAM	10/18/24 17:23	NOT USE	Kareem	Not Ok
33	CCV04	CCV04	CCV	10/18/24 17:28	CCV fail for Fe,Mg,Mn	Kareem	OK
34	CCB04	CCB04	CCB	10/18/24 17:32		Kareem	OK

Alliance TECHNICAL GROUP

Soil/Sludge Metals Preparation Sheet

PB164065

SOP ID : M3050B-Digestion-20

SDG No : N/A

Matrix : SOIL

Pippete ID: ICP A

Balance ID : M SC-2

Filter paper ID : N/A

pH Strip ID : N/A

Hood ID : #3

Block ID: 1. HOT BLOCK #3 2. N/A

Start Digest Date: 10/11/2024 **Time :** 09:05 **Temp :** 95 °C

End Digest Date: 10/11/2024 **Time :** 11:15 **Temp :** 96 °C

Digestion tube ID: M6054

Block thermometer ID: MET-DIG. #3

Dig Technician Signature: jpp

Supervisor Signature:

Temp : 1. 95°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
LFS-1	1.00	M6000
LFS-2	1.00	M6009
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
1:1 HNO3	10.00	MP81119
CONC: HNO3	5.00	M6083
30% H2O2	3.00	M5634
CONC: HCL	10.00	M6040
PTFE Boiling Stones	N/A	M5585
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

Hot Block # 3 Cell # 30 Temp: 95 C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/11/24 11:30	jpp/met dig	
	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	pH	Initial Weight (g)	Final Vol (ml)	Color Before	Color After	Texture	Artifact	Comment	Prep Pos
P4258-03	CHAMBERLAIN AVE	N/A	2.14	100	Brown	Yellow	Medium	N/A	N/A	1
P4385-02	SP-1	N/A	2.26	100	Brown	Yellow	Medium	N/A	N/A	2
P4385-04	SP-2	N/A	2.22	100	Brown	Yellow	Medium	N/A	N/A	3
P4385-06	SP-3	N/A	2.40	100	Brown	Yellow	Medium	N/A	N/A	4
P4385-08	SP-4	N/A	2.32	100	Brown	Yellow	Medium	N/A	N/A	5
P4385-10	SP-5	N/A	2.31	100	Brown	Yellow	Medium	N/A	N/A	6
P4385-12	SP-6	N/A	2.28	100	Brown	Yellow	Medium	N/A	N/A	7
P4385-14	SP-7	N/A	2.23	100	Brown	Yellow	Medium	N/A	N/A	8
P4385-16	SP-8	N/A	2.24	100	Brown	Yellow	Medium	N/A	N/A	9
P4385-18	SP-9	N/A	2.28	100	Brown	Yellow	Medium	N/A	N/A	10
P4385-20	SP-10	N/A	2.24	100	Brown	Yellow	Medium	N/A	N/A	11
P4385-20MS	SP-10MS	N/A	2.11	100	Brown	Yellow	Medium	N/A	M6000,M6009	13
P4385-20MSD	SP-10MSD	N/A	2.31	100	Brown	Yellow	Medium	N/A	M6000,M6009	14
P4385-20DUP	SP-10DUP	N/A	2.31	100	Brown	Yellow	Medium	N/A	N/A	12
PB164065BL	PBS065	N/A	2.46	100	Colorless	Colorless	Fine	N/A	N/A	15
PB164065BS	LCS065	N/A	2.46	100	Colorless	Colorless	Fine	N/A	M6000,M6009	16

Alliance TECHNICAL GROUP

Soil/Sludge Mercury Preparation Sheet

PB164114

SOP ID : M7471B-Mercury-18

SDG No : NA

Matrix : SOIL

Pippete ID: HG A

Balance ID : M SC-3

Filter paper ID : NA

pH Strip ID : NA

Hood ID : #1

Block ID: 1. HG HOT BLOCK#3 2. N/A

Start Digest Date: 10/11/2024 **Time :** 13:30 **Temp :** 95 °C

End Digest Date: 10/11/2024 **Time :** 14:00 **Temp :** 95 °C

Digestion tube ID: M5595

Block thermometer ID: HG-DIG#3

Dig Technician Signature: MB

Supervisor Signature: TL

Temp : 1. 95°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
ICV	30mL	MP82771
CCV	30mL	MP82773
CRA	30mL	MP82775
Blank Spike	0.48mL	MP82764
Matrix Spike	0.48mL	MP82764

Chemical Used	ML/SAMPLE USED	Lot Number
AQUA REGIA	1.5mL	MP82777
KMnO4 (5%)	4.5mL	MP82652
Hydroxylamine HCL (12%)	2.0mL	MP82654
PTFE Boiling Stones	----------	M4583
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

LAB SAMPLE ID	CLIENT SAMPLE ID	Wt(g)/Vol(ml)	Comment
0.0 ppb	S0	30mL	MP82765
0.05 ppb	S0.05	N/A	N/A
0.2 ppb	S0.2	30mL	MP82766
2.5 ppb	S2.5	30mL	MP82767
5.0 ppb	S5.0	30mL	MP82768
7.5 ppb	S7.5	30mL	MP82769
10.0 ppb	S10.0	30mL	MP82770
ICV	ICV	30mL	MP82771
ICB	ICB	30mL	MP82772
CCV	CCV	30mL	MP82773
CCB	CCB	30mL	MP82774
CRI	CRI	30mL	MP82775
CHK STD	CHK STD	30mL	MP82776

Extraction Conformance/Non-Conformance Comments:

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/11/24 @ 14:40	MB - Dig. Lab	MB - Metal Lab
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Soil/Sludge Mercury Preparation Sheet

PB164114

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Comment	Prep Pos
P4258-03	CHAMBERLAIN AVE	0.54	35	NA	N/A	3-1
P4364-01	SB-01-1.0-1.5	0.57	35	NA	N/A	2
P4364-02	SB-01-2.5-3.0	0.52	35	NA	N/A	3
P4364-03	SB-01-4.25-4.83	0.52	35	NA	N/A	4
P4364-04	SB-02-0.167-0.667	0.58	35	NA	N/A	5
P4364-05	SB-02-2.0-2.5	0.53	35	NA	N/A	6
P4364-06	SB-02-4.5-5.0	0.56	35	NA	N/A	7
P4364-07	SB-03-0.167-0.667	0.60	35	NA	N/A	8
P4364-08	SB-03-2.0-2.5	0.50	35	NA	N/A	9
P4364-09	SB-03-4.167-4.667	0.58	35	NA	N/A	10
P4364-10	SB-04-0.167-0.667	0.54	35	NA	N/A	11
P4364-11	SB-04-2.0-2.5	0.56	35	NA	N/A	12
P4364-12	SB-04-4.5-5.0	0.53	35	NA	N/A	13
P4364-13	SB-05-0.167-0.667	0.52	35	NA	N/A	14
P4364-14	SB-06-0.167-0.667	0.53	35	NA	N/A	15
P4364-15	SB-07-0.167-0.667	0.52	35	NA	N/A	16
P4364-16	SB-08-0.167-0.667	0.54	35	NA	N/A	17
P4364-16DUP	SB-08-0.167-0.667DUP	0.56	35	NA	N/A	18
P4364-16MS	SB-08-0.167-0.667MS	0.59	35	NA	MP82764	19
P4364-16MSD	SB-08-0.167-0.667MSD	0.56	35	NA	MP82764	20
P4376-01	OR-02-100924	0.51	35	NA	N/A	21
P4377-01	HD-01-100924	0.60	35	NA	N/A	22
PB164114BL	PBS114	0.54	35	NA	N/A	23
PB164114BS	LCS114	0.52	35	NA	MP82764	24

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Hit Summary Sheet
SW-846

SDG No.:	P4258	**Order ID:**	P4258
Client:	Roman E&G Corp	**Project ID:**	Perth Amboy

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : Chamberlain Ave								
P4258-04	Chamberlain Ave	TCLP	Barium	4420		62.8	500	ug/L
P4258-04	Chamberlain Ave	TCLP	Cadmium	2.16	J	0.94	30.0	ug/L
P4258-04	Chamberlain Ave	TCLP	Chromium	15.7	J	6.60	50.0	ug/L
P4258-04	Chamberlain Ave	TCLP	Copper	217		70.7	100	ug/L
P4258-04	Chamberlain Ave	TCLP	Lead	170		35.1	60.0	ug/L
P4258-04	Chamberlain Ave	TCLP	Mercury	1.68	J	0.81	2.00	ug/L
P4258-04	Chamberlain Ave	TCLP	Nickel	27.5	J	8.50	200	ug/L
P4258-04	Chamberlain Ave	TCLP	Zinc	2260		17.5	200	ug/L

SAMPLE DATA

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Report of Analysis

Client:	Roman E&G Corp	Date Collected:	10/01/24
Project:	Perth Amboy	Date Received:	10/01/24
Client Sample ID:	Chamberlain Ave	SDG No.:	P4258
Lab Sample ID:	P4258-04	Matrix:	TCLP
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-38-2	Arsenic	34.8	U	1	34.8	100	ug/L	10/03/24 13:30	10/04/24 12:06	SW6010	SW3050
7440-39-3	Barium	4420		1	62.8	500	ug/L	10/03/24 13:30	10/04/24 12:06	SW6010	SW3050
7440-43-9	Cadmium	2.16	J	1	0.94	30.0	ug/L	10/03/24 13:30	10/04/24 12:06	SW6010	SW3050
7440-47-3	Chromium	15.7	J	1	6.60	50.0	ug/L	10/03/24 13:30	10/04/24 12:06	SW6010	SW3050
7440-50-8	Copper	217		1	70.7	100	ug/L	10/03/24 13:30	10/04/24 12:06	SW6010	SW3050
7439-92-1	Lead	170		1	35.1	60.0	ug/L	10/03/24 13:30	10/04/24 12:06	SW6010	SW3050
7439-97-6	Mercury	1.68	J	1	0.81	2.00	ug/L	10/03/24 12:20	10/04/24 11:28	SW7470A	
7440-02-0	Nickel	27.5	J	1	8.50	200	ug/L	10/03/24 13:30	10/04/24 12:06	SW6010	SW3050
7782-49-2	Selenium	58.8	U	1	58.8	100	ug/L	10/03/24 13:30	10/04/24 12:06	SW6010	SW3050
7440-22-4	Silver	5.80	U	1	5.80	50.0	ug/L	10/03/24 13:30	10/04/24 12:06	SW6010	SW3050
7440-66-6	Zinc	2260		1	17.5	200	ug/L	10/03/24 13:30	10/04/24 12:06	SW6010	SW3050

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	GROWS Soil-Waste Class				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Roman E&G Corp **SDG No.:** P4258

Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB24	Mercury	0.20	+/-0.20	U	0.20	CV	10/04/2024	10:59	LB132761

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Roman E&G Corp **SDG No.:** P4258

Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB71	Mercury	0.20	+/-0.20	U	0.20	CV	10/04/2024	11:04	LB132761
CCB72	Mercury	0.20	+/-0.20	U	0.20	CV	10/04/2024	11:38	LB132761
CCB73	Mercury	0.20	+/-0.20	U	0.20	CV	10/04/2024	12:04	LB132761

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Roman E&G Corp **SDG No.:** P4258

Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Arsenic	20.0	+/-20.0	U	20.0	P	10/04/2024	11:06	LB132811
	Barium	100	+/-100	U	100	P	10/04/2024	11:06	LB132811
	Cadmium	6.00	+/-6.00	U	6.00	P	10/04/2024	11:06	LB132811
	Chromium	10.0	+/-10.0	U	10.0	P	10/04/2024	11:06	LB132811
	Copper	20.0	+/-20.0	U	20.0	P	10/04/2024	11:06	LB132811
	Lead	12.0	+/-12.0	U	12.0	P	10/04/2024	11:06	LB132811
	Nickel	40.0	+/-40.0	U	40.0	P	10/04/2024	11:06	LB132811
	Selenium	20.0	+/-20.0	U	20.0	P	10/04/2024	11:06	LB132811
	Silver	10.0	+/-10.0	U	10.0	P	10/04/2024	11:06	LB132811
	Zinc	40.0	+/-40.0	U	40.0	P	10/04/2024	11:06	LB132811

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Roman E&G Corp **SDG No.:** P4258

Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Arsenic	20.0	+/-20.0	U	20.0	P	10/04/2024	11:43	LB132811
	Barium	100	+/-100	U	100	P	10/04/2024	11:43	LB132811
	Cadmium	6.00	+/-6.00	U	6.00	P	10/04/2024	11:43	LB132811
	Chromium	10.0	+/-10.0	U	10.0	P	10/04/2024	11:43	LB132811
	Copper	20.0	+/-20.0	U	20.0	P	10/04/2024	11:43	LB132811
	Lead	12.0	+/-12.0	U	12.0	P	10/04/2024	11:43	LB132811
	Nickel	40.0	+/-40.0	U	40.0	P	10/04/2024	11:43	LB132811
	Selenium	20.0	+/-20.0	U	20.0	P	10/04/2024	11:43	LB132811
	Silver	10.0	+/-10.0	U	10.0	P	10/04/2024	11:43	LB132811
	Zinc	40.0	+/-40.0	U	40.0	P	10/04/2024	11:43	LB132811
CCB02	Arsenic	20.0	+/-20.0	U	20.0	P	10/04/2024	12:37	LB132811
	Barium	100	+/-100	U	100	P	10/04/2024	12:37	LB132811
	Cadmium	6.00	+/-6.00	U	6.00	P	10/04/2024	12:37	LB132811
	Chromium	10.0	+/-10.0	U	10.0	P	10/04/2024	12:37	LB132811
	Copper	20.0	+/-20.0	U	20.0	P	10/04/2024	12:37	LB132811
	Lead	12.0	+/-12.0	U	12.0	P	10/04/2024	12:37	LB132811
	Nickel	40.0	+/-40.0	U	40.0	P	10/04/2024	12:37	LB132811
	Selenium	20.0	+/-20.0	U	20.0	P	10/04/2024	12:37	LB132811
	Silver	10.0	+/-10.0	U	10.0	P	10/04/2024	12:37	LB132811
	Zinc	40.0	+/-40.0	U	40.0	P	10/04/2024	12:37	LB132811
CCB03	Arsenic	20.0	+/-20.0	U	20.0	P	10/04/2024	13:51	LB132811
	Barium	100	+/-100	U	100	P	10/04/2024	13:51	LB132811
	Cadmium	6.00	+/-6.00	U	6.00	P	10/04/2024	13:51	LB132811
	Chromium	10.0	+/-10.0	U	10.0	P	10/04/2024	13:51	LB132811
	Copper	20.0	+/-20.0	U	20.0	P	10/04/2024	13:51	LB132811
	Lead	12.0	+/-12.0	U	12.0	P	10/04/2024	13:51	LB132811
	Nickel	40.0	+/-40.0	U	40.0	P	10/04/2024	13:51	LB132811
	Selenium	20.0	+/-20.0	U	20.0	P	10/04/2024	13:51	LB132811
	Silver	10.0	+/-10.0	U	10.0	P	10/04/2024	13:51	LB132811
	Zinc	40.0	+/-40.0	U	40.0	P	10/04/2024	13:51	LB132811
CCB04	Arsenic	20.0	+/-20.0	U	20.0	P	10/04/2024	15:05	LB132811
	Barium	100	+/-100	U	100	P	10/04/2024	15:05	LB132811
	Cadmium	6.00	+/-6.00	U	6.00	P	10/04/2024	15:05	LB132811
	Chromium	10.0	+/-10.0	U	10.0	P	10/04/2024	15:05	LB132811
	Copper	20.0	+/-20.0	U	20.0	P	10/04/2024	15:05	LB132811
	Lead	12.0	+/-12.0	U	12.0	P	10/04/2024	15:05	LB132811
	Nickel	40.0	+/-40.0	U	40.0	P	10/04/2024	15:05	LB132811
	Selenium	20.0	+/-20.0	U	20.0	P	10/04/2024	15:05	LB132811
	Silver	10.0	+/-10.0	U	10.0	P	10/04/2024	15:05	LB132811

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Roman E&G Corp **SDG No.:** P4258

Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Zinc	40.0	+/-40.0	U	40.0	P	10/04/2024	15:05	LB132811
CCB05	Arsenic	20.0	+/-20.0	U	20.0	P	10/04/2024	16:12	LB132811
	Barium	100	+/-100	U	100	P	10/04/2024	16:12	LB132811
	Cadmium	6.00	+/-6.00	U	6.00	P	10/04/2024	16:12	LB132811
	Chromium	10.0	+/-10.0	U	10.0	P	10/04/2024	16:12	LB132811
	Copper	20.0	+/-20.0	U	20.0	P	10/04/2024	16:12	LB132811
	Lead	12.0	+/-12.0	U	12.0	P	10/04/2024	16:12	LB132811
	Nickel	40.0	+/-40.0	U	40.0	P	10/04/2024	16:12	LB132811
	Selenium	20.0	+/-20.0	U	20.0	P	10/04/2024	16:12	LB132811
	Silver	10.0	+/-10.0	U	10.0	P	10/04/2024	16:12	LB132811
	Zinc	40.0	+/-40.0	U	40.0	P	10/04/2024	16:12	LB132811
CCB06	Arsenic	20.0	+/-20.0	U	20.0	P	10/04/2024	16:31	LB132811
	Barium	100	+/-100	U	100	P	10/04/2024	16:31	LB132811
	Cadmium	6.00	+/-6.00	U	6.00	P	10/04/2024	16:31	LB132811
	Chromium	10.0	+/-10.0	U	10.0	P	10/04/2024	16:31	LB132811
	Copper	20.0	+/-20.0	U	20.0	P	10/04/2024	16:31	LB132811
	Lead	12.0	+/-12.0	U	12.0	P	10/04/2024	16:31	LB132811
	Nickel	40.0	+/-40.0	U	40.0	P	10/04/2024	16:31	LB132811
	Selenium	20.0	+/-20.0	U	20.0	P	10/04/2024	16:31	LB132811
	Silver	10.0	+/-10.0	U	10.0	P	10/04/2024	16:31	LB132811
	Zinc	40.0	+/-40.0	U	40.0	P	10/04/2024	16:31	LB132811

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Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Roman E&G Corp **SDG No.:** P4258

Instrument: CV1

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB163851TB		**WATER**		**Batch Number:**	**PB163879**		**Prep Date:**	**10/03/2024**	
	Mercury	2.00	<2.00	U	2.00	CV	10/04/2024	11:55	LB132761

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB163879BL		**WATER**		**Batch Number:**	**PB163879**		**Prep Date:**	**10/03/2024**	
	Mercury	0.20	<0.20	U	0.20	CV	10/04/2024	11:13	LB132761

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Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Roman E&G Corp **SDG No.:** P4258

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB163851TB		**WATER**		**Batch Number:**	**PB163885**		**Prep Date:**	**10/03/2024**	
	Arsenic	100	<100	U	100	P	10/04/2024	13:43	LB132811
	Barium	500	<500	U	500	P	10/04/2024	13:43	LB132811
	Cadmium	30.0	<30.0	U	30.0	P	10/04/2024	13:43	LB132811
	Chromium	12.6	<50.0	J	50.0	P	10/04/2024	13:43	LB132811
	Copper	100	<100	U	100	P	10/04/2024	13:43	LB132811
	Lead	60.0	<60.0	U	60.0	P	10/04/2024	13:43	LB132811
	Nickel	200	<200	U	200	P	10/04/2024	13:43	LB132811
	Selenium	100	<100	U	100	P	10/04/2024	13:43	LB132811
	Silver	50.0	<50.0	U	50.0	P	10/04/2024	13:43	LB132811
	Zinc	200	<200	U	200	P	10/04/2024	13:43	LB132811

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB163885BL		**WATER**		**Batch Number:**	**PB163885**		**Prep Date:**	**10/03/2024**	
	Arsenic	100	<100	U	100	P	10/04/2024	13:32	LB132811
	Barium	500	<500	U	500	P	10/04/2024	13:32	LB132811
	Cadmium	30.0	<30.0	U	30.0	P	10/04/2024	13:32	LB132811
	Chromium	50.0	<50.0	U	50.0	P	10/04/2024	13:32	LB132811
	Copper	100	<100	U	100	P	10/04/2024	13:32	LB132811
	Lead	60.0	<60.0	U	60.0	P	10/04/2024	13:32	LB132811
	Nickel	200	<200	U	200	P	10/04/2024	13:32	LB132811
	Selenium	100	<100	U	100	P	10/04/2024	13:32	LB132811
	Silver	50.0	<50.0	U	50.0	P	10/04/2024	13:32	LB132811
	Zinc	200	<200	U	200	P	10/04/2024	13:32	LB132811

METAL CALIBRATION DATA

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Roman E&G Corp **SDG No.:** P4258

Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV24	Mercury	4.01	4.0	100	90 - 110	CV	10/04/2024	10:55	LB132761

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Roman E&G Corp **SDG No.:** P4258

Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV71	Mercury	4.97	5.0	99	90 - 110	CV	10/04/2024	11:02	LB132761
CCV72	Mercury	5.36	5.0	107	90 - 110	CV	10/04/2024	11:35	LB132761
CCV73	Mercury	5.47	5.0	109	90 - 110	CV	10/04/2024	12:01	LB132761

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Roman E&G Corp **SDG No.:** P4258

Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Arsenic	984	1000	98	90 - 110	P	10/04/2024	10:45	LB132811
	Barium	527	520	101	90 - 110	P	10/04/2024	10:45	LB132811
	Cadmium	498	510	98	90 - 110	P	10/04/2024	10:45	LB132811
	Chromium	531	520	102	90 - 110	P	10/04/2024	10:45	LB132811
	Copper	542	510	106	90 - 110	P	10/04/2024	10:45	LB132811
	Lead	996	1000	100	90 - 110	P	10/04/2024	10:45	LB132811
	Nickel	534	530	101	90 - 110	P	10/04/2024	10:45	LB132811
	Selenium	1020	1000	102	90 - 110	P	10/04/2024	10:45	LB132811
	Silver	259	250	103	90 - 110	P	10/04/2024	10:45	LB132811
	Zinc	1040	1000	104	90 - 110	P	10/04/2024	10:45	LB132811

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Roman E&G Corp **SDG No.:** P4258

Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Arsenic	22.0	20.0	110	80 - 120	P	10/04/2024	10:59	LB132811
	Barium	108	100	108	80 - 120	P	10/04/2024	10:59	LB132811
	Cadmium	6.37	6.0	106	80 - 120	P	10/04/2024	10:59	LB132811
	Chromium	11.2	10.0	112	80 - 120	P	10/04/2024	10:59	LB132811
	Copper	22.9	20.0	114	80 - 120	P	10/04/2024	10:59	LB132811
	Lead	13.0	12.0	108	80 - 120	P	10/04/2024	10:59	LB132811
	Nickel	41.0	40.0	103	80 - 120	P	10/04/2024	10:59	LB132811
	Selenium	21.1	20.0	105	80 - 120	P	10/04/2024	10:59	LB132811
	Silver	11.9	10.0	119	80 - 120	P	10/04/2024	10:59	LB132811
	Zinc	45.1	40.0	113	80 - 120	P	10/04/2024	10:59	LB132811

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Roman E&G Corp **SDG No.:** P4258

Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Arsenic	5250	5000	105	90 - 110	P	10/04/2024	11:39	LB132811
	Barium	10300	10000	103	90 - 110	P	10/04/2024	11:39	LB132811
	Cadmium	2590	2500	103	90 - 110	P	10/04/2024	11:39	LB132811
	Chromium	1010	1000	101	90 - 110	P	10/04/2024	11:39	LB132811
	Copper	1310	1250	105	90 - 110	P	10/04/2024	11:39	LB132811
	Lead	5170	5000	103	90 - 110	P	10/04/2024	11:39	LB132811
	Nickel	2590	2500	104	90 - 110	P	10/04/2024	11:39	LB132811
	Selenium	5290	5000	106	90 - 110	P	10/04/2024	11:39	LB132811
	Silver	1270	1250	102	90 - 110	P	10/04/2024	11:39	LB132811
	Zinc	2570	2500	103	90 - 110	P	10/04/2024	11:39	LB132811
CCV02	Arsenic	5210	5000	104	90 - 110	P	10/04/2024	12:33	LB132811
	Barium	10200	10000	102	90 - 110	P	10/04/2024	12:33	LB132811
	Cadmium	2520	2500	101	90 - 110	P	10/04/2024	12:33	LB132811
	Chromium	992	1000	99	90 - 110	P	10/04/2024	12:33	LB132811
	Copper	1310	1250	105	90 - 110	P	10/04/2024	12:33	LB132811
	Lead	5060	5000	101	90 - 110	P	10/04/2024	12:33	LB132811
	Nickel	2540	2500	102	90 - 110	P	10/04/2024	12:33	LB132811
	Selenium	5290	5000	106	90 - 110	P	10/04/2024	12:33	LB132811
	Silver	1280	1250	103	90 - 110	P	10/04/2024	12:33	LB132811
	Zinc	2560	2500	102	90 - 110	P	10/04/2024	12:33	LB132811
CCV03	Arsenic	5070	5000	101	90 - 110	P	10/04/2024	13:47	LB132811
	Barium	10200	10000	102	90 - 110	P	10/04/2024	13:47	LB132811
	Cadmium	2470	2500	99	90 - 110	P	10/04/2024	13:47	LB132811
	Chromium	991	1000	99	90 - 110	P	10/04/2024	13:47	LB132811
	Copper	1270	1250	102	90 - 110	P	10/04/2024	13:47	LB132811
	Lead	4940	5000	99	90 - 110	P	10/04/2024	13:47	LB132811
	Nickel	2480	2500	99	90 - 110	P	10/04/2024	13:47	LB132811
	Selenium	5130	5000	103	90 - 110	P	10/04/2024	13:47	LB132811
	Silver	1260	1250	101	90 - 110	P	10/04/2024	13:47	LB132811
	Zinc	2550	2500	102	90 - 110	P	10/04/2024	13:47	LB132811
CCV04	Arsenic	5320	5000	106	90 - 110	P	10/04/2024	15:00	LB132811
	Barium	10800	10000	108	90 - 110	P	10/04/2024	15:00	LB132811
	Cadmium	2570	2500	103	90 - 110	P	10/04/2024	15:00	LB132811
	Chromium	1040	1000	104	90 - 110	P	10/04/2024	15:00	LB132811

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Roman E&G Corp **SDG No.:** P4258

Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV04	Copper	1340	1250	107	90 - 110	P	10/04/2024	15:00	LB132811
	Lead	5170	5000	103	90 - 110	P	10/04/2024	15:00	LB132811
	Nickel	2600	2500	104	90 - 110	P	10/04/2024	15:00	LB132811
	Selenium	5400	5000	108	90 - 110	P	10/04/2024	15:00	LB132811
	Silver	1340	1250	107	90 - 110	P	10/04/2024	15:00	LB132811
	Zinc	2690	2500	108	90 - 110	P	10/04/2024	15:00	LB132811
CCV05	Arsenic	5190	5000	104	90 - 110	P	10/04/2024	16:08	LB132811
	Barium	10300	10000	103	90 - 110	P	10/04/2024	16:08	LB132811
	Cadmium	2480	2500	99	90 - 110	P	10/04/2024	16:08	LB132811
	Chromium	990	1000	99	90 - 110	P	10/04/2024	16:08	LB132811
	Copper	1300	1250	104	90 - 110	P	10/04/2024	16:08	LB132811
	Lead	5000	5000	100	90 - 110	P	10/04/2024	16:08	LB132811
	Nickel	2510	2500	101	90 - 110	P	10/04/2024	16:08	LB132811
	Selenium	5350	5000	107	90 - 110	P	10/04/2024	16:08	LB132811
	Silver	1300	1250	104	90 - 110	P	10/04/2024	16:08	LB132811
	Zinc	2630	2500	105	90 - 110	P	10/04/2024	16:08	LB132811
CCV06	Arsenic	5000	5000	100	90 - 110	P	10/04/2024	16:27	LB132811
	Barium	9610	10000	96	90 - 110	P	10/04/2024	16:27	LB132811
	Cadmium	2380	2500	95	90 - 110	P	10/04/2024	16:27	LB132811
	Chromium	916	1000	92	90 - 110	P	10/04/2024	16:27	LB132811
	Copper	1250	1250	100	90 - 110	P	10/04/2024	16:27	LB132811
	Lead	4790	5000	96	90 - 110	P	10/04/2024	16:27	LB132811
	Nickel	2410	2500	96	90 - 110	P	10/04/2024	16:27	LB132811
	Selenium	5160	5000	103	90 - 110	P	10/04/2024	16:27	LB132811
	Silver	1200	1250	96	90 - 110	P	10/04/2024	16:27	LB132811
	Zinc	2440	2500	98	90 - 110	P	10/04/2024	16:27	LB132811

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Metals

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CRDL STANDARD FOR AA & ICP

Client: Roman E&G Corp **SDG No.:** P4258

Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258

Initial Calibration Source:

Continuing Calibration Source:

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRA	Mercury	0.24	0.2	119	40 - 160	CV	10/04/2024	11:06	LB132761
CRI01	Arsenic	22.1	20.0	110	40 - 160	P	10/04/2024	11:21	LB132811
	Barium	106	100	106	40 - 160	P	10/04/2024	11:21	LB132811
	Cadmium	6.50	6.0	108	40 - 160	P	10/04/2024	11:21	LB132811
	Chromium	11.1	10.0	111	40 - 160	P	10/04/2024	11:21	LB132811
	Copper	22.9	20.0	115	40 - 160	P	10/04/2024	11:21	LB132811
	Lead	15.1	12.0	126	40 - 160	P	10/04/2024	11:21	LB132811
	Nickel	41.2	40.0	103	40 - 160	P	10/04/2024	11:21	LB132811
	Selenium	19.7	20.0	98	40 - 160	P	10/04/2024	11:21	LB132811
	Silver	12.8	10.0	128	40 - 160	P	10/04/2024	11:21	LB132811
	Zinc	44.6	40.0	112	40 - 160	P	10/04/2024	11:21	LB132811

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Metals
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INTERFERENCE CHECK SAMPLE

Client: Roman E&G Corp **SDG No.:** P4258

Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258

ICS Source: EPA **Instrument ID:** P4

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSA01	Arsenic	-2.14			-20	20	10/04/2024	11:28	LB132811
	Barium	4.37	6.0	73	-94	106	10/04/2024	11:28	LB132811
	Cadmium	3.58	1.0	358	-5	7	10/04/2024	11:28	LB132811
	Chromium	54.2	52.0	104	42	62	10/04/2024	11:28	LB132811
	Copper	-2.85	2.0	142	-18	22	10/04/2024	11:28	LB132811
	Lead	10.9			-12	12	10/04/2024	11:28	LB132811
	Nickel	3.33	2.0	166	-38	42	10/04/2024	11:28	LB132811
	Selenium	-9.22			-20	20	10/04/2024	11:28	LB132811
	Silver	-6.15			-10	10	10/04/2024	11:28	LB132811
	Zinc	3.70			-40	40	10/04/2024	11:28	LB132811
ICSAB01	Arsenic	103	104	99	88.4	120	10/04/2024	11:34	LB132811
	Barium	540	537	101	437	637	10/04/2024	11:34	LB132811
	Cadmium	977	972	100	826	1120	10/04/2024	11:34	LB132811
	Chromium	566	542	104	460	624	10/04/2024	11:34	LB132811
	Copper	509	511	100	434	588	10/04/2024	11:34	LB132811
	Lead	59.5	49.0	121	37	61	10/04/2024	11:34	LB132811
	Nickel	1030	954	108	810	1100	10/04/2024	11:34	LB132811
	Selenium	41.7	46.0	91	26	66	10/04/2024	11:34	LB132811
	Silver	221	201	110	170	232	10/04/2024	11:34	LB132811
	Zinc	885	952	93	809	1095	10/04/2024	11:34	LB132811

METAL QC DATA

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metals
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MATRIX SPIKE SUMMARY

client: Roman E&G Corp **level:** low **sdg no.:** P4258

contract: ROMA02 **lab code:** CHEM **case no.:** P4258 **sas no.:** P4258

matrix: Water **sample id:** P4276-02 **client id:** VNJ-208MS

Percent Solids for Sample: NA **Spiked ID:** P4276-02MS **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Arsenic	ug/L	75 - 125	4140		100	U	4000	104		P
Barium	ug/L	75 - 125	5600		4480		1000	112		P
Cadmium	ug/L	75 - 125	971		5.48	J	1000	97		P
Chromium	ug/L	75 - 125	2040		16.2	J	2000	101		P
Copper	ug/L	75 - 125	1650		125		1500	102		P
Lead	ug/L	75 - 125	4650		60.0	U	5000	93		P
Mercury	ug/L	75 - 125	44.4		2.00	U	40.0	111		CV
Nickel	ug/L	75 - 125	2580		22.9	J	2500	102		P
Selenium	ug/L	75 - 125	10500		100	U	10000	105		P
Silver	ug/L	75 - 125	415		50.0	U	380	109		P
Zinc	ug/L	75 - 125	2330		1230		1000	110		P

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metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: Roman E&G Corp **level:** low **sdg no.:** P4258

contract: ROMA02 **lab code:** CHEM **case no.:** P4258 **sas no.:** P4258

matrix: Water **sample id:** P4276-02 **client id:** VNJ-208MSD

Percent Solids for Sample: NA **Spiked ID:** P4276-02MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Arsenic	ug/L	75 - 125	4080		100	U	4000	102		P
Barium	ug/L	75 - 125	5500		4480		1000	102		P
Cadmium	ug/L	75 - 125	947		5.48	J	1000	94		P
Chromium	ug/L	75 - 125	2020		16.2	J	2000	100		P
Copper	ug/L	75 - 125	1600		125		1500	98		P
Lead	ug/L	75 - 125	4540		60.0	U	5000	91		P
Mercury	ug/L	75 - 125	43.7		2.00	U	40.0	109		CV
Nickel	ug/L	75 - 125	2520		22.9	J	2500	100		P
Selenium	ug/L	75 - 125	10400		100	U	10000	104		P
Silver	ug/L	75 - 125	418		50.0	U	380	110		P
Zinc	ug/L	75 - 125	2340		1230		1000	111		P

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Metals
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Client: Roman E&G Corp **SDG No.:** P4258

Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258

Matrix: **Level:** LOW **Client ID:**

Sample ID: **Spiked ID:**

Analyte	Units	Acceptance Limit %R	C	Sample Result	C	Spike Added	% Recovery	Qual	M

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: Roman E&G Corp **Level:** LOW **SDG No.:** P4258

Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258

Matrix: Water **Sample ID:** P4276-02 **Client ID:** VNJ-208DUP

Percent Solids for Sample: NA **Duplicate ID** P4276-02DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Arsenic	ug/L	20	100	U	100	U			P
Barium	ug/L	20	4480		4430		1		P
Cadmium	ug/L	20	5.48	J	5.39	J	2		P
Chromium	ug/L	20	16.2	J	16.0	J	1		P
Copper	ug/L	20	125		121		3		P
Lead	ug/L	20	60.0	U	60.0	U			P
Mercury	ug/L	20	2.00	U	0.88	J	200.0		CV
Nickel	ug/L	20	22.9	J	22.2	J	3		P
Selenium	ug/L	20	100	U	100	U			P
Silver	ug/L	20	50.0	U	50.0	U			P
Zinc	ug/L	20	1230		1220		1		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: Roman E&G Corp **Level:** LOW **SDG No.:** P4258

Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258

Matrix: Water **Sample ID:** P4276-02MS **Client ID:** VNJ-208MSD

Percent Solids for Sample: NA **Duplicate ID** P4276-02MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Arsenic	ug/L	20	4140		4080		1		P
Barium	ug/L	20	5600		5500		2		P
Cadmium	ug/L	20	971		947		3		P
Chromium	ug/L	20	2040		2020		1		P
Copper	ug/L	20	1650		1600		3		P
Lead	ug/L	20	4650		4540		2		P
Mercury	ug/L	20	44.4		43.7		2		CV
Nickel	ug/L	20	2580		2520		2		P
Selenium	ug/L	20	10500		10400		1		P
Silver	ug/L	20	415		418		1		P
Zinc	ug/L	20	2330		2340		0		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

LABORATORY CONTROL SAMPLE SUMMARY

Client: Roman E&G Corp **SDG No.:** P4258

Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB163879BS							
Mercury	ug/L	4.0	4.07		102	80 - 120	CV

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Metals

LABORATORY CONTROL SAMPLE SUMMARY

Client: Roman E&G Corp **SDG No.:** P4258

Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB163885BS							
Arsenic	ug/L	4000	4020		100	80 - 120	P
Barium	ug/L	1000	1080		108	80 - 120	P
Cadmium	ug/L	1000	986		99	80 - 120	P
Chromium	ug/L	2000	2100		105	80 - 120	P
Copper	ug/L	1500	1680		112	80 - 120	P
Lead	ug/L	5000	5000		100	80 - 120	P
Nickel	ug/L	2500	2670		107	80 - 120	P
Selenium	ug/L	10000	10200		102	80 - 120	P
Silver	ug/L	380	405		107	80 - 120	P
Zinc	ug/L	1000	1110		111	80 - 120	P

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Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

VNJ-208L

Lab Name: Chemtech Consulting Group **Contract:** ROMA02

Lab Code: CHEM **Lb No.:** lb132811 **Lab Sample ID :** P4276-02L **SDG No.:** P4258

Matrix (soil/water): Water **Level (low/med):** LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Arsenic	100	U	500	U			P
Barium	4480		4140		8		P
Cadmium	5.48	J	5.84	J	7		P
Chromium	16.2	J	250	U	100.0		P
Copper	125		500	U	100.0		P
Lead	60.0	U	300	U			P
Mercury	2.00	U	10.0	U			CV
Nickel	22.9	J	1000	U	100.0		P
Selenium	100	U	500	U			P
Silver	50.0	U	250	U			P
Zinc	1230		1140		7		P

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metals
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ANALYSIS RUN LOG

Client: Roman E&G Corp **Contract:** ROMA02

Lab code: CHEM **Case no.:** P4258 **Sas no.:** P4258 **Sdg no.:** P4258

Instrument id number: **Method:** **Run number:** LB132761

Start date: 10/04/2024 **End date:** 10/04/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1034	HG
S0.2	S0.2	1	1036	HG
S2.5	S2.5	1	1039	HG
S5	S5	1	1041	HG
S7.5	S7.5	1	1043	HG
S10	S10	1	1052	HG
ICV24	ICV24	1	1055	HG
ICB24	ICB24	1	1059	HG
CCV71	CCV71	1	1102	HG
CCB71	CCB71	1	1104	HG
CRA	CRA	1	1106	HG
PB163879BL	PB163879BL	1	1113	HG
PB163879BS	PB163879BS	1	1118	HG
P4258-04	Chamberlain Ave	1	1128	HG
CCV72	CCV72	1	1135	HG
CCB72	CCB72	1	1138	HG
P4276-02DUP	VNJ-208DUP	1	1146	HG
P4276-02MS	VNJ-208MS	1	1148	HG
P4276-02MSD	VNJ-208MSD	1	1150	HG
PB163851TB	PB163851TB	1	1155	HG
P4276-02L	VNJ-208L	5	1157	HG
CCV73	CCV73	1	1201	HG
CCB73	CCB73	1	1204	HG

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metals
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ANALYSIS RUN LOG

Client: Roman E&G Corp **Contract:** ROMA02

Lab code: CHEM **Case no.:** P4258 **Sas no.:** P4258 **Sdg no.:** P4258

Instrument id number: **Method:** **Run number:** LB132811

Start date: 10/04/2024 **End date:** 10/04/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1020	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
S1	S1	1	1024	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
S2	S2	1	1028	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
S3	S3	1	1033	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
S4	S4	1	1037	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
S5	S5	1	1041	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
ICV01	ICV01	1	1045	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
LLICV01	LLICV01	1	1059	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
ICB01	ICB01	1	1106	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CRI01	CRI01	1	1121	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
ICSA01	ICSA01	1	1128	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
ICSAB01	ICSAB01	1	1134	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV01	CCV01	1	1139	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCB01	CCB01	1	1143	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
P4258-04	Chamberlain Ave	1	1206	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
P4276-02DUP	VNJ-208DUP	1	1220	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV02	CCV02	1	1233	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCB02	CCB02	1	1237	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
P4276-02L	VNJ-208L	5	1309	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
P4276-02MS	VNJ-208MS	1	1313	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
P4276-02MSD	VNJ-208MSD	1	1317	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
PB163885BL	PB163885BL	1	1332	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
PB163885BS	PB163885BS	1	1336	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
PB163851TB	PB163851TB	1	1343	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV03	CCV03	1	1347	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCB03	CCB03	1	1351	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV04	CCV04	1	1500	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCB04	CCB04	1	1505	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV05	CCV05	1	1608	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCB05	CCB05	1	1612	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV06	CCV06	1	1627	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCB06	CCB06	1	1631	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn

METAL PREPARATION & INSTRUMENT DATA

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: Roman E&G Corp **SDG No.:** P4258

Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Al	Ca	Fe	Mg	Ag
Arsenic	193.759	0.0000000	0.0000000	-0.0000440	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000930	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0007850	0.0000000	0.0000000
Lead	220.353	-0.0000920	0.0000000	0.0000380	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	-0.0001440	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	-0.0001490	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0001050	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: Roman E&G Corp **SDG No.:** P4258

Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: As	Ba	Be	Cd	Co
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0002870
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0000000	0.0009530
Lead	220.353	0.0000000	0.0003170	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	-0.0003570
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: Roman E&G Corp **SDG No.:** P4258

Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Cr	Cu	K	Mn	Mo
Arsenic	193.759	-0.0029000	0.0000000	0.0000000	0.0000000	0.0004900
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000070	0.0002200	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0006510	0.0020500
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0001400	-0.0008600
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0007460	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000120
Zinc	213.800	0.0000000	0.0009010	0.0000000	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: Roman E&G Corp **SDG No.:** P4258

Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Na	Ni	Pb	Sb	Se
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	-0.0047000	0.0036100	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0006580	0.0000000	0.0000000	0.0001290
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0003330	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0067600	0.0000000	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: Roman E&G Corp **SDG No.:** P4258

Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Sn	Ti	Tl	V	Zn
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000630	0.0001280	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0001110	0.0000000
Copper	224.700	0.0000000	0.0003840	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	-0.0003610	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	-0.0007420	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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LAB CHRONICLE

OrderID:	P4258	**OrderDate:**	10/1/2024 1:21:00 PM
Client:	Roman E&G Corp	**Project:**	Perth Amboy
Contact:	Mark Mattheiss	**Location:**	H11,H51,K11,K21

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4258-03	**Chamberlain Ave**	**SOIL**			**10/01/24**			**10/01/24**
			Mercury	7471B		10/11/24	10/14/24	
			Metals ICP-TAL	6010D		10/11/24	10/14/24	
P4258-04	**Chamberlain Ave**	**TCLP**			**10/01/24**			**10/01/24**
			TCLP Mercury	7470A		10/03/24	10/04/24	
			TCLP Metals + Cu+Ni+Zn	6010D		10/03/24	10/04/24	

METAL PREPARATION & ANALYICAL SUMMARY

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Metals
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SAMPLE PREPARATION SUMMARY

Client: Roman E&G Corp **SDG No.:** P4258

Contract: ROMA02 **Lab Code:** CHEM **Method:**

Case No.: P4258 **SAS No.:** P4258

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB163879**						
P4258-04	Chamberlain Ave	SAM	WATER	10/03/2024	3.0	30.0	
P4276-02DUP	VNJ-208DUP	DUP	WATER	10/03/2024	3.0	30.0	
P4276-02MS	VNJ-208MS	MS	WATER	10/03/2024	3.0	30.0	
P4276-02MSD	VNJ-208MSD	MSD	WATER	10/03/2024	3.0	30.0	
PB163851TB	PB163851TB	MB	WATER	10/03/2024	3.0	30.0	
PB163879BL	PB163879BL	MB	WATER	10/03/2024	30.0	30.0	
PB163879BS	PB163879BS	LCS	WATER	10/03/2024	30.0	30.0	

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Metals
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SAMPLE PREPARATION SUMMARY

Client: Roman E&G Corp **SDG No.:** P4258

Contract: ROMA02 **Lab Code:** CHEM **Method:**

Case No.: P4258 **SAS No.:** P4258

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB163885**						
P4258-04	Chamberlain Ave	SAM	WATER	10/03/2024	5.0	25.0	
P4276-02DUP	VNJ-208DUP	DUP	WATER	10/03/2024	5.0	25.0	
P4276-02MS	VNJ-208MS	MS	WATER	10/03/2024	5.0	25.0	
P4276-02MSD	VNJ-208MSD	MSD	WATER	10/03/2024	5.0	25.0	
PB163851TB	PB163851TB	MB	WATER	10/03/2024	5.0	25.0	
PB163885BL	PB163885BL	MB	WATER	10/03/2024	5.0	25.0	
PB163885BS	PB163885BS	LCS	WATER	10/03/2024	5.0	25.0	

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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB132761

Review By	jaswal	Review On	10/4/2024 9:37:00 PM
Supervise By	mohan	Supervise On	10/4/2024 9:37:52 PM

STD. NAME	STD REF.#
ICAL Standard	MP82656,MP82657,MP82658,MP82659,MP82660,MP82661
ICV Standard	MP82662
CCV Standard	MP82665
ICSA Standard	
CRI Standard	MP82693
LCS Standard	
Chk Standard	MP82663,MP82666,MP82674,MP82691

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	10/04/24 10:34		Mohan	OK
2	S0.2	S0.2	CAL2	10/04/24 10:36		Mohan	OK
3	S2.5	S2.5	CAL3	10/04/24 10:39		Mohan	OK
4	S5	S5	CAL4	10/04/24 10:41		Mohan	OK
5	S7.5	S7.5	CAL5	10/04/24 10:43		Mohan	OK
6	S10	S10	CAL6	10/04/24 10:52		Mohan	OK
7	ICV24	ICV24	ICV	10/04/24 10:55		Mohan	OK
8	ICB24	ICB24	ICB	10/04/24 10:59		Mohan	OK
9	CCV71	CCV71	CCV	10/04/24 11:02		Mohan	OK
10	CCB71	CCB71	CCB	10/04/24 11:04		Mohan	OK
11	CRA	CRA	CRDL	10/04/24 11:06		Mohan	OK
12	HighStd	HighStd	HIGH STD	10/04/24 11:09		Mohan	OK
13	ChkStd	ChkStd	SAM	10/04/24 11:11		Mohan	OK
14	PB163879BL	PB163879BL	MB	10/04/24 11:13		Mohan	OK
15	PB163879BS	PB163879BS	LCS	10/04/24 11:18		Mohan	OK
16	P4242-04	TP-Q	SAM	10/04/24 11:20		Mohan	OK
17	P4254-04	MH-147-SLUDGE	SAM	10/04/24 11:26		Mohan	OK
18	P4258-04	Chamberlain Ave	SAM	10/04/24 11:28		Mohan	OK

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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB132761

Review By	jaswal	Review On	10/4/2024 9:37:00 PM
Supervise By	mohan	Supervise On	10/4/2024 9:37:52 PM

STD. NAME	STD REF.#
ICAL Standard	MP82656,MP82657,MP82658,MP82659,MP82660,MP82661
ICV Standard	MP82662
CCV Standard	MP82665
ICSA Standard	
CRI Standard	MP82693
LCS Standard	
Chk Standard	MP82663,MP82666,MP82674,MP82691

19	P4270-04	IB-2	SAM	10/04/24 11:31		Mohan	OK
20	P4276-02	VNJ-208	SAM	10/04/24 11:33		Mohan	OK
21	CCV72	CCV72	CCV	10/04/24 11:35		Mohan	OK
22	CCB72	CCB72	CCB	10/04/24 11:38		Mohan	OK
23	P4276-02DUP	VNJ-208DUP	DUP	10/04/24 11:46		Mohan	OK
24	P4276-02MS	VNJ-208MS	MS	10/04/24 11:48		Mohan	OK
25	P4276-02MSD	VNJ-208MSD	MSD	10/04/24 11:50		Mohan	OK
26	PB163851TB	PB163851TB	MB	10/04/24 11:55		Mohan	OK
27	P4276-02L	VNJ-208L	SD	10/04/24 11:57		Mohan	OK
28	P4276-02A	VNJ-208A	PS	10/04/24 11:59		Mohan	OK
29	CCV73	CCV73	CCV	10/04/24 12:01		Mohan	OK
30	CCB73	CCB73	CCB	10/04/24 12:04		Mohan	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB132811

Review By	kareem	Review On	10/7/2024 6:28:26 PM
Supervise By	jaswal	Supervise On	10/7/2024 11:32:57 PM

STD. NAME	STD REF.#
ICAL Standard	MP82441,MP82476,MP82477,MP82478,MP82479,MP82712
ICV Standard	MP82485
CCV Standard	MP82488
ICSA Standard	MP82486,MP82487
CRI Standard	MP82712
LCS Standard	
Chk Standard	MP82491,MP82492

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	10/04/24 10:20		Kareem	OK
2	S1	S1	CAL2	10/04/24 10:24		Kareem	OK
3	S2	S2	CAL3	10/04/24 10:28		Kareem	OK
4	S3	S3	CAL4	10/04/24 10:33		Kareem	OK
5	S4	S4	CAL5	10/04/24 10:37		Kareem	OK
6	S5	S5	CAL6	10/04/24 10:41		Kareem	OK
7	ICV01	ICV01	ICV	10/04/24 10:45		Kareem	OK
8	LLICV01	LLICV01	LLICV	10/04/24 10:59		Kareem	OK
9	ICB01	ICB01	ICB	10/04/24 11:06		Kareem	OK
10	CRI01	CRI01	CRDL	10/04/24 11:21		Kareem	OK
11	ICSA01	ICSA01	ICSA	10/04/24 11:28		Kareem	OK
12	ICSAB01	ICSAB01	ICSAB	10/04/24 11:34		Kareem	OK
13	CCV01	CCV01	CCV	10/04/24 11:39		Kareem	OK
14	CCB01	CCB01	CCB	10/04/24 11:43		Kareem	OK
15	LR1	LR1	HIGH STD	10/04/24 11:48		Kareem	OK
16	LR2	LR2	HIGH STD	10/04/24 11:53		Kareem	OK
17	P4242-04	TP-Q	SAM	10/04/24 11:58	Confirm	Kareem	OK
18	P4254-04	MH-147-SLUDGE	SAM	10/04/24 12:02		Kareem	OK

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

Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB132811

Review By	kareem	Review On	10/7/2024 6:28:26 PM
Supervise By	jaswal	Supervise On	10/7/2024 11:32:57 PM

STD. NAME	STD REF.#
ICAL Standard	MP82441,MP82476,MP82477,MP82478,MP82479,MP82712
ICV Standard	MP82485
CCV Standard	MP82488
ICSA Standard	MP82486,MP82487
CRI Standard	MP82712
LCS Standard	
Chk Standard	MP82491,MP82492

19	P4258-04	Chamberlain Ave	SAM	10/04/24 12:06		Kareem	OK
20	P4270-04	IB-2	SAM	10/04/24 12:11		Kareem	OK
21	P4276-02	VNJ-208	SAM	10/04/24 12:15		Kareem	OK
22	P4276-02DUP	VNJ-208DUP	DUP	10/04/24 12:20		Kareem	OK
23	CCV02	CCV02	CCV	10/04/24 12:33		Kareem	OK
24	CCB02	CCB02	CCB	10/04/24 12:37		Kareem	OK
25	P4276-02L	VNJ-208L	SD	10/04/24 13:09		Kareem	OK
26	P4276-02MS	VNJ-208MS	MS	10/04/24 13:13	0.1ML OF M6010 AND M6001 WERE ADDED TO 10ML OF SAMPLE	Kareem	OK
27	P4276-02MSD	VNJ-208MSD	MSD	10/04/24 13:17	0.1ML OF M6010 AND M6001 WERE ADDED TO 10ML OF SAMPLE	Kareem	OK
28	P4276-02A	VNJ-208A	PS	10/04/24 13:22	0.1ML OF M6010 AND M6001 WERE ADDED TO 10ML OF SAMPLE	Kareem	OK
29	PB163885BL	PB163885BL	MB	10/04/24 13:32		Kareem	OK
30	PB163885BS	PB163885BS	LCS	10/04/24 13:36	0.1ML OF M6010 AND M6001 WERE ADDED TO 10ML OF SAMPLE	Kareem	OK
31	PB163851TB	PB163851TB	MB	10/04/24 13:43		Kareem	OK
32	CCV03	CCV03	CCV	10/04/24 13:47		Kareem	OK
33	CCB03	CCB03	CCB	10/04/24 13:51		Kareem	OK
34	P4149-01	S2-1	SAM	10/04/24 14:40		Kareem	OK

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ICV Standard	MP82485
CCV Standard	MP82488
ICSA Standard	MP82486,MP82487
CRI Standard	MP82712
LCS Standard	
Chk Standard	MP82491,MP82492

35	P4149-02	S2-2	SAM	10/04/24 14:44		Kareem	OK
36	P4149-03	S2-3	SAM	10/04/24 14:48		Kareem	OK
37	P4149-04	S2-4	SAM	10/04/24 14:52		Kareem	OK
38	P4285-01	OILY-DEBRIS-DRUM	SAM	10/04/24 14:56		Kareem	OK
39	CCV04	CCV04	CCV	10/04/24 15:00		Kareem	OK
40	CCB04	CCB04	CCB	10/04/24 15:05		Kareem	OK
41	P4288-01	HR-02-100324	SAM	10/04/24 15:09		Kareem	OK
42	P4288-03	HR-03-100324	SAM	10/04/24 15:13		Kareem	OK
43	P4290-01	IB-4	SAM	10/04/24 15:17		Kareem	OK
44	P4290-01DUP	IB-4DUP	DUP	10/04/24 15:29		Kareem	OK
45	P4290-01L	IB-4L	SD	10/04/24 15:33		Kareem	OK
46	P4290-01MS	IB-4MS	MS	10/04/24 15:37	0.1ML OF M6010 AND M6001 WERE ADDED TO 10ML OF SAMPLE	Kareem	OK
47	P4290-01MSD	IB-4MSD	MSD	10/04/24 15:41	0.1ML OF M6010 AND M6001 WERE ADDED TO 10ML OF SAMPLE	Kareem	OK
48	P4290-01A	IB-4A	PS	10/04/24 15:45	0.1ML OF M6010 AND M6001 WERE ADDED TO 10ML OF SAMPLE	Kareem	OK
49	PB163906BS	PB163906BS	LCS	10/04/24 15:49	0.1ML OF M6010 AND M6001 WERE ADDED TO 10ML OF SAMPLE	Kareem	OK
50	PB163906BL	PB163906BL	MB	10/04/24 15:53		Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB132811

Review By	kareem	Review On	10/7/2024 6:28:26 PM
Supervise By	jaswal	Supervise On	10/7/2024 11:32:57 PM

STD. NAME	STD REF.#
ICAL Standard	MP82441,MP82476,MP82477,MP82478,MP82479,MP82712
ICV Standard	MP82485
CCV Standard	MP82488
ICSA Standard	MP82486,MP82487
CRI Standard	MP82712
LCS Standard	
Chk Standard	MP82491,MP82492

51	CCV05	CCV05	CCV	10/04/24 16:08		Kareem	OK
52	CCB05	CCB05	CCB	10/04/24 16:12		Kareem	OK
53	P4269-02	COMP	SAM	10/04/24 16:18		Kareem	OK
54	P4286-01	Water Treatment Disc	SAM	10/04/24 16:22		Kareem	OK
55	CCV06	CCV06	CCV	10/04/24 16:27		Kareem	OK
56	CCB06	CCB06	CCB	10/04/24 16:31		Kareem	OK

Alliance TECHNICAL GROUP

Water Mercury Preparation Sheet

PB163879

SOP ID : M7470A-Mercury-19

SDG No : NA

Matrix : WATER

Pippete ID: HG A

Balance ID : N/A

Filter paper ID : NA

pH Strip ID : M4909

Hood ID : #1

Block ID: 1. HG HOT BLOCK#3 2. N/A

Start Digest Date: 10/03/2024 **Time :** 12:20 **Temp :** 94 °C

End Digest Date: 10/03/2024 **Time :** 14:20 **Temp :** 95 °C

Digestion tube ID: M5595

Block thermometer ID: HG-DIG#3

Dig Technician Signature: MB

Supervisor Signature: JZ

Temp : 1. 94°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
ICV	30mL	MP82662
CCV	30mL	MP82665
CRA	30mL	MP82673
Blank Spike	0.48mL	MP82655
Matrix Spike	0.48mL	MP82655

Chemical Used	ML/SAMPLE USED	Lot Number
HNO3/H2SO4(1:2)	2.5mL	MP82651
KMnO4 (5%)	4.5mL	MP82652
K2S2O8 (5%)	2.5mL	MP82653
HNO3/H2SO4(1:2)	2.0mL	MP82654
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

LAB SAMPLE ID	CLIENT SAMPLE ID	Wt(g)/Vol(ml)	Comment
0.0 ppb	S0	30mL	MP82656
0.05 ppb	S0.05	N/A	N/A
0.2 ppb	S0.2	30mL	MP82657
2.5 ppb	S2.5	30mL	MP82658
5.0 ppb	S5.0	30mL	MP82659
7.5 ppb	S7.5	30mL	MP82660
10.0 ppb	S10.0	30mL	MP82661
ICV	ICV	30mL	MP82662
ICB	ICB	30mL	MP82663
CCV	CCV	30mL	MP82665
CCB	CCB	30mL	MP82666
CRI	CRI	30mL	MP82673
CHK STD	CHK STD	30mL	MP82674

Extraction Conformance/Non-Conformance Comments:

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/3/24 @ 15:10	MB · DIG · Lab	MB · Metal Lab
	Preparation Group	**Analysis Group**

Alliance TECHNICAL GROUP

Water Mercury Preparation Sheet

PB163879

Lab Sample ID	Client Sample ID	Initial Vol (ml)	Final Vol (ml)	pH	Comment	Prep Pos
P4242-04	TP-Q	3	30	<2	N/A	3-1
P4254-04	MH-147-SLUDGE	3	30	<2	N/A	2
P4258-04	CHAMBERLAIN AVE	3	30	<2	N/A	3
P4270-04	IB-2	3	30	<2	N/A	4
P4276-02	VNJ-208	3	30	<2	N/A	5
P4276-02DUP	VNJ-208DUP	3	30	<2	N/A	6
P4276-02MS	VNJ-208MS	3	30	<2	MP82655	7
P4276-02MSD	VNJ-208MSD	3	30	<2	MP82655	8
PB163851TB	PB163851TB	3	30	<2	N/A	9
PB163879BL	PBW879	30	30	<2	N/A	10
PB163879BS	LCS879	30	30	<2	MP82655	11

Alliance TECHNICAL GROUP

Water Metals Preparation Sheet

PB163885

SOP ID : M3010A-Digestion-17

SDG No : N/A

Matrix : WATER

Pippete ID: ICP A

Balance ID : N/A

Filter paper ID : N/A

pH Strip ID : M6069

Hood ID : #3

Block ID: 1. HOT BLOCK #1 2. N/A

Start Digest Date: 10/03/2024 **Time :** 13:30 **Temp :** 96 °C

End Digest Date: 10/03/2024 **Time :** 15:40 **Temp :** 96 °C

Digestion tube ID: M6054

Block thermometer ID: MET-DIG. #1

Dig Technician Signature: JPP

Supervisor Signature:

Temp : 1. 96°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
LFS-1	0.25	M6000
LFS-2	0.25	M6009
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Conc. HNO3	3.00	M6037
1:1 HCL	5.00	MP82127
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

HOT BLOCK #1 CELL #34 : 96 C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/3/24 15:45	JPP / Met digestion	
	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	pH	Initial Vol (ml)	Final Vol (ml)	Color Before	Color After	Clarity Before	Clarity After	Comment	Prep Pos
P4242-04	TP-Q	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	1
P4254-04	MH-147-SLUDGE	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	2
P4258-04	CHAMBERLAIN AVE	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	3
P4270-04	IB-2	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	4
P4276-02	VNJ-208	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	5
P4276-02DUP	VNJ-208DUP	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	6
P4276-02MS	VNJ-208MS	<2	5	25	Colorless	Colorless	Clear	Clear	M6000,M6009	7
P4276-02MSD	VNJ-208MSD	<2	5	25	Colorless	Colorless	Clear	Clear	M6000,M6009	8
PB163851TB	PB163851TB	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	9
PB163885BL	PBW885	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	10
PB163885BS	LCS885	<2	5	25	Colorless	Colorless	Clear	Clear	M6000,M6009	11

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB163851

SOP ID : M1311-TCLP-14

SDG No : N/A

Weigh By : JP

Balance ID : WC SC-4

pH Meter ID : WC PH METER-1

Extraction By : JP

Filter By : JP

Pippete ID : WC

Tumbler ID : T-1

TCLP Filter ID : 114771

Start Prep Date : 10/02/2024 **Time :** 17:35

End Prep Date : 10/03/2024 **Time :** 10:25

Combination Ratio : 20

ZHE Cleaning Batch : N/A

Initial Room Temperature: 23 °C

Final Room Temperature: 22 °C

TCLP Technician Signature : JP

Supervisor By : IZ

Standared Name	MLS USED	STD REF. # FROM LOG
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE U	Lot Number
TCLP-FLUID-1	N/A	WP108622
HCL-TCLP,1N	N/A	WP108584
HNO3-TCLP,1N	N/A	WP108585
pH Strips	N/A	W1931,W1934,W2350,W2755
pH Strips	N/A	W1937,W1938,W1939,W1940,W1941,W1942
1 Liter Amber	N/A	23091
120ml Plastic bottle	N/A	21029
1:1 HNO3	MP81119	N/A

Extraction Conformance/Non-Conformance Comments:

Matrix spikes are added after fiftation and before preservation. TUMBLER T-1 checked,30 rpm. p4276-02 is used for MS-MSD Particle size reduction is not required.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/03/24 11:00	JP / TCLP Room	JGP 10/3 1EXT
	Preparation Group	Analysis Group 1ORGDIG

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB163851

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
P4242-04	TP-Q	01	100.02	2000	N/A	N/A	N/A	5.6	1.5	T-1
P4254-04	MH-147-SLUDGE	02	100.03	2000	N/A	N/A	N/A	4.0	1.0	T-1
P4258-04	Chamberlain Ave	03	100.04	2000	N/A	N/A	N/A	5.6	1.5	T-1
P4270-04	IB-2	04	100.02	2000	N/A	N/A	N/A	5.8	1.0	T-1
P4276-02	VNJ-208	05	100.03	2000	N/A	N/A	N/A	7.2	1.5	T-1
PB163851TB	LEB851	06	N/A	2000	N/A	N/A	N/A	4.94	1.0	T-1

Alliance TECHNICAL GROUP

TCLP Solid Determination

PB163851

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
P4242-04	TP-Q	N/A	N/A	N/A	N/A	100	N/A
P4254-04	MH-147-SLUDGE	N/A	N/A	N/A	N/A	100	N/A
P4258-04	Chamberlain Ave	N/A	N/A	N/A	N/A	100	N/A
P4270-04	IB-2	N/A	N/A	N/A	N/A	100	N/A
P4276-02	VNJ-208	N/A	N/A	N/A	N/A	100	N/A
PB163851TB	LEB851	N/A	N/A	N/A	N/A	N/A	N/A

Alliance TECHNICAL GROUP

TCLP Fluid Determination

PB163851

Hot Block ID : WC S-1 /WC S-2

Thermometer ID : FLASHPOINT

SampleID	ClientID	Sample Weight (g)	Volume DI Water (mL)	PH after 5 min stir	PH after 10 min stir	Extraction Fluid 1 or 2	pH Extraction Fluid
P4242-04	TP-Q	5.02	96.5	7.6	2.0	#1	4.93
P4254-04	MH-147-SLUDGE	5.01	96.5	6.6	1.5	#1	4.93
P4258-04	Chamberlain Ave	5.03	96.5	7.6	2.0	#1	4.93
P4270-04	IB-2	5.02	96.5	8.4	3.0	#1	4.93
P4276-02	VNJ-208	5.02	96.5	9.0	4.0	#1	4.93
PB163851TB	LEB851	N/A	N/A	N/A	N/A	#1	4.93

SAMPLE DATA

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

Report of Analysis

Client:	Roman E&G Corp	Date Collected:	10/01/24 11:45
Project:	Perth Amboy	Date Received:	10/01/24
Client Sample ID:	Chamberlain Ave	SDG No.:	P4258
Lab Sample ID:	P4258-01	Matrix:	SOIL
		% Solid:	86

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Ammonia as N	1.00	U	1	1.00	5.60	mg/Kg	10/01/24 14:20	10/03/24 10:14	SM 4500-NH3 B plus G-11
COD	236	J	1	64.4	581	mg/Kg		10/03/24 11:42	SM 5220 D-11
Oil and Grease	46.5	U	1	46.5	145	mg/Kg		10/03/24 14:30	1664A
Paint Filter	1.00	U	1	1.00	1.00	ml/100gm		10/02/24 14:00	9095B
TS	85.9		1	1.00	5.00	%		10/02/24 11:00	SM 2540 B-15
TVS	2.80	J	1	1.00	10.0	%		10/02/24 15:40	160.4

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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

Report of Analysis

Client:	Roman E&G Corp	Date Collected:	10/01/24 11:45
Project:	Perth Amboy	Date Received:	10/01/24
Client Sample ID:	Chamberlain Ave	SDG No.:	P4258
Lab Sample ID:	P4258-02	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
ASTM Ammonia	0.045	U	1	0.045	0.10	mg/L	10/03/24 11:50	10/04/24 12:06	SM 4500-NH3 B plus NH3 G-11
ASTM COD	44.3		1	2.35	10.0	mg/L		10/04/24 14:32	SM 5220 D-11
ASTM Oil and Grease	0.40	U	1	0.40	5.00	mg/L		10/04/24 10:00	SW1664A
ASTM TS	54.0		1	1.00	5.00	mg/L		10/03/24 11:00	SM 2540 B-15

Comments:

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

Report of Analysis

Client:	Roman E&G Corp	Date Collected:	10/01/24 11:45
Project:	Perth Amboy	Date Received:	10/01/24
Client Sample ID:	Chamberlain Ave	SDG No.:	P4258
Lab Sample ID:	P4258-03	Matrix:	SOIL
		% Solid:	86

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Sulfate	16.3	J	1	0.71	69.5	mg/Kg		10/11/24 11:55	9056A
Hexavalent Chromium	0.091	U	1	0.091	0.46	mg/Kg	10/11/24 08:45	10/11/24 11:59	7196A
pH	7.64	H	1	0	0	pH		10/01/24 16:37	9045D

Comments: pH result reported at temperature 20.1 °C

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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

Report of Analysis

Client:	Roman E&G Corp	Date Collected:	10/01/24 11:45
Project:	Perth Amboy	Date Received:	10/01/24
Client Sample ID:	Chamberlain Ave	SDG No.:	P4258
Lab Sample ID:	P4258-04	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity	7.64	H	1	0	0	pH		10/01/24 16:45	9045D
Ignitability	NO		1	0	0	oC		10/02/24 15:25	1030
Reactive Cyanide	0.0087	U	1	0.0087	0.050	mg/Kg	10/03/24 08:20	10/03/24 13:22	9012B
Reactive Sulfide	1.58	J	1	0.19	10.0	mg/Kg	10/01/24 15:35	10/02/24 12:53	9034

Comments: pH result reported at temperature 20.1 °C

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time
J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

QC RESULT SUMMARY

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Initial and Continuing Calibration Verification

Client: Roman E&G Corp **SDG No.:** P4258

Project: Perth Amboy **RunNo.:** LB132689

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID:	**ICV**						
Corrosivity		pH	7.02	7	100	90-110	10/01/2024
Sample ID:	**CCV1**						
Corrosivity		pH	2.02	2.00	101	90-110	10/01/2024
Sample ID:	**CCV2**						
Corrosivity		pH	12.02	12.00	100	90-110	10/01/2024

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Initial and Continuing Calibration Verification

Client:	Roman E&G Corp	**SDG No.:**	P4258
Project:	Perth Amboy	**RunNo.:**	LB132690

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID:	**ICV**						
pH		pH	7.01	7	100	90-110	10/01/2024
Sample ID:	**CCV1**						
pH		pH	2.01	2.00	101	90-110	10/01/2024
Sample ID:	**CCV2**						
pH		pH	12.02	12.00	100	90-110	10/01/2024

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Initial and Continuing Calibration Verification

Client:	Roman E&G Corp	**SDG No.:**	P4258
Project:	Perth Amboy	**RunNo.:**	LB132726

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID:	**ICV1**						
Ammonia as N		mg/L	0.97	1	97	90-110	10/03/2024
Sample ID:	**CCV1**						
Ammonia as N		mg/L	0.94	1	94	90-110	10/03/2024
Sample ID:	**CCV2**						
Ammonia as N		mg/L	0.96	1	96	90-110	10/03/2024
Sample ID:	**CCV3**						
Ammonia as N		mg/L	0.94	1	94	90-110	10/03/2024
Sample ID:	**CCV4**						
Ammonia as N		mg/L	1.1	1	110	90-110	10/03/2024

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Initial and Continuing Calibration Verification

Client:	Roman E&G Corp	**SDG No.:**	P4258
Project:	Perth Amboy	**RunNo.:**	LB132735

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID:	**ICV**						
COD		mg/L	49.231	50	98	95-105	07/09/2024
Sample ID:	**CCV1**						
COD		mg/L	50.213	50	100	95-105	10/03/2024
Sample ID:	**CCV2**						
COD		mg/L	50.213	50	100	95-105	10/03/2024

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Initial and Continuing Calibration Verification

Client:	Roman E&G Corp	**SDG No.:**	P4258
Project:	Perth Amboy	**RunNo.:**	LB132736

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1						
Reactive Cyanide	mg/L	0.098	0.099	99	85-115	10/03/2024
Sample ID: CCV1						
Reactive Cyanide	mg/L	0.25	0.25	100	90-110	10/03/2024
Sample ID: CCV2						
Reactive Cyanide	mg/L	0.24	0.25	96	90-110	10/03/2024
Sample ID: CCV3						
Reactive Cyanide	mg/L	0.25	0.25	100	90-110	10/03/2024

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Initial and Continuing Calibration Verification

Client:	Roman E&G Corp	**SDG No.:**	P4258
Project:	Perth Amboy	**RunNo.:**	LB132768

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID:	**ICV1**						
ASTM Ammonia		mg/L	0.96	1	96	90-110	10/04/2024
Sample ID:	**CCV1**						
ASTM Ammonia		mg/L	0.99	1	99	90-110	10/04/2024
Sample ID:	**CCV2**						
ASTM Ammonia		mg/L	0.96	1	96	90-110	10/04/2024

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Initial and Continuing Calibration Verification

Client:	Roman E&G Corp	**SDG No.:**	P4258
Project:	Perth Amboy	**RunNo.:**	LB132776

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID:	**ICV**						
ASTM COD		mg/L	49.231	50	98	95-105	07/09/2024
Sample ID:	**CCV1**						
ASTM COD		mg/L	48.249	50	96	95-105	10/04/2024
Sample ID:	**CCV2**						
ASTM COD		mg/L	48.249	50	96	95-105	10/04/2024

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Initial and Continuing Calibration Verification

Client: Roman E&G Corp **SDG No.:** P4258

Project: Perth Amboy **RunNo.:** LB132885

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: **ICV1**						
Bromide	mg/L	9.8	10	98	90-110	09/16/2024
Chloride	mg/L	2.9	3	97	90-110	09/16/2024
Fluoride	mg/L	2	2	100	90-110	09/16/2024
Nitrite	mg/L	2.9	3	97	90-110	09/16/2024
Nitrate	mg/L	2.4	2.5	96	90-110	09/16/2024
Sulfate	mg/L	14.5	15	97	90-110	09/16/2024
Orthophosphate as P	mg/L	4.9	5	98	90-110	09/16/2024
Sample ID: **CCV1**						
Bromide	mg/L	10.1	10	101	90-110	10/11/2024
Chloride	mg/L	3	3	100	90-110	10/11/2024
Fluoride	mg/L	2	2	100	90-110	10/11/2024
Nitrite	mg/L	3	3	100	90-110	10/11/2024
Nitrate	mg/L	2.5	2.5	100	90-110	10/11/2024
Sulfate	mg/L	14.8	15	99	90-110	10/11/2024
Orthophosphate as P	mg/L	5.2	5	104	90-110	10/11/2024
Sample ID: **CCV2**						
Bromide	mg/L	10	10	100	90-110	10/11/2024
Chloride	mg/L	3	3	100	90-110	10/11/2024
Fluoride	mg/L	2	2	100	90-110	10/11/2024
Nitrite	mg/L	3	3	100	90-110	10/11/2024
Nitrate	mg/L	2.5	2.5	100	90-110	10/11/2024
Sulfate	mg/L	14.8	15	99	90-110	10/11/2024
Orthophosphate as P	mg/L	5	5	100	90-110	10/11/2024

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Initial and Continuing Calibration Verification

Client:	Roman E&G Corp	**SDG No.:**	P4258
Project:	Perth Amboy	**RunNo.:**	LB132887

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV						
Hexavalent Chromium	mg/L	0.502	0.5	100	90-110	10/11/2024
Sample ID: CCV1						
Hexavalent Chromium	mg/L	0.499	0.5	100	90-110	10/11/2024
Sample ID: CCV2						
Hexavalent Chromium	mg/L	0.503	0.5	101	90-110	10/11/2024
Sample ID: CCV3						
Hexavalent Chromium	mg/L	0.499	0.5	100	90-110	10/11/2024

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Initial and Continuing Calibration Blank Summary

Client: Roman E&G Corp **SDG No.:** P4258

Project: Perth Amboy **RunNo.:** LB132726

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1							
Ammonia as N	mg/L	< 0.0500	0.0500	U	0.045	0.1	10/03/2024
Sample ID: CCB1							
Ammonia as N	mg/L	< 0.0500	0.0500	U	0.045	0.1	10/03/2024
Sample ID: CCB2							
Ammonia as N	mg/L	< 0.0500	0.0500	U	0.045	0.1	10/03/2024
Sample ID: CCB3							
Ammonia as N	mg/L	< 0.0500	0.0500	U	0.045	0.1	10/03/2024
Sample ID: CCB4							
Ammonia as N	mg/L	< 0.0500	0.0500	U	0.045	0.1	10/03/2024

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Initial and Continuing Calibration Blank Summary

Client:	Roman E&G Corp	**SDG No.:**	P4258
Project:	Perth Amboy	**RunNo.:**	LB132735

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: **ICB**							
COD	mg/L	< 5.0000	5.0000	U	2.35	10	07/09/2024
Sample ID: **CCB1**							
COD	mg/L	< 5.0000	5.0000	U	2.35	10	10/03/2024
Sample ID: **CCB2**							
COD	mg/L	< 5.0000	5.0000	U	2.35	10	10/03/2024

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Initial and Continuing Calibration Blank Summary

Client:	Roman E&G Corp	**SDG No.:**	P4258
Project:	Perth Amboy	**RunNo.:**	LB132736

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1							
Reactive Cyanide	mg/L	< 0.0025	0.0025	U	0.00099	0.005	10/03/2024
Sample ID: CCB1							
Reactive Cyanide	mg/L	< 0.0025	0.0025	U	0.00099	0.005	10/03/2024
Sample ID: CCB2							
Reactive Cyanide	mg/L	< 0.0025	0.0025	U	0.00099	0.005	10/03/2024
Sample ID: CCB3							
Reactive Cyanide	mg/L	< 0.0025	0.0025	U	0.00099	0.005	10/03/2024

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Initial and Continuing Calibration Blank Summary

Client:	Roman E&G Corp	**SDG No.:**	P4258
Project:	Perth Amboy	**RunNo.:**	LB132768

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1							
ASTM Ammonia	mg/L	< 0.0500	0.0500	U	0.045	0.1	10/04/2024
Sample ID: CCB1							
ASTM Ammonia	mg/L	< 0.0500	0.0500	U	0.045	0.1	10/04/2024
Sample ID: CCB2							
ASTM Ammonia	mg/L	< 0.0500	0.0500	U	0.045	0.1	10/04/2024

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Initial and Continuing Calibration Blank Summary

Client:	Roman E&G Corp	**SDG No.:**	P4258
Project:	Perth Amboy	**RunNo.:**	LB132776

Analyte		Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID:	ICB							
ASTM COD		mg/L	< 5.0000	5.0000	U	2.35	10	07/09/2024
Sample ID:	CCB1							
ASTM COD		mg/L	< 5.0000	5.0000	U	2.35	10	10/04/2024
Sample ID:	CCB2							
ASTM COD		mg/L	< 5.0000	5.0000	U	2.35	10	10/04/2024

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Initial and Continuing Calibration Blank Summary

Client: Roman E&G Corp **SDG No.:** P4258

Project: Perth Amboy **RunNo.:** LB132885

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1							
Bromide	mg/L	< 1.0000	1.0000	U	0.034	2	09/16/2024
Chloride	mg/L	< 0.3000	0.3000	U	0.011	0.6	09/16/2024
Fluoride	mg/L	< 0.2000	0.2000	U	0.057	0.4	09/16/2024
Nitrite	mg/L	< 0.3000	0.3000	U	0.011	0.6	09/16/2024
Nitrate	mg/L	< 0.2500	0.2500	U	0.0034	0.5	09/16/2024
Sulfate	mg/L	< 1.5000	1.5000	U	0.032	3	09/16/2024
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.079	1	09/16/2024
Sample ID: CCB1							
Bromide	mg/L	< 1.0000	1.0000	U	0.034	2	10/11/2024
Chloride	mg/L	< 0.3000	0.3000	U	0.011	0.6	10/11/2024
Fluoride	mg/L	< 0.2000	0.2000	U	0.057	0.4	10/11/2024
Nitrite	mg/L	< 0.3000	0.3000	U	0.011	0.6	10/11/2024
Nitrate	mg/L	< 0.2500	0.2500	U	0.0034	0.5	10/11/2024
Sulfate	mg/L	< 1.5000	1.5000	U	0.032	3	10/11/2024
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.079	1	10/11/2024
Sample ID: CCB2							
Bromide	mg/L	< 1.0000	1.0000	U	0.034	2	10/11/2024
Chloride	mg/L	< 0.3000	0.3000	U	0.011	0.6	10/11/2024
Fluoride	mg/L	< 0.2000	0.2000	U	0.057	0.4	10/11/2024
Nitrite	mg/L	< 0.3000	0.3000	U	0.011	0.6	10/11/2024
Nitrate	mg/L	< 0.2500	0.2500	U	0.0034	0.5	10/11/2024
Sulfate	mg/L	< 1.5000	1.5000	U	0.032	3	10/11/2024
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.079	1	10/11/2024

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Initial and Continuing Calibration Blank Summary

Client:	Roman E&G Corp	**SDG No.:**	P4258
Project:	Perth Amboy	**RunNo.:**	LB132887

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0027	0.01	10/11/2024
Sample ID: CCB1							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0027	0.01	10/11/2024
Sample ID: CCB2							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0027	0.01	10/11/2024
Sample ID: CCB3							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0027	0.01	10/11/2024

Alliance TECHNICAL GROUP
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Preparation Blank Summary

Client: Roman E&G Corp **SDG No.:** P4258

Project: Perth Amboy

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: LB132705BL							
TS	%	< 2.5000	2.5000	U	1	5	10/02/2024
Sample ID: LB132707BL							
TVS	%	< 5.0000	5.0000	U	1	10	10/02/2024
Sample ID: LB132729BL							
ASTM TS	mg/L	< 2.5000	2.5000	U	1	5	10/03/2024
Sample ID: LB132735BL							
COD	mg/Kg	55.6	250.0000	J	55.4	500	10/03/2024
Sample ID: LB132745BL							
Oil and Grease	mg/Kg	< 62.5000	62.5000	U	40.0	125	10/03/2024
Sample ID: LB132756BL							
ASTM Oil and Grease	mg/L	< 2.5000	2.5000	U	0.4	5.0	10/04/2024
Sample ID: LB132776BL							
ASTM COD	mg/L	< 5.0000	5.0000	U	2.35	10.0	10/04/2024
Sample ID: LB132885BLS							
Bromide	mg/Kg	< 20.0000	20.0000	U	0.49	40	10/11/2024
Chloride	mg/Kg	< 6.0000	6.0000	U	0.096	12	10/11/2024
Fluoride	mg/Kg	< 4.0000	4.0000	U	0.38	8	10/11/2024
Nitrite	mg/Kg	< 6.0000	6.0000	U	0.19	12	10/11/2024
Nitrate	mg/Kg	< 5.0000	5.0000	U	0.089	10	10/11/2024
Sulfate	mg/Kg	< 30.0000	30.0000	U	0.61	60	10/11/2024
Orthophosphate as P	mg/Kg	< 10.0000	10.0000	U	0.24	20	10/11/2024
Sample ID: PB163759BL							
Reactive Sulfide	mg/Kg	< 5.0000	5.0000	U	0.186	10	10/02/2024
Sample ID: PB163850BL							
Ammonia as N	mg/Kg	< 2.5000	2.5000	U	0.9	5	10/03/2024
Sample ID: PB163858BL							
Reactive Cyanide	mg/Kg	< 0.0250	0.0250	U	0.0088	0.05	10/03/2024
Sample ID: PB163895BL							
ASTM Ammonia	mg/L	< 0.0500	0.0500	U	0.045	0.1	10/04/2024
Sample ID: PB164052BL							
Hexavalent Chromium	mg/Kg	< 0.2000	0.2000	U	0.079	0.4	10/11/2024

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Matrix Spike Summary

Client: Roman E&G Corp
Project: Perth Amboy
Client ID: Chamberlain AveMS

SDG No.: P4258
Sample ID: P4258-01
Percent Solids for Spike Sample: 86

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Ammonia as N	mg/Kg	75-125	61.7		1.00	U	56.4	1	109		10/03/2024
Oil and Grease	mg/Kg	78-114	75.5	J	46.5	U	23.3	1	324	*	10/03/2024
COD	mg/Kg	75-125	2860		236	J	2910	1	90		10/03/2024

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Matrix Spike Summary

Client: Roman E&G Corp
SDG No.: P4258
Project: Perth Amboy
Sample ID: P4258-01
Client ID: Chamberlain AveMSD
Percent Solids for Spike Sample: 86

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Ammonia as N	mg/Kg	75-125	62.0		1.00	U	55.9	1	111		10/03/2024
Oil and Grease	mg/Kg	78-114	75.4	J	46.5	U	23.3	1	324	*	10/03/2024
COD	mg/Kg	75-125	2810		236	J	2910	1	88		10/03/2024

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Matrix Spike Summary

Client: Roman E&G Corp
SDG No.: P4258
Project: Perth Amboy
Sample ID: P4258-02
Client ID: Chamberlain AveMS
Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
ASTM COD	mg/L	75-125	88.5		44.3		50.0	1	88		10/04/2024
ASTM Oil and Grease	mg/L	78-114	20.4		0.40	U	20.0	1	102		10/04/2024
ASTM Ammonia	mg/L	75-125	0.97		0.045	U	1	1	97		10/04/2024

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Matrix Spike Summary

Client: Roman E&G Corp
SDG No.: P4258
Project: Perth Amboy
Sample ID: P4258-02
Client ID: Chamberlain AveMSD
Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
ASTM COD	mg/L	75-125	89.5		44.3		50.0	1	90		10/04/2024
ASTM Oil and Grease	mg/L	78-114	20.6		0.40	U	20.0	1	103		10/04/2024
ASTM Ammonia	mg/L	75-125	0.97		0.045	U	1	1	97		10/04/2024

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Matrix Spike Summary

Client: Roman E&G Corp
SDG No.: P4258
Project: Perth Amboy
Sample ID: P4258-03
Client ID: Chamberlain AveMS
Percent Solids for Spike Sample: 86

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Bromide	mg/Kg	80-120	235		0.57	U	230	1	102		10/11/2024
Chloride	mg/Kg	80-120	77.0		6.70	J	69.2	1	102		10/11/2024
Fluoride	mg/Kg	80-120	48.6		5.40	J	46.1	1	94		10/11/2024
Nitrite	mg/Kg	80-120	70.4		0.22	U	69.2	1	102		10/11/2024
Nitrate	mg/Kg	80-120	58.6		0.10	U	57.7	1	102		10/11/2024
Sulfate	mg/Kg	80-120	353		16.3	J	350	1	96		10/11/2024
Orthophosphate as P	mg/Kg	80-120	114		0.28	U	120	1	95		10/11/2024

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Matrix Spike Summary

Client: Roman E&G Corp
SDG No.: P4258
Project: Perth Amboy
Sample ID: P4258-03
Client ID: Chamberlain AveMSD
Percent Solids for Spike Sample: 86

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Bromide	mg/Kg	80-120	238		0.57	U	230	1	104		10/11/2024
Chloride	mg/Kg	80-120	78.4		6.70	J	69.5	1	103		10/11/2024
Fluoride	mg/Kg	80-120	49.4		5.40	J	46.3	1	95		10/11/2024
Nitrite	mg/Kg	80-120	71.1		0.22	U	69.5	1	102		10/11/2024
Nitrate	mg/Kg	80-120	59.2		0.10	U	57.9	1	102		10/11/2024
Sulfate	mg/Kg	80-120	356		16.3	J	350	1	97		10/11/2024
Orthophosphate as P	mg/Kg	80-120	115		0.28	U	120	1	96		10/11/2024

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Matrix Spike Summary

Client: Roman E&G Corp
SDG No.: P4258
Project: Perth Amboy
Sample ID: P4377-01
Client ID: HD-01-100924MS
Percent Solids for Spike Sample: 90.6

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	75-125	1310		0.086	U	1420	40	92		10/11/2024

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Matrix Spike Summary

Client: Roman E&G Corp
Project: Perth Amboy
Client ID: HD-01-100924MS
SDG No.: P4258
Sample ID: P4377-01
Percent Solids for Spike Sample: 90.6

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	85-115	41.8		0.086	U	44.2	2	95		10/11/2024

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Matrix Spike Summary

Client: Roman E&G Corp
Project: Perth Amboy
Client ID: HD-01-100924MS
SDG No.: P4258
Sample ID: P4377-01
Percent Solids for Spike Sample: 90.6

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	75-125	33.9		0.086	U	44.2	2	77		10/11/2024

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Duplicate Sample Summary

Client: Roman E&G Corp
SDG No.: P4258
Project: Perth Amboy
Sample ID: P4214-02
Client ID: CONCRETE-WC-1DUP
Percent Solids for Spike Sample: 100

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Reactive Sulfide	mg/Kg	+/-20	3.18	J	3.18	J	1	0		10/02/2024

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Duplicate Sample Summary

Client: Roman E&G Corp
Project: Perth Amboy
Client ID: TP-5DUP

SDG No.: P4258
Sample ID: P4222-04
Percent Solids for Spike Sample: 100

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Reactive Cyanide	mg/Kg	+/-20	0.0087	U	0.0087	U	1	0		10/03/2024

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Duplicate Sample Summary

Client: Roman E&G Corp
SDG No.: P4258
Project: Perth Amboy
Sample ID: P4258-01
Client ID: Chamberlain AveDUP
Percent Solids for Spike Sample: 86

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
TS	%	+/-5	85.9		86.1		1	0.23		10/02/2024
TVS	%	+/-5	2.80	J	2.70	J	1	3.64		10/02/2024
Paint Filter	ml/100gm	+/-20	1.00	U	1.00	U	1	0		10/02/2024
Ammonia as N	mg/Kg	+/-20	1.00	U	1.00	U	1	0		10/03/2024
COD	mg/Kg	+/-20	236	J	236	J	1	0		10/03/2024
Oil and Grease	mg/Kg	+/-18	46.5	U	46.5	U	1	0		10/03/2024

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Duplicate Sample Summary

Client: Roman E&G Corp
SDG No.: P4258
Project: Perth Amboy
Sample ID: P4258-01
Client ID: Chamberlain AveMSD
Percent Solids for Spike Sample: 86

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Ammonia as N	mg/Kg	+/-20	61.7		62.0		1	0		10/03/2024
COD	mg/Kg	+/-20	2860		2810		1	1.76		10/03/2024
Oil and Grease	mg/Kg	+/-18	75.5	J	75.4	J	1	0.05		10/03/2024

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Duplicate Sample Summary

Client: Roman E&G Corp
Project: Perth Amboy
Client ID: Chamberlain AveDUP

SDG No.: P4258
Sample ID: P4258-02
Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
ASTM TS	mg/L	+/-5	54.0		55.0		1	1.83		10/03/2024
ASTM Oil and Grease	mg/L	+/-18	0.40	U	0.40	U	1	0		10/04/2024
ASTM Ammonia	mg/L	+/-20	0.045	U	0.045	U	1	0		10/04/2024
ASTM COD	mg/L	+/-20	44.3		43.3		1	2.28		10/04/2024

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Duplicate Sample Summary

Client: Roman E&G Corp
Project: Perth Amboy
Client ID: Chamberlain AveMSD

SDG No.: P4258
Sample ID: P4258-02
Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
ASTM Oil and Grease	mg/L	+/-18	20.4		20.6		1	0.98		10/04/2024
ASTM Ammonia	mg/L	+/-20	0.97		0.97		1	0		10/04/2024
ASTM COD	mg/L	+/-20	88.5		89.5		1	1.12		10/04/2024

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Duplicate Sample Summary

Client: Roman E&G Corp
SDG No.: P4258
Project: Perth Amboy
Sample ID: P4258-03
Client ID: Chamberlain AveDUP
Percent Solids for Spike Sample: 100

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
pH	pH	+/-20	7.64		7.65		1	0.13		10/01/2024

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Duplicate Sample Summary

Client: Roman E&G Corp
Project: Perth Amboy
Client ID: Chamberlain AveMSD

SDG No.: P4258
Sample ID: P4258-03
Percent Solids for Spike Sample: 86

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Bromide	mg/Kg	+/-15	235		238		1	1		10/11/2024
Nitrate	mg/Kg	+/-15	58.6		59.2		1	1		10/11/2024
Nitrite	mg/Kg	+/-15	70.4		71.1		1	1		10/11/2024
Orthophosphate as P	mg/Kg	+/-15	114		115		1	1		10/11/2024
Sulfate	mg/Kg	+/-15	353		356		1	1		10/11/2024
Chloride	mg/Kg	+/-15	77.0		78.4		1	2		10/11/2024
Fluoride	mg/Kg	+/-15	48.6		49.4		1	2		10/11/2024

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Duplicate Sample Summary

Client: Roman E&G Corp
SDG No.: P4258
Project: Perth Amboy
Sample ID: P4258-04
Client ID: Chamberlain AveDUP
Percent Solids for Spike Sample: 100

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Corrosivity	pH	+/-20	7.64		7.65		1	0.13		10/01/2024
Ignitability	oC	+/-20	NO		NO		1	0		10/02/2024

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Duplicate Sample Summary

Client: Roman E&G Corp
Project: Perth Amboy
Client ID: HD-01-100924DUP

SDG No.: P4258
Sample ID: P4377-01
Percent Solids for Spike Sample: 90.6

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	+/-20	0.086	U	0.087	U	1	0		10/11/2024

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Laboratory Control Sample Summary

Client:	Roman E&G Corp	**SDG No.:**	P4258
Project:	Perth Amboy	**Run No.:**	LB132735

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID **LB132735BS**								
COD	**mg/Kg**	**2500**	**2510**		**100**	**1**	**90-110**	**10/03/2024**

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Laboratory Control Sample Summary

Client:	Roman E&G Corp	**SDG No.:**	P4258
Project:	Perth Amboy	**Run No.:**	LB132745

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID LB132745BS								
Oil and Grease	mg/Kg	100	89.9	J	90	1	78-114	10/03/2024

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Laboratory Control Sample Summary

Client:	Roman E&G Corp	**SDG No.:**	P4258
Project:	Perth Amboy	**Run No.:**	LB132756

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID LB132756BS								
ASTM Oil and Grease	**mg/L**	**20.0**	**16.8**		**84**	**1**	**78-114**	**10/04/2024**

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Laboratory Control Sample Summary

Client:	Roman E&G Corp	**SDG No.:**	P4258
Project:	Perth Amboy	**Run No.:**	LB132776

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID LB132776BS								
ASTM COD	mg/L	50	50.2		100	1	90-110	10/04/2024

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Laboratory Control Sample Summary

Client: Roman E&G Corp **SDG No.:** P4258

Project: Perth Amboy **Run No.:** LB132885

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID LB132885BSS								
Bromide	mg/Kg	200	209		104	1	90-110	10/11/2024
Chloride	mg/Kg	60	62.4		104	1	90-110	10/11/2024
Fluoride	mg/Kg	40	41.9		105	1	90-110	10/11/2024
Nitrite	mg/Kg	60	62.4		104	1	90-110	10/11/2024
Nitrate	mg/Kg	50	51.8		104	1	90-110	10/11/2024
Sulfate	mg/Kg	300	306		102	1	90-110	10/11/2024
Orthophosphate as P	mg/Kg	100	106		106	1	90-110	10/11/2024

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Laboratory Control Sample Summary

Client:	Roman E&G Corp	**SDG No.:**	P4258
Project:	Perth Amboy	**Run No.:**	LB132726

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID PB163850BS								
Ammonia as N	mg/Kg	50	49.6		99	1	90-110	10/03/2024

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Laboratory Control Sample Summary

Client:	Roman E&G Corp	**SDG No.:**	P4258
Project:	Perth Amboy	**Run No.:**	LB132768

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID PB163895BS								
ASTM Ammonia	**mg/L**	**1**	**0.98**		**98**	**1**	**90-110**	**10/04/2024**

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Laboratory Control Sample Summary

Client:	Roman E&G Corp	**SDG No.:**	P4258
Project:	Perth Amboy	**Run No.:**	LB132887

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID PB164052BS								
Hexavalent Chromium	**mg/Kg**	**20**	**20.0**		**100**	**1**	**84-110**	**10/11/2024**

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Instrument ID: WC PH METER-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB132689

Review By	jignesh	Review On	10/15/2024 11:29:21 AM
Supervise By	Iwona	Supervise On	10/15/2024 11:30:35 AM
SubDirectory	LB132689	Test	Corrosivity

STD. NAME	STD REF.#
ICAL Standard	N/A
ICV Standard	N/A
CCV Standard	N/A
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	W3107,W3093,W3094,W3071,W3005,W3072

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	10/01/24 15:25		Jignesh	OK
2	CAL2	CAL2	CAL	10/01/24 15:26		Jignesh	OK
3	CAL3	CAL3	CAL	10/01/24 15:30		Jignesh	OK
4	ICV	ICV	ICV	10/01/24 15:37		Jignesh	OK
5	CCV1	CCV1	CCV	10/01/24 15:40		Jignesh	OK
6	P4232-04	TP-R	SAM	10/01/24 16:15		Jignesh	OK
7	P4236-04	TP4	SAM	10/01/24 16:19		Jignesh	OK
8	P4236-08	TP3	SAM	10/01/24 16:22		Jignesh	OK
9	P4236-12	TP1	SAM	10/01/24 16:25		Jignesh	OK
10	P4236-16	TP2	SAM	10/01/24 16:30		Jignesh	OK
11	P4242-04	TP-Q	SAM	10/01/24 16:35		Jignesh	OK
12	P4254-04	MH-147-SLUDGE	SAM	10/01/24 16:40		Jignesh	OK
13	P4258-04	Chamberlain Ave	SAM	10/01/24 16:45		Jignesh	OK
14	P4258-04DUP	Chamberlain AveDUP	DUP	10/01/24 16:46		Jignesh	OK
15	CCV2	CCV2	CCV	10/01/24 16:47		Jignesh	OK

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Instrument ID: WC PH METER-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB132690

Review By	jignesh	Review On	10/1/2024 4:29:02 PM
Supervise By	Iwona	Supervise On	10/1/2024 4:49:58 PM
SubDirectory	LB132690	Test	pH

STD. NAME	STD REF.#
ICAL Standard	N/A
ICV Standard	N/A
CCV Standard	N/A
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	W3107,W3093,W3094,W3071,W3005,W3072

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	10/01/24 16:15		Jignesh	OK
2	CAL2	CAL2	CAL	10/01/24 16:20		Jignesh	OK
3	CAL3	CAL3	CAL	10/01/24 16:25		Jignesh	OK
4	ICV	ICV	ICV	10/01/24 16:30		Jignesh	OK
5	CCV1	CCV1	CCV	10/01/24 16:33		Jignesh	OK
6	P4258-03	Chamberlain Ave	SAM	10/01/24 16:37		Jignesh	OK
7	P4258-03DUP	Chamberlain AveDUP	DUP	10/01/24 16:38		Jignesh	OK
8	CCV2	CCV2	CCV	10/01/24 16:40		Jignesh	OK

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Instrument ID: WC SC-3

Daily Analysis Runlog For Sequence/QCBatch ID # LB132705

Review By	jignesh	Review On	10/3/2024 10:22:25 AM
Supervise By	Iwona	Supervise On	10/3/2024 11:34:49 AM
SubDirectory	LB132705	Test	TS

STD. NAME	STD REF.#
ICAL Standard	N/A
ICV Standard	N/A
CCV Standard	N/A
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	N/A

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	LB132705BL	LB132705BL	MB	10/02/24 11:00		jignesh	OK
2	P4258-01	Chamberlain Ave	SAM	10/02/24 11:00		jignesh	OK
3	P4258-01DUP	Chamberlain AveDUP	DUP	10/02/24 11:00		jignesh	OK

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Instrument ID: WC SC-3

Daily Analysis Runlog For Sequence/QCBatch ID # LB132707

Review By	jignesh	Review On	10/3/2024 10:44:26 AM
Supervise By	Iwona	Supervise On	10/3/2024 11:34:36 AM
SubDirectory	LB132707	Test	TVS

STD. NAME	STD REF.#
ICAL Standard	N/A
ICV Standard	N/A
CCV Standard	N/A
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	N/A

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	LB132707BL	LB132707BL	MB	10/02/24 15:40		jignesh	OK
2	P4258-01	Chamberlain Ave	SAM	10/02/24 15:40		jignesh	OK
3	P4258-01DUP	Chamberlain AveDUP	DUP	10/02/24 15:40		jignesh	OK

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Instrument ID: TITRAMETRIC

Daily Analysis Runlog For Sequence/QCBatch ID # LB132708

Review By	rubina	Review On	10/2/2024 1:09:52 PM
Supervise By	Iwona	Supervise On	10/2/2024 1:10:18 PM
SubDirectory	LB132708	Test	Reactive Sulfide

STD. NAME	STD REF.#
ICAL Standard	N/A
ICV Standard	N/A
CCV Standard	N/A
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	W3105,W3114,W2977

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	PB163759BL	PB163759BL	MB	10/02/24 12:25		rubina	OK
2	P4214-02	CONCRETE-WC-1	SAM	10/02/24 12:28		rubina	OK
3	P4214-02DUP	CONCRETE-WC-1DU	DUP	10/02/24 12:30		rubina	OK
4	P4222-04	TP-5	SAM	10/02/24 12:33		rubina	OK
5	P4232-04	TP-R	SAM	10/02/24 12:36		rubina	OK
6	P4236-04	TP4	SAM	10/02/24 12:38		rubina	OK
7	P4236-08	TP3	SAM	10/02/24 12:40		rubina	OK
8	P4236-12	TP1	SAM	10/02/24 12:43		rubina	OK
9	P4236-16	TP2	SAM	10/02/24 12:45		rubina	OK
10	P4242-04	TP-Q	SAM	10/02/24 12:48		rubina	OK
11	P4254-04	MH-147-SLUDGE	SAM	10/02/24 12:50		rubina	OK
12	P4258-04	Chamberlain Ave	SAM	10/02/24 12:53		rubina	OK

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Instrument ID: FILTER/GRAVIMETRIC

Daily Analysis Runlog For Sequence/QCBatch ID # LB132715

Review By	rubina	Review On	10/3/2024 9:51:48 AM
Supervise By	Iwona	Supervise On	10/3/2024 9:53:23 AM
SubDirectory	LB132715	Test	Paint Filter

STD. NAME	STD REF.#
ICAL Standard	N/A
ICV Standard	N/A
CCV Standard	N/A
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	N/A

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	P4242-01	TP-Q	SAM	10/02/24 13:30		rubina	OK
2	P4254-01	MH-147-SLUDGE	SAM	10/02/24 13:38		rubina	OK
3	P4255-01	OR-03-100124	SAM	10/02/24 13:45		rubina	OK
4	P4257-01	VNJ-240	SAM	10/02/24 13:52		rubina	OK
5	P4258-01	Chamberlain Ave	SAM	10/02/24 14:00		rubina	OK
6	P4258-01DUP	Chamberlain AveDUP	DUP	10/02/24 14:08		rubina	OK

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Instrument ID: FLAME

Daily Analysis Runlog For Sequence/QCBatch ID # LB132718

Review By	rubina	Review On	10/3/2024 9:51:14 AM
Supervise By	Iwona	Supervise On	10/3/2024 9:52:25 AM
SubDirectory	LB132718	Test	Ignitability

STD. NAME	STD REF.#
ICAL Standard	N/A
ICV Standard	N/A
CCV Standard	N/A
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	N/A

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	P4242-01	TP-Q	SAM	10/02/24 14:40		rubina	OK
2	P4242-04	TP-Q	SAM	10/02/24 14:48		rubina	OK
3	P4254-01	MH-147-SLUDGE	SAM	10/02/24 14:55		rubina	OK
4	P4254-04	MH-147-SLUDGE	SAM	10/02/24 15:02		rubina	OK
5	P4256-01	585	SAM	10/02/24 15:10		rubina	OK
6	P4256-02	31480	SAM	10/02/24 15:17		rubina	OK
7	P4258-04	Chamberlain Ave	SAM	10/02/24 15:25		rubina	OK
8	P4258-04DUP	Chamberlain AveDUP	DUP	10/02/24 15:32		rubina	OK

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Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QCBatch ID # LB132726

Review By	rubina	Review On	10/4/2024 10:58:55 AM
Supervise By	Iwona	Supervise On	10/4/2024 1:25:36 PM
SubDirectory	LB132726	Test	Ammonia

STD. NAME	STD REF.#
ICAL Standard	WP110022
ICV Standard	WP110024
CCV Standard	WP110023
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP109834
Chk Standard	WP108309,WP110019,WP108709,WP108840

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	0.0PPM	0.0PPM	CAL1	10/03/24 09:00		rubina	OK
2	0.1PPM	0.1PPM	CAL2	10/03/24 09:00		rubina	OK
3	0.2PPM	0.2PPM	CAL3	10/03/24 09:00		rubina	OK
4	0.4PPM	0.4PPM	CAL4	10/03/24 09:00		rubina	OK
5	1.0PPM	1.0PPM	CAL5	10/03/24 09:00		rubina	OK
6	1.3PPM	1.3PPM	CAL6	10/03/24 09:00		rubina	OK
7	2.0PPM	2.0PPM	CAL7	10/03/24 09:00		rubina	OK
8	ICV1	ICV1	ICV	10/03/24 09:42		rubina	OK
9	ICB1	ICB1	ICB	10/03/24 09:42		rubina	OK
10	CCV1	CCV1	CCV	10/03/24 09:42		rubina	OK
11	CCB1	CCB1	CCB	10/03/24 09:53		rubina	OK
12	RL	RL	SAM	10/03/24 09:53		rubina	OK
13	PB163814BL	PB163814BL	MB	10/03/24 09:53		rubina	OK
14	PB163814BS	PB163814BS	LCS	10/03/24 10:03		rubina	OK
15	P4235-02	A1403	SAM	10/03/24 10:03		rubina	OK
16	P4235-02DUP	A1403DUP	DUP	10/03/24 10:04		rubina	OK
17	P4235-02MS	A1403MS	MS	10/03/24 10:04		rubina	OK
18	P4235-02MSD	A1403MSD	MSD	10/03/24 10:04		rubina	OK

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Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QCBatch ID # LB132726

Review By	rubina	Review On	10/4/2024 10:58:55 AM
Supervise By	Iwona	Supervise On	10/4/2024 1:25:36 PM
SubDirectory	LB132726	Test	Ammonia

STD. NAME	STD REF.#
ICAL Standard	WP110022
ICV Standard	WP110024
CCV Standard	WP110023
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP109834
Chk Standard	WP108309,WP110019,WP108709,WP108840

19	P4253-01	1 Effluent Composite	SAM	10/03/24 10:04		rubina	OK
20	P4254-05	MH-147	SAM	10/03/24 10:04	High	rubina	Dilution
21	RL	RL	SAM	10/03/24 10:04		rubina	OK
22	CCV2	CCV2	CCV	10/03/24 10:04		rubina	OK
23	CCB2	CCB2	CCB	10/03/24 10:14		rubina	OK
24	PB163850BL	PB163850BL	MB	10/03/24 10:14		rubina	OK
25	PB163850BS	PB163850BS	LCS	10/03/24 10:14		rubina	OK
26	P4258-01	Chamberlain Ave	SAM	10/03/24 10:14		rubina	OK
27	P4258-01DUP	Chamberlain AveDUP	DUP	10/03/24 10:14		rubina	OK
28	P4258-01MS	Chamberlain AveMS	MS	10/03/24 10:14		rubina	OK
29	P4258-01MSD	Chamberlain AveMSD	MSD	10/03/24 10:14		rubina	OK
30	CCV3	CCV3	CCV	10/03/24 10:14		rubina	OK
31	CCB3	CCB3	CCB	10/03/24 10:23		rubina	OK
32	P4254-05DL	MH-147DL	SAM	10/03/24 10:23	Report 2X	rubina	Confirms
33	CCV4	CCV4	CCV	10/03/24 10:23		rubina	OK
34	CCB4	CCB4	CCB	10/03/24 10:23		rubina	OK

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Instrument ID: WC SC-3

Daily Analysis Runlog For Sequence/QCBatch ID # LB132729

Review By	jignesh	Review On	10/4/2024 9:12:33 AM
Supervise By	Iwona	Supervise On	10/4/2024 9:35:47 AM
SubDirectory	LB132729	Test	ASTM TS

STD. NAME	STD REF.#
ICAL Standard	N/A
ICV Standard	N/A
CCV Standard	N/A
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	N/A

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	LB132729BL	LB132729BL	MB	10/03/24 11:00		jignesh	OK
2	P4258-02	Chamberlain Ave	SAM	10/03/24 11:00		jignesh	OK
3	P4258-02DUP	Chamberlain AveDUP	DUP	10/03/24 11:00		jignesh	OK

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Instrument ID: SPECTROPHOTOMETER-2

Daily Analysis Runlog For Sequence/QCBatch ID # LB132735

Review By	Niha	Review On	10/3/2024 2:17:00 PM
Supervise By	Iwona	Supervise On	10/3/2024 2:18:26 PM
SubDirectory	LB132735	Test	COD

STD. NAME	STD REF.#
ICAL Standard	N/A
ICV Standard	N/A
CCV Standard	N/A
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	WP108671,WP108668,WP108666,WP108669,WP108667,WP108665,WP109973,WP109972,W3123

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	07/09/24 14:20		Iwona	OK
2	CAL2	CAL2	CAL	07/09/24 14:20		Iwona	OK
3	CAL3	CAL3	CAL	07/09/24 14:21		Iwona	OK
4	CAL4	CAL4	CAL	07/09/24 14:21		Iwona	OK
5	CAL5	CAL5	CAL	07/09/24 14:22		Iwona	OK
6	ICV	ICV	ICV	07/09/24 14:22		Iwona	OK
7	ICB	ICB	ICB	07/09/24 14:23		Iwona	OK
8	CCV1	CCV1	CCV	10/03/24 11:40		Iwona	OK
9	CCB1	CCB1	CCB	10/03/24 11:40		Iwona	OK
10	LB132735BL	LB132735BL	MB	10/03/24 11:41		Iwona	OK
11	LB132735BS	LB132735BS	LCS	10/03/24 11:41		Iwona	OK
12	P4258-01	Chamberlain Ave	SAM	10/03/24 11:42		Iwona	OK
13	P4258-01DUP	Chamberlain AveDUP	DUP	10/03/24 11:42		Iwona	OK
14	P4258-01MS	Chamberlain AveMS	MS	10/03/24 11:43	0.5ml WP109972 + 9.5ml Sample	Iwona	OK
15	P4258-01MSD	Chamberlain AveMSD	MSD	10/03/24 11:43	0.5ml WP109972 + 9.5ml Sample	Iwona	OK
16	CCV2	CCV2	CCV	10/03/24 11:44		Iwona	OK
17	CCB2	CCB2	CCB	10/03/24 11:44		Iwona	OK

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Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QCBatch ID # LB132736

Review By	rubina	Review On	10/4/2024 11:01:33 AM
Supervise By	Iwona	Supervise On	10/4/2024 1:25:51 PM
SubDirectory	LB132736	Test	Reactive Cyanide

STD. NAME	STD REF.#
ICAL Standard	WP110026,WP110027,WP110028,WP110029,WP110030,WP110031,WP110032
ICV Standard	WP110033
CCV Standard	WP110027
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	WP107283,WP109068,WP110034

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	0.0PPBCN	0.0PPBCN	CAL1	10/03/24 12:27		rubina	OK
2	5.0PPBCN	5.0PPBCN	CAL2	10/03/24 12:27		rubina	OK
3	10PPBCN	10PPBCN	CAL3	10/03/24 12:27		rubina	OK
4	50PPBCN	50PPBCN	CAL4	10/03/24 12:27		rubina	OK
5	100PPBCN	100PPBCN	CAL5	10/03/24 12:27		rubina	OK
6	250PPBCN	250PPBCN	CAL6	10/03/24 12:27		rubina	OK
7	500PPBCN	500PPBCN	CAL7	10/03/24 12:27		rubina	OK
8	ICV1	ICV1	ICV	10/03/24 12:59		rubina	OK
9	ICB1	ICB1	ICB	10/03/24 12:59		rubina	OK
10	CCV1	CCV1	CCV	10/03/24 12:59		rubina	OK
11	CCB1	CCB1	CCB	10/03/24 12:59		rubina	OK
12	PB163858BL	PB163858BL	MB	10/03/24 12:59		rubina	OK
13	P4222-04	TP-5	SAM	10/03/24 13:07		rubina	OK
14	P4222-04DUP	TP-5DUP	DUP	10/03/24 13:07		rubina	OK
15	P4232-04	TP-R	SAM	10/03/24 13:07		rubina	OK
16	P4236-04	TP4	SAM	10/03/24 13:07		rubina	OK
17	P4236-08	TP3	SAM	10/03/24 13:07		rubina	OK
18	P4236-12	TP1	SAM	10/03/24 13:14		rubina	OK

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Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QCBatch ID # LB132736

Review By	rubina	Review On	10/4/2024 11:01:33 AM
Supervise By	Iwona	Supervise On	10/4/2024 1:25:51 PM
SubDirectory	LB132736	Test	Reactive Cyanide

STD. NAME	STD REF.#
ICAL Standard	WP110026,WP110027,WP110028,WP110029,WP110030,WP110031,WP110032
ICV Standard	WP110033
CCV Standard	WP110027
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	WP107283,WP109068,WP110034

19	P4236-16	TP2	SAM	10/03/24 13:14		rubina	OK
20	P4242-04	TP-Q	SAM	10/03/24 13:14		rubina	OK
21	P4254-04	MH-147-SLUDGE	SAM	10/03/24 13:14		rubina	OK
22	CCV2	CCV2	CCV	10/03/24 13:22		rubina	OK
23	CCB2	CCB2	CCB	10/03/24 13:22		rubina	OK
24	P4258-04	Chamberlain Ave	SAM	10/03/24 13:22		rubina	OK
25	P4270-04	IB-2	SAM	10/03/24 13:22		rubina	OK
26	P4276-02	VNJ-208	SAM	10/03/24 13:22		rubina	OK
27	PB163857BL	PB163857BL	MB	10/03/24 13:22		rubina	OK
28	P4254-05	MH-147	SAM	10/03/24 13:22		rubina	OK
29	P4274-01	222254	SAM	10/03/24 13:28		rubina	OK
30	P4235-02	A1403	SAM	10/03/24 13:28		rubina	OK
31	P4235-02DUP	A1403DUP	DUP	10/03/24 13:28		rubina	OK
32	CCV3	CCV3	CCV	10/03/24 13:28		rubina	OK
33	CCB3	CCB3	CCB	10/03/24 13:28		rubina	OK

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Instrument ID: WC SC-3

Daily Analysis Runlog For Sequence/QCBatch ID # LB132745

Review By	jignesh	Review On	10/3/2024 4:29:40 PM
Supervise By	Iwona	Supervise On	10/3/2024 5:02:02 PM
SubDirectory	LB132745	Test	Oil and Grease

STD. NAME	STD REF.#
ICAL Standard	N/A
ICV Standard	N/A
CCV Standard	N/A
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	W3110,NA,EP2541,WP108566,NA,E2865,WP108569,NA,WP108570

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	LB132745BL	LB132745BL	MB	10/03/24 14:30		jignesh	OK
2	LB132745BS	LB132745BS	LCS	10/03/24 14:30		jignesh	OK
3	P4258-01	Chamberlain Ave	SAM	10/03/24 14:30		jignesh	OK
4	P4258-01DUP	Chamberlain AveDUP	DUP	10/03/24 14:30		jignesh	OK
5	P4258-01MS	Chamberlain AveMS	MS	10/03/24 14:30		jignesh	OK
6	P4258-01MSD	Chamberlain AveMSD	MSD	10/03/24 14:30		jignesh	OK

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Instrument ID: WC SC-3

Daily Analysis Runlog For Sequence/QCBatch ID # LB132756

Review By	jignesh	Review On	10/4/2024 9:22:42 AM
Supervise By	Iwona	Supervise On	10/4/2024 9:35:16 AM
SubDirectory	LB132756	Test	ASTM Oil and Grease

STD. NAME	STD REF.#
ICAL Standard	N/A
ICV Standard	N/A
CCV Standard	N/A
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	W3110,M6069,EP2541,WP108566,NA,NA,WP108567,NA,WP108568

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	LB132756BL	LB132756BL	MB	10/04/24 10:00		jignesh	OK
2	LB132756BS	LB132756BS	LCS	10/04/24 10:00		jignesh	OK
3	P4258-02	Chamberlain Ave	SAM	10/04/24 10:00		jignesh	OK
4	P4258-02DUP	Chamberlain AveDUP	DUP	10/04/24 10:00		jignesh	OK
5	P4258-02MS	Chamberlain AveMS	MS	10/04/24 10:00		jignesh	OK
6	P4258-02MSD	Chamberlain AveMSD	MSD	10/04/24 10:00		jignesh	OK

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Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QCBatch ID # LB132768

Review By	rubina	Review On	10/7/2024 12:26:12 PM
Supervise By	Iwona	Supervise On	10/7/2024 1:03:33 PM
SubDirectory	LB132768	Test	ASTM Ammonia

STD. NAME	STD REF.#
ICAL Standard	WP110057
ICV Standard	WP110059
CCV Standard	WP110058
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP109834
Chk Standard	WP108309,WP110019,WP108709,WP108840

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	0.0PPM	0.0PPM	CAL1	10/04/24 11:05		rubina	OK
2	0.1PPM	0.1PPM	CAL2	10/04/24 11:05		rubina	OK
3	0.2PPM	0.2PPM	CAL3	10/04/24 11:05		rubina	OK
4	0.4PPM	0.4PPM	CAL4	10/04/24 11:05		rubina	OK
5	1.0PPM	1.0PPM	CAL5	10/04/24 11:05		rubina	OK
6	1.3PPM	1.3PPM	CAL6	10/04/24 11:05		rubina	OK
7	2.0PPM	2.0PPM	CAL7	10/04/24 11:05		rubina	OK
8	ICV1	ICV1	ICV	10/04/24 11:55		rubina	OK
9	ICB1	ICB1	ICB	10/04/24 11:55		rubina	OK
10	CCV1	CCV1	CCV	10/04/24 11:55		rubina	OK
11	CCB1	CCB1	CCB	10/04/24 11:55		rubina	OK
12	RL	RL	SAM	10/04/24 11:55		rubina	OK
13	PB163895BL	PB163895BL	MB	10/04/24 11:55		rubina	OK
14	PB163895BS	PB163895BS	LCS	10/04/24 12:06		rubina	OK
15	P4258-02	Chamberlain Ave	SAM	10/04/24 12:06		rubina	OK
16	P4258-02DUP	Chamberlain AveDUP	DUP	10/04/24 12:06		rubina	OK
17	P4258-02MS	Chamberlain AveMS	MS	10/04/24 12:06		rubina	OK
18	P4258-02MSD	Chamberlain AveMSD	MSD	10/04/24 12:06		rubina	OK

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Daily Analysis Runlog For Sequence/QCBatch ID # LB132768

Review By	rubina	Review On	10/7/2024 12:26:12 PM
Supervise By	lwona	Supervise On	10/7/2024 1:03:33 PM
SubDirectory	LB132768	Test	ASTM Ammonia

STD. NAME	STD REF.#
ICAL Standard	WP110057
ICV Standard	WP110059
CCV Standard	WP110058
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP109834
Chk Standard	WP108309,WP110019,WP108709,WP108840

19	CCV2	CCV2	CCV	10/04/24 12:06		rubina	OK
20	CCB2	CCB2	CCB	10/04/24 12:11		rubina	OK

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Daily Analysis Runlog For Sequence/QCBatch ID # LB132776

Review By	Iwona	Review On	10/15/2024 11:24:50 AM
Supervise By	jignesh	Supervise On	10/15/2024 11:26:43 AM
SubDirectory	LB132776	Test	ASTM COD

STD. NAME	STD REF.#
ICAL Standard	N/A
ICV Standard	N/A
CCV Standard	N/A
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	WP108671,WP108668,WP108666,WP108669,WP108667,WP108665,WP109973,WP109972,W3123

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	07/09/24 14:20		Iwona	OK
2	CAL2	CAL2	CAL	07/09/24 14:20		Iwona	OK
3	CAL3	CAL3	CAL	07/09/24 14:21		Iwona	OK
4	CAL4	CAL4	CAL	07/09/24 14:21		Iwona	OK
5	CAL5	CAL5	CAL	07/09/24 14:22		Iwona	OK
6	ICV	ICV	ICV	07/09/24 14:22		Iwona	OK
7	ICB	ICB	ICB	07/09/24 14:23		Iwona	OK
8	CCV1	CCV1	CCV	10/04/24 14:30		Iwona	OK
9	CCB1	CCB1	CCB	10/04/24 14:30		Iwona	OK
10	LB132776BL	LB132776BL	MB	10/04/24 14:31		Iwona	OK
11	LB132776BS	LB132776BS	LCS	10/04/24 14:31		Iwona	OK
12	P4258-02	Chamberlain Ave	SAM	10/04/24 14:32		Iwona	OK
13	P4258-02DUP	Chamberlain AveDUP	DUP	10/04/24 14:32		Iwona	OK
14	P4258-02MS	Chamberlain AveMS	MS	10/04/24 14:33		Iwona	OK
15	P4258-02MSD	Chamberlain AveMSD	MSD	10/04/24 14:33		Iwona	OK
16	CCV2	CCV2	CCV	10/04/24 14:34		Iwona	OK
17	CCB2	CCB2	CCB	10/04/24 14:34		Iwona	OK

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Instrument ID: IC-2

Daily Analysis Runlog For Sequence/QCBatch ID # LB132885

Review By	rubina	Review On	10/15/2024 11:23:05 AM
Supervise By	Iwona	Supervise On	10/15/2024 11:23:21 AM
SubDirectory	LB132885	Test	Anions

STD. NAME	STD REF.#
ICAL Standard	WP109717,WP109718,WP109719,WP109720,WP109721,WP109722,WP109723
ICV Standard	WP109724
CCV Standard	WP110165
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP110166
Chk Standard	WP109725,WP109726,WP110167,WP110168,WP110169

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	STD1	STD1	CAL1	09/16/24 11:39	All standards, samples, and	NF/IZ	OK
2	STD2	STD2	CAL2	09/16/24 12:00	QC are filtered through	NF/IZ	OK
3	STD3	STD3	CAL3	09/16/24 12:22	0.45um, filter lot W2865	NF/IZ	OK
4	STD4	STD4	CAL4	09/16/24 12:43		NF/IZ	OK
5	STD5	STD5	CAL5	09/16/24 13:05		NF/IZ	OK
6	STD6	STD6	CAL6	09/16/24 13:26		NF/IZ	OK
7	STD7	STD7	CAL7	09/16/24 13:47		NF/IZ	OK
8	ICV1	ICV1	ICV	09/16/24 15:00		NF/IZ	OK
9	ICB1	ICB1	ICB	09/16/24 15:21		NF/IZ	OK
10	CCV1	CCV1	CCV	10/11/24 10:28		NF/IZ	OK
11	CCB1	CCB1	CCB	10/11/24 10:50		NF/IZ	OK
12	LB132885BLS	LB132885BLS	MB	10/11/24 11:11		NF/IZ	OK
13	LB132885BSS	LB132885BSS	LCS	10/11/24 11:33		NF/IZ	OK
14	P4258-03	Chamberlain Ave	SAM	10/11/24 11:55		NF/IZ	OK
15	P4258-03MS	Chamberlain AveMS	MS	10/11/24 12:16	5ml W3091	NF/IZ	OK
16	P4258-03MSD	Chamberlain AveMSD	MSD	10/11/24 12:38	5ml W3091	NF/IZ	OK
17	P4368-02	LOQ-SOIL-02-QT4-20	LOQ	10/11/24 12:59		NF/IZ	OK
18	P4368-01	LOD-MDL-SOIL-01-Q	SAM	10/11/24 13:21		NF/IZ	OK

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Instrument ID: IC-2

Daily Analysis Runlog For Sequence/QCBatch ID # LB132885

Review By	rubina	Review On	10/15/2024 11:23:05 AM
Supervise By	lwona	Supervise On	10/15/2024 11:23:21 AM
SubDirectory	LB132885	Test	Anions

STD. NAME	STD REF.#
ICAL Standard	WP109717,WP109718,WP109719,WP109720,WP109721,WP109722,WP109723
ICV Standard	WP109724
CCV Standard	WP110165
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP110166
Chk Standard	WP109725,WP109726,WP110167,WP110168,WP110169

19	P4368-01RE	LOD-MDL-SOIL-01-Q	SAM	10/11/24 13:42		NF/IZ	OK
20	CCV2	CCV2	CCV	10/11/24 14:04		NF/IZ	OK
21	CCB2	CCB2	CCB	10/11/24 14:25		NF/IZ	OK

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

Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB132887

Review By	rubina	Review On	10/11/2024 12:50:38 PM
Supervise By	Iwona	Supervise On	10/11/2024 2:07:39 PM
SubDirectory	LB132887	Test	Hexavalent Chromium

STD. NAME	STD REF.#
ICAL Standard	N/A
ICV Standard	N/A
CCV Standard	N/A
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	WP110108,WP107791,WP107796,WP108645

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	10/11/24 11:45		rubina	OK
2	CAL2	CAL2	CAL	10/11/24 11:46		rubina	OK
3	CAL3	CAL3	CAL	10/11/24 11:47		rubina	OK
4	CAL4	CAL4	CAL	10/11/24 11:48		rubina	OK
5	CAL5	CAL5	CAL	10/11/24 11:49		rubina	OK
6	CAL6	CAL6	CAL	10/11/24 11:50		rubina	OK
7	CAL7	CAL7	CAL	10/11/24 11:51		rubina	OK
8	ICV	ICV	ICV	10/11/24 11:52		rubina	OK
9	ICB	ICB	ICB	10/11/24 11:53		rubina	OK
10	CCV1	CCV1	CCV	10/11/24 11:54		rubina	OK
11	CCB1	CCB1	CCB	10/11/24 11:55		rubina	OK
12	RL Check	RL Check	SAM	10/11/24 11:56		rubina	OK
13	PB164052BL	PB164052BL	MB	10/11/24 11:57		rubina	OK
14	PB164052BS	PB164052BS	LCS	10/11/24 11:58		rubina	OK
15	P4258-03	Chamberlain Ave	SAM	10/11/24 11:59		rubina	OK
16	P4368-01	LOD-MDL-SOIL-01-Q	SAM	10/11/24 12:00		rubina	OK
17	P4368-02	LOQ-SOIL-02-QT4-20	SAM	10/11/24 12:01		rubina	OK
18	P4377-01	HD-01-100924	SAM	10/11/24 12:02		rubina	OK

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Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB132887

Review By	rubina	Review On	10/11/2024 12:50:38 PM
Supervise By	Iwona	Supervise On	10/11/2024 2:07:39 PM
SubDirectory	LB132887	Test	Hexavalent Chromium

STD. NAME	STD REF.#
ICAL Standard	N/A
ICV Standard	N/A
CCV Standard	N/A
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	WP110108,WP107791,WP107796,WP108645

19	P4377-01DUP	HD-01-100924DUP	DUP	10/11/24 12:03		rubina	OK
20	P4377-01MSPre	HD-01-100924MS	MS	10/11/24 12:04		rubina	OK
21	P4377-01MS2Ins	HD-01-100924MS	MS	10/11/24 12:05		rubina	OK
22	P4377-01MS3Post	HD-01-100924MS	MS	10/11/24 12:06		rubina	OK
23	CCV2	CCV2	CCV	10/11/24 12:07		rubina	OK
24	CCB2	CCB2	CCB	10/11/24 12:08		rubina	OK
25	P4385-02	SP-1	SAM	10/11/24 12:09		rubina	OK
26	P4385-04	SP-2	SAM	10/11/24 12:10		rubina	OK
27	P4385-06	SP-3	SAM	10/11/24 12:11		rubina	OK
28	P4385-08	SP-4	SAM	10/11/24 12:12		rubina	OK
29	P4385-10	SP-5	SAM	10/11/24 12:13		rubina	OK
30	P4385-12	SP-6	SAM	10/11/24 12:14		rubina	OK
31	P4385-14	SP-7	SAM	10/11/24 12:15		rubina	OK
32	P4385-16	SP-8	SAM	10/11/24 12:16		rubina	OK
33	P4385-18	SP-9	SAM	10/11/24 12:17		rubina	OK
34	P4385-20	SP-10	SAM	10/11/24 12:18		rubina	OK
35	CCV3	CCV3	CCV	10/11/24 12:19		rubina	OK
36	CCB3	CCB3	CCB	10/11/24 12:20		rubina	OK

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LAB CHRONICLE

OrderID:	P4258	**OrderDate:**	10/1/2024 1:21:00 PM
Client:	Roman E&G Corp	**Project:**	Perth Amboy
Contact:	Mark Mattheiss	**Location:**	H11,H51,K11,K21

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4258-01	**Chamberlain Ave**	**SOIL**			**10/01/24 11:45**			**10/01/24**
			Ammonia	SM4500-NH3		10/01/24	10/03/24 10:14	
			COD	SM5220 D			10/03/24 11:42	
			Oil and Grease	1664A			10/03/24 14:30	
			Paint Filter	9095B			10/02/24 14:00	
			TS	SM2540 B			10/02/24 11:00	
			TVS	160.4			10/02/24 15:40	
P4258-02	**Chamberlain Ave**	**WATER**			**10/01/24 11:45**			**10/01/24**
			ASTM Ammonia	SM4500-NH3		10/03/24	10/04/24 12:06	
			ASTM COD	SM5220 D			10/04/24 14:32	
			ASTM Oil and Grease	1664A			10/04/24 10:00	
			ASTM TS	SM2540 B			10/03/24 11:00	
P4258-03	**Chamberlain Ave**	**SOIL**			**10/01/24 11:45**			**10/01/24**
			Anions Group1	9056A			10/11/24 11:55	
			Hexavalent Chromium	7196A		10/11/24	10/11/24 11:59	

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LAB CHRONICLE

			pH	9045D			10/01/24 16:37
P4258-04	**Chamberlain Ave**	**SOIL**			**10/01/24 11:45**		**10/01/24**
			Corrosivity	9045D			10/01/24 15:45
			Ignitability	1030			10/02/24 15:25
			Reactive Cyanide	9012B		10/03/24	10/03/24 13:22
			Reactive Sulfide	9034		10/01/24	10/02/24 12:53

Alliance TECHNICAL GROUP

Soil/Sludge Reactive Sulfide Preparation Sheet

PB163759

SOP ID : M9030B-Sulfide-12

SDG No : N/A

Start Digest Date: 10/01/2024 **Time :** 15:35 **Temp :** N/A

Matrix : SOIL

End Digest Date: 10/01/2024 **Time :** 17:05 **Temp :** N/A

Pippete ID : WC

Balance ID : WC SC-4

Hood ID : HOOD#1 **Digestion tube ID :** M5595 **Block Thermometer ID :** N/A

Block ID : MC-1,MC-2 **Filter paper ID :** N/A **Prep Technician Signature:** RM

Weigh By : RM **pH Meter ID :** N/A **Supervisor Signature:** 12

Standared Name	MLS USED	STD REF. # FROM LOG
PBS003	50.0ML	W3112
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
0.5M ZINC ACETATE	5.0ML	WP108780
FORMALDEHYDE	2.0ML	W2725
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments: 10/01/2024 RM

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Soil/Sludge Reactive Sulfide Preparation Sheet

PB163759

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
P4214-02	CONCRETE-WC-1	5.03	50	N/A	N/A	N/A	N/A	N/A	N/A
P4214-02DUP	CONCRETE-WC-1DUP	5.03	50	N/A	N/A	N/A	N/A	N/A	N/A
P4222-04	TP-5	5.02	50	N/A	N/A	N/A	N/A	N/A	N/A
P4232-04	TP-R	5.04	50	N/A	N/A	N/A	N/A	N/A	N/A
P4236-04	TP4	5.04	50	N/A	N/A	N/A	N/A	N/A	N/A
P4236-08	TP3	5.07	50	N/A	N/A	N/A	N/A	N/A	N/A
P4236-12	TP1	5.01	50	N/A	N/A	N/A	N/A	N/A	N/A
P4236-16	TP2	5.04	50	N/A	N/A	N/A	N/A	N/A	N/A
P4242-04	TP-Q	5.06	50	N/A	N/A	N/A	N/A	N/A	N/A
P4254-04	MH-147-SLUDGE	5.03	50	N/A	N/A	N/A	N/A	N/A	N/A
P4258-04	CHAMBERLAIN AVE	5.05	50	N/A	N/A	N/A	N/A	N/A	N/A
PB163759BL	PBS759	5.00	50	N/A	N/A	N/A	N/A	N/A	N/A

Alliance TECHNICAL GROUP

Soil/Sludge Ammonia Preparation Sheet

PB163850

SOP ID : MSM4500-NH3 B,G-Ammonia-17

SDG No : N/A

Start Digest Date: 10/01/2024 **Time :** 14:20 **Temp :** 150 °C

Matrix : SOIL

End Digest Date: 10/01/2024 **Time :** 15:20 **Temp :** 160 °C

Pippete ID : WC

Balance ID : WC SC-4

Hood ID : HOOD#2 **Digestion tube ID :** M5595 **Block Thermometer ID :** WC CYANIDE

Block ID : WC-DIST-BLOCK-1 **Filter paper ID :** N/A **Prep Technician Signature:** RM

Weigh By : RM **pH Meter ID :** N/A **Supervisor Signature:** JC

Standared Name	MLS USED	STD REF. # FROM LOG
LCSS	1.0ML	WP109834
MS/MSD SPIKE SOL.	1.0ML	WP109833
PBS003	50.0ML	W3112
RL CHECK	0.1ML	WP109833
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
BORATE BUFFER	2.5ML	WP108708
NAOH 6N	0.5-2.0ML	WP108660
H2SO4 0.04N	5.0ML	WP107527
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

ALL GLASSWEAR ARE STEAMED OUT AND THERE WERE NO TRACE OF AMMONIA USING NESLER REAGENT
WP108814

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/01/2024 15:30	RM (WC)	RM (WC)
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Soil/Sludge Ammonia Preparation Sheet

PB163850

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
P4258-01	CHAMBERLAIN AVE	1.04	50	N/A	N/A	N/A	N/A	N/A	N/A
P4258-01DUP	CHAMBERLAIN AVEDUP	1.03	50	N/A	N/A	N/A	N/A	N/A	N/A
P4258-01MS	CHAMBERLAIN AVEMS	1.03	50	N/A	N/A	N/A	N/A	N/A	N/A
P4258-01MSD	CHAMBERLAIN AVEMSD	1.04	50	N/A	N/A	N/A	N/A	N/A	N/A
PB163850BL	PBS850	1.00	50	N/A	N/A	N/A	N/A	N/A	N/A
PB163850BS	LCS850	1.00	50	N/A	N/A	N/A	N/A	N/A	N/A

Alliance TECHNICAL GROUP

Soil/Sludge Reactive Cyanide Preparation Sheet

PB163858

SOP ID : M9012B-Total, Amenable and Reactive Cyanide-20

SDG No : N/A

Start Digest Date: 10/03/2024 **Time :** 08:20 **Temp :** N/A

Matrix : SOIL

End Digest Date: 10/03/2024 **Time :** 09:50 **Temp :** N/A

Pippete ID : WC

Balance ID : WC SC-4

Hood ID : HOOD#1 **Digestion tube ID :** M5595 **Block Thermometer ID :** N/A

Block ID : MC-1, MC-2 **Filter paper ID :** N/A **Prep Technician Signature:** NF

Weigh By : NF **pH Meter ID :** N/A **Supervisor Signature:** [illegible]

Standared Name	MLS USED	STD REF. # FROM LOG
PBS003	50ML	W3112
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
0.25N NaOH	50ML	WP108640
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

LAB SAMPLE ID	CLIENT SAMPLE ID		Comment

Extraction Conformance/Non-Conformance Comments:

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/03/2024 10:05	NF (WC)	RM (WC)
	Preparation Group	**Analysis Group**

Alliance TECHNICAL GROUP

Soil/Sludge Reactive Cyanide Preparation Sheet

PB163858

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
P4222-04	TP-5	5.03	50	N/A	N/A	N/A	N/A	N/A	N/A
P4222-04DUP	TP-5DUP	5.05	50	N/A	N/A	N/A	N/A	N/A	N/A
P4232-04	TP-R	5.07	50	N/A	N/A	N/A	N/A	N/A	N/A
P4236-04	TP4	5.04	50	N/A	N/A	N/A	N/A	N/A	N/A
P4236-08	TP3	5.01	50	N/A	N/A	N/A	N/A	N/A	N/A
P4236-12	TP1	5.05	50	N/A	N/A	N/A	N/A	N/A	N/A
P4236-16	TP2	5.02	50	N/A	N/A	N/A	N/A	N/A	N/A
P4242-04	TP-Q	5.04	50	N/A	N/A	N/A	N/A	N/A	N/A
P4254-04	MH-147-SLUDGE	5.02	50	N/A	N/A	N/A	N/A	N/A	N/A
P4258-04	CHAMBERLAIN AVE	5.03	50	N/A	N/A	N/A	N/A	N/A	N/A
P4270-04	IB-2	5.02	50	N/A	N/A	N/A	N/A	N/A	N/A
P4276-02	VNJ-208	5.02	50	N/A	N/A	N/A	N/A	N/A	N/A
PB163858BL	PBS858	5.00	50	N/A	N/A	N/A	N/A	N/A	N/A

Alliance TECHNICAL GROUP

Water ASTM Ammonia Preparation Sheet

PB163895

17

SOP ID : MSM4500-NH3 B,G-Ammonia-17

SDG No : N/A

Matrix : WATER

Pippete ID : WC

Balance ID : N/A

Hood ID : HOOD#2

Block ID : WC-DIST-BLOCK-1

Weigh By : N/A

Start Digest Date: 10/03/2024 **Time :** 11:50 **Temp :** 150 °C

End Digest Date: 10/03/2024 **Time :** 12:50 **Temp :** 160 °C

Digestion tube ID : M5595

Filter paper ID : N/A

pH Meter ID : N/A

Block Thermometer ID : WC CYANIDE

Prep Technician Signature: RM

Supervisor Signature: 12

Standared Name	MLS USED	STD REF. # FROM LOG
LCSW	1.0ML	WP109834
MS/MSD SPIKE SOL.	1.0ML	WP109833
PBW	50.0ML	W3112
RL CHECK	0.1ML	WP109833
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
BORATE BUFFER	2.5ML	WP108708
NAOH 6N	0.5-2.0ML	WP108660
H2SO4 0.04N	5.0ML	WP107527
pH strip-Ammonia	N/A	W3133
KI-starch paper	N/A	W2965
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

ALL GLASSWEAR ARE STEAMED OUT AND THERE WERE NO TRACE OF AMMONIA USING NESLER REAGENT
WP108814

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/03/2024 13:00	RM (WC)	RM (WC)
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Water ASTM Ammonia Preparation Sheet

PB163895

Lab Sample ID	Client Sample ID	Initial Vol (ml)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
P4258-02	CHAMBERLAIN AVE	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
P4258-02DUP	CHAMBERLAIN AVEDUP	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
P4258-02MS	CHAMBERLAIN AVEMS	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
P4258-02MSD	CHAMBERLAIN AVEMSD	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
PB163895BL	PBW895	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
PB163895BS	LCS895	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A

Alliance TECHNICAL GROUP

Soil/Sludge Hexavalent Chromium Preparation Sheet

PB164052

SOP ID : M3060A,7196A-Hex.Chromium-26

SDG No : N/A

Matrix : SOIL

Pippete ID : WC

Balance ID : WC SC-4

Hood ID : HOOD#3

Block ID : WC S-2, WC S-1

Weigh By : RM

Start Digest Date: 10/11/2024 **Time :** 08:45 **Temp :** 90 °C

End Digest Date: 10/11/2024 **Time :** 09:45 **Temp :** 95 °C

I batch 10/11/2024 10:00 90 c
10/11/2024 11:00 95 c RM

Digestion tube ID : M6054

Filter paper ID : 400213

pH Meter ID : WC pH meter-1

Block Thermometer ID : WC-Block#1

Prep Technician Signature: RM

Supervisor Signature: IR

Standared Name	MLS USED	STD REF. # FROM LOG
PRE-DIGESTION SPIKE	2.0ML	WP108658
INSOLUBLE SPIKE	0.02GM	W2202
POST-DIGESTION SPIKE	2.0ML	WP108658
LCSS	1.0ML	WP108659
PBS003	50.0ML	W3112

Chemical Used	ML/SAMPLE USED	Lot Number
MAGNESIUM CHLORIDE	0.4GM	W3001
PHOSPHATE BUFFER	0.5ML	WP108008
HEX. DIGESTION SOLN.	50ML	WP110092
5M HNO3	5-7ML	WP107796
5N H2SO4	1-3ML	WP107791
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

LAB SAMPLE ID	CLIENT SAMPLE ID	Vol(ml)	Comment
CAL1	CAL1	2.5ML	W3112
CAL2	CAL2	0.2ML	WP110145
CAL3	CAL3	0.5ML	WP110145
CAL4	CAL4	1ML	WP110145
CAL5	CAL5	0.2ML	WP108658
CAL6	CAL6	1ML	WP108658
CAL7	CAL7	2.0ML	WP108658
ICV	ICV	1ML	WP108659
ICB	ICB	2.5ML	W3112
CCV	CCV	1ML	WP108658
CCB	CCB	2.5ML	W3112

Extraction Conformance/Non-Conformance Comments: 10/11/2024 RM

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Soil/Sludge Hexavalent Chromium Preparation Sheet

PB164052

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
P4258-03	CHAMBERLAIN AVE	2.53	100	N/A	N/A	N/A	N/A	N/A	N/A
P4368-01	LOD-MDL-SOIL-01-QT4-2024	2.50	100	N/A	N/A	N/A	N/A	N/A	N/A
P4368-02	LOQ-SOIL-02-QT4-2024	2.50	100	N/A	N/A	N/A	N/A	N/A	N/A
P4377-01	HD-01-100924	2.53	100	N/A	N/A	N/A	N/A	N/A	N/A
P4377-01DUP	HD-01-100924DUP	2.52	100	N/A	N/A	N/A	N/A	N/A	N/A
P4377-01MSPre	HD-01-100924MSPRE	2.53	100	N/A	N/A	N/A	N/A	N/A	N/A
P4377-01MS2Ins	HD-01-100924MS2INS	2.54	100	N/A	N/A	N/A	N/A	N/A	N/A
P4377-01MS3Post	HD-01-100924MS3POST	2.54	100	N/A	N/A	N/A	N/A	N/A	N/A
P4385-02	SP-1	2.51	100	N/A	N/A	N/A	N/A	N/A	N/A
P4385-04	SP-2	2.52	100	N/A	N/A	N/A	N/A	N/A	N/A
P4385-06	SP-3	2.54	100	N/A	N/A	N/A	N/A	N/A	N/A
P4385-08	SP-4	2.52	100	N/A	N/A	N/A	N/A	N/A	N/A
P4385-10	SP-5	2.52	100	N/A	N/A	N/A	N/A	N/A	N/A
P4385-12	SP-6	2.54	100	N/A	N/A	N/A	N/A	N/A	N/A
P4385-14	SP-7	2.51	100	N/A	N/A	N/A	N/A	N/A	N/A
P4385-16	SP-8	2.51	100	N/A	N/A	N/A	N/A	N/A	N/A
P4385-18	SP-9	2.53	100	N/A	N/A	N/A	N/A	N/A	N/A
P4385-20	SP-10	2.52	100	N/A	N/A	N/A	N/A	N/A	N/A
PB164052BL	PBS052	2.50	100	N/A	N/A	N/A	N/A	N/A	N/A
PB164052BS	LCS052	2.50	100	N/A	N/A	N/A	N/A	N/A	N/A

SHIPPING DOCUMENTS

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. P4258 / P4261
QUOTE NO.
COC Number 2041986

18
18.1

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Roman E&G
ADDRESS: 14 Ogden St
CITY Newark STATE: NJ ZIP: 07104
ATTENTION: Sonny Puzzo
PHONE: 973-482-1123 FAX: 973-482-7154

CLIENT PROJECT INFORMATION

PROJECT NAME: Perth Amboy Watermain
PROJECT NO.: 24-651 LOCATION: Perth Amboy
PROJECT MANAGER: Mark Matthiess
e-mail: engineer@romaneg.com
PHONE: 973-482-1123 FAX: 973-482-7154

CLIENT BILLING INFORMATION

BILL TO: Roman E&G PO#: 24-651
ADDRESS: 14 Ogden St
CITY Newark STATE: NJ ZIP 07104
ATTENTION: Frank PHONE: 973-482-1123

DATA TURNAROUND INFORMATION

FAX (RUSH) 6 10/7 DAYS*
HARDCOPY (DATA PACKAGE): 6 10/7 DAYS*
EDD: 6 10/7 DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only)
- ☐ Level 2 (Results + QC)
- ☐ Level 3 (Results + QC + Raw Data)
- ☐ Level 4 (QC + Full Raw Data)
- ☐ NJ Reduced
- ☐ US EPA CLP
- ☐ NYS ASP A
- ☐ NYS ASP B
- ☐ Other
- ☐ EDD FORMAT NJ-DEP-SRS

ANALYSIS

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	Chamberlain Ave	S		X	10/1	11:45	1										
2.		S		X	10/1	11:45	1										
3.		S		X	10/1	11:45	1										
4.		S		X	10/1	11:45	1										
5.		S		X	10/1	11:45	1										
6.		S		X	10/1	11:45	1										
7.		S		X	10/1	11:45	1										
8.		S		X	10/1	11:45	1										
9.																	
10.																	

Comments: ← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. Sonny Puzzo	10/1 12:54	1.
2.		2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 22.1 °C
Comments: If Cm # (

Page ____ of ____

CLIENT: ☐ Hand Delivered ☐ Other ____
CHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete ☐ YES ☐ NO

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WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

Test Group	Analyses	Matrix	Method
METALS-TAL	Mercury	Water	7470A
	TAL ICP Metals	Water	6010D
RCRA CHARACTERIS	Flash Point	Water	1010B
	pH	Water	9040C
	Reactive Cyanide	Water	9012B
	Reactive Sulfide	Water	9034
TCLP METALS	TCLP Extraction	Water	1311
	TCLP ICP Metals	Water	6010D
	TCLP Mercury	Water	7470A
GROWS Concrete	Ammonia	Solid	SM4500-NH3
	Chemical Oxygen Demar	Solid	SM5220 D
	Oil & Grease	Solid	1664A
	Paint Filter Test	Solid	9095B
	PCBs	Solid	8082A
	Percent Solids	Solid	Chemtech -SOP
	pH	Solid	9045D
	Total Solids	Solid	SM2540 B
	Total Volatile Solids	Solid	160.4
GROWS Concrete AS	ASTM Leachate/ Ammon	Solid	SM4500-NH3
	ASTM Leachate/COD	Solid	SM5220 D
	ASTM Leachate Extracti	Solid	ASTM
	ASTM Leachate/Oil & Gr	Solid	1664A
	ASTM Leachate/Total Sol	Solid	SM2540 B
GROWS Concrete-Wa	Corrosivity	Solid	9045D
	Ignitability	Solid	1030
	Reactive Cyanide	Solid	9012B
	Reactive Sulfide	Solid	9034
	TCLP Semivolatiles	Solid	8270E
	TCLP Extraction	Solid	1311
	TCLP Herbicides	Solid	8151A
	TCLP Mercury	Solid	7470A
	TCLP Metals + Cu+Ni+Zr	Solid	6010D
	TCLP Pesticides	Solid	8081B
	TCLP Volatiles	Solid	8260C
	TCLP ZHE Extraction	Solid	1311 ZHE
GROWS Soil	PCBs	Solid	8082A
	Percent Solids	Solid	Chemtech -SOP
	pH	Solid	9045D
	TCL Volatiles+10	Solid	8260D
GROWS Soil-Waste C	Corrosivity	Solid	9045D
	Ignitability	Solid	1030
	Reactive Cyanide	Solid	9012B
	Reactive Sulfide	Solid	9034
	TCLP Semivolatiles	Solid	8270E
	TCLP Extraction	Solid	1311
	TCLP Herbicides	Solid	8151A
	TCLP Mercury	Solid	7470A
	TCLP Metals + Cu+Ni+Zr	Solid	6010D
	TCLP Pesticides	Solid	8081B
	TCLP Volatiles	Solid	8260D
	TCLP ZHE Extraction	Solid	1311 ZHE

Grows Concrete

Grows Concrete ASTM

Grows Soil

Grows Soil - Waste Class

seperate

seperate

18
18.2

From: Kiran Saleem <Kiran.Saleem@alliancetg.com>
Sent: Wednesday, October 2, 2024 11:07 AM
Subject: Re: Project: Perth Amboy Query

Good Morning Sonny,

I am reaching out to inform you that samples received for project were out of temperature range of -6.

It's a standard procedure to inform client, for documentation purposes.

Regards,

Kiran Saleem
Project Manager
An Alliance Technical Group Company
Main: 908-789-8900
Direct: 908-728-3148
Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092
www.alliancetg.com

From: Sonny Puzzo <spuzzo@romaneg.com>
Sent: Tuesday, October 1, 2024 3:16 PM
To: Kiran Saleem <Kiran.Saleem@alliancetg.com>
Subject: Re: Project: Perth Amboy Query

EXTERNAL EMAIL - This email was sent by a person from outside your organization. Exercise caution when clicking links, opening attachments or taking further action, before validating its authenticity.

Secured by Check Point

Kiran,

Should be 24-651.

Thank you.

All the Best,

Sonny Puzzo
Project Coordinator

14 Ogden Street
Newark, NJ 07104
Office: (973) 482-1123 Ext:21
Fax: (973) 482-7154
Cell: (973) 803-6113

18
18.2

From: Kiran Saleem <Kiran.Saleem@alliancetg.com>
Sent: Tuesday, October 1, 2024 3:15 PM
To: Sonny Puzzo <spuzzo@romaneg.com>
Subject: Re: Project: Perth Amboy Query

Also, can you please clarify the PO# under 'Client Billing Information', I can't make out what the first digit is.

Regards,

Kiran Saleem
Project Manager
An Alliance Technical Group Company
Main: 908-789-8900
Direct: 908-728-3148
Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092
www.alliancetg.com

From: Kiran Saleem <Kiran.Saleem@alliancetg.com>
Sent: Tuesday, October 1, 2024 2:35 PM
To: Sonny Puzzo <spuzzo@romaneg.com>
Subject: Re: Project: Perth Amboy Query

Thank you Sonny.

Regards,

Kiran Saleem
Project Manager
An Alliance Technical Group Company
Main: 908-789-8900
Direct: 908-728-3148
Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092
www.alliancetg.com

From: Sonny Puzzo <spuzzo@romaneg.com>
Sent: Tuesday, October 1, 2024 2:26 PM
To: Kiran Saleem <Kiran.Saleem@alliancetg.com>
Cc: Jordan Hedvat <Jordan.Hedvat@alliancetg.com>
Subject: Re: Project: Perth Amboy Query

EXTERNAL EMAIL - This email was sent by a person from outside your organization. Exercise caution when clicking links, opening attachments or taking further action, before validating its authenticity.

Secured by Check Point

Good Afternoon Kiran,

Roman would like the results of the test back by 10/7.

Sorry for the confusion... Thank you!

All the Best,

Sonny Puzzo
Project Coordinator

14 Ogden Street
Newark, NJ 07104
Office: (973) 482-1123 Ext:21
Fax: (973) 482-7154
Cell: (973) 803-6113
Veteran-Owned Business (NJ)

From: Kiran Saleem <Kiran.Saleem@alliancetg.com>
Sent: Tuesday, October 1, 2024 2:19 PM
To: Sonny Puzzo <spuzzo@romaneg.com>
Cc: Jordan Hedvat <Jordan.Hedvat@alliancetg.com>
Subject: Project: Perth Amboy Query

Hi Sonny,

I am reaching out to regarding the Turn around time (TAT) of the results, the fax required says 6 days and then 10/7 which is confusing.

If results are required on 10/7, then TAT would be 4 days. If results are required in 6 days, then you will have results on 10/9.

Please confirm ASAP. Attached COC for your review.

Thanks.

NOTE: Chemtech is now an Alliance Technical Group company. Please add AllianceTG.com to your safe senders list to ensure receipt of important emails.

Regards,

Kiran Saleem
Project Manager
An Alliance Technical Group Company
Main: 908-789-8900
Direct: 908-728-3148
Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092
www.alliancetg.com

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (L-A-B)	L2219
Maine	2024021
Maryland	296
New Hampshire	255423
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

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

18,A,001
Q1218,024
9863
ZN
S5
D15
JF
R25,0
£100
GW0,0,102,1218

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LOGIN REPORT/SAMPLE TRANSFER

Order ID : P4258 ROMA02
Client Name : Roman E&G Corp
Client Contact : Mark Mattheiss
Invoice Name : Roman E&G Corp
Invoice Contact : Mark Mattheiss

Order Date : 10/1/2024 1:21:00 PM
Project Name : Perth Amboy
Receive DateTime : 10/1/2024 12:54:00 PM
Purchase Order :

Project Mgr : Kiran
Report Type : ~~Level 2~~ NJ Reduced
EDD Type : ~~Excel NJ~~ HAZ/Excel
Hard Copy Date :
Date Signoff : 10/1/2024 3:13:24 PM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
P4258-03	Chamberlain Ave	Solid	10/01/2024	11:45	VOC-TCLVOA-10	GROWS Soil	8260D		4 Bus. Days
P4258-04	Chamberlain Ave	Solid	10/01/2024	11:45	TCLP VOA	ROWS Soil-Waste Cla	8260C		4 Bus. Days

Relinguished By :
Date / Time : 10-2-24 8:03

Received By :
Date / Time : 10/02/24 8:03
Storage Area : VOA Refridgerator Room