ANALYTICAL REPORT

Job Number: 580-111294-1

Job Description: Red Hill NOI GW

For:
AECOM
1001 Bishop Street
Honolulu, HI 96813

Attention: Alethea Ramos

Approved for release.
Elaine M Walker
Project Manager II
3/23/2022 8:17 PM

Elaine M Walker, Project Manager II
5755 8th Street East, Tacoma, WA, 98424
(253)248-4972
m.elaine.walker@eurofinset.com
03/23/2022

The data in the report relate to the field sample(s) as received by the laboratory and associated QC. All results have been reviewed and have been found to be compliant with laboratory and accreditation requirements, with the exception of the noted deviation(s). For questions, please contact the Project Manager.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northwest, LLC Project Manager.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Eurofins Seattle
5755 8th Street East, Tacoma, WA 98424
Tel (253) 922-2310 www.EurofinsUS.com

Table of Contents

Table of Contents

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Estimated: The analyte was positively identified; the quantitation is an estimation
M	Manual integrated compound.
Q	One or more quality control criteria failed.
U	Undetected at the Limit of Detection.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

CASE NARRATIVE
Client: AECOM
Project: Red Hill NOI GW
Report Number: 580-111294-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

Following DoD QSM guidelines, manual integrations were performed only when necessary and are in compliance with the laboratory's standard operating procedure, Acceptable Manual Integration Practices, SOP No.: Q-S-002. The reason(s) for manual integration have been documented on the affected chromatogram(s), which is/are provided in the raw data package. The raw data also includes the original chromatogram(s) prior to any manual integration being performed. Manual integrations are detailed in the manual integration summary forms following this narrative.

It should be noted that samples with elevated Limits of Quantitation (LOQs) resulting from a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the LOQs are an unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes within the calibration range of the instrument or that reduces the interferences thereby enabling the quantification of target analytes.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

Five samples were received on 3/11/2022 9:40 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 0.3º C and 1.9º C.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples ERH2692 (OWDFMW01) (580-111294-1), ERH2772 (Equipment Blank) (580-111294-2), ERH2743 (RHMW13-5) (580-111294-3), ERH2744 (RHMW13-5) (580-111294-4) and ERH2745 (RHMW13-5) (580-111294-5) were analyzed for semivolatile organic compounds (GC-MS) in accordance with 8270E. The samples were prepared on 03/17/2022 and analyzed on 03/22/2022.

Surrogate recovery for the following samples were outside control limits: ERH2772 (Equipment Blank) (580-111294-2) and ERH2745 (RHMW13-5) (580-111294-5). The associated samples were ND for all analytes.

The minimum response factor (RF) criteria for the continuing calibration verification (CCV) analyzed in batch 580-384725 was outside criteria for the following analyte: N-Nitrosodi-n-propylamine. As indicated in the reference method, sample analysis may proceed; however, any detection or non-detection for the affected analyte is considered estimated.

The continuing calibration verification (CCV) associated with batch 580-384725 recovered above the upper control limit for bis (2-chloroisopropyl) ether (%D 26.6), Di-n-octyl phthalate (%D 30.8). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: ERH2692 (OWDFMW01) (580-111294-1), ERH2772 (Equipment Blank) (580-111294-2), ERH2743 (RHMW13-5) (580-111294-3), ERH2744 (RHMW13-5) (580-111294-4), ERH2745 (RHMW13-5) (580-111294-5) and (CCVIS 580-384725/3).

The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 580-383995 and 580-384177 and analytical batch 580-384146 recovered outside control limits for the following analytes: 1,2,4-Trichlorobenzene, 1,3-Dichlorobenzene, Hexachlorobutadiene, Hexachlorocyclopentadiene, Hexachloroethane, Phenol, Pyridine and 3 & 4 Methylphenol. The associated LCS and LCSD recoveries were in control.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS - SIM)

Samples ERH2692 (OWDFMW01) (580-111294-1), ERH2772 (Equipment Blank) (580-111294-2), ERH2743 (RHMW13-5) (580-111294-3), ERH2744 (RHMW13-5) (580-111294-4) and ERH2745 (RHMW13-5) (580-111294-5) were analyzed for semivolatile organic compounds (GC-MS - SIM) in accordance with 8270E SIM. The samples were prepared on 03/17/2022 and analyzed on 03/18/2022.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: AECOM
Job ID: 580-111294-1
Project/Site: Red Hill NOI GW

Client Sample ID: ERH2692 (OWDFMW01) — Lab Sample ID: 580-111294-1

No Detections.

Client Sample ID: ERH2772 (Equipment Blank) — Lab Sample ID: 580-111294-2

No Detections.

Client Sample ID: ERH2743 (RHMW13-5) — Lab Sample ID: 580-111294-3

No Detections.

Client Sample ID: ERH2744 (RHMW13-5) — Lab Sample ID: 580-111294-4

Analyte	Result	Qualifier	LOQ	DL	Unit	Dil Fac	D	Method	Prep Type
Bis(2-chloroethoxy)methane	0.27	J	0.57	0.048	ug/L	1		8270E	Total/NA

Client Sample ID: ERH2745 (RHMW13-5) — Lab Sample ID: 580-111294-5

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: ERH2692 (OWDFMW01)

Date Collected: 03/10/22 10:05
Date Received: 03/11/22 09:40

Lab Sample ID: 580-111294-1

Matrix: Water

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	0.033	U M	0.10	0.020	ug/L		03/17/22 11:35	03/18/22 13:59	1
2-Methylnaphthalene	0.082	U M	0.21	0.040	ug/L		03/17/22 11:35	03/18/22 13:59	1
Acenaphthene	0.033	U M	0.10	0.014	ug/L		03/17/22 11:35	03/18/22 13:59	1
Acenaphthylene	0.033	U M	0.052	0.0093	ug/L		03/17/22 11:35	03/18/22 13:59	1
Anthracene	0.082	U M	0.10	0.023	ug/L		03/17/22 11:35	03/18/22 13:59	1
Benzo[a]anthracene	0.033	U M	0.052	0.014	ug/L		03/17/22 11:35	03/18/22 13:59	1
Benzo[a]pyrene	0.033	U M	0.10	0.011	ug/L		03/17/22 11:35	03/18/22 13:59	1
Benzo[b]fluoranthene	0.033	U	0.052	0.011	ug/L		03/17/22 11:35	03/18/22 13:59	1
Benzo[g,h,i]perylene	0.033	U	0.052	0.012	ug/L		03/17/22 11:35	03/18/22 13:59	1
Benzo[k]fluoranthene	0.033	U	0.052	0.012	ug/L		03/17/22 11:35	03/18/22 13:59	1
Chrysene	0.033	U M	0.10	0.016	ug/L		03/17/22 11:35	03/18/22 13:59	1
Dibenz(a,h)anthracene	0.033	U	0.10	0.027	ug/L		03/17/22 11:35	03/18/22 13:59	1
Fluoranthene	0.033	U M	0.21	0.019	ug/L		03/17/22 11:35	03/18/22 13:59	1
Fluorene	0.033	U M	0.10	0.018	ug/L		03/17/22 11:35	03/18/22 13:59	1
Indeno[1,2,3-cd]pyrene	0.033	U	0.052	0.014	ug/L		03/17/22 11:35	03/18/22 13:59	1
Naphthalene	0.082	U M	0.10	0.032	ug/L		03/17/22 11:35	03/18/22 13:59	1
Phenanthrene	0.082	U M	0.10	0.032	ug/L		03/17/22 11:35	03/18/22 13:59	1
Pyrene	0.082	U M	0.10	0.034	ug/L		03/17/22 11:35	03/18/22 13:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-methylnaphthalene-d10	*63*		*40 - 140*	*03/17/22 11:35*	*03/18/22 13:59*	*1*
Fluoranthene-d10 (Surr)	*82*		*40 - 140*	*03/17/22 11:35*	*03/18/22 13:59*	*1*
Terphenyl-d14	*90*		*58 - 132*	*03/17/22 11:35*	*03/18/22 13:59*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	0.31	U Q	0.41	0.093	ug/L		03/17/22 11:35	03/22/22 17:10	1
1,2-Dichlorobenzene	0.15	U	0.41	0.052	ug/L		03/17/22 11:35	03/22/22 17:10	1
1,3-Dichlorobenzene	0.093	U Q	0.41	0.041	ug/L		03/17/22 11:35	03/22/22 17:10	1
1,4-Dichlorobenzene	0.093	U	0.41	0.041	ug/L		03/17/22 11:35	03/22/22 17:10	1
2,4,5-Trichlorophenol	0.31	U	0.41	0.10	ug/L		03/17/22 11:35	03/22/22 17:10	1
2,4,6-Trichlorophenol	0.31	U	0.62	0.10	ug/L		03/17/22 11:35	03/22/22 17:10	1
2,4-Dichlorophenol	0.52	U	1.0	0.21	ug/L		03/17/22 11:35	03/22/22 17:10	1
2,4-Dimethylphenol	0.52	U	4.1	0.16	ug/L		03/17/22 11:35	03/22/22 17:10	1
2,4-Dinitrophenol	3.3	U	5.2	1.6	ug/L		03/17/22 11:35	03/22/22 17:10	1
2,4-Dinitrotoluene	0.31	U	1.0	0.10	ug/L		03/17/22 11:35	03/22/22 17:10	1
2,6-Dinitrotoluene	0.31	U	0.41	0.10	ug/L		03/17/22 11:35	03/22/22 17:10	1
2-Chloronaphthalene	0.15	U	1.0	0.072	ug/L		03/17/22 11:35	03/22/22 17:10	1
2-Chlorophenol	0.15	U	1.0	0.052	ug/L		03/17/22 11:35	03/22/22 17:10	1
2-Nitrophenol	0.15	U	1.0	0.072	ug/L		03/17/22 11:35	03/22/22 17:10	1
3,3'-Dichlorobenzidine	0.62	U	1.0	0.27	ug/L		03/17/22 11:35	03/22/22 17:10	1
4,6-Dinitro-2-methylphenol	1.2	U	2.1	0.57	ug/L		03/17/22 11:35	03/22/22 17:10	1
4-Bromophenyl phenyl ether	0.15	U	0.62	0.062	ug/L		03/17/22 11:35	03/22/22 17:10	1
4-Chloro-3-methylphenol	0.31	U M	0.62	0.13	ug/L		03/17/22 11:35	03/22/22 17:10	1
4-Chlorophenyl phenyl ether	0.15	U	0.62	0.052	ug/L		03/17/22 11:35	03/22/22 17:10	1
4-Nitrophenol	6.2	U	10	1.8	ug/L		03/17/22 11:35	03/22/22 17:10	1
Azobenzene	0.15	U	2.1	0.062	ug/L		03/17/22 11:35	03/22/22 17:10	1
Bis(2-chloroethoxy)methane	0.15	U	0.62	0.052	ug/L		03/17/22 11:35	03/22/22 17:10	1
Bis(2-chloroethyl)ether	0.093	U	0.10	0.031	ug/L		03/17/22 11:35	03/22/22 17:10	1
Bis(2-ethylhexyl) phthalate	1.6	U	3.1	0.76	ug/L		03/17/22 11:35	03/22/22 17:10	1

Client Sample ID: ERH2692 (OWDFMW01)
Lab Sample ID: 580-111294-1
Date Collected: 03/10/22 10:05
Matrix: Water
Date Received: 03/11/22 09:40

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
bis (2-chloroisopropyl) ether	0.15	U M Q	0.26	0.062	ug/L		03/17/22 11:35	03/22/22 17:10	1
Butyl benzyl phthalate	0.62	U	4.1	0.28	ug/L		03/17/22 11:35	03/22/22 17:10	1
Diethyl phthalate	0.31	U	1.0	0.15	ug/L		03/17/22 11:35	03/22/22 17:10	1
Dimethyl phthalate	0.15	U	0.62	0.062	ug/L		03/17/22 11:35	03/22/22 17:10	1
Di-n-butyl phthalate	0.52	U	3.1	0.20	ug/L		03/17/22 11:35	03/22/22 17:10	1
Di-n-octyl phthalate	0.31	U M Q	1.0	0.13	ug/L		03/17/22 11:35	03/22/22 17:10	1
Hexachlorobenzene	0.093	U	0.62	0.041	ug/L		03/17/22 11:35	03/22/22 17:10	1
Hexachlorobutadiene	0.15	U Q	1.0	0.062	ug/L		03/17/22 11:35	03/22/22 17:10	1
Hexachlorocyclopentadiene	0.31	U Q	1.0	0.14	ug/L		03/17/22 11:35	03/22/22 17:10	1
Hexachloroethane	0.15	U Q	1.0	0.052	ug/L		03/17/22 11:35	03/22/22 17:10	1
Isophorone	0.31	U	0.41	0.10	ug/L		03/17/22 11:35	03/22/22 17:10	1
m+p-Cresol	0.31	U Q	0.62	0.10	ug/L		03/17/22 11:35	03/22/22 17:10	1
Nitrobenzene	0.093	U	1.0	0.041	ug/L		03/17/22 11:35	03/22/22 17:10	1
N-Nitrosodimethylamine	0.62	U	2.1	0.27	ug/L		03/17/22 11:35	03/22/22 17:10	1
N-Nitrosodi-n-propylamine	0.093	U	0.41	0.062	ug/L		03/17/22 11:35	03/22/22 17:10	1
N-Nitrosodiphenylamine	0.15	U	1.0	0.072	ug/L		03/17/22 11:35	03/22/22 17:10	1
o-Cresol	0.15	U	0.62	0.052	ug/L		03/17/22 11:35	03/22/22 17:10	1
Pentachlorophenol	1.0	U	10	0.53	ug/L		03/17/22 11:35	03/22/22 17:10	1
Phenol	0.62	U Q	1.0	0.37	ug/L		03/17/22 11:35	03/22/22 17:10	1
Pyrene	0.093	U	1.0	0.041	ug/L		03/17/22 11:35	03/22/22 17:10	1
Pyridine	3.3	U Q	10	1.1	ug/L		03/17/22 11:35	03/22/22 17:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*69*		*43 - 140*	*03/17/22 11:35*	*03/22/22 17:10*	*1*
2-Fluorobiphenyl	*69*		*44 - 119*	*03/17/22 11:35*	*03/22/22 17:10*	*1*
2-Fluorophenol (Surr)	*53*		*19 - 119*	*03/17/22 11:35*	*03/22/22 17:10*	*1*
Nitrobenzene-d5 (Surr)	*76*		*44 - 120*	*03/17/22 11:35*	*03/22/22 17:10*	*1*
Phenol-d5 (Surr)	*32*		*10 - 120*	*03/17/22 11:35*	*03/22/22 17:10*	*1*
Terphenyl-d14	*97*		*50 - 134*	*03/17/22 11:35*	*03/22/22 17:10*	*1*

Client Sample ID: ERH2772 (Equipment Blank)
Lab Sample ID: 580-111294-2
Date Collected: 03/10/22 11:42
Matrix: Water
Date Received: 03/11/22 09:40

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	0.031	U M	0.095	0.018	ug/L		03/17/22 11:35	03/18/22 14:18	1
2-Methylnaphthalene	0.076	U M	0.19	0.037	ug/L		03/17/22 11:35	03/18/22 14:18	1
Acenaphthene	0.031	U	0.095	0.013	ug/L		03/17/22 11:35	03/18/22 14:18	1
Acenaphthylene	0.031	U	0.048	0.0086	ug/L		03/17/22 11:35	03/18/22 14:18	1
Anthracene	0.076	U M	0.095	0.021	ug/L		03/17/22 11:35	03/18/22 14:18	1
Benzo[a]anthracene	0.031	U	0.048	0.013	ug/L		03/17/22 11:35	03/18/22 14:18	1
Benzo[a]pyrene	0.031	U	0.095	0.010	ug/L		03/17/22 11:35	03/18/22 14:18	1
Benzo[b]fluoranthene	0.031	U	0.048	0.010	ug/L		03/17/22 11:35	03/18/22 14:18	1
Benzo[g,h,i]perylene	0.031	U	0.048	0.011	ug/L		03/17/22 11:35	03/18/22 14:18	1
Benzo[k]fluoranthene	0.031	U	0.048	0.011	ug/L		03/17/22 11:35	03/18/22 14:18	1
Chrysene	0.031	U	0.095	0.015	ug/L		03/17/22 11:35	03/18/22 14:18	1
Dibenz(a,h)anthracene	0.031	U	0.095	0.025	ug/L		03/17/22 11:35	03/18/22 14:18	1
Fluoranthene	0.031	U M	0.19	0.017	ug/L		03/17/22 11:35	03/18/22 14:18	1
Fluorene	0.031	U	0.095	0.016	ug/L		03/17/22 11:35	03/18/22 14:18	1

Client Sample ID: ERH2772 (Equipment Blank)
Lab Sample ID: 580-111294-2

Date Collected: 03/10/22 11:42
Matrix: Water
Date Received: 03/11/22 09:40

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	0.031	U	0.048	0.013	ug/L		03/17/22 11:35	03/18/22 14:18	1
Naphthalene	0.076	U M	0.095	0.030	ug/L		03/17/22 11:35	03/18/22 14:18	1
Phenanthrene	0.076	U M	0.095	0.030	ug/L		03/17/22 11:35	03/18/22 14:18	1
Pyrene	0.076	U M	0.095	0.031	ug/L		03/17/22 11:35	03/18/22 14:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-methylnaphthalene-d10	*51*		*40 - 140*	*03/17/22 11:35*	*03/18/22 14:18*	*1*
Fluoranthene-d10 (Surr)	*72*		*40 - 140*	*03/17/22 11:35*	*03/18/22 14:18*	*1*
Terphenyl-d14	*88*		*58 - 132*	*03/17/22 11:35*	*03/18/22 14:18*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	0.29	U Q	0.38	0.086	ug/L		03/17/22 11:35	03/22/22 17:34	1
1,2-Dichlorobenzene	0.14	U	0.38	0.048	ug/L		03/17/22 11:35	03/22/22 17:34	1
1,3-Dichlorobenzene	0.086	U Q	0.38	0.038	ug/L		03/17/22 11:35	03/22/22 17:34	1
1,4-Dichlorobenzene	0.086	U	0.38	0.038	ug/L		03/17/22 11:35	03/22/22 17:34	1
2,4,5-Trichlorophenol	0.29	U Q	0.38	0.095	ug/L		03/17/22 11:35	03/22/22 17:34	1
2,4,6-Trichlorophenol	0.29	U Q	0.57	0.095	ug/L		03/17/22 11:35	03/22/22 17:34	1
2,4-Dichlorophenol	0.48	U	0.95	0.19	ug/L		03/17/22 11:35	03/22/22 17:34	1
2,4-Dimethylphenol	0.48	U	3.8	0.15	ug/L		03/17/22 11:35	03/22/22 17:34	1
2,4-Dinitrophenol	3.1	U Q	4.8	1.5	ug/L		03/17/22 11:35	03/22/22 17:34	1
2,4-Dinitrotoluene	0.29	U	0.95	0.095	ug/L		03/17/22 11:35	03/22/22 17:34	1
2,6-Dinitrotoluene	0.29	U	0.38	0.095	ug/L		03/17/22 11:35	03/22/22 17:34	1
2-Chloronaphthalene	0.14	U	0.95	0.067	ug/L		03/17/22 11:35	03/22/22 17:34	1
2-Chlorophenol	0.14	U	0.95	0.048	ug/L		03/17/22 11:35	03/22/22 17:34	1
2-Nitrophenol	0.14	U	0.95	0.067	ug/L		03/17/22 11:35	03/22/22 17:34	1
3,3'-Dichlorobenzidine	0.57	U	0.95	0.25	ug/L		03/17/22 11:35	03/22/22 17:34	1
4,6-Dinitro-2-methylphenol	1.1	U Q	1.9	0.52	ug/L		03/17/22 11:35	03/22/22 17:34	1
4-Bromophenyl phenyl ether	0.14	U	0.57	0.057	ug/L		03/17/22 11:35	03/22/22 17:34	1
4-Chloro-3-methylphenol	0.29	U Q	0.57	0.12	ug/L		03/17/22 11:35	03/22/22 17:34	1
4-Chlorophenyl phenyl ether	0.14	U	0.57	0.048	ug/L		03/17/22 11:35	03/22/22 17:34	1
4-Nitrophenol	5.7	U Q	9.5	1.6	ug/L		03/17/22 11:35	03/22/22 17:34	1
Azobenzene	0.14	U	1.9	0.057	ug/L		03/17/22 11:35	03/22/22 17:34	1
Bis(2-chloroethoxy)methane	0.14	U	0.57	0.048	ug/L		03/17/22 11:35	03/22/22 17:34	1
Bis(2-chloroethyl)ether	0.086	U	0.095	0.029	ug/L		03/17/22 11:35	03/22/22 17:34	1
Bis(2-ethylhexyl) phthalate	1.5	U	2.9	0.71	ug/L		03/17/22 11:35	03/22/22 17:34	1
bis (2-chloroisopropyl) ether	0.14	U M Q	0.24	0.057	ug/L		03/17/22 11:35	03/22/22 17:34	1
Butyl benzyl phthalate	0.57	U	3.8	0.26	ug/L		03/17/22 11:35	03/22/22 17:34	1
Diethyl phthalate	0.29	U	0.95	0.14	ug/L		03/17/22 11:35	03/22/22 17:34	1
Dimethyl phthalate	0.14	U	0.57	0.057	ug/L		03/17/22 11:35	03/22/22 17:34	1
Di-n-butyl phthalate	0.48	U	2.9	0.18	ug/L		03/17/22 11:35	03/22/22 17:34	1
Di-n-octyl phthalate	0.29	U M Q	0.95	0.12	ug/L		03/17/22 11:35	03/22/22 17:34	1
Hexachlorobenzene	0.086	U	0.57	0.038	ug/L		03/17/22 11:35	03/22/22 17:34	1
Hexachlorobutadiene	0.14	U Q	0.95	0.057	ug/L		03/17/22 11:35	03/22/22 17:34	1
Hexachlorocyclopentadiene	0.29	U Q	0.95	0.13	ug/L		03/17/22 11:35	03/22/22 17:34	1
Hexachloroethane	0.14	U Q	0.95	0.048	ug/L		03/17/22 11:35	03/22/22 17:34	1
Isophorone	0.29	U	0.38	0.095	ug/L		03/17/22 11:35	03/22/22 17:34	1
m+p-Cresol	0.29	U Q	0.57	0.095	ug/L		03/17/22 11:35	03/22/22 17:34	1
Nitrobenzene	0.086	U	0.95	0.038	ug/L		03/17/22 11:35	03/22/22 17:34	1
N-Nitrosodimethylamine	0.57	U	1.9	0.25	ug/L		03/17/22 11:35	03/22/22 17:34	1

Client Sample ID: ERH2772 (Equipment Blank)
Lab Sample ID: 580-111294-2

Date Collected: 03/10/22 11:42
Matrix: Water
Date Received: 03/11/22 09:40

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	0.086	U	0.38	0.057	ug/L		03/17/22 11:35	03/22/22 17:34	1
N-Nitrosodiphenylamine	0.14	U	0.95	0.067	ug/L		03/17/22 11:35	03/22/22 17:34	1
o-Cresol	0.14	U	0.57	0.048	ug/L		03/17/22 11:35	03/22/22 17:34	1
Pentachlorophenol	0.95	U Q	9.5	0.49	ug/L		03/17/22 11:35	03/22/22 17:34	1
Phenol	0.57	U Q	0.95	0.34	ug/L		03/17/22 11:35	03/22/22 17:34	1
Pyrene	0.086	U	0.95	0.038	ug/L		03/17/22 11:35	03/22/22 17:34	1
Pyridine	3.1	U Q	9.5	1.0	ug/L		03/17/22 11:35	03/22/22 17:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*31*	*M Q*	*43 - 140*	*03/17/22 11:35*	*03/22/22 17:34*	*1*
2-Fluorobiphenyl	*60*		*44 - 119*	*03/17/22 11:35*	*03/22/22 17:34*	*1*
2-Fluorophenol (Surr)	*38*		*19 - 119*	*03/17/22 11:35*	*03/22/22 17:34*	*1*
Nitrobenzene-d5 (Surr)	*56*		*44 - 120*	*03/17/22 11:35*	*03/22/22 17:34*	*1*
Phenol-d5 (Surr)	*22*		*10 - 120*	*03/17/22 11:35*	*03/22/22 17:34*	*1*
Terphenyl-d14	*87*		*50 - 134*	*03/17/22 11:35*	*03/22/22 17:34*	*1*

Client Sample ID: ERH2743 (RHMW13-5)
Lab Sample ID: 580-111294-3

Date Collected: 03/10/22 09:15
Matrix: Water
Date Received: 03/11/22 09:40

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	0.032	U M	0.10	0.019	ug/L		03/17/22 11:35	03/18/22 14:38	1
2-Methylnaphthalene	0.080	U M	0.20	0.039	ug/L		03/17/22 11:35	03/18/22 14:38	1
Acenaphthene	0.032	U	0.10	0.014	ug/L		03/17/22 11:35	03/18/22 14:38	1
Acenaphthylene	0.032	U M	0.050	0.0091	ug/L		03/17/22 11:35	03/18/22 14:38	1
Anthracene	0.080	U M	0.10	0.022	ug/L		03/17/22 11:35	03/18/22 14:38	1
Benzo[a]anthracene	0.032	U M	0.050	0.014	ug/L		03/17/22 11:35	03/18/22 14:38	1
Benzo[a]pyrene	0.032	U	0.10	0.011	ug/L		03/17/22 11:35	03/18/22 14:38	1
Benzo[b]fluoranthene	0.032	U	0.050	0.011	ug/L		03/17/22 11:35	03/18/22 14:38	1
Benzo[g,h,i]perylene	0.032	U	0.050	0.012	ug/L		03/17/22 11:35	03/18/22 14:38	1
Benzo[k]fluoranthene	0.032	U	0.050	0.012	ug/L		03/17/22 11:35	03/18/22 14:38	1
Chrysene	0.032	U	0.10	0.016	ug/L		03/17/22 11:35	03/18/22 14:38	1
Dibenz(a,h)anthracene	0.032	U	0.10	0.026	ug/L		03/17/22 11:35	03/18/22 14:38	1
Fluoranthene	0.032	U	0.20	0.018	ug/L		03/17/22 11:35	03/18/22 14:38	1
Fluorene	0.032	U	0.10	0.017	ug/L		03/17/22 11:35	03/18/22 14:38	1
Indeno[1,2,3-cd]pyrene	0.032	U	0.050	0.014	ug/L		03/17/22 11:35	03/18/22 14:38	1
Naphthalene	0.080	U M	0.10	0.031	ug/L		03/17/22 11:35	03/18/22 14:38	1
Phenanthrene	0.080	U M	0.10	0.031	ug/L		03/17/22 11:35	03/18/22 14:38	1
Pyrene	0.080	U M	0.10	0.033	ug/L		03/17/22 11:35	03/18/22 14:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-methylnaphthalene-d10	*58*		*40 - 140*	*03/17/22 11:35*	*03/18/22 14:38*	*1*
Fluoranthene-d10 (Surr)	*79*		*40 - 140*	*03/17/22 11:35*	*03/18/22 14:38*	*1*
Terphenyl-d14	*87*		*58 - 132*	*03/17/22 11:35*	*03/18/22 14:38*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	0.30	U Q	0.40	0.091	ug/L		03/17/22 11:35	03/22/22 17:58	1
1,2-Dichlorobenzene	0.15	U	0.40	0.050	ug/L		03/17/22 11:35	03/22/22 17:58	1
1,3-Dichlorobenzene	0.091	U Q	0.40	0.040	ug/L		03/17/22 11:35	03/22/22 17:58	1

Client Sample ID: ERH2743 (RHMW13-5)
Lab Sample ID: 580-111294-3

Date Collected: 03/10/22 09:15
Matrix: Water
Date Received: 03/11/22 09:40

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.091	U	0.40	0.040	ug/L		03/17/22 11:35	03/22/22 17:58	1
2,4,5-Trichlorophenol	0.30	U	0.40	0.10	ug/L		03/17/22 11:35	03/22/22 17:58	1
2,4,6-Trichlorophenol	0.30	U	0.60	0.10	ug/L		03/17/22 11:35	03/22/22 17:58	1
2,4-Dichlorophenol	0.50	U	1.0	0.20	ug/L		03/17/22 11:35	03/22/22 17:58	1
2,4-Dimethylphenol	0.50	U	4.0	0.16	ug/L		03/17/22 11:35	03/22/22 17:58	1
2,4-Dinitrophenol	3.2	U	5.0	1.6	ug/L		03/17/22 11:35	03/22/22 17:58	1
2,4-Dinitrotoluene	0.30	U	1.0	0.10	ug/L		03/17/22 11:35	03/22/22 17:58	1
2,6-Dinitrotoluene	0.30	U	0.40	0.10	ug/L		03/17/22 11:35	03/22/22 17:58	1
2-Chloronaphthalene	0.15	U	1.0	0.070	ug/L		03/17/22 11:35	03/22/22 17:58	1
2-Chlorophenol	0.15	U	1.0	0.050	ug/L		03/17/22 11:35	03/22/22 17:58	1
2-Nitrophenol	0.15	U	1.0	0.070	ug/L		03/17/22 11:35	03/22/22 17:58	1
3,3'-Dichlorobenzidine	0.60	U	1.0	0.26	ug/L		03/17/22 11:35	03/22/22 17:58	1
4,6-Dinitro-2-methylphenol	1.2	U	2.0	0.55	ug/L		03/17/22 11:35	03/22/22 17:58	1
4-Bromophenyl phenyl ether	0.15	U	0.60	0.060	ug/L		03/17/22 11:35	03/22/22 17:58	1
4-Chloro-3-methylphenol	0.30	U M	0.60	0.13	ug/L		03/17/22 11:35	03/22/22 17:58	1
4-Chlorophenyl phenyl ether	0.15	U	0.60	0.050	ug/L		03/17/22 11:35	03/22/22 17:58	1
4-Nitrophenol	6.0	U	10	1.7	ug/L		03/17/22 11:35	03/22/22 17:58	1
Azobenzene	0.15	U M	2.0	0.060	ug/L		03/17/22 11:35	03/22/22 17:58	1
Bis(2-chloroethoxy)methane	0.15	U	0.60	0.050	ug/L		03/17/22 11:35	03/22/22 17:58	1
Bis(2-chloroethyl)ether	0.091	U	0.10	0.030	ug/L		03/17/22 11:35	03/22/22 17:58	1
Bis(2-ethylhexyl) phthalate	1.6	U	3.0	0.74	ug/L		03/17/22 11:35	03/22/22 17:58	1
bis (2-chloroisopropyl) ether	0.15	U M Q	0.25	0.060	ug/L		03/17/22 11:35	03/22/22 17:58	1
Butyl benzyl phthalate	0.60	U	4.0	0.27	ug/L		03/17/22 11:35	03/22/22 17:58	1
Diethyl phthalate	0.30	U	1.0	0.15	ug/L		03/17/22 11:35	03/22/22 17:58	1
Dimethyl phthalate	0.15	U	0.60	0.060	ug/L		03/17/22 11:35	03/22/22 17:58	1
Di-n-butyl phthalate	0.50	U	3.0	0.19	ug/L		03/17/22 11:35	03/22/22 17:58	1
Di-n-octyl phthalate	0.30	U M Q	1.0	0.13	ug/L		03/17/22 11:35	03/22/22 17:58	1
Hexachlorobenzene	0.091	U	0.60	0.040	ug/L		03/17/22 11:35	03/22/22 17:58	1
Hexachlorobutadiene	0.15	U Q	1.0	0.060	ug/L		03/17/22 11:35	03/22/22 17:58	1
Hexachlorocyclopentadiene	0.30	U Q	1.0	0.14	ug/L		03/17/22 11:35	03/22/22 17:58	1
Hexachloroethane	0.15	U Q	1.0	0.050	ug/L		03/17/22 11:35	03/22/22 17:58	1
Isophorone	0.30	U	0.40	0.10	ug/L		03/17/22 11:35	03/22/22 17:58	1
m+p-Cresol	0.30	U Q	0.60	0.10	ug/L		03/17/22 11:35	03/22/22 17:58	1
Nitrobenzene	0.091	U	1.0	0.040	ug/L		03/17/22 11:35	03/22/22 17:58	1
N-Nitrosodimethylamine	0.60	U	2.0	0.26	ug/L		03/17/22 11:35	03/22/22 17:58	1
N-Nitrosodi-n-propylamine	0.091	U	0.40	0.060	ug/L		03/17/22 11:35	03/22/22 17:58	1
N-Nitrosodiphenylamine	0.15	U	1.0	0.070	ug/L		03/17/22 11:35	03/22/22 17:58	1
o-Cresol	0.15	U	0.60	0.050	ug/L		03/17/22 11:35	03/22/22 17:58	1
Pentachlorophenol	1.0	U	10	0.51	ug/L		03/17/22 11:35	03/22/22 17:58	1
Phenol	0.60	U M Q	1.0	0.36	ug/L		03/17/22 11:35	03/22/22 17:58	1
Pyrene	0.091	U	1.0	0.040	ug/L		03/17/22 11:35	03/22/22 17:58	1
Pyridine	3.2	U Q	10	1.1	ug/L		03/17/22 11:35	03/22/22 17:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*68*		*43 - 140*	*03/17/22 11:35*	*03/22/22 17:58*	*1*
2-Fluorobiphenyl	*59*		*44 - 119*	*03/17/22 11:35*	*03/22/22 17:58*	*1*
2-Fluorophenol (Surr)	*44*		*19 - 119*	*03/17/22 11:35*	*03/22/22 17:58*	*1*
Nitrobenzene-d5 (Surr)	*70*		*44 - 120*	*03/17/22 11:35*	*03/22/22 17:58*	*1*
Phenol-d5 (Surr)	*24*		*10 - 120*	*03/17/22 11:35*	*03/22/22 17:58*	*1*
Terphenyl-d14	*95*		*50 - 134*	*03/17/22 11:35*	*03/22/22 17:58*	*1*

Client Sample ID: ERH2744 (RHMW13-5)
Lab Sample ID: 580-111294-4

Date Collected: 03/10/22 12:44
Matrix: Water

Date Received: 03/11/22 09:40

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	0.031	U M	0.096	0.018	ug/L		03/17/22 11:35	03/18/22 14:57	1
2-Methylnaphthalene	0.077	U M	0.19	0.037	ug/L		03/17/22 11:35	03/18/22 14:57	1
Acenaphthene	0.031	U M	0.096	0.013	ug/L		03/17/22 11:35	03/18/22 14:57	1
Acenaphthylene	0.031	U M	0.048	0.0086	ug/L		03/17/22 11:35	03/18/22 14:57	1
Anthracene	0.077	U	0.096	0.021	ug/L		03/17/22 11:35	03/18/22 14:57	1
Benzo[a]anthracene	0.031	U	0.048	0.013	ug/L		03/17/22 11:35	03/18/22 14:57	1
Benzo[a]pyrene	0.031	U	0.096	0.011	ug/L		03/17/22 11:35	03/18/22 14:57	1
Benzo[b]fluoranthene	0.031	U	0.048	0.011	ug/L		03/17/22 11:35	03/18/22 14:57	1
Benzo[g,h,i]perylene	0.031	U	0.048	0.011	ug/L		03/17/22 11:35	03/18/22 14:57	1
Benzo[k]fluoranthene	0.031	U	0.048	0.011	ug/L		03/17/22 11:35	03/18/22 14:57	1
Chrysene	0.031	U	0.096	0.015	ug/L		03/17/22 11:35	03/18/22 14:57	1
Dibenz(a,h)anthracene	0.031	U	0.096	0.025	ug/L		03/17/22 11:35	03/18/22 14:57	1
Fluoranthene	0.031	U M	0.19	0.017	ug/L		03/17/22 11:35	03/18/22 14:57	1
Fluorene	0.031	U	0.096	0.016	ug/L		03/17/22 11:35	03/18/22 14:57	1
Indeno[1,2,3-cd]pyrene	0.031	U	0.048	0.013	ug/L		03/17/22 11:35	03/18/22 14:57	1
Naphthalene	0.077	U M	0.096	0.030	ug/L		03/17/22 11:35	03/18/22 14:57	1
Phenanthrene	0.077	U M	0.096	0.030	ug/L		03/17/22 11:35	03/18/22 14:57	1
Pyrene	0.077	U M	0.096	0.032	ug/L		03/17/22 11:35	03/18/22 14:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-methylnaphthalene-d10	*52*		*40 - 140*	*03/17/22 11:35*	*03/18/22 14:57*	*1*
Fluoranthene-d10 (Surr)	*76*		*40 - 140*	*03/17/22 11:35*	*03/18/22 14:57*	*1*
Terphenyl-d14	*87*		*58 - 132*	*03/17/22 11:35*	*03/18/22 14:57*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	0.29	U Q	0.38	0.086	ug/L		03/17/22 11:35	03/22/22 18:22	1
1,2-Dichlorobenzene	0.14	U	0.38	0.048	ug/L		03/17/22 11:35	03/22/22 18:22	1
1,3-Dichlorobenzene	0.086	U Q	0.38	0.038	ug/L		03/17/22 11:35	03/22/22 18:22	1
1,4-Dichlorobenzene	0.086	U	0.38	0.038	ug/L		03/17/22 11:35	03/22/22 18:22	1
2,4,5-Trichlorophenol	0.29	U	0.38	0.096	ug/L		03/17/22 11:35	03/22/22 18:22	1
2,4,6-Trichlorophenol	0.29	U	0.57	0.096	ug/L		03/17/22 11:35	03/22/22 18:22	1
2,4-Dichlorophenol	0.48	U	0.96	0.19	ug/L		03/17/22 11:35	03/22/22 18:22	1
2,4-Dimethylphenol	0.48	U	3.8	0.15	ug/L		03/17/22 11:35	03/22/22 18:22	1
2,4-Dinitrophenol	3.1	U	4.8	1.5	ug/L		03/17/22 11:35	03/22/22 18:22	1
2,4-Dinitrotoluene	0.29	U	0.96	0.096	ug/L		03/17/22 11:35	03/22/22 18:22	1
2,6-Dinitrotoluene	0.29	U	0.38	0.096	ug/L		03/17/22 11:35	03/22/22 18:22	1
2-Chloronaphthalene	0.14	U	0.96	0.067	ug/L		03/17/22 11:35	03/22/22 18:22	1
2-Chlorophenol	0.14	U	0.96	0.048	ug/L		03/17/22 11:35	03/22/22 18:22	1
2-Nitrophenol	0.14	U	0.96	0.067	ug/L		03/17/22 11:35	03/22/22 18:22	1
3,3'-Dichlorobenzidine	0.57	U	0.96	0.25	ug/L		03/17/22 11:35	03/22/22 18:22	1
4,6-Dinitro-2-methylphenol	1.1	U	1.9	0.53	ug/L		03/17/22 11:35	03/22/22 18:22	1
4-Bromophenyl phenyl ether	0.14	U	0.57	0.057	ug/L		03/17/22 11:35	03/22/22 18:22	1
4-Chloro-3-methylphenol	0.29	U	0.57	0.12	ug/L		03/17/22 11:35	03/22/22 18:22	1
4-Chlorophenyl phenyl ether	0.14	U	0.57	0.048	ug/L		03/17/22 11:35	03/22/22 18:22	1
4-Nitrophenol	5.7	U	9.6	1.6	ug/L		03/17/22 11:35	03/22/22 18:22	1
Azobenzene	0.14	U	1.9	0.057	ug/L		03/17/22 11:35	03/22/22 18:22	1
Bis(2-chloroethoxy)methane	**0.27**	**J**	0.57	0.048	ug/L		03/17/22 11:35	03/22/22 18:22	1
Bis(2-chloroethyl)ether	0.086	U	0.096	0.029	ug/L		03/17/22 11:35	03/22/22 18:22	1
Bis(2-ethylhexyl) phthalate	1.5	U	2.9	0.71	ug/L		03/17/22 11:35	03/22/22 18:22	1

Client Sample ID: ERH2744 (RHMW13-5)
Lab Sample ID: 580-111294-4
Date Collected: 03/10/22 12:44
Matrix: Water
Date Received: 03/11/22 09:40

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
bis (2-chloroisopropyl) ether	0.14	U M Q	0.24	0.057	ug/L		03/17/22 11:35	03/22/22 18:22	1
Butyl benzyl phthalate	0.57	U	3.8	0.26	ug/L		03/17/22 11:35	03/22/22 18:22	1
Diethyl phthalate	0.29	U	0.96	0.14	ug/L		03/17/22 11:35	03/22/22 18:22	1
Dimethyl phthalate	0.14	U	0.57	0.057	ug/L		03/17/22 11:35	03/22/22 18:22	1
Di-n-butyl phthalate	0.48	U	2.9	0.18	ug/L		03/17/22 11:35	03/22/22 18:22	1
Di-n-octyl phthalate	0.29	U M Q	0.96	0.12	ug/L		03/17/22 11:35	03/22/22 18:22	1
Hexachlorobenzene	0.086	U	0.57	0.038	ug/L		03/17/22 11:35	03/22/22 18:22	1
Hexachlorobutadiene	0.14	U Q	0.96	0.057	ug/L		03/17/22 11:35	03/22/22 18:22	1
Hexachlorocyclopentadiene	0.29	U Q	0.96	0.13	ug/L		03/17/22 11:35	03/22/22 18:22	1
Hexachloroethane	0.14	U Q	0.96	0.048	ug/L		03/17/22 11:35	03/22/22 18:22	1
Isophorone	0.29	U	0.38	0.096	ug/L		03/17/22 11:35	03/22/22 18:22	1
m+p-Cresol	0.29	U Q	0.57	0.096	ug/L		03/17/22 11:35	03/22/22 18:22	1
Nitrobenzene	0.086	U	0.96	0.038	ug/L		03/17/22 11:35	03/22/22 18:22	1
N-Nitrosodimethylamine	0.57	U	1.9	0.25	ug/L		03/17/22 11:35	03/22/22 18:22	1
N-Nitrosodi-n-propylamine	0.086	U	0.38	0.057	ug/L		03/17/22 11:35	03/22/22 18:22	1
N-Nitrosodiphenylamine	0.14	U	0.96	0.067	ug/L		03/17/22 11:35	03/22/22 18:22	1
o-Cresol	0.14	U	0.57	0.048	ug/L		03/17/22 11:35	03/22/22 18:22	1
Pentachlorophenol	0.96	U	9.6	0.49	ug/L		03/17/22 11:35	03/22/22 18:22	1
Phenol	0.57	U Q	0.96	0.34	ug/L		03/17/22 11:35	03/22/22 18:22	1
Pyrene	0.086	U	0.96	0.038	ug/L		03/17/22 11:35	03/22/22 18:22	1
Pyridine	3.1	U Q	9.6	1.0	ug/L		03/17/22 11:35	03/22/22 18:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*44*		*43 - 140*	*03/17/22 11:35*	*03/22/22 18:22*	*1*
2-Fluorobiphenyl	*62*		*44 - 119*	*03/17/22 11:35*	*03/22/22 18:22*	*1*
2-Fluorophenol (Surr)	*39*		*19 - 119*	*03/17/22 11:35*	*03/22/22 18:22*	*1*
Nitrobenzene-d5 (Surr)	*62*		*44 - 120*	*03/17/22 11:35*	*03/22/22 18:22*	*1*
Phenol-d5 (Surr)	*22*		*10 - 120*	*03/17/22 11:35*	*03/22/22 18:22*	*1*
Terphenyl-d14	*91*		*50 - 134*	*03/17/22 11:35*	*03/22/22 18:22*	*1*

Client Sample ID: ERH2745 (RHMW13-5)
Lab Sample ID: 580-111294-5
Date Collected: 03/10/22 11:05
Matrix: Water
Date Received: 03/11/22 09:40

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	0.031	U M	0.095	0.018	ug/L		03/17/22 11:35	03/18/22 15:16	1
2-Methylnaphthalene	0.076	U M	0.19	0.037	ug/L		03/17/22 11:35	03/18/22 15:16	1
Acenaphthene	0.031	U	0.095	0.013	ug/L		03/17/22 11:35	03/18/22 15:16	1
Acenaphthylene	0.031	U	0.048	0.0086	ug/L		03/17/22 11:35	03/18/22 15:16	1
Anthracene	0.076	U	0.095	0.021	ug/L		03/17/22 11:35	03/18/22 15:16	1
Benzo[a]anthracene	0.031	U	0.048	0.013	ug/L		03/17/22 11:35	03/18/22 15:16	1
Benzo[a]pyrene	0.031	U	0.095	0.011	ug/L		03/17/22 11:35	03/18/22 15:16	1
Benzo[b]fluoranthene	0.031	U	0.048	0.011	ug/L		03/17/22 11:35	03/18/22 15:16	1
Benzo[g,h,i]perylene	0.031	U	0.048	0.011	ug/L		03/17/22 11:35	03/18/22 15:16	1
Benzo[k]fluoranthene	0.031	U	0.048	0.011	ug/L		03/17/22 11:35	03/18/22 15:16	1
Chrysene	0.031	U	0.095	0.015	ug/L		03/17/22 11:35	03/18/22 15:16	1
Dibenz(a,h)anthracene	0.031	U	0.095	0.025	ug/L		03/17/22 11:35	03/18/22 15:16	1
Fluoranthene	0.031	U M	0.19	0.017	ug/L		03/17/22 11:35	03/18/22 15:16	1
Fluorene	0.031	U	0.095	0.016	ug/L		03/17/22 11:35	03/18/22 15:16	1

Client Sample ID: ERH2745 (RHMW13-5)
Lab Sample ID: 580-111294-5

Date Collected: 03/10/22 11:05
Matrix: Water
Date Received: 03/11/22 09:40

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	0.031	U	0.048	0.013	ug/L		03/17/22 11:35	03/18/22 15:16	1
Naphthalene	0.076	U M	0.095	0.030	ug/L		03/17/22 11:35	03/18/22 15:16	1
Phenanthrene	0.076	U M	0.095	0.030	ug/L		03/17/22 11:35	03/18/22 15:16	1
Pyrene	0.076	U M	0.095	0.032	ug/L		03/17/22 11:35	03/18/22 15:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-methylnaphthalene-d10	*57*		*40 - 140*	*03/17/22 11:35*	*03/18/22 15:16*	*1*
Fluoranthene-d10 (Surr)	*74*		*40 - 140*	*03/17/22 11:35*	*03/18/22 15:16*	*1*
Terphenyl-d14	*87*		*58 - 132*	*03/17/22 11:35*	*03/18/22 15:16*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	0.29	U Q	0.38	0.086	ug/L		03/17/22 11:35	03/22/22 18:45	1
1,2-Dichlorobenzene	0.14	U	0.38	0.048	ug/L		03/17/22 11:35	03/22/22 18:45	1
1,3-Dichlorobenzene	0.086	U Q	0.38	0.038	ug/L		03/17/22 11:35	03/22/22 18:45	1
1,4-Dichlorobenzene	0.086	U	0.38	0.038	ug/L		03/17/22 11:35	03/22/22 18:45	1
2,4,5-Trichlorophenol	0.29	U Q	0.38	0.095	ug/L		03/17/22 11:35	03/22/22 18:45	1
2,4,6-Trichlorophenol	0.29	U Q	0.57	0.095	ug/L		03/17/22 11:35	03/22/22 18:45	1
2,4-Dichlorophenol	0.48	U	0.95	0.19	ug/L		03/17/22 11:35	03/22/22 18:45	1
2,4-Dimethylphenol	0.48	U	3.8	0.15	ug/L		03/17/22 11:35	03/22/22 18:45	1
2,4-Dinitrophenol	3.1	U Q	4.8	1.5	ug/L		03/17/22 11:35	03/22/22 18:45	1
2,4-Dinitrotoluene	0.29	U	0.95	0.095	ug/L		03/17/22 11:35	03/22/22 18:45	1
2,6-Dinitrotoluene	0.29	U	0.38	0.095	ug/L		03/17/22 11:35	03/22/22 18:45	1
2-Chloronaphthalene	0.14	U	0.95	0.067	ug/L		03/17/22 11:35	03/22/22 18:45	1
2-Chlorophenol	0.14	U	0.95	0.048	ug/L		03/17/22 11:35	03/22/22 18:45	1
2-Nitrophenol	0.14	U	0.95	0.067	ug/L		03/17/22 11:35	03/22/22 18:45	1
3,3'-Dichlorobenzidine	0.57	U	0.95	0.25	ug/L		03/17/22 11:35	03/22/22 18:45	1
4,6-Dinitro-2-methylphenol	1.1	U Q	1.9	0.53	ug/L		03/17/22 11:35	03/22/22 18:45	1
4-Bromophenyl phenyl ether	0.14	U	0.57	0.057	ug/L		03/17/22 11:35	03/22/22 18:45	1
4-Chloro-3-methylphenol	0.29	U M Q	0.57	0.12	ug/L		03/17/22 11:35	03/22/22 18:45	1
4-Chlorophenyl phenyl ether	0.14	U	0.57	0.048	ug/L		03/17/22 11:35	03/22/22 18:45	1
4-Nitrophenol	5.7	U Q	9.5	1.6	ug/L		03/17/22 11:35	03/22/22 18:45	1
Azobenzene	0.14	U	1.9	0.057	ug/L		03/17/22 11:35	03/22/22 18:45	1
Bis(2-chloroethoxy)methane	0.14	U	0.57	0.048	ug/L		03/17/22 11:35	03/22/22 18:45	1
Bis(2-chloroethyl)ether	0.086	U M	0.095	0.029	ug/L		03/17/22 11:35	03/22/22 18:45	1
Bis(2-ethylhexyl) phthalate	1.5	U	2.9	0.71	ug/L		03/17/22 11:35	03/22/22 18:45	1
bis (2-chloroisopropyl) ether	0.14	U M Q	0.24	0.057	ug/L		03/17/22 11:35	03/22/22 18:45	1
Butyl benzyl phthalate	0.57	U	3.8	0.26	ug/L		03/17/22 11:35	03/22/22 18:45	1
Diethyl phthalate	0.29	U	0.95	0.14	ug/L		03/17/22 11:35	03/22/22 18:45	1
Dimethyl phthalate	0.14	U	0.57	0.057	ug/L		03/17/22 11:35	03/22/22 18:45	1
Di-n-butyl phthalate	0.48	U	2.9	0.18	ug/L		03/17/22 11:35	03/22/22 18:45	1
Di-n-octyl phthalate	0.29	U M Q	0.95	0.12	ug/L		03/17/22 11:35	03/22/22 18:45	1
Hexachlorobenzene	0.086	U	0.57	0.038	ug/L		03/17/22 11:35	03/22/22 18:45	1
Hexachlorobutadiene	0.14	U Q	0.95	0.057	ug/L		03/17/22 11:35	03/22/22 18:45	1
Hexachlorocyclopentadiene	0.29	U Q	0.95	0.13	ug/L		03/17/22 11:35	03/22/22 18:45	1
Hexachloroethane	0.14	U Q	0.95	0.048	ug/L		03/17/22 11:35	03/22/22 18:45	1
Isophorone	0.29	U	0.38	0.095	ug/L		03/17/22 11:35	03/22/22 18:45	1
m+p-Cresol	0.29	U Q	0.57	0.095	ug/L		03/17/22 11:35	03/22/22 18:45	1
Nitrobenzene	0.086	U	0.95	0.038	ug/L		03/17/22 11:35	03/22/22 18:45	1
N-Nitrosodimethylamine	0.57	U	1.9	0.25	ug/L		03/17/22 11:35	03/22/22 18:45	1

Client Sample ID: ERH2745 (RHMW13-5)
Lab Sample ID: 580-111294-5

Date Collected: 03/10/22 11:05
Matrix: Water
Date Received: 03/11/22 09:40

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	0.086	U	0.38	0.057	ug/L		03/17/22 11:35	03/22/22 18:45	1
N-Nitrosodiphenylamine	0.14	U	0.95	0.067	ug/L		03/17/22 11:35	03/22/22 18:45	1
o-Cresol	0.14	U	0.57	0.048	ug/L		03/17/22 11:35	03/22/22 18:45	1
Pentachlorophenol	0.95	U Q	9.5	0.49	ug/L		03/17/22 11:35	03/22/22 18:45	1
Phenol	0.57	U Q	0.95	0.34	ug/L		03/17/22 11:35	03/22/22 18:45	1
Pyrene	0.086	U	0.95	0.038	ug/L		03/17/22 11:35	03/22/22 18:45	1
Pyridine	3.1	U Q	9.5	1.0	ug/L		03/17/22 11:35	03/22/22 18:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*39*	*Q*	*43 - 140*	*03/17/22 11:35*	*03/22/22 18:45*	*1*
2-Fluorobiphenyl	*62*		*44 - 119*	*03/17/22 11:35*	*03/22/22 18:45*	*1*
2-Fluorophenol (Surr)	*42*		*19 - 119*	*03/17/22 11:35*	*03/22/22 18:45*	*1*
Nitrobenzene-d5 (Surr)	*64*		*44 - 120*	*03/17/22 11:35*	*03/22/22 18:45*	*1*
Phenol-d5 (Surr)	*23*		*10 - 120*	*03/17/22 11:35*	*03/22/22 18:45*	*1*
Terphenyl-d14	*90*		*50 - 134*	*03/17/22 11:35*	*03/22/22 18:45*	*1*

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Prep: 3510C

Analyte	LOQ	DL	Units
1-Methylnaphthalene	0.10	0.019	ug/L
2-Methylnaphthalene	0.20	0.039	ug/L
Acenaphthene	0.10	0.014	ug/L
Acenaphthylene	0.050	0.0090	ug/L
Anthracene	0.10	0.022	ug/L
Benzo[a]anthracene	0.050	0.014	ug/L
Benzo[a]pyrene	0.10	0.011	ug/L
Benzo[b]fluoranthene	0.050	0.011	ug/L
Benzo[g,h,i]perylene	0.050	0.012	ug/L
Benzo[k]fluoranthene	0.050	0.012	ug/L
Chrysene	0.10	0.016	ug/L
Dibenz(a,h)anthracene	0.10	0.026	ug/L
Fluoranthene	0.20	0.018	ug/L
Fluorene	0.10	0.017	ug/L
Indeno[1,2,3-cd]pyrene	0.050	0.014	ug/L
Naphthalene	0.10	0.031	ug/L
Phenanthrene	0.10	0.031	ug/L
Pyrene	0.10	0.033	ug/L

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Prep: 3510C

Analyte	LOQ	DL	Units
1,2,4-Trichlorobenzene	0.40	0.090	ug/L
1,2-Dichlorobenzene	0.40	0.050	ug/L
1,3-Dichlorobenzene	0.40	0.040	ug/L
1,4-Dichlorobenzene	0.40	0.040	ug/L
2,4,5-Trichlorophenol	0.40	0.10	ug/L
2,4,6-Trichlorophenol	0.60	0.10	ug/L
2,4-Dichlorophenol	1.0	0.20	ug/L
2,4-Dimethylphenol	4.0	0.16	ug/L
2,4-Dinitrophenol	5.0	1.6	ug/L
2,4-Dinitrotoluene	1.0	0.10	ug/L
2,6-Dinitrotoluene	0.40	0.10	ug/L
2-Chloronaphthalene	1.0	0.070	ug/L
2-Chlorophenol	1.0	0.050	ug/L
2-Nitrophenol	1.0	0.070	ug/L
3,3'-Dichlorobenzidine	1.0	0.26	ug/L
4,6-Dinitro-2-methylphenol	2.0	0.55	ug/L
4-Bromophenyl phenyl ether	0.60	0.060	ug/L
4-Chloro-3-methylphenol	0.60	0.13	ug/L
4-Chlorophenyl phenyl ether	0.60	0.050	ug/L
4-Nitrophenol	10	1.7	ug/L
Azobenzene	2.0	0.060	ug/L
bis (2-chloroisopropyl) ether	0.25	0.060	ug/L
Bis(2-chloroethoxy)methane	0.60	0.050	ug/L
Bis(2-chloroethyl)ether	0.10	0.030	ug/L
Bis(2-ethylhexyl) phthalate	3.0	0.74	ug/L
Butyl benzyl phthalate	4.0	0.27	ug/L
Diethyl phthalate	1.0	0.15	ug/L
Dimethyl phthalate	0.60	0.060	ug/L
Di-n-butyl phthalate	3.0	0.19	ug/L

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Prep: 3510C

Analyte	LOQ	DL	Units
Di-n-octyl phthalate	1.0	0.13	ug/L
Hexachlorobenzene	0.60	0.040	ug/L
Hexachlorobutadiene	1.0	0.060	ug/L
Hexachlorocyclopentadiene	1.0	0.14	ug/L
Hexachloroethane	1.0	0.050	ug/L
Isophorone	0.40	0.10	ug/L
m+p-Cresol	0.60	0.10	ug/L
Nitrobenzene	1.0	0.040	ug/L
N-Nitrosodimethylamine	2.0	0.26	ug/L
N-Nitrosodi-n-propylamine	0.40	0.060	ug/L
N-Nitrosodiphenylamine	1.0	0.070	ug/L
o-Cresol	0.60	0.050	ug/L
Pentachlorophenol	10	0.51	ug/L
Phenol	1.0	0.36	ug/L
Pyrene	1.0	0.040	ug/L
Pyridine	10	1.1	ug/L

Surrogate Summary

Client: AECOM
Project/Site: Red Hill NOI GW

Job ID: 580-111294-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(43-140)	(44-119)	(19-119)	(44-120)	(10-120)	(50-134)
580-111294-1	ERH2692 (OWDFMW01)	69	69	53	76	32	97
580-111294-2	ERH2772 (Equipment Blank)	31 M Q	60	38	56	22	87
580-111294-3	ERH2743 (RHMW13-5)	68	59	44	70	24	95
580-111294-4	ERH2744 (RHMW13-5)	44	62	39	62	22	91
580-111294-5	ERH2745 (RHMW13-5)	39 Q	62	42	64	23	90
LCS 580-383995/2-A	Lab Control Sample	84	79	50	81	32	96
LCS 580-383995/2-A - RA	Lab Control Sample	90	76	53	90	36	111
LCSD 580-383995/3-A	Lab Control Sample Dup	87	73	51	77	41 M	103
LCSD 580-383995/3-A - RA	Lab Control Sample Dup	81	81	53	89	37	102
MB 580-383995/1-A	Method Blank	53	72	48	76	31	98
MB 580-383995/1-A - RA	Method Blank	60	69	50	79	31	108

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		2MN	FLN10	TPHL
Lab Sample ID	Client Sample ID	(40-140)	(40-140)	(58-132)
580-111294-1	ERH2692 (OWDFMW01)	63	82	90
580-111294-2	ERH2772 (Equipment Blank)	51	72	88
580-111294-3	ERH2743 (RHMW13-5)	58	79	87
580-111294-4	ERH2744 (RHMW13-5)	52	76	87
580-111294-5	ERH2745 (RHMW13-5)	57	74	87
LCS 580-384177/2-A	Lab Control Sample	61	78	87
LCSD 580-384177/3-A	Lab Control Sample Dup	57	75	86
MB 580-384177/1-A	Method Blank	61	76	93

Surrogate Legend

2MN = 2-methylnaphthalene-d10
FLN10 = Fluoranthene-d10 (Surr)
TPHL = Terphenyl-d14

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 580-383995/1-A
Matrix: Water
Analysis Batch: 384146

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 383995

Analyte	MB Result	MB Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	0.30	U	0.40	0.090	ug/L		03/16/22 09:47	03/17/22 13:35	1
1,2-Dichlorobenzene	0.15	U	0.40	0.050	ug/L		03/16/22 09:47	03/17/22 13:35	1
1,3-Dichlorobenzene	0.090	U	0.40	0.040	ug/L		03/16/22 09:47	03/17/22 13:35	1
1,4-Dichlorobenzene	0.090	U	0.40	0.040	ug/L		03/16/22 09:47	03/17/22 13:35	1
2,4,5-Trichlorophenol	0.30	U	0.40	0.10	ug/L		03/16/22 09:47	03/17/22 13:35	1
2,4,6-Trichlorophenol	0.30	U	0.60	0.10	ug/L		03/16/22 09:47	03/17/22 13:35	1
2,4-Dichlorophenol	0.50	U	1.0	0.20	ug/L		03/16/22 09:47	03/17/22 13:35	1
2,4-Dimethylphenol	0.50	U	4.0	0.16	ug/L		03/16/22 09:47	03/17/22 13:35	1
2,4-Dinitrotoluene	0.30	U	1.0	0.10	ug/L		03/16/22 09:47	03/17/22 13:35	1
2,6-Dinitrotoluene	0.30	U	0.40	0.10	ug/L		03/16/22 09:47	03/17/22 13:35	1
2-Chloronaphthalene	0.15	U	1.0	0.070	ug/L		03/16/22 09:47	03/17/22 13:35	1
2-Chlorophenol	0.15	U	1.0	0.050	ug/L		03/16/22 09:47	03/17/22 13:35	1
2-Nitrophenol	0.15	U	1.0	0.070	ug/L		03/16/22 09:47	03/17/22 13:35	1
3,3'-Dichlorobenzidine	0.60	U	1.0	0.26	ug/L		03/16/22 09:47	03/17/22 13:35	1
4-Bromophenyl phenyl ether	0.15	U	0.60	0.060	ug/L		03/16/22 09:47	03/17/22 13:35	1
4-Chloro-3-methylphenol	0.30	U M	0.60	0.13	ug/L		03/16/22 09:47	03/17/22 13:35	1
4-Chlorophenyl phenyl ether	0.15	U	0.60	0.050	ug/L		03/16/22 09:47	03/17/22 13:35	1
4-Nitrophenol	6.0	U	10	1.7	ug/L		03/16/22 09:47	03/17/22 13:35	1
Azobenzene	0.15	U M	2.0	0.060	ug/L		03/16/22 09:47	03/17/22 13:35	1
Bis(2-chloroethoxy)methane	0.15	U	0.60	0.050	ug/L		03/16/22 09:47	03/17/22 13:35	1
Bis(2-chloroethyl)ether	0.090	U	0.10	0.030	ug/L		03/16/22 09:47	03/17/22 13:35	1
Bis(2-ethylhexyl) phthalate	1.6	U	3.0	0.74	ug/L		03/16/22 09:47	03/17/22 13:35	1
bis (2-chloroisopropyl) ether	0.15	U M	0.25	0.060	ug/L		03/16/22 09:47	03/17/22 13:35	1
Butyl benzyl phthalate	0.60	U	4.0	0.27	ug/L		03/16/22 09:47	03/17/22 13:35	1
Diethyl phthalate	0.30	U M	1.0	0.15	ug/L		03/16/22 09:47	03/17/22 13:35	1
Dimethyl phthalate	0.15	U	0.60	0.060	ug/L		03/16/22 09:47	03/17/22 13:35	1
Di-n-butyl phthalate	0.50	U	3.0	0.19	ug/L		03/16/22 09:47	03/17/22 13:35	1
Di-n-octyl phthalate	0.30	U M	1.0	0.13	ug/L		03/16/22 09:47	03/17/22 13:35	1
Hexachlorobenzene	0.090	U	0.60	0.040	ug/L		03/16/22 09:47	03/17/22 13:35	1
Hexachlorobutadiene	0.15	U	1.0	0.060	ug/L		03/16/22 09:47	03/17/22 13:35	1
Hexachlorocyclopentadiene	0.30	U	1.0	0.14	ug/L		03/16/22 09:47	03/17/22 13:35	1
Hexachloroethane	0.15	U	1.0	0.050	ug/L		03/16/22 09:47	03/17/22 13:35	1
Isophorone	0.30	U	0.40	0.10	ug/L		03/16/22 09:47	03/17/22 13:35	1
m+p-Cresol	0.30	U M	0.60	0.10	ug/L		03/16/22 09:47	03/17/22 13:35	1
Nitrobenzene	0.090	U M	1.0	0.040	ug/L		03/16/22 09:47	03/17/22 13:35	1
N-Nitrosodimethylamine	0.60	U	2.0	0.26	ug/L		03/16/22 09:47	03/17/22 13:35	1
N-Nitrosodi-n-propylamine	0.090	U	0.40	0.060	ug/L		03/16/22 09:47	03/17/22 13:35	1
N-Nitrosodiphenylamine	0.15	U	1.0	0.070	ug/L		03/16/22 09:47	03/17/22 13:35	1
o-Cresol	0.15	U M	0.60	0.050	ug/L		03/16/22 09:47	03/17/22 13:35	1
Pentachlorophenol	1.0	U	10	0.51	ug/L		03/16/22 09:47	03/17/22 13:35	1
Phenol	0.60	U	1.0	0.36	ug/L		03/16/22 09:47	03/17/22 13:35	1
Pyrene	0.090	U M	1.0	0.040	ug/L		03/16/22 09:47	03/17/22 13:35	1
Pyridine	3.2	U	10	1.1	ug/L		03/16/22 09:47	03/17/22 13:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*53*		*43 - 140*	*03/16/22 09:47*	*03/17/22 13:35*	*1*
2-Fluorobiphenyl	*72*		*44 - 119*	*03/16/22 09:47*	*03/17/22 13:35*	*1*
2-Fluorophenol (Surr)	*48*		*19 - 119*	*03/16/22 09:47*	*03/17/22 13:35*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 580-383995/1-A
Matrix: Water
Analysis Batch: 384146

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 383995

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	*76*		*44 - 120*	*03/16/22 09:47*	*03/17/22 13:35*	*1*
Phenol-d5 (Surr)	*31*		*10 - 120*	*03/16/22 09:47*	*03/17/22 13:35*	*1*
Terphenyl-d14	*98*		*50 - 134*	*03/16/22 09:47*	*03/17/22 13:35*	*1*

Lab Sample ID: LCS 580-383995/2-A
Matrix: Water
Analysis Batch: 384146

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 383995

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	2.00	1.28		ug/L		64	29 - 116
1,2-Dichlorobenzene	2.00	1.17		ug/L		58	32 - 111
1,3-Dichlorobenzene	2.00	1.19		ug/L		59	28 - 110
1,4-Dichlorobenzene	2.00	1.14		ug/L		57	29 - 112
2,4,5-Trichlorophenol	2.00	1.55		ug/L		78	53 - 123
2,4,6-Trichlorophenol	2.00	1.74		ug/L		87	50 - 125
2,4-Dichlorophenol	2.00	1.69		ug/L		84	47 - 121
2,4-Dimethylphenol	2.00	1.57	J	ug/L		79	31 - 124
2,4-Dinitrotoluene	2.00	1.96		ug/L		98	57 - 128
2,6-Dinitrotoluene	2.00	1.93		ug/L		97	57 - 124
2-Chloronaphthalene	2.00	1.60		ug/L		80	40 - 116
2-Chlorophenol	2.00	1.64		ug/L		82	38 - 117
2-Nitrophenol	2.00	1.73		ug/L		87	47 - 123
3,3'-Dichlorobenzidine	4.00	3.89		ug/L		97	27 - 129
4-Bromophenyl phenyl ether	2.00	1.65		ug/L		82	55 - 124
4-Chloro-3-methylphenol	2.00	1.73		ug/L		87	52 - 119
4-Chlorophenyl phenyl ether	2.00	1.80		ug/L		90	53 - 121
4-Nitrophenol	4.00	6.0	U	ug/L		41	35 - 145
Azobenzene	2.00	1.68	J	ug/L		84	61 - 116
Bis(2-chloroethoxy)methane	2.00	1.62		ug/L		81	48 - 120
Bis(2-chloroethyl)ether	2.00	1.42		ug/L		71	43 - 118
Bis(2-ethylhexyl) phthalate	2.00	2.49	J	ug/L		124	55 - 135
bis (2-chloroisopropyl) ether	2.00	1.42		ug/L		71	37 - 130
Butyl benzyl phthalate	2.00	2.06	J	ug/L		103	53 - 134
Diethyl phthalate	2.00	1.99		ug/L		99	56 - 125
Dimethyl phthalate	2.00	2.10		ug/L		105	45 - 127
Di-n-butyl phthalate	2.00	1.83	J	ug/L		92	59 - 127
Di-n-octyl phthalate	2.00	2.21		ug/L		111	51 - 140
Hexachlorobenzene	2.00	1.56		ug/L		78	53 - 125
Hexachlorobutadiene	2.00	0.997	J	ug/L		50	22 - 124
Hexachlorocyclopentadiene	2.00	0.994	J	ug/L		50	20 - 125
Hexachloroethane	2.00	1.04		ug/L		52	21 - 115
Isophorone	2.00	1.64		ug/L		82	42 - 124
m+p-Cresol	2.00	1.15		ug/L		57	29 - 110
Nitrobenzene	2.00	1.56		ug/L		78	45 - 121
N-Nitrosodimethylamine	2.00	1.11	J	ug/L		56	45 - 125
N-Nitrosodi-n-propylamine	2.00	1.55		ug/L		77	49 - 119
N-Nitrosodiphenylamine	2.00	1.89		ug/L		95	51 - 123
o-Cresol	2.00	1.46		ug/L		73	30 - 117

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 580-383995/2-A
Matrix: Water
Analysis Batch: 384146

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 383995

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Pentachlorophenol	4.00	1.55	J	ug/L		39	35 - 138
Phenol	2.00	0.826	J M	ug/L		41	13 - 120
Pyrene	2.00	1.65		ug/L		82	57 - 126
Pyridine	4.00	1.33	J	ug/L		33	20 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*84*		*43 - 140*
2-Fluorobiphenyl	*79*		*44 - 119*
2-Fluorophenol (Surr)	*50*		*19 - 119*
Nitrobenzene-d5 (Surr)	*81*		*44 - 120*
Phenol-d5 (Surr)	*32*		*10 - 120*
Terphenyl-d14	*96*		*50 - 134*

Lab Sample ID: LCSD 580-383995/3-A
Matrix: Water
Analysis Batch: 384146

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 383995

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene	2.00	0.993	Q	ug/L		50	29 - 116	25	20
1,2-Dichlorobenzene	2.00	0.999		ug/L		50	32 - 111	15	20
1,3-Dichlorobenzene	2.00	0.933	Q	ug/L		47	28 - 110	24	20
1,4-Dichlorobenzene	2.00	0.926		ug/L		46	29 - 112	20	20
2,4,5-Trichlorophenol	2.00	1.59		ug/L		79	53 - 123	2	20
2,4,6-Trichlorophenol	2.00	1.56		ug/L		78	50 - 125	11	20
2,4-Dichlorophenol	2.00	1.64		ug/L		82	47 - 121	3	20
2,4-Dimethylphenol	2.00	1.57	J	ug/L		79	31 - 124	0	20
2,4-Dinitrotoluene	2.00	1.81		ug/L		90	57 - 128	8	20
2,6-Dinitrotoluene	2.00	1.74		ug/L		87	57 - 124	11	20
2-Chloronaphthalene	2.00	1.43		ug/L		71	40 - 116	12	20
2-Chlorophenol	2.00	1.75		ug/L		88	38 - 117	6	20
2-Nitrophenol	2.00	1.67		ug/L		84	47 - 123	3	20
3,3'-Dichlorobenzidine	4.00	4.14		ug/L		103	27 - 129	6	20
4-Bromophenyl phenyl ether	2.00	1.64		ug/L		82	55 - 124	1	20
4-Chloro-3-methylphenol	2.00	1.61		ug/L		81	52 - 119	7	20
4-Chlorophenyl phenyl ether	2.00	1.64		ug/L		82	53 - 121	9	20
4-Nitrophenol	4.00	6.0	U	ug/L		41	35 - 145	0	20
Azobenzene	2.00	1.69	J	ug/L		84	61 - 116	1	20
Bis(2-chloroethoxy)methane	2.00	1.65		ug/L		83	48 - 120	2	20
Bis(2-chloroethyl)ether	2.00	1.52		ug/L		76	43 - 118	7	20
Bis(2-ethylhexyl) phthalate	2.00	2.49	J	ug/L		125	55 - 135	0	20
bis (2-chloroisopropyl) ether	2.00	1.47		ug/L		73	37 - 130	3	20
Butyl benzyl phthalate	2.00	2.03	J	ug/L		101	53 - 134	2	20
Diethyl phthalate	2.00	1.92		ug/L		96	56 - 125	3	20
Dimethyl phthalate	2.00	1.96		ug/L		98	45 - 127	7	20
Di-n-butyl phthalate	2.00	1.88	J	ug/L		94	59 - 127	3	20
Di-n-octyl phthalate	2.00	2.16		ug/L		108	51 - 140	3	20
Hexachlorobenzene	2.00	1.64		ug/L		82	53 - 125	5	20
Hexachlorobutadiene	2.00	0.666	J Q	ug/L		33	22 - 124	40	20

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 580-383995/3-A
Matrix: Water
Analysis Batch: 384146

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 383995

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Hexachlorocyclopentadiene			2.00	0.706	J Q	ug/L		35	20 - 125	34	20
Hexachloroethane			2.00	0.752	J Q	ug/L		38	21 - 115	33	20
Isophorone			2.00	1.63		ug/L		82	42 - 124	1	20
m+p-Cresol			2.00	1.44	Q	ug/L		72	29 - 110	22	20
Nitrobenzene			2.00	1.64		ug/L		82	45 - 121	5	20
N-Nitrosodimethylamine			2.00	1.06	J	ug/L		53	45 - 125	5	20
N-Nitrosodi-n-propylamine			2.00	1.58		ug/L		79	49 - 119	2	20
N-Nitrosodiphenylamine			2.00	1.96		ug/L		98	51 - 123	3	20
o-Cresol			2.00	1.59		ug/L		80	30 - 117	9	20
Pentachlorophenol			4.00	1.83	J	ug/L		46	35 - 138	17	20
Phenol			2.00	0.664	J Q	ug/L		33	13 - 120	22	20
Pyrene			2.00	1.66		ug/L		83	57 - 126	1	20
Pyridine			4.00	1.78	J Q	ug/L		44	20 - 125	29	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*87*		*43 - 140*
2-Fluorobiphenyl	*73*		*44 - 119*
2-Fluorophenol (Surr)	*51*		*19 - 119*
Nitrobenzene-d5 (Surr)	*77*		*44 - 120*
Phenol-d5 (Surr)	*41*	*M*	*10 - 120*
Terphenyl-d14	*103*		*50 - 134*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - RA

Lab Sample ID: MB 580-383995/1-A
Matrix: Water
Analysis Batch: 384624

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 383995

Analyte	MB Result	MB Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrophenol - RA	3.2	U	5.0	1.6	ug/L		03/16/22 09:47	03/22/22 13:51	1
4,6-Dinitro-2-methylphenol - RA	1.2	U	2.0	0.55	ug/L		03/16/22 09:47	03/22/22 13:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr) - RA	*60*		*43 - 140*	*03/16/22 09:47*	*03/22/22 13:51*	*1*
2-Fluorobiphenyl - RA	*69*		*44 - 119*	*03/16/22 09:47*	*03/22/22 13:51*	*1*
2-Fluorophenol (Surr) - RA	*50*		*19 - 119*	*03/16/22 09:47*	*03/22/22 13:51*	*1*
Nitrobenzene-d5 (Surr) - RA	*79*		*44 - 120*	*03/16/22 09:47*	*03/22/22 13:51*	*1*
Phenol-d5 (Surr) - RA	*31*		*10 - 120*	*03/16/22 09:47*	*03/22/22 13:51*	*1*
Terphenyl-d14 - RA	*108*		*50 - 134*	*03/16/22 09:47*	*03/22/22 13:51*	*1*

Lab Sample ID: LCS 580-383995/2-A
Matrix: Water
Analysis Batch: 384624

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 383995

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
2,4-Dinitrophenol - RA			4.00	2.96	J M	ug/L		74	23 - 143		
4,6-Dinitro-2-methylphenol - RA			4.00	3.21		ug/L		80	44 - 137		

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - RA (Continued)

Lab Sample ID: LCS 580-383995/2-A
Matrix: Water
Analysis Batch: 384624

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 383995

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol (Surr) - RA	*90*		*43 - 140*
2-Fluorobiphenyl - RA	*76*		*44 - 119*
2-Fluorophenol (Surr) - RA	*53*		*19 - 119*
Nitrobenzene-d5 (Surr) - RA	*90*		*44 - 120*
Phenol-d5 (Surr) - RA	*36*		*10 - 120*
Terphenyl-d14 - RA	*111*		*50 - 134*

Lab Sample ID: LCSD 580-383995/3-A
Matrix: Water
Analysis Batch: 384624

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 383995

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4-Dinitrophenol - RA			4.00	3.15	J M	ug/L		79	23 - 143	6	20
4,6-Dinitro-2-methylphenol - RA			4.00	3.10		ug/L		78	44 - 137	3	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2,4,6-Tribromophenol (Surr) - RA	*81*		*43 - 140*
2-Fluorobiphenyl - RA	*81*		*44 - 119*
2-Fluorophenol (Surr) - RA	*53*		*19 - 119*
Nitrobenzene-d5 (Surr) - RA	*89*		*44 - 120*
Phenol-d5 (Surr) - RA	*37*		*10 - 120*
Terphenyl-d14 - RA	*102*		*50 - 134*

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Lab Sample ID: MB 580-384177/1-A
Matrix: Water
Analysis Batch: 384301

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 384177

Analyte	MB Result	MB Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	0.032	U M	0.10	0.019	ug/L		03/17/22 11:35	03/18/22 13:02	1
2-Methylnaphthalene	0.080	U M	0.20	0.039	ug/L		03/17/22 11:35	03/18/22 13:02	1
Acenaphthene	0.032	U M	0.10	0.014	ug/L		03/17/22 11:35	03/18/22 13:02	1
Acenaphthylene	0.032	U	0.050	0.0090	ug/L		03/17/22 11:35	03/18/22 13:02	1
Anthracene	0.080	U M	0.10	0.022	ug/L		03/17/22 11:35	03/18/22 13:02	1
Benzo[a]anthracene	0.032	U	0.050	0.014	ug/L		03/17/22 11:35	03/18/22 13:02	1
Benzo[a]pyrene	0.032	U	0.10	0.011	ug/L		03/17/22 11:35	03/18/22 13:02	1
Benzo[b]fluoranthene	0.032	U	0.050	0.011	ug/L		03/17/22 11:35	03/18/22 13:02	1
Benzo[g,h,i]perylene	0.032	U	0.050	0.012	ug/L		03/17/22 11:35	03/18/22 13:02	1
Benzo[k]fluoranthene	0.032	U	0.050	0.012	ug/L		03/17/22 11:35	03/18/22 13:02	1
Chrysene	0.032	U	0.10	0.016	ug/L		03/17/22 11:35	03/18/22 13:02	1
Dibenz(a,h)anthracene	0.032	U	0.10	0.026	ug/L		03/17/22 11:35	03/18/22 13:02	1
Fluoranthene	0.032	U	0.20	0.018	ug/L		03/17/22 11:35	03/18/22 13:02	1
Fluorene	0.032	U	0.10	0.017	ug/L		03/17/22 11:35	03/18/22 13:02	1
Indeno[1,2,3-cd]pyrene	0.032	U	0.050	0.014	ug/L		03/17/22 11:35	03/18/22 13:02	1
Naphthalene	0.080	U M	0.10	0.031	ug/L		03/17/22 11:35	03/18/22 13:02	1
Phenanthrene	0.080	U M	0.10	0.031	ug/L		03/17/22 11:35	03/18/22 13:02	1

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: MB 580-384177/1-A
Matrix: Water
Analysis Batch: 384301

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 384177

Analyte	MB Result	MB Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Pyrene	0.080	U	0.10	0.033	ug/L		03/17/22 11:35	03/18/22 13:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-methylnaphthalene-d10	*61*		*40 - 140*	*03/17/22 11:35*	*03/18/22 13:02*	*1*
Fluoranthene-d10 (Surr)	*76*		*40 - 140*	*03/17/22 11:35*	*03/18/22 13:02*	*1*
Terphenyl-d14	*93*		*58 - 132*	*03/17/22 11:35*	*03/18/22 13:02*	*1*

Lab Sample ID: LCS 580-384177/2-A
Matrix: Water
Analysis Batch: 384301

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 384177

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1-Methylnaphthalene	2.00	1.28		ug/L		64	41 - 115
2-Methylnaphthalene	2.00	1.24		ug/L		62	39 - 114
Acenaphthene	2.00	1.32		ug/L		66	48 - 114
Acenaphthylene	2.00	1.25		ug/L		62	35 - 121
Anthracene	2.00	1.45		ug/L		73	53 - 119
Benzo[a]anthracene	2.00	1.67		ug/L		83	59 - 120
Benzo[a]pyrene	2.00	1.55		ug/L		78	53 - 120
Benzo[b]fluoranthene	2.00	1.65		ug/L		82	53 - 126
Benzo[g,h,i]perylene	2.00	1.82		ug/L		91	44 - 128
Benzo[k]fluoranthene	2.00	1.75		ug/L		87	54 - 125
Chrysene	2.00	1.58		ug/L		79	57 - 120
Dibenz(a,h)anthracene	2.00	1.83	M	ug/L		91	44 - 131
Fluoranthene	2.00	1.60		ug/L		80	58 - 120
Fluorene	2.00	1.38		ug/L		69	50 - 118
Indeno[1,2,3-cd]pyrene	2.00	1.77	M	ug/L		88	48 - 130
Naphthalene	2.00	1.27		ug/L		64	43 - 114
Phenanthrene	2.00	1.46		ug/L		73	53 - 115
Pyrene	2.00	1.60		ug/L		80	53 - 121

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-methylnaphthalene-d10	*61*		*40 - 140*
Fluoranthene-d10 (Surr)	*78*		*40 - 140*
Terphenyl-d14	*87*		*58 - 132*

Lab Sample ID: LCSD 580-384177/3-A
Matrix: Water
Analysis Batch: 384301

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 384177

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1-Methylnaphthalene	2.00	1.13		ug/L		57	41 - 115	13	20
2-Methylnaphthalene	2.00	1.10		ug/L		55	39 - 114	12	20
Acenaphthene	2.00	1.22		ug/L		61	48 - 114	9	20
Acenaphthylene	2.00	1.14		ug/L		57	35 - 121	9	20
Anthracene	2.00	1.36		ug/L		68	53 - 119	7	20
Benzo[a]anthracene	2.00	1.58		ug/L		79	59 - 120	5	20
Benzo[a]pyrene	2.00	1.53		ug/L		77	53 - 120	1	20

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: LCSD 580-384177/3-A
Client Sample ID: Lab Control Sample Dup
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 384301
Prep Batch: 384177

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzo[b]fluoranthene			2.00	1.65		ug/L		82	53 - 126	0	20
Benzo[g,h,i]perylene			2.00	1.78		ug/L		89	44 - 128	2	20
Benzo[k]fluoranthene			2.00	1.68		ug/L		84	54 - 125	4	20
Chrysene			2.00	1.42		ug/L		71	57 - 120	11	20
Dibenz(a,h)anthracene			2.00	1.77	M	ug/L		89	44 - 131	3	20
Fluoranthene			2.00	1.52		ug/L		76	58 - 120	5	20
Fluorene			2.00	1.27		ug/L		63	50 - 118	9	20
Indeno[1,2,3-cd]pyrene			2.00	1.77	M	ug/L		89	48 - 130	0	20
Naphthalene			2.00	1.15		ug/L		57	43 - 114	11	20
Phenanthrene			2.00	1.35		ug/L		68	53 - 115	7	20
Pyrene			2.00	1.52		ug/L		76	53 - 121	5	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-methylnaphthalene-d10	*57*		*40 - 140*
Fluoranthene-d10 (Surr)	*75*		*40 - 140*
Terphenyl-d14	*86*		*58 - 132*

GC/MS Semi VOA

Prep Batch: 383995

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 580-383995/1-A - RA	Method Blank	Total/NA	Water	3510C	
MB 580-383995/1-A	Method Blank	Total/NA	Water	3510C	
LCS 580-383995/2-A - RA	Lab Control Sample	Total/NA	Water	3510C	
LCS 580-383995/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 580-383995/3-A - RA	Lab Control Sample Dup	Total/NA	Water	3510C	
LCSD 580-383995/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 384146

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 580-383995/1-A	Method Blank	Total/NA	Water	8270E	383995
LCS 580-383995/2-A	Lab Control Sample	Total/NA	Water	8270E	383995
LCSD 580-383995/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	383995

Prep Batch: 384177

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-111294-1	ERH2692 (OWDFMW01)	Total/NA	Water	3510C	
580-111294-2	ERH2772 (Equipment Blank)	Total/NA	Water	3510C	
580-111294-3	ERH2743 (RHMW13-5)	Total/NA	Water	3510C	
580-111294-4	ERH2744 (RHMW13-5)	Total/NA	Water	3510C	
580-111294-5	ERH2745 (RHMW13-5)	Total/NA	Water	3510C	
MB 580-384177/1-A	Method Blank	Total/NA	Water	3510C	
LCS 580-384177/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 580-384177/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 384301

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-111294-1	ERH2692 (OWDFMW01)	Total/NA	Water	8270E SIM	384177
580-111294-2	ERH2772 (Equipment Blank)	Total/NA	Water	8270E SIM	384177
580-111294-3	ERH2743 (RHMW13-5)	Total/NA	Water	8270E SIM	384177
580-111294-4	ERH2744 (RHMW13-5)	Total/NA	Water	8270E SIM	384177
580-111294-5	ERH2745 (RHMW13-5)	Total/NA	Water	8270E SIM	384177
MB 580-384177/1-A	Method Blank	Total/NA	Water	8270E SIM	384177
LCS 580-384177/2-A	Lab Control Sample	Total/NA	Water	8270E SIM	384177
LCSD 580-384177/3-A	Lab Control Sample Dup	Total/NA	Water	8270E SIM	384177

Analysis Batch: 384624

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 580-383995/1-A - RA	Method Blank	Total/NA	Water	8270E	383995
LCS 580-383995/2-A - RA	Lab Control Sample	Total/NA	Water	8270E	383995
LCSD 580-383995/3-A - RA	Lab Control Sample Dup	Total/NA	Water	8270E	383995

Analysis Batch: 384725

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-111294-1	ERH2692 (OWDFMW01)	Total/NA	Water	8270E	384177
580-111294-2	ERH2772 (Equipment Blank)	Total/NA	Water	8270E	384177
580-111294-3	ERH2743 (RHMW13-5)	Total/NA	Water	8270E	384177
580-111294-4	ERH2744 (RHMW13-5)	Total/NA	Water	8270E	384177
580-111294-5	ERH2745 (RHMW13-5)	Total/NA	Water	8270E	384177

Client Sample ID: ERH2692 (OWDFMW01)
Lab Sample ID: 580-111294-1
Date Collected: 03/10/22 10:05
Matrix: Water
Date Received: 03/11/22 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			384177	03/17/22 11:35	ASL	FGS SEA
Total/NA	Analysis	8270E		1	384725	03/22/22 17:10	W1T	FGS SEA
Total/NA	Prep	3510C			384177	03/17/22 11:35	ASL	FGS SEA
Total/NA	Analysis	8270E SIM		1	384301	03/18/22 13:59	TL1	FGS SEA

Client Sample ID: ERH2772 (Equipment Blank)
Lab Sample ID: 580-111294-2
Date Collected: 03/10/22 11:42
Matrix: Water
Date Received: 03/11/22 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			384177	03/17/22 11:35	ASL	FGS SEA
Total/NA	Analysis	8270E		1	384725	03/22/22 17:34	W1T	FGS SEA
Total/NA	Prep	3510C			384177	03/17/22 11:35	ASL	FGS SEA
Total/NA	Analysis	8270E SIM		1	384301	03/18/22 14:18	TL1	FGS SEA

Client Sample ID: ERH2743 (RHMW13-5)
Lab Sample ID: 580-111294-3
Date Collected: 03/10/22 09:15
Matrix: Water
Date Received: 03/11/22 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			384177	03/17/22 11:35	ASL	FGS SEA
Total/NA	Analysis	8270E		1	384725	03/22/22 17:58	W1T	FGS SEA
Total/NA	Prep	3510C			384177	03/17/22 11:35	ASL	FGS SEA
Total/NA	Analysis	8270E SIM		1	384301	03/18/22 14:38	TL1	FGS SEA

Client Sample ID: ERH2744 (RHMW13-5)
Lab Sample ID: 580-111294-4
Date Collected: 03/10/22 12:44
Matrix: Water
Date Received: 03/11/22 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			384177	03/17/22 11:35	ASL	FGS SEA
Total/NA	Analysis	8270E		1	384725	03/22/22 18:22	W1T	FGS SEA
Total/NA	Prep	3510C			384177	03/17/22 11:35	ASL	FGS SEA
Total/NA	Analysis	8270E SIM		1	384301	03/18/22 14:57	TL1	FGS SEA

Client Sample ID: ERH2745 (RHMW13-5)
Lab Sample ID: 580-111294-5
Date Collected: 03/10/22 11:05
Matrix: Water
Date Received: 03/11/22 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			384177	03/17/22 11:35	ASL	FGS SEA
Total/NA	Analysis	8270E		1	384725	03/22/22 18:45	W1T	FGS SEA
Total/NA	Prep	3510C			384177	03/17/22 11:35	ASL	FGS SEA
Total/NA	Analysis	8270E SIM		1	384301	03/18/22 15:16	TL1	FGS SEA

Laboratory References:

FGS SEA = Eurofins Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Accreditation/Certification Summary

Client: AECOM
Job ID: 580-111294-1
Project/Site: Red Hill NOI GW

Laboratory: Eurofins Seattle

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
ANAB	Dept. of Defense ELAP	L2236	01-19-25

Method Summary

Client: AECOM
Job ID: 580-111294-1
Project/Site: Red Hill NOI GW

Method	Method Description	Protocol	Laboratory
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	FGS SEA
8270E SIM	Semivolatile Organic Compounds (GC/MS SIM)	SW846	FGS SEA
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	FGS SEA

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

FGS SEA = Eurofins Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Sample Summary

Client: AECOM
Job ID: 580-111294-1
Project/Site: Red Hill NOI GW

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-111294-1	ERH2692 (OWDFMW01)	Water	03/10/22 10:05	03/11/22 09:40
580-111294-2	ERH2772 (Equipment Blank)	Water	03/10/22 11:42	03/11/22 09:40
580-111294-3	ERH2743 (RHMW13-5)	Water	03/10/22 09:15	03/11/22 09:40
580-111294-4	ERH2744 (RHMW13-5)	Water	03/10/22 12:44	03/11/22 09:40
580-111294-5	ERH2745 (RHMW13-5)	Water	03/10/22 11:05	03/11/22 09:40

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Instrument ID: TAC040 Analysis Batch Number: 384491

Lab Sample ID: ICV 580-384491/15 Client Sample ID:

Date Analyzed: 03/21/22 09:16 Lab File ID: 40Scan032022x016.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzoic acid	5.54	Peak Tail	boylea	03/21/22 17:48
Hexachlorocyclopentadiene	6.44	Incomplete Integration	boylea	03/22/22 13:10
2,4-Dinitrophenol	7.22	Peak Tail	boylea	03/21/22 17:48
2,3,4,6-Tetrachlorophenol	7.43	Baseline	boylea	03/21/22 17:49

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Instrument ID: TAC040 Analysis Batch Number: 384624

Lab Sample ID: CCVIS 580-384624/3 Client Sample ID:

Date Analyzed: 03/22/22 12:55 Lab File ID: 40Scan032222a004.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzoic acid	5.53	Peak Tail	boylea	03/22/22 17:27
2,4,5-Trichlorophenol	6.58	Peak Tail	boylea	03/22/22 17:27
2,4-Dinitrophenol	7.22	Peak assignment corrected	limmere	03/22/22 13:30
Pentachlorophenol	8.22	Peak Tail	boylea	03/22/22 17:28

Lab Sample ID: LCS 580-383995/2-A RA Client Sample ID:

Date Analyzed: 03/22/22 14:15 Lab File ID: 40Scan032222a007.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2,4-Dinitrophenol	7.22	Incomplete Integration	boylea	03/22/22 17:32

Lab Sample ID: LCSD 580-383995/3-A RA Client Sample ID:

Date Analyzed: 03/22/22 14:39 Lab File ID: 40Scan032222a008.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2,4-Dinitrophenol	7.22	Peak Tail	boylea	03/22/22 17:36

Lab Sample ID: CCVC 580-384624/30 Client Sample ID:

Date Analyzed: 03/22/22 23:41 Lab File ID: 40Scan032222a031.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Phenol	4.46	Peak assignment corrected	limmere	03/23/22 16:11
Benzyl alcohol	4.82	Baseline	limmere	03/23/22 16:11
2,4,5-Trichlorophenol	6.61	Baseline	limmere	03/23/22 16:11
2,4-Dinitrophenol	7.22	Baseline	limmere	03/23/22 16:11
4-Nitrophenol	7.36	Baseline	limmere	03/23/22 16:11
Benzofluoranthene	11.66	Baseline	limmere	03/23/22 16:12

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Instrument ID: TAC051 Analysis Batch Number: 379142

Lab Sample ID: STD10 580-379142/4 IC Client Sample ID:

Date Analyzed: 01/24/22 17:04 Lab File ID: 0124A10_.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Aniline	4.24	Peak assignment corrected	limmere	01/27/22 13:41
1,4-Dichlorobenzene-d4 (IS)	4.49	Peak assignment corrected	limmere	01/27/22 13:41
bis (2-chloroisopropyl) ether	4.72	Peak assignment corrected	limmere	01/27/22 13:41
Benzoic acid	5.41	Peak assignment corrected	limmere	01/27/22 13:41
2,4-Dinitrophenol	7.00	Peak assignment corrected	limmere	01/27/22 13:41

Lab Sample ID: STD9 580-379142/5 IC Client Sample ID:

Date Analyzed: 01/24/22 17:28 Lab File ID: 0124A11_.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
bis (2-chloroisopropyl) ether	4.72	Peak assignment corrected	limmere	01/27/22 13:42
Benzoic acid	5.37	Peak assignment corrected	mohammedj	01/27/22 14:45
2,4-Dinitrophenol	6.99	Peak assignment corrected	limmere	01/27/22 13:41

Lab Sample ID: STD8 580-379142/6 IC Client Sample ID:

Date Analyzed: 01/24/22 17:51 Lab File ID: 0124A12_.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dichlorobenzene-d4 (IS)	4.49	Peak assignment corrected	limmere	01/27/22 13:42
bis (2-chloroisopropyl) ether	4.72	Peak assignment corrected	limmere	01/27/22 13:42
2,4-Dinitrophenol	6.99	Peak assignment corrected	limmere	01/27/22 13:42

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Instrument ID: TAC051 Analysis Batch Number: 379142

Lab Sample ID: STD7IS 580-379142/7 ICI Client Sample ID:

Date Analyzed: 01/24/22 18:14 Lab File ID: 0124A13_.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
bis (2-chloroisopropyl) ether	4.72	Peak assignment corrected	mohammedj	01/27/22 14:42
2,4-Dinitrophenol	6.99	Peak assignment corrected	limmere	01/27/22 13:40

Lab Sample ID: STD6 580-379142/8 IC Client Sample ID:

Date Analyzed: 01/24/22 18:37 Lab File ID: 0124A14_.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
bis (2-chloroisopropyl) ether	4.72	Peak assignment corrected	mohammedj	01/27/22 14:41
Benzoic acid	5.29	Peak assignment corrected	limmere	01/27/22 13:55
2,4-Dinitrophenol	6.99	Peak assignment corrected	limmere	01/27/22 13:43
4-Nitroaniline	7.40	Incomplete Integration	mohammedj	01/27/22 14:41
Benzofluoranthene	11.46	Peak assignment corrected	limmere	01/27/22 13:43

Lab Sample ID: STD5 580-379142/9 IC Client Sample ID:

Date Analyzed: 01/24/22 19:00 Lab File ID: 0124A15_.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Aniline	4.24	Peak assignment corrected	limmere	01/27/22 13:55
bis (2-chloroisopropyl) ether	4.72	Peak assignment corrected	limmere	01/27/22 13:55
Benzoic acid	5.29	Incomplete Integration	mohammedj	01/27/22 14:40
3-Nitroaniline	6.91	Incomplete Integration	mohammedj	01/27/22 14:39
2,4-Dinitrophenol	7.00	Peak assignment corrected	limmere	01/27/22 13:55
4-Nitroaniline	7.42	Incomplete Integration	mohammedj	01/27/22 14:39

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Instrument ID: TAC051 Analysis Batch Number: 379142

Lab Sample ID: STD4 580-379142/10 IC Client Sample ID:

Date Analyzed: 01/24/22 19:23 Lab File ID: 0124A16_.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
bis (2-chloroisopropyl) ether	4.72	Peak assignment corrected	mohammedj	01/27/22 14:38
2,4,5-Trichlorophenol	6.35	Peak assignment corrected	limmere	01/27/22 13:56
2-Nitroaniline	6.57	Incomplete Integration	boylea	01/28/22 16:57
2,4-Dinitrotoluene	7.10	Peak assignment corrected	mohammedj	01/27/22 14:38
2,3,5,6-Tetrachlorophenol	7.17	Peak assignment corrected	limmere	01/27/22 13:56
Pentachlorophenol	7.99	Peak assignment corrected	mohammedj	01/27/22 14:38
Benzofluoranthene	11.43	Peak assignment corrected	limmere	01/27/22 13:56

Lab Sample ID: STD3 580-379142/11 IC Client Sample ID:

Date Analyzed: 01/24/22 19:45 Lab File ID: 0124A17_.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2,4,5-Trichlorophenol	6.36	Peak assignment corrected	limmere	01/27/22 13:57
Carbazole	8.35	Incomplete Integration	mohammedj	01/27/22 14:36
3,3'-Dichlorobenzidine	10.32	Incomplete Integration	mohammedj	01/27/22 14:36
Benzofluoranthene	11.46	Peak assignment corrected	limmere	01/27/22 13:57
Indeno[1,2,3-cd]pyrene	13.17	Incomplete Integration	mohammedj	01/27/22 14:35

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Instrument ID: TAC051 Analysis Batch Number: 379142

Lab Sample ID: STD2 580-379142/12 IC Client Sample ID:

Date Analyzed: 01/24/22 20:08 Lab File ID: 0124A18_.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Fluorophenol (Surr)	3.49	Peak assignment corrected	limmere	01/27/22 13:57
bis (2-chloroisopropyl) ether	4.71	Peak assignment corrected	limmere	01/27/22 13:58
2-Nitrophenol	5.20	Peak assignment corrected	limmere	01/27/22 13:58
Bis(2-chloroethoxy)methane	5.32	Peak assignment corrected	mohammedj	01/27/22 15:08
Anthracene	8.20	Peak assignment corrected	mohammedj	01/27/22 14:34
Benzo[a]anthracene	10.33	Peak assignment corrected	mohammedj	01/27/22 14:34
Bis(2-ethylhexyl) phthalate	10.40	Peak assignment corrected	mohammedj	01/27/22 14:34
Benzofluoranthene	11.43	Peak assignment corrected	mohammedj	01/27/22 14:34
Benzo[k]fluoranthene	11.46	Peak assignment corrected	mohammedj	01/27/22 14:34
Benzo[g,h,i]perylene	13.50	Incomplete Integration	mohammedj	01/27/22 14:35

Lab Sample ID: ICV 580-379142/15 Client Sample ID:

Date Analyzed: 01/24/22 21:17 Lab File ID: 0124A21_.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
bis (2-chloroisopropyl) ether	4.72	Peak assignment corrected	limmere	01/27/22 12:07
Benzoic acid	5.30	Baseline	limmere	01/27/22 12:08
2,4-Dinitrophenol	6.99	Baseline	limmere	01/27/22 12:09
4-Nitrophenol	7.05	Peak Tail	boylea	01/28/22 17:05
Benzofluoranthene	11.43	Baseline	limmere	01/27/22 12:09
Perylene-d12	11.86	Incomplete Integration	mohammedj	01/27/22 14:58
Benzo[g,h,i]perylene	13.49	Baseline	limmere	01/27/22 12:09

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Instrument ID: TAC051 Analysis Batch Number: 384146

Lab Sample ID: CCVIS 580-384146/3 Client Sample ID:

Date Analyzed: 03/17/22 12:48 Lab File ID: 31722A08.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2,4-Dinitrophenol	6.97	Peak assignment corrected	limmere	03/17/22 14:10
4-Nitrophenol	7.08	Peak assignment corrected	limmere	03/17/22 14:10
Chrysene-d12	10.31	Baseline	limmere	03/17/22 14:11
Bis(2-ethylhexyl) phthalate	10.36	Baseline	limmere	03/17/22 14:11
Benzofluoranthene	11.42	Peak assignment corrected	limmere	03/17/22 14:10

Lab Sample ID: MB 580-383995/1-A Client Sample ID:

Date Analyzed: 03/17/22 13:35 Lab File ID: 31722A10.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Butyl benzyl phthalate	9.85	Invalid Compound ID	limmere	03/17/22 16:58
4-Chloro-3-methylphenol		Invalid Compound ID	limmere	03/17/22 16:57
Azobenzene		Invalid Compound ID	limmere	03/17/22 16:57
bis (2-chloroisopropyl) ether		Invalid Compound ID	limmere	03/17/22 16:57
Diethyl phthalate		Invalid Compound ID	limmere	03/17/22 16:57
Di-n-octyl phthalate		Invalid Compound ID	limmere	03/17/22 16:58
m+p-Cresol		Invalid Compound ID	limmere	03/17/22 16:57
Nitrobenzene		Invalid Compound ID	limmere	03/17/22 16:57
o-Cresol		Invalid Compound ID	limmere	03/17/22 16:57
Pyrene		Invalid Compound ID	limmere	03/17/22 16:57

Lab Sample ID: LCS 580-383995/2-A Client Sample ID:

Date Analyzed: 03/17/22 13:58 Lab File ID: 31722A11.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Phenol	4.23	Baseline	limmere	03/17/22 16:59

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Instrument ID: TAC051 Analysis Batch Number: 384146

Lab Sample ID: LCSD 580-383995/3-A Client Sample ID:

Date Analyzed: 03/17/22 14:22 Lab File ID: 31722A12.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Phenol-d5 (Surr)	4.22	Baseline	limmere	03/17/22 17:00

Lab Sample ID: CCVC 580-384146/21 Client Sample ID:

Date Analyzed: 03/17/22 21:21 Lab File ID: 31722A30.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2,4-Dinitrophenol	6.98	Peak assignment corrected	limmere	03/18/22 10:32
Benzofluoranthene	11.42	Peak assignment corrected	limmere	03/18/22 10:32
Benzo[g,h,i]perylene	13.45	Baseline	limmere	03/18/22 10:32

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Instrument ID: TAC051 Analysis Batch Number: 384725

Lab Sample ID: CCVIS 580-384725/3 Client Sample ID:

Date Analyzed: 03/22/22 11:45 Lab File ID: 32222A04.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2,4-Dinitrophenol	6.97	Peak assignment corrected	thaneerat w	03/23/22 10:43
4-Nitrophenol	7.07	Peak assignment corrected	thaneerat w	03/23/22 10:43

Lab Sample ID: 580-111294-1 Client Sample ID: ERH2692 (OWDFMW01)

Date Analyzed: 03/22/22 17:10 Lab File ID: 32222Z15.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
4-Chloro-3-methylphenol		Invalid Compound ID	thaneerat w	03/23/22 10:54
bis (2-chloroisopropyl) ether		Invalid Compound ID	thaneerat w	03/23/22 10:53
Di-n-octyl phthalate		Invalid Compound ID	thaneerat w	03/23/22 10:55

Lab Sample ID: 580-111294-2 Client Sample ID: ERH2772 (Equipment Blank)

Date Analyzed: 03/22/22 17:34 Lab File ID: 32222A16.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2,4,6-Tribromophenol (Surr)	7.56	Incomplete Integration	thaneerat w	03/23/22 10:57
bis (2-chloroisopropyl) ether		Invalid Compound ID	thaneerat w	03/23/22 10:57
Di-n-octyl phthalate		Invalid Compound ID	thaneerat w	03/23/22 10:59

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Instrument ID: TAC051 Analysis Batch Number: 384725

Lab Sample ID: 580-111294-3 Client Sample ID: ERH2743 (RHMW13-5)

Date Analyzed: 03/22/22 17:58 Lab File ID: 32222A17.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
4-Chloro-3-methylphenol		Invalid Compound ID	thaneerat w	03/23/22 11:03
Azobenzene		Invalid Compound ID	thaneerat w	03/23/22 11:04
bis (2-chloroisopropyl) ether		Invalid Compound ID	thaneerat w	03/23/22 11:03
Di-n-octyl phthalate		Invalid Compound ID	thaneerat w	03/23/22 11:04
Phenol		Invalid Compound ID	thaneerat w	03/23/22 11:03

Lab Sample ID: 580-111294-4 Client Sample ID: ERH2744 (RHMW13-5)

Date Analyzed: 03/22/22 18:22 Lab File ID: 32222A18.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
bis (2-chloroisopropyl) ether		Invalid Compound ID	thaneerat w	03/23/22 11:12
Di-n-octyl phthalate		Invalid Compound ID	thaneerat w	03/23/22 11:14

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Instrument ID: TAC051 Analysis Batch Number: 384725

Lab Sample ID: 580-111294-5 Client Sample ID: ERH2745 (RHMW13-5)

Date Analyzed: 03/22/22 18:45 Lab File ID: 32222A19.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
4-Chloro-3-methylphenol		Invalid Compound ID	thaneerat w	03/23/22 11:17
bis (2-chloroisopropyl) ether		Invalid Compound ID	thaneerat w	03/23/22 11:16
Bis(2-chloroethyl)ether		Invalid Compound ID	thaneerat w	03/23/22 11:16
Di-n-octyl phthalate		Invalid Compound ID	thaneerat w	03/23/22 11:18

Lab Sample ID: CCVC 580-384725/18 Client Sample ID:

Date Analyzed: 03/22/22 20:44 Lab File ID: 32222A24.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzyl alcohol	4.57	Incomplete Integration	thaneerat w	03/23/22 11:36
2,4-Dinitrophenol	6.97	Incomplete Integration	thaneerat w	03/23/22 11:36
4-Nitrophenol	7.08	Incomplete Integration	thaneerat w	03/23/22 11:36
2,3,4,6-Tetrachlorophenol	7.17	Incomplete Integration	thaneerat w	03/23/22 11:37
4-Nitroaniline	7.38	Incomplete Integration	thaneerat w	03/23/22 11:37
Benzofluoranthene	11.41	Incomplete Integration	thaneerat w	03/23/22 11:37

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Instrument ID: TAC050 Analysis Batch Number: 378263

Lab Sample ID: STD13 580-378263/4 IC Client Sample ID:

Date Analyzed: 01/14/22 01:16 Lab File ID: SIM011322b014.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[a]anthracene	11.03	Incomplete Integration	boylea	01/14/22 13:59

Lab Sample ID: STD12 580-378263/5 IC Client Sample ID:

Date Analyzed: 01/14/22 01:35 Lab File ID: SIM011322b015.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[a]anthracene	11.02	Incomplete Integration	boylea	01/14/22 13:59
Bis(2-ethylhexyl) phthalate	11.90	Incomplete Integration	boylea	01/14/22 13:58

Lab Sample ID: STD11 580-378263/6 IC Client Sample ID:

Date Analyzed: 01/14/22 01:54 Lab File ID: SIM011322b016.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[a]anthracene	11.02	Incomplete Integration	boylea	01/14/22 14:00
Bis(2-ethylhexyl) phthalate	11.90	Incomplete Integration	boylea	01/14/22 13:58

Lab Sample ID: STD10 580-378263/7 IC Client Sample ID:

Date Analyzed: 01/14/22 02:13 Lab File ID: SIM011322b017.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[a]anthracene	11.01	Incomplete Integration	boylea	01/14/22 14:01
Bis(2-ethylhexyl) phthalate	11.90	Incomplete Integration	boylea	01/14/22 14:01
Benzo[b]fluoranthene	12.47	Peak assignment corrected	boylea	01/14/22 14:01

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Instrument ID: TAC050 Analysis Batch Number: 378263

Lab Sample ID: STD9IS 580-378263/8 IC Client Sample ID:

Date Analyzed: 01/14/22 02:32 Lab File ID: SIM011322b018.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Fluorobiphenyl	6.19	Peak assignment corrected	boylea	01/14/22 14:01
Benzo[a]anthracene	11.01	Incomplete Integration	boylea	01/14/22 14:02
Bis(2-ethylhexyl) phthalate	11.90	Incomplete Integration	boylea	01/14/22 14:02
Benzo[b]fluoranthene	12.47	Incomplete Integration	boylea	01/14/22 14:02

Lab Sample ID: STD8 580-378263/9 IC Client Sample ID:

Date Analyzed: 01/14/22 02:51 Lab File ID: SIM011322b019.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Fluorobiphenyl	6.19	Incomplete Integration	boylea	01/14/22 14:07
Benzo[a]anthracene	11.01	Incomplete Integration	boylea	01/14/22 14:07
Bis(2-ethylhexyl) phthalate	11.89	Assign Peak	boylea	01/14/22 14:07
Benzo[b]fluoranthene	12.47	Split Peak	boylea	01/14/22 14:06
Indeno[1,2,3-cd]pyrene	14.94	Split Peak	boylea	01/14/22 14:06
Dibenz(a,h)anthracene	14.98	Peak assignment corrected	boylea	01/14/22 14:06

Lab Sample ID: STD7 580-378263/10 IC Client Sample ID:

Date Analyzed: 01/14/22 03:10 Lab File ID: SIM011322b020.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Naphthalene	5.19	Shouldering	boylea	01/14/22 14:12
2-Fluorobiphenyl	6.19	Assign Peak	boylea	01/14/22 14:12
Pentachlorophenol	8.13	Incomplete Integration	boylea	01/14/22 14:12
Pyrene	9.75	Incomplete Integration	boylea	01/14/22 14:12
Bis(2-ethylhexyl) phthalate	11.89	Assign Peak	boylea	01/14/22 14:13
Benzo[b]fluoranthene	12.47	Incomplete Integration	boylea	01/14/22 14:13
Indeno[1,2,3-cd]pyrene	14.94	Split Peak	boylea	01/14/22 14:13
Dibenz(a,h)anthracene	14.98	Split Peak	boylea	01/14/22 14:13

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Instrument ID: TAC050 Analysis Batch Number: 378263

Lab Sample ID: STD6 580-378263/11 IC Client Sample ID:

Date Analyzed: 01/14/22 03:29 Lab File ID: SIM011322b021.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Naphthalene	5.19	Shouldering	boylea	01/14/22 14:15
2-Fluorobiphenyl	6.19	Assign Peak	boylea	01/14/22 14:15
Pentachlorophenol	8.13	Assign Peak	boylea	01/14/22 14:15
Bis(2-ethylhexyl) phthalate	11.89	Assign Peak	boylea	01/14/22 14:15
Benzo[b]fluoranthene	12.47	Incomplete Integration	boylea	01/14/22 14:14
Indeno[1,2,3-cd]pyrene	14.94	Split Peak	boylea	01/14/22 14:14
Dibenz(a,h)anthracene	14.99	Incomplete Integration	boylea	01/14/22 14:14
Benzo[g,h,i]perylene	15.43	Incomplete Integration	boylea	01/14/22 14:14

Lab Sample ID: STD5 580-378263/12 IC Client Sample ID:

Date Analyzed: 01/14/22 03:48 Lab File ID: SIM011322b022.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Naphthalene	5.19	Assign Peak	boylea	01/14/22 14:16
2-Fluorobiphenyl	6.19	Assign Peak	boylea	01/14/22 14:16
2,4,6-Tribromophenol (Surr)	7.63	Assign Peak	boylea	01/14/22 14:16
Pentachlorophenol	8.15	Assign Peak	boylea	01/14/22 14:16
Benzo[a]anthracene	11.02	Incomplete Integration	boylea	01/14/22 14:17
Bis(2-ethylhexyl) phthalate	11.89	Assign Peak	boylea	01/14/22 14:18
Benzo[b]fluoranthene	12.47	Incomplete Integration	boylea	01/14/22 14:18
Benzo[k]fluoranthene	12.52	Incomplete Integration	boylea	01/14/22 14:18
Benzo[a]pyrene	12.99	Incomplete Integration	boylea	01/14/22 14:18
Indeno[1,2,3-cd]pyrene	14.94	Split Peak	boylea	01/14/22 14:18
Dibenz(a,h)anthracene	14.99	Assign Peak	boylea	01/14/22 14:19
Benzo[g,h,i]perylene	15.43	Incomplete Integration	boylea	01/14/22 14:19

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Instrument ID: TAC050 Analysis Batch Number: 378263

Lab Sample ID: STD4 580-378263/13 IC Client Sample ID:

Date Analyzed: 01/14/22 04:07 Lab File ID: SIM011322b023.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Naphthalene	5.19	Incomplete Integration	boylea	01/14/22 14:23
2-Fluorobiphenyl	6.19	Assign Peak	boylea	01/14/22 14:23
Fluorene	7.39	Incomplete Integration	boylea	01/14/22 14:22
2,4,6-Tribromophenol (Surr)	7.64	Incomplete Integration	boylea	01/14/22 14:23
Anthracene	8.39	Incomplete Integration	boylea	01/14/22 14:21
Fluoranthene-d10 (Surr)	9.51	Incomplete Integration	boylea	01/14/22 14:23
Fluoranthene	9.52	Assign Peak	boylea	01/14/22 14:21
Pyrene	9.75	Assign Peak	boylea	01/14/22 14:21
Terphenyl-d14	9.90	Incomplete Integration	boylea	01/14/22 14:23
Benzo[a]anthracene	11.02	Assign Peak	boylea	01/14/22 14:21
Chrysene-d12	11.03	Incomplete Integration	boylea	01/14/22 14:36
Chrysene	11.06	Assign Peak	boylea	01/14/22 14:21
Bis(2-ethylhexyl) phthalate	11.90	Assign Peak	boylea	01/14/22 14:21
Benzo[b]fluoranthene	12.47	Assign Peak	boylea	01/14/22 14:21
Benzo[k]fluoranthene	12.52	Assign Peak	boylea	01/14/22 14:21
Benzo[a]pyrene	12.99	Assign Peak	boylea	01/14/22 14:19
Indeno[1,2,3-cd]pyrene	14.95	Assign Peak	boylea	01/14/22 14:19
Dibenz(a,h)anthracene	15.00	Assign Peak	boylea	01/14/22 14:19
Benzo[g,h,i]perylene	15.43	Assign Peak	boylea	01/14/22 14:19

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Instrument ID: TAC050 Analysis Batch Number: 378263

Lab Sample ID: STD3 580-378263/14 IC Client Sample ID:

Date Analyzed: 01/14/22 04:26 Lab File ID: SIM011322b024.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Naphthalene	5.19	Assign Peak	boylea	01/14/22 14:25
2-methylnaphthalene-d10	5.81	Assign Peak	boylea	01/14/22 14:24
2-Methylnaphthalene	5.84	Assign Peak	boylea	01/14/22 14:25
1-Methylnaphthalene	5.94	Assign Peak	boylea	01/14/22 14:25
2-Fluorobiphenyl	6.19	Assign Peak	boylea	01/14/22 14:24
Acenaphthylene	6.72	Assign Peak	boylea	01/14/22 14:25
Fluorene	7.39	Assign Peak	boylea	01/14/22 14:25
2,4,6-Tribromophenol (Surr)	7.64	Assign Peak	boylea	01/14/22 14:24
Phenanthrene	8.34	Assign Peak	boylea	01/14/22 14:25
Anthracene	8.39	Assign Peak	boylea	01/14/22 14:25
Fluoranthene-d10 (Surr)	9.51	Assign Peak	boylea	01/14/22 14:24
Fluoranthene	9.52	Assign Peak	boylea	01/14/22 14:26
Pyrene	9.75	Assign Peak	boylea	01/14/22 14:26
Terphenyl-d14	9.90	Assign Peak	boylea	01/14/22 14:25
Benzo[a]anthracene	11.01	Assign Peak	boylea	01/14/22 14:26
Chrysene	11.06	Assign Peak	boylea	01/14/22 14:26
Bis(2-ethylhexyl) phthalate	11.89	Assign Peak	boylea	01/14/22 14:26
Benzo[b]fluoranthene	12.47	Assign Peak	boylea	01/14/22 14:26
Benzo[k]fluoranthene	12.52	Assign Peak	boylea	01/14/22 14:26
Benzo[a]pyrene	12.98	Assign Peak	boylea	01/14/22 14:27
Indeno[1,2,3-cd]pyrene	14.94	Assign Peak	boylea	01/14/22 14:27
Dibenz(a,h)anthracene	15.00	Assign Peak	boylea	01/14/22 14:27
Benzo[g,h,i]perylene	15.43	Assign Peak	boylea	01/14/22 14:27

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Instrument ID: TAC050 Analysis Batch Number: 378263

Lab Sample ID: STD2 580-378263/15 IC Client Sample ID:

Date Analyzed: 01/14/22 04:45 Lab File ID: SIM011322b025.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Naphthalene	5.19	Assign Peak	boylea	01/14/22 14:29
2-methylnaphthalene-d10	5.81	Assign Peak	boylea	01/14/22 14:28
2-Methylnaphthalene	5.84	Assign Peak	boylea	01/14/22 14:30
1-Methylnaphthalene	5.94	Assign Peak	boylea	01/14/22 14:30
2-Fluorobiphenyl	6.19	Assign Peak	boylea	01/14/22 14:29
Acenaphthylene	6.72	Assign Peak	boylea	01/14/22 14:30
Acenaphthene	6.88	Assign Peak	boylea	01/14/22 14:30
Fluorene	7.39	Assign Peak	boylea	01/14/22 14:31
2,4,6-Tribromophenol (Surr)	7.64	Assign Peak	boylea	01/14/22 14:29
Phenanthrene	8.34	Assign Peak	boylea	01/14/22 14:31
Anthracene	8.39	Assign Peak	boylea	01/14/22 14:31
Fluoranthene-d10 (Surr)	9.51	Assign Peak	boylea	01/14/22 14:29
Fluoranthene	9.53	Assign Peak	boylea	01/14/22 14:31
Pyrene	9.75	Assign Peak	boylea	01/14/22 14:31
Terphenyl-d14	9.90	Assign Peak	boylea	01/14/22 14:29
Benzo[a]anthracene	11.02	Assign Peak	boylea	01/14/22 14:32
Chrysene	11.06	Assign Peak	boylea	01/14/22 14:32
Bis(2-ethylhexyl) phthalate	11.90	Assign Peak	boylea	01/14/22 14:32
Benzo[b]fluoranthene	12.48	Assign Peak	boylea	01/14/22 14:32
Benzo[k]fluoranthene	12.52	Assign Peak	boylea	01/14/22 14:32
Benzo[a]pyrene	12.99	Assign Peak	boylea	01/14/22 14:32
Indeno[1,2,3-cd]pyrene	14.95	Assign Peak	boylea	01/14/22 14:32
Dibenz(a,h)anthracene	15.00	Assign Peak	boylea	01/14/22 14:32
Benzo[g,h,i]perylene	15.44	Assign Peak	boylea	01/14/22 14:33

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Instrument ID: TAC050 Analysis Batch Number: 378263

Lab Sample ID: STD1 580-378263/16 IC Client Sample ID:

Date Analyzed: 01/14/22 05:04 Lab File ID: SIM011322b026.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Naphthalene	5.19	Assign Peak	boylea	01/14/22 14:37
2-methylnaphthalene-d10	5.81	Assign Peak	boylea	01/14/22 14:36
2-Methylnaphthalene	5.84	Assign Peak	boylea	01/14/22 14:37
1-Methylnaphthalene	5.94	Assign Peak	boylea	01/14/22 14:37
2-Fluorobiphenyl	6.19	Assign Peak	boylea	01/14/22 14:37
Acenaphthylene	6.72	Assign Peak	boylea	01/14/22 14:37
Acenaphthene	6.89	Assign Peak	boylea	01/14/22 14:37
Fluorene	7.39	Assign Peak	boylea	01/14/22 14:37
Phenanthrene	8.34	Assign Peak	boylea	01/14/22 14:38
Anthracene	8.40	Assign Peak	boylea	01/14/22 14:38
Fluoranthene-d10 (Surr)	9.51	Assign Peak	boylea	01/14/22 14:37
Fluoranthene	9.53	Assign Peak	boylea	01/14/22 14:38
Pyrene	9.75	Assign Peak	boylea	01/14/22 14:38
Terphenyl-d14	9.90	Assign Peak	boylea	01/14/22 14:37
Benzo[a]anthracene	11.02	Assign Peak	boylea	01/14/22 14:38
Chrysene	11.06	Assign Peak	boylea	01/14/22 14:38
Bis(2-ethylhexyl) phthalate	11.89	Assign Peak	boylea	01/14/22 14:38
Benzo[b]fluoranthene	12.48	Assign Peak	boylea	01/14/22 14:38
Benzo[k]fluoranthene	12.52	Assign Peak	boylea	01/14/22 14:38
Benzo[a]pyrene	12.99	Assign Peak	boylea	01/14/22 14:39
Indeno[1,2,3-cd]pyrene	14.96	Assign Peak	boylea	01/14/22 14:39
Dibenz(a,h)anthracene	15.01	Assign Peak	boylea	01/14/22 14:39
Benzo[g,h,i]perylene	15.44	Assign Peak	boylea	01/14/22 14:39

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Instrument ID: TAC050 Analysis Batch Number: 378263

Lab Sample ID: ICV 580-378263/18 Client Sample ID:

Date Analyzed: 01/14/22 05:42 Lab File ID: SIM011322b028.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[a]anthracene	11.01	Incomplete Integration	boylea	01/14/22 15:39
Bis(2-ethylhexyl) phthalate	11.90	Incomplete Integration	boylea	01/14/22 15:39
Benzo[b]fluoranthene	12.47	Incomplete Integration	boylea	01/14/22 15:39

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Instrument ID: TAC050 Analysis Batch Number: 384301

Lab Sample ID: CCVIS 580-384301/3 Client Sample ID:

Date Analyzed: 03/18/22 11:17 Lab File ID: SIM031822a004.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Fluorobiphenyl	6.17	Baseline	limwirojt	03/21/22 08:33
Bis(2-ethylhexyl) phthalate	11.86	Baseline	limwirojt	03/21/22 08:33
Indeno[1,2,3-cd]pyrene	14.92	Split Peak	limwirojt	03/21/22 08:34
Dibenz(a,h)anthracene	14.96	Peak assignment corrected	limmere	03/18/22 12:51

Lab Sample ID: MB 580-384177/1-A Client Sample ID:

Date Analyzed: 03/18/22 13:02 Lab File ID: SIM031822a005.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Naphthalene	5.17	Assign Peak	limwirojt	03/21/22 08:34
2-Methylnaphthalene	5.82	Assign Peak	limwirojt	03/21/22 08:34
1-Methylnaphthalene	5.92	Assign Peak	limwirojt	03/21/22 08:35
Phenanthrene	8.33	Assign Peak	limwirojt	03/21/22 08:35
Acenaphthene		Invalid Compound ID	limwirojt	03/21/22 08:35
Anthracene		Invalid Compound ID	limwirojt	03/21/22 08:35

Lab Sample ID: LCS 580-384177/2-A Client Sample ID:

Date Analyzed: 03/18/22 13:21 Lab File ID: SIM031822a006.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	14.91	Split Peak	limwirojt	03/21/22 08:42
Dibenz(a,h)anthracene	14.96	Split Peak	limwirojt	03/21/22 08:42

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Instrument ID: TAC050 Analysis Batch Number: 384301

Lab Sample ID: LCSD 580-384177/3-A Client Sample ID:

Date Analyzed: 03/18/22 13:40 Lab File ID: SIM031822a007.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	14.91	Split Peak	limwirojt	03/21/22 08:46
Dibenz(a,h)anthracene	14.96	Split Peak	limwirojt	03/21/22 08:47

Lab Sample ID: 580-111294-1 Client Sample ID: ERH2692 (OWDFMW01)

Date Analyzed: 03/18/22 13:59 Lab File ID: SIM031822a008.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Naphthalene	5.17	Assign Peak	limwirojt	03/21/22 08:48
2-Methylnaphthalene	5.82	Assign Peak	limwirojt	03/21/22 08:48
1-Methylnaphthalene	5.91	Assign Peak	limwirojt	03/21/22 08:48
Acenaphthylene	6.70	Assign Peak	limwirojt	03/21/22 08:48
Acenaphthene	6.87	Assign Peak	limwirojt	03/21/22 08:48
Fluorene	7.38	Assign Peak	limwirojt	03/21/22 08:48
Phenanthrene	8.32	Assign Peak	limwirojt	03/21/22 08:49
Anthracene	8.38	Assign Peak	limwirojt	03/21/22 08:49
Fluoranthene	9.50	Assign Peak	limwirojt	03/21/22 08:49
Pyrene	9.74	Assign Peak	limwirojt	03/21/22 08:49
Benzo[a]anthracene	11.00	Assign Peak	limwirojt	03/21/22 08:49
Chrysene	11.04	Assign Peak	limwirojt	03/21/22 08:49
Benzo[a]pyrene	12.97	Assign Peak	limwirojt	03/21/22 08:49

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Instrument ID: TAC050 Analysis Batch Number: 384301

Lab Sample ID: 580-111294-2 Client Sample ID: ERH2772 (Equipment Blank)

Date Analyzed: 03/18/22 14:18 Lab File ID: SIM031822a009.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Naphthalene	5.17	Assign Peak	limwirojt	03/21/22 08:51
2-Methylnaphthalene	5.82	Assign Peak	limwirojt	03/21/22 08:51
1-Methylnaphthalene	5.92	Assign Peak	limwirojt	03/21/22 08:51
Phenanthrene	8.33	Assign Peak	limwirojt	03/21/22 08:51
Pyrene	9.73	Assign Peak	limwirojt	03/21/22 08:52
Anthracene		Invalid Compound ID	limwirojt	03/21/22 08:52
Fluoranthene		Invalid Compound ID	limwirojt	03/21/22 08:52

Lab Sample ID: 580-111294-3 Client Sample ID: ERH2743 (RHMW13-5)

Date Analyzed: 03/18/22 14:38 Lab File ID: SIM031822a010.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Naphthalene	5.17	Assign Peak	limwirojt	03/21/22 08:56
2-Methylnaphthalene	5.82	Assign Peak	limwirojt	03/21/22 08:57
1-Methylnaphthalene	5.92	Assign Peak	limwirojt	03/21/22 08:57
Acenaphthylene	6.70	Assign Peak	limwirojt	03/21/22 08:57
Phenanthrene	8.33	Assign Peak	limwirojt	03/21/22 08:57
Pyrene	9.74	Assign Peak	limwirojt	03/21/22 08:58
Anthracene		Invalid Compound ID	limwirojt	03/21/22 08:57
Benzo[a]anthracene		Invalid Compound ID	limwirojt	03/21/22 08:58

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Instrument ID: TAC050 Analysis Batch Number: 384301

Lab Sample ID: 580-111294-4 Client Sample ID: ERH2744 (RHMW13-5)

Date Analyzed: 03/18/22 14:57 Lab File ID: SIM031822a011.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Naphthalene	5.17	Assign Peak	limwirojt	03/21/22 08:58
2-Methylnaphthalene	5.82	Assign Peak	limwirojt	03/21/22 08:58
1-Methylnaphthalene	5.92	Assign Peak	limwirojt	03/21/22 08:58
Acenaphthylene	6.70	Assign Peak	limwirojt	03/21/22 08:59
Acenaphthene	6.87	Assign Peak	limwirojt	03/21/22 09:01
Pyrene	9.73	Assign Peak	limwirojt	03/21/22 09:01
Fluoranthene		Invalid Compound ID	limwirojt	03/21/22 09:01
Phenanthrene		Invalid Compound ID	limwirojt	03/21/22 09:01

Lab Sample ID: 580-111294-5 Client Sample ID: ERH2745 (RHMW13-5)

Date Analyzed: 03/18/22 15:16 Lab File ID: SIM031822a012.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Naphthalene	5.17	Assign Peak	limwirojt	03/21/22 09:02
2-Methylnaphthalene	5.82	Assign Peak	limwirojt	03/21/22 09:02
1-Methylnaphthalene	5.91	Assign Peak	limwirojt	03/21/22 09:02
Fluoranthene		Invalid Compound ID	limwirojt	03/21/22 09:03
Phenanthrene		Invalid Compound ID	limwirojt	03/21/22 09:03
Pyrene		Invalid Compound ID	limwirojt	03/21/22 09:03

Lab Sample ID: CCVC 580-384301/12 Client Sample ID:

Date Analyzed: 03/18/22 15:37 Lab File ID: SIM031822a013.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Fluorobiphenyl	6.17	Assign Peak	limwirojt	03/21/22 09:04
Bis(2-ethylhexyl) phthalate	11.86	Assign Peak	limwirojt	03/21/22 09:04
Indeno[1,2,3-cd]pyrene	14.92	Split Peak	limwirojt	03/21/22 09:04
Dibenz(a,h)anthracene	14.96	Split Peak	limwirojt	03/21/22 09:05

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
8270_ic_stk_00062	03/31/22	09/15/21	DCM, Lot DCM CT#211	10 mL	2356TCP_00004	1 mL	2,3,5,6-Tetrachlorophenol	100 ug/mL
					8270Mega_1stk_00016	1 mL	1,1'-Biphenyl	100 ug/mL
							1,2,4,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							1,3-Dinitrobenzene	100 ug/mL
							1,4-Dichlorobenzene	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2,3,4,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	200 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dichlorophenol	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							2-Nitroaniline	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,6-Dinitro-2-methylphenol	200 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							4-Nitroaniline	100 ug/mL
							4-Nitrophenol	200 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Acetophenone	100 ug/mL
							Aniline	100 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Benzofluoranthene	200 ug/mL
							Benzyl alcohol	100 ug/mL
							bis (2-chloroisopropyl) ether	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							m+p-Cresol	100 ug/mL
							n-Decane	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100 ug/mL
							N-Nitrosodiphenylamine	100 ug/mL
							n-Octadecane	100 ug/mL
							Naphthalene	100 ug/mL
							Nitrobenzene	100 ug/mL
							o-Cresol	100 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	100 ug/mL
							Phenol	100 ug/mL
							Pyrene	100 ug/mL
							Pyridine	200 ug/mL
					8270S#10_1stk_00016	1 mL	Benzoic acid	200 ug/mL
					8270S#11_1stk_00011	500 uL	Atrazine	100 ug/mL
					8270S#9_1stk_00015	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
							Benzidine	200 ug/mL
					8270SSstkPhen_00004	0.2 mL	2,4,6-Tribromophenol (Surr)	100 ug/mL
							2-Fluorobiphenyl	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							2-methylnaphthalene-d10	100 ug/mL
							Fluoranthene-d10 (Surr)	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
							Terphenyl-d14	100 ug/mL
.2356TCP_00004	03/10/24	SPEX CertiPrep, Lot AA210304019			(Purchased Reagent)		2,3,5,6-Tetrachlorophenol	1000 ug/mL
.8270Mega_1stk_00016	03/31/22	Restek, Lot A0164427			(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichlorobenzene	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzofluoranthene	2000 ug/mL
							Benzyl alcohol	1000 ug/mL
							bis (2-chloroisopropyl) ether	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							m+p-Cresol	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	1000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							o-Cresol	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
.8270S#10_1stk_00016	03/31/22		Restek, Lot A0164214		(Purchased Reagent)		Benzoic acid	2000 ug/mL
.8270S#11_1stk_00011	03/31/22		Restek, Lot A0164387		(Purchased Reagent)		Atrazine	2000 ug/mL
.8270S#9_1stk_00015	07/31/22		Restek, Lot A0167791		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
.8270SSstkPhen_00004	08/31/23		Phenova, Lot CL12771		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							2-methylnaphthalene-d10	5000 ug/mL
							Fluoranthene-d10 (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14	5000 ug/mL
8270ccv1_50_00039	03/31/22	11/09/21	DCM, Lot 266183	10 mL	8270_ic_stk_00062	5 uL	2,3,5,6-Tetrachlorophenol	50 ug/L
							1,1'-Biphenyl	50 ug/L
							1,2,4,5-Tetrachlorobenzene	50 ug/L
							1,2,4-Trichlorobenzene	50 ug/L
							1,2-Dichlorobenzene	50 ug/L
							1,3-Dichlorobenzene	50 ug/L
							1,3-Dinitrobenzene	50 ug/L
							1,4-Dichlorobenzene	50 ug/L

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1-Methylnaphthalene	50 ug/L
							2,3,4,6-Tetrachlorophenol	50 ug/L
							2,4,5-Trichlorophenol	50 ug/L
							2,4,6-Trichlorophenol	50 ug/L
							2,4-Dichlorophenol	50 ug/L
							2,4-Dimethylphenol	50 ug/L
							2,4-Dinitrophenol	100 ug/L
							2,4-Dinitrotoluene	50 ug/L
							2,6-Dichlorophenol	50 ug/L
							2,6-Dinitrotoluene	50 ug/L
							2-Chloronaphthalene	50 ug/L
							2-Chlorophenol	50 ug/L
							2-Methylnaphthalene	50 ug/L
							2-Nitroaniline	50 ug/L
							2-Nitrophenol	50 ug/L
							3-Nitroaniline	50 ug/L
							4,6-Dinitro-2-methylphenol	100 ug/L
							4-Bromophenyl phenyl ether	50 ug/L
							4-Chloro-3-methylphenol	50 ug/L
							4-Chloroaniline	50 ug/L
							4-Chlorophenyl phenyl ether	50 ug/L
							4-Nitroaniline	50 ug/L
							4-Nitrophenol	100 ug/L
							Acenaphthene	50 ug/L
							Acenaphthylene	50 ug/L
							Acetophenone	50 ug/L
							Aniline	50 ug/L
							Anthracene	50 ug/L
							Azobenzene	50 ug/L
							Benzo[a]anthracene	50 ug/L
							Benzo[a]pyrene	50 ug/L
							Benzo[b]fluoranthene	50 ug/L
							Benzo[g,h,i]perylene	50 ug/L
							Benzo[k]fluoranthene	50 ug/L
							Benzofluoranthene	100 ug/L
							Benzyl alcohol	50 ug/L
							bis (2-chloroisopropyl) ether	50 ug/L
							Bis(2-chloroethoxy)methane	50 ug/L
							Bis(2-chloroethyl)ether	50 ug/L
							Bis(2-ethylhexyl) phthalate	50 ug/L
							Butyl benzyl phthalate	50 ug/L
							Carbazole	50 ug/L
							Chrysene	50 ug/L
							Di-n-butyl phthalate	50 ug/L
							Di-n-octyl phthalate	50 ug/L
							Dibenz(a,h)anthracene	50 ug/L
							Dibenzofuran	50 ug/L
							Diethyl phthalate	50 ug/L

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dimethyl phthalate	50 ug/L
							Fluoranthene	50 ug/L
							Fluorene	50 ug/L
							Hexachlorobenzene	50 ug/L
							Hexachlorobutadiene	50 ug/L
							Hexachlorocyclopentadiene	50 ug/L
							Hexachloroethane	50 ug/L
							Indeno[1,2,3-cd]pyrene	50 ug/L
							Isophorone	50 ug/L
							m+p-Cresol	50 ug/L
							n-Decane	50 ug/L
							N-Nitrosodi-n-propylamine	50 ug/L
							N-Nitrosodimethylamine	50 ug/L
							N-Nitrosodiphenylamine	50 ug/L
							n-Octadecane	50 ug/L
							Naphthalene	50 ug/L
							Nitrobenzene	50 ug/L
							o-Cresol	50 ug/L
							Pentachlorophenol	100 ug/L
							Phenanthrene	50 ug/L
							Phenol	50 ug/L
							Pyrene	50 ug/L
							Pyridine	100 ug/L
							Benzoic acid	100 ug/L
							Atrazine	50 ug/L
							3,3'-Dichlorobenzidine	100 ug/L
							Benzidine	100 ug/L
							2,4,6-Tribromophenol (Surr)	50 ug/L
							2-Fluorobiphenyl	50 ug/L
							2-Fluorophenol (Surr)	50 ug/L
							2-methylnaphthalene-d10	50 ug/L
							Fluoranthene-d10 (Surr)	50 ug/L
							Nitrobenzene-d5 (Surr)	50 ug/L
							Phenol-d5 (Surr)	50 ug/L
							Terphenyl-d14	50 ug/L
					8270SIM_IS_00067	100 uL	1,4-Dichlorobenzene-d4	100 ug/L
							Acenaphthene-d10	100 ug/L
							Chrysene-d12	100 ug/L
							Naphthalene-d8	100 ug/L
							Perylene-d12	100 ug/L
							Phenanthrene-d10	100 ug/L
.8270_ic_stk_00062	03/31/22	09/15/21	DCM, Lot DCM CT#211	10 mL	2356TCP_00004	1 mL	2,3,5,6-Tetrachlorophenol	100 ug/mL
					8270Mega_1stk_00016	1 mL	1,1'-Biphenyl	100 ug/mL
							1,2,4,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							1,3-Dinitrobenzene	100 ug/mL

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,4-Dichlorobenzene	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2,3,4,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	200 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dichlorophenol	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							2-Nitroaniline	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,6-Dinitro-2-methylphenol	200 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							4-Nitroaniline	100 ug/mL
							4-Nitrophenol	200 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Acetophenone	100 ug/mL
							Aniline	100 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Benzofluoranthene	200 ug/mL
							Benzyl alcohol	100 ug/mL
							bis (2-chloroisopropyl) ether	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							m+p-Cresol	100 ug/mL
							n-Decane	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100 ug/mL
							N-Nitrosodiphenylamine	100 ug/mL
							n-Octadecane	100 ug/mL
							Naphthalene	100 ug/mL
							Nitrobenzene	100 ug/mL
							o-Cresol	100 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	100 ug/mL
							Phenol	100 ug/mL
							Pyrene	100 ug/mL
							Pyridine	200 ug/mL
					8270S#10_1stk_00016	1 mL	Benzoic acid	200 ug/mL
					8270S#11_1stk_00011	500 uL	Atrazine	100 ug/mL
					8270S#9_1stk_00015	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
							Benzidine	200 ug/mL
					8270SSstkPhen_00004	0.2 mL	2,4,6-Tribromophenol (Surr)	100 ug/mL
							2-Fluorobiphenyl	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							2-methylnaphthalene-d10	100 ug/mL
							Fluoranthene-d10 (Surr)	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
							Terphenyl-d14	100 ug/mL
..2356TCP_00004	03/10/24	SPEX CertiPrep, Lot AA210304019			(Purchased Reagent)		2,3,5,6-Tetrachlorophenol	1000 ug/mL
..8270Mega_1stk_00016	03/31/22	Restek, Lot A0164427			(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzofluoranthene	2000 ug/mL
							Benzyl alcohol	1000 ug/mL
							bis (2-chloroisopropyl) ether	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							m+p-Cresol	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	1000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							o-Cresol	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
..8270S#10_1stk_00016	03/31/22		Restek, Lot A0164214		(Purchased Reagent)		Benzoic acid	2000 ug/mL
..8270S#11_1stk_00011	03/31/22		Restek, Lot A0164387		(Purchased Reagent)		Atrazine	2000 ug/mL
..8270S#9_1stk_00015	07/31/22		Restek, Lot A0167791		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..8270SSstkPhen_00004	08/31/23		Phenova, Lot CL12771		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							2-methylnaphthalene-d10	5000 ug/mL
							Fluoranthene-d10 (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14	5000 ug/mL
.8270SIM_IS_00067	06/07/22	06/07/21	DCM, Lot CT#211	50 mL	8270ISstk_00007	250 uL	1,4-Dichlorobenzene-d4	10 ug/mL
							Acenaphthene-d10	10 ug/mL
							Chrysene-d12	10 ug/mL
							Naphthalene-d8	10 ug/mL
							Perylene-d12	10 ug/mL
							Phenanthrene-d10	10 ug/mL
..8270ISstk_00007	09/30/24		Restek, Lot A0153348		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
8270flspk_00296	11/30/22	03/04/22	Acetone/DCM, Lot 236884/MeCl_CT201	50 mL	2356TCP_00005	1 mL	2,3,5,6-Tetrachlorophenol	20 ug/mL
					8270Mega_1stk_00018	1 mL	1,1'-Biphenyl	20 ug/mL
							1,2,4,5-Tetrachlorobenzene	20 ug/mL
							1,2,4-Trichlorobenzene	20 ug/mL

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichlorobenzene	20 ug/mL
							1,3-Dichlorobenzene	20 ug/mL
							1,3-Dinitrobenzene	20 ug/mL
							1,4-Dichlorobenzene	20 ug/mL
							1,4-Dioxane	20 ug/mL
							1-Methylnaphthalene	20 ug/mL
							2,3,4,6-Tetrachlorophenol	20 ug/mL
							2,4,5-Trichlorophenol	20 ug/mL
							2,4,6-Trichlorophenol	20 ug/mL
							2,4-Dichlorophenol	20 ug/mL
							2,4-Dimethylphenol	20 ug/mL
							2,4-Dinitrophenol	40 ug/mL
							2,4-Dinitrotoluene	20 ug/mL
							2,6-Dichlorophenol	20 ug/mL
							2,6-Dinitrotoluene	20 ug/mL
							2-Chloronaphthalene	20 ug/mL
							2-Chlorophenol	20 ug/mL
							2-Methylnaphthalene	20 ug/mL
							2-Nitroaniline	20 ug/mL
							2-Nitrophenol	20 ug/mL
							3-Nitroaniline	20 ug/mL
							4,6-Dinitro-2-methylphenol	40 ug/mL
							4-Bromophenyl phenyl ether	20 ug/mL
							4-Chloro-3-methylphenol	20 ug/mL
							4-Chloroaniline	20 ug/mL
							4-Chlorophenyl phenyl ether	20 ug/mL
							4-Nitroaniline	20 ug/mL
							4-Nitrophenol	40 ug/mL
							Acenaphthene	20 ug/mL
							Acenaphthylene	20 ug/mL
							Acetophenone	20 ug/mL
							Aniline	20 ug/mL
							Anthracene	20 ug/mL
							Azobenzene	20 ug/mL
							Benzo[a]anthracene	20 ug/mL
							Benzo[a]pyrene	20 ug/mL
							Benzo[b]fluoranthene	20 ug/mL
							Benzo[g,h,i]perylene	20 ug/mL
							Benzo[k]fluoranthene	20 ug/mL
							Benzofluoranthene	40 ug/mL
							Benzyl alcohol	20 ug/mL
							bis (2-chloroisopropyl) ether	20 ug/mL
							Bis(2-chloroethoxy)methane	20 ug/mL
							Bis(2-chloroethyl)ether	20 ug/mL
							Bis(2-ethylhexyl) phthalate	20 ug/mL
							Butyl benzyl phthalate	20 ug/mL
							Carbazole	20 ug/mL
							Chrysene	20 ug/mL

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Di-n-butyl phthalate	20 ug/mL
							Di-n-octyl phthalate	20 ug/mL
							Dibenz(a,h)anthracene	20 ug/mL
							Dibenzofuran	20 ug/mL
							Diethyl phthalate	20 ug/mL
							Dimethyl phthalate	20 ug/mL
							Diphenylamine	17 ug/mL
							Fluoranthene	20 ug/mL
							Fluorene	20 ug/mL
							Hexachlorobenzene	20 ug/mL
							Hexachlorobutadiene	20 ug/mL
							Hexachlorocyclopentadiene	20 ug/mL
							Hexachloroethane	20 ug/mL
							Hexadecane	20 ug/mL
							Indeno[1,2,3-cd]pyrene	20 ug/mL
							Isophorone	20 ug/mL
							m+p-Cresol	20 ug/mL
							n-Decane	20 ug/mL
							N-Nitrosodi-n-propylamine	20 ug/mL
							N-Nitrosodimethylamine	20 ug/mL
							N-Nitrosodiphenylamine	20 ug/mL
							n-Octadecane	20 ug/mL
							Naphthalene	20 ug/mL
							Nitrobenzene	20 ug/mL
							o-Cresol	20 ug/mL
							Pentachlorophenol	40 ug/mL
							Phenanthrene	20 ug/mL
							Phenol	20 ug/mL
							Pyrene	20 ug/mL
							Pyridine	40 ug/mL
					8270S#10_1stk_00018	1 mL	Benzoic acid	40 ug/mL
							Indene	40 ug/mL
					8270S#11_1stk_00013	1 mL	Atrazine	40 ug/mL
							Benzaldehyde	40 ug/mL
							Caprolactam	40 ug/mL
					8270S#9_1stk_00017	1 mL	3,3'-Dichlorobenzidine	40 ug/mL
							Benzidine	40 ug/mL
.2356TCP_00005	11/01/24	SPEX CertiPrep, Lot AA210304019			(Purchased Reagent)		2,3,5,6-Tetrachlorophenol	1000 ug/mL
.8270Mega_1stk_00018	02/28/23	Restek, Lot A0175066			(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzofluoranthene	2000 ug/mL
							Benzyl alcohol	1000 ug/mL
							bis (2-chloroisopropyl) ether	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Diphenylamine	850 ug/mL

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Hexadecane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							m+p-Cresol	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	1000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							o-Cresol	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
.8270S#10_1stk_00018	12/31/22		Restek, Lot A0173787		(Purchased Reagent)		Benzoic acid	2000 ug/mL
							Indene	2000 ug/mL
.8270S#11_1stk_00013	11/30/22		Restek, Lot A0172244		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
.8270S#9_1stk_00017	02/28/23		Restek, Lot A0175898		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
8270SIM_IS_00069	08/24/22	09/25/21	DCM, Lot CT#215	50 mL	8270ISstk_00007	250 uL	1,4-Dichlorobenzene-d4	10 ug/mL
							Acenaphthene-d10	10 ug/mL
							Chrysene-d12	10 ug/mL
							Naphthalene-d8	10 ug/mL
							Perylene-d12	10 ug/mL
							Phenanthrene-d10	10 ug/mL
.8270ISstk_00007	09/30/24		Restek, Lot A0153348		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
8270waterSurr_00119	12/29/22	03/11/22	Acetone/DCM, Lot 285502/CT#235	50 mL	8270Surr_Phen_00015	10 mL	1,4-Dioxane-d8	100 ug/mL
							2,4,6-Tribromophenol (Surr)	20 ug/mL
							2-Fluorobiphenyl	20 ug/mL
							2-Fluorophenol (Surr)	20 ug/mL

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-methylnaphthalene-d10	20 ug/mL
							Fluoranthene-d10 (Surr)	20 ug/mL
							Nitrobenzene-d5 (Surr)	20 ug/mL
							Phenol-d5 (Surr)	20 ug/mL
							Terphenyl-d14	20 ug/mL
.8270Surr_Phen_00015	01/31/26		Phenova, Lot CL16338		(Purchased Reagent)		1,4-Dioxane-d8	500 ug/mL
							2,4,6-Tribromophenol (Surr)	100 ug/mL
							2-Fluorobiphenyl	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							2-methylnaphthalene-d10	100 ug/mL
							Fluoranthene-d10 (Surr)	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
							Terphenyl-d14	100 ug/mL
ccv_8270_1000_00057	03/31/22	09/15/21	DCM, Lot MeCl2_CT_00211	10 mL	8270_ic_stk_00062	100 uL	2,3,5,6-Tetrachlorophenol	1000 ug/L
							1,1'-Biphenyl	1000 ug/L
							1,2,4,5-Tetrachlorobenzene	1000 ug/L
							1,2,4-Trichlorobenzene	1000 ug/L
							1,2-Dichlorobenzene	1000 ug/L
							1,3-Dichlorobenzene	1000 ug/L
							1,3-Dinitrobenzene	1000 ug/L
							1,4-Dichlorobenzene	1000 ug/L
							1-Methylnaphthalene	1000 ug/L
							2,3,4,6-Tetrachlorophenol	1000 ug/L
							2,4,5-Trichlorophenol	1000 ug/L
							2,4,6-Trichlorophenol	1000 ug/L
							2,4-Dichlorophenol	1000 ug/L
							2,4-Dimethylphenol	1000 ug/L
							2,4-Dinitrophenol	2000 ug/L
							2,4-Dinitrotoluene	1000 ug/L
							2,6-Dichlorophenol	1000 ug/L
							2,6-Dinitrotoluene	1000 ug/L
							2-Chloronaphthalene	1000 ug/L
							2-Chlorophenol	1000 ug/L
							2-Methylnaphthalene	1000 ug/L
							2-Nitroaniline	1000 ug/L
							2-Nitrophenol	1000 ug/L
							3-Nitroaniline	1000 ug/L
							4,6-Dinitro-2-methylphenol	2000 ug/L
							4-Bromophenyl phenyl ether	1000 ug/L
							4-Chloro-3-methylphenol	1000 ug/L
							4-Chloroaniline	1000 ug/L
							4-Chlorophenyl phenyl ether	1000 ug/L
							4-Nitroaniline	1000 ug/L
							4-Nitrophenol	2000 ug/L
							Acenaphthene	1000 ug/L
							Acenaphthylene	1000 ug/L

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acetophenone	1000 ug/L
							Aniline	1000 ug/L
							Anthracene	1000 ug/L
							Azobenzene	1000 ug/L
							Benzo[a]anthracene	1000 ug/L
							Benzo[a]pyrene	1000 ug/L
							Benzo[b]fluoranthene	1000 ug/L
							Benzo[g,h,i]perylene	1000 ug/L
							Benzo[k]fluoranthene	1000 ug/L
							Benzofluoranthene	2000 ug/L
							Benzyl alcohol	1000 ug/L
							bis (2-chloroisopropyl) ether	1000 ug/L
							Bis(2-chloroethoxy)methane	1000 ug/L
							Bis(2-chloroethyl)ether	1000 ug/L
							Bis(2-ethylhexyl) phthalate	1000 ug/L
							Butyl benzyl phthalate	1000 ug/L
							Carbazole	1000 ug/L
							Chrysene	1000 ug/L
							Di-n-butyl phthalate	1000 ug/L
							Di-n-octyl phthalate	1000 ug/L
							Dibenz(a,h)anthracene	1000 ug/L
							Dibenzofuran	1000 ug/L
							Diethyl phthalate	1000 ug/L
							Dimethyl phthalate	1000 ug/L
							Fluoranthene	1000 ug/L
							Fluorene	1000 ug/L
							Hexachlorobenzene	1000 ug/L
							Hexachlorobutadiene	1000 ug/L
							Hexachlorocyclopentadiene	1000 ug/L
							Hexachloroethane	1000 ug/L
							Indeno[1,2,3-cd]pyrene	1000 ug/L
							Isophorone	1000 ug/L
							m+p-Cresol	1000 ug/L
							n-Decane	1000 ug/L
							N-Nitrosodi-n-propylamine	1000 ug/L
							N-Nitrosodimethylamine	1000 ug/L
							N-Nitrosodiphenylamine	1000 ug/L
							n-Octadecane	1000 ug/L
							Naphthalene	1000 ug/L
							Nitrobenzene	1000 ug/L
							o-Cresol	1000 ug/L
							Pentachlorophenol	2000 ug/L
							Phenanthrene	1000 ug/L
							Phenol	1000 ug/L
							Pyrene	1000 ug/L
							Pyridine	2000 ug/L
							Benzoic acid	2000 ug/L
							Atrazine	1000 ug/L

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							3,3'-Dichlorobenzidine	2000 ug/L
							Benzidine	2000 ug/L
							2,4,6-Tribromophenol (Surr)	1000 ug/L
							2-Fluorobiphenyl	1000 ug/L
							2-Fluorophenol (Surr)	1000 ug/L
							2-methylnaphthalene-d10	1000 ug/L
							Fluoranthene-d10 (Surr)	1000 ug/L
							Nitrobenzene-d5 (Surr)	1000 ug/L
							Phenol-d5 (Surr)	1000 ug/L
							Terphenyl-d14	1000 ug/L
					8270SIM_IS_00068	100 uL	1,4-Dichlorobenzene-d4	100 ug/L
							Acenaphthene-d10	100 ug/L
							Chrysene-d12	100 ug/L
							Naphthalene-d8	100 ug/L
							Perylene-d12	100 ug/L
							Phenanthrene-d10	100 ug/L
.8270_ic_stk_00062	03/31/22	09/15/21	DCM, Lot DCM CT#211	10 mL	2356TCP_00004	1 mL	2,3,5,6-Tetrachlorophenol	100 ug/mL
					8270Mega_1stk_00016	1 mL	1,1'-Biphenyl	100 ug/mL
							1,2,4,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							1,3-Dinitrobenzene	100 ug/mL
							1,4-Dichlorobenzene	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2,3,4,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	200 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dichlorophenol	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							2-Nitroaniline	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,6-Dinitro-2-methylphenol	200 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							4-Nitroaniline	100 ug/mL
							4-Nitrophenol	200 ug/mL
							Acenaphthene	100 ug/mL

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthylene	100 ug/mL
							Acetophenone	100 ug/mL
							Aniline	100 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Benzofluoranthene	200 ug/mL
							Benzyl alcohol	100 ug/mL
							bis (2-chloroisopropyl) ether	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							m+p-Cresol	100 ug/mL
							n-Decane	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100 ug/mL
							N-Nitrosodiphenylamine	100 ug/mL
							n-Octadecane	100 ug/mL
							Naphthalene	100 ug/mL
							Nitrobenzene	100 ug/mL
							o-Cresol	100 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	100 ug/mL
							Phenol	100 ug/mL
							Pyrene	100 ug/mL
							Pyridine	200 ug/mL
					8270S#10_1stk_00016	1 mL	Benzoic acid	200 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					8270S#11_1stk_00011	500 uL	Atrazine	100 ug/mL
					8270S#9_1stk_00015	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
							Benzidine	200 ug/mL
					8270SSstkPhen_00004	0.2 mL	2,4,6-Tribromophenol (Surr)	100 ug/mL
							2-Fluorobiphenyl	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							2-methylnaphthalene-d10	100 ug/mL
							Fluoranthene-d10 (Surr)	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
							Terphenyl-d14	100 ug/mL
..2356TCP_00004	03/10/24	SPEX CertiPrep, Lot AA210304019			(Purchased Reagent)		2,3,5,6-Tetrachlorophenol	1000 ug/mL
..8270Mega_1stk_00016	03/31/22	Restek, Lot A0164427			(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzofluoranthene	2000 ug/mL
							Benzyl alcohol	1000 ug/mL
							bis (2-chloroisopropyl) ether	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							m+p-Cresol	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	1000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							o-Cresol	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
..8270S#10_1stk_00016	03/31/22		Restek, Lot A0164214		(Purchased Reagent)		Benzoic acid	2000 ug/mL
..8270S#11_1stk_00011	03/31/22		Restek, Lot A0164387		(Purchased Reagent)		Atrazine	2000 ug/mL
..8270S#9_1stk_00015	07/31/22		Restek, Lot A0167791		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..8270SSstkPhen_00004	08/31/23		Phenova, Lot CL12771		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Fluorophenol (Surr)	5000 ug/mL
							2-methylnaphthalene-d10	5000 ug/mL
							Fluoranthene-d10 (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14	5000 ug/mL
.8270SIM_IS_00068	08/24/22	08/24/21	DCM, Lot CT#215	50 mL	8270ISstk_00007	250 uL	1,4-Dichlorobenzene-d4	10 ug/mL
							Acenaphthene-d10	10 ug/mL
							Chrysene-d12	10 ug/mL
							Naphthalene-d8	10 ug/mL
							Perylene-d12	10 ug/mL
							Phenanthrene-d10	10 ug/mL
..8270ISstk_00007	09/30/24		Restek, Lot A0153348		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
ccv_SIM_500_00086	03/31/22	11/09/21	DCM, Lot MeCl2_CT_00211	10 mL	8270_ic_stk_00062	50 uL	1-Methylnaphthalene	500 ug/L
							2-Methylnaphthalene	500 ug/L
							Acenaphthene	500 ug/L
							Acenaphthylene	500 ug/L
							Anthracene	500 ug/L
							Benzo[a]anthracene	500 ug/L
							Benzo[a]pyrene	500 ug/L
							Benzo[b]fluoranthene	500 ug/L
							Benzo[g,h,i]perylene	500 ug/L
							Benzo[k]fluoranthene	500 ug/L
							Bis(2-ethylhexyl) phthalate	500 ug/L
							Chrysene	500 ug/L
							Dibenz(a,h)anthracene	500 ug/L
							Fluoranthene	500 ug/L
							Fluorene	500 ug/L
							Indeno[1,2,3-cd]pyrene	500 ug/L
							Naphthalene	500 ug/L
							Pentachlorophenol	1000 ug/L
							Phenanthrene	500 ug/L
							Pyrene	500 ug/L
							2,4,6-Tribromophenol (Surr)	500 ug/L
							2-Fluorobiphenyl	500 ug/L
							2-methylnaphthalene-d10	500 ug/L
							Fluoranthene-d10 (Surr)	500 ug/L
							Terphenyl-d14	500 ug/L
					8270SIM_IS_00069	100 uL	Acenaphthene-d10	100 ug/L
							Chrysene-d12	100 ug/L
							Naphthalene-d8	100 ug/L
							Perylene-d12	100 ug/L

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenanthrene-d10	100 ug/L
.8270_ic_stk_00062	03/31/22	09/15/21	DCM, Lot DCM CT#211	10 mL	8270Mega_1stk_00016	1 mL	1-Methylnaphthalene	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Anthracene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Chrysene	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Naphthalene	100 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	100 ug/mL
							Pyrene	100 ug/mL
					8270SSstkPhen_00004	0.2 mL	2,4,6-Tribromophenol (Surr)	100 ug/mL
							2-Fluorobiphenyl	100 ug/mL
							2-methylnaphthalene-d10	100 ug/mL
							Fluoranthene-d10 (Surr)	100 ug/mL
							Terphenyl-d14	100 ug/mL
..8270Mega_1stk_00016	03/31/22		Restek, Lot A0164427		(Purchased Reagent)		1-Methylnaphthalene	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Chrysene	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Naphthalene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Pyrene	1000 ug/mL
..8270SSstkPhen_00004	08/31/23		Phenova, Lot CL12771		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-methylnaphthalene-d10	5000 ug/mL
							Fluoranthene-d10 (Surr)	5000 ug/mL
							Terphenyl-d14	5000 ug/mL
.8270SIM_IS_00069	08/24/22	09/25/21	DCM, Lot CT#215	50 mL	8270ISstk_00007	250 uL	Acenaphthene-d10	10 ug/mL
							Chrysene-d12	10 ug/mL
							Naphthalene-d8	10 ug/mL
							Perylene-d12	10 ug/mL
							Phenanthrene-d10	10 ug/mL
..8270ISstk_00007	09/30/24		Restek, Lot A0153348		(Purchased Reagent)		Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
DFTPPx2_00044							4,4'-DDD	
							4,4'-DDE	
							Tentatively Identified Compound	
							TPAH	
					DFTPPSTK_00014	200 uL	4,4'-DDT	20 ug/mL
							Benzidine_T	20 ug/mL
							DFTPP	20 ug/mL
							Pentachlorophenol_T	20 ug/mL
.DFTPPSTK_00014	08/31/22		Restek, Lot A0151587		(Purchased Reagent)		4,4'-DDT	1000 ug/mL
							Benzidine_T	1000 ug/mL
							DFTPP	1000 ug/mL
							Pentachlorophenol_T	1000 ug/mL
icv_8270_1000_00012	06/07/22	06/07/21	DCM, Lot CT_211	10 mL	8270_IC_STK_00061	100 uL	1,2,4-Trichlorobenzene	1000 ug/L
							1,2-Dichlorobenzene	1000 ug/L
							1,3-Dichlorobenzene	1000 ug/L
							1,4-Dichlorobenzene	1000 ug/L
							2,4,5-Trichlorophenol	1000 ug/L
							2,4,6-Trichlorophenol	1000 ug/L
							2,4-Dichlorophenol	1000 ug/L
							2,4-Dimethylphenol	1000 ug/L
							2,4-Dinitrophenol	2000 ug/L
							2,4-Dinitrotoluene	1000 ug/L
							2,6-Dinitrotoluene	1000 ug/L
							2-Chloronaphthalene	1000 ug/L
							2-Chlorophenol	1000 ug/L
							2-Nitrophenol	1000 ug/L
							4,6-Dinitro-2-methylphenol	2000 ug/L
							4-Bromophenyl phenyl ether	1000 ug/L
							4-Chloro-3-methylphenol	1000 ug/L
							4-Chlorophenyl phenyl ether	1000 ug/L
							4-Nitrophenol	2000 ug/L
							Azobenzene	1000 ug/L
							bis (2-chloroisopropyl) ether	1000 ug/L

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bis(2-chloroethoxy)methane	1000 ug/L
							Bis(2-chloroethyl)ether	1000 ug/L
							Bis(2-ethylhexyl) phthalate	1000 ug/L
							Butyl benzyl phthalate	1000 ug/L
							Di-n-butyl phthalate	1000 ug/L
							Di-n-octyl phthalate	1000 ug/L
							Diethyl phthalate	1000 ug/L
							Dimethyl phthalate	1000 ug/L
							Hexachlorobenzene	1000 ug/L
							Hexachlorobutadiene	1000 ug/L
							Hexachlorocyclopentadiene	1000 ug/L
							Hexachloroethane	1000 ug/L
							Isophorone	1000 ug/L
							m+p-Cresol	1000 ug/L
							N-Nitrosodi-n-propylamine	1000 ug/L
							N-Nitrosodimethylamine	1000 ug/L
							N-Nitrosodiphenylamine	1000 ug/L
							Nitrobenzene	1000 ug/L
							o-Cresol	1000 ug/L
							Pentachlorophenol	2000 ug/L
							Phenol	1000 ug/L
							Pyrene	1000 ug/L
							Pyridine	2000 ug/L
							3,3'-Dichlorobenzidine	2000 ug/L
							2,4,6-Tribromophenol (Surr)	1000 ug/L
							2-Fluorobiphenyl	1000 ug/L
							2-Fluorophenol (Surr)	1000 ug/L
							Nitrobenzene-d5 (Surr)	1000 ug/L
							Phenol-d5 (Surr)	1000 ug/L
							Terphenyl-d14	1000 ug/L
.8270_IC_STK_00061	09/30/21	06/07/21	DCM, Lot CT#211	10 mL	8270L1S1-S_00009	1 mL	1,2,4-Trichlorobenzene	100000 ug/L
							1,2-Dichlorobenzene	100000 ug/L
							1,3-Dichlorobenzene	100000 ug/L
							1,4-Dichlorobenzene	100000 ug/L
							2,4,5-Trichlorophenol	100000 ug/L
							2,4,6-Trichlorophenol	100000 ug/L
							2,4-Dichlorophenol	100000 ug/L
							2,4-Dimethylphenol	100000 ug/L
							2,4-Dinitrophenol	200000 ug/L
							2,4-Dinitrotoluene	100000 ug/L
							2,6-Dinitrotoluene	100000 ug/L
							2-Chloronaphthalene	100000 ug/L
							2-Chlorophenol	100000 ug/L
							2-Nitrophenol	100000 ug/L
							4,6-Dinitro-2-methylphenol	200000 ug/L
							4-Bromophenyl phenyl ether	100000 ug/L
							4-Chloro-3-methylphenol	100000 ug/L
							4-Chlorophenyl phenyl ether	100000 ug/L

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Nitrophenol	200000 ug/L
							Azobenzene	100000 ug/L
							bis (2-chloroisopropyl) ether	100000 ug/L
							Bis(2-chloroethoxy)methane	100000 ug/L
							Bis(2-chloroethyl)ether	100000 ug/L
							Bis(2-ethylhexyl) phthalate	100000 ug/L
							Butyl benzyl phthalate	100000 ug/L
							Di-n-butyl phthalate	100000 ug/L
							Di-n-octyl phthalate	100000 ug/L
							Diethyl phthalate	100000 ug/L
							Dimethyl phthalate	100000 ug/L
							Hexachlorobenzene	100000 ug/L
							Hexachlorobutadiene	100000 ug/L
							Hexachlorocyclopentadiene	100000 ug/L
							Hexachloroethane	100000 ug/L
							Isophorone	100000 ug/L
							m+p-Cresol	100000 ug/L
							N-Nitrosodi-n-propylamine	100000 ug/L
							N-Nitrosodimethylamine	100000 ug/L
							N-Nitrosodiphenylamine	100000 ug/L
							Nitrobenzene	100000 ug/L
							o-Cresol	100000 ug/L
							Pentachlorophenol	200000 ug/L
							Phenol	100000 ug/L
							Pyrene	100000 ug/L
							Pyridine	200000 ug/L
					8270L1S9-S_00009	1 mL	3,3'-Dichlorobenzidine	200000 ug/L
					8270SSstkPhen_00004	0.2 mL	2,4,6-Tribromophenol (Surr)	100000 ug/L
							2-Fluorobiphenyl	100000 ug/L
							2-Fluorophenol (Surr)	100000 ug/L
							Nitrobenzene-d5 (Surr)	100000 ug/L
							Phenol-d5 (Surr)	100000 ug/L
							Terphenyl-d14	100000 ug/L
..8270L1S1-S_00009	09/30/21		Restek, Lot A0159459		(Purchased Reagent)		1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Azobenzene	1000 ug/mL
							bis (2-chloroisopropyl) ether	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Isophorone	1000 ug/mL
							m+p-Cresol	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							o-Cresol	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
..8270L1S9-S_00009	09/30/21		Restek, Lot A0152617		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
..8270SSstkPhen_00004	08/31/23		Phenova, Lot CL12771		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14	5000 ug/mL
icv_8270_1000_00014	01/26/22	10/05/21	DCM, Lot CT_211	10 mL	8270SIM_IS_00067	100 uL	1,4-Dichlorobenzene-d4	100 ug/L
							Acenaphthene-d10	100 ug/L
							Chrysene-d12	100 ug/L
							Naphthalene-d8	100 ug/L
							Perylene-d12	100 ug/L
							Phenanthrene-d10	100 ug/L
.8270SIM_IS_00067	06/07/22	06/07/21	DCM, Lot CT#211	50 mL	8270ISstk_00007	250 uL	1,4-Dichlorobenzene-d4	10 ug/mL
							Acenaphthene-d10	10 ug/mL
							Chrysene-d12	10 ug/mL
							Naphthalene-d8	10 ug/mL
							Perylene-d12	10 ug/mL

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenanthrene-d10	10 ug/mL
..8270ISstk_00007	09/30/24		Restek, Lot A0153348		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
icv_8270_1000_00014	01/26/22	10/05/21	DCM, Lot CT_211	10 mL	8270_IC_STK_00065	100 uL	1,2,4-Trichlorobenzene	1000 ug/L
							1,2-Dichlorobenzene	1000 ug/L
							1,3-Dichlorobenzene	1000 ug/L
							1,4-Dichlorobenzene	1000 ug/L
							1-Methylnaphthalene	1000 ug/L
							2,4,5-Trichlorophenol	1000 ug/L
							2,4,6-Trichlorophenol	1000 ug/L
							2,4-Dichlorophenol	1000 ug/L
							2,4-Dimethylphenol	1000 ug/L
							2,4-Dinitrophenol	2000 ug/L
							2,4-Dinitrotoluene	1000 ug/L
							2,6-Dinitrotoluene	1000 ug/L
							2-Chloronaphthalene	1000 ug/L
							2-Chlorophenol	1000 ug/L
							2-Methylnaphthalene	1000 ug/L
							2-Nitrophenol	1000 ug/L
							4,6-Dinitro-2-methylphenol	2000 ug/L
							4-Bromophenyl phenyl ether	1000 ug/L
							4-Chloro-3-methylphenol	1000 ug/L
							4-Chlorophenyl phenyl ether	1000 ug/L
							4-Nitrophenol	2000 ug/L
							Acenaphthene	1000 ug/L
							Acenaphthylene	1000 ug/L
							Anthracene	1000 ug/L
							Azobenzene	1000 ug/L
							Benzo[a]anthracene	1000 ug/L
							Benzo[a]pyrene	1000 ug/L
							Benzo[b]fluoranthene	1000 ug/L
							Benzo[g,h,i]perylene	1000 ug/L
							Benzo[k]fluoranthene	1000 ug/L
							bis (2-chloroisopropyl) ether	1000 ug/L
							Bis(2-chloroethoxy)methane	1000 ug/L
							Bis(2-chloroethyl)ether	1000 ug/L
							Bis(2-ethylhexyl) phthalate	1000 ug/L
							Butyl benzyl phthalate	1000 ug/L
							Chrysene	1000 ug/L
							Di-n-butyl phthalate	1000 ug/L
							Di-n-octyl phthalate	1000 ug/L
							Dibenz(a,h)anthracene	1000 ug/L
							Diethyl phthalate	1000 ug/L
							Dimethyl phthalate	1000 ug/L

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Fluoranthene	1000 ug/L
							Fluorene	1000 ug/L
							Hexachlorobenzene	1000 ug/L
							Hexachlorobutadiene	1000 ug/L
							Hexachlorocyclopentadiene	1000 ug/L
							Hexachloroethane	1000 ug/L
							Indeno[1,2,3-cd]pyrene	1000 ug/L
							Isophorone	1000 ug/L
							m+p-Cresol	1000 ug/L
							N-Nitrosodi-n-propylamine	1000 ug/L
							N-Nitrosodimethylamine	1000 ug/L
							N-Nitrosodiphenylamine	1000 ug/L
							Naphthalene	1000 ug/L
							Nitrobenzene	1000 ug/L
							o-Cresol	1000 ug/L
							Pentachlorophenol	2000 ug/L
							Phenanthrene	1000 ug/L
							Phenol	1000 ug/L
							Pyrene	1000 ug/L
							Pyridine	2000 ug/L
							3,3'-Dichlorobenzidine	2000 ug/L
							2,4,6-Tribromophenol (Surr)	1000 ug/L
							2-Fluorobiphenyl	1000 ug/L
							2-Fluorophenol (Surr)	1000 ug/L
							2-methylnaphthalene-d10	1000 ug/L
							Fluoranthene-d10 (Surr)	1000 ug/L
							Nitrobenzene-d5 (Surr)	1000 ug/L
							Phenol-d5 (Surr)	1000 ug/L
							Terphenyl-d14	1000 ug/L
.8270_IC_STK_00065	01/26/22	10/05/21	DCM, Lot CT#211	10 mL	8270L1S1-S_00011	1 mL	1,2,4-Trichlorobenzene	100000 ug/L
							1,2-Dichlorobenzene	100000 ug/L
							1,3-Dichlorobenzene	100000 ug/L
							1,4-Dichlorobenzene	100000 ug/L
							1-Methylnaphthalene	100000 ug/L
							2,4,5-Trichlorophenol	100000 ug/L
							2,4,6-Trichlorophenol	100000 ug/L
							2,4-Dichlorophenol	100000 ug/L
							2,4-Dimethylphenol	100000 ug/L
							2,4-Dinitrophenol	200000 ug/L
							2,4-Dinitrotoluene	100000 ug/L
							2,6-Dinitrotoluene	100000 ug/L
							2-Chloronaphthalene	100000 ug/L
							2-Chlorophenol	100000 ug/L
							2-Methylnaphthalene	100000 ug/L
							2-Nitrophenol	100000 ug/L
							4,6-Dinitro-2-methylphenol	200000 ug/L
							4-Bromophenyl phenyl ether	100000 ug/L
							4-Chloro-3-methylphenol	100000 ug/L

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Chlorophenyl phenyl ether	100000 ug/L
							4-Nitrophenol	200000 ug/L
							Acenaphthene	100000 ug/L
							Acenaphthylene	100000 ug/L
							Anthracene	100000 ug/L
							Azobenzene	100000 ug/L
							Benzo[a]anthracene	100000 ug/L
							Benzo[a]pyrene	100000 ug/L
							Benzo[b]fluoranthene	100000 ug/L
							Benzo[g,h,i]perylene	100000 ug/L
							Benzo[k]fluoranthene	100000 ug/L
							bis (2-chloroisopropyl) ether	100000 ug/L
							Bis(2-chloroethoxy)methane	100000 ug/L
							Bis(2-chloroethyl)ether	100000 ug/L
							Bis(2-ethylhexyl) phthalate	100000 ug/L
							Butyl benzyl phthalate	100000 ug/L
							Chrysene	100000 ug/L
							Di-n-butyl phthalate	100000 ug/L
							Di-n-octyl phthalate	100000 ug/L
							Dibenz(a,h)anthracene	100000 ug/L
							Diethyl phthalate	100000 ug/L
							Dimethyl phthalate	100000 ug/L
							Fluoranthene	100000 ug/L
							Fluorene	100000 ug/L
							Hexachlorobenzene	100000 ug/L
							Hexachlorobutadiene	100000 ug/L
							Hexachlorocyclopentadiene	100000 ug/L
							Hexachloroethane	100000 ug/L
							Indeno[1,2,3-cd]pyrene	100000 ug/L
							Isophorone	100000 ug/L
							m+p-Cresol	100000 ug/L
							N-Nitrosodi-n-propylamine	100000 ug/L
							N-Nitrosodimethylamine	100000 ug/L
							N-Nitrosodiphenylamine	100000 ug/L
							Naphthalene	100000 ug/L
							Nitrobenzene	100000 ug/L
							o-Cresol	100000 ug/L
							Pentachlorophenol	200000 ug/L
							Phenanthrene	100000 ug/L
							Phenol	100000 ug/L
							Pyrene	100000 ug/L
							Pyridine	200000 ug/L
					8270L1S9-S_00012	1 mL	3,3'-Dichlorobenzidine	200000 ug/L
					8270SSstkPhen_00004	0.2 mL	2,4,6-Tribromophenol (Surr)	100000 ug/L
							2-Fluorobiphenyl	100000 ug/L
							2-Fluorophenol (Surr)	100000 ug/L
							2-methylnaphthalene-d10	100000 ug/L
							Fluoranthene-d10 (Surr)	100000 ug/L

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Nitrobenzene-d5 (Surr)	100000 ug/L
							Phenol-d5 (Surr)	100000 ug/L
							Terphenyl-d14	100000 ug/L
..8270L1S1-S_00011	05/28/22		Restek, Lot A0159459		(Purchased Reagent)		1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							bis (2-chloroisopropyl) ether	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							m+p-Cresol	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							o-Cresol	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
..8270L1S9-S_00012	01/26/22		Restek, Lot A0152617		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
..8270SSstkPhen_00004	08/31/23		Phenova, Lot CL12771		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							2-methylnaphthalene-d10	5000 ug/mL
							Fluoranthene-d10 (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14	5000 ug/mL

Reagent

2356TCP_00004

Reference Materials Producer
Cert #2495.01

SPEXertificate®
Certificate of Reference Material

Chemical Testing
Cert #2495.02

Catalog Number: S-3410 **Lot No.** AA210304019

Description: 2,3,5,6-Tetrachlorophenol

Matrix: Methanol

Ship Date: December 28, 2021

Expiration Date: December 27, 2024

This **SPEXOrganics®** Certified Reference Material, CRM, is intended primarily for use as a calibration standard or quality control standard for organic chromatography instrumentation such as GC, GC-MS, LC, and LC-MS. It can be employed in USEPA, ASTM and other methods relevant to the certified properties listed below.

Certified Compounds:

Compound	CAS #	Labeled	Purity	Certified†	Uncertainty
2,3,5,6-Tetrachlorophenol	935-95-5	1000 µg/mL	98.8%	1004 µg/mL	± 25 µg/mL

* - Isomer ratios (when applicable) are an uncertified parameter.

Final Solution Verification:

Final solution integrity verified by Gas Chromatography/Mass Spectrometry. The mass spectrum of each compound was confirmed against the NIST mass spectral database.

† Certified concentration based on gravimetric weights and corrected for the purity of the compound(s) used to prepare the standard. Analytical balance calibration is verified daily with C1 weight set #23-190006 which is registered with Atlantic Scale, and traceable to NIST and NJ Division of Weights and Measures.

This CRM is guaranteed stable and accurate to within the uncertainty listed for the certified value. This includes uncertainty components due to preparation, homogeneity, short term and long term stability. During the stated period of validity, the purchaser will be notified if this product is recalled due to any significant changes in the stability of the solution. For further information, contact the Sales Support Department at crmsales@spexcsp.com.

Date of Certification: December 28, 2021

Certifying Officer: Shannon Mace

Shannon Macieira, Operations Manager

Report of Certification

Catalog Number: S-3410
Lot No. AA210304019
Description: 2,3,5,6-Tetrachlorophenol
Matrix: Methanol
Ship Date: December 28, 2021
Expiration Date: December 27, 2024

This Certified Reference Material (CRM) has been prepared and certified under an ISO 9001 (certified by DQS) and ISO 17025 (accredited by A2LA), and ISO 17034 (accredited by A2LA) quality system consistent with the following standards:

- ISO 9001: Quality management systems - Requirements
- ISO/IEC 17025: General requirements for the competence of testing and calibration laboratories
- ISO 17034: General requirements for the competence of reference material producers
- ISO Guide 30: Reference Materials - Selected terms and definitions
- ISO Guide 31: Reference Materials - Contents of certificates and lables
- ISO Guide 35: Refernece Materials - General and Statistical principals for certification
- Guide to the Expression of Uncertainty in Measurement, 2008
- EURACHEM/CITAC Guide: Qualifying Uncertainty in Analytical Measurement - Third Edition
- NIST Technical Note 1297

Storage Requirements:

To ensure the stability of the product once it arrives in your laboratory, please store this product in ambient conditions (18°C to 27°C). Note: Shipping conditions may differ from storage conditions. The EXPIRATION DATE is calculated from the SHIPPED DATE using our stability data and is applicable only if the product is stored under the laboratory specified conditions.

Instructions for Use:

Let material come to room temperature before use. Check for precipitate and if necessary sonicate for one minute. If compounds do not dissolve after one minute then sonicate further until the product is dissolved. A clear appearance is acceptable. The minimum recommended amount that should be removed from this vial is 5µL with a 25µL gas tight syringe. All solutions should be thoroughly mixed, by shaking, prior to use. All surfaces that come in contact with the solution must be thoroughly cleaned prior to use. Dilutions should be performed only with Class A volumetric glassware.

Material Source:

All analytes and matrix materials are obtained and verified by SPEX CertiPrep from pre-qualified vendors as per ISO guidelines. Vendor identifications are proprietary, however sources of all materials used in the preparation and testing of SPEX CertiPrep CRMs are tracked and documented. For assistance, please contact sales support at crmsales@spexcsp.com.

Method of Preparation:

Clean laboratory procedures and techniques have been used throughout the preparation. All materials, equipment, and analytical instrumentation have been qualified prior to use. The highest purity solvents and Class A/ calibrated volumetrics have been used in all preparations.

Homogeneity:

The homogeneity of this CRM has been confirmed by procedures consistent with ISO 17025, ISO 17034, and ASTM D6362-98 Appendix X2. Random, replicate samples of the final, packaged material have been analyzed to prove homogeneity in accordance with our internal procedure 4300-HOMOGEN-1A. This is consistent with the intended use of this CRM. The Degree of Homogeneity, as expressed as maximum between-bottle variation, is 1.2%

Statistical Estimator and Confidence Limits:

The Certified value 'X' as listed on the reverse of this document is at the 95% level of confidence and can be expressed as:

- $X = x \pm U$ where X=certified value, U=expanded uncertainty, x=property value
- $U = ku_c$ where k=2 is the coverage factor at the 95% confidence level
- u_c = combined standard uncertainty obtained by combining the individual compound standard uncertainty components u_i, where $u_c = \sqrt{\sum u_i^2}$

Legal Notice:

SPEX CertiPrep Certified Reference Materials are not for any cosmetic, drug, or household application and are to be used only by qualified individuals who are trained in appropriate procedures. No claims against SPEX CertiPrep of any kind whatsoever, whether based on breech of warranty, alleged negligence, or otherwise, with respect to this Reference Material shall be greater than the purchase price. In no event shall SPEX CertiPrep be liable for any loss of profits or any incidental, special, or consequential damages.

SPEX CertiPrep®
Your Science is Our Passion.®

203 Norcross Ave. Metuchen, NJ 08840
www.spexcertiprep.com • E-mail: crmsales@spexcsp.com
Phone: 1-732-549-7144 • Fax 1-732-603-9647

Accredited to 17025 & 17034 ISO Certified to 9001

Reagent

2356TCP_00005

ACCREDITED
Reference Materials Producer
Cert #2495.01

SPEXertificate®
Certificate of Reference Material

ilac-MRA ACCREDITED
Chemical Testing
Cert #2495.02

Catalog Number: S-3410 **Lot No.** AA210304019

Description: 2,3,5,6-Tetrachlorophenol

Matrix: Methanol

Ship Date: November 2, 2021
Expiration Date: November 1, 2024

This **SPEXOrganics®** Certified Reference Material, CRM, is intended primarily for use as a calibration standard or quality control standard for organic chromatography instrumentation such as GC, GC-MS, LC, and LC-MS. It can be employed in USEPA, ASTM and other methods relevant to the certified properties listed below.

Certified Compounds:

Compound	CAS #	Labeled	Purity	Certified†	Uncertainty
2,3,5,6-Tetrachlorophenol	935-95-5	1000 µg/mL	98.8%	1004 µg/mL	± 25 µg/mL

* - Isomer ratios (when applicable) are an uncertified parameter.

Final Solution Verification:

Final solution integrity verified by Gas Chromatography/Mass Spectrometry. The mass spectrum of each compound was confirmed against the NIST mass spectral database.

† Certified concentration based on gravimetric weights and corrected for the purity of the compound(s) used to prepare the standard. Analytical balance calibration is verified daily with C1 weight set #23-190006 which is registered with Atlantic Scale, and traceable to NIST and NJ Division of Weights and Measures.

This CRM is guaranteed stable and accurate to within the uncertainty listed for the certified value. This includes uncertainty components due to preparation, homogeneity, short term and long term stability. During the stated period of validity, the purchaser will be notified if this product is recalled due to any significant changes in the stability of the solution. For further information, contact the Sales Support Department at crmsales@spexcsp.com.

Date of Certification: November 2, 2021

Certifying Officer: Shannon Nace
Shannon Macieira, Operations Manager

Reagent

8270flspk_00296

Preliminary Report

Eurofins TestAmerica, Seattle
CCV, Cal Verification Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20200820-72434.b\820A06.D
Lims ID: 8270flspk_00269
Client ID:
Sample Type: CCV
Inject. Date: 20-Aug-2020 14:09:30 ALS Bottle#: 6 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 8270FLSPK_00269
Misc. Info.: 20X
Operator ID: jkm Instrument ID: TAC051
Sublist: chrom-8270 TAC051*sub32

Method: \\chromfs\Seattle\ChromData\TAC051\20200820-72434.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 20-Aug-2020 15:21:54 Calib Date: 31-Jul-2020 22:24:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20200731-72074.b\0731B14.D

Column 1 : Det: MS SCAN
Process Host: CTX1001

Start Cal Date: 31-Jul-2020 18:50:30
End Cal Date: 31-Jul-2020 22:24:30

Compound	Standard RRF/Amt	DLT RT	Ccal Amt	Ccal RF	Min. RRF	%D	Max. %D	%Rec
$ 7 2-Fluorophenol	*ND							
$ 8 Phenol-d5	*ND							
$ 9 Nitrobenzene-d5	*ND							
$ 11 2-Fluorobiphenyl	*ND							
$ 12 2,4,6-Tribromophenol	*ND							
$ 14 Terphenyl-d14	*ND							
16 N-Nitrosodimethylamine	1000.0	0.0	904.2	0.361975	0.010	-9.6	20	90
17 Pyridine	2000.0	0.0	1816.3	0.645577	0.010	-9.2	20	91
19 Phenol	1000.0	0.0	911.0	0.959441	0.800	-8.9	20	91
18 Aniline	1000.0	0.0	900.0	1.181467	0.010	-10	20	90
20 Bis(2-chloroethyl)ether	1000.0	0.0	917.5	0.781316	0.700	-8.3	20	92
21 2-Chlorophenol	1000.0	0.0	947.9	1.178209	0.800	-5.2	20	95
22 n-Decane	1000.0	0.0	887.3	0.660906	0.000	-11.3	20	89
23 1,3-Dichlorobenzene	1000.0	0.0	919.9	1.344327	0.010	-8.0	20	92
25 1,4-Dichlorobenzene	1000.0	0.0	921.3	1.330284	0.010	-7.9	20	92
26 Benzyl alcohol	1000.0	0.0	797.3	0.459577	0.010	*-20.3	20	80
27 1,2-Dichlorobenzene	1000.0	0.0	932.5	1.316154	0.010	-6.7	20	93
28 2-Methylphenol	1000.0	0.0	834.7	0.818210	0.700	-16.5	20	83
29 2,2'-oxybis[1-chloropro	1000.0	0.0	884.7	0.955593	0.010	-11.5	20	88
30 Acetophenone	1000.0	0.0	926.1	1.236997	0.010	-7.4	20	93
31 N-Nitrosodi-n-propylami	(I) 0.455524	0.0		* 0.431481	0.500	-5.3	20	95
32 3 & 4 Methylphenol	1000.0	0.0	868.8	0.823476	0.600	-13.1	20	87
33 Hexachloroethane	1000.0	0.0	984.0	0.518981	0.300	-1.6	20	98
34 Nitrobenzene	1000.0	0.0	850.2	0.619727	0.200	-15.0	20	85
35 Isophorone	1000.0	0.0	922.0	1.296449	0.400	-7.8	20	92

Preliminary Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20200820-72434.b\820A06.D

Compound	Standard RRF/Amt	DLT RT	Ccal Amt	Ccal RF	Min. RRF	%D	Max. %D	%Rec
36 2-Nitrophenol	0.147551	0.0		0.165071	0.100	11.9	20	112
37 2,4-Dimethylphenol	0.928642	0.0		0.914986	0.200	-1.5	20	99
39 Benzoic acid	2000.0	0.0	1700.2	0.112363	0.010	-15.0	20	85
38 Bis(2-chloroethoxy)meth	1000.0	0.0	926.2	0.926950	0.300	-7.4	20	93
40 2,4-Dichlorophenol	1000.0	0.0	981.0	0.225673	0.200	-1.9	20	98
41 1,2,4-Trichlorobenzene	1000.0	0.0	1048.1	0.273299	0.010	4.8	20	105
42 Naphthalene	1000.0	0.0	980.2	0.910693	0.700	-2.0	20	98
43 4-Chloroaniline	1000.0	0.0	846.7	0.298498	0.010	-15.3	20	85
44 2,6-Dichlorophenol	0.445072	0.0		0.434328	0.010	-2.4	20	98
45 Hexachlorobutadiene	0.127294	0.0		0.139357	0.010	9.5	20	109
46 4-Chloro-3-methylphenol	1000.0	0.0	815.5	0.333554	0.200	-18.5	20	82
47 2-Methylnaphthalene	1000.0	0.0	965.2	0.609966	0.400	-3.5	20	97
48 1-Methylnaphthalene	1000.0	0.0	968.5	0.568064	0.010	-3.2	20	97
49 Hexachlorocyclopentadie	0.304774	0.0		0.283490	0.050	-7.0	20	93
50 1,2,4,5-Tetrachlorobenz	1000.0	0.0	963.2	0.435554	0.000	-3.7	20	96
52 2,4,6-Trichlorophenol	1000.0	0.0	836.6	0.250594	0.200	-16.3	20	84
53 2,4,5-Trichlorophenol	(I) 1000.0	0.0	1004.8	0.326285	0.200	0.5	20	100
54 1,1'-Biphenyl	1000.0	0.0	859.9	1.276118	0.010	-14.0	20	86
55 2-Chloronaphthalene	1000.0	0.0	874.7	1.007676	0.800	-12.5	20	87
56 2-Nitroaniline	1000.0	0.0	897.4	0.334289	0.010	-10.3	20	90
57 Dimethyl phthalate	1000.0	0.0	917.7	1.121027	0.010	-8.2	20	92
58 1,3-Dinitrobenzene	1000.0	0.0	907.9	0.163513	0.000	-9.2	20	91
59 2,6-Dinitrotoluene	(I) 1000.0	0.0	902.8	0.257665	0.200	-9.7	20	90
60 Acenaphthylene	1000.0	0.0	900.3	1.613681	0.900	-10	20	90
61 3-Nitroaniline	1000.0	0.0	917.1	0.278774	0.010	-8.3	20	92
62 Acenaphthene	1.130761	0.0		1.024322	0.900	-9.4	20	91
63 2,4-Dinitrophenol	2000.0	0.0	2088.8	0.100259	0.010	4.4	20	104
64 4-Nitrophenol	2000.0	0.0	1951.7	0.112532	0.010	-2.4	20	98
65 2,4-Dinitrotoluene	(I) 1000.0	0.0	926.1	0.331813	0.200	-7.4	20	93
66 Dibenzofuran	1.480710	0.0		1.381435	0.800	-6.7	20	93
67 2,3,4,6-Tetrachlorophen	1000.0	0.0	997.5	0.207185	0.010	-0.3	20	100
68 Diethyl phthalate	1.301646	0.0		1.225005	0.010	-5.9	20	94
69 Fluorene	1000.0	0.0	947.6	1.149144	0.900	-5.2	20	95
70 4-Chlorophenyl phenyl e	0.508412	0.0		0.491442	0.400	-3.3	20	97
71 4-Nitroaniline	1000.0	0.0	1094.8	0.309869	0.010	9.5	20	109
72 4,6-Dinitro-2-methylphe	2000.0	0.0	2160.6	0.097266	0.010	8.0	20	108
73 N-Nitrosodiphenylamine	0.549545	0.0		0.554488	0.010	0.9	20	101
74 Azobenzene	1000.0	0.0	978.0	0.470843	0.000	-2.2	20	98
75 4-Bromophenyl phenyl et	0.190324	0.0		0.184596	0.100	-3.0	20	97
76 Hexachlorobenzene	0.243010	0.0		0.228455	0.100	-6.0	20	94
77 Atrazine	0.278577	0.0		0.563303	0.010	*102.2	20	202
78 Pentachlorophenol	2000.0	0.0	1976.4	0.113655	0.050	-1.2	20	99
79 n-Octadecane	1000.0	0.0	914.3	0.273348	0.000	-8.6	20	91
80 Phenanthrene	1.060496	0.0		1.074722	0.700	1.3	20	101
81 Anthracene	1000.0	0.0	1045.6	1.120926	0.700	4.6	20	105

Preliminary Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20200820-72434.b\820A06.D

Compound	Standard RRF/Amt	DLT RT	Ccal Amt	Ccal RF	Min. RRF	%D	Max. %D	%Rec
83 Carbazole	0.786169	0.0		0.994039	0.010	*26.4	20	126
84 Di-n-butyl phthalate	1.273716	0.0		1.347000	0.010	5.8	20	106
85 Fluoranthene	0.995090	0.0		1.060149	0.600	6.5	20	107
88 Benzidine	2000.0	0.0	2405.7	0.431250	0.010	*20.3	20	120
89 Pyrene	1000.0	0.0	1094.6	1.142933	0.600	9.5	20	109
90 4,4'-DDE	*ND							
93 4,4'-DDD	*ND							
94 Butyl benzyl phthalate	0.676658	0.0		0.709716	0.010	4.9	20	105
96 3,3'-Dichlorobenzidine	2000.0	0.0	2432.3	0.454899	0.010	*21.6	20	122
97 Benzo[a]anthracene	1.108207	0.0		1.095645	0.800	-1.1	20	99
99 Chrysene	1.237871	0.0		1.227364	0.700	-0.8	20	99
98 Bis(2-ethylhexyl) phtha	1000.0	0.0	982.0	1.005085	0.010	-1.8	20	98
100 Di-n-octyl phthalate	1000.0	0.0	963.3	1.480588	0.010	-3.7	20	96
101 Benzo[b]fluoranthene	1.053743	0.0		1.030314	0.700	-2.2	20	98
102 Benzofluoranthene	*ND							
103 Benzo[k]fluoranthene	1.241038	0.0		1.249809	0.700	0.7	20	101
104 Benzo[a]pyrene	0.970570	0.0		0.931557	0.700	-4.0	20	96
105 Indeno[1,2,3-cd]pyrene	1000.0	0.0	814.9	0.809948	0.500	-18.5	20	81
106 Dibenz(a,h)anthracene	1000.0	0.0	736.4	0.717275	0.400	*-26.4	20	74
107 Benzo[g,h,i]perylene	1000.0	0.0	807.4	0.891678	0.500	-19.3	20	81
116 Hexadecane	*ND							
111 Caprolactam	*ND							
119 Indene	*ND							

(I) Fails an Initial Calibration Test

Reagent

8270ISstk_00007

RESTEK®
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 567684 **Lot No.:** A0153348

Description : 8270 Internal Standard

8270 Internal Standard 2,000µg/mL, Methylene chloride, 5mL/ampul

2529260
ID: 8270ISstk_00007
Exp: 09/30/24 Prpd: E1L
8270 internal standard st

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : September 30, 2024 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive.

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	1,4-Dichlorobenzene-d4		2,001.9 µg/mL	+/- 11.6390 µg/mL		Gravimetric
	CAS # 3855-82-1	(Lot PR-18488)		+/- 90.1653 µg/mL		Unstressed
	Purity 99%			+/- 100.0495 µg/mL		Stressed
2	Naphthalene-d8		2,004.6 µg/mL	+/- 11.6549 µg/mL		Gravimetric
	CAS # 1146-65-2	(Lot M-1452)		+/- 90.2884 µg/mL		Unstressed
	Purity 99%			+/- 100.1861 µg/mL		Stressed
3	Acenaphthene-d10		2,003.3 µg/mL	+/- 11.6476 µg/mL		Gravimetric
	CAS # 15067-26-2	(Lot PR-28021)		+/- 90.2313 µg/mL		Unstressed
	Purity 99%			+/- 100.1228 µg/mL		Stressed
4	Phenanthrene-d10		2,001.9 µg/mL	+/- 11.6390 µg/mL		Gravimetric
	CAS # 1517-22-2	(Lot PR-27621)		+/- 90.1653 µg/mL		Unstressed
	Purity 99%			+/- 100.0495 µg/mL		Stressed
5	Chrysene-d12		2,003.7 µg/mL	+/- 11.6499 µg/mL		Gravimetric
	CAS # 1719-03-5	(Lot PR-29295)		+/- 90.2493 µg/mL		Unstressed
	Purity 99%			+/- 100.1428 µg/mL		Stressed
6	Perylene-d12		2,002.0 µg/mL	+/- 11.6398 µg/mL		Gravimetric
	CAS # 1520-96-3	(Lot PR-27342)		+/- 90.1713 µg/mL		Unstressed
	Purity 99%			+/- 100.0562 µg/mL		Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

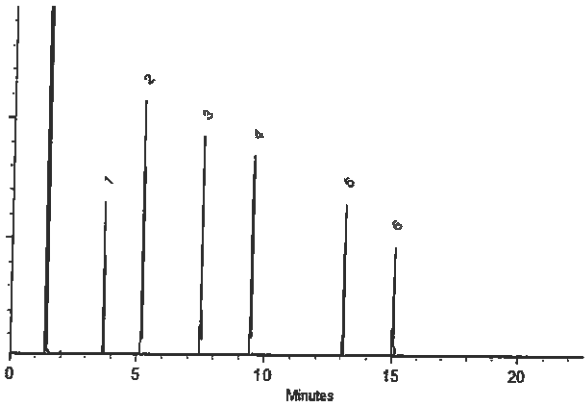
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Cathleen Soltis - Mix Technician

Date Mixed: 26-Sep-2019 **Balance:** B442140311

Justine Albertson - Operations Tech-ARM QC

Date Passed: 01-Oct-2019

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

Reagent

8270L1S1-S_00009

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 571995.SEC **Lot No.:** A0159459

Description : 8270 List 1 / Std #1 MegaMix (2017)

8270 List 1 / Std #1 MegaMix (2017) 500-2000 µg/mL, Methylene chloride, 5mL/ampul

Container Size : 10 mL **Pkg Amt:** > 5 mL

Expiration Date : September 30, 2021 **Storage:** 0°C or colder

Handling: Carcinogen/reproductive toxin. Photosensitive. Sonicate.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L., K=2)	
1	1,4-Dioxane CAS # 123-91-1.SEC (Lot 8CALO) Purity 99%	1,003.4 µg/mL	+/- 5.8473 µg/mL +/- 12.0013 µg/mL +/- 19.0935 µg/mL	Gravimetric Unstressed Stressed
2	N-Nitrosodimethylamine CAS # 62-75-9.SEC (Lot 71L89) Purity 99%	1,004.2 µg/mL	+/- 5.8520 µg/mL +/- 12.0108 µg/mL +/- 19.1087 µg/mL	Gravimetric Unstressed Stressed
3	Pyridine CAS # 110-86-1.SEC (Lot QN8DK) Purity 99%	2,002.8 µg/mL	+/- 11.6445 µg/mL +/- 23.9416 µg/mL +/- 38.1027 µg/mL	Gravimetric Unstressed Stressed
4	Phenol CAS # 108-95-2.SEC (Lot EDPYN) Purity 99%	1,002.4 µg/mL	+/- 5.8415 µg/mL +/- 11.9893 µg/mL +/- 19.0745 µg/mL	Gravimetric Unstressed Stressed
5	Aniline CAS # 62-53-3.SEC (Lot ZCD3N) Purity 99%	1,007.0 µg/mL	+/- 5.8683 µg/mL +/- 12.0443 µg/mL +/- 19.1620 µg/mL	Gravimetric Unstressed Stressed
6	Bis(2-chloroethyl)ether CAS # 111-44-4.SEC (Lot FA010143) Purity 99%	1,002.6 µg/mL	+/- 5.8427 µg/mL +/- 11.9917 µg/mL +/- 19.0783 µg/mL	Gravimetric Unstressed Stressed
7	n-Decane (C10) CAS # 124-18-5.SEC (Lot UCVNN) Purity 99%	1,005.2 µg/mL	+/- 5.8578 µg/mL +/- 12.0228 µg/mL +/- 19.1278 µg/mL	Gravimetric Unstressed Stressed

8	2-Chlorophenol		1,003.0	µg/mL	+/-	5.8450	µg/mL	Gravimetric
	CAS # 95-57-8.SEC	(Lot GJ01)			+/-	11.9965	µg/mL	Unstressed
	Purity 99%				+/-	19.0859	µg/mL	Stressed
9	1,3-Dichlorobenzene		1,003.2	µg/mL	+/-	5.8462	µg/mL	Gravimetric
	CAS # 541-73-1.SEC	(Lot FMDFD)			+/-	11.9989	µg/mL	Unstressed
	Purity 99%				+/-	19.0897	µg/mL	Stressed
10	1,4-Dichlorobenzene		1,002.4	µg/mL	+/-	5.8415	µg/mL	Gravimetric
	CAS # 106-46-7.SEC	(Lot 4Y5DC)			+/-	11.9893	µg/mL	Unstressed
	Purity 99%				+/-	19.0745	µg/mL	Stressed
11	Benzyl alcohol		1,001.0	µg/mL	+/-	5.8333	µg/mL	Gravimetric
	CAS # 100-51-6.SEC	(Lot QZBUO)			+/-	11.9726	µg/mL	Unstressed
	Purity 99%				+/-	19.0478	µg/mL	Stressed
12	1,2-Dichlorobenzene		1,005.8	µg/mL	+/-	5.8613	µg/mL	Gravimetric
	CAS # 95-50-1.SEC	(Lot R6QDM)			+/-	12.0300	µg/mL	Unstressed
	Purity 99%				+/-	19.1392	µg/mL	Stressed
13	2-Methylphenol (o-cresol)		1,004.4	µg/mL	+/-	5.8532	µg/mL	Gravimetric
	CAS # 95-48-7.SEC	(Lot NC7HL)			+/-	12.0132	µg/mL	Unstressed
	Purity 99%				+/-	19.1125	µg/mL	Stressed
14	2,2'-oxybis(1-chloropropane)		1,003.6	µg/mL	+/-	5.8485	µg/mL	Gravimetric
	CAS # 108-60-1.SEC	(Lot 2-KMW-57-8)			+/-	12.0037	µg/mL	Unstressed
	Purity 99%				+/-	19.0973	µg/mL	Stressed
15	Acetophenone		1,002.0	µg/mL	+/-	5.8392	µg/mL	Gravimetric
	CAS # 98-86-2.SEC	(Lot NSGTI)			+/-	11.9845	µg/mL	Unstressed
	Purity 99%				+/-	19.0669	µg/mL	Stressed
16	3-Methylphenol (m-cresol)		500.8	µg/mL	+/-	2.9184	µg/mL	Gravimetric
	CAS # 108-39-4.SEC	(Lot 6LHTM)			+/-	5.9899	µg/mL	Unstressed
	Purity 99%				+/-	9.5296	µg/mL	Stressed
17	4-Methylphenol (p-cresol)		502.4	µg/mL	+/-	2.9277	µg/mL	Gravimetric
	CAS # 106-44-5.SEC	(Lot 65S2E)			+/-	6.0090	µg/mL	Unstressed
	Purity 99%				+/-	9.5601	µg/mL	Stressed
18	N-Nitroso-di-n-propylamine		1,002.4	µg/mL	+/-	5.8415	µg/mL	Gravimetric
	CAS # 621-64-7.SEC	(Lot 9566100)			+/-	11.9893	µg/mL	Unstressed
	Purity 99%				+/-	19.0745	µg/mL	Stressed
19	Hexachloroethane		1,003.6	µg/mL	+/-	5.8485	µg/mL	Gravimetric
	CAS # 67-72-1.SEC	(Lot 10173016)			+/-	12.0037	µg/mL	Unstressed
	Purity 99%				+/-	19.0973	µg/mL	Stressed
20	Nitrobenzene		1,004.6	µg/mL	+/-	5.8543	µg/mL	Gravimetric
	CAS # 98-95-3.SEC	(Lot FLYIG)			+/-	12.0156	µg/mL	Unstressed
	Purity 99%				+/-	19.1164	µg/mL	Stressed
21	Isophorone		1,001.8	µg/mL	+/-	5.8380	µg/mL	Gravimetric
	CAS # 78-59-1.SEC	(Lot XHGJI)			+/-	11.9821	µg/mL	Unstressed
	Purity 99%				+/-	19.0631	µg/mL	Stressed
22	2-Nitrophenol		1,000.4	µg/mL	+/-	5.8299	µg/mL	Gravimetric
	CAS # 88-75-5.SEC	(Lot GXJ7J)			+/-	11.9654	µg/mL	Unstressed
	Purity 99%				+/-	19.0364	µg/mL	Stressed
23	2,4-Dimethylphenol		1,005.0	µg/mL	+/-	5.8567	µg/mL	Gravimetric
	CAS # 105-67-9.SEC	(Lot MKBL3650V)			+/-	12.0204	µg/mL	Unstressed
	Purity 99%				+/-	19.1240	µg/mL	Stressed

24	Bis(2-chloroethoxy)methane **CAS #** 111-91-1 * **Purity** 99%	(Lot 8238500)	1,002.8	µg/mL	+/- 5.8438 +/- 11.9941 +/- 19.0821	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
25	2,4-Dichlorophenol **CAS #** 120-83-2.SEC **Purity** 99%	(Lot FHM01)	1,003.6	µg/mL	+/- 5.8485 +/- 12.0037 +/- 19.0973	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
26	1,2,4-Trichlorobenzene **CAS #** 120-82-1.SEC **Purity** 99%	(Lot 3LYYC)	1,001.8	µg/mL	+/- 5.8380 +/- 11.9821 +/- 19.0631	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
27	Naphthalene **CAS #** 91-20-3.SEC **Purity** 99%	(Lot SKZ5N)	1,004.0	µg/mL	+/- 5.8508 +/- 12.0084 +/- 19.1049	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
28	2,6-Dichlorophenol **CAS #** 87-65-0.SEC **Purity** 99%	(Lot SIDBB)	1,000.4	µg/mL	+/- 5.8299 +/- 11.9654 +/- 19.0364	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
29	4-Chloroaniline **CAS #** 106-47-8.SEC **Purity** 99%	(Lot 10171860)	1,005.2	µg/mL	+/- 5.8578 +/- 12.0228 +/- 19.1278	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
30	Hexachlorobutadiene **CAS #** 87-68-3.SEC **Purity** 97%	(Lot 8290900)	1,003.8	µg/mL	+/- 5.8494 +/- 12.0055 +/- 19.1003	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
31	4-Chloro-3-methylphenol **CAS #** 59-50-7.SEC **Purity** 99%	(Lot FDO02)	1,000.6	µg/mL	+/- 5.8310 +/- 11.9678 +/- 19.0402	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
32	2-Methylnaphthalene **CAS #** 91-57-6.SEC **Purity** 99%	(Lot 76023-1)	1,004.4	µg/mL	+/- 5.8532 +/- 12.0132 +/- 19.1125	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
33	1-Methylnaphthalene **CAS #** 90-12-0.SEC **Purity** 99%	(Lot OEE3F)	1,004.4	µg/mL	+/- 5.8532 +/- 12.0132 +/- 19.1125	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
34	1,2,4,5-Tetrachlorobenzene **CAS #** 95-94-3.SEC **Purity** 99%	(Lot AF02)	1,004.4	µg/mL	+/- 5.8532 +/- 12.0132 +/- 19.1125	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
35	Hexachlorocyclopentadiene **CAS #** 77-47-4.SEC **Purity** 99%	(Lot 9707900)	1,001.6	µg/mL	+/- 5.8368 +/- 11.9797 +/- 19.0593	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
36	2,4,6-Trichlorophenol **CAS #** 88-06-2.SEC **Purity** 98%	(Lot UUMYM)	1,009.0	µg/mL	+/- 5.8800 +/- 12.0683 +/- 19.2002	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
37	2,4,5-Trichlorophenol **CAS #** 95-95-4.SEC **Purity** 99%	(Lot MKBQ9937V)	1,004.4	µg/mL	+/- 5.8532 +/- 12.0132 +/- 19.1125	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
38	2-Chloronaphthalene **CAS #** 91-58-7.SEC **Purity** 99%	(Lot 6984000)	1,001.0	µg/mL	+/- 5.8333 +/- 11.9726 +/- 19.0478	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
39	Biphenyl **CAS #** 92-52-4.SEC **Purity** 99%	(Lot 33OQE)	1,000.4	µg/mL	+/- 5.8299 +/- 11.9654 +/- 19.0364	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

40	2-Nitroaniline		1,000.2	µg/mL	+/- 5.8287	µg/mL	Gravimetric
	CAS # 88-74-4.SEC	(Lot T6E7B)			+/- 11.9630	µg/mL	Unstressed
	Purity 99%				+/- 19.0326	µg/mL	Stressed
41	Acenaphthylene		1,000.7	µg/mL	+/- 5.8316	µg/mL	Gravimetric
	CAS # 208-96-8.SEC	(Lot 0012014)			+/- 11.9690	µg/mL	Unstressed
	Purity 96%				+/- 19.0422	µg/mL	Stressed
42	1,3-Dinitrobenzene		1,001.0	µg/mL	+/- 5.8333	µg/mL	Gravimetric
	CAS # 99-65-0.SEC	(Lot 3XXLB)			+/- 11.9726	µg/mL	Unstressed
	Purity 99%				+/- 19.0478	µg/mL	Stressed
43	Dimethylphthalate		1,000.0	µg/mL	+/- 5.8275	µg/mL	Gravimetric
	CAS # 131-11-3.SEC	(Lot 483WC)			+/- 11.9606	µg/mL	Unstressed
	Purity 99%				+/- 19.0288	µg/mL	Stressed
44	2,6-Dinitrotoluene		1,002.8	µg/mL	+/- 5.8438	µg/mL	Gravimetric
	CAS # 606-20-2.SEC	(Lot GE01)			+/- 11.9941	µg/mL	Unstressed
	Purity 99%				+/- 19.0821	µg/mL	Stressed
45	3-Nitroaniline		1,003.0	µg/mL	+/- 5.8450	µg/mL	Gravimetric
	CAS # 99-09-2.SEC	(Lot FGN03)			+/- 11.9965	µg/mL	Unstressed
	Purity 99%				+/- 19.0859	µg/mL	Stressed
46	Acenaphthene		1,002.2	µg/mL	+/- 5.8403	µg/mL	Gravimetric
	CAS # 83-32-9.SEC	(Lot BWZJE)			+/- 11.9869	µg/mL	Unstressed
	Purity 99%				+/- 19.0707	µg/mL	Stressed
47	2,4-Dinitrophenol		2,002.0	µg/mL	+/- 11.6398	µg/mL	Gravimetric
	CAS # 51-28-5.SEC	(Lot 2TXXH)			+/- 23.9320	µg/mL	Unstressed
	Purity 99%				+/- 38.0875	µg/mL	Stressed
48	Dibenzofuran		999.8	µg/mL	+/- 5.8264	µg/mL	Gravimetric
	CAS # 132-64-9.SEC	(Lot 27ZGC)			+/- 11.9582	µg/mL	Unstressed
	Purity 99%				+/- 19.0250	µg/mL	Stressed
49	4-Nitrophenol		2,009.4	µg/mL	+/- 11.6828	µg/mL	Gravimetric
	CAS # 100-02-7.SEC	(Lot 2J5LB)			+/- 24.0205	µg/mL	Unstressed
	Purity 99%				+/- 38.2283	µg/mL	Stressed
50	2,4-Dinitrotoluene		1,001.6	µg/mL	+/- 5.8368	µg/mL	Gravimetric
	CAS # 121-14-2.SEC	(Lot SHRSA)			+/- 11.9797	µg/mL	Unstressed
	Purity 99%				+/- 19.0593	µg/mL	Stressed
51	2,3,4,6-Tetrachlorophenol		1,006.8	µg/mL	+/- 5.8671	µg/mL	Gravimetric
	CAS # 58-90-2.SEC	(Lot LRAC4175)			+/- 12.0419	µg/mL	Unstressed
	Purity 99%				+/- 19.1582	µg/mL	Stressed
52	Fluorene		1,002.2	µg/mL	+/- 5.8403	µg/mL	Gravimetric
	CAS # 86-73-7.SEC	(Lot 8292200)			+/- 11.9869	µg/mL	Unstressed
	Purity 99%				+/- 19.0707	µg/mL	Stressed
53	n-Hexadecane (C16)		1,006.6	µg/mL	+/- 5.8660	µg/mL	Gravimetric
	CAS # 544-76-3.SEC	(Lot A0328141)			+/- 12.0395	µg/mL	Unstressed
	Purity 99%				+/- 19.1544	µg/mL	Stressed
54	Diethylphthalate		1,001.0	µg/mL	+/- 5.8333	µg/mL	Gravimetric
	CAS # 84-66-2.SEC	(Lot UMBJC)			+/- 11.9726	µg/mL	Unstressed
	Purity 99%				+/- 19.0478	µg/mL	Stressed
55	4-Chlorophenyl phenyl ether		1,004.9	µg/mL	+/- 5.8560	µg/mL	Gravimetric
	CAS # 7005-72-3.SEC	(Lot P31G)			+/- 12.0191	µg/mL	Unstressed
	Purity 98%				+/- 19.1219	µg/mL	Stressed

56	4-Nitroaniline		1,000.2	µg/mL	+/- 5.8287	µg/mL	Gravimetric
	CAS # 100-01-6.SEC	(Lot 5ITRC)			+/- 11.9630	µg/mL	Unstressed
	Purity 99%				+/- 19.0326	µg/mL	Stressed
57	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)		2,000.8	µg/mL	+/- 11.6328	µg/mL	Gravimetric
	CAS # 534-52-1.SEC	(Lot 8644800)			+/- 23.9177	µg/mL	Unstressed
	Purity 99%				+/- 38.0646	µg/mL	Stressed
58	Diphenylamine		849.8	µg/mL	+/- 4.9522	µg/mL	Gravimetric
	CAS # 122-39-4.SEC	(Lot 10164691)			+/- 10.1641	µg/mL	Unstressed
	Purity 99%				+/- 16.1707	µg/mL	Stressed
59	Azobenzene		1,003.6	µg/mL	+/- 5.8485	µg/mL	Gravimetric
	CAS # 103-33-3.SEC	(Lot JUWAG)			+/- 12.0037	µg/mL	Unstressed
	Purity 99%				+/- 19.0973	µg/mL	Stressed
60	4-Bromophenyl phenyl ether		1,005.2	µg/mL	+/- 5.8578	µg/mL	Gravimetric
	CAS # 101-55-3.SEC	(Lot 84C6D)			+/- 12.0228	µg/mL	Unstressed
	Purity 99%				+/- 19.1278	µg/mL	Stressed
61	Hexachlorobenzene		1,007.4	µg/mL	+/- 5.8706	µg/mL	Gravimetric
	CAS # 118-74-1.SEC	(Lot G137934)			+/- 12.0491	µg/mL	Unstressed
	Purity 99%				+/- 19.1696	µg/mL	Stressed
62	Pentachlorophenol		2,007.2	µg/mL	+/- 11.6700	µg/mL	Gravimetric
	CAS # 87-86-5.SEC	(Lot 5784900)			+/- 23.9942	µg/mL	Unstressed
	Purity 99%				+/- 38.1864	µg/mL	Stressed
63	n-Octadecane (C18)		1,005.6	µg/mL	+/- 5.8602	µg/mL	Gravimetric
	CAS # 593-45-3.SEC	(Lot G14U045)			+/- 12.0276	µg/mL	Unstressed
	Purity 99%				+/- 19.1354	µg/mL	Stressed
64	Phenanthrene		1,002.3	µg/mL	+/- 5.8412	µg/mL	Gravimetric
	CAS # 85-01-8.SEC	(Lot 8637000)			+/- 11.9886	µg/mL	Unstressed
	Purity 98%				+/- 19.0734	µg/mL	Stressed
65	Anthracene		1,000.4	µg/mL	+/- 5.8299	µg/mL	Gravimetric
	CAS # 120-12-7.SEC	(Lot WDFNJ)			+/- 11.9654	µg/mL	Unstressed
	Purity 99%				+/- 19.0364	µg/mL	Stressed
66	Carbazole		1,005.6	µg/mL	+/- 5.8602	µg/mL	Gravimetric
	CAS # 86-74-8.SEC	(Lot LMIZB)			+/- 12.0276	µg/mL	Unstressed
	Purity 99%				+/- 19.1354	µg/mL	Stressed
67	Di-n-butylphthalate		1,004.4	µg/mL	+/- 5.8532	µg/mL	Gravimetric
	CAS # 84-74-2.SEC	(Lot 42FSG)			+/- 12.0132	µg/mL	Unstressed
	Purity 99%				+/- 19.1125	µg/mL	Stressed
68	Fluoranthene		1,007.2	µg/mL	+/- 5.8695	µg/mL	Gravimetric
	CAS # 206-44-0.SEC	(Lot FREGF)			+/- 12.0467	µg/mL	Unstressed
	Purity 99%				+/- 19.1658	µg/mL	Stressed
69	Pyrene		1,005.6	µg/mL	+/- 5.8602	µg/mL	Gravimetric
	CAS # 129-00-0.SEC	(Lot ROVJC)			+/- 12.0276	µg/mL	Unstressed
	Purity 99%				+/- 19.1354	µg/mL	Stressed
70	Benzyl butyl phthalate		1,004.5	µg/mL	+/- 5.8537	µg/mL	Gravimetric
	CAS # 85-68-7.SEC	(Lot GX3GL)			+/- 12.0144	µg/mL	Unstressed
	Purity 98%				+/- 19.1144	µg/mL	Stressed
71	Benz(a)anthracene		1,006.2	µg/mL	+/- 5.8637	µg/mL	Gravimetric
	CAS # 56-55-3.SEC	(Lot MTENF)			+/- 12.0348	µg/mL	Unstressed
	Purity 99%				+/- 19.1468	µg/mL	Stressed

72	chrysene		1,001.2	µg/mL	+/-	5.8345	µg/mL	Gravimetric
	CAS # 218-01-9.SEC	(Lot NICZC)			+/-	11.9750	µg/mL	Unstressed
	Purity 99%				+/-	19.0517	µg/mL	Stressed
73	Bis(2-ethylhexyl)phthalate		1,006.6	µg/mL	+/-	5.8660	µg/mL	Gravimetric
	CAS # 117-81-7.SEC	(Lot MT8AG)			+/-	12.0395	µg/mL	Unstressed
	Purity 99%				+/-	19.1544	µg/mL	Stressed
74	Di-n-octyl phthalate		1,000.8	µg/mL	+/-	5.8322	µg/mL	Gravimetric
	CAS # 117-84-0.SEC	(Lot O8DLD)			+/-	11.9702	µg/mL	Unstressed
	Purity 99%				+/-	19.0440	µg/mL	Stressed
75	Benzo(b)fluoranthene		1,000.4	µg/mL	+/-	5.8299	µg/mL	Gravimetric
	CAS # 205-99-2.SEC	(Lot FLUSD)			+/-	11.9654	µg/mL	Unstressed
	Purity 99%				+/-	19.0364	µg/mL	Stressed
76	Benzo(k)fluoranthene		1,005.4	µg/mL	+/-	5.8590	µg/mL	Gravimetric
	CAS # 207-08-9.SEC	(Lot 6899200)			+/-	12.0252	µg/mL	Unstressed
	Purity 99%				+/-	19.1316	µg/mL	Stressed
77	Benzo(a)pyrene		1,006.3	µg/mL	+/-	5.8641	µg/mL	Gravimetric
	CAS # 50-32-8.SEC	(Lot M8DFD)			+/-	12.0357	µg/mL	Unstressed
	Purity 97%				+/-	19.1483	µg/mL	Stressed
78	Indeno(1,2,3-cd)pyrene		1,008.0	µg/mL	+/-	5.8741	µg/mL	Gravimetric
	CAS # 193-39-5.SEC	(Lot 02201571)			+/-	12.0563	µg/mL	Unstressed
	Purity 99%				+/-	19.1811	µg/mL	Stressed
79	Dibenz(a,h)anthracene		1,002.0	µg/mL	+/-	5.8392	µg/mL	Gravimetric
	CAS # 53-70-3.SEC	(Lot 0012012)			+/-	11.9845	µg/mL	Unstressed
	Purity 99%				+/-	19.0669	µg/mL	Stressed
80	Benzo(g,h,i)perylene		1,003.8	µg/mL	+/-	5.8495	µg/mL	Gravimetric
	CAS # 191-24-2.SEC	(Lot 0022012)			+/-	12.0058	µg/mL	Unstressed
	Purity 96%				+/-	19.1007	µg/mL	Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

*** Restek is unable to identify a reliable and/or acceptable second source for this material - the same batch of neat material may have been used to produce both the primary and secondary standard. The primary and secondary standards were prepared using different equipment and personnel.**

Specific Reference Material Notes:

N-nitrosodiphenylamine 1000 ug/mL equivalent when used for GC analysis. Actual formulation is diphenylamine 855 ug/mL.
N-Nitrosodiphenylamine is prone to breakdown in the injection port and will be converted to diphenylamine.
N-Nitrosodiphenylamine is also a reactive species that can initiate premature decomposition of other compounds in the mix. For these reasons diphenylamine is used in the preparation of this mixture. When comparing the response of this compound to mixtures manufactured using N-nitrosodiphenylamine, a difference in response will be observed.

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

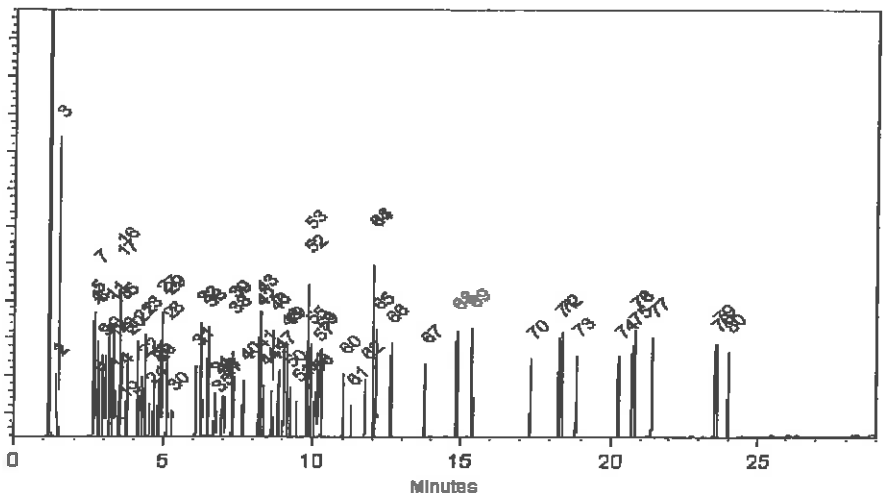
Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Brandon Reish - Mix Technician

Date Mixed: 31-Mar-2020 **Balance:** B345965662

Jennifer Pollino - Operations Tech-ARM QC

Date Passed: 09-Apr-2020

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

8270L1S9-S_00009

RESTEK®
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569730.SEC **Lot No.:** A0159239

Description : 8270 List 1 / Std #9

8270 List 1 / Std #9 2000 µg/mL, Methylene chloride, 5mL/ampul

2799150
ID: 8270L1S9-S_00009
Exp 09/30/21 Prpd JKM Opn
8270 List 1 / Std#9 (Secc

Container Size : 10 mL **Pkg Amt:** > 5 mL

Expiration Date : September 30, 2021 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Benzidine	2,013.5 µg/mL	+/- 11.8163	µg/mL	Gravimetric
	CAS # 92-87-5.SEC (Lot 8616600)		+/- 24.1230	µg/mL	Unstressed
	Purity 99%		+/- 38.3399	µg/mL	Stressed
2	3,3'-Dichlorobenzidine	2,000.0 µg/mL	+/- 11.7371	µg/mL	Gravimetric
	CAS # 91-94-1.SEC (Lot 8490800)		+/- 23.9613	µg/mL	Unstressed
	Purity 99%		+/- 38.0829	µg/mL	Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

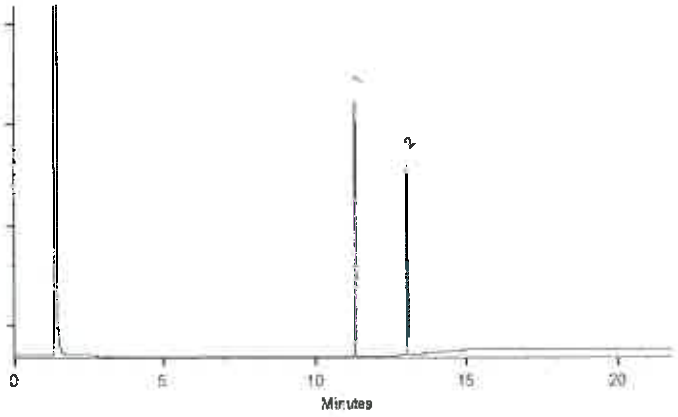
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Brandon Relsh - Mix Technician

Date Mixed: 26-Mar-2020 **Balance:** 1122030677

Justine Albertson - Operations Tech-ARM QC

Date Passed: 30-Mar-2020

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

8270Mega_1stk_00016

RESTEK®
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 571995 **Lot No.:** A0164427

Description : 8270 List 1 / Std #1 MegaMix (2017)

8270 List 1 / Std #1 MegaMix (2017) 500-2000 µg/mL, Methylene chloride, 5mL/ampul

Container Size : 10 mL **Pkg Amt:** > 5 mL

Expiration Date : March 31, 2022 **Storage:** 0°C or colder

Handling: Carcinogen/reproductive toxin. Photosensitive. Sonicate. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)		Expanded Uncertainty (95% C.L., K=2)		
1	1,4-Dioxane **CAS #** 123-91-1 **Purity** 99%	(Lot SHBL6661)	1,003.9	µg/mL	+/- 5.8368 +/- 12.0007 +/- 19.0989	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
2	N-Nitrosodimethylamine **CAS #** 62-75-9 **Purity** 99%	(Lot 200326JLM)	1,006.2	µg/mL	+/- 5.8501 +/- 12.0282 +/- 19.1427	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
3	Pyridine **CAS #** 110-86-1 **Purity** 99%	(Lot SHBK6453)	2,012.6	µg/mL	+/- 11.7014 +/- 24.0587 +/- 38.2891	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
4	Phenol **CAS #** 108-95-2 **Purity** 99%	(Lot MKCK1120)	1,008.2	µg/mL	+/- 5.8618 +/- 12.0521 +/- 19.1807	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
5	Aniline **CAS #** 62-53-3 **Purity** 99%	(Lot SHBF4593V)	1,004.3	µg/mL	+/- 5.8391 +/- 12.0055 +/- 19.1065	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
6	Bis(2-chloroethyl)ether **CAS #** 111-44-4 **Purity** 99%	(Lot SHBJ2059)	1,004.7	µg/mL	+/- 5.8414 +/- 12.0102 +/- 19.1141	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
7	n-Decane (C10) **CAS #** 124-18-5 **Purity** 99%	(Lot SHBL4313)	1,007.1	µg/mL	+/- 5.8554 +/- 12.0389 +/- 19.1598	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

8	2-Chlorophenol **CAS #** 95-57-8 **Purity** 99%	(Lot STBH7290)	1,003.2	µg/mL	+/- 5.8327 +/- 11.9923 +/- 19.0856	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
9	1,3-Dichlorobenzene **CAS #** 541-73-1 **Purity** 99%	(Lot BCBQ7100V)	1,002.9	µg/mL	+/- 5.8309 +/- 11.9887 +/- 19.0799	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
10	1,4-Dichlorobenzene **CAS #** 106-46-7 **Purity** 99%	(Lot MKBS4401V)	1,005.8	µg/mL	+/- 5.8478 +/- 12.0234 +/- 19.1351	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
11	Benzyl alcohol **CAS #** 100-51-6 **Purity** 99%	(Lot SHBK5943)	1,003.3	µg/mL	+/- 5.8333 +/- 11.9935 +/- 19.0875	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
12	1,2-Dichlorobenzene **CAS #** 95-50-1 **Purity** 99%	(Lot SHBK7741)	1,007.3	µg/mL	+/- 5.8565 +/- 12.0413 +/- 19.1636	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
13	2-Methylphenol (o-cresol) **CAS #** 95-48-7 **Purity** 99%	(Lot SHBH6379)	1,005.5	µg/mL	+/- 5.8461 +/- 12.0198 +/- 19.1293	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
14	2,2'-oxybis(1-chloropropane) **CAS #** 108-60-1 **Purity** 98%	(Lot 9788700)	1,006.6	µg/mL	+/- 5.8522 +/- 12.0325 +/- 19.1495	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
15	Acetophenone **CAS #** 98-86-2 **Purity** 99%	(Lot STBH8205)	1,002.3	µg/mL	+/- 5.8275 +/- 11.9816 +/- 19.0685	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
16	3-Methylphenol (m-cresol) **CAS #** 108-39-4 **Purity** 99%	(Lot SHBD0627V)	501.7	µg/mL	+/- 2.9237 +/- 6.0006 +/- 9.5468	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
17	4-Methylphenol (p-cresol) **CAS #** 106-44-5 **Purity** 99%	(Lot 49396AP)	502.1	µg/mL	+/- 2.9260 +/- 6.0054 +/- 9.5544	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
18	N-Nitroso-di-n-propylamine **CAS #** 621-64-7 **Purity** 99%	(Lot 2D5VJ)	1,007.4	µg/mL	+/- 5.8571 +/- 12.0425 +/- 19.1655	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
19	Hexachloroethane **CAS #** 67-72-1 **Purity** 99%	(Lot ENSIK)	1,007.9	µg/mL	+/- 5.8600 +/- 12.0485 +/- 19.1750	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
20	Nitrobenzene **CAS #** 98-95-3 **Purity** 99%	(Lot SHBJ3622)	1,004.8	µg/mL	+/- 5.8420 +/- 12.0114 +/- 19.1160	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
21	Isophorone **CAS #** 78-59-1 **Purity** 99%	(Lot MKCC9506)	1,004.3	µg/mL	+/- 5.8391 +/- 12.0055 +/- 19.1065	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
22	2-Nitrophenol **CAS #** 88-75-5 **Purity** 99%	(Lot BCCB2407)	1,007.6	µg/mL	+/- 5.8583 +/- 12.0449 +/- 19.1693	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
23	2,4-Dimethylphenol **CAS #** 105-67-9 **Purity** 99%	(Lot 10165155)	1,006.0	µg/mL	+/- 5.8490 +/- 12.0258 +/- 19.1389	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

24	Bis(2-chloroethoxy)methane **CAS #** 111-91-1 **Purity** 99%	(Lot 9890600)	1,005.6 µg/mL	+/- 5.8466 +/- 12.0210 +/- 19.1312	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
25	2,4-Dichlorophenol **CAS #** 120-83-2 **Purity** 99%	(Lot BCBJ8113V)	1,006.3 µg/mL	+/- 5.8507 +/- 12.0294 +/- 19.1446	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
26	1,2,4-Trichlorobenzene **CAS #** 120-82-1 **Purity** 99%	(Lot SHBJ9215)	1,006.9 µg/mL	+/- 5.8542 +/- 12.0365 +/- 19.1560	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
27	Naphthalene **CAS #** 91-20-3 **Purity** 99%	(Lot MKBZ8680V)	1,003.6 µg/mL	+/- 5.8350 +/- 11.9971 +/- 19.0932	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
28	2,6-Dichlorophenol **CAS #** 87-65-0 **Purity** 99%	(Lot MKCK2863)	1,008.2 µg/mL	+/- 5.8618 +/- 12.0521 +/- 19.1807	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
29	4-Chloroaniline **CAS #** 106-47-8 **Purity** 99%	(Lot BCBJ1580V)	1,004.1 µg/mL	+/- 5.8379 +/- 12.0031 +/- 19.1027	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
30	Hexachlorobutadiene **CAS #** 87-68-3 **Purity** 98%	(Lot J31X013)	1,004.4 µg/mL	+/- 5.8397 +/- 12.0067 +/- 19.1085	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
31	4-Chloro-3-methylphenol **CAS #** 59-50-7 **Purity** 99%	(Lot STBC7309V)	1,007.8 µg/mL	+/- 5.8594 +/- 12.0473 +/- 19.1731	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
32	2-Methylnaphthalene **CAS #** 91-57-6 **Purity** 96%	(Lot STBG8884)	999.1 µg/mL	+/- 5.8087 +/- 11.9430 +/- 19.0071	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
33	1-Methylnaphthalene **CAS #** 90-12-0 **Purity** 99%	(Lot 523400-9)	1,007.7 µg/mL	+/- 5.8589 +/- 12.0461 +/- 19.1712	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
34	1,2,4,5-Tetrachlorobenzene **CAS #** 95-94-3 **Purity** 99%	(Lot MKCG5992)	1,003.1 µg/mL	+/- 5.8321 +/- 11.9911 +/- 19.0837	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
35	Hexachlorocyclopentadiene **CAS #** 77-47-4 **Purity** 99%	(Lot 0012019)	1,007.1 µg/mL	+/- 5.8554 +/- 12.0389 +/- 19.1598	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
36	2,4,6-Trichlorophenol **CAS #** 88-06-2 **Purity** 99%	(Lot STBH7520)	1,006.1 µg/mL	+/- 5.8496 +/- 12.0270 +/- 19.1408	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
37	2,4,5-Trichlorophenol **CAS #** 95-95-4 **Purity** 98%	(Lot FHN01)	1,007.8 µg/mL	+/- 5.8596 +/- 12.0477 +/- 19.1737	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
38	2-Chloronaphthalene **CAS #** 91-58-7 **Purity** 99%	(Lot AJ2UI)	1,006.7 µg/mL	+/- 5.8530 +/- 12.0342 +/- 19.1522	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
39	Biphenyl **CAS #** 92-52-4 **Purity** 99%	(Lot MKCD8504)	1,006.6 µg/mL	+/- 5.8525 +/- 12.0330 +/- 19.1503	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

40	2-Nitroaniline **CAS #** 88-74-4 **Purity** 99%	(Lot MKCJ8895)	1,004.5	µg/mL	+/- 5.8402 +/- 12.0079 +/- 19.1103	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
41	Acenaphthylene **CAS #** 208-96-8 **Purity** 97%	(Lot L02U)	1,004.7	µg/mL	+/- 5.8416 +/- 12.0106 +/- 19.1146	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
42	1,3-Dinitrobenzene **CAS #** 99-65-0 **Purity** 99%	(Lot BCBN4329V)	1,003.6	µg/mL	+/- 5.8350 +/- 11.9971 +/- 19.0932	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
43	Dimethylphthalate **CAS #** 131-11-3 **Purity** 99%	(Lot 10117699)	1,008.3	µg/mL	+/- 5.8623 +/- 12.0533 +/- 19.1826	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
44	2,6-Dinitrotoluene **CAS #** 606-20-2 **Purity** 99%	(Lot BCBB8606)	1,003.4	µg/mL	+/- 5.8339 +/- 11.9947 +/- 19.0894	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
45	3-Nitroaniline **CAS #** 99-09-2 **Purity** 99%	(Lot MKCH5457)	1,005.6	µg/mL	+/- 5.8466 +/- 12.0210 +/- 19.1312	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
46	Acenaphthene **CAS #** 83-32-9 **Purity** 99%	(Lot MKCK2310)	1,002.2	µg/mL	+/- 5.8269 +/- 11.9804 +/- 19.0666	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
47	2,4-Dinitrophenol **CAS #** 51-28-5 **Purity** 99%	(Lot STBH7564)	2,006.6	µg/mL	+/- 11.6665 +/- 23.9870 +/- 38.1750	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
48	Dibenzofuran **CAS #** 132-64-9 **Purity** 99%	(Lot MKCD9952)	1,007.5	µg/mL	+/- 5.8577 +/- 12.0437 +/- 19.1674	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
49	4-Nitrophenol **CAS #** 100-02-7 **Purity** 99%	(Lot MKCF6111)	2,013.8	µg/mL	+/- 11.7084 +/- 24.0731 +/- 38.3120	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
50	2,4-Dinitrotoluene **CAS #** 121-14-2 **Purity** 99%	(Lot MKAA0690V)	1,007.8	µg/mL	+/- 5.8594 +/- 12.0473 +/- 19.1731	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
51	2,3,4,6-Tetrachlorophenol **CAS #** 58-90-2 **Purity** 99%	(Lot PR-30126)	1,007.4	µg/mL	+/- 5.8571 +/- 12.0425 +/- 19.1655	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
52	Fluorene **CAS #** 86-73-7 **Purity** 99%	(Lot 10217947)	1,003.7	µg/mL	+/- 5.8356 +/- 11.9983 +/- 19.0951	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
53	n-Hexadecane (C16) **CAS #** 544-76-3 **Purity** 99%	(Lot SHBJ7508)	1,003.5	µg/mL	+/- 5.8344 +/- 11.9959 +/- 19.0913	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
54	Diethylphthalate **CAS #** 84-66-2 **Purity** 99%	(Lot MKCD2547)	1,004.1	µg/mL	+/- 5.8379 +/- 12.0031 +/- 19.1027	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
55	4-Chlorophenyl phenyl ether **CAS #** 7005-72-3 **Purity** 99%	(Lot MKCJ6392)	1,006.9	µg/mL	+/- 5.8542 +/- 12.0365 +/- 19.1560	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

56	4-Nitroaniline		1,004.3	µg/mL	+/-	5.8391	µg/mL	Gravimetric
	CAS # 100-01-6	(Lot BCCC2312)			+/-	12.0055	µg/mL	Unstressed
	Purity 99%				+/-	19.1065	µg/mL	Stressed
57	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)		2,015.2	µg/mL	+/-	11.7165	µg/mL	Gravimetric
	CAS # 534-52-1	(Lot P012019-414)			+/-	24.0898	µg/mL	Unstressed
	Purity 99%				+/-	38.3386	µg/mL	Stressed
58	Diphenylamine		852.2	µg/mL	+/-	4.9662	µg/mL	Gravimetric
	CAS # 122-39-4	(Lot MKBN8295V)			+/-	10.1928	µg/mL	Unstressed
	Purity 99%				+/-	16.2164	µg/mL	Stressed
59	Azobenzene		1,007.4	µg/mL	+/-	5.8571	µg/mL	Gravimetric
	CAS # 103-33-3	(Lot BCCB8438)			+/-	12.0425	µg/mL	Unstressed
	Purity 99%				+/-	19.1655	µg/mL	Stressed
60	4-Bromophenyl phenyl ether		1,006.6	µg/mL	+/-	5.8525	µg/mL	Gravimetric
	CAS # 101-55-3	(Lot STBB9729V)			+/-	12.0330	µg/mL	Unstressed
	Purity 99%				+/-	19.1503	µg/mL	Stressed
61	Hexachlorobenzene		1,007.2	µg/mL	+/-	5.8559	µg/mL	Gravimetric
	CAS # 118-74-1	(Lot CCS-0410)			+/-	12.0401	µg/mL	Unstressed
	Purity 99%				+/-	19.1617	µg/mL	Stressed
62	Pentachlorophenol		2,010.7	µg/mL	+/-	11.6904	µg/mL	Gravimetric
	CAS # 87-86-5	(Lot 200820KJ)			+/-	24.0360	µg/mL	Unstressed
	Purity 99%				+/-	38.2530	µg/mL	Stressed
63	n-Octadecane (C18)		1,005.0	µg/mL	+/-	5.8432	µg/mL	Gravimetric
	CAS # 593-45-3	(Lot RI6FI)			+/-	12.0138	µg/mL	Unstressed
	Purity 99%				+/-	19.1198	µg/mL	Stressed
64	Phenanthrene		1,004.0	µg/mL	+/-	5.8373	µg/mL	Gravimetric
	CAS # 85-01-8	(Lot MKCG6676)			+/-	12.0019	µg/mL	Unstressed
	Purity 99%				+/-	19.1008	µg/mL	Stressed
65	Anthracene		1,004.4	µg/mL	+/-	5.8397	µg/mL	Gravimetric
	CAS # 120-12-7	(Lot MKCM0015)			+/-	12.0067	µg/mL	Unstressed
	Purity 99%				+/-	19.1084	µg/mL	Stressed
66	Carbazole		1,008.9	µg/mL	+/-	5.8658	µg/mL	Gravimetric
	CAS # 86-74-8	(Lot 10455200)			+/-	12.0605	µg/mL	Unstressed
	Purity 99%				+/-	19.1940	µg/mL	Stressed
67	Di-n-butylphthalate		1,003.8	µg/mL	+/-	5.8362	µg/mL	Gravimetric
	CAS # 84-74-2	(Lot MKCJ3790)			+/-	11.9995	µg/mL	Unstressed
	Purity 99%				+/-	19.0970	µg/mL	Stressed
68	Fluoranthene		1,008.1	µg/mL	+/-	5.8613	µg/mL	Gravimetric
	CAS # 206-44-0	(Lot MKBQ6360V)			+/-	12.0512	µg/mL	Unstressed
	Purity 98%				+/-	19.1793	µg/mL	Stressed
69	Pyrene		1,004.1	µg/mL	+/-	5.8379	µg/mL	Gravimetric
	CAS # 129-00-0	(Lot BCCB9880)			+/-	12.0031	µg/mL	Unstressed
	Purity 99%				+/-	19.1027	µg/mL	Stressed
70	Benzyl butyl phthalate		1,007.7	µg/mL	+/-	5.8589	µg/mL	Gravimetric
	CAS # 85-68-7	(Lot MKCF0058)			+/-	12.0461	µg/mL	Unstressed
	Purity 99%				+/-	19.1712	µg/mL	Stressed
71	Benz(a)anthracene		1,008.0	µg/mL	+/-	5.8606	µg/mL	Gravimetric
	CAS # 56-55-3	(Lot RP200715)			+/-	12.0497	µg/mL	Unstressed
	Purity 99%				+/-	19.1769	µg/mL	Stressed

72	Chrysene **CAS #** 218-01-9 **Purity** 99%	(Lot 012015)	1,008.9	µg/mL	+/- 5.8658 +/- 12.0605 +/- 19.1940	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
73	Bis(2-ethylhexyl)phthalate **CAS #** 117-81-7 **Purity** 99%	(Lot MKCJ1159)	1,002.7	µg/mL	+/- 5.8298 +/- 11.9863 +/- 19.0761	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
74	Di-n-octyl phthalate **CAS #** 117-84-0 **Purity** 99%	(Lot 10532100)	1,007.6	µg/mL	+/- 5.8583 +/- 12.0449 +/- 19.1693	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
75	Benzo(b)fluoranthene **CAS #** 205-99-2 **Purity** 99%	(Lot 012020B)	1,006.0	µg/mL	+/- 5.8490 +/- 12.0258 +/- 19.1389	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
76	Benzo(k)fluoranthene **CAS #** 207-08-9 **Purity** 99%	(Lot 012017K)	1,005.2	µg/mL	+/- 5.8443 +/- 12.0162 +/- 19.1236	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
77	Benzo(a)pyrene **CAS #** 50-32-8 **Purity** 99%	(Lot RP200901)	1,005.0	µg/mL	+/- 5.8432 +/- 12.0138 +/- 19.1198	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
78	Indeno(1,2,3-cd)pyrene **CAS #** 193-39-5 **Purity** 99%	(Lot 11-FLI-175-4)	1,004.6	µg/mL	+/- 5.8408 +/- 12.0091 +/- 19.1122	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
79	Dibenz(a,h)anthracene **CAS #** 53-70-3 **Purity** 99%	(Lot ER032211-01)	1,005.7	µg/mL	+/- 5.8472 +/- 12.0222 +/- 19.1332	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
80	Benzo(g,h,i)perylene **CAS #** 191-24-2 **Purity** 99%	(Lot 8GFYJ)	1,003.6	µg/mL	+/- 5.8350 +/- 11.9971 +/- 19.0932	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Specific Reference Material Notes:

N-nitrosodiphenylamine 1000 ug/mL equivalent when used for GC analysis. Actual formulation is diphenylamine 855 ug/mL.
N-Nitrosodiphenylamine is prone to breakdown in the injection port and will be converted to diphenylamine.
N-Nitrosodiphenylamine is also a reactive species that can initiate premature decomposition of other compounds in the mix. For these reasons diphenylamine is used in the preparation of this mixture. When comparing the response of this compound to mixtures manufactured using N-nitrosodiphenylamine, a difference in response will be observed.
This lot was approved even though the %D for 4,6-DN-2-MP was greater than 10%.

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

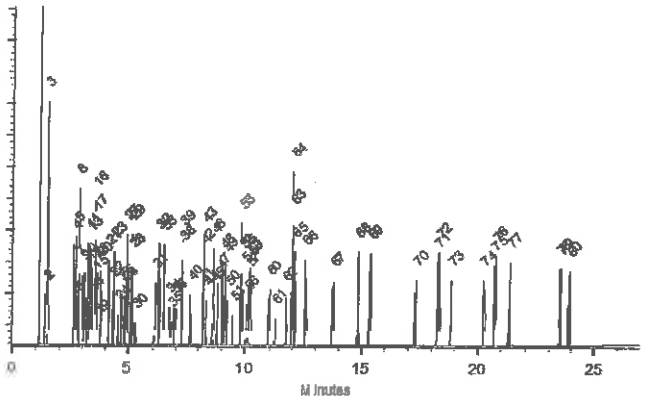
Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 15-Sep-2020 **Balance:** B442140311

Justine Albertson - Operations Tech-ARM QC

Date Passed: 25-Sep-2020

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

Reagent

8270Mega_1stk_00018

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 571995 **Lot No.:** A0175066

Description : 8270 List 1 / Std #1 MegaMix (2017)

8270 List 1 / Std #1 MegaMix (2017) 500-2000 µg/mL, Methylene chloride, 5mL/ampul

Container Size : 10 mL **Pkg Amt:** > 5 mL

Expiration Date : February 28, 2023 **Storage:** 0°C or colder

Handling: Carcinogen/reproductive toxin. Photosensitive. Sonicate. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	1,4-Dioxane **CAS #** 123-91-1 (Lot SHBM9675) **Purity** 99%	1,001.8 µg/mL	+/- 5.8246 µg/mL +/- 11.9756 µg/mL +/- 19.0590 µg/mL	Gravimetric Unstressed Stressed
2	N-Nitrosodimethylamine **CAS #** 62-75-9 (Lot 210512JLM) **Purity** 99%	1,002.3 µg/mL	+/- 5.8277 µg/mL +/- 11.9820 µg/mL +/- 19.0691 µg/mL	Gravimetric Unstressed Stressed
3	Pyridine **CAS #** 110-86-1 (Lot SHBL0433) **Purity** 99%	2,001.8 µg/mL	+/- 11.6386 µg/mL +/- 23.9296 µg/mL +/- 38.0837 µg/mL	Gravimetric Unstressed Stressed
4	Phenol **CAS #** 108-95-2 (Lot MKCK1120) **Purity** 99%	1,001.1 µg/mL	+/- 5.8207 µg/mL +/- 11.9676 µg/mL +/- 19.0463 µg/mL	Gravimetric Unstressed Stressed
5	Aniline **CAS #** 62-53-3 (Lot K22Z462) **Purity** 99%	1,004.1 µg/mL	+/- 5.8377 µg/mL +/- 12.0027 µg/mL +/- 19.1021 µg/mL	Gravimetric Unstressed Stressed
6	Bis(2-chloroethyl)ether **CAS #** 111-44-4 (Lot SHBL6942) **Purity** 99%	1,002.4 µg/mL	+/- 5.8280 µg/mL +/- 11.9828 µg/mL +/- 19.0704 µg/mL	Gravimetric Unstressed Stressed
7	n-Decane (C10) **CAS #** 124-18-5 (Lot SHBJ9898) **Purity** 99%	1,000.3 µg/mL	+/- 5.8160 µg/mL +/- 11.9580 µg/mL +/- 19.0311 µg/mL	Gravimetric Unstressed Stressed

8	2-Chlorophenol **CAS #** 95-57-8 **Purity** 99%	(Lot STBH7290)	1,001.3	µg/mL	+/- 5.8215 +/- 11.9692 +/- 19.0488	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
9	1,3-Dichlorobenzene **CAS #** 541-73-1 **Purity** 99%	(Lot BCBZ7498)	1,002.7	µg/mL	+/- 5.8300 +/- 11.9867 +/- 19.0767	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
10	1,4-Dichlorobenzene **CAS #** 106-46-7 **Purity** 99%	(Lot MKBS4401V)	1,002.0	µg/mL	+/- 5.8257 +/- 11.9780 +/- 19.0628	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
11	Benzyl alcohol **CAS #** 100-51-6 **Purity** 99%	(Lot SHBK5943)	1,001.4	µg/mL	+/- 5.8222 +/- 11.9708 +/- 19.0513	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
12	1,2-Dichlorobenzene **CAS #** 95-50-1 **Purity** 99%	(Lot SHBK7741)	1,001.5	µg/mL	+/- 5.8230 +/- 11.9724 +/- 19.0539	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
13	2-Methylphenol (o-cresol) **CAS #** 95-48-7 **Purity** 99%	(Lot SHBH6379)	1,000.5	µg/mL	+/- 5.8172 +/- 11.9604 +/- 19.0349	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
14	2,2'-oxybis(1-chloropropane) **CAS #** 108-60-1 **Purity** 99%	(Lot 11885400)	1,002.5	µg/mL	+/- 5.8288 +/- 11.9843 +/- 19.0729	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
15	Acetophenone **CAS #** 98-86-2 **Purity** 99%	(Lot STBH8205)	1,001.3	µg/mL	+/- 5.8218 +/- 11.9700 +/- 19.0501	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
16	3-Methylphenol (m-cresol) **CAS #** 108-39-4 **Purity** 99%	(Lot SHBD0627V)	500.1	µg/mL	+/- 2.9145 +/- 5.9819 +/- 9.5169	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
17	4-Methylphenol (p-cresol) **CAS #** 106-44-5 **Purity** 99%	(Lot SHBL4411)	500.2	µg/mL	+/- 2.9149 +/- 5.9827 +/- 9.5182	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
18	N-Nitroso-di-n-propylamine **CAS #** 621-64-7 **Purity** 99%	(Lot 2D5VJ)	1,001.5	µg/mL	+/- 5.8230 +/- 11.9724 +/- 19.0539	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
19	Hexachloroethane **CAS #** 67-72-1 **Purity** 99%	(Lot ENSIK)	1,000.3	µg/mL	+/- 5.8156 +/- 11.9573 +/- 19.0298	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
20	Nitrobenzene **CAS #** 98-95-3 **Purity** 99%	(Lot MKCK4267)	1,002.0	µg/mL	+/- 5.8257 +/- 11.9780 +/- 19.0628	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
21	Isophorone **CAS #** 78-59-1 **Purity** 99%	(Lot MKCC9506)	1,001.3	µg/mL	+/- 5.8215 +/- 11.9692 +/- 19.0488	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
22	2-Nitrophenol **CAS #** 88-75-5 **Purity** 99%	(Lot BCCB2407)	1,003.5	µg/mL	+/- 5.8342 +/- 11.9955 +/- 19.0907	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
23	2,4-Dimethylphenol **CAS #** 105-67-9 **Purity** 99%	(Lot B2L4B)	1,002.1	µg/mL	+/- 5.8261 +/- 11.9788 +/- 19.0640	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

24	Bis(2-chloroethoxy)methane		1,003.0	µg/mL	+/-	5.8315	µg/mL	Gravimetric
	CAS # 111-91-1	(Lot 9890600)			+/-	11.9899	µg/mL	Unstressed
	Purity 99%				+/-	19.0818	µg/mL	Stressed
25	2,4-Dichlorophenol		1,000.9	µg/mL	+/-	5.8195	µg/mL	Gravimetric
	CAS # 120-83-2	(Lot BCBZ6787)			+/-	11.9652	µg/mL	Unstressed
	Purity 99%				+/-	19.0425	µg/mL	Stressed
26	1,2,4-Trichlorobenzene		1,003.4	µg/mL	+/-	5.8339	µg/mL	Gravimetric
	CAS # 120-82-1	(Lot SHBM0526)			+/-	11.9947	µg/mL	Unstressed
	Purity 99%				+/-	19.0894	µg/mL	Stressed
27	Naphthalene		1,003.5	µg/mL	+/-	5.8346	µg/mL	Gravimetric
	CAS # 91-20-3	(Lot MKCH0219)			+/-	11.9963	µg/mL	Unstressed
	Purity 99%				+/-	19.0919	µg/mL	Stressed
28	2,6-Dichlorophenol		1,000.1	µg/mL	+/-	5.8149	µg/mL	Gravimetric
	CAS # 87-65-0	(Lot MKCK2863)			+/-	11.9557	µg/mL	Unstressed
	Purity 99%				+/-	19.0272	µg/mL	Stressed
29	4-Chloroaniline		1,001.8	µg/mL	+/-	5.8246	µg/mL	Gravimetric
	CAS # 106-47-8	(Lot BCBJ1580V)			+/-	11.9756	µg/mL	Unstressed
	Purity 99%				+/-	19.0590	µg/mL	Stressed
30	Hexachlorobutadiene		1,001.6	µg/mL	+/-	5.8234	µg/mL	Gravimetric
	CAS # 87-68-3	(Lot 664800)			+/-	11.9732	µg/mL	Unstressed
	Purity 99%				+/-	19.0551	µg/mL	Stressed
31	4-Chloro-3-methylphenol		1,000.3	µg/mL	+/-	5.8160	µg/mL	Gravimetric
	CAS # 59-50-7	(Lot STBC7309V)			+/-	11.9580	µg/mL	Unstressed
	Purity 99%				+/-	19.0311	µg/mL	Stressed
32	2-Methylnaphthalene		1,001.2	µg/mL	+/-	5.8211	µg/mL	Gravimetric
	CAS # 91-57-6	(Lot STBG8884)			+/-	11.9684	µg/mL	Unstressed
	Purity 99%				+/-	19.0475	µg/mL	Stressed
33	1-Methylnaphthalene		1,001.7	µg/mL	+/-	5.8238	µg/mL	Gravimetric
	CAS # 90-12-0	(Lot 5234.00-3)			+/-	11.9740	µg/mL	Unstressed
	Purity 99%				+/-	19.0564	µg/mL	Stressed
34	1,2,4,5-Tetrachlorobenzene		1,001.1	µg/mL	+/-	5.8203	µg/mL	Gravimetric
	CAS # 95-94-3	(Lot MKCG5992)			+/-	11.9668	µg/mL	Unstressed
	Purity 99%				+/-	19.0450	µg/mL	Stressed
35	Hexachlorocyclopentadiene		1,001.6	µg/mL	+/-	5.8234	µg/mL	Gravimetric
	CAS # 77-47-4	(Lot 0012020)			+/-	11.9732	µg/mL	Unstressed
	Purity 99%				+/-	19.0551	µg/mL	Stressed
36	2,4,6-Trichlorophenol		1,001.8	µg/mL	+/-	5.8246	µg/mL	Gravimetric
	CAS # 88-06-2	(Lot STBJ5914)			+/-	11.9756	µg/mL	Unstressed
	Purity 99%				+/-	19.0590	µg/mL	Stressed
37	2,4,5-Trichlorophenol		1,001.4	µg/mL	+/-	5.8220	µg/mL	Gravimetric
	CAS # 95-95-4	(Lot FHN01)			+/-	11.9704	µg/mL	Unstressed
	Purity 98%				+/-	19.0507	µg/mL	Stressed
38	2-Chloronaphthalene		1,000.4	µg/mL	+/-	5.8164	µg/mL	Gravimetric
	CAS # 91-58-7	(Lot TWYRD)			+/-	11.9588	µg/mL	Unstressed
	Purity 99%				+/-	19.0323	µg/mL	Stressed
39	Biphenyl		1,001.5	µg/mL	+/-	5.8230	µg/mL	Gravimetric
	CAS # 92-52-4	(Lot MKCJ6240)			+/-	11.9724	µg/mL	Unstressed
	Purity 99%				+/-	19.0539	µg/mL	Stressed

40	2-Nitroaniline		1,001.1	µg/mL	+/-	5.8203	µg/mL	Gravimetric
	CAS # 88-74-4	(Lot MKCJ8895)			+/-	11.9668	µg/mL	Unstressed
	Purity 99%				+/-	19.0450	µg/mL	Stressed
41	Acenaphthylene		1,001.0	µg/mL	+/-	5.8197	µg/mL	Gravimetric
	CAS # 208-96-8	(Lot P06V)			+/-	11.9657	µg/mL	Unstressed
	Purity 98%				+/-	19.0432	µg/mL	Stressed
42	1,3-Dinitrobenzene		1,001.9	µg/mL	+/-	5.8249	µg/mL	Gravimetric
	CAS # 99-65-0	(Lot 1-DXX-24-1)			+/-	11.9764	µg/mL	Unstressed
	Purity 99%				+/-	19.0602	µg/mL	Stressed
43	Dimethylphthalate		1,002.8	µg/mL	+/-	5.8304	µg/mL	Gravimetric
	CAS # 131-11-3	(Lot 10117699)			+/-	11.9875	µg/mL	Unstressed
	Purity 99%				+/-	19.0780	µg/mL	Stressed
44	2,6-Dinitrotoluene		1,002.0	µg/mL	+/-	5.8257	µg/mL	Gravimetric
	CAS # 606-20-2	(Lot BCBB8606)			+/-	11.9780	µg/mL	Unstressed
	Purity 99%				+/-	19.0628	µg/mL	Stressed
45	3-Nitroaniline		1,000.1	µg/mL	+/-	5.8149	µg/mL	Gravimetric
	CAS # 99-09-2	(Lot MKCH5457)			+/-	11.9557	µg/mL	Unstressed
	Purity 99%				+/-	19.0272	µg/mL	Stressed
46	Acenaphthene		1,002.5	µg/mL	+/-	5.8288	µg/mL	Gravimetric
	CAS # 83-32-9	(Lot MKCN0610)			+/-	11.9843	µg/mL	Unstressed
	Purity 99%				+/-	19.0729	µg/mL	Stressed
47	2,4-Dinitrophenol		2,001.1	µg/mL	+/-	11.6344	µg/mL	Gravimetric
	CAS # 51-28-5	(Lot STBH7564)			+/-	23.9209	µg/mL	Unstressed
	Purity 99%				+/-	38.0697	µg/mL	Stressed
48	Dibenzofuran		1,000.1	µg/mL	+/-	5.8149	µg/mL	Gravimetric
	CAS # 132-64-9	(Lot MKCN1772)			+/-	11.9557	µg/mL	Unstressed
	Purity 99%				+/-	19.0272	µg/mL	Stressed
49	4-Nitrophenol		2,004.5	µg/mL	+/-	11.6545	µg/mL	Gravimetric
	CAS # 100-02-7	(Lot MKCF6111)			+/-	23.9623	µg/mL	Unstressed
	Purity 99%				+/-	38.1357	µg/mL	Stressed
50	2,4-Dinitrotoluene		1,002.0	µg/mL	+/-	5.8257	µg/mL	Gravimetric
	CAS # 121-14-2	(Lot MKAA0690V)			+/-	11.9780	µg/mL	Unstressed
	Purity 99%				+/-	19.0628	µg/mL	Stressed
51	2,3,4,6-Tetrachlorophenol		1,000.1	µg/mL	+/-	5.8149	µg/mL	Gravimetric
	CAS # 58-90-2	(Lot PR-30126)			+/-	11.9557	µg/mL	Unstressed
	Purity 99%				+/-	19.0272	µg/mL	Stressed
52	Fluorene		1,000.7	µg/mL	+/-	5.8180	µg/mL	Gravimetric
	CAS # 86-73-7	(Lot 094650L18G)			+/-	11.9620	µg/mL	Unstressed
	Purity 99%				+/-	19.0374	µg/mL	Stressed
53	n-Hexadecane (C16)		1,000.9	µg/mL	+/-	5.8191	µg/mL	Gravimetric
	CAS # 544-76-3	(Lot SHBL8588)			+/-	11.9644	µg/mL	Unstressed
	Purity 99%				+/-	19.0412	µg/mL	Stressed
54	Diethylphthalate		1,000.7	µg/mL	+/-	5.8183	µg/mL	Gravimetric
	CAS # 84-66-2	(Lot MKCD2547)			+/-	11.9628	µg/mL	Unstressed
	Purity 99%				+/-	19.0387	µg/mL	Stressed
55	4-Chlorophenyl phenyl ether		1,000.6	µg/mL	+/-	5.8176	µg/mL	Gravimetric
	CAS # 7005-72-3	(Lot MKCN1186)			+/-	11.9612	µg/mL	Unstressed
	Purity 99%				+/-	19.0361	µg/mL	Stressed

56	4-Nitroaniline		1,000.3	µg/mL	+/-	5.8160	µg/mL	Gravimetric
	CAS # 100-01-6	(Lot RP210713)			+/-	11.9580	µg/mL	Unstressed
	Purity 99%				+/-	19.0311	µg/mL	Stressed
57	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)		2,000.9	µg/mL	+/-	11.6336	µg/mL	Gravimetric
	CAS # 534-52-1	(Lot RP210716)			+/-	23.9193	µg/mL	Unstressed
	Purity 99%				+/-	38.0672	µg/mL	Stressed
58	Diphenylamine		852.9	µg/mL	+/-	4.9590	µg/mL	Gravimetric
	CAS # 122-39-4	(Lot MKBN8295V)			+/-	10.1960	µg/mL	Unstressed
	Purity 99%				+/-	16.2268	µg/mL	Stressed
59	Azobenzene		1,000.4	µg/mL	+/-	5.8164	µg/mL	Gravimetric
	CAS # 103-33-3	(Lot BCCC9136)			+/-	11.9588	µg/mL	Unstressed
	Purity 99%				+/-	19.0323	µg/mL	Stressed
60	4-Bromophenyl phenyl ether		1,000.4	µg/mL	+/-	5.8164	µg/mL	Gravimetric
	CAS # 101-55-3	(Lot STBB9729V)			+/-	11.9588	µg/mL	Unstressed
	Purity 99%				+/-	19.0323	µg/mL	Stressed
61	Hexachlorobenzene		1,000.1	µg/mL	+/-	5.8149	µg/mL	Gravimetric
	CAS # 118-74-1	(Lot SL210804)			+/-	11.9557	µg/mL	Unstressed
	Purity 99%				+/-	19.0272	µg/mL	Stressed
62	Pentachlorophenol		2,003.5	µg/mL	+/-	11.6487	µg/mL	Gravimetric
	CAS # 87-86-5	(Lot 210706RSR)			+/-	23.9504	µg/mL	Unstressed
	Purity 99%				+/-	38.1166	µg/mL	Stressed
63	n-Octadecane (C18)		1,000.7	µg/mL	+/-	5.8179	µg/mL	Gravimetric
	CAS # 593-45-3	(Lot VZKOJ)			+/-	11.9619	µg/mL	Unstressed
	Purity 97%				+/-	19.0371	µg/mL	Stressed
64	Phenanthrene		1,003.0	µg/mL	+/-	5.8315	µg/mL	Gravimetric
	CAS # 85-01-8	(Lot MKCL7390)			+/-	11.9899	µg/mL	Unstressed
	Purity 99%				+/-	19.0818	µg/mL	Stressed
65	Anthracene		1,002.5	µg/mL	+/-	5.8284	µg/mL	Gravimetric
	CAS # 120-12-7	(Lot MKCM0015)			+/-	11.9835	µg/mL	Unstressed
	Purity 99%				+/-	19.0716	µg/mL	Stressed
66	Carbazole		1,000.6	µg/mL	+/-	5.8176	µg/mL	Gravimetric
	CAS # 86-74-8	(Lot 10812100)			+/-	11.9612	µg/mL	Unstressed
	Purity 99%				+/-	19.0361	µg/mL	Stressed
67	Di-n-butylphthalate		1,000.4	µg/mL	+/-	5.8164	µg/mL	Gravimetric
	CAS # 84-74-2	(Lot MKCL9573)			+/-	11.9588	µg/mL	Unstressed
	Purity 99%				+/-	19.0323	µg/mL	Stressed
68	Fluoranthene		1,003.8	µg/mL	+/-	5.8362	µg/mL	Gravimetric
	CAS # 206-44-0	(Lot MKCF7378)			+/-	11.9995	µg/mL	Unstressed
	Purity 99%				+/-	19.0970	µg/mL	Stressed
69	Pyrene		1,001.1	µg/mL	+/-	5.8207	µg/mL	Gravimetric
	CAS # 129-00-0	(Lot BCCB9880)			+/-	11.9676	µg/mL	Unstressed
	Purity 99%				+/-	19.0463	µg/mL	Stressed
70	Benzyl butyl phthalate		1,001.2	µg/mL	+/-	5.8211	µg/mL	Gravimetric
	CAS # 85-68-7	(Lot MKCM1987)			+/-	11.9684	µg/mL	Unstressed
	Purity 99%				+/-	19.0475	µg/mL	Stressed
71	Benz(a)anthracene		1,002.4	µg/mL	+/-	5.8282	µg/mL	Gravimetric
	CAS # 56-55-3	(Lot RP210125)			+/-	11.9831	µg/mL	Unstressed
	Purity 96%				+/-	19.0710	µg/mL	Stressed

72	Chrysene		1,000.2	µg/mL	+/-	5.8152	µg/mL	Gravimetric
	CAS # 218-01-9	(Lot STBJ1016)			+/-	11.9565	µg/mL	Unstressed
	Purity 99%				+/-	19.0285	µg/mL	Stressed
73	Bis(2-ethylhexyl)phthalate		1,001.0	µg/mL	+/-	5.8199	µg/mL	Gravimetric
	CAS # 117-81-7	(Lot MKCJ1159)			+/-	11.9660	µg/mL	Unstressed
	Purity 99%				+/-	19.0437	µg/mL	Stressed
74	Di-n-octyl phthalate		1,001.5	µg/mL	+/-	5.8226	µg/mL	Gravimetric
	CAS # 117-84-0	(Lot 11651800)			+/-	11.9716	µg/mL	Unstressed
	Purity 99%				+/-	19.0526	µg/mL	Stressed
75	Benzo(b)fluoranthene		1,001.7	µg/mL	+/-	5.8238	µg/mL	Gravimetric
	CAS # 205-99-2	(Lot 012020B)			+/-	11.9740	µg/mL	Unstressed
	Purity 99%				+/-	19.0564	µg/mL	Stressed
76	Benzo(k)fluoranthene		1,004.0	µg/mL	+/-	5.8373	µg/mL	Gravimetric
	CAS # 207-08-9	(Lot 012019K)			+/-	12.0019	µg/mL	Unstressed
	Purity 99%				+/-	19.1008	µg/mL	Stressed
77	Benzo(a)pyrene		1,000.4	µg/mL	+/-	5.8164	µg/mL	Gravimetric
	CAS # 50-32-8	(Lot Z8BKF)			+/-	11.9588	µg/mL	Unstressed
	Purity 99%				+/-	19.0323	µg/mL	Stressed
78	Indeno(1,2,3-cd)pyrene		1,003.7	µg/mL	+/-	5.8358	µg/mL	Gravimetric
	CAS # 193-39-5	(Lot 1-RAK-33-4)			+/-	11.9987	µg/mL	Unstressed
	Purity 99%				+/-	19.0957	µg/mL	Stressed
79	Dibenz(a,h)anthracene		1,003.3	µg/mL	+/-	5.8335	µg/mL	Gravimetric
	CAS # 53-70-3	(Lot ER032211-01)			+/-	11.9939	µg/mL	Unstressed
	Purity 99%				+/-	19.0881	µg/mL	Stressed
80	Benzo(g,h,i)perylene		1,000.3	µg/mL	+/-	5.8156	µg/mL	Gravimetric
	CAS # 191-24-2	(Lot 8GFYJ)			+/-	11.9573	µg/mL	Unstressed
	Purity 99%				+/-	19.0298	µg/mL	Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Specific Reference Material Notes:

N-nitrosodiphenylamine 1000 ug/mL equivalent when used for GC analysis. Actual formulation is diphenylamine 855 ug/mL.
N-Nitrosodiphenylamine is prone to breakdown in the injection port and will be converted to diphenylamine.
N-Nitrosodiphenylamine is also a reactive species that can initiate premature decomposition of other compounds in the mix. For these reasons diphenylamine is used in the preparation of this mixture. When comparing the response of this compound to mixtures manufactured using N-nitrosodiphenylamine, a difference in response will be observed.
This lot was approved even though the %D for 4,6-DN-2-MP was greater than 10%.

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

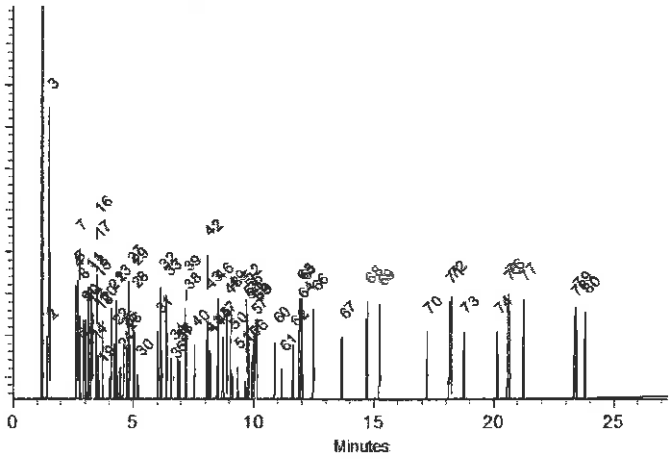
Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Cathleen Soltis - Mix Technician

Date Mixed: 03-Aug-2021 **Balance:** B442140311

John Lidgett - AD Chemist

Date Passed: 23-Aug-2021

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

Reagent

8270S#10_1stk_00016

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569731 **Lot No.:** A0164214

Description : 8270 List 1 / Std #10

8270 List 1 / Std #10 2000 µg/mL, Methylene chloride, 5mL/ampul

2841490
ID 8270S#10_1stk_00016
Exp 03/31/22 Prpd JKM Opn 04/07/21
8270 List 1 / Std#10 (pn)

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : March 31, 2022 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L., K=2)	
1	Indene **CAS #** 95-13-6 **Purity** 97% (Lot MKBT8433V)	2,007.3 µg/mL	+/- 11.6706 µg/mL +/- 112.5470 µg/mL +/- 115.1804 µg/mL	Gravimetric Unstressed Stressed
2	Benzoic acid **CAS #** 65-85-0 **Purity** 99% (Lot MKCG6487)	2,000.6 µg/mL	+/- 11.6318 µg/mL +/- 112.1731 µg/mL +/- 114.7978 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

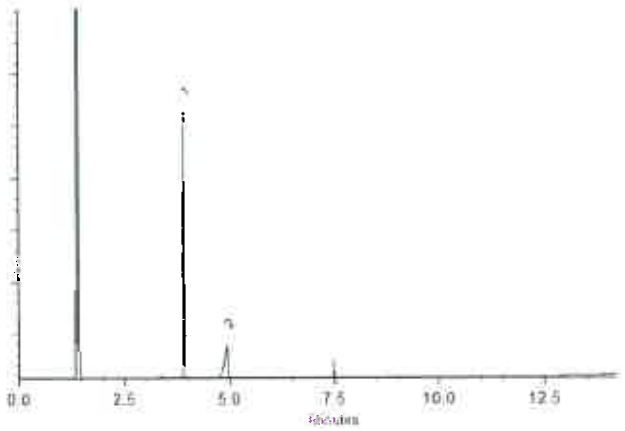
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Russ Bookhamer - Operations Technician I

Date Mixed: 08-Sep-2020 **Balance:** 1128360905

Justine Albertson - Operations Tech-ARM QC

Date Passed: 10-Sep-2020

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

Reagent

8270S#10_1stk_00018

RESTEK®
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569731 **Lot No.:** A0173787

Description : 8270 List 1 / Std #10

8270 List 1 / Std #10 2000 µg/mL, Methylene chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : December 31, 2022 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Indene	2,011.6 µg/mL	+/- 11.6957	µg/mL	Gravimetric
	CAS # 95-13-6 (Lot DMKCB7043-1211)		+/- 112.7892	µg/mL	Unstressed
	Purity 98%		+/- 115.4283	µg/mL	Stressed
2	Benzoic acid	2,018.2 µg/mL	+/- 11.7340	µg/mL	Gravimetric
	CAS # 65-85-0 (Lot MKCG6487)		+/- 113.1585	µg/mL	Unstressed
	Purity 99%		+/- 115.8062	µg/mL	Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

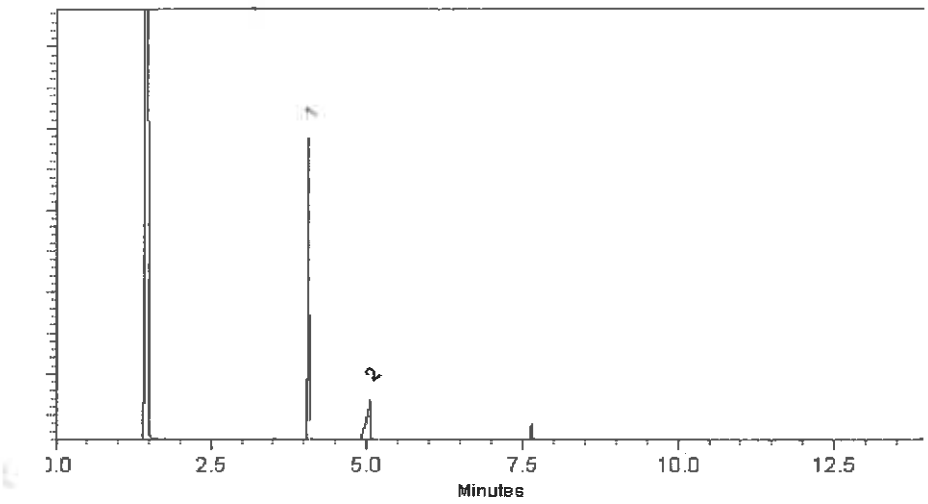
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 24-Jun-2021 **Balance:** 1128360905

Alexis Shelow - Operations Tech I

Date Passed: 28-Jun-2021

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

Reagent

8270S#11_1stk_00011

RESTEK®
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3212.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569732 **Lot No.:** A0164387

Description : 8270 List 1 / Std #11

8270 List 1 / Std #11 2,000µg/mL, Methylene chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : March 31, 2022 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Benzaldehyde **CAS #** 100-52-7 **Purity** 99% (Lot SHBG8690V)	2,001.8 µg/mL	+/- 11.6383 µg/mL +/- 39.9656 µg/mL +/- 89.7049 µg/mL	Gravimetric Unstressed Stressed
2	epsilon-Caprolactam **CAS #** 105-60-2 **Purity** 99% (Lot I16X016)	2,000.6 µg/mL	+/- 11.6316 µg/mL +/- 39.9423 µg/mL +/- 89.6527 µg/mL	Gravimetric Unstressed Stressed
3	Atrazine **CAS #** 1912-24-9 **Purity** 99% (Lot PI8FG)	2,000.0 µg/mL	+/- 11.6282 µg/mL +/- 39.9306 µg/mL +/- 89.6265 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

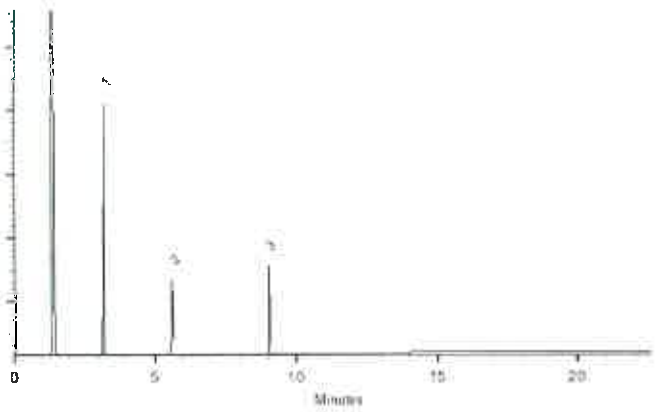
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Russ Bookhamer - Operations Technician I

Date Mixed: 14-Sep-2020 **Balance:** 1128360905

Justine Albertson - Operations Tech-ARM QC

Date Passed: 17-Sep-2020

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

Reagent

8270S#11_1stk_00013

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569732 **Lot No.:** A0172244

Description : 8270 List 1 / Std #11

8270 List 1 / Std #11 2,000µg/mL, Methylene chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : November 30, 2022 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Benzaldehyde		2,015.7 µg/mL	+/- 11.7193	µg/mL	Gravimetric
	CAS # 100-52-7	(Lot RD210106)		+/- 40.2434	µg/mL	Unstressed
	Purity 99%			+/- 90.3286	µg/mL	Stressed
2	epsilon-Caprolactam		2,008.5 µg/mL	+/- 11.6776	µg/mL	Gravimetric
	CAS # 105-60-2	(Lot I16X016)		+/- 40.1003	µg/mL	Unstressed
	Purity 99%			+/- 90.0074	µg/mL	Stressed
3	Atrazine		2,008.5 µg/mL	+/- 11.6776	µg/mL	Gravimetric
	CAS # 1912-24-9	(Lot PI8FG)		+/- 40.1003	µg/mL	Unstressed
	Purity 99%			+/- 90.0074	µg/mL	Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

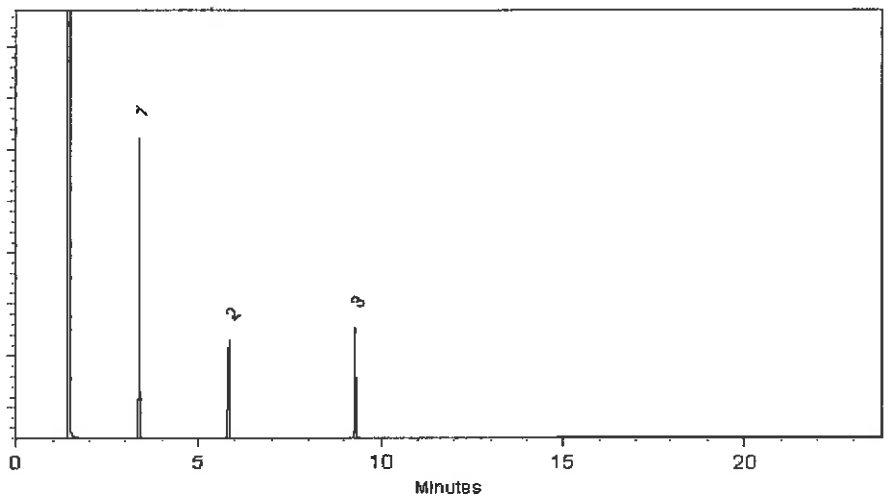
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 11-May-2021 **Balance:** 1128360905

Marlina Cowan - Operations Tech I

Date Passed: 12-May-2021

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

Reagent

8270S#9_1stk_00015

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569730 **Lot No.:** A0167791

Description : 8270 List 1 / Std #9

8270 List 1 / Std #9 2000 µg/mL, Methylene chloride, 5mL/ampul

ID: 8270S#9_1stk_00016
Exp 07/31/22 Prpd JKM Opn 06/15/21
8270 List 1 / Std#9 (prim

Container Size : 10 mL **Pkg Amt:** > 5 mL

Expiration Date : July 31, 2022 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Benzidine	2,002.5 µg/mL	+/- 11.6427	µg/mL	Gravimetric
	CAS # 92-87-5 (Lot CYGNUSX3)		+/- 23.9380	µg/mL	Unstressed
	Purity 99%		+/- 38.0970	µg/mL	Stressed
2	3,3'-Dichlorobenzidine	2,006.5 µg/mL	+/- 11.6660	µg/mL	Gravimetric
	CAS # 91-94-1 (Lot 200824RSR)		+/- 23.9858	µg/mL	Unstressed
	Purity 99%		+/- 38.1731	µg/mL	Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

2841447
ID: 8270S#9_1stk_00016
Exp 07/31/22 Prpd JKM Opn 04/06/21
8270 List 1 / Std#9 (prim

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

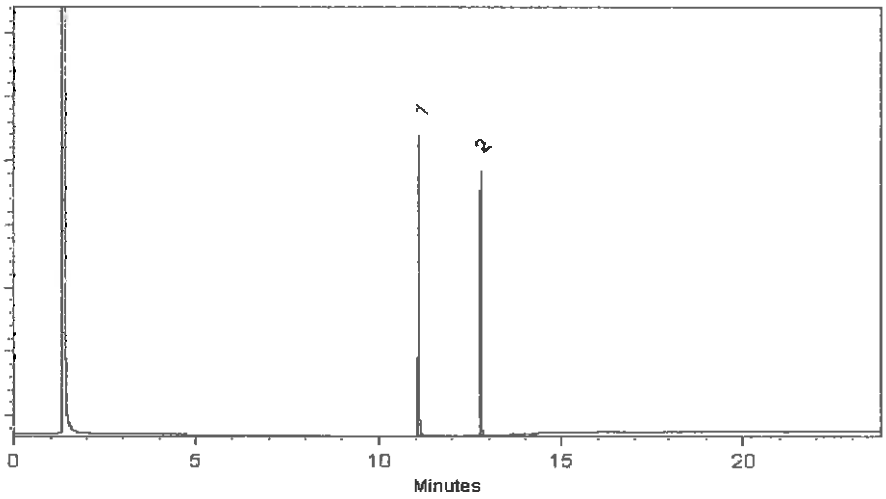
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Russ Bookhamer - Operations Technician I

Date Mixed: 05-Jan-2021 **Balance:** 1128360905

Alexis Shalow - Operations Tech I

Date Passed: 26-Feb-2021

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

Reagent

8270S#9_1stk_00017

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569730 **Lot No.:** A0175898

Description : 8270 List 1 / Std #9

8270 List 1 / Std #9 2000 µg/mL, Methylene chloride, 5mL/ampul

Container Size : 10 mL **Pkg Amt:** > 5 mL

Expiration Date : February 28, 2023 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Benzidine **CAS #** 92-87-5 (Lot 210716JLM) **Purity** 99%	2,005.0 µg/mL	+/- 11.6572 µg/mL +/- 23.9679 µg/mL +/- 38.1445 µg/mL		Gravimetric Unstressed Stressed
2	3,3'-Dichlorobenzidine **CAS #** 91-94-1 (Lot 210727RSR) **Purity** 99%	2,018.0 µg/mL	+/- 11.7328 µg/mL +/- 24.1233 µg/mL +/- 38.3919 µg/mL		Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

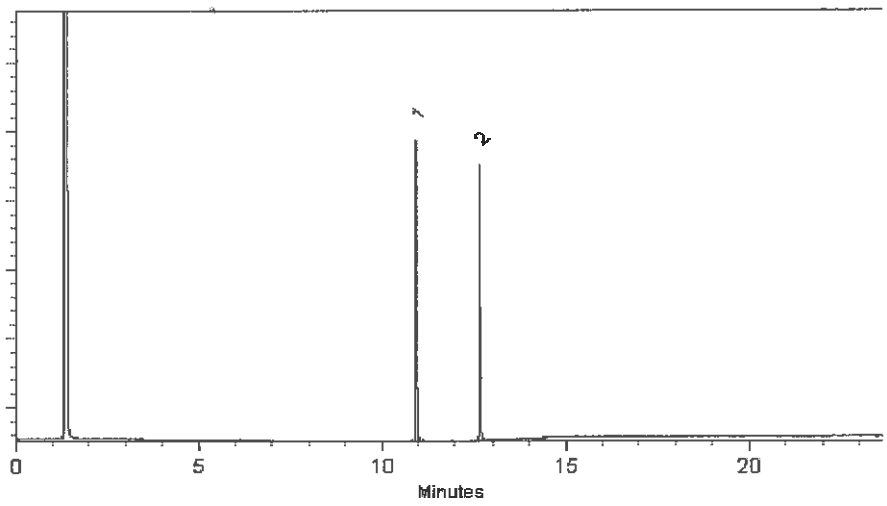
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 30-Aug-2021 **Balance:** 1128360905

Merline Cowan - Operations Tech I

Date Passed: 07-Sep-2021

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

Reagent

8270Surr_Phen_00015

Certificate of Analysis

Produced by Phenova
5090 Joyce Drive STE 101, Golden, CO 80403 USA ▪ Tel: 303-940-0033 ▪ Fax: 303-940-0043 ▪ info@phenova.com
Access your Safety Data Sheets and digital Certificates at www.phenova.com/documents.

Certified Reference Material

This product is certified in accordance with Phenova's ISO 17034 accreditation and supported by Phenova's ISO/ICE 17025 chemical testing accreditation

Catalog Number: AL0-130371
Description: Revised BNA Surrogate Spike Mix
Storage: Refrigerate (4-10 °C)
Provided As: 25mL in 30mL Vial in Methanol

Lot Number: CL16338
Certification Date: January 21, 2021
Expiration Date: January 31, 2026

Andrea L Gill

Andrea Gill, Certified Reference Material Manager

Component	CAS Number	Certified Value (µg/mL)	Expanded Uncertainty
1,4-Dioxane-d8	17647-74-4	500	0.211%
Fluoranthene-d10	93951-69-0	100	0.120%
2-Fluorobiphenyl	321-60-8	100	0.232%
2-Fluorophenol	367-12-4	100	0.232%
2-Methylnaphthalene-d10	7297-45-2	100	0.122%
Nitrobenzene-d5	4165-60-0	100	0.232%
Phenol-d5	4165-62-2	100	0.232%
p-Terphenyl-d14	1718-51-0	100	0.232%
2,4,6-Tribromophenol	118-79-6	100	0.153%

ACCREDITED
Reference Material Producer
Certicate No. 2427.02

phenova Certified Reference Materials

Phenova is an accredited ISO/IEC 17034 Reference Material Producer and ISO/IEC 17025 accredited Chemical Testing Laboratory.

ACCREDITED
Chemical Testing Laboratory
Certicate No. 2427.03

Certificate of Analysis

Produced by Phenova
6390 Joyce Drive STE 100, Golden, CO 80403 USA • Tel: 303-940-0033 • Fax: 303-940-0043 • info@phenova.com
Access your Safety Data Sheets and digital Certificates at www.phenova.com/documents.

1. Quality Document: This Certificate of Analysis has been created in accordance with ISO Guide 31[1] and ISO Guide 35[2].

2. Quality Standards: Phenova is accredited by A2LA to ISO 17034[3] and ISO/IEC 17025[4] as a producer of Certified Reference Materials and Reference Materials. This ensures that our manufacturing processes have been accredited to and meet strict international standards.

3. Intended Use: This product is manufactured for calibration, calibration verification, quantification, identification and other appropriate analytical control applications. This product is provided for routine laboratory analysis and research purposes only. Only trained personnel should handle is product.

4. Handling and Usage Notes: Store according to the recommended conditions listed and avoid prolonged exposure to light. Visually inspect the solution inside the ampoule for any un-dissolved material. If particulate is visible, sonicate or heat the unopened ampoule until material is fully dissolved. Dilute as required, use only glass A glassware and diluents compatible with all certified analytes in the mixture. Considerations should be made related to repeated use of the opened product. Once opened, exposure to light, air, heat, objects and addition transfer vessels may cause evaporation, degradation or contamination resulting in changes in concentration, uncertainty, and stability duration. Store opened standards in a clean, tightly capped vessel under the recommended temperature. Appropriate controls, such as the use of additional verification standards should be used to confirm that the opened product is fit for purpose under repeated use conditions.

5. Hazardous Situation: The product is intended for use by experienced professional personnel. A Safety Data Sheet (SDS) is available at www.phenova.com/documents.

6. Level of Homogeneity: The product has been determined to be homogeneous to a minimum volume of the packaged amount.

7. Certified Value: Certified Value is based upon gravimetric and volumetric preparation using calibrated balances and Class A glassware.

8. Raw Materials and Purity: Phenova reference standard products are prepared from the highest quality starting materials. The purity of the materials used in this product were verified using ISO/IEC 17025 methodology.

9. Expanded Uncertainty: The expanded uncertainty (uRM) as stated is determined in accordance with ISO/IEC Guide 98[5] and ISO Guide 35 incorporating Type A standard uncertainty at a 95% confidence level. The uncertainty is calculated based on the element of manufacturing (uM) times a coverage factor (k=2).

   $uRM = k * uM$

10. Metrological Traceability: The property value (certified value and its uncertainty) is traceable through an unbroken chain of calibration to the SI base unit kg through a NIST traceable weight in accordance with ISO Guide 34. This is achieved through calibration of balances, verification of weights, and use of national methodology for glassware calibration utilizing and ISO/IEC 17025 methodology.

11. Period of Validity: The Certified Values, Uncertainties and Expiration Date are based on the unopened product being stored according to the recommended storage condition listed and are guaranteed until the Expiration Date. This product will be monitored during the period of validity and customers notified of any significant changes in stability.

References:

1. ISO Guide 31 – Reference Materials – Contents of Certificates and Labels.
2. ISO Guide 35 – Reference Materials – General and Statistical Principles for Certification.
3. ISO 17034 – General Requirements for the Competence of Reference Material Producers.
4. ISO/IEC 17025 – General Requirements for the Competence of Testing and Calibration Laboratories.
5. ISO/IEC Guide 98 – Uncertainty of Measurement – Part 3: Guide to Expression of Uncertainty in Measurement (GUM:1995)

Reagent

DFTPPSTK_00014

RESTEK®
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31615 **Lot No.:** A0151587

Description : GC/MS Tuning Mixture

GC/MS Tuning Mixture 1,000µg/mL, Methylene Chloride, 1mL/ampul

2494939
ID: DFTPPSTK_00014
Exp:08/31/22 Prpd:ADB Opn:10/03/19
GC/MS Tuning Mixture Stoc

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2022 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L., K=2)	
1	Pentachlorophenol	1,002.4 µg/mL	+/- 5.8826 µg/mL	Gravimetric
	CAS # 87-86-5 (Lot 190227CGKJ)		+/- 45.6585 µg/mL	Unstressed
	Purity 99%		+/- 65.9247 µg/mL	Stressed
2	DFTPP (Decafluorotriphenylphosphine)	1,008.8 µg/mL	+/- 5.9202 µg/mL	Gravimetric
	CAS # 5074-71-5 (Lot 10198748)		+/- 45.9501 µg/mL	Unstressed
	Purity 99%		+/- 66.3457 µg/mL	Stressed
3	Benzidine	1,000.8 µg/mL	+/- 5.8733 µg/mL	Gravimetric
	CAS # 92-87-5 (Lot 190409JACG)		+/- 45.5857 µg/mL	Unstressed
	Purity 99%		+/- 65.8195 µg/mL	Stressed
4	4,4'-DDT	1,010.0 µg/mL	+/- 5.9272 µg/mL	Gravimetric
	CAS # 50-29-3 (Lot S37912V)		+/- 46.0047 µg/mL	Unstressed
	Purity 99%		+/- 66.4246 µg/mL	Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

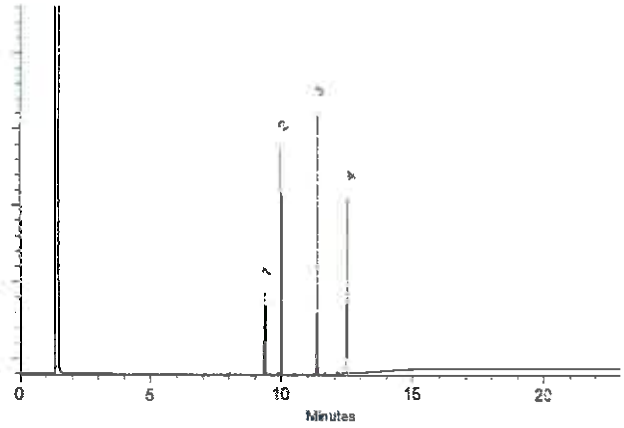
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Joseph Jaglowski - Mix Technician

Date Mixed: 06-Aug-2019 **Balance:** 1128360905

Justina Albertson - Operations Tech-ARM QC

Date Passed: 09-Aug-2019

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

8270E_DOD5

Semivolatile Organic Compounds (GC/MS)

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): ZB-SV ID: 0.25(mm)

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPHL #
ERH2692 (OWDFMW01)	580-111294-1	53	32	76	69	69	97
ERH2772 (Equipment Blank)	580-111294-2	38	22	56	60	31 M Q	87
ERH2743 (RHMW13-5)	580-111294-3	44	24	70	59	68	95
ERH2744 (RHMW13-5)	580-111294-4	39	22	62	62	44	91
ERH2745 (RHMW13-5)	580-111294-5	42	23	64	62	39 Q	90
	MB 580-383995/1-A	48	31	76	72	53	98
	MB 580-383995/1-A RA	50	31	79	69	60	108
	LCS 580-383995/2-A	50	32	81	79	84	96
	LCS 580-383995/2-A RA	53	36	90	76	90	111
	LCSD 580-383995/3-A	51	41 M	77	73	87	103
	LCSD 580-383995/3-A RA	53	37	89	81	81	102

	QC LIMITS
2FP = 2-Fluorophenol (Surr)	19-119
PHL = Phenol-d5 (Surr)	10-120
NBZ = Nitrobenzene-d5 (Surr)	44-120
FBP = 2-Fluorobiphenyl	44-119
TBP = 2,4,6-Tribromophenol (Surr)	43-140
TPHL = Terphenyl-d14	50-134

Column to be used to flag recovery values

FORM II 8270E

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 31722A11.D

Lab ID: LCS 580-383995/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,2,4-Trichlorobenzene	2.00	1.28	64	29-116	
1,2-Dichlorobenzene	2.00	1.17	58	32-111	
1,3-Dichlorobenzene	2.00	1.19	59	28-110	
1,4-Dichlorobenzene	2.00	1.14	57	29-112	
2,4,5-Trichlorophenol	2.00	1.55	78	53-123	
2,4,6-Trichlorophenol	2.00	1.74	87	50-125	
2,4-Dichlorophenol	2.00	1.69	84	47-121	
2,4-Dimethylphenol	2.00	1.57 J	79	31-124	
2,4-Dinitrotoluene	2.00	1.96	98	57-128	
2,6-Dinitrotoluene	2.00	1.93	97	57-124	
2-Chloronaphthalene	2.00	1.60	80	40-116	
2-Chlorophenol	2.00	1.64	82	38-117	
2-Nitrophenol	2.00	1.73	87	47-123	
3,3'-Dichlorobenzidine	4.00	3.89	97	27-129	
4-Bromophenyl phenyl ether	2.00	1.65	82	55-124	
4-Chloro-3-methylphenol	2.00	1.73	87	52-119	
4-Chlorophenyl phenyl ether	2.00	1.80	90	53-121	
4-Nitrophenol	4.00	6.0 U	41	35-145	
Azobenzene	2.00	1.68 J	84	61-116	
Bis(2-chloroethoxy)methane	2.00	1.62	81	48-120	
Bis(2-chloroethyl)ether	2.00	1.42	71	43-118	
Bis(2-ethylhexyl) phthalate	2.00	2.49 J	124	55-135	
bis (2-chloroisopropyl) ether	2.00	1.42	71	37-130	
Butyl benzyl phthalate	2.00	2.06 J	103	53-134	
Diethyl phthalate	2.00	1.99	99	56-125	
Dimethyl phthalate	2.00	2.10	105	45-127	
Di-n-butyl phthalate	2.00	1.83 J	92	59-127	
Di-n-octyl phthalate	2.00	2.21	111	51-140	
Hexachlorobenzene	2.00	1.56	78	53-125	
Hexachlorobutadiene	2.00	0.997 J	50	22-124	
Hexachlorocyclopentadiene	2.00	0.994 J	50	20-125	
Hexachloroethane	2.00	1.04	52	21-115	
Isophorone	2.00	1.64	82	42-124	
m+p-Cresol	2.00	1.15	57	29-110	
Nitrobenzene	2.00	1.56	78	45-121	
N-Nitrosodimethylamine	2.00	1.11 J	56	45-125	
N-Nitrosodi-n-propylamine	2.00	1.55	77	49-119	
N-Nitrosodiphenylamine	2.00	1.89	95	51-123	
o-Cresol	2.00	1.46	73	30-117	
Pentachlorophenol	4.00	1.55 J	39	35-138	
Phenol	2.00	0.826 J	41	13-120	M
Pyrene	2.00	1.65	82	57-126	

Column to be used to flag recovery and RPD values

FORM III 8270E

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 31722A11.D

Lab ID: LCS 580-383995/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Pyridine	4.00	1.33 J	33	20-125	

Column to be used to flag recovery and RPD values

FORM III 8270E

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 40Scan032222a007.D

Lab ID: LCS 580-383995/2-A RA Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
2,4-Dinitrophenol	4.00	2.96 J	74	23-143	M
4,6-Dinitro-2-methylphenol	4.00	3.21	80	44-137	

Column to be used to flag recovery and RPD values

FORM III 8270E

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 31722A12.D

Lab ID: LCSD 580-383995/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,2,4-Trichlorobenzene	2.00	0.993	50	25	20	29-116	Q
1,2-Dichlorobenzene	2.00	0.999	50	15	20	32-111	
1,3-Dichlorobenzene	2.00	0.933	47	24	20	28-110	Q
1,4-Dichlorobenzene	2.00	0.926	46	20	20	29-112	
2,4,5-Trichlorophenol	2.00	1.59	79	2	20	53-123	
2,4,6-Trichlorophenol	2.00	1.56	78	11	20	50-125	
2,4-Dichlorophenol	2.00	1.64	82	3	20	47-121	
2,4-Dimethylphenol	2.00	1.57 J	79	0	20	31-124	
2,4-Dinitrotoluene	2.00	1.81	90	8	20	57-128	
2,6-Dinitrotoluene	2.00	1.74	87	11	20	57-124	
2-Chloronaphthalene	2.00	1.43	71	12	20	40-116	
2-Chlorophenol	2.00	1.75	88	6	20	38-117	
2-Nitrophenol	2.00	1.67	84	3	20	47-123	
3,3'-Dichlorobenzidine	4.00	4.14	103	6	20	27-129	
4-Bromophenyl phenyl ether	2.00	1.64	82	1	20	55-124	
4-Chloro-3-methylphenol	2.00	1.61	81	7	20	52-119	
4-Chlorophenyl phenyl ether	2.00	1.64	82	9	20	53-121	
4-Nitrophenol	4.00	6.0 U	41	0	20	35-145	
Azobenzene	2.00	1.69 J	84	1	20	61-116	
Bis(2-chloroethoxy)methane	2.00	1.65	83	2	20	48-120	
Bis(2-chloroethyl)ether	2.00	1.52	76	7	20	43-118	
Bis(2-ethylhexyl) phthalate	2.00	2.49 J	125	0	20	55-135	
bis (2-chloroisopropyl) ether	2.00	1.47	73	3	20	37-130	
Butyl benzyl phthalate	2.00	2.03 J	101	2	20	53-134	
Diethyl phthalate	2.00	1.92	96	3	20	56-125	
Dimethyl phthalate	2.00	1.96	98	7	20	45-127	
Di-n-butyl phthalate	2.00	1.88 J	94	3	20	59-127	
Di-n-octyl phthalate	2.00	2.16	108	3	20	51-140	
Hexachlorobenzene	2.00	1.64	82	5	20	53-125	
Hexachlorobutadiene	2.00	0.666 J	33	40	20	22-124	Q
Hexachlorocyclopentadiene	2.00	0.706 J	35	34	20	20-125	Q
Hexachloroethane	2.00	0.752 J	38	33	20	21-115	Q
Isophorone	2.00	1.63	82	1	20	42-124	
m+p-Cresol	2.00	1.44	72	22	20	29-110	Q
Nitrobenzene	2.00	1.64	82	5	20	45-121	
N-Nitrosodimethylamine	2.00	1.06 J	53	5	20	45-125	
N-Nitrosodi-n-propylamine	2.00	1.58	79	2	20	49-119	
N-Nitrosodiphenylamine	2.00	1.96	98	3	20	51-123	
o-Cresol	2.00	1.59	80	9	20	30-117	
Pentachlorophenol	4.00	1.83 J	46	17	20	35-138	
Phenol	2.00	0.664 J	33	22	20	13-120	Q
Pyrene	2.00	1.66	83	1	20	57-126	

Column to be used to flag recovery and RPD values

FORM III 8270E

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 31722A12.D

Lab ID: LCSD 580-383995/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Pyridine	4.00	1.78 J	44	29	20	20-125	Q

Column to be used to flag recovery and RPD values

FORM III 8270E

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 40Scan032222a008.D

Lab ID: LCSD 580-383995/3-A RA Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
2,4-Dinitrophenol	4.00	3.15 J	79	6	20	23-143	M
4,6-Dinitro-2-methylphenol	4.00	3.10	78	3	20	44-137	

Column to be used to flag recovery and RPD values

FORM III 8270E

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Lab File ID: 40Scan032222a006.D Lab Sample ID: MB 580-383995/1-A

Matrix: Water Date Extracted: 03/16/2022 09:47

Instrument ID: TAC040 Date Analyzed: 03/22/2022 13:51

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 580-383995/2-A RA	40Scan032222a007.D	03/22/2022 14:15
	LCSD 580-383995/3-A RA	40Scan032222a008.D	03/22/2022 14:39

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Lab File ID: 31722A10.D Lab Sample ID: MB 580-383995/1-A

Matrix: Water Date Extracted: 03/16/2022 09:47

Instrument ID: TAC051 Date Analyzed: 03/17/2022 13:35

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 580-383995/2-A	31722A11.D	03/17/2022 13:58
	LCSD 580-383995/3-A	31722A12.D	03/17/2022 14:22
ERH2692 (OWDFMW01)	580-111294-1	32222Z15.D	03/22/2022 17:10
ERH2772 (Equipment Blank)	580-111294-2	32222A16.D	03/22/2022 17:34
ERH2743 (RHMW13-5)	580-111294-3	32222A17.D	03/22/2022 17:58
ERH2744 (RHMW13-5)	580-111294-4	32222A18.D	03/22/2022 18:22
ERH2745 (RHMW13-5)	580-111294-5	32222A19.D	03/22/2022 18:45

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Lab File ID: 40Scan032222a003.D DFTPP Injection Date: 03/22/2022

Instrument ID: TAC040 DFTPP Injection Time: 12:06

Analysis Batch No.: 384624

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10.0 - 80.0 % of mass 198	52.8	
68	Less than 2.0 % of mass 69	0.1	(0.1) 1
69	Mass 69 relative abundance	57.9	
70	Less than 2.0 % of mass 69	0.3	(0.4) 1
127	10.0 - 80.0 % of mass 198	51.2	
197	Less than 2.0 % of mass 198	0.0	
198	Base Peak, 100% relative abundance	100.0	
199	5.0 - 9.0 % of mass 198	6.8	
275	10.0 - 60.0 % of mass 198	25.9	
365	Greater than 1.0 % of mass 198	4.4	
441	Present but less than mass 443	24.1	
442	Greater than 50.0 % of mass 198	144.3	
443	15.0 - 24.0 % of mass 442	27.9	(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:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 580-384624/3	40Scan032222a	03/22/2022	12:55
	MB 580-383995/1-A RA	40Scan032222a	03/22/2022	13:51
	LCS 580-383995/2-A RA	40Scan032222a	03/22/2022	14:15
	LCSD 580-383995/3-A RA	40Scan032222a	03/22/2022	14:39
	CCVC 580-384624/30	40Scan032222a	03/22/2022	23:41

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Lab File ID: 0124A08_.D DFTPP Injection Date: 01/24/2022

Instrument ID: TAC051 DFTPP Injection Time: 16:16

Analysis Batch No.: 379142

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
68	Less than 2.0 % of mass 69	0.0	(0.0) 1
69	Mass 69 relative abundance	31.5	
70	Less than 2.0 % of mass 69	0.2	(0.6) 1
197	Less than 2.0 % of mass 198	0.0	
198	Base Peak, 100% relative abundance	100.0	
199	5.0 - 9.0 % of mass 198	6.9	
365	Greater than 1.0 % of mass 198	4.4	
441	Present but less than mass 443	15.3	
442	Greater than 50.0 % of mass 198	99.0	
443	15.0 - 24.0 % of mass 442	19.7	(19.9) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD10 580-379142/4	0124A10_.D	01/24/2022	17:04
	STD9 580-379142/5	0124A11_.D	01/24/2022	17:28
	STD8 580-379142/6	0124A12_.D	01/24/2022	17:51
	STD7IS 580-379142/7	0124A13_.D	01/24/2022	18:14
	STD6 580-379142/8	0124A14_.D	01/24/2022	18:37
	STD5 580-379142/9	0124A15_.D	01/24/2022	19:00
	STD4 580-379142/10	0124A16_.D	01/24/2022	19:23
	STD3 580-379142/11	0124A17_.D	01/24/2022	19:45
	STD2 580-379142/12	0124A18_.D	01/24/2022	20:08
	STD1 580-379142/13	0124A19_.D	01/24/2022	20:31
	ICV 580-379142/15	0124A21_.D	01/24/2022	21:17

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Lab File ID: 31722A06.D DFTPP Injection Date: 03/17/2022

Instrument ID: TAC051 DFTPP Injection Time: 12:03

Analysis Batch No.: 384146

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
68	Less than 2.0 % of mass 69	0.3	(0.8) 1
69	Mass 69 relative abundance	34.8	
70	Less than 2.0 % of mass 69	0.2	(0.6) 1
197	Less than 2.0 % of mass 198	0.0	
198	Base Peak, 100% relative abundance	100.0	
199	5.0 - 9.0 % of mass 198	7.1	
365	Greater than 1.0 % of mass 198	4.3	
441	Present but less than mass 443	12.7	
442	Greater than 50.0 % of mass 198	81.8	
443	15.0 - 24.0 % of mass 442	17.2	(21.0) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 580-384146/3	31722A08.D	03/17/2022	12:48
	MB 580-383995/1-A	31722A10.D	03/17/2022	13:35
	LCS 580-383995/2-A	31722A11.D	03/17/2022	13:58
	LCSD 580-383995/3-A	31722A12.D	03/17/2022	14:22
	CCVC 580-384146/21	31722A30.D	03/17/2022	21:21

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Lab File ID: 32222A03.D DFTPP Injection Date: 03/22/2022

Instrument ID: TAC051 DFTPP Injection Time: 11:08

Analysis Batch No.: 384725

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0 % of mass 69	0.0 (0.1) 1
69	Mass 69 relative abundance	29.1
70	Less than 2.0 % of mass 69	0.2 (0.5) 1
197	Less than 2.0 % of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 - 9.0 % of mass 198	7.3
365	Greater than 1.0 % of mass 198	4.9
441	Present but less than mass 443	15.6
442	Greater than 50.0 % of mass 198	99.9
443	15.0 - 24.0 % of mass 442	19.5 (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:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 580-384725/3	32222A04.D	03/22/2022	11:45
ERH2692 (OWDFMW01)	580-111294-1	32222Z15.D	03/22/2022	17:10
ERH2772 (Equipment Blank)	580-111294-2	32222A16.D	03/22/2022	17:34
ERH2743 (RHMW13-5)	580-111294-3	32222A17.D	03/22/2022	17:58
ERH2744 (RHMW13-5)	580-111294-4	32222A18.D	03/22/2022	18:22
ERH2745 (RHMW13-5)	580-111294-5	32222A19.D	03/22/2022	18:45
	CCVC 580-384725/18	32222A24.D	03/22/2022	20:44

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Sample No.: CCVIS 580-384624/3 Date Analyzed: 03/22/2022 12:55

Instrument ID: TAC040 GC Column: ZB-SV ID: 0.25(mm)

Lab File ID (Standard): 40Scan032222a004.D Heated Purge: (Y/N) N

Calibration ID: 32213

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		18493	4.69	71720	5.72	35488	7.15
UPPER LIMIT		36986	5.19	143440	6.22	70976	7.65
LOWER LIMIT		9247	4.19	35860	5.22	17744	6.65
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 580-383995/1-A RA		17402	4.69	64461	5.72	28962	7.15
LCS 580-383995/2-A RA		16782	4.69	63319	5.72	33674	7.15
LCSD 580-383995/3-A RA		16702	4.69	62050	5.72	30261	7.15
CCVC 580-384624/30		19660	4.69	74527	5.72	37071	7.15

DCBd4 = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270E

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Sample No.: CCVIS 580-384624/3 Date Analyzed: 03/22/2022 12:55

Instrument ID: TAC040 GC Column: ZB-SV ID: 0.25(mm)

Lab File ID (Standard): 40Scan032222a004.D Heated Purge: (Y/N) N

Calibration ID: 32213

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		61906	8.37	52526	10.58	55148	12.09
UPPER LIMIT		123812	8.87	105052	11.08	110296	12.59
LOWER LIMIT		30953	7.87	26263	10.08	27574	11.59
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 580-383995/1-A RA		48111	8.37	44222	10.58	49805	12.09
LCS 580-383995/2-A RA		51507	8.37	49225	10.57	53227	12.08
LCSD 580-383995/3-A RA		54538	8.37	46856	10.57	49203	12.09
CCVC 580-384624/30		59800	8.37	57131	10.57	62657	12.08

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270E

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Sample No.: STD7IS 580-379142/7 Date Analyzed: 01/24/2022 18:14

Instrument ID: TAC051 GC Column: ZB-SV ID: 0.25(mm)

Lab File ID (Standard): 0124A13_.D Heated Purge: (Y/N) N

Calibration ID: 31978

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		32770	4.49	118298	5.50	65313	6.93
UPPER LIMIT		65540	4.99	236596	6.00	130626	7.43
LOWER LIMIT		16385	3.99	59149	5.00	32657	6.43
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 580-379142/15		29129	4.49	96485	5.50	53811	6.93

DCBd4 = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270E

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Sample No.: STD7IS 580-379142/7 Date Analyzed: 01/24/2022 18:14

Instrument ID: TAC051 GC Column: ZB-SV ID: 0.25(mm)

Lab File ID (Standard): 0124A13_.D Heated Purge: (Y/N) N

Calibration ID: 31978

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		94680	8.14	77460	10.33	82562	11.86
UPPER LIMIT		189360	8.64	154920	10.83	165124	12.36
LOWER LIMIT		47340	7.64	38730	9.83	41281	11.36
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 580-379142/15		77974	8.14	68776	10.33	75719	11.86

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270E

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Sample No.: CCVIS 580-384146/3 Date Analyzed: 03/17/2022 12:48

Instrument ID: TAC051 GC Column: ZB-SV ID: 0.25(mm)

Lab File ID (Standard): 31722A08.D Heated Purge: (Y/N) N

Calibration ID: 31978

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		34798	4.46	131191	5.47	69484	6.89
UPPER LIMIT		69596	4.96	262382	5.97	138968	7.39
LOWER LIMIT		17399	3.96	65596	4.97	34742	6.39
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 580-383995/1-A		34471	4.45	115826	5.47	58679	6.90
LCS 580-383995/2-A		34353	4.46	119550	5.47	62613	6.90
LCSD 580-383995/3-A		33824	4.46	128364	5.47	67911	6.89
CCVC 580-384146/21		33340	4.45	128740	5.47	70452	6.89

DCBd4 = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270E

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Sample No.: CCVIS 580-384146/3 Date Analyzed: 03/17/2022 12:48

Instrument ID: TAC051 GC Column: ZB-SV ID: 0.25(mm)

Lab File ID (Standard): 31722A08.D Heated Purge: (Y/N) N

Calibration ID: 31978

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		106648	8.11	91126	10.31	105925	11.84
UPPER LIMIT		213296	8.61	182252	10.81	211850	12.34
LOWER LIMIT		53324	7.61	45563	9.81	52963	11.34
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 580-383995/1-A		99557	8.12	82176	10.31	87016	11.83
LCS 580-383995/2-A		106480	8.11	82991	10.30	91909	11.83
LCSD 580-383995/3-A		106499	8.11	84222	10.31	97560	11.83
CCVC 580-384146/21		105840	8.11	94779	10.31	96787	11.83

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270E

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Sample No.: CCVIS 580-384725/3 Date Analyzed: 03/22/2022 11:45

Instrument ID: TAC051 GC Column: ZB-SV ID: 0.25(mm)

Lab File ID (Standard): 32222A04.D Heated Purge: (Y/N) N

Calibration ID: 31978

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		19041	4.44	65267	5.46	40241	6.89
UPPER LIMIT		38082	4.94	130534	5.96	80482	7.39
LOWER LIMIT		9521	3.94	32634	4.96	20121	6.39
LAB SAMPLE ID	CLIENT SAMPLE ID						
580-111294-1	ERH2692 (OWDFMW01)	18270	4.44	68268	5.46	37260	6.89
580-111294-2	ERH2772 (Equipment Blank)	19336	4.44	77641	5.46	36175	6.89
580-111294-3	ERH2743 (RHMW13-5)	20621	4.44	71447	5.46	40565	6.89
580-111294-4	ERH2744 (RHMW13-5)	18636	4.44	72158	5.46	36306	6.89
580-111294-5	ERH2745 (RHMW13-5)	18606	4.44	76409	5.46	38494	6.89
CCVC 580-384725/18		20772	4.44	72564	5.46	40764	6.89

DCBd4 = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270E

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Sample No.: CCVIS 580-384725/3 Date Analyzed: 03/22/2022 11:45

Instrument ID: TAC051 GC Column: ZB-SV ID: 0.25(mm)

Lab File ID (Standard): 32222A04.D Heated Purge: (Y/N) N

Calibration ID: 31978

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		65142	8.10	49651	10.30	52096	11.82
UPPER LIMIT		130284	8.60	99302	10.80	104192	12.32
LOWER LIMIT		32571	7.60	24826	9.80	26048	11.32
LAB SAMPLE ID	CLIENT SAMPLE ID						
580-111294-1	ERH2692 (OWDFMW01)	66304	8.11	47089	10.30	61741	11.82
580-111294-2	ERH2772 (Equipment Blank)	63539	8.11	52331	10.30	63322	11.82
580-111294-3	ERH2743 (RHMW13-5)	62909	8.11	50375	10.30	63886	11.82
580-111294-4	ERH2744 (RHMW13-5)	63327	8.11	46471	10.30	56053	11.82
580-111294-5	ERH2745 (RHMW13-5)	64663	8.11	52098	10.30	63265	11.82
CCVC 580-384725/18		66128	8.10	55152	10.30	57496	11.82

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270E

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle | Job No.: 580-111294-1

SDG No.:

Client Sample ID: ERH2692 (OWDFMW01) | Lab Sample ID: 580-111294-1

Matrix: Water | Lab File ID: 32222Z15.D

Analysis Method: 8270E | Date Collected: 03/10/2022 10:05

Extract. Method: 3510C | Date Extracted: 03/17/2022 11:35

Sample wt/vol: 970.5(mL) | Date Analyzed: 03/22/2022 17:10

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 384725 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
120-82-1	1,2,4-Trichlorobenzene	0.31	U Q	0.41	0.31	0.093
95-50-1	1,2-Dichlorobenzene	0.15	U	0.41	0.15	0.052
541-73-1	1,3-Dichlorobenzene	0.093	U Q	0.41	0.093	0.041
106-46-7	1,4-Dichlorobenzene	0.093	U	0.41	0.093	0.041
95-95-4	2,4,5-Trichlorophenol	0.31	U	0.41	0.31	0.10
88-06-2	2,4,6-Trichlorophenol	0.31	U	0.62	0.31	0.10
120-83-2	2,4-Dichlorophenol	0.52	U	1.0	0.52	0.21
105-67-9	2,4-Dimethylphenol	0.52	U	4.1	0.52	0.16
51-28-5	2,4-Dinitrophenol	3.3	U	5.2	3.3	1.6
121-14-2	2,4-Dinitrotoluene	0.31	U	1.0	0.31	0.10
606-20-2	2,6-Dinitrotoluene	0.31	U	0.41	0.31	0.10
91-58-7	2-Chloronaphthalene	0.15	U	1.0	0.15	0.072
95-57-8	2-Chlorophenol	0.15	U	1.0	0.15	0.052
88-75-5	2-Nitrophenol	0.15	U	1.0	0.15	0.072
91-94-1	3,3'-Dichlorobenzidine	0.62	U	1.0	0.62	0.27
534-52-1	4,6-Dinitro-2-methylphenol	1.2	U	2.1	1.2	0.57
101-55-3	4-Bromophenyl phenyl ether	0.15	U	0.62	0.15	0.062
59-50-7	4-Chloro-3-methylphenol	0.31	U M	0.62	0.31	0.13
7005-72-3	4-Chlorophenyl phenyl ether	0.15	U	0.62	0.15	0.052
100-02-7	4-Nitrophenol	6.2	U	10	6.2	1.8
103-33-3	Azobenzene	0.15	U	2.1	0.15	0.062
111-91-1	Bis(2-chloroethoxy)methane	0.15	U	0.62	0.15	0.052
111-44-4	Bis(2-chloroethyl)ether	0.093	U	0.10	0.093	0.031
117-81-7	Bis(2-ethylhexyl) phthalate	1.6	U	3.1	1.6	0.76
108-60-1	bis (2-chloroisopropyl) ether	0.15	U M Q	0.26	0.15	0.062
85-68-7	Butyl benzyl phthalate	0.62	U	4.1	0.62	0.28
84-66-2	Diethyl phthalate	0.31	U	1.0	0.31	0.15
131-11-3	Dimethyl phthalate	0.15	U	0.62	0.15	0.062
84-74-2	Di-n-butyl phthalate	0.52	U	3.1	0.52	0.20
117-84-0	Di-n-octyl phthalate	0.31	U M Q	1.0	0.31	0.13
118-74-1	Hexachlorobenzene	0.093	U	0.62	0.093	0.041
87-68-3	Hexachlorobutadiene	0.15	U Q	1.0	0.15	0.062
77-47-4	Hexachlorocyclopentadiene	0.31	U Q	1.0	0.31	0.14
67-72-1	Hexachloroethane	0.15	U Q	1.0	0.15	0.052

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle | Job No.: 580-111294-1

SDG No.:

Client Sample ID: ERH2692 (OWDFMW01) | Lab Sample ID: 580-111294-1

Matrix: Water | Lab File ID: 32222Z15.D

Analysis Method: 8270E | Date Collected: 03/10/2022 10:05

Extract. Method: 3510C | Date Extracted: 03/17/2022 11:35

Sample wt/vol: 970.5(mL) | Date Analyzed: 03/22/2022 17:10

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 384725 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
78-59-1	Isophorone	0.31	U	0.41	0.31	0.10
15831-10-4	m+p-Cresol	0.31	U Q	0.62	0.31	0.10
98-95-3	Nitrobenzene	0.093	U	1.0	0.093	0.041
62-75-9	N-Nitrosodimethylamine	0.62	U	2.1	0.62	0.27
621-64-7	N-Nitrosodi-n-propylamine	0.093	U	0.41	0.093	0.062
86-30-6	N-Nitrosodiphenylamine	0.15	U	1.0	0.15	0.072
95-48-7	o-Cresol	0.15	U	0.62	0.15	0.052
87-86-5	Pentachlorophenol	1.0	U	10	1.0	0.53
108-95-2	Phenol	0.62	U Q	1.0	0.62	0.37
129-00-0	Pyrene	0.093	U	1.0	0.093	0.041
110-86-1	Pyridine	3.3	U Q	10	3.3	1.1

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	69		43-140
321-60-8	2-Fluorobiphenyl	69		44-119
367-12-4	2-Fluorophenol (Surr)	53		19-119
4165-60-0	Nitrobenzene-d5 (Surr)	76		44-120
4165-62-2	Phenol-d5 (Surr)	32		10-120
1718-51-0	Terphenyl-d14	97		50-134

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220322-81877.b\32222Z15.D
Lims ID: 580-111294-A-1-A
Client ID: ERH2692 (OWDFMW01)
Sample Type: Client
Inject. Date: 22-Mar-2022 17:10:30 ALS Bottle#: 11 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 580-111294-a-1-a
Operator ID: JCM Instrument ID: TAC051

Method: \\chromfs\Seattle\ChromData\TAC051\20220322-81877.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 23-Mar-2022 10:56:44 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1609

First Level Reviewer: thaneeratw Date: 23-Mar-2022 10:56:44

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.440	4.440	0.000	86	18270	100.0	
* 2 Naphthalene-d8	136	5.461	5.461	0.000	94	68268	100.0	
* 3 Acenaphthene-d10	164	6.892	6.887	0.005	72	37260	100.0	
* 4 Phenanthrene-d10	188	8.105	8.100	0.005	88	66304	100.0	
* 5 Chrysene-d12	240	10.301	10.295	0.005	89	47089	100.0	
* 6 Perylene-d12	264	11.818	11.818	0.000	84	61741	100.0	
$ 7 2-Fluorophenol	112	3.441	3.444	-0.001	87	88996	526.9	
$ 8 Phenol-d5	99	4.200	4.195	0.005	97	60217	318.9	
$ 9 Nitrobenzene-d5	82	4.889	4.889	0.000	85	123738	761.5	
$ 10 2-methylnaphthalene-d10	152	6.016	6.016	0.000	0	292418	NC	
$ 11 2-Fluorobiphenyl	172	6.347	6.348	-0.001	98	343419	693.2	
$ 12 2,4,6-Tribromophenol	330	7.549	7.557	0.010	69	61005	692.4	
$ 13 Fluoranthene-d10 (Surr)	212	9.077	9.077	0.000	0	566572	NC	
$ 14 Terphenyl-d14	244	9.419	9.427	-0.006	96	481052	968.7	
15 1,4-Dioxane	88	2.448	2.368	0.080	1	2344	NC	
22 n-Decane	57	4.323	4.323	0.000	89	20008	138.7	
39 Benzoic acid	105	5.348	5.348	0.047	44	14976	433.5	Ma
68 Diethyl phthalate	149	7.266	7.266	0.000	87	33621	69.6	
84 Di-n-butyl phthalate	149	8.607	8.607	0.000	47	17180	15.7	
89 Pyrene	202	9.280	9.280	0.000	74	5045	4.38	
94 Butyl benzyl phthalate	149	9.836	9.836	0.000	54	13534	46.9	
98 Bis(2-ethylhexyl) phthalate	149	10.349	10.349	0.000	89	101247	234.5	
86 2,3-Dichlorobenzenamine	161	11.417	11.419	0.001	1	1063	NC	
87 2,4'-DDD	235	11.454	11.455	0.001	1	246	NC	
91 Nonylphenol	135	11.855	11.851	0.007	0	1749	NC	
92 2,4'-DDT	235	11.898	11.867	0.034	1	163	NC	
124 DFTPP								

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8270SIM_IS_00069 Amount Added: 10.00 Units: uL Run Reagent

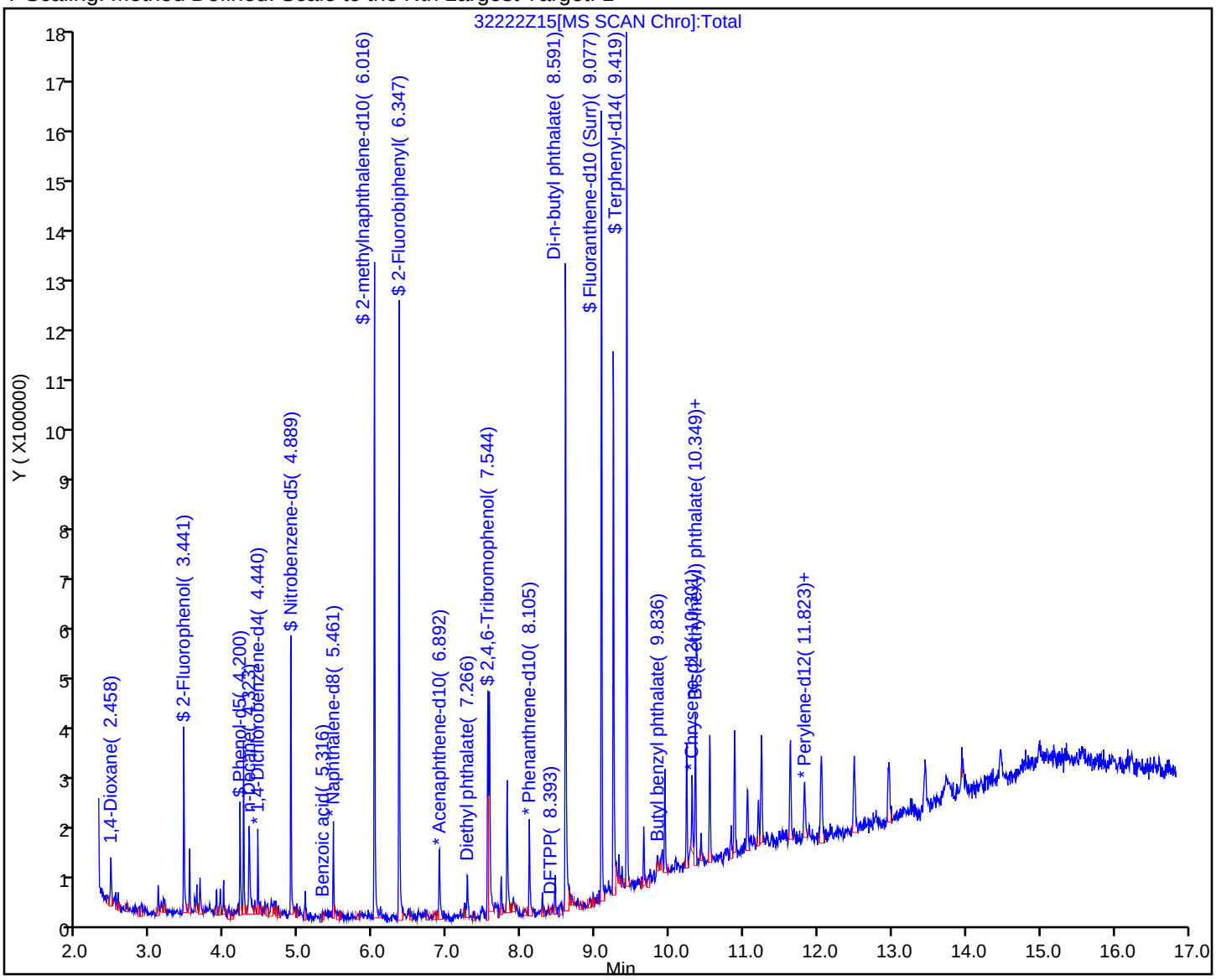
Report Date: 23-Mar-2022 10:56:44 Chrom Revision: 2.3 18-Mar-2022 09:07:22

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC051\20220322-81877.b\32222Z15.D

Injection Date:	22-Mar-2022 17:10:30	Instrument ID:	TAC051		
Lims ID:	580-111294-A-1-A	Lab Sample ID:	580-111294-1		
Client ID:	ERH2692 (OWDFMW01)				
Operator ID:	JCM	ALS Bottle#:	11	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270 TAC051	Limit Group:	8270D BNA QSM 5.0		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle
Recovery Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220322-81877.b\32222Z15.D
Lims ID: 580-111294-A-1-A
Client ID: ERH2692 (OWDFMW01)
Sample Type: Client
Inject. Date: 22-Mar-2022 17:10:30 ALS Bottle#: 11 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 580-111294-a-1-a
Operator ID: JCM Instrument ID: TAC051

Method: \\chromfs\Seattle\ChromData\TAC051\20220322-81877.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 23-Mar-2022 10:56:44 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1609

First Level Reviewer: thaneeratw Date: 23-Mar-2022 10:56:44

Compound	Amount Added	Amount Recovered	% Rec.
$ 7 2-Fluorophenol	1000.0	526.9	52.69
$ 8 Phenol-d5	1000.0	318.9	31.89
$ 9 Nitrobenzene-d5	1000.0	761.5	76.15
$ 11 2-Fluorobiphenyl	1000.0	693.2	69.32
$ 12 2,4,6-Tribromophenol	1000.0	692.4	69.24
$ 14 Terphenyl-d14	1000.0	968.7	96.87

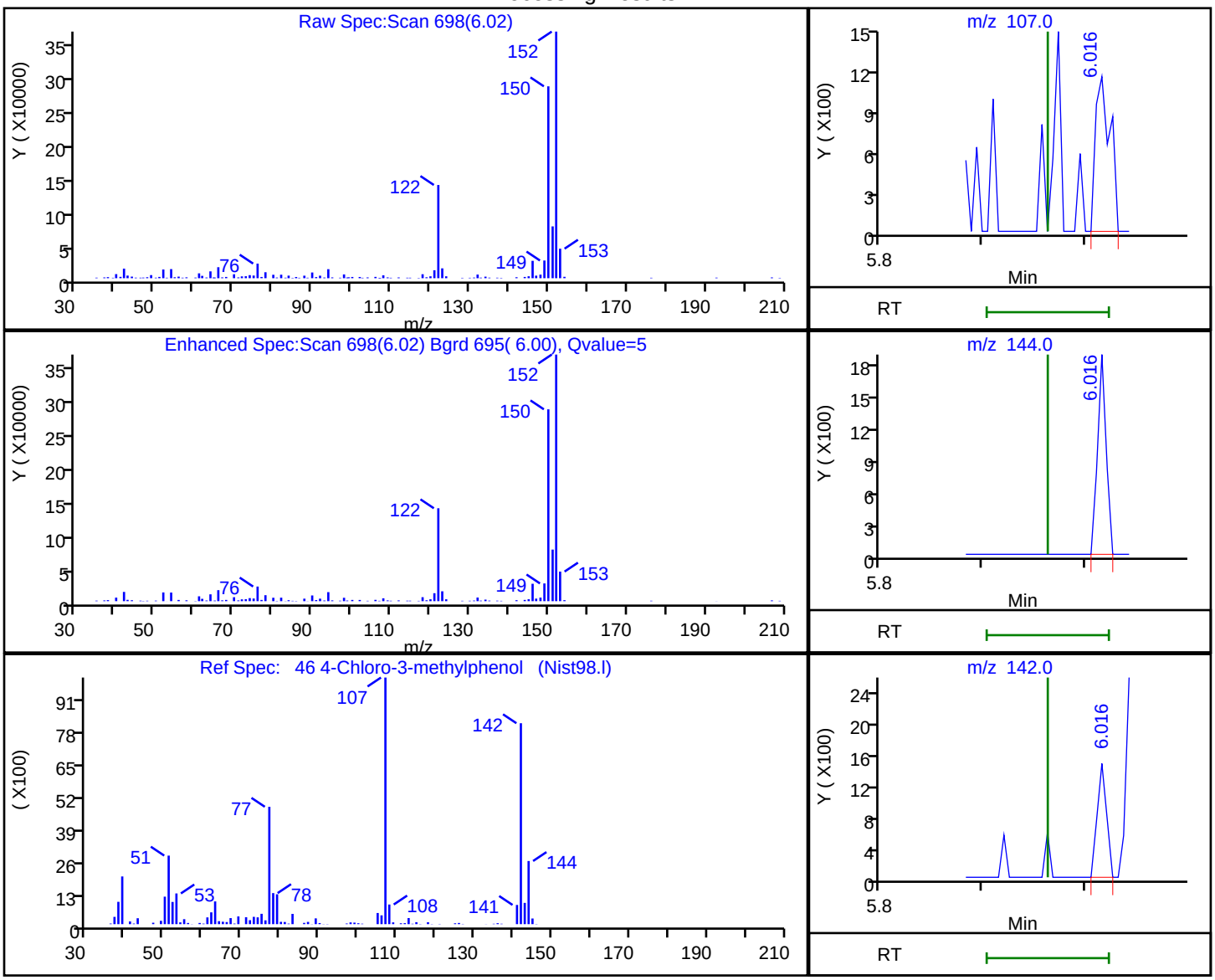
User Disabled Compound Report

Eurofins Seattle

Data File:	\\chromfs\Seattle\ChromData\TAC051\20220322-81877.b\32222Z15.D				
Injection Date:	22-Mar-2022 17:10:30	Instrument ID:	TAC051		
Lims ID:	580-111294-A-1-A	Lab Sample ID:	580-111294-1		
Client ID:	ERH2692 (OWDFMW01)				
Operator ID:	JCM	ALS Bottle#:	11	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270 TAC051	Limit Group:	8270D BNA QSM 5.0		
Column:		Detector	MS SCAN		

46 4-Chloro-3-methylphenol, CAS: 59-50-7

Processing Results



RT	Mass	Response	Amount
6.02	107.00	1094	44.794554
6.02	144.00	1098	
6.02	142.00	910	

Reviewer: thaneeratw, 23-Mar-2022 10:54:33

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

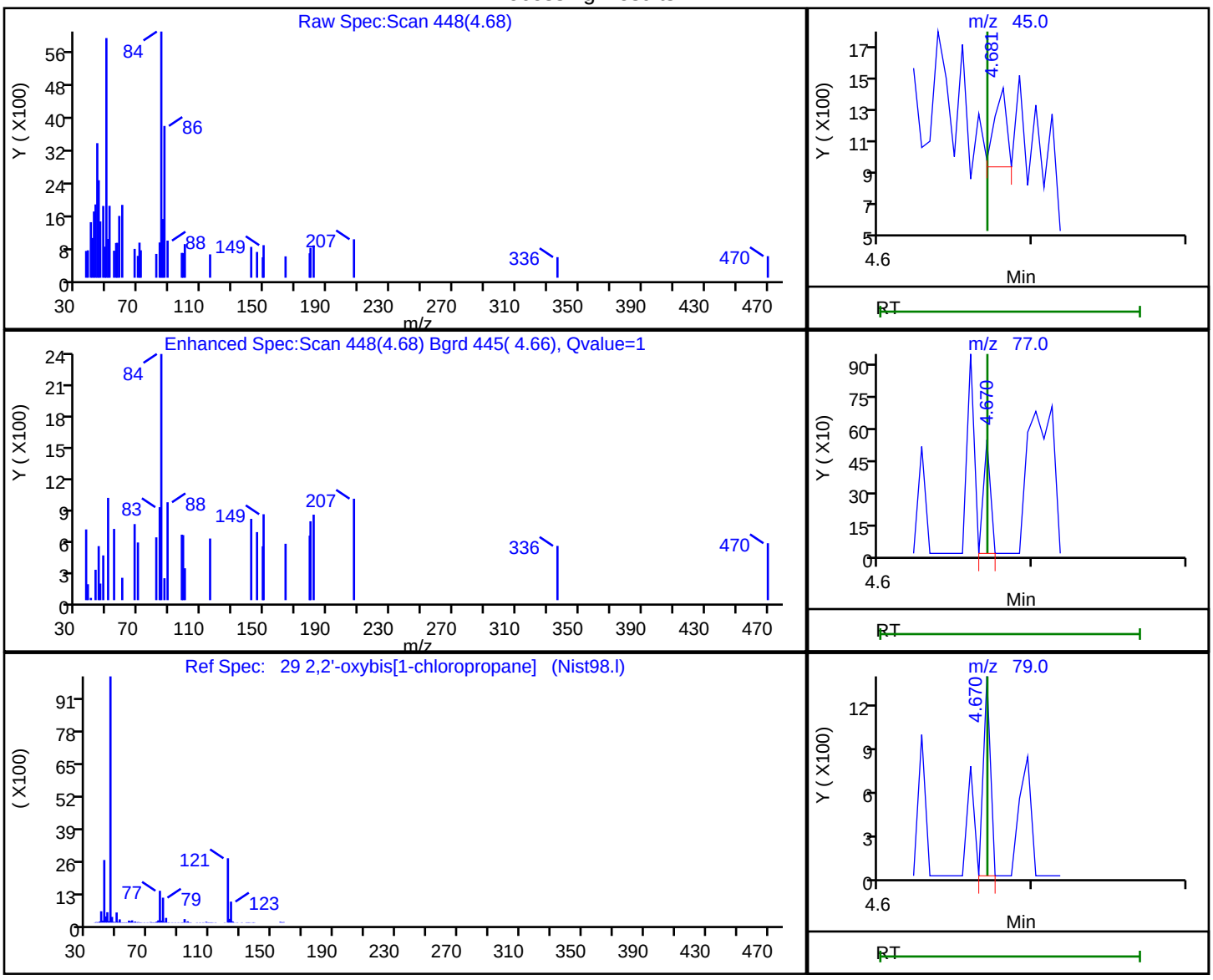
User Disabled Compound Report

Eurofins Seattle

Data File:	\\chromfs\Seattle\ChromData\TAC051\20220322-81877.b\32222Z15.D				
Injection Date:	22-Mar-2022 17:10:30	Instrument ID:	TAC051		
Lims ID:	580-111294-A-1-A	Lab Sample ID:	580-111294-1		
Client ID:	ERH2692 (OWDFMW01)				
Operator ID:	JCM	ALS Bottle#:	11	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270 TAC051	Limit Group:	8270D BNA QSM 5.0		
Column:		Detector	MS SCAN		

29 2,2'-oxybis[1-chloropropane], CAS: 108-60-1

Processing Results



RT	Mass	Response	Amount
4.68	45.00	262	1.477846
4.67	77.00	173	
4.67	79.00	418	

Reviewer: thaneeratw, 23-Mar-2022 10:53:53

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

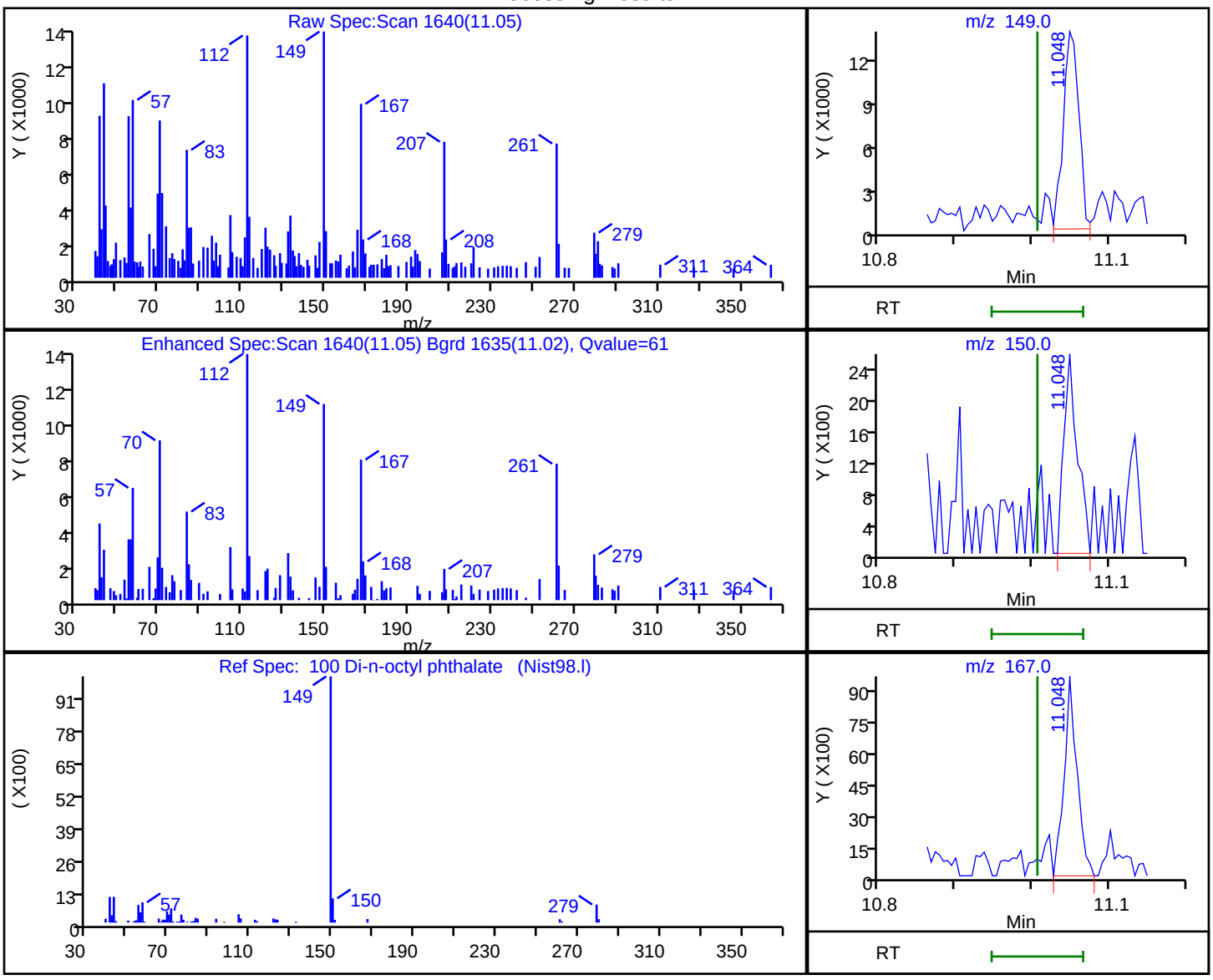
User Disabled Compound Report

Eurofins Seattle

Data File:	\\chromfs\Seattle\ChromData\TAC051\20220322-81877.b\32222Z15.D				
Injection Date:	22-Mar-2022 17:10:30	Instrument ID:	TAC051		
Lims ID:	580-111294-A-1-A	Lab Sample ID:	580-111294-1		
Client ID:	ERH2692 (OWDFMW01)				
Operator ID:	JCM	ALS Bottle#:	11	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270 TAC051	Limit Group:	8270D BNA QSM 5.0		
Column:		Detector	MS SCAN		

100 Di-n-octyl phthalate, CAS: 117-84-0

Processing Results



RT	Mass	Response	Amount
11.05	149.00	17981	21.996715
11.05	150.00	3204	
11.05	167.00	11343	

Reviewer: thaneeratw, 23-Mar-2022 10:55:40

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle | Job No.: 580-111294-1

SDG No.:

Client Sample ID: ERH2772 (Equipment Blank) | Lab Sample ID: 580-111294-2

Matrix: Water | Lab File ID: 32222A16.D

Analysis Method: 8270E | Date Collected: 03/10/2022 11:42

Extract. Method: 3510C | Date Extracted: 03/17/2022 11:35

Sample wt/vol: 1048.2(mL) | Date Analyzed: 03/22/2022 17:34

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 384725 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
120-82-1	1,2,4-Trichlorobenzene	0.29	U Q	0.38	0.29	0.086
95-50-1	1,2-Dichlorobenzene	0.14	U	0.38	0.14	0.048
541-73-1	1,3-Dichlorobenzene	0.086	U Q	0.38	0.086	0.038
106-46-7	1,4-Dichlorobenzene	0.086	U	0.38	0.086	0.038
95-95-4	2,4,5-Trichlorophenol	0.29	U Q	0.38	0.29	0.095
88-06-2	2,4,6-Trichlorophenol	0.29	U Q	0.57	0.29	0.095
120-83-2	2,4-Dichlorophenol	0.48	U	0.95	0.48	0.19
105-67-9	2,4-Dimethylphenol	0.48	U	3.8	0.48	0.15
51-28-5	2,4-Dinitrophenol	3.1	U Q	4.8	3.1	1.5
121-14-2	2,4-Dinitrotoluene	0.29	U	0.95	0.29	0.095
606-20-2	2,6-Dinitrotoluene	0.29	U	0.38	0.29	0.095
91-58-7	2-Chloronaphthalene	0.14	U	0.95	0.14	0.067
95-57-8	2-Chlorophenol	0.14	U	0.95	0.14	0.048
88-75-5	2-Nitrophenol	0.14	U	0.95	0.14	0.067
91-94-1	3,3'-Dichlorobenzidine	0.57	U	0.95	0.57	0.25
534-52-1	4,6-Dinitro-2-methylphenol	1.1	U Q	1.9	1.1	0.52
101-55-3	4-Bromophenyl phenyl ether	0.14	U	0.57	0.14	0.057
59-50-7	4-Chloro-3-methylphenol	0.29	U Q	0.57	0.29	0.12
7005-72-3	4-Chlorophenyl phenyl ether	0.14	U	0.57	0.14	0.048
100-02-7	4-Nitrophenol	5.7	U Q	9.5	5.7	1.6
103-33-3	Azobenzene	0.14	U	1.9	0.14	0.057
111-91-1	Bis(2-chloroethoxy)methane	0.14	U	0.57	0.14	0.048
111-44-4	Bis(2-chloroethyl)ether	0.086	U	0.095	0.086	0.029
117-81-7	Bis(2-ethylhexyl) phthalate	1.5	U	2.9	1.5	0.71
108-60-1	bis (2-chloroisopropyl) ether	0.14	U M Q	0.24	0.14	0.057
85-68-7	Butyl benzyl phthalate	0.57	U	3.8	0.57	0.26
84-66-2	Diethyl phthalate	0.29	U	0.95	0.29	0.14
131-11-3	Dimethyl phthalate	0.14	U	0.57	0.14	0.057
84-74-2	Di-n-butyl phthalate	0.48	U	2.9	0.48	0.18
117-84-0	Di-n-octyl phthalate	0.29	U M Q	0.95	0.29	0.12
118-74-1	Hexachlorobenzene	0.086	U	0.57	0.086	0.038
87-68-3	Hexachlorobutadiene	0.14	U Q	0.95	0.14	0.057
77-47-4	Hexachlorocyclopentadiene	0.29	U Q	0.95	0.29	0.13
67-72-1	Hexachloroethane	0.14	U Q	0.95	0.14	0.048

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle | Job No.: 580-111294-1

SDG No.:

Client Sample ID: ERH2772 (Equipment Blank) | Lab Sample ID: 580-111294-2

Matrix: Water | Lab File ID: 32222A16.D

Analysis Method: 8270E | Date Collected: 03/10/2022 11:42

Extract. Method: 3510C | Date Extracted: 03/17/2022 11:35

Sample wt/vol: 1048.2(mL) | Date Analyzed: 03/22/2022 17:34

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 384725 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
78-59-1	Isophorone	0.29	U	0.38	0.29	0.095
15831-10-4	m+p-Cresol	0.29	U Q	0.57	0.29	0.095
98-95-3	Nitrobenzene	0.086	U	0.95	0.086	0.038
62-75-9	N-Nitrosodimethylamine	0.57	U	1.9	0.57	0.25
621-64-7	N-Nitrosodi-n-propylamine	0.086	U	0.38	0.086	0.057
86-30-6	N-Nitrosodiphenylamine	0.14	U	0.95	0.14	0.067
95-48-7	o-Cresol	0.14	U	0.57	0.14	0.048
87-86-5	Pentachlorophenol	0.95	U Q	9.5	0.95	0.49
108-95-2	Phenol	0.57	U Q	0.95	0.57	0.34
129-00-0	Pyrene	0.086	U	0.95	0.086	0.038
110-86-1	Pyridine	3.1	U Q	9.5	3.1	1.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	31	M Q	43-140
321-60-8	2-Fluorobiphenyl	60		44-119
367-12-4	2-Fluorophenol (Surr)	38		19-119
4165-60-0	Nitrobenzene-d5 (Surr)	56		44-120
4165-62-2	Phenol-d5 (Surr)	22		10-120
1718-51-0	Terphenyl-d14	87		50-134

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220322-81877.b\32222A16.D
Lims ID: 580-111294-B-2-A
Client ID: ERH2772 (Equipment Blank)
Sample Type: Client
Inject. Date: 22-Mar-2022 17:34:30 ALS Bottle#: 12 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 580-111294-b-2-a
Operator ID: JCM Instrument ID: TAC051

Method: \\chromfs\Seattle\ChromData\TAC051\20220322-81877.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 23-Mar-2022 11:00:36 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1609

First Level Reviewer: thaneeratw Date: 23-Mar-2022 11:00:36

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.441	4.440	0.001	88	19336	100.0	
* 2 Naphthalene-d8	136	5.462	5.461	0.001	95	77641	100.0	
* 3 Acenaphthene-d10	164	6.888	6.887	0.001	79	36175	100.0	
* 4 Phenanthrene-d10	188	8.106	8.100	0.006	88	63539	100.0	
* 5 Chrysene-d12	240	10.302	10.295	0.007	89	52331	100.0	
* 6 Perylene-d12	264	11.824	11.818	0.006	85	63322	100.0	
$ 7 2-Fluorophenol	112	3.442	3.444	0.000	83	67507	379.0	
$ 8 Phenol-d5	99	4.201	4.195	0.006	97	44958	224.5	
$ 9 Nitrobenzene-d5	82	4.885	4.889	-0.004	90	102832	556.4	
$ 10 2-methylnaphthalene-d10	152	6.017	6.016	0.001	0	230800	NC	
$ 11 2-Fluorobiphenyl	172	6.348	6.348	0.000	98	286672	596.0	
$ 12 2,4,6-Tribromophenol	330	7.556	7.556	0.017	56	24419	312.0	M
$ 13 Fluoranthene-d10 (Surr)	212	9.078	9.077	0.001	0	484911	NC	
$ 14 Terphenyl-d14	244	9.420	9.427	-0.005	93	415086	872.2	
15 1,4-Dioxane	88	2.336	2.368	-0.032	28	2600	NC	
19 Phenol	94	4.212	4.208	0.007	70	8100	41.7	
22 n-Decane	57	4.318	4.323	-0.005	80	18568	121.6	
30 Acetophenone	105	4.773	4.772	0.000	76	6458	26.4	
68 Diethyl phthalate	149	7.273	7.266	0.007	80	30850	65.8	
83 Carbazole	167	8.320	8.308	0.012	8	1665	7.15	
84 Di-n-butyl phthalate	149	8.608	8.607	0.001	58	14278	13.3	
94 Butyl benzyl phthalate	149	9.837	9.836	0.001	33	8570	30.1	
98 Bis(2-ethylhexyl) phthalate	149	10.344	10.349	-0.005	90	90083	187.8	
86 2,3-Dichlorobenzenamine	161	11.407	11.419	-0.009	1	573	NC	
91 Nonylphenol	135	11.856	11.851	0.008	0	276	NC	
124 DFTPP								

QC Flag Legend

Processing Flags
NC - Not Calibrated

Review Flags
M - Manually Integrated

Reagents:

8270SIM_IS_00069 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 23-Mar-2022 11:00:36 Chrom Revision: 2.3 18-Mar-2022 09:07:22

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC051\20220322-81877.b\32222A16.D

Injection Date: 22-Mar-2022 17:34:30 Instrument ID: TAC051

Lims ID: 580-111294-B-2-A Lab Sample ID: 580-111294-2

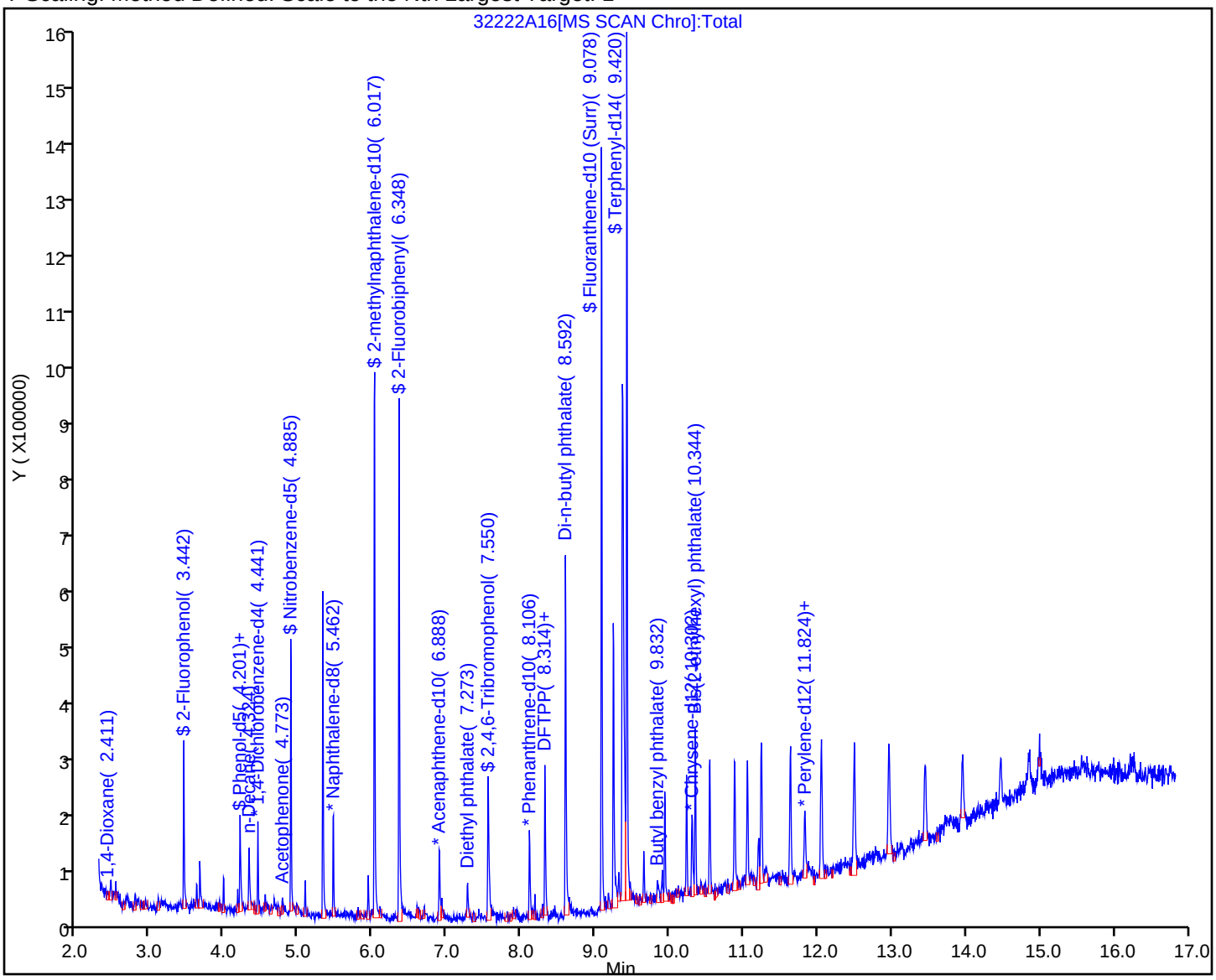
Client ID: ERH2772 (Equipment Blank)

Operator ID: JCM ALS Bottle#: 12 Worklist Smp#: 10

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle
Recovery Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220322-81877.b\32222A16.D
Lims ID: 580-111294-B-2-A
Client ID: ERH2772 (Equipment Blank)
Sample Type: Client
Inject. Date: 22-Mar-2022 17:34:30 ALS Bottle#: 12 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 580-111294-b-2-a
Operator ID: JCM Instrument ID: TAC051

Method: \\chromfs\Seattle\ChromData\TAC051\20220322-81877.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 23-Mar-2022 11:00:36 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1609

First Level Reviewer: thaneeratw Date: 23-Mar-2022 11:00:36

Compound	Amount Added	Amount Recovered	% Rec.
$ 7 2-Fluorophenol	1000.0	379.0	37.90
$ 8 Phenol-d5	1000.0	224.5	22.45
$ 9 Nitrobenzene-d5	1000.0	556.4	55.64
$ 11 2-Fluorobiphenyl	1000.0	596.0	59.60
$ 12 2,4,6-Tribromophenol	1000.0	312.0	31.20
$ 14 Terphenyl-d14	1000.0	872.2	87.22

Manual Integration/User Assign Peak Report

Eurofins Seattle

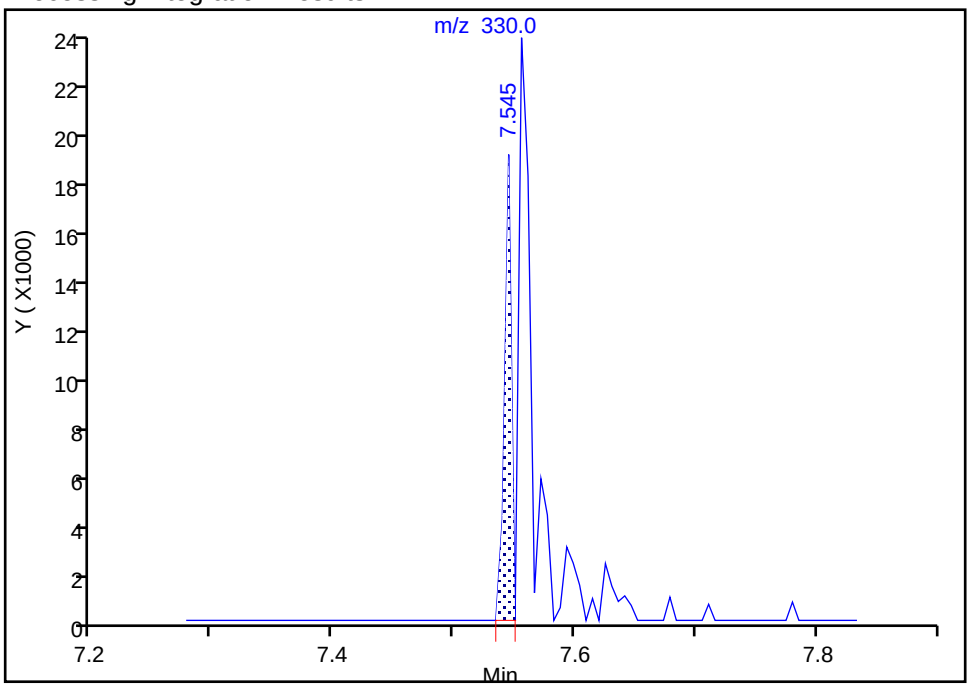
Data File:	\\chromfs\Seattle\ChromData\TAC051\20220322-81877.b\32222A16.D				
Injection Date:	22-Mar-2022 17:34:30	Instrument ID:	TAC051		
Lims ID:	580-111294-B-2-A	Lab Sample ID:	580-111294-2		
Client ID:	ERH2772 (Equipment Blank)				
Operator ID:	JCM	ALS Bottle#:	12	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270 TAC051	Limit Group:	8270D BNA QSM 5.0		
Column:		Detector	MS SCAN		

$ 12 2,4,6-Tribromophenol, CAS: 118-79-6

Signal: 1

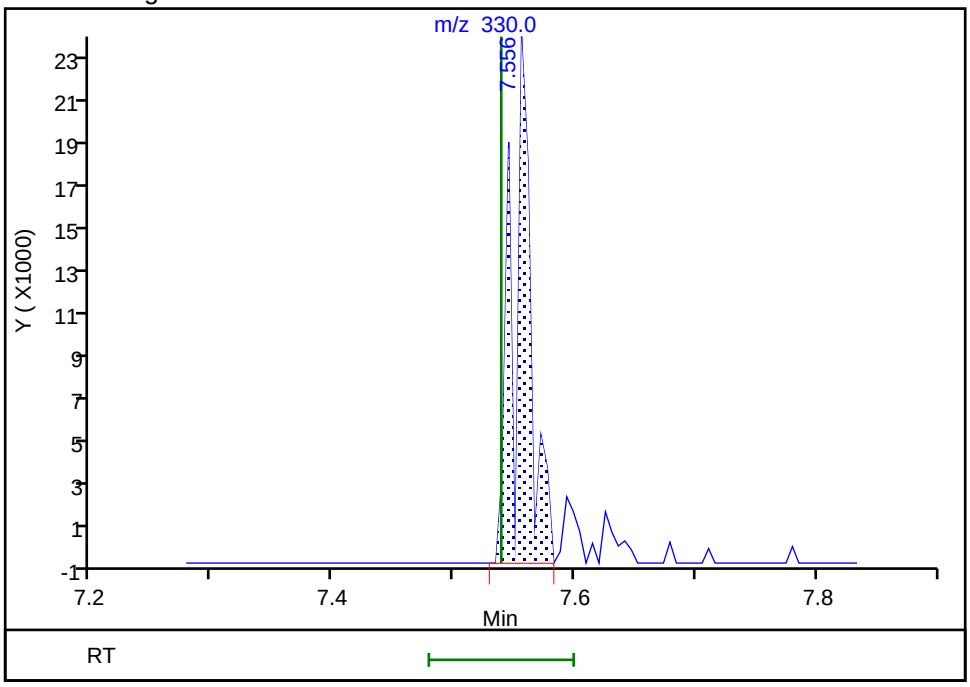
Processing Integration Results

RT: 7.55
Area: 7399
Amount: 121.8392
Amount Units: ug/L



Manual Integration Results

RT: 7.56
Area: 24419
Amount: 312.0280
Amount Units: ug/L



Reviewer: thaneeratw, 23-Mar-2022 10:57:06

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

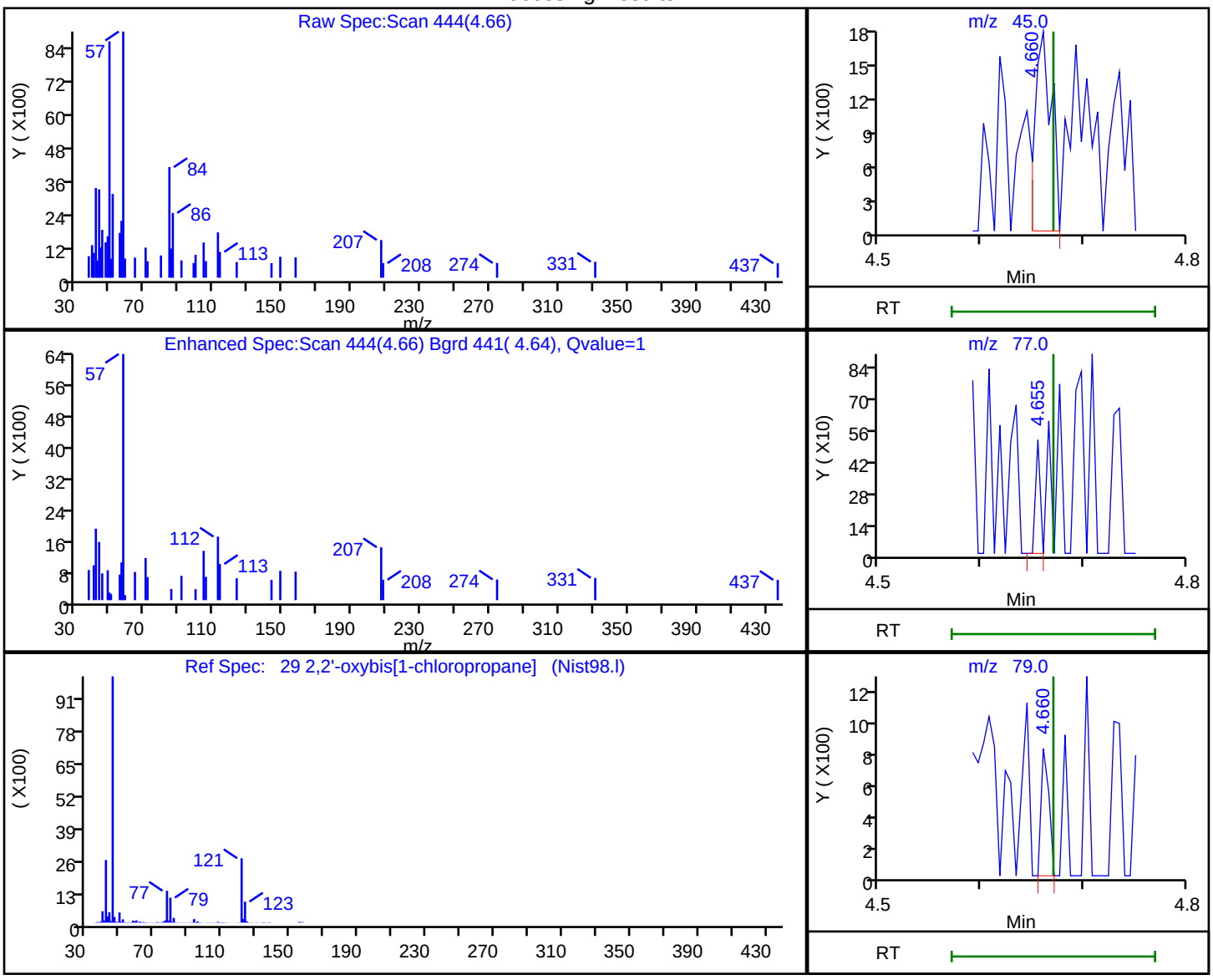
User Disabled Compound Report

Eurofins Seattle

Data File:	\\chromfs\Seattle\ChromData\TAC051\20220322-81877.b\32222A16.D				
Injection Date:	22-Mar-2022 17:34:30	Instrument ID:	TAC051		
Lims ID:	580-111294-B-2-A	Lab Sample ID:	580-111294-2		
Client ID:	ERH2772 (Equipment Blank)				
Operator ID:	JCM	ALS Bottle#:	12	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270 TAC051	Limit Group:	8270D BNA QSM 5.0		
Column:		Detector	MS SCAN		

29 2,2'-oxybis[1-chloropropane], CAS: 108-60-1

Processing Results



RT	Mass	Response	Amount
4.66	45.00	1924	10.254274
4.65	77.00	163	
4.66	79.00	428	

Reviewer: thaneeratw, 23-Mar-2022 10:57:30

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

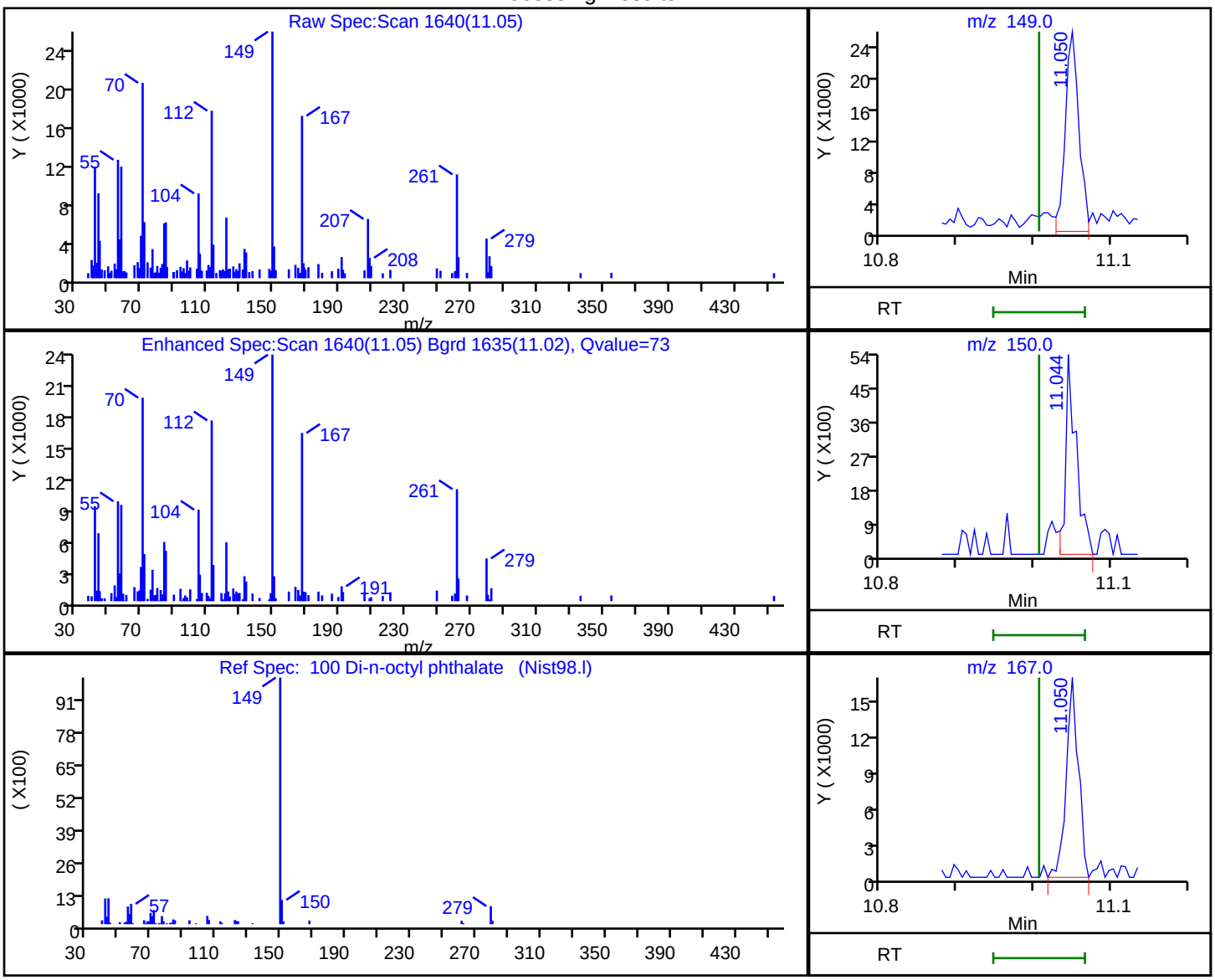
User Disabled Compound Report

Eurofins Seattle

Data File:	\\chromfs\Seattle\ChromData\TAC051\20220322-81877.b\32222A16.D				
Injection Date:	22-Mar-2022 17:34:30	Instrument ID:	TAC051		
Lims ID:	580-111294-B-2-A	Lab Sample ID:	580-111294-2		
Client ID:	ERH2772 (Equipment Blank)				
Operator ID:	JCM	ALS Bottle#:	12	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270 TAC051	Limit Group:	8270D BNA QSM 5.0		
Column:		Detector	MS SCAN		

100 Di-n-octyl phthalate, CAS: 117-84-0

Processing Results



RT	Mass	Response	Amount
11.05	149.00	31583	37.671803
11.04	150.00	5158	
11.05	167.00	18364	

Reviewer: thaneeratw, 23-Mar-2022 10:59:37

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle | Job No.: 580-111294-1

SDG No.:

Client Sample ID: ERH2743 (RHMW13-5) | Lab Sample ID: 580-111294-3

Matrix: Water | Lab File ID: 32222A17.D

Analysis Method: 8270E | Date Collected: 03/10/2022 09:15

Extract. Method: 3510C | Date Extracted: 03/17/2022 11:35

Sample wt/vol: 993.9(mL) | Date Analyzed: 03/22/2022 17:58

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 384725 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
120-82-1	1,2,4-Trichlorobenzene	0.30	U Q	0.40	0.30	0.091
95-50-1	1,2-Dichlorobenzene	0.15	U	0.40	0.15	0.050
541-73-1	1,3-Dichlorobenzene	0.091	U Q	0.40	0.091	0.040
106-46-7	1,4-Dichlorobenzene	0.091	U	0.40	0.091	0.040
95-95-4	2,4,5-Trichlorophenol	0.30	U	0.40	0.30	0.10
88-06-2	2,4,6-Trichlorophenol	0.30	U	0.60	0.30	0.10
120-83-2	2,4-Dichlorophenol	0.50	U	1.0	0.50	0.20
105-67-9	2,4-Dimethylphenol	0.50	U	4.0	0.50	0.16
51-28-5	2,4-Dinitrophenol	3.2	U	5.0	3.2	1.6
121-14-2	2,4-Dinitrotoluene	0.30	U	1.0	0.30	0.10
606-20-2	2,6-Dinitrotoluene	0.30	U	0.40	0.30	0.10
91-58-7	2-Chloronaphthalene	0.15	U	1.0	0.15	0.070
95-57-8	2-Chlorophenol	0.15	U	1.0	0.15	0.050
88-75-5	2-Nitrophenol	0.15	U	1.0	0.15	0.070
91-94-1	3,3'-Dichlorobenzidine	0.60	U	1.0	0.60	0.26
534-52-1	4,6-Dinitro-2-methylphenol	1.2	U	2.0	1.2	0.55
101-55-3	4-Bromophenyl phenyl ether	0.15	U	0.60	0.15	0.060
59-50-7	4-Chloro-3-methylphenol	0.30	U M	0.60	0.30	0.13
7005-72-3	4-Chlorophenyl phenyl ether	0.15	U	0.60	0.15	0.050
100-02-7	4-Nitrophenol	6.0	U	10	6.0	1.7
103-33-3	Azobenzene	0.15	U M	2.0	0.15	0.060
111-91-1	Bis(2-chloroethoxy)methane	0.15	U	0.60	0.15	0.050
111-44-4	Bis(2-chloroethyl)ether	0.091	U	0.10	0.091	0.030
117-81-7	Bis(2-ethylhexyl) phthalate	1.6	U	3.0	1.6	0.74
108-60-1	bis (2-chloroisopropyl) ether	0.15	U M Q	0.25	0.15	0.060
85-68-7	Butyl benzyl phthalate	0.60	U	4.0	0.60	0.27
84-66-2	Diethyl phthalate	0.30	U	1.0	0.30	0.15
131-11-3	Dimethyl phthalate	0.15	U	0.60	0.15	0.060
84-74-2	Di-n-butyl phthalate	0.50	U	3.0	0.50	0.19
117-84-0	Di-n-octyl phthalate	0.30	U M Q	1.0	0.30	0.13
118-74-1	Hexachlorobenzene	0.091	U	0.60	0.091	0.040
87-68-3	Hexachlorobutadiene	0.15	U Q	1.0	0.15	0.060
77-47-4	Hexachlorocyclopentadiene	0.30	U Q	1.0	0.30	0.14
67-72-1	Hexachloroethane	0.15	U Q	1.0	0.15	0.050

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle | Job No.: 580-111294-1

SDG No.:

Client Sample ID: ERH2743 (RHMW13-5) | Lab Sample ID: 580-111294-3

Matrix: Water | Lab File ID: 32222A17.D

Analysis Method: 8270E | Date Collected: 03/10/2022 09:15

Extract. Method: 3510C | Date Extracted: 03/17/2022 11:35

Sample wt/vol: 993.9(mL) | Date Analyzed: 03/22/2022 17:58

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 384725 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
78-59-1	Isophorone	0.30	U	0.40	0.30	0.10
15831-10-4	m+p-Cresol	0.30	U Q	0.60	0.30	0.10
98-95-3	Nitrobenzene	0.091	U	1.0	0.091	0.040
62-75-9	N-Nitrosodimethylamine	0.60	U	2.0	0.60	0.26
621-64-7	N-Nitrosodi-n-propylamine	0.091	U	0.40	0.091	0.060
86-30-6	N-Nitrosodiphenylamine	0.15	U	1.0	0.15	0.070
95-48-7	o-Cresol	0.15	U	0.60	0.15	0.050
87-86-5	Pentachlorophenol	1.0	U	10	1.0	0.51
108-95-2	Phenol	0.60	U M Q	1.0	0.60	0.36
129-00-0	Pyrene	0.091	U	1.0	0.091	0.040
110-86-1	Pyridine	3.2	U Q	10	3.2	1.1

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	68		43-140
321-60-8	2-Fluorobiphenyl	59		44-119
367-12-4	2-Fluorophenol (Surr)	44		19-119
4165-60-0	Nitrobenzene-d5 (Surr)	70		44-120
4165-62-2	Phenol-d5 (Surr)	24		10-120
1718-51-0	Terphenyl-d14	95		50-134

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220322-81877.b\32222A17.D
Lims ID: 580-111294-B-3-A
Client ID: ERH2743 (RHMW13-5)
Sample Type: Client
Inject. Date: 22-Mar-2022 17:58:30 ALS Bottle#: 13 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 580-111294-b-3-a
Operator ID: JCM Instrument ID: TAC051

Method: \\chromfs\Seattle\ChromData\TAC051\20220322-81877.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 23-Mar-2022 11:05:10 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1609

First Level Reviewer: thaneeratw Date: 23-Mar-2022 11:05:10

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.441	4.440	0.001	86	20621	100.0	
* 2 Naphthalene-d8	136	5.462	5.461	0.001	95	71447	100.0	
* 3 Acenaphthene-d10	164	6.888	6.887	0.001	73	40565	100.0	
* 4 Phenanthrene-d10	188	8.106	8.100	0.006	91	62909	100.0	
* 5 Chrysene-d12	240	10.301	10.295	0.006	88	50375	100.0	
* 6 Perylene-d12	264	11.824	11.818	0.006	86	63886	100.0	
$ 7 2-Fluorophenol	112	3.442	3.444	0.000	86	84319	443.0	
$ 8 Phenol-d5	99	4.201	4.195	0.006	98	51203	239.8	
$ 9 Nitrobenzene-d5	82	4.885	4.889	-0.004	87	118275	695.5	
$ 10 2-methylnaphthalene-d10	152	6.017	6.016	0.001	0	270295	NC	
$ 11 2-Fluorobiphenyl	172	6.348	6.348	0.000	98	318703	590.9	
$ 12 2,4,6-Tribromophenol	330	7.545	7.556	0.006	79	56655	678.6	
$ 13 Fluoranthene-d10 (Surr)	212	9.078	9.077	0.001	0	542832	NC	
$ 14 Terphenyl-d14	244	9.420	9.427	-0.005	96	447166	949.1	
15 1,4-Dioxane	88	2.449	2.368	0.081	1	658	NC	
22 n-Decane	57	4.324	4.323	0.001	86	20195	124.0	
68 Diethyl phthalate	149	7.267	7.266	0.001	64	17160	32.6	
84 Di-n-butyl phthalate	149	8.608	8.607	0.001	85	18423	18.0	
94 Butyl benzyl phthalate	149	9.837	9.836	0.001	54	8510	30.8	
98 Bis(2-ethylhexyl) phthalate	149	10.344	10.349	-0.005	89	130045	281.4	
86 2,3-Dichlorobenzenamine	161	11.407	11.419	-0.009	1	265	NC	
91 Nonylphenol	135	11.835	11.851	-0.013	0	227	NC	
124 DFTPP								

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

8270SIM_IS_00069 Amount Added: 10.00 Units: uL Run Reagent

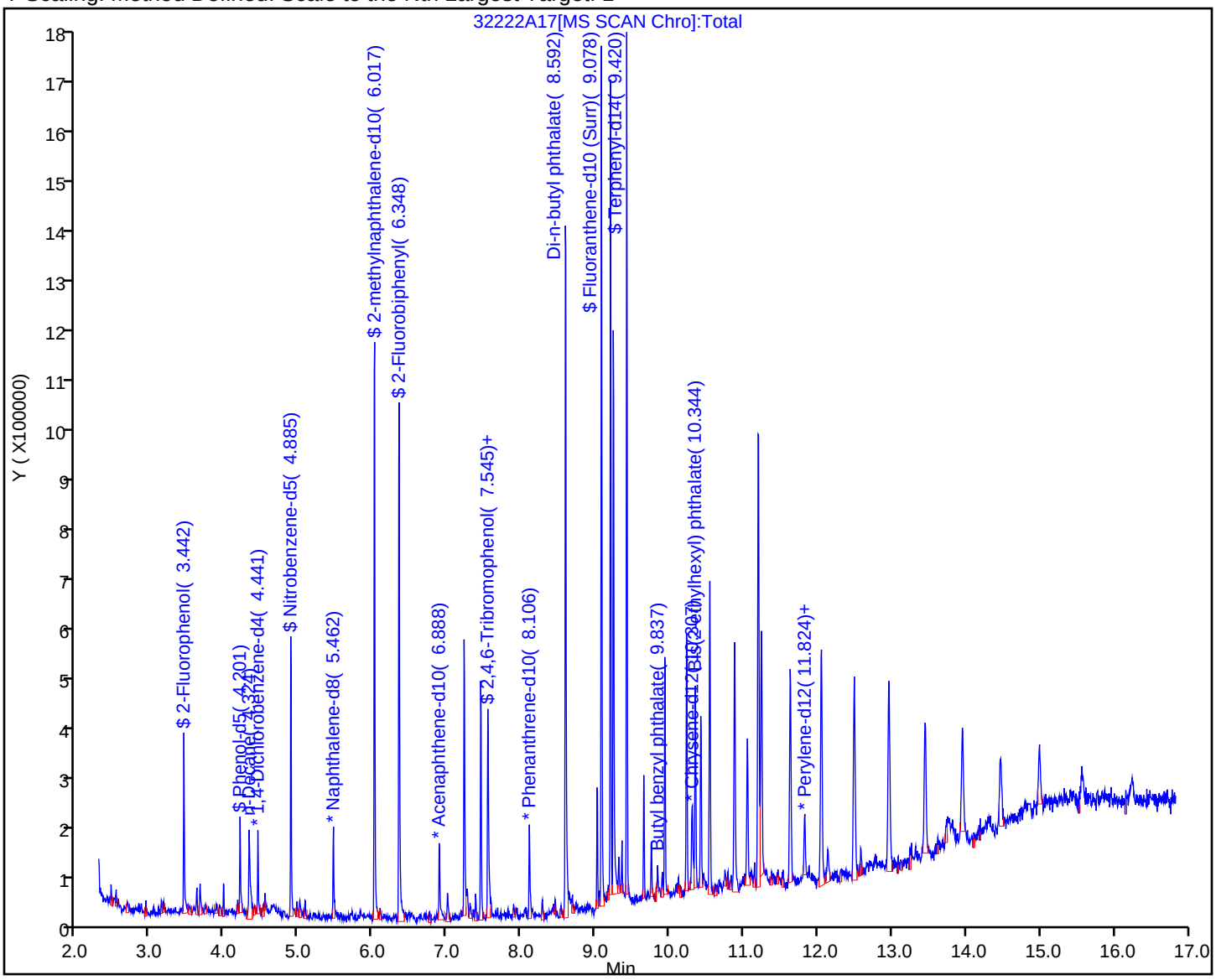
Report Date: 23-Mar-2022 11:05:11 Chrom Revision: 2.3 18-Mar-2022 09:07:22

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC051\20220322-81877.b\32222A17.D

Injection Date:	22-Mar-2022 17:58:30	Instrument ID:	TAC051		
Lims ID:	580-111294-B-3-A	Lab Sample ID:	580-111294-3		
Client ID:	ERH2743 (RHMW13-5)				
Operator ID:	JCM	ALS Bottle#:	13	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270 TAC051	Limit Group:	8270D BNA QSM 5.0		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle
Recovery Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220322-81877.b\32222A17.D
Lims ID: 580-111294-B-3-A
Client ID: ERH2743 (RHMW13-5)
Sample Type: Client
Inject. Date: 22-Mar-2022 17:58:30 ALS Bottle#: 13 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 580-111294-b-3-a
Operator ID: JCM Instrument ID: TAC051

Method: \\chromfs\Seattle\ChromData\TAC051\20220322-81877.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 23-Mar-2022 11:05:10 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1609

First Level Reviewer: thaneeratw Date: 23-Mar-2022 11:05:10

Compound	Amount Added	Amount Recovered	% Rec.
$ 7 2-Fluorophenol	1000.0	443.0	44.30
$ 8 Phenol-d5	1000.0	239.8	23.98
$ 9 Nitrobenzene-d5	1000.0	695.5	69.55
$ 11 2-Fluorobiphenyl	1000.0	590.9	59.09
$ 12 2,4,6-Tribromophenol	1000.0	678.6	67.86
$ 14 Terphenyl-d14	1000.0	949.1	94.91

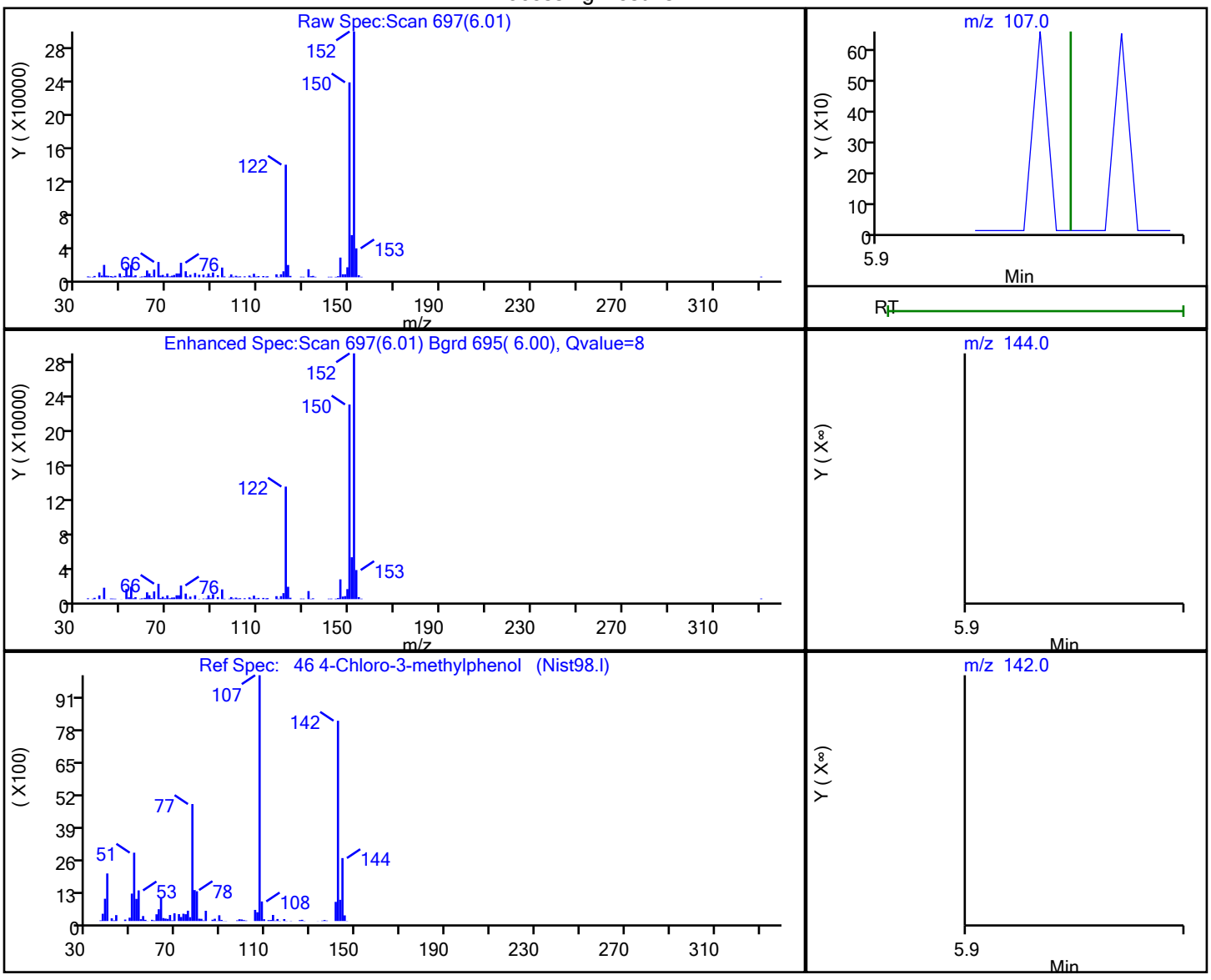
User Disabled Compound Report

Eurofins Seattle

Data File:	\\chromfs\Seattle\ChromData\TAC051\20220322-81877.b\32222A17.D				
Injection Date:	22-Mar-2022 17:58:30	Instrument ID:	TAC051		
Lims ID:	580-111294-B-3-A	Lab Sample ID:	580-111294-3		
Client ID:	ERH2743 (RHMW13-5)				
Operator ID:	JCM	ALS Bottle#:	13	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270 TAC051	Limit Group:	8270D BNA QSM 5.0		
Column:		Detector	MS SCAN		

46 4-Chloro-3-methylphenol, CAS: 59-50-7

Processing Results



RT	Mass	Response	Amount
6.01	107.00	190	38.685200
6.02	144.00	636	
6.02	142.00	987	

Reviewer: thaneeratw, 23-Mar-2022 11:03:36

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

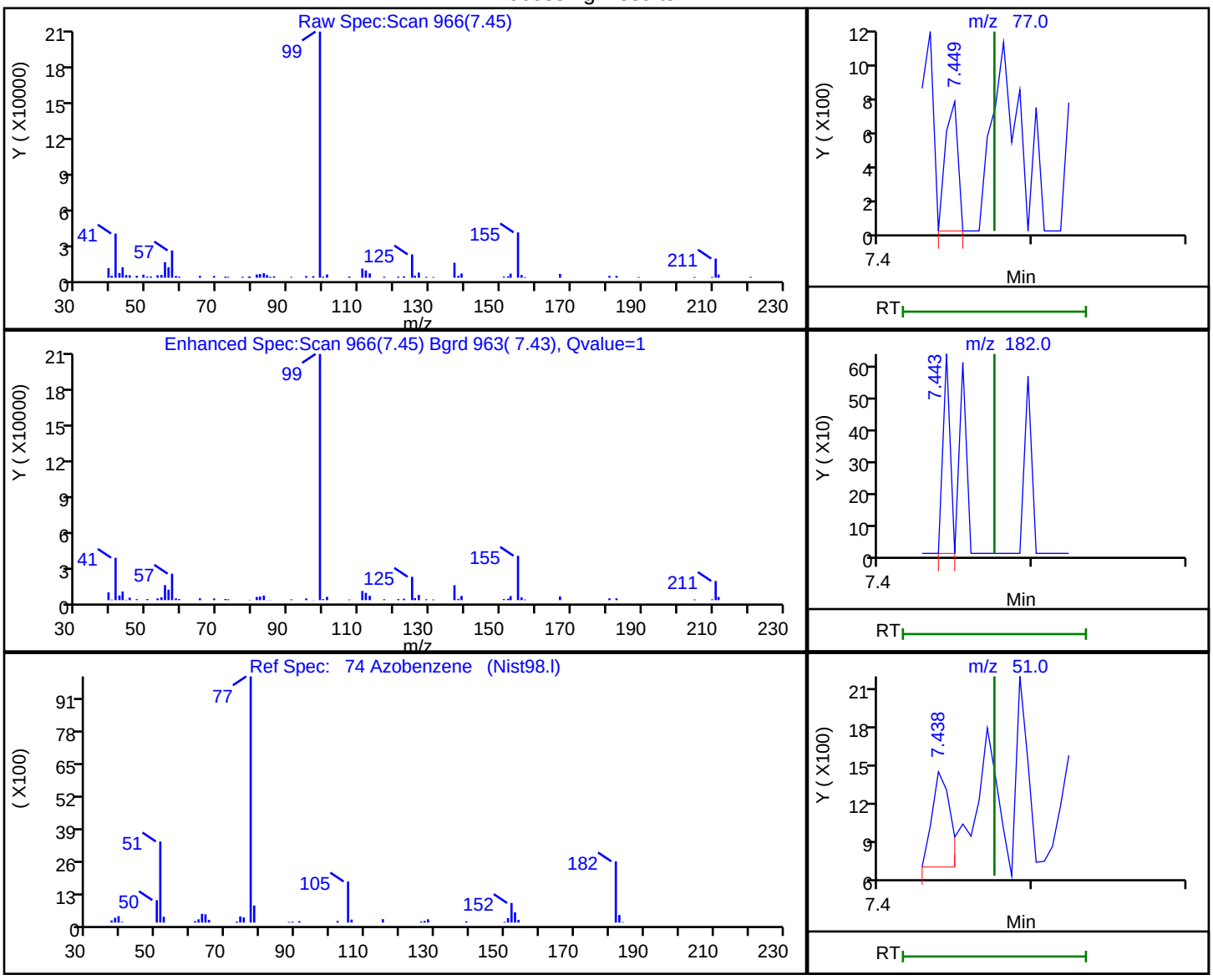
User Disabled Compound Report

Eurofins Seattle

Data File:	\\chromfs\Seattle\ChromData\TAC051\20220322-81877.b\32222A17.D				
Injection Date:	22-Mar-2022 17:58:30	Instrument ID:	TAC051		
Lims ID:	580-111294-B-3-A	Lab Sample ID:	580-111294-3		
Client ID:	ERH2743 (RHMW13-5)				
Operator ID:	JCM	ALS Bottle#:	13	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270 TAC051	Limit Group:	8270D BNA QSM 5.0		
Column:		Detector	MS SCAN		

74 Azobenzene, CAS: 103-33-3

Processing Results



RT	Mass	Response	Amount
7.45	77.00	424	5.035465
7.44	182.00	204	
7.44	51.00	594	

Reviewer: thaneeratw, 23-Mar-2022 11:04:04

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

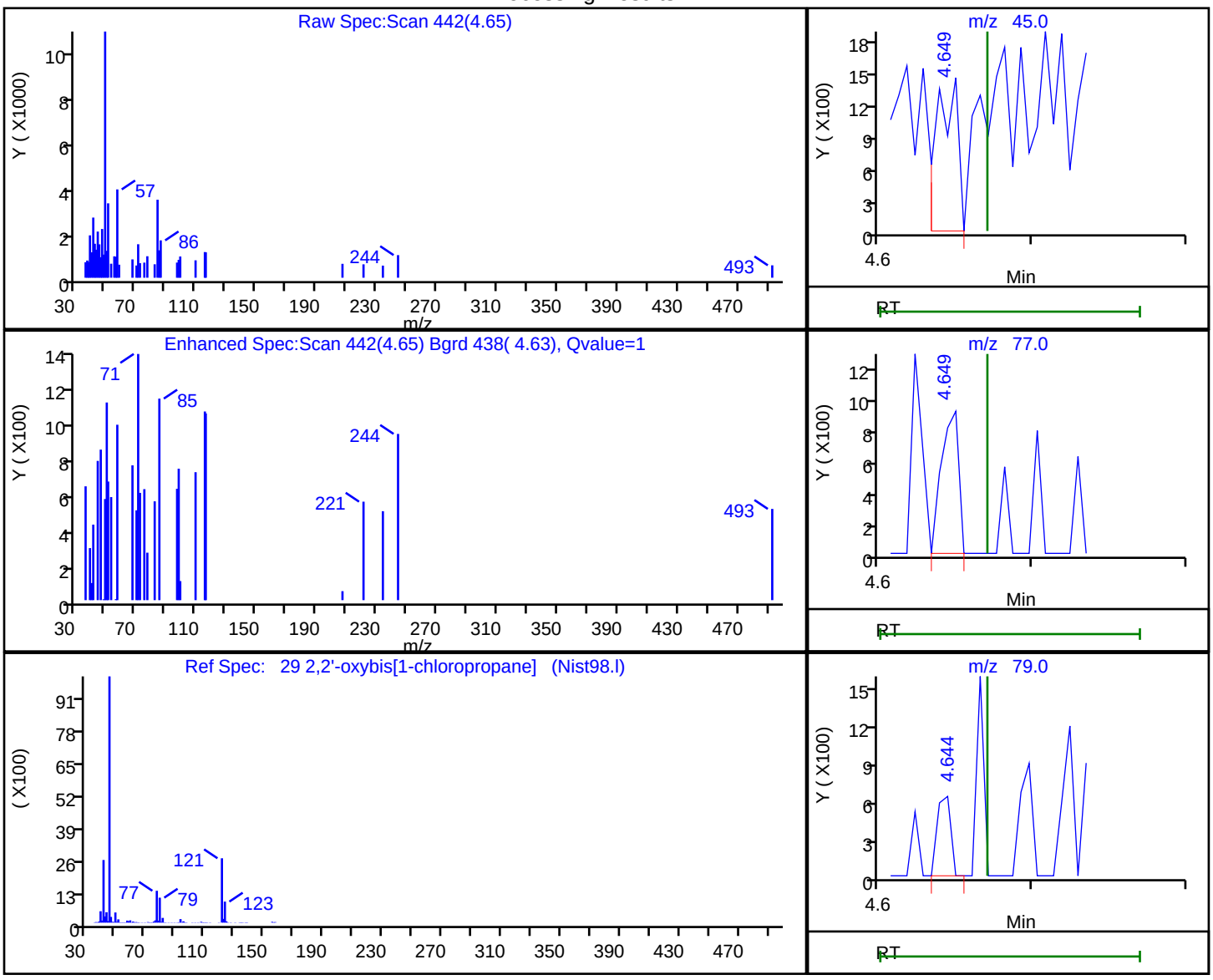
User Disabled Compound Report

Eurofins Seattle

Data File:	\\chromfs\Seattle\ChromData\TAC051\20220322-81877.b\32222A17.D				
Injection Date:	22-Mar-2022 17:58:30	Instrument ID:	TAC051		
Lims ID:	580-111294-B-3-A	Lab Sample ID:	580-111294-3		
Client ID:	ERH2743 (RHMW13-5)				
Operator ID:	JCM	ALS Bottle#:	13	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270 TAC051	Limit Group:	8270D BNA QSM 5.0		
Column:		Detector	MS SCAN		

29 2,2'-oxybis[1-chloropropane], CAS: 108-60-1

Processing Results



RT	Mass	Response	Amount
4.65	45.00	1328	6.636740
4.65	77.00	704	
4.64	79.00	385	

Reviewer: thaneeratw, 23-Mar-2022 11:03:10

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

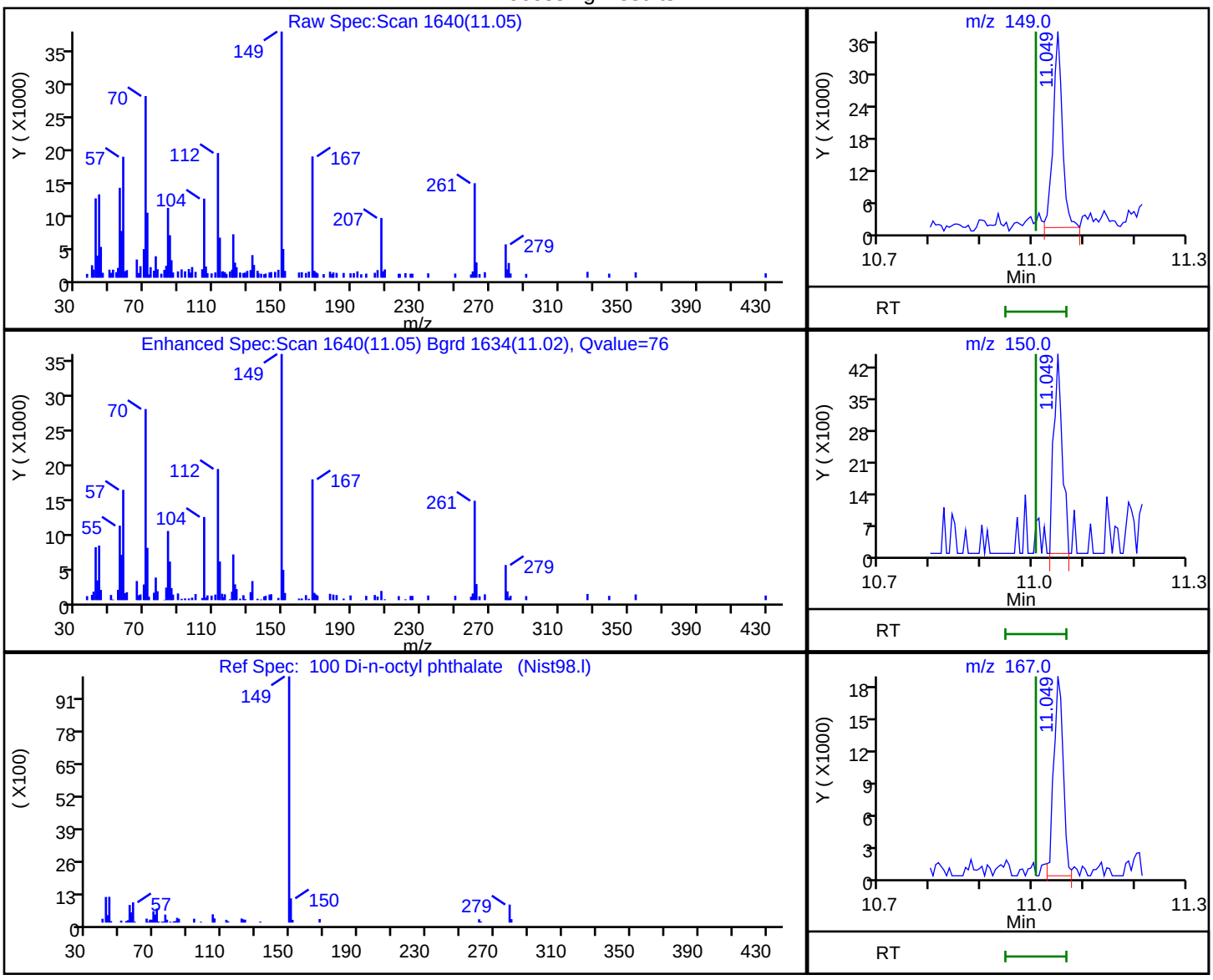
User Disabled Compound Report

Eurofins Seattle

Data File:	\\chromfs\Seattle\ChromData\TAC051\20220322-81877.b\32222A17.D				
Injection Date:	22-Mar-2022 17:58:30	Instrument ID:	TAC051		
Lims ID:	580-111294-B-3-A	Lab Sample ID:	580-111294-3		
Client ID:	ERH2743 (RHMW13-5)				
Operator ID:	JCM	ALS Bottle#:	13	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270 TAC051	Limit Group:	8270D BNA QSM 5.0		
Column:		Detector	MS SCAN		

100 Di-n-octyl phthalate, CAS: 117-84-0

Processing Results



RT	Mass	Response	Amount
11.05	149.00	46050	54.442943
11.05	150.00	5075	
11.05	167.00	23820	

Reviewer: thaneeratw, 23-Mar-2022 11:04:31

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

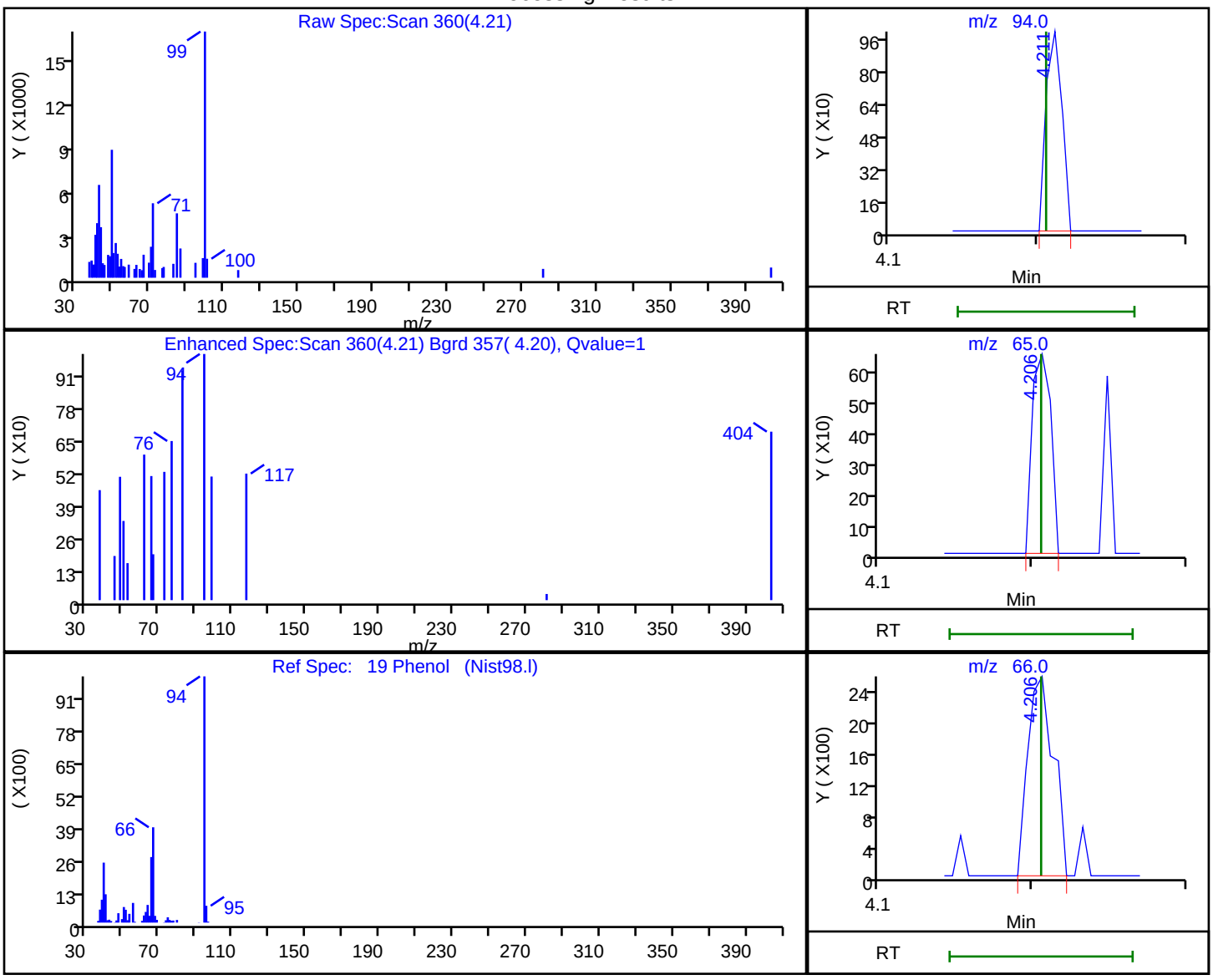
User Disabled Compound Report

Eurofins Seattle

Data File:	\\chromfs\Seattle\ChromData\TAC051\20220322-81877.b\32222A17.D				
Injection Date:	22-Mar-2022 17:58:30	Instrument ID:	TAC051		
Lims ID:	580-111294-B-3-A	Lab Sample ID:	580-111294-3		
Client ID:	ERH2743 (RHMW13-5)				
Operator ID:	JCM	ALS Bottle#:	13	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270 TAC051	Limit Group:	8270D BNA QSM 5.0		
Column:		Detector	MS SCAN		

19 Phenol, CAS: 108-95-2

Processing Results



RT	Mass	Response	Amount
4.21	94.00	749	3.616408
4.21	65.00	554	
4.21	66.00	2981	

Reviewer: thaneeratw, 23-Mar-2022 11:03:00

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle | Job No.: 580-111294-1

SDG No.:

Client Sample ID: ERH2744 (RHMW13-5) | Lab Sample ID: 580-111294-4

Matrix: Water | Lab File ID: 32222A18.D

Analysis Method: 8270E | Date Collected: 03/10/2022 12:44

Extract. Method: 3510C | Date Extracted: 03/17/2022 11:35

Sample wt/vol: 1043.5(mL) | Date Analyzed: 03/22/2022 18:22

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 384725 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
120-82-1	1,2,4-Trichlorobenzene	0.29	U Q	0.38	0.29	0.086
95-50-1	1,2-Dichlorobenzene	0.14	U	0.38	0.14	0.048
541-73-1	1,3-Dichlorobenzene	0.086	U Q	0.38	0.086	0.038
106-46-7	1,4-Dichlorobenzene	0.086	U	0.38	0.086	0.038
95-95-4	2,4,5-Trichlorophenol	0.29	U	0.38	0.29	0.096
88-06-2	2,4,6-Trichlorophenol	0.29	U	0.57	0.29	0.096
120-83-2	2,4-Dichlorophenol	0.48	U	0.96	0.48	0.19
105-67-9	2,4-Dimethylphenol	0.48	U	3.8	0.48	0.15
51-28-5	2,4-Dinitrophenol	3.1	U	4.8	3.1	1.5
121-14-2	2,4-Dinitrotoluene	0.29	U	0.96	0.29	0.096
606-20-2	2,6-Dinitrotoluene	0.29	U	0.38	0.29	0.096
91-58-7	2-Chloronaphthalene	0.14	U	0.96	0.14	0.067
95-57-8	2-Chlorophenol	0.14	U	0.96	0.14	0.048
88-75-5	2-Nitrophenol	0.14	U	0.96	0.14	0.067
91-94-1	3,3'-Dichlorobenzidine	0.57	U	0.96	0.57	0.25
534-52-1	4,6-Dinitro-2-methylphenol	1.1	U	1.9	1.1	0.53
101-55-3	4-Bromophenyl phenyl ether	0.14	U	0.57	0.14	0.057
59-50-7	4-Chloro-3-methylphenol	0.29	U	0.57	0.29	0.12
7005-72-3	4-Chlorophenyl phenyl ether	0.14	U	0.57	0.14	0.048
100-02-7	4-Nitrophenol	5.7	U	9.6	5.7	1.6
103-33-3	Azobenzene	0.14	U	1.9	0.14	0.057
111-91-1	Bis(2-chloroethoxy)methane	0.27	J	0.57	0.14	0.048
111-44-4	Bis(2-chloroethyl)ether	0.086	U	0.096	0.086	0.029
117-81-7	Bis(2-ethylhexyl) phthalate	1.5	U	2.9	1.5	0.71
108-60-1	bis (2-chloroisopropyl) ether	0.14	U M Q	0.24	0.14	0.057
85-68-7	Butyl benzyl phthalate	0.57	U	3.8	0.57	0.26
84-66-2	Diethyl phthalate	0.29	U	0.96	0.29	0.14
131-11-3	Dimethyl phthalate	0.14	U	0.57	0.14	0.057
84-74-2	Di-n-butyl phthalate	0.48	U	2.9	0.48	0.18
117-84-0	Di-n-octyl phthalate	0.29	U M Q	0.96	0.29	0.12
118-74-1	Hexachlorobenzene	0.086	U	0.57	0.086	0.038
87-68-3	Hexachlorobutadiene	0.14	U Q	0.96	0.14	0.057
77-47-4	Hexachlorocyclopentadiene	0.29	U Q	0.96	0.29	0.13
67-72-1	Hexachloroethane	0.14	U Q	0.96	0.14	0.048

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle | Job No.: 580-111294-1

SDG No.:

Client Sample ID: ERH2744 (RHMW13-5) | Lab Sample ID: 580-111294-4

Matrix: Water | Lab File ID: 32222A18.D

Analysis Method: 8270E | Date Collected: 03/10/2022 12:44

Extract. Method: 3510C | Date Extracted: 03/17/2022 11:35

Sample wt/vol: 1043.5(mL) | Date Analyzed: 03/22/2022 18:22

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 384725 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
78-59-1	Isophorone	0.29	U	0.38	0.29	0.096
15831-10-4	m+p-Cresol	0.29	U Q	0.57	0.29	0.096
98-95-3	Nitrobenzene	0.086	U	0.96	0.086	0.038
62-75-9	N-Nitrosodimethylamine	0.57	U	1.9	0.57	0.25
621-64-7	N-Nitrosodi-n-propylamine	0.086	U	0.38	0.086	0.057
86-30-6	N-Nitrosodiphenylamine	0.14	U	0.96	0.14	0.067
95-48-7	o-Cresol	0.14	U	0.57	0.14	0.048
87-86-5	Pentachlorophenol	0.96	U	9.6	0.96	0.49
108-95-2	Phenol	0.57	U Q	0.96	0.57	0.34
129-00-0	Pyrene	0.086	U	0.96	0.086	0.038
110-86-1	Pyridine	3.1	U Q	9.6	3.1	1.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	44		43-140
321-60-8	2-Fluorobiphenyl	62		44-119
367-12-4	2-Fluorophenol (Surr)	39		19-119
4165-60-0	Nitrobenzene-d5 (Surr)	62		44-120
4165-62-2	Phenol-d5 (Surr)	22		10-120
1718-51-0	Terphenyl-d14	91		50-134

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220322-81877.b\32222A18.D
Lims ID: 580-111294-B-4-A
Client ID: ERH2744 (RHMW13-5)
Sample Type: Client
Inject. Date: 22-Mar-2022 18:22:30 ALS Bottle#: 14 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 580-111294-b-4-a
Operator ID: JCM Instrument ID: TAC051

Method: \\chromfs\Seattle\ChromData\TAC051\20220322-81877.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 23-Mar-2022 11:15:50 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1609

First Level Reviewer: thaneeratw Date: 23-Mar-2022 11:15:50

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.441	4.440	0.001	92	18636	100.0	
* 2 Naphthalene-d8	136	5.461	5.461	0.000	96	72158	100.0	
* 3 Acenaphthene-d10	164	6.893	6.887	0.006	78	36306	100.0	
* 4 Phenanthrene-d10	188	8.105	8.100	0.005	92	63327	100.0	
* 5 Chrysene-d12	240	10.301	10.295	0.006	81	46471	100.0	
* 6 Perylene-d12	264	11.823	11.818	0.005	90	56053	100.0	
$ 7 2-Fluorophenol	112	3.442	3.444	0.000	83	66393	386.6	
$ 8 Phenol-d5	99	4.200	4.195	0.005	95	43378	224.7	
$ 9 Nitrobenzene-d5	82	4.889	4.889	0.000	88	106573	620.5	
$ 10 2-methylnaphthalene-d10	152	6.016	6.016	0.000	0	248443	NC	
$ 11 2-Fluorobiphenyl	172	6.348	6.348	0.000	98	297774	616.8	
$ 12 2,4,6-Tribromophenol	330	7.550	7.556	0.011	66	35521	437.4	
$ 13 Fluoranthene-d10 (Surr)	212	9.078	9.077	0.001	0	524809	NC	
$ 14 Terphenyl-d14	244	9.419	9.427	-0.006	91	433628	914.3	
19 Phenol	94	4.211	4.208	0.006	61	9461	50.5	
22 n-Decane	57	4.323	4.323	0.000	87	18164	123.4	
30 Acetophenone	105	4.772	4.772	0.000	68	7205	30.5	
38 Bis(2-chloroethoxy)methane	93	5.317	5.285	0.032	24	23835	138.5	
68 Diethyl phthalate	149	7.267	7.266	0.001	47	13414	28.5	
84 Di-n-butyl phthalate	149	8.607	8.607	0.000	52	17604	17.0	
94 Butyl benzyl phthalate	149	9.836	9.836	0.000	43	6550	27.0	
98 Bis(2-ethylhexyl) phthalate	149	10.344	10.349	-0.005	90	95262	223.6	
86 2,3-Dichlorobenzenamine	161	11.433	11.419	0.017	1	511	NC	
91 Nonylphenol	135	11.871	11.851	0.023	0	1609	NC	
124 DFTPP								

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

8270SIM_IS_00069 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 23-Mar-2022 11:15:51 Chrom Revision: 2.3 18-Mar-2022 09:07:22

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC051\20220322-81877.b\32222A18.D

Injection Date: 22-Mar-2022 18:22:30 Instrument ID: TAC051

Lims ID: 580-111294-B-4-A Lab Sample ID: 580-111294-4

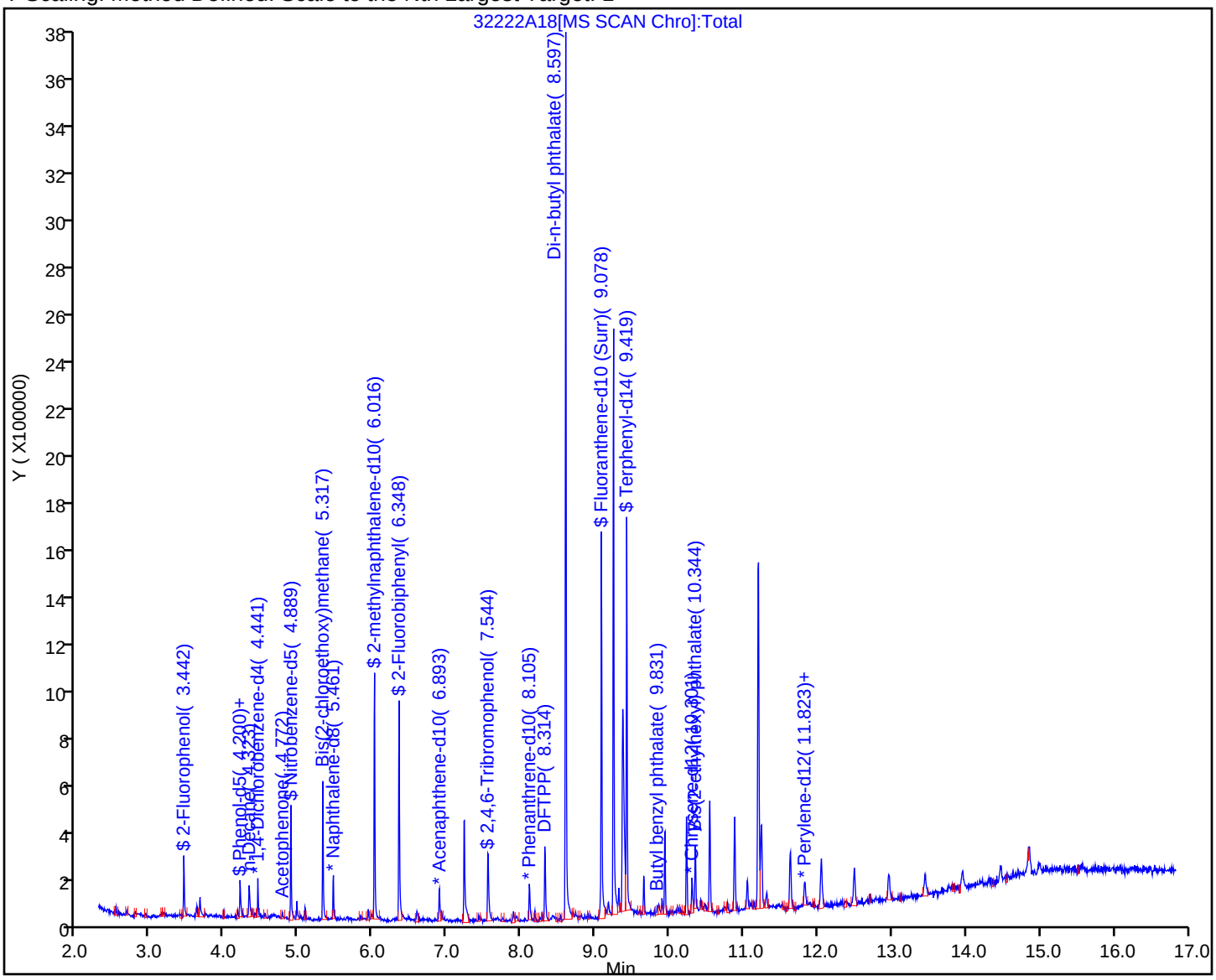
Client ID: ERH2744 (RHMW13-5)

Operator ID: JCM ALS Bottle#: 14 Worklist Smp#: 12

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle
Recovery Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220322-81877.b\32222A18.D
Lims ID: 580-111294-B-4-A
Client ID: ERH2744 (RHMW13-5)
Sample Type: Client
Inject. Date: 22-Mar-2022 18:22:30 ALS Bottle#: 14 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 580-111294-b-4-a
Operator ID: JCM Instrument ID: TAC051

Method: \\chromfs\Seattle\ChromData\TAC051\20220322-81877.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 23-Mar-2022 11:15:50 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1609

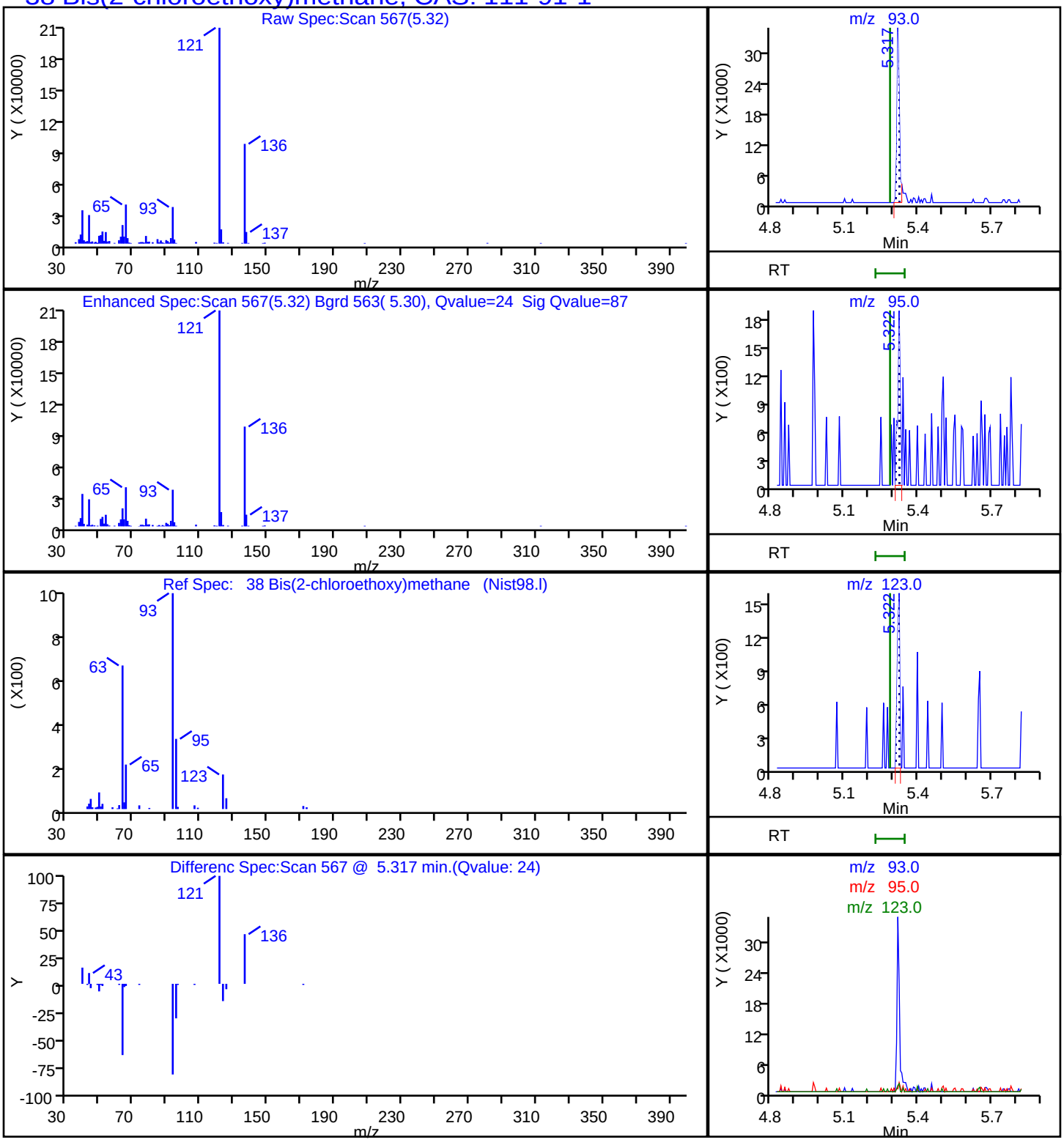
First Level Reviewer: thaneeratw Date: 23-Mar-2022 11:15:50

Compound	Amount Added	Amount Recovered	% Rec.
$ 7 2-Fluorophenol	1000.0	386.6	38.66
$ 8 Phenol-d5	1000.0	224.7	22.47
$ 9 Nitrobenzene-d5	1000.0	620.5	62.05
$ 11 2-Fluorobiphenyl	1000.0	616.8	61.68
$ 12 2,4,6-Tribromophenol	1000.0	437.4	43.74
$ 14 Terphenyl-d14	1000.0	914.3	91.43

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC051\20220322-81877.b\32222A18.D
Injection Date: 22-Mar-2022 18:22:30 Instrument ID: TAC051
Lims ID: 580-111294-B-4-A Lab Sample ID: 580-111294-4
Client ID: ERH2744 (RHMW13-5)
Operator ID: JCM ALS Bottle#: 14 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

38 Bis(2-chloroethoxy)methane, CAS: 111-91-1



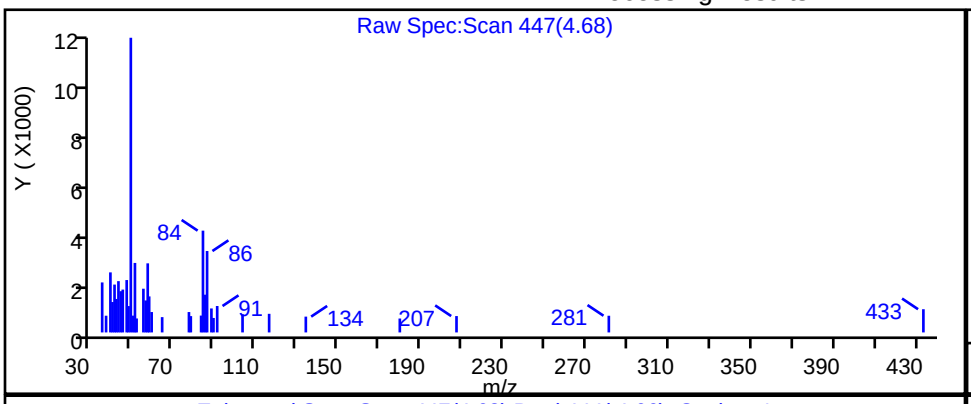
User Disabled Compound Report

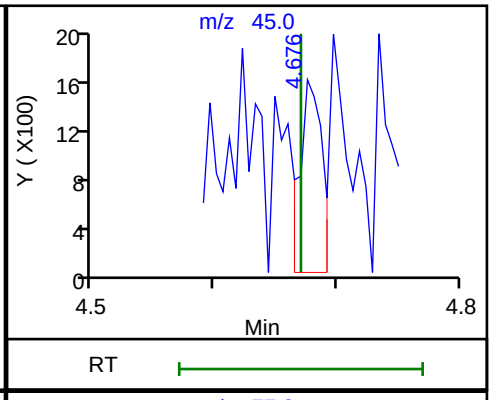
Eurofins Seattle

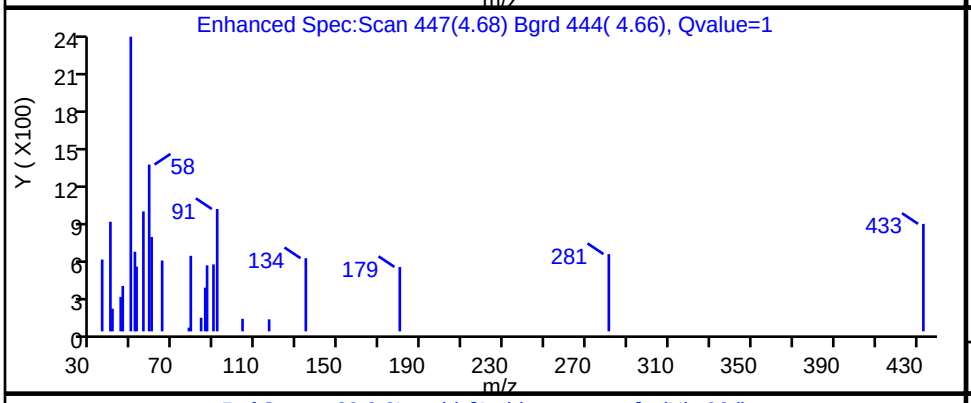
Data File:	\\chromfs\Seattle\ChromData\TAC051\20220322-81877.b\32222A18.D				
Injection Date:	22-Mar-2022 18:22:30	Instrument ID:	TAC051		
Lims ID:	580-111294-B-4-A	Lab Sample ID:	580-111294-4		
Client ID:	ERH2744 (RHMW13-5)				
Operator ID:	JCM	ALS Bottle#:	14	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270 TAC051	Limit Group:	8270D BNA QSM 5.0		
Column:		Detector	MS SCAN		

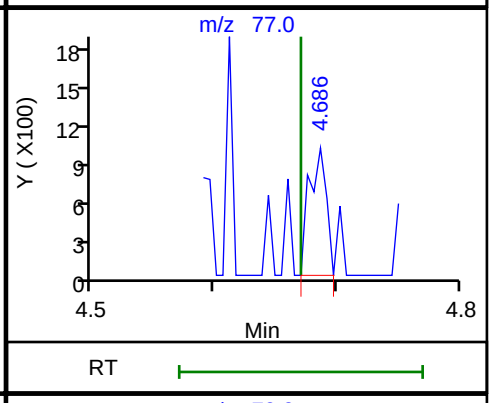
29 2,2'-oxybis[1-chloropropane], CAS: 108-60-1

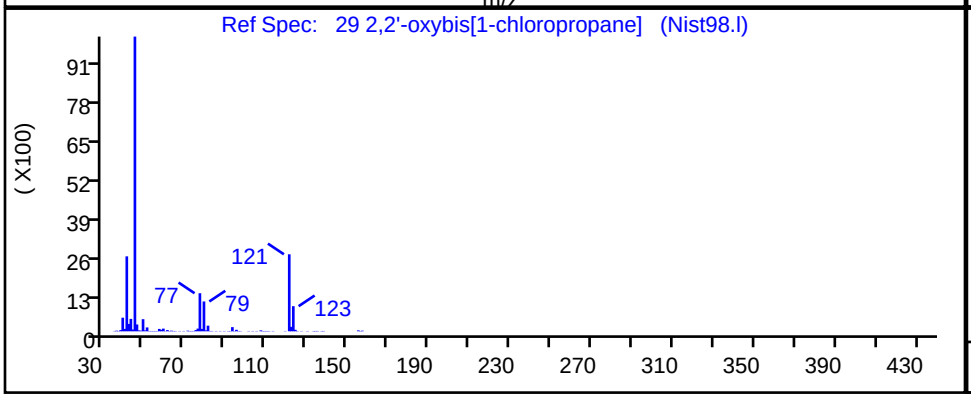
Processing Results

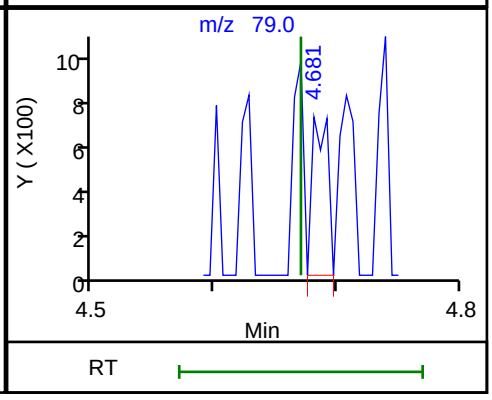












RT	Mass	Response	Amount
4.68	45.00	2077	11.485510
4.69	77.00	944	
4.68	79.00	604	

Reviewer: thaneeratw, 23-Mar-2022 11:12:35

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

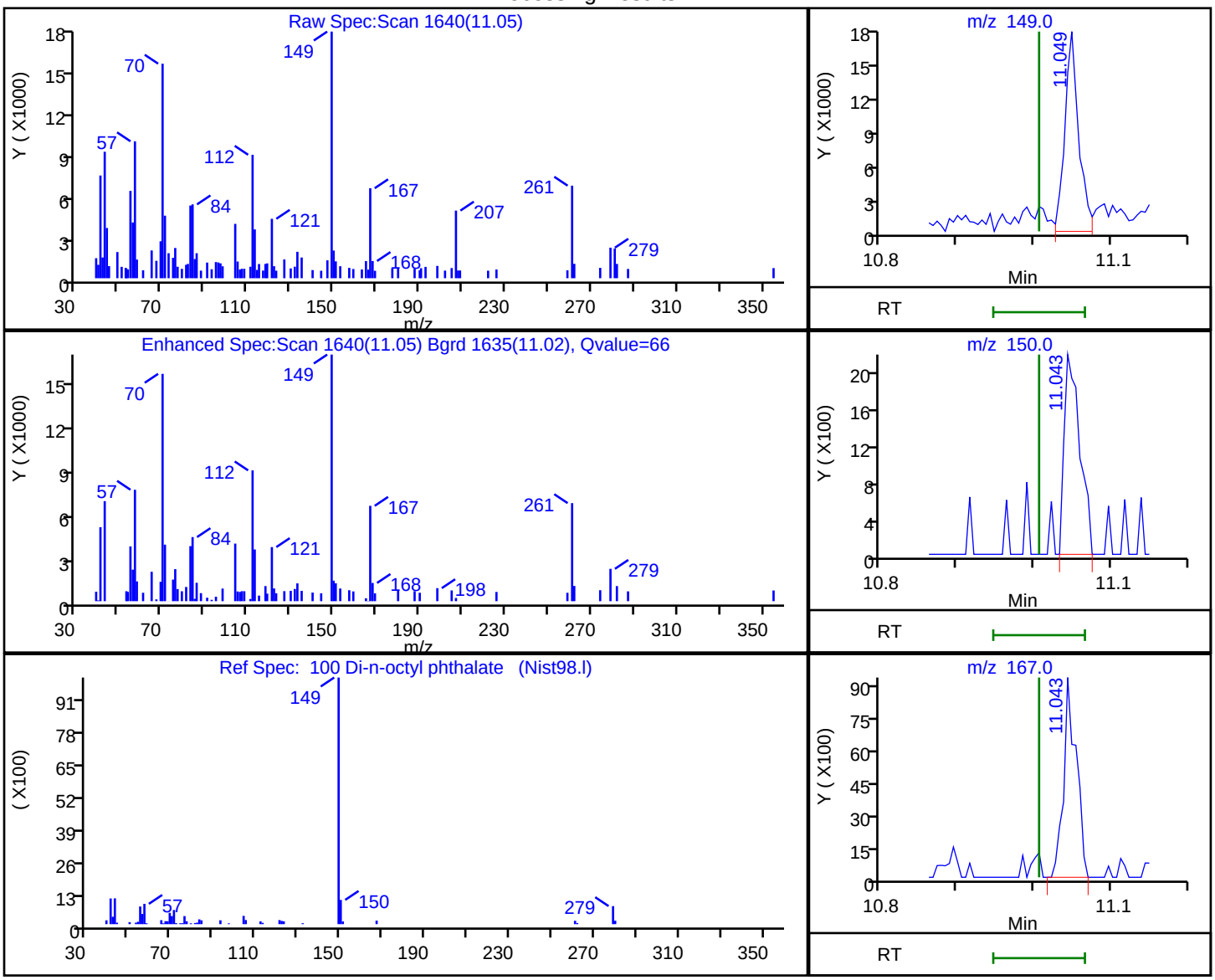
User Disabled Compound Report

Eurofins Seattle

Data File:	\\chromfs\Seattle\ChromData\TAC051\20220322-81877.b\32222A18.D				
Injection Date:	22-Mar-2022 18:22:30	Instrument ID:	TAC051		
Lims ID:	580-111294-B-4-A	Lab Sample ID:	580-111294-4		
Client ID:	ERH2744 (RHMW13-5)				
Operator ID:	JCM	ALS Bottle#:	14	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270 TAC051	Limit Group:	8270D BNA QSM 5.0		
Column:		Detector	MS SCAN		

100 Di-n-octyl phthalate, CAS: 117-84-0

Processing Results



RT	Mass	Response	Amount
11.05	149.00	21532	29.013703
11.04	150.00	3097	
11.04	167.00	10786	

Reviewer: thaneeratw, 23-Mar-2022 11:14:40

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle | Job No.: 580-111294-1

SDG No.:

Client Sample ID: ERH2745 (RHMW13-5) | Lab Sample ID: 580-111294-5

Matrix: Water | Lab File ID: 32222A19.D

Analysis Method: 8270E | Date Collected: 03/10/2022 11:05

Extract. Method: 3510C | Date Extracted: 03/17/2022 11:35

Sample wt/vol: 1047.6(mL) | Date Analyzed: 03/22/2022 18:45

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 384725 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
120-82-1	1,2,4-Trichlorobenzene	0.29	U Q	0.38	0.29	0.086
95-50-1	1,2-Dichlorobenzene	0.14	U	0.38	0.14	0.048
541-73-1	1,3-Dichlorobenzene	0.086	U Q	0.38	0.086	0.038
106-46-7	1,4-Dichlorobenzene	0.086	U	0.38	0.086	0.038
95-95-4	2,4,5-Trichlorophenol	0.29	U Q	0.38	0.29	0.095
88-06-2	2,4,6-Trichlorophenol	0.29	U Q	0.57	0.29	0.095
120-83-2	2,4-Dichlorophenol	0.48	U	0.95	0.48	0.19
105-67-9	2,4-Dimethylphenol	0.48	U	3.8	0.48	0.15
51-28-5	2,4-Dinitrophenol	3.1	U Q	4.8	3.1	1.5
121-14-2	2,4-Dinitrotoluene	0.29	U	0.95	0.29	0.095
606-20-2	2,6-Dinitrotoluene	0.29	U	0.38	0.29	0.095
91-58-7	2-Chloronaphthalene	0.14	U	0.95	0.14	0.067
95-57-8	2-Chlorophenol	0.14	U	0.95	0.14	0.048
88-75-5	2-Nitrophenol	0.14	U	0.95	0.14	0.067
91-94-1	3,3'-Dichlorobenzidine	0.57	U	0.95	0.57	0.25
534-52-1	4,6-Dinitro-2-methylphenol	1.1	U Q	1.9	1.1	0.53
101-55-3	4-Bromophenyl phenyl ether	0.14	U	0.57	0.14	0.057
59-50-7	4-Chloro-3-methylphenol	0.29	U M Q	0.57	0.29	0.12
7005-72-3	4-Chlorophenyl phenyl ether	0.14	U	0.57	0.14	0.048
100-02-7	4-Nitrophenol	5.7	U Q	9.5	5.7	1.6
103-33-3	Azobenzene	0.14	U	1.9	0.14	0.057
111-91-1	Bis(2-chloroethoxy)methane	0.14	U	0.57	0.14	0.048
111-44-4	Bis(2-chloroethyl)ether	0.086	U M	0.095	0.086	0.029
117-81-7	Bis(2-ethylhexyl) phthalate	1.5	U	2.9	1.5	0.71
108-60-1	bis (2-chloroisopropyl) ether	0.14	U M Q	0.24	0.14	0.057
85-68-7	Butyl benzyl phthalate	0.57	U	3.8	0.57	0.26
84-66-2	Diethyl phthalate	0.29	U	0.95	0.29	0.14
131-11-3	Dimethyl phthalate	0.14	U	0.57	0.14	0.057
84-74-2	Di-n-butyl phthalate	0.48	U	2.9	0.48	0.18
117-84-0	Di-n-octyl phthalate	0.29	U M Q	0.95	0.29	0.12
118-74-1	Hexachlorobenzene	0.086	U	0.57	0.086	0.038
87-68-3	Hexachlorobutadiene	0.14	U Q	0.95	0.14	0.057
77-47-4	Hexachlorocyclopentadiene	0.29	U Q	0.95	0.29	0.13
67-72-1	Hexachloroethane	0.14	U Q	0.95	0.14	0.048

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle | Job No.: 580-111294-1

SDG No.:

Client Sample ID: ERH2745 (RHMW13-5) | Lab Sample ID: 580-111294-5

Matrix: Water | Lab File ID: 32222A19.D

Analysis Method: 8270E | Date Collected: 03/10/2022 11:05

Extract. Method: 3510C | Date Extracted: 03/17/2022 11:35

Sample wt/vol: 1047.6(mL) | Date Analyzed: 03/22/2022 18:45

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 384725 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
78-59-1	Isophorone	0.29	U	0.38	0.29	0.095
15831-10-4	m+p-Cresol	0.29	U Q	0.57	0.29	0.095
98-95-3	Nitrobenzene	0.086	U	0.95	0.086	0.038
62-75-9	N-Nitrosodimethylamine	0.57	U	1.9	0.57	0.25
621-64-7	N-Nitrosodi-n-propylamine	0.086	U	0.38	0.086	0.057
86-30-6	N-Nitrosodiphenylamine	0.14	U	0.95	0.14	0.067
95-48-7	o-Cresol	0.14	U	0.57	0.14	0.048
87-86-5	Pentachlorophenol	0.95	U Q	9.5	0.95	0.49
108-95-2	Phenol	0.57	U Q	0.95	0.57	0.34
129-00-0	Pyrene	0.086	U	0.95	0.086	0.038
110-86-1	Pyridine	3.1	U Q	9.5	3.1	1.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	39	Q	43-140
321-60-8	2-Fluorobiphenyl	62		44-119
367-12-4	2-Fluorophenol (Surr)	42		19-119
4165-60-0	Nitrobenzene-d5 (Surr)	64		44-120
4165-62-2	Phenol-d5 (Surr)	23		10-120
1718-51-0	Terphenyl-d14	90		50-134

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220322-81877.b\32222A19.D
Lims ID: 580-111294-B-5-A
Client ID: ERH2745 (RHMW13-5)
Sample Type: Client
Inject. Date: 22-Mar-2022 18:45:30 ALS Bottle#: 15 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 580-111294-b-5-a
Operator ID: JCM Instrument ID: TAC051

Method: \\chromfs\Seattle\ChromData\TAC051\20220322-81877.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 23-Mar-2022 11:19:33 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1609

First Level Reviewer: thaneeratw Date: 23-Mar-2022 11:19:33

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.442	4.440	0.002	88	18606	100.0	
* 2 Naphthalene-d8	136	5.462	5.461	0.001	93	76409	100.0	
* 3 Acenaphthene-d10	164	6.894	6.887	0.007	74	38494	100.0	
* 4 Phenanthrene-d10	188	8.112	8.100	0.012	90	64663	100.0	
* 5 Chrysene-d12	240	10.302	10.295	0.007	78	52098	100.0	
* 6 Perylene-d12	264	11.824	11.818	0.006	88	63265	100.0	
$ 7 2-Fluorophenol	112	3.443	3.444	0.001	83	72607	423.0	
$ 8 Phenol-d5	99	4.201	4.195	0.006	97	44125	229.0	
$ 9 Nitrobenzene-d5	82	4.885	4.889	-0.004	90	116368	639.8	
$ 10 2-methylnaphthalene-d10	152	6.012	6.016	-0.004	0	267015	NC	
$ 11 2-Fluorobiphenyl	172	6.349	6.348	0.001	98	317627	620.6	
$ 12 2,4,6-Tribromophenol	330	7.551	7.556	0.012	72	31515	385.2	
$ 13 Fluoranthene-d10 (Surr)	212	9.078	9.077	0.001	0	513643	NC	
$ 14 Terphenyl-d14	244	9.420	9.427	-0.005	92	437847	904.1	
15 1,4-Dioxane	88	2.385	2.368	0.017	1	1290	NC	
19 Phenol	94	4.212	4.208	0.007	66	8518	45.6	
22 n-Decane	57	4.324	4.323	0.001	80	17783	121.0	
30 Acetophenone	105	4.773	4.772	0.001	69	7192	30.5	
68 Diethyl phthalate	149	7.273	7.266	0.007	74	17309	34.7	
84 Di-n-butyl phthalate	149	8.608	8.607	0.001	73	13411	12.2	
94 Butyl benzyl phthalate	149	9.837	9.836	0.001	34	6248	24.2	
98 Bis(2-ethylhexyl) phthalate	149	10.350	10.349	0.001	88	80048	167.7	
86 2,3-Dichlorobenzenamine	161	11.424	11.419	0.008	1	452	NC	
91 Nonylphenol	135	11.862	11.851	0.014	0	445	NC	
124 DFTPP								

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

8270SIM_IS_00069 Amount Added: 10.00 Units: uL Run Reagent

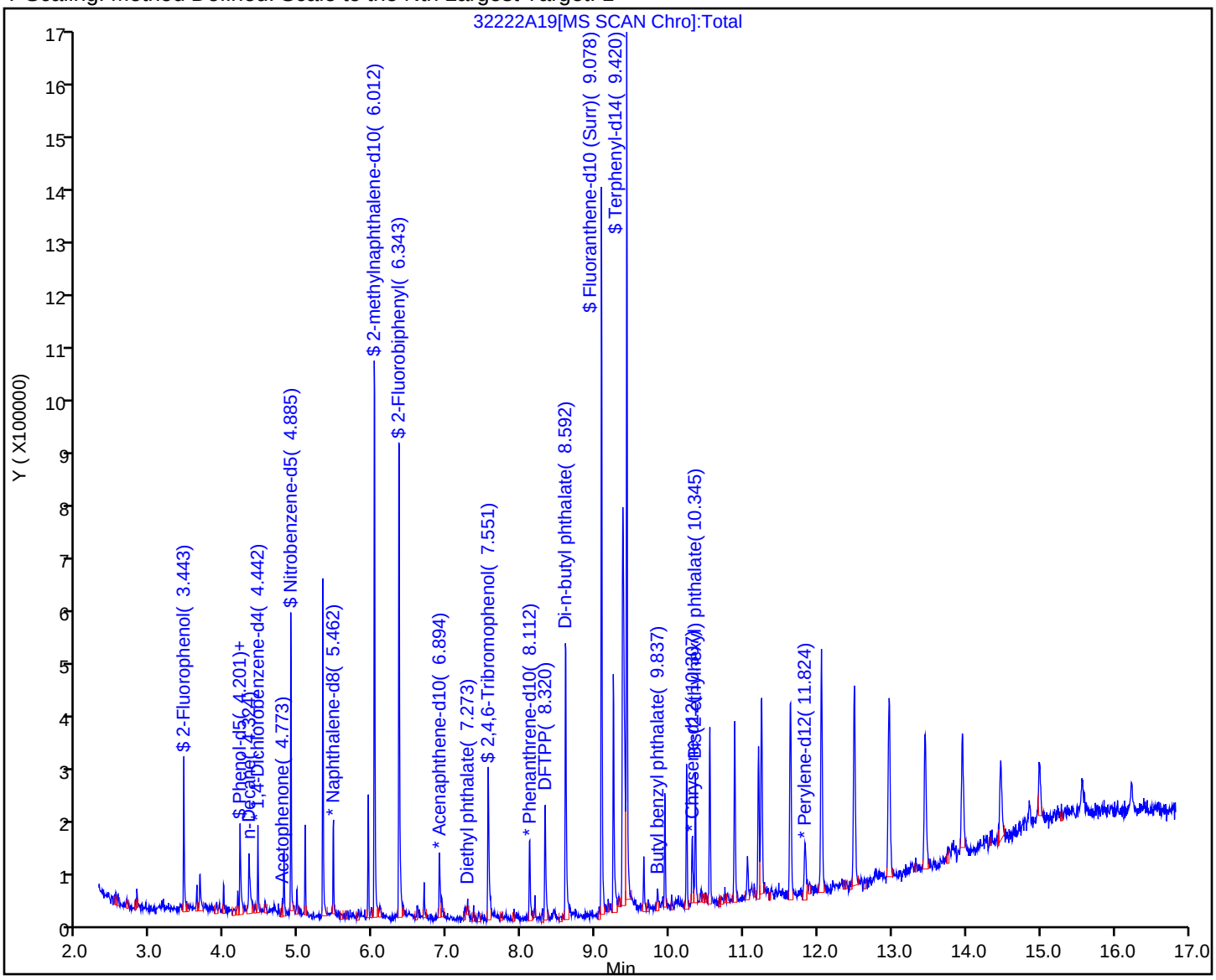
Report Date: 23-Mar-2022 11:19:34 Chrom Revision: 2.3 18-Mar-2022 09:07:22

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC051\20220322-81877.b\32222A19.D

Injection Date:	22-Mar-2022 18:45:30	Instrument ID:	TAC051		
Lims ID:	580-111294-B-5-A	Lab Sample ID:	580-111294-5		
Client ID:	ERH2745 (RHMW13-5)				
Operator ID:	JCM	ALS Bottle#:	15	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270 TAC051	Limit Group:	8270D BNA QSM 5.0		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle
Recovery Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220322-81877.b\32222A19.D
Lims ID: 580-111294-B-5-A
Client ID: ERH2745 (RHMW13-5)
Sample Type: Client
Inject. Date: 22-Mar-2022 18:45:30 ALS Bottle#: 15 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 580-111294-b-5-a
Operator ID: JCM Instrument ID: TAC051

Method: \\chromfs\Seattle\ChromData\TAC051\20220322-81877.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 23-Mar-2022 11:19:33 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1609

First Level Reviewer: thaneeratw Date: 23-Mar-2022 11:19:33

Compound	Amount Added	Amount Recovered	% Rec.
$ 7 2-Fluorophenol	1000.0	423.0	42.30
$ 8 Phenol-d5	1000.0	229.0	22.90
$ 9 Nitrobenzene-d5	1000.0	639.8	63.98
$ 11 2-Fluorobiphenyl	1000.0	620.6	62.06
$ 12 2,4,6-Tribromophenol	1000.0	385.2	38.52
$ 14 Terphenyl-d14	1000.0	904.1	90.41

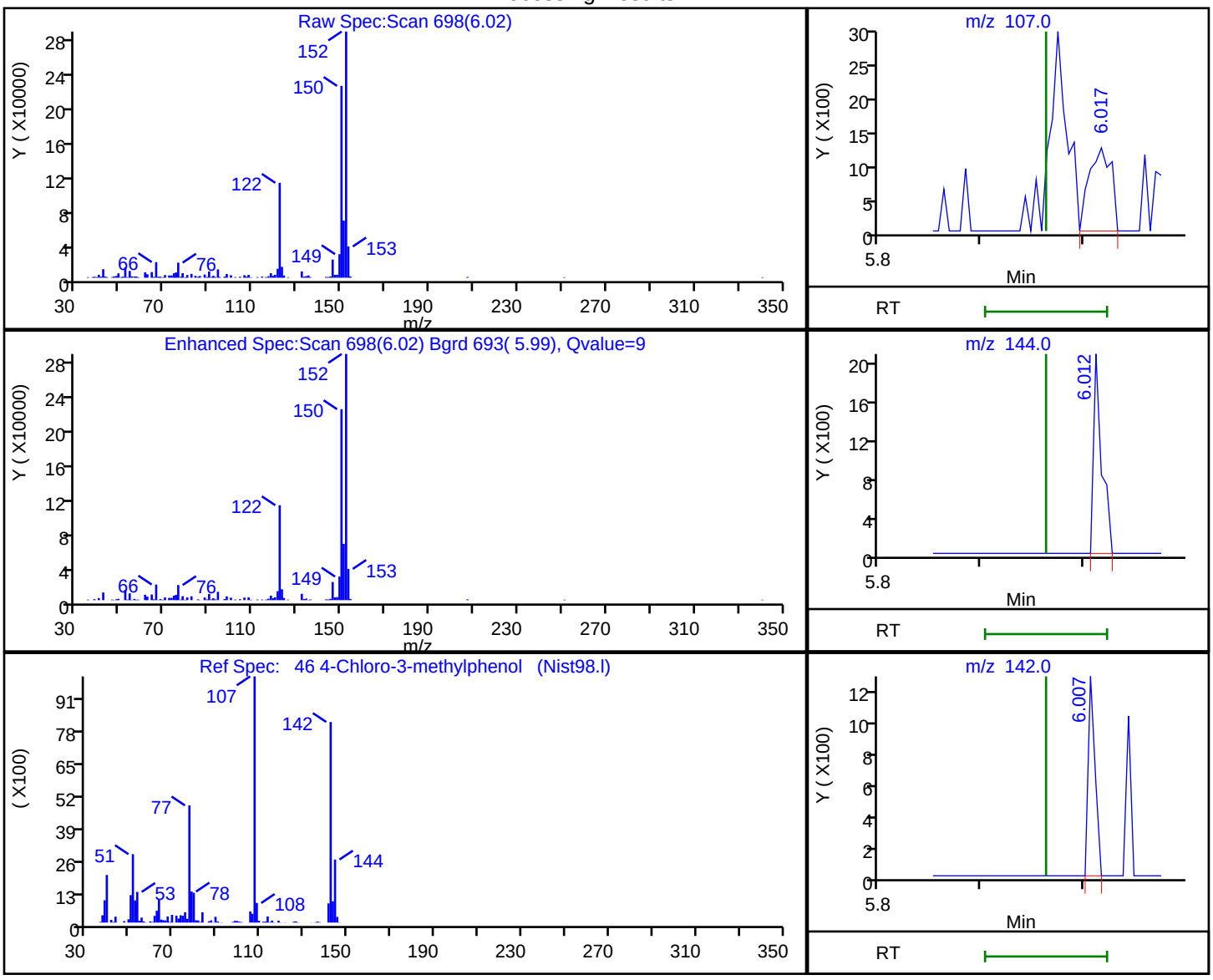
User Disabled Compound Report

Eurofins Seattle

Data File:	\\chromfs\Seattle\ChromData\TAC051\20220322-81877.b\32222A19.D				
Injection Date:	22-Mar-2022 18:45:30	Instrument ID:	TAC051		
Lims ID:	580-111294-B-5-A	Lab Sample ID:	580-111294-5		
Client ID:	ERH2745 (RHMW13-5)				
Operator ID:	JCM	ALS Bottle#:	15	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270 TAC051	Limit Group:	8270D BNA QSM 5.0		
Column:		Detector	MS SCAN		

46 4-Chloro-3-methylphenol, CAS: 59-50-7

Processing Results



RT	Mass	Response	Amount
6.02	107.00	1837	49.340035
6.01	144.00	1160	
6.01	142.00	597	

Reviewer: thaneeratw, 23-Mar-2022 11:17:33

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

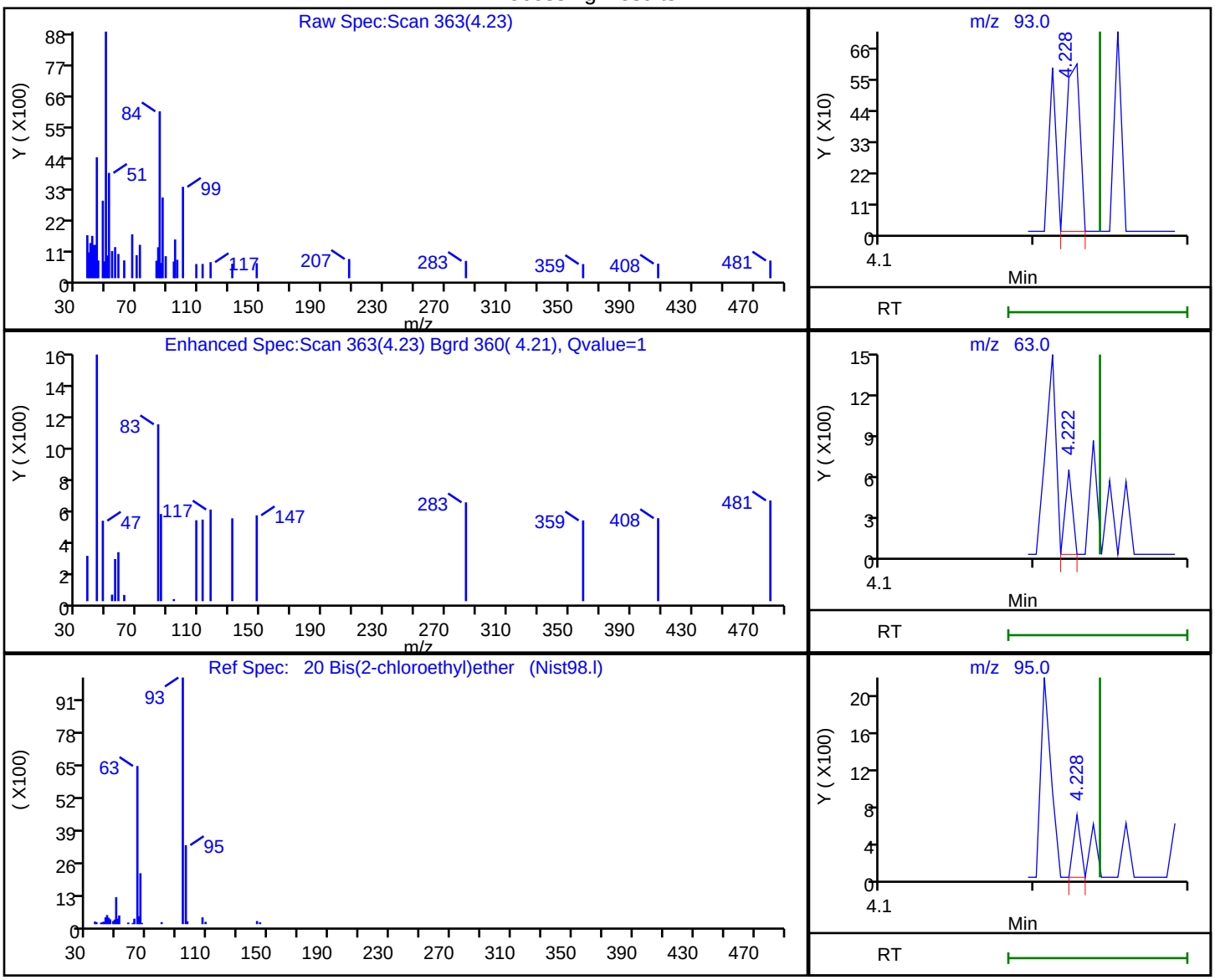
User Disabled Compound Report

Eurofins Seattle

Data File:	\\chromfs\Seattle\ChromData\TAC051\20220322-81877.b\32222A19.D				
Injection Date:	22-Mar-2022 18:45:30	Instrument ID:	TAC051		
Lims ID:	580-111294-B-5-A	Lab Sample ID:	580-111294-5		
Client ID:	ERH2745 (RHMW13-5)				
Operator ID:	JCM	ALS Bottle#:	15	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270 TAC051	Limit Group:	8270D BNA QSM 5.0		
Column:		Detector	MS SCAN		

20 Bis(2-chloroethyl)ether, CAS: 111-44-4

Processing Results



RT	Mass	Response	Amount
4.23	93.00	368	2.289881
4.22	63.00	194	
4.23	95.00	211	

Reviewer: thaneeratw, 23-Mar-2022 11:16:24

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

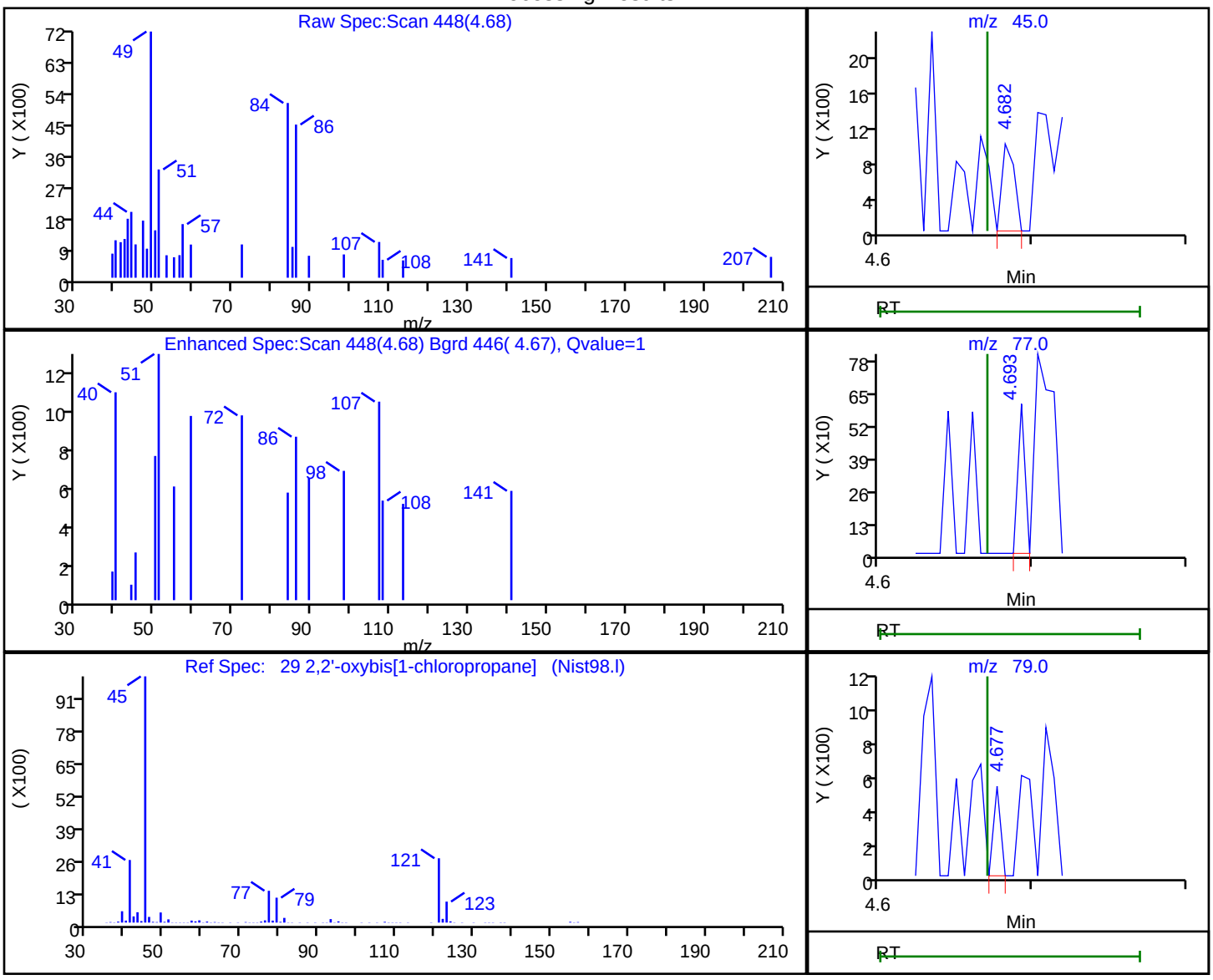
User Disabled Compound Report

Eurofins Seattle

Data File:	\\chromfs\Seattle\ChromData\TAC051\20220322-81877.b\32222A19.D				
Injection Date:	22-Mar-2022 18:45:30	Instrument ID:	TAC051		
Lims ID:	580-111294-B-5-A	Lab Sample ID:	580-111294-5		
Client ID:	ERH2745 (RHMW13-5)				
Operator ID:	JCM	ALS Bottle#:	15	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270 TAC051	Limit Group:	8270D BNA QSM 5.0		
Column:		Detector	MS SCAN		

29 2,2'-oxybis[1-chloropropane], CAS: 108-60-1

Processing Results



RT	Mass	Response	Amount
4.68	45.00	547	3.029708
4.69	77.00	194	
4.68	79.00	163	

Reviewer: thaneeratw, 23-Mar-2022 11:16:39

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

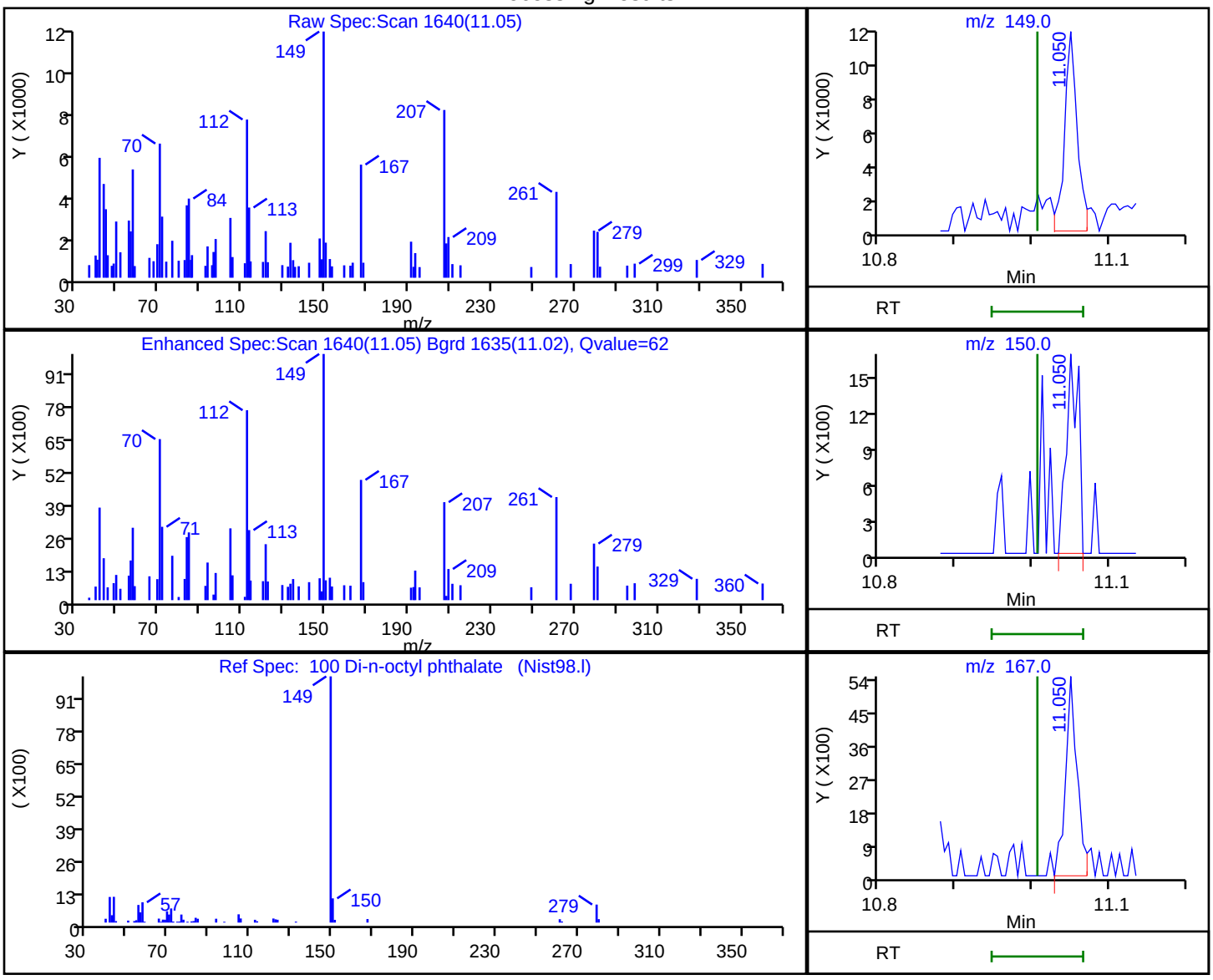
User Disabled Compound Report

Eurofins Seattle

Data File:	\\chromfs\Seattle\ChromData\TAC051\20220322-81877.b\32222A19.D				
Injection Date:	22-Mar-2022 18:45:30	Instrument ID:	TAC051		
Lims ID:	580-111294-B-5-A	Lab Sample ID:	580-111294-5		
Client ID:	ERH2745 (RHMW13-5)				
Operator ID:	JCM	ALS Bottle#:	15	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270 TAC051	Limit Group:	8270D BNA QSM 5.0		
Column:		Detector	MS SCAN		

100 Di-n-octyl phthalate, CAS: 117-84-0

Processing Results



RT	Mass	Response	Amount
11.05	149.00	13665	16.314125
11.05	150.00	1840	
11.05	167.00	5767	

Reviewer: thaneeratw, 23-Mar-2022 11:18:55

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Seattle Job No.: 580-111294-1 Analy Batch No.: 379142

SDG No.:

Instrument ID: TAC051 GC Column: ZB-SV ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/24/2022 17:04 Calibration End Date: 01/24/2022 20:31 Calibration ID: 31978

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 580-379142/13	0124A19_.D
Level 2	STD2 580-379142/12	0124A18_.D
Level 3	STD3 580-379142/11	0124A17_.D
Level 4	STD4 580-379142/10	0124A16_.D
Level 5	STD5 580-379142/9	0124A15_.D
Level 6	STD6 580-379142/8	0124A14_.D
Level 7	STD7IS 580-379142/7	0124A13_.D
Level 8	STD8 580-379142/6	0124A12_.D
Level 9	STD9 580-379142/5	0124A11_.D
Level 10	STD10 580-379142/4	0124A10_.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10		B	M1	M2								
N-Nitrosodimethylamine	+++++ 0.4021	+++++ 0.4199	0.3263 0.4021	0.2919 0.4644	0.2698 0.4023	Lin1	-10.20	0.4218			0.0100	15.4			0.9950		0.9900
Pyridine	+++++ 0.7280	+++++ 0.7237	0.3187 0.7195	0.5682 0.7886	0.6566 0.6805	Lin2	-41.13	0.7477			0.0100	4.9			0.9970		0.9900
Phenol	0.8502 1.0690	0.8939 1.1325	0.9125 1.0755	0.9258 1.1770	1.0495 0.9577	Ave		1.0044			0.8000	11.0		15.0			
Aniline	0.4853 1.2273	1.0767 1.2686	1.1385 1.2181	1.0889 1.2781	1.1950 +++++	Lin1	-7.320	1.2620			0.0100	6.6			0.9990		0.9900
Bis(2-chloroethyl)ether	+++++ 0.8489	0.9511 0.8954	0.8804 0.8278	0.8693 0.8818	0.8899 0.7291	Ave		0.8637			0.7000	7.0		15.0			
2-Chlorophenol	1.1189 1.2519	1.2018 1.2978	1.0803 1.2325	1.2241 1.3664	1.2388 1.0923	Ave		1.2105			0.8000	7.5		15.0			
n-Decane	0.9999 0.7614	0.8665 0.7813	0.6784 0.7376	0.8122 0.7896	0.8255 0.6457	Ave		0.7898			0.0100	12.6		15.0			
1,3-Dichlorobenzene	1.6299 1.5215	1.1199 1.5484	1.5195 1.3863	1.5085 1.5131	1.4736 1.1937	Ave		1.4415			0.0100	11.3		15.0			
1,4-Dichlorobenzene	1.9773 1.5480	1.7303 1.5363	1.4880 1.4315	1.5591 1.5463	1.6024 1.2279	Ave		1.5647			0.0100	12.4		15.0			
Benzyl alcohol	+++++ 0.6023	0.4235 0.6455	0.4995 0.6454	0.4831 0.7134	0.5333 0.6074	Lin2	-4.553	0.6175			0.0100	9.7			0.9900		0.9900
1,2-Dichlorobenzene	1.6506 1.4421	1.5911 1.4727	1.6448 1.3795	1.3594 1.4796	1.4685 1.1646	Ave		1.4653			0.0100	10.0		15.0			
o-Cresol	0.7141 0.8521	0.7512 0.9222	0.8155 0.8955	0.7787 0.9823	0.8537 0.8284	Ave		0.8394			0.7000	9.6		15.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Seattle Job No.: 580-111294-1 Analy Batch No.: 379142

SDG No.:

Instrument ID: TAC051 GC Column: ZB-SV ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/24/2022 17:04 Calibration End Date: 01/24/2022 20:31 Calibration ID: 31978

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10		B	M1	M2								
bis (2-chloroisopropyl) ether	+++++ 1.0161	0.9905 0.9872	0.9522 0.9268	1.0211 1.0177	1.0025 0.8191	Ave		0.9704			0.0100	6.7		15.0			
Acetophenone	1.4838 1.2782	0.9186 1.3403	1.2772 1.3141	1.1956 1.4416	1.2693 1.1434	Ave		1.2662			0.0100	12.5		15.0			
N-Nitrosodi-n-propylamine	0.4265 0.5418	0.4403 0.5024	0.5686 0.4977	0.5010 0.5655	0.4736 0.4662	Ave		0.4984		*	0.5000	9.8		15.0			
m+p-Cresol	+++++ 0.9187	0.6470 0.9131	0.7211 0.9022	0.7441 0.9856	0.7990 0.8078	Lin2	-5.435	0.8801			0.6000	8.0			0.9930		0.9900
Hexachloroethane	+++++ 0.5877	0.5559 0.5716	0.6348 0.5371	0.5913 0.5984	0.5431 0.4871	Ave		0.5675			0.3000	7.5		15.0			
Nitrobenzene	+++++ 0.8433	0.4611 0.8836	0.7479 0.8438	0.8081 0.9178	0.7783 0.7513	Lin2	-7.511	0.8558			0.2000	6.3			0.9960		0.9900
Isophorone	1.5326 1.5102	1.3193 1.5757	1.5700 1.4961	1.3962 1.6326	1.3582 1.3266	Ave		1.4717			0.4000	7.7		15.0			
2-Nitrophenol	+++++ 0.1775	0.1227 0.1887	0.1312 0.1715	0.1327 0.1842	0.1679 0.1739	Lin2	-1.253	0.1735			0.1000	8.9			0.9910		0.9900
2,4-Dimethylphenol	0.6058 1.0309	0.6125 1.0736	0.8433 1.0380	0.8254 1.1278	1.0418 0.9182	Lin1	-4.688	1.0002			0.2000	10.4			0.9910		0.9900
Bis(2-chloroethoxy)methane	0.9978 0.9571	0.7685 1.0017	0.8646 0.9323	0.9213 1.0213	0.9386 0.8298	Ave		0.9233			0.3000	8.8		15.0			
Benzoic acid	+++++ 0.1309	+++++ 0.1871	+++++ 0.2023	+++++ 0.2170	0.0536 0.2201	Lin1	-74.91	0.2234			0.0100	5.6			1.0000		0.9900
2,4-Dichlorophenol	+++++ 0.2549	0.0719 0.2787	0.1855 0.2544	0.1995 0.2844	0.2340 0.2626	Lin1	-4.475	0.2693			0.2000	6.6			0.9980		0.9900
1,2,4-Trichlorobenzene	0.3109 0.3119	0.3372 0.3098	0.3380 0.2708	0.3041 0.2881	0.3186 0.2686	Ave		0.3058			0.0100	7.9		15.0			
Naphthalene	1.1572 1.0255	1.1768 1.0066	1.0767 0.8874	1.0266 0.8749	1.0103 0.6648	Qua2	1.6462	1.0279	-0.000036		0.7000	1.0					0.9900
4-Chloroaniline	+++++ 0.3295	+++++ 0.3558	0.2072 0.3284	0.2684 0.3749	0.3058 0.3540	Lin1	-8.907	0.3587			0.0100	5.0			0.9990		0.9900
2,6-Dichlorophenol	0.1866 0.5261	0.4514 0.5259	0.5953 0.5064	0.4935 0.5116	0.4592 0.4887	Qua1	-2.314	0.5248	-0.000003		0.0100	1.0					0.9900
Hexachlorobutadiene	0.2320 0.1794	0.2115 0.1821	0.1893 0.1569	0.1620 0.1690	0.1739 0.1588	Ave		0.1815			0.0100	13.3		15.0			
4-Chloro-3-methylphenol	+++++ 0.3602	+++++ 0.3925	0.1272 0.4099	0.2280 0.4263	0.2731 0.4262	Lin2	-15.16	0.4039			0.2000	7.8			0.9930		0.9900

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Seattle Job No.: 580-111294-1 Analy Batch No.: 379142

SDG No.:

Instrument ID: TAC051 GC Column: ZB-SV ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/24/2022 17:04 Calibration End Date: 01/24/2022 20:31 Calibration ID: 31978

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10		B	M1	M2								
2-Methylnaphthalene	0.6965 0.6601	0.7565 0.6800	0.7161 0.5961	0.6220 0.6103	0.6414 0.5357	Ave		0.6515			0.4000	9.9		15.0			
1-Methylnaphthalene	0.6077 0.6372	0.6905 0.6552	0.6970 0.5591	0.6175 0.5917	0.6128 0.5190	Ave		0.6188			0.0100	8.9		15.0			
Hexachlorocyclopentadiene	+++++ 0.3720	+++++ 0.3584	0.3113 0.3596	0.3541 0.3709	0.3362 0.3599	Ave		0.3528			0.0500	5.7		15.0			
1,2,4,5-Tetrachlorobenzene	+++++ 0.5533	0.7329 0.5308	0.6658 0.5040	0.5791 0.5048	0.5333 0.4752	Qua	4.0824	0.5270	-0.000005			1.0					0.9900
2,4,6-Trichlorophenol	+++++ 0.3149	+++++ 0.3241	0.1541 0.3326	0.1875 0.3617	0.2426 0.3340	Lin2	-10.30	0.3314			0.2000	8.7			0.9910		0.9900
2,4,5-Trichlorophenol	+++++ 0.3311	+++++ 0.3739	0.1016 0.3712	0.1960 0.3874	0.2694 0.3795	Lin1	-16.95	0.3835			0.2000	7.5			1.0000		0.9900
1,1'-Biphenyl	1.6576 1.4698	1.4706 1.4742	1.6375 1.3901	1.4975 1.3128	1.4676 1.1297	Ave		1.4507			0.0100	10.5		15.0			
2-Chloronaphthalene	1.0462 1.1482	1.2384 1.1499	1.3854 1.0897	1.2120 1.0548	1.1149 0.9547	Ave		1.1394			0.8000	10.5		15.0			
2-Nitroaniline	+++++ 0.2791	+++++ 0.3277	+++++ 0.3483	0.1531 0.3878	0.1970 0.3770	Qua2	-20.00	0.3327	0.0000062		0.0100	1.0					0.9900
Dimethyl phthalate	+++++ 1.2730	+++++ 1.3105	0.9961 1.2186	1.1727 1.2040	1.2253 1.1300	Lin1	4.0668	1.1715			0.0100	11.0			0.9980		0.9900
1,3-Dinitrobenzene	+++++ 0.1431	+++++ 0.1705	+++++ 0.1930	+++++ 0.2109	0.0833 0.2119	Qua2	-23.16	0.1956	0.0000023			1.0					0.9900
2,6-Dinitrotoluene	+++++ 0.2611	+++++ 0.2940	0.1825 0.3005	0.1561 0.3099	0.2228 0.2959	Lin1	-10.03	0.3015			0.2000	13.6			0.9990		0.9900
Acenaphthylene	2.2187 1.7572	1.6063 1.7874	1.8352 1.7081	1.6396 1.5848	1.7128 1.3091	Qua2	3.5959	1.7159	-0.000036		0.9000	1.0					0.9900
3-Nitroaniline	+++++ 0.2237	+++++ 0.2705	+++++ 0.2990	0.0756 0.3082	0.2189 0.3118	Lin2	-22.24	0.3037			0.0100	7.1			0.9940		0.9900
Acenaphthene	1.2898 1.1754	1.3478 1.1762	1.1649 1.1215	1.1830 1.0835	1.1757 0.9847	Ave		1.1702			0.9000	8.6		15.0			
2,4-Dinitrophenol	+++++ 0.0866	+++++ 0.1372	+++++ 0.1604	+++++ 0.1840	0.0286 0.1901	Lin1	-81.71	0.1910			0.0100	13.2			0.9980		0.9900
4-Nitrophenol	+++++ 0.0679	+++++ 0.0951	+++++ 0.1558	+++++ 0.1763	+++++ 0.1913	Lin1	-153.6	0.1956			0.0100	10.5			0.9980		0.9900
2,4-Dinitrotoluene	+++++ 0.3385	+++++ 0.3956	+++++ 0.3900	0.1723 0.3953	0.2550 0.3928	Lin2	-23.80	0.3981			0.2000	4.1			0.9980		0.9900

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Seattle Job No.: 580-111294-1 Analy Batch No.: 379142

SDG No.:

Instrument ID: TAC051 GC Column: ZB-SV ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/24/2022 17:04 Calibration End Date: 01/24/2022 20:31 Calibration ID: 31978

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10		B	M1	M2								
Dibenzofuran	+++++ 1.6353	1.1971 1.6446	1.5694 1.5831	1.5563 1.4419	1.5438 1.2191	Ave		1.4878			0.8000	11.4		15.0			
2,3,5,6-Tetrachlorophenol	+++++ 0.2278	+++++ 0.2674	0.0706 0.2742	0.1244 0.2781	0.1898 0.2762	Lin2	-10.92	0.2666			0.0100	8.4			0.9920		0.9900
2,3,4,6-Tetrachlorophenol	+++++ 0.3031	+++++ 0.3025	0.1474 0.3026	0.2356 0.3066	0.2465 0.3057	Lin2	-8.009	0.3076			0.0100	3.4			0.9990		0.9900
Diethyl phthalate	+++++ 1.3352	1.1535 1.3716	1.4807 1.2856	1.3906 1.2405	1.2637 1.1448	Ave		1.2963			0.0100	8.5		15.0			
Fluorene	+++++ 1.3066	0.9532 1.3135	1.0586 1.2445	1.2180 1.1817	1.3070 1.0729	Ave		1.1840			0.9000	10.9		15.0			
4-Chlorophenyl phenyl ether	+++++ 0.5801	0.4484 0.5808	0.5748 0.5591	0.5497 0.5381	0.5567 0.5173	Ave		0.5450			0.4000	7.6		15.0			
4-Nitroaniline	+++++ 0.2818	+++++ 0.2452	+++++ 0.2540	0.0475 0.2846	0.2485 0.2860	Lin1	-18.55	0.2852			0.0100	14.0			0.9980		0.9900
4,6-Dinitro-2-methylphenol	+++++ 0.0856	+++++ 0.1223	+++++ 0.1211	0.0452 0.1389	0.0552 0.1271	Lin1	-23.94	0.1315			0.0100	15.2			0.9960		0.9900
N-Nitrosodiphenylamine	+++++ 0.5733	0.3897 0.6350	0.4605 0.5677	0.5029 0.5878	0.5724 0.4884	Ave		0.5309			0.0100	14.4		15.0			
Azobenzene	0.3311 0.5308	0.4603 0.6175	0.5245 0.5375	0.5493 0.5559	0.5532 0.4771	Lin2	-2.114	0.5537			0.0100	6.9			0.9950		0.9900
4-Bromophenyl phenyl ether	+++++ 0.2016	0.1072 0.2302	0.1827 0.2110	0.2414 0.2207	0.1908 0.1949	Qua2	-2.266	0.2261	-0.000003		0.1000	1.0					0.9900
Hexachlorobenzene	+++++ 0.2325	+++++ 0.2639	0.2856 0.2387	0.2921 0.2481	0.2854 0.2212	Ave		0.2584			0.1000	10.5		15.0			
Atrazine	+++++ 0.3332	+++++ 0.3517	0.2147 0.3444	0.2813 0.3412	0.3179 0.3078	Lin2	-6.142	0.3413			0.0100	4.6			0.9980		0.9900
Pentachlorophenol	+++++ 0.1240	+++++ 0.1486	+++++ 0.1470	0.0535 0.1627	0.0760 0.1497	Lin2	-22.09	0.1527			0.0500	8.4			0.9920		0.9900
n-Octadecane	0.2025 0.2929	0.3552 0.3371	0.3230 0.2915	0.3238 0.3093	0.3165 0.2773	Qua1	-0.526	0.3207	-0.000004		0.0100	1.0					0.9900
Phenanthrene	1.4429 1.0942	1.1477 1.1950	1.2665 1.0440	1.2138 1.0114	1.1416 0.7745	Qua2	2.3559	1.1584	-0.000037		0.7000	1.0					0.9900
Anthracene	0.3859 1.0560	0.7248 1.2073	1.1308 1.0709	1.1229 1.0324	1.1312 0.7512	Qua1	-9.141	1.2207	-0.000046		0.7000	1.0					0.9900
Carbazole	+++++ 0.9110	0.5872 0.9741	0.9854 0.8181	0.8384 0.8072	0.8893 0.6854	Qua1	-3.963	0.9215	-0.000024		0.0100	1.0					0.9900

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Seattle Job No.: 580-111294-1 Analy Batch No.: 379142

SDG No.:

Instrument ID: TAC051 GC Column: ZB-SV ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/24/2022 17:04 Calibration End Date: 01/24/2022 20:31 Calibration ID: 31978

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10		B	M1	M2								
Di-n-butyl phthalate	+++++ 1.2449	1.7958 1.4463	1.7891 1.2964	1.3810 1.2402	1.3111 0.8460	Qua1	2.8476	1.4723	-0.000061		0.0100	1.0					0.9900
Fluoranthene	1.4362 1.0950	1.1765 1.2432	1.1646 1.1013	1.1777 1.0432	1.2040 0.7506	Qua1	-0.756	1.2453	-0.000049		0.6000	1.0					0.9900
Benzidine	+++++ 0.2224	+++++ 0.3124	0.0580 0.2297	0.2286 0.2909	0.2134 0.3050	Lin1	-25.70	0.2949			0.0100	14.7			0.9930		0.9900
Pyrene	1.8923 1.1524	1.1626 1.2685	1.2720 1.1353	1.2749 1.0806	1.2033 0.7940	Qua1	2.0270	1.2744	-0.000047		0.6000	1.0					0.9900
Butyl benzyl phthalate	+++++ 0.7074	0.6402 0.7461	0.6583 0.6587	0.5508 0.7209	0.6151 0.6210	Qua1	-5.833	0.7380	-0.000011		0.0100	1.0					0.9900
3,3'-Dichlorobenzidine	+++++ 0.4415	0.1194 0.4230	0.3572 0.3781	0.3175 0.3935	0.3534 0.3671	Qua1	-10.97	0.4138	-0.000002		0.0100	1.0					0.9900
Benzo[a]anthracene	+++++ 1.3454	1.0860 1.3435	0.9620 1.1272	1.1379 1.1619	1.0832 0.9767	Qua1	-9.122	1.2908	-0.000031		0.8000	1.0					0.9900
Chrysene	+++++ 1.4085	2.1037 1.3443	1.7029 1.1495	1.5993 1.1553	1.3007 0.9185	Qua2	15.767	1.3447	-0.000043		0.7000	1.0					0.9900
Bis(2-ethylhexyl) phthalate	+++++ 1.0125	0.9557 1.0425	0.9224 0.9330	0.8006 0.9690	0.8314 +++++	Qua2	0.3768	0.9115	0.0000159		0.0100	1.0					0.9900
Di-n-octyl phthalate	+++++ 1.3476	+++++ 1.5710	1.2508 1.5543	1.0630 1.4896	1.0989 1.2166	Ave		1.3240			0.0100	15.0		15.0			
Benzo[b]fluoranthene	+++++ 1.1132	1.0106 1.2357	0.9565 1.1496	1.1263 1.1143	1.0981 0.9578	Lin2	-2.576	1.1101			0.7000	7.9			0.9930		0.9900
Benzofluoranthene	1.4117 1.2271	1.3544 1.3041	1.2710 1.2066	1.2213 1.1043	1.2559 0.9321	Ave		1.2289				10.9		15.0			
Benzo[k]fluoranthene	1.6294 1.4203	1.3669 1.4171	1.4666 1.3150	1.2271 1.1448	1.4668 0.9705	Ave		1.3425			0.7000	14.0		15.0			
Benzo[a]pyrene	0.4915 1.0122	0.8185 1.1316	1.0317 1.0445	0.9563 1.0012	0.9591 0.8594	Lin2	-4.930	1.0237			0.7000	8.3			0.9930		0.9900
Indeno[1,2,3-cd]pyrene	+++++ 0.9239	0.5624 1.0827	0.9672 1.0624	0.7695 1.0604	0.9093 0.9954	Lin1	-9.998	1.0246			0.5000	9.4			0.9980		0.9900
Dibenz(a,h)anthracene	+++++ 1.0899	+++++ 1.1360	0.8269 1.1592	0.8820 1.1306	1.0416 0.9974	Lin2	-15.46	1.1079			0.4000	5.7			0.9960		0.9900
Benzo[g,h,i]perylene	0.9553 1.1457	1.2456 1.3291	1.1148 1.2484	1.1760 1.1703	1.1319 1.0220	Qua1	-4.893	1.2977	-0.000027		0.5000	1.0					0.9900
2-Fluorophenol (Surr)	+++++ 0.9168	0.6925 0.9967	0.9127 0.9284	0.8913 1.0360	0.8116 0.8174	Lin2	-4.427	0.9330				8.5			0.9920		0.9900

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Seattle Job No.: 580-111294-1 Analy Batch No.: 379142

SDG No.:

Instrument ID: TAC051 GC Column: ZB-SV ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/24/2022 17:04 Calibration End Date: 01/24/2022 20:31 Calibration ID: 31978

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10		B	M1	M2								
Phenol-d5 (Surr)	+++++ 1.0919	+++++ 1.1010	0.9320 1.0574	0.9700 1.1667	1.0263 0.9459	Lin1	1.5964	1.0287				9.5			0.9910		0.9900
Nitrobenzene-d5 (Surr)	0.1933 0.2413	0.2884 0.2545	0.2529 0.2242	0.2138 0.2411	0.2435 0.2271	Ave		0.2380				10.8		15.0			
2-Fluorobiphenyl	1.5431 1.3602	1.2244 1.3552	1.5121 1.2938	1.3684 1.2283	1.3307 1.0806	Ave		1.3297				10.2		15.0			
2,4,6-Tribromophenol (Surr)	+++++ 0.1291	+++++ 0.1468	0.0508 0.1355	0.0486 0.1512	0.1166 0.1342	Lin1	-5.515	0.1408			0.0100	13.3			0.9960		0.9900
Terphenyl-d14	+++++ 0.7389	+++++ 0.8074	0.8533 0.7410	0.7543 0.7302	0.7589 0.6079	Ave		0.7490				9.4		15.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Seattle Job No.: 580-111294-1 Analy Batch No.: 379142

SDG No.:

Instrument ID: TAC051 GC Column: ZB-SV ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/24/2022 17:04 Calibration End Date: 01/24/2022 20:31 Calibration ID: 31978

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 580-379142/13	0124A19_.D
Level 2	STD2 580-379142/12	0124A18_.D
Level 3	STD3 580-379142/11	0124A17_.D
Level 4	STD4 580-379142/10	0124A16_.D
Level 5	STD5 580-379142/9	0124A15_.D
Level 6	STD6 580-379142/8	0124A14_.D
Level 7	STD7IS 580-379142/7	0124A13_.D
Level 8	STD8 580-379142/6	0124A12_.D
Level 9	STD9 580-379142/5	0124A11_.D
Level 10	STD10 580-379142/4	0124A10_.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10
N-Nitrosodimethylamine	DCBd 4	Lin1	+++++	+++++	5516	10054	17806	+++++	+++++	50.0	100	200
			64929	137585	269153	744037	1438003	500	1000	2000	5000	10000
Pyridine	DCBd 4	Lin2	+++++	+++++	10778	39140	86665	+++++	+++++	100	200	400
			235103	474344	963115	2527274	4865097	1000	2000	4000	10000	20000
Phenol	DCBd 4	Ave	2386	5644	15427	31889	69263	10.0	20.0	50.0	100	200
			172626	371134	719856	1885852	3423690	500	1000	2000	5000	10000
Aniline	DCBd 4	Lin1	1362	6798	19248	37504	78860	10.0	20.0	50.0	100	200
			198182	415718	815352	2047944	+++++	500	1000	2000	5000	+++++
Bis(2-chloroethyl)ether	DCBd 4	Ave	+++++	6005	14885	29940	58726	+++++	20.0	50.0	100	200
			137086	293417	554075	1412935	2606332	500	1000	2000	5000	10000
2-Chlorophenol	DCBd 4	Ave	3140	7588	18264	42162	81754	10.0	20.0	50.0	100	200
			202159	425276	824994	2189408	3904697	500	1000	2000	5000	10000
n-Decane	DCBd 4	Ave	2806	5471	11469	27974	54478	10.0	20.0	50.0	100	200
			122949	256033	493704	1265178	2308292	500	1000	2000	5000	10000
1,3-Dichlorobenzene	DCBd 4	Ave	4574	7071	25691	51957	97247	10.0	20.0	50.0	100	200
			245696	507414	927931	2424476	4267220	500	1000	2000	5000	10000

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Seattle Job No.: 580-111294-1 Analy Batch No.: 379142

SDG No.:

Instrument ID: TAC051 GC Column: ZB-SV ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/24/2022 17:04 Calibration End Date: 01/24/2022 20:31 Calibration ID: 31978

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10
1,4-Dichlorobenzene	DCBd 4	Ave	5549 249973	10925 503454	25157 958150	53699 2477692	105751 4389329	10.0 500	20.0 1000	50.0 2000	100 5000	200 10000
Benzyl alcohol	DCBd 4	Lin2	+++++ 97253	2674 211530	8445 432001	16639 1143127	35194 2171335	+++++ 500	20.0 1000	50.0 2000	100 5000	200 10000
1,2-Dichlorobenzene	DCBd 4	Ave	4632 232869	10046 482591	27809 923363	46821 2370683	96909 4163295	10.0 500	20.0 1000	50.0 2000	100 5000	200 10000
o-Cresol	DCBd 4	Ave	2004 137592	4743 302200	13788 599419	26820 1573928	56341 2961293	10.0 500	20.0 1000	50.0 2000	100 5000	200 10000
bis (2-chloroisopropyl) ether	DCBd 4	Ave	+++++ 164087	6254 323494	16099 620330	35169 1630687	66159 2928233	+++++ 500	20.0 1000	50.0 2000	100 5000	200 10000
Acetophenone	DCBd 4	Ave	4164 206406	5800 439228	21594 879561	41180 2309817	83766 4087296	10.0 500	20.0 1000	50.0 2000	100 5000	200 10000
N-Nitrosodi-n-propylamine	DCBd 4	Ave	1197 87483	2780 164634	9614 333139	17256 906094	31256 1666435	10.0 500	20.0 1000	50.0 2000	100 5000	200 10000
m+p-Cresol	DCBd 4	Lin2	+++++ 148354	4085 299221	12191 603891	25629 1579216	52732 2887901	+++++ 500	20.0 1000	50.0 2000	100 5000	200 10000
Hexachloroethane	DCBd 4	Ave	+++++ 94896	3510 187308	10733 359498	20367 958843	35842 1741400	+++++ 500	20.0 1000	50.0 2000	100 5000	200 10000
Nitrobenzene	DCBd 4	Lin2	+++++ 136174	2911 289563	12645 564801	27835 1470537	51366 2685612	+++++ 500	20.0 1000	50.0 2000	100 5000	200 10000
Isophorone	DCBd 4	Ave	4301 243865	8330 516354	26544 1001416	48088 2615844	89634 4742321	10.0 500	20.0 1000	50.0 2000	100 5000	200 10000
2-Nitrophenol	NPT	Lin2	+++++ 104101	2689 223185	7885 445738	16835 1162420	40815 2128274	+++++ 500	20.0 1000	50.0 2000	100 5000	200 10000

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Seattle Job No.: 580-111294-1 Analy Batch No.: 379142

SDG No.:

Instrument ID: TAC051 GC Column: ZB-SV ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/24/2022 17:04 Calibration End Date: 01/24/2022 20:31 Calibration ID: 31978

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10
2,4-Dimethylphenol	DCBd 4	Lin1	1700 166463	3867 351805	14257 694752	28429 1807128	68752 3282248	10.0 500	20.0 1000	50.0 2000	100 5000	200 10000
Bis(2-chloroethoxy)methane	DCBd 4	Ave	2800 154553	4852 328271	14617 624017	31732 1636469	61943 2966362	10.0 500	20.0 1000	50.0 2000	100 5000	200 10000
Benzoic acid	NPT	Lin1	+++++ 153546	+++++ 442673	+++++ 1051632	+++++ 2738724	26059 5387119	+++++ 1000	+++++ 2000	+++++ 4000	+++++ 10000	400 20000
2,4-Dichlorophenol	NPT	Lin1	+++++ 149458	1576 329716	11144 661249	25309 1794662	56883 3214581	+++++ 500	20.0 1000	50.0 2000	100 5000	200 10000
1,2,4-Trichlorobenzene	NPT	Ave	3183 182921	7388 366508	20307 703731	38590 1818176	77442 3287546	10.0 500	20.0 1000	50.0 2000	100 5000	200 10000
Naphthalene	NPT	Qua2	11849 601332	25785 1190797	64682 2306526	130261 5521644	245615 8136693	10.0 500	20.0 1000	50.0 2000	100 5000	200 10000
4-Chloroaniline	NPT	Lin1	+++++ 193225	+++++ 420896	12448 853626	34056 2365912	74339 4333252	+++++ 500	+++++ 1000	50.0 2000	100 5000	200 10000
2,6-Dichlorophenol	ANT	Qua1	776 166011	4566 343493	16145 668074	28442 1778591	55696 3203473	10.0 500	20.0 1000	50.0 2000	100 5000	200 10000
Hexachlorobutadiene	NPT	Ave	2375 105181	4635 215414	11375 407934	20550 1066820	42285 1944071	10.0 500	20.0 1000	50.0 2000	100 5000	200 10000
4-Chloro-3-methylphenol	ANT	Lin2	+++++ 113656	+++++ 256346	3449 540762	13141 1482131	33119 2793657	+++++ 500	+++++ 1000	50.0 2000	100 5000	200 10000
2-Methylnaphthalene	NPT	Ave	7132 387051	16577 804387	43019 1549313	78916 3851996	155926 6557017	10.0 500	20.0 1000	50.0 2000	100 5000	200 10000
1-Methylnaphthalene	NPT	Ave	6222 373656	15130 775117	41871 1453189	78343 3734140	148970 6352715	10.0 500	20.0 1000	50.0 2000	100 5000	200 10000
Hexachlorocyclopentadiene	ANT	Ave	+++++ 117382	+++++ 234068	8444 474427	20411 1289587	40776 2359324	+++++ 500	+++++ 1000	50.0 2000	100 5000	200 10000
1,2,4,5-Tetrachlorobenzene	ANT	Qua	+++++ 174594	7413 346660	18058 664954	33379 1755031	64685 3115144	+++++ 500	20.0 1000	50.0 2000	100 5000	200 10000
2,4,6-Trichlorophenol	ANT	Lin2	+++++ 99357	+++++ 211695	4179 438775	10805 1257370	29422 2189506	+++++ 500	+++++ 1000	50.0 2000	100 5000	200 10000
2,4,5-Trichlorophenol	ANT	Lin1	+++++ 104475	+++++ 244235	2757 489699	11295 1346813	32672 2487962	+++++ 500	+++++ 1000	50.0 2000	100 5000	200 10000
1,1'-Biphenyl	ANT	Ave	6895 463771	14875 962852	44414 1833985	86306 4564025	177997 7405757	10.0 500	20.0 1000	50.0 2000	100 5000	200 10000

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Seattle Job No.: 580-111294-1 Analy Batch No.: 379142

SDG No.:

Instrument ID: TAC051 GC Column: ZB-SV ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/24/2022 17:04 Calibration End Date: 01/24/2022 20:31 Calibration ID: 31978

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10
2-Chloronaphthalene	ANT	Ave	4352 362290	12526 751023	37577 1437621	69851 3667033	135219 6258163	10.0 500	20.0 1000	50.0 2000	100 5000	200 10000
2-Nitroaniline	ANT	Qua2	+++++ 88071	+++++ 214029	+++++ 459472	8826 1348336	23895 2471645	+++++ 500	+++++ 1000	+++++ 2000	100 5000	200 10000
Dimethyl phthalate	ANT	Lin1	+++++ 401664	+++++ 855918	27018 1607770	67587 4185506	148612 7407496	+++++ 500	+++++ 1000	50.0 2000	100 5000	200 10000
1,3-Dinitrobenzene	ANT	Qua2	+++++ 45162	+++++ 111350	+++++ 254656	+++++ 733033	10104 1389291	+++++ 500	+++++ 1000	+++++ 2000	+++++ 5000	200 10000
2,6-Dinitrotoluene	ANT	Lin1	+++++ 82381	+++++ 192043	4949 396420	8999 1077271	27022 1939446	+++++ 500	+++++ 1000	50.0 2000	100 5000	200 10000
Acenaphthylene	ANT	Qua2	9229 554434	16248 1167400	49775 2253492	94501 5509536	207743 8581502	10.0 500	20.0 1000	50.0 2000	100 5000	200 10000
3-Nitroaniline	ANT	Lin2	+++++ 70570	+++++ 176681	+++++ 394436	4360 1071282	26552 2044039	+++++ 500	+++++ 1000	+++++ 2000	100 5000	200 10000
Acenaphthene	ANT	Ave	5365 370859	13633 768188	31595 1479588	68184 3766831	142603 6455324	10.0 500	20.0 1000	50.0 2000	100 5000	200 10000
2,4-Dinitrophenol	ANT	Lin1	+++++ 54667	+++++ 179184	+++++ 423163	+++++ 1279146	6927 2491838	+++++ 1000	+++++ 2000	+++++ 4000	+++++ 10000	400 20000
4-Nitrophenol	ANT	Lin1	+++++ 42833	+++++ 124182	+++++ 411039	+++++ 1225638	+++++ 2508541	+++++ 1000	+++++ 2000	+++++ 4000	+++++ 10000	+++++ 20000
2,4-Dinitrotoluene	ANT	Lin2	+++++ 106809	+++++ 258359	+++++ 514538	9930 1374334	30925 2574945	+++++ 500	+++++ 1000	+++++ 2000	100 5000	200 10000
Dibenzofuran	ANT	Ave	+++++ 515973	12109 1074130	42568 2088576	89695 5012656	187239 7991738	+++++ 500	20.0 1000	50.0 2000	100 5000	200 10000
2,3,5,6-Tetrachlorophenol	ANT	Lin2	+++++ 71880	+++++ 174633	1916 361812	7172 966835	23023 1810251	+++++ 500	+++++ 1000	50.0 2000	100 5000	200 10000
2,3,4,6-Tetrachlorophenol	ANT	Lin2	+++++ 95647	+++++ 197558	3997 399267	13581 1066016	29903 2004159	+++++ 500	+++++ 1000	50.0 2000	100 5000	200 10000
Diethyl phthalate	ANT	Ave	+++++ 421303	11668 895822	40160 1696159	80149 4312494	153267 7504819	+++++ 500	20.0 1000	50.0 2000	100 5000	200 10000
Fluorene	ANT	Ave	+++++ 412279	9642 857897	28712 1641956	70202 4108288	158527 7033453	+++++ 500	20.0 1000	50.0 2000	100 5000	200 10000
4-Chlorophenyl phenyl ether	ANT	Ave	+++++ 183042	4536 379369	15590 737588	31684 1870819	67522 3390756	+++++ 500	20.0 1000	50.0 2000	100 5000	200 10000
4-Nitroaniline	ANT	Lin1	+++++ 88921	+++++ 160171	+++++ 335166	2738 989483	30141 1875065	+++++ 500	+++++ 1000	+++++ 2000	100 5000	200 10000

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Seattle Job No.: 580-111294-1 Analy Batch No.: 379142

SDG No.:

Instrument ID: TAC051 GC Column: ZB-SV ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/24/2022 17:04 Calibration End Date: 01/24/2022 20:31 Calibration ID: 31978

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10
4,6-Dinitro-2-methylphenol	PHN	Lin1	+++++ 85170	+++++ 231561	+++++ 499883	7501 1443908	20055 2720777	+++++ 1000	+++++ 2000	+++++ 4000	200 10000	400 20000
N-Nitrosodiphenylamine	PHN	Ave	+++++ 285250	5128 601233	17392 1171768	41726 3054845	103990 5228628	+++++ 500	20.0 1000	50.0 2000	100 5000	200 10000
Azobenzene	PHN	Lin2	1688 264123	6057 584678	19809 1109354	45578 2889028	100510 5108676	10.0 500	20.0 1000	50.0 2000	100 5000	200 10000
4-Bromophenyl phenyl ether	PHN	Qua2	+++++ 100310	1411 217984	6901 435582	20026 1147061	34670 2086983	+++++ 500	20.0 1000	50.0 2000	100 5000	200 10000
Hexachlorobenzene	PHN	Ave	+++++ 115710	+++++ 249823	10787 492581	24235 1289466	51847 2368224	+++++ 500	+++++ 1000	50.0 2000	100 5000	200 10000
Atrazine	ANT	Lin2	+++++ 105144	+++++ 229735	5824 454389	16215 1186308	38560 2017804	+++++ 500	+++++ 1000	50.0 2000	100 5000	200 10000
Pentachlorophenol	PHN	Lin2	+++++ 123396	+++++ 281395	+++++ 606919	8872 1690585	27618 3206551	+++++ 1000	+++++ 2000	+++++ 4000	200 10000	400 20000
n-Octadecane	PHN	Qua1	1032 145763	4675 319134	12197 601553	26864 1607173	57505 2968506	10.0 500	20.0 1000	50.0 2000	100 5000	200 10000
Phenanthrene	PHN	Qua2	7355 544462	15103 1131435	47829 2154658	100704 5255844	207412 8291956	10.0 500	20.0 1000	50.0 2000	100 5000	200 10000
Anthracene	PHN	Qua1	1967 525427	9538 1143048	42705 2210236	93164 5365074	205516 8042352	10.0 500	20.0 1000	50.0 2000	100 5000	200 10000
Carbazole	PHN	Qua1	+++++ 453282	7728 922250	37213 1688495	69562 4194838	161571 7337942	+++++ 500	20.0 1000	50.0 2000	100 5000	200 10000
Di-n-butyl phthalate	PHN	Qua1	+++++ 619421	23632 1369355	67567 2675585	114575 6444929	238202 9057674	+++++ 500	20.0 1000	50.0 2000	100 5000	200 10000
Fluoranthene	PHN	Qua1	7321 544870	15483 1177032	43982 2272893	97710 5421432	218747 8036302	10.0 500	20.0 1000	50.0 2000	100 5000	200 10000
Benzidine	PHN	Lin1	+++++ 221350	+++++ 591479	4379 948099	37938 3023406	77542 6530017	+++++ 1000	+++++ 2000	100 4000	200 10000	400 20000
Pyrene	PHN	Qua1	9646 573415	15300 1200976	48040 2343078	105780 5615456	218610 8500762	10.0 500	20.0 1000	50.0 2000	100 5000	200 10000
Butyl benzyl phthalate	CRY	Qua1	+++++ 254853	6796 577966	21653 1169116	37254 3084606	90103 5609656	+++++ 500	20.0 1000	50.0 2000	100 5000	200 10000
3,3'-Dichlorobenzidine	CRY	Qua1	+++++ 318110	2536 655354	23496 1342115	42953 3367556	103543 6632333	+++++ 1000	40.0 2000	100 4000	200 10000	400 20000
Benzo[a]anthracene	CRY	Qua1	+++++ 484681	11529 1040691	31640 2000496	76962 4971440	158668 8822607	+++++ 500	20.0 1000	50.0 2000	100 5000	200 10000

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Seattle Job No.: 580-111294-1 Analy Batch No.: 379142

SDG No.:

Instrument ID: TAC051 GC Column: ZB-SV ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/24/2022 17:04 Calibration End Date: 01/24/2022 20:31 Calibration ID: 31978

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10
Chrysene	CRY	Qua2	+++++ 507398	22332 1041324	56009 2040111	108167 4943043	190523 8297113	+++++ 500	20.0 1000	50.0 2000	100 5000	200 10000
Bis(2-ethylhexyl) phthalate	CRY	Qua2	+++++ 364738	10145 807522	30339 1655943	54145 4146254	121780 +++++	+++++ 500	20.0 1000	50.0 2000	100 5000	200 +++++
Di-n-octyl phthalate	PRY	Ave	+++++ 564577	+++++ 1297051	42834 2735228	80402 6987870	166908 12039711	+++++ 500	+++++ 1000	50.0 2000	100 5000	200 10000
Benzo[b]fluoranthene	PRY	Lin2	+++++ 466400	11195 1020232	32758 2022914	85190 5227145	166789 9478316	+++++ 500	20.0 1000	50.0 2000	100 5000	200 10000
Benzofluoranthene	PRY	Ave	15165 1028183	30007 2153421	87056 4246638	184747 10361259	381511 18448767	20.0 1000	40.0 2000	100 4000	200 10000	400 20000
Benzo[k]fluoranthene	PRY	Ave	8752 595047	15142 1169985	50225 2314015	92812 5370634	222783 9603989	10.0 500	20.0 1000	50.0 2000	100 5000	200 10000
Benzo[a]pyrene	PRY	Lin2	2640 424087	9067 934286	35331 1838099	72333 4696887	145669 8504491	10.0 500	20.0 1000	50.0 2000	100 5000	200 10000
Indeno[1,2,3-cd]pyrene	PRY	Lin1	+++++ 387093	6230 893927	33123 1869567	58203 4974655	138112 9850086	+++++ 500	20.0 1000	50.0 2000	100 5000	200 10000
Dibenz(a,h)anthracene	PRY	Lin2	+++++ 456625	+++++ 937866	28319 2039921	66707 5303630	158200 9870204	+++++ 500	+++++ 1000	50.0 2000	100 5000	200 10000
Benzo[g,h,i]perylene	PRY	Qua1	5131 480002	13798 1097303	38178 2196860	88949 5489900	171922 10113906	10.0 500	20.0 1000	50.0 2000	100 5000	200 10000
2-Fluorophenol (Surr)	DCBd 4	Lin2	+++++ 148046	4372 326634	15431 621440	30700 1660042	53560 2922164	+++++ 500	20.0 1000	50.0 2000	100 5000	200 10000
Phenol-d5 (Surr)	DCBd 4	Lin1	+++++ 176312	+++++ 360808	15758 707780	33408 1869344	67732 3381391	+++++ 500	+++++ 1000	50.0 2000	100 5000	200 10000
Nitrobenzene-d5 (Surr)	NPT	Ave	1979 141521	6320 301048	15195 582610	27133 1521900	59203 2779943	10.0 500	20.0 1000	50.0 2000	100 5000	200 10000
2-Fluorobiphenyl	ANT	Ave	6419 429162	12385 885103	41014 1706929	78870 4270070	161393 7083415	10.0 500	20.0 1000	50.0 2000	100 5000	200 10000
2,4,6-Tribromophenol (Surr)	PHN	Lin1	+++++ 64213	+++++ 139026	1919 279682	4032 785601	21181 1436618	+++++ 500	+++++ 1000	50.0 2000	100 5000	200 10000
Terphenyl-d14	PHN	Ave	+++++ 367653	+++++ 764445	32224 1529297	62580 3794742	137870 6508266	+++++ 500	+++++ 1000	50.0 2000	100 5000	200 10000

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Seattle Job No.: 580-111294-1 Analy Batch No.: 379142

SDG No.:

Instrument ID: TAC051 GC Column: ZB-SV ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/24/2022 17:04 Calibration End Date: 01/24/2022 20:31 Calibration ID: 31978

Curve Type Legend

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD
Lin2 = Linear 1/conc^2 ISTD
Qua = Quadratic ISTD
Qua1 = Quadratic 1/conc ISTD
Qua2 = Quadratic 1/conc^2 ISTD

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Seattle Job No.: 580-111294-1 Analy Batch No.: 379142

SDG No.:

Instrument ID: TAC051 GC Column: ZB-SV ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/24/2022 17:04 Calibration End Date: 01/24/2022 20:31 Calibration ID: 31978

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 580-379142/13	0124A19_.D
Level 2	STD2 580-379142/12	0124A18_.D
Level 3	STD3 580-379142/11	0124A17_.D
Level 4	STD4 580-379142/10	0124A16_.D
Level 5	STD5 580-379142/9	0124A15_.D
Level 6	STD6 580-379142/8	0124A14_.D
Level 7	STD7IS 580-379142/7	0124A13_.D
Level 8	STD8 580-379142/6	0124A12_.D
Level 9	STD9 580-379142/5	0124A11_.D
Level 10	STD10 580-379142/4	0124A10_.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 # LVL 9 #	LVL 4 # LVL 10 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3 LVL 9	LVL 4 LVL 10	LVL 5	LVL 6
N-Nitrosodimethylamine	+++++	+++++	25.7						30			
Pyridine	+++++	+++++	-2.4						30			
Phenol	-15.3						50					
Aniline	-3.5			+++++			30					
Bis(2-chloroethyl)ether	+++++	10.1						50				
2-Chlorophenol	-7.6						50					
n-Decane	26.6						50					
1,3-Dichlorobenzene	13.1						50					
1,4-Dichlorobenzene	26.4						50					
Benzyl alcohol	+++++	5.4						30				
1,2-Dichlorobenzene	12.6						50					
o-Cresol	-14.9						50					
bis (2-chloroisopropyl) ether	+++++	2.1						50				
Acetophenone	17.2						50					

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Seattle Job No.: 580-111294-1 Analy Batch No.: 379142

SDG No.:

Instrument ID: TAC051 GC Column: ZB-SV ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/24/2022 17:04 Calibration End Date: 01/24/2022 20:31 Calibration ID: 31978

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 # LVL 9 #	LVL 4 # LVL 10 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3 LVL 9	LVL 4 LVL 10	LVL 5	LVL 6
N-Nitrosodi-n-propylamine	-14.4						50					
m+p-Cresol	+++++	4.4						30				
Hexachloroethane	+++++	-2.0						50				
Nitrobenzene	+++++	-2.2						30				
Isophorone	4.1						50					
2-Nitrophenol	+++++	6.8						30				
2,4-Dimethylphenol	7.4						30					
Bis(2-chloroethoxy)methane	8.1						50					
Benzoic acid	+++++	+++++	+++++	+++++	7.8						30	
2,4-Dichlorophenol	+++++	9.8						30				
1,2,4-Trichlorobenzene	1.7						50					
Naphthalene	-3.4						30					
4-Chloroaniline	+++++	+++++	7.4						30			
2,6-Dichlorophenol	-20.3						30					
Hexachlorobutadiene	27.8						50					
4-Chloro-3-methylphenol	+++++	+++++	6.5						30			
2-Methylnaphthalene	6.9						50					
1-Methylnaphthalene	-1.8						50					
Hexachlorocyclopentadiene	+++++	+++++	-11.8						50			
1,2,4,5-Tetrachlorobenzene	+++++	0.4						30				
2,4,6-Trichlorophenol	+++++	+++++	8.7						30			

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Seattle Job No.: 580-111294-1 Analy Batch No.: 379142

SDG No.:

Instrument ID: TAC051 GC Column: ZB-SV ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/24/2022 17:04 Calibration End Date: 01/24/2022 20:31 Calibration ID: 31978

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 # LVL 9 #	LVL 4 # LVL 10 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3 LVL 9	LVL 4 LVL 10	LVL 5	LVL 6
2,4,5-Trichlorophenol	+++++	+++++	14.9						30			
1,1'-Biphenyl	14.3						50					
2-Chloronaphthalene	-8.2						50					
2-Nitroaniline	+++++	+++++	+++++	5.9						30		
Dimethyl phthalate	+++++	+++++	-21.9						30			
1,3-Dinitrobenzene	+++++	+++++	+++++	+++++	1.6						30	
2,6-Dinitrotoluene	+++++	+++++	27.1						30			
Acenaphthylene	8.4						30					
3-Nitroaniline	+++++	+++++	+++++	-1.8						30		
Acenaphthene	10.2						50					
2,4-Dinitrophenol	+++++	+++++	+++++	+++++	21.9						30	
4-Nitrophenol	+++++	+++++	+++++	+++++	+++++	13.2						30
2,4-Dinitrotoluene	+++++	+++++	+++++	3.1						30		
Dibenzofuran	+++++	-19.5						50				
2,3,5,6-Tetrachlorophenol	+++++	+++++	8.5						30			
2,3,4,6-Tetrachlorophenol	+++++	+++++	0.0						30			
Diethyl phthalate	+++++	-11.0						50				
Fluorene	+++++	-19.5						50				
4-Chlorophenyl phenyl ether	+++++	-17.7						50				
4-Nitroaniline	+++++	+++++	+++++	-18.3						30		
4,6-Dinitro-2-methylphenol	+++++	+++++	+++++	25.4						30		

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Seattle Job No.: 580-111294-1 Analy Batch No.: 379142

SDG No.:

Instrument ID: TAC051 GC Column: ZB-SV ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/24/2022 17:04 Calibration End Date: 01/24/2022 20:31 Calibration ID: 31978

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 # LVL 9 #	LVL 4 # LVL 10 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3 LVL 9	LVL 4 LVL 10	LVL 5	LVL 6
N-Nitrosodiphenylamine	+++++	-26.6						50				
Azobenzene	-2.0						30					
4-Bromophenyl phenyl ether	+++++	-2.4						30				
Hexachlorobenzene	+++++	+++++	10.5						50			
Atrazine	+++++	+++++	-1.1						30			
Pentachlorophenol	+++++	+++++	+++++	7.3						30		
n-Octadecane	-20.5						30					
Phenanthrene	4.3						30					
Anthracene	6.5						30					
Carbazole	+++++	-14.7						30				
Di-n-butyl phthalate	+++++	12.4						30				
Fluoranthene	21.5						30					
Benzidine	+++++	+++++	6.8						30			
Pyrene	32.6 *						30					
Butyl benzyl phthalate	+++++	26.3						30				
3,3'-Dichlorobenzidine	+++++	-4.9						30				
Benzo[a]anthracene	+++++	19.5						30				
Chrysene	+++++	-2.1						30				
Bis(2-ethylhexyl) phthalate	+++++	2.7		+++++				30				
Di-n-octyl phthalate	+++++	+++++	-5.5						50			
Benzo[b]fluoranthene	+++++	2.6						30				

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Seattle Job No.: 580-111294-1 Analy Batch No.: 379142

SDG No.:

Instrument ID: TAC051 GC Column: ZB-SV ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/24/2022 17:04 Calibration End Date: 01/24/2022 20:31 Calibration ID: 31978

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 # LVL 9 #	LVL 4 # LVL 10 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3 LVL 9	LVL 4 LVL 10	LVL 5	LVL 6
Benzofluoranthene	14.9						50					
Benzo[k]fluoranthene	21.4						50					
Benzo[a]pyrene	-3.8						30					
Indeno[1,2,3-cd]pyrene	+++++	3.7						30				
Dibenz(a,h)anthracene	+++++	+++++	2.6						30			
Benzo[g,h,i]perylene	11.3						30					
2-Fluorophenol (Surr)	+++++	-2.1						30				
Phenol-d5 (Surr)	+++++	+++++	-12.5						30			
Nitrobenzene-d5 (Surr)	-18.8						50					
2-Fluorobiphenyl	16.1						50					
2,4,6-Tribromophenol (Surr)	+++++	+++++	14.4						30			
Terphenyl-d14	+++++	+++++	13.9						50			

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A10_.D
Lims ID: STD10
Client ID:
Sample Type: IC Calib Level: 10
Inject. Date: 24-Jan-2022 17:04:30 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 10
Operator ID: TL Instrument ID: TAC051
Sublist: chrom-8270 TAC051*sub34

Method: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 28-Jan-2022 17:06:38 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: limmere Date: 25-Jan-2022 15:01:16

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.494	4.489	0.005	55	35748	100.0	100.0	a
* 2 Naphthalene-d8	136	5.504	5.499	0.005	89	122401	100.0	100.0	
* 3 Acenaphthene-d10	164	6.925	6.925	0.000	36	65553	100.0	100.0	
* 4 Phenanthrene-d10	188	8.143	8.138	0.005	93	107067	100.0	100.0	
* 5 Chrysene-d12	240	10.344	10.334	0.010	50	90331	100.0	100.0	
* 6 Perylene-d12	264	11.866	11.862	0.004	84	98959	100.0	100.0	
$ 7 2-Fluorophenol	112	3.484	3.485	-0.001	88	2922164	10000	8766.4	
$ 8 Phenol-d5	99	4.216	4.212	0.004	97	3381391	10000	9193.9	
$ 9 Nitrobenzene-d5	82	4.937	4.928	0.009	87	2779943	10000	9541.7	
$ 10 2-methylnaphthalene-d10	152	6.059	6.055	0.004	0	6214408	NC	NC	
$ 11 2-Fluorobiphenyl	172	6.390	6.386	0.004	96	7083415	10000	8126.5	
$ 12 2,4,6-Tribromophenol	330	7.576	7.572	0.004	90	1436618	10000	9566.1	
$ 13 Fluoranthene-d10 (Surr)	212	9.120	9.116	0.004	0	8740338	NC	NC	e
$ 14 Terphenyl-d14	244	9.462	9.458	0.004	97	6508266	10000	8116.1	
15 1,4-Dioxane	88	2.405	2.353	0.052	33	8948	NC	NC	
16 N-Nitrosodimethylamine	74	2.469	2.475	-0.006	77	1438003	10000	9561.4	
17 Pyridine	79	2.480	2.492	-0.012	86	4865097	20000	18256	
19 Phenol	94	4.227	4.222	0.005	95	3423690	10000	9535.6	
18 Aniline	93	4.243	4.238	0.005	74	3911742	10000	8676.9	a
20 Bis(2-chloroethyl)ether	93	4.302	4.297	0.005	97	2606332	10000	8441.0	
21 2-Chlorophenol	128	4.328	4.324	0.004	57	3904697	10000	9023.5	
22 n-Decane	57	4.376	4.377	-0.001	90	2308292	10000	8175.6	
23 1,3-Dichlorobenzene	146	4.446	4.447	-0.001	97	4267220	10000	8281.2	
25 1,4-Dichlorobenzene	146	4.505	4.505	0.000	94	4389329	10000	7847.1	
26 Benzyl alcohol	79	4.612	4.607	0.005	92	2171335	10000	9843.5	
27 1,2-Dichlorobenzene	146	4.622	4.623	-0.001	96	4163295	10000	7948.1	
28 2-Methylphenol	108	4.697	4.692	0.005	60	2961293	10000	9869.1	
29 2,2'-oxybis[1-chloropropane]	45	4.718	4.719	-0.001	48	2928233	10000	8441.5	a
30 Acetophenone	105	4.820	4.810	0.010	95	4087296	10000	9029.8	
31 N-Nitrosodi-n-propylamine	70	4.825	4.815	0.010	75	1666435	10000	9353.9	
32 3 & 4 Methylphenol	108	4.831	4.821	0.010	90	2887901	10000	9184.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
33 Hexachloroethane	117	4.884	4.885	-0.001	92	1741400	10000	8584.5	
34 Nitrobenzene	77	4.953	4.944	0.009	82	2685612	10000	8787.3	
35 Isophorone	82	5.146	5.136	0.010	93	4742321	10000	9013.7	
36 2-Nitrophenol	139	5.204	5.200	0.004	84	2128274	10000	10029	
37 2,4-Dimethylphenol	107	5.247	5.243	0.004	93	3282248	10000	9184.4	
39 Benzoic acid	105	5.407	5.301	0.106	89	5387119	20000	20034	a
38 Bis(2-chloroethoxy)methane	93	5.327	5.323	0.004	97	2966362	10000	8987.4	
40 2,4-Dichlorophenol	162	5.397	5.392	0.005	89	3214581	10000	9770.6	
41 1,2,4-Trichlorobenzene	180	5.461	5.456	0.005	92	3287546	10000	8783.3	
42 Naphthalene	128	5.520	5.515	0.005	97	8136693	10000	9948.1	e
43 4-Chloroaniline	127	5.573	5.569	0.004	82	4333252	10000	9894.3	
44 2,6-Dichlorophenol	162	5.578	5.574	0.004	89	3203473	10000	9981.0	
45 Hexachlorobutadiene	225	5.627	5.622	0.005	94	1944071	10000	8750.8	
46 4-Chloro-3-methylphenol	107	5.979	5.969	0.010	89	2793657	10000	10588	
47 2-Methylnaphthalene	142	6.081	6.081	0.000	82	6557017	10000	8223.0	
48 1-Methylnaphthalene	142	6.161	6.156	0.005	89	6352715	10000	8387.9	
49 Hexachlorocyclopentadiene	237	6.209	6.210	-0.001	87	2359324	10000	10201	
50 1,2,4,5-Tetrachlorobenzene	216	6.220	6.215	0.005	94	3115144	10000	9993.7	
52 2,4,6-Trichlorophenol	196	6.316	6.311	0.005	88	2189506	10000	10110	
53 2,4,5-Trichlorophenol	196	6.348	6.343	0.005	95	2487962	10000	9941.6	
54 1,1'-Biphenyl	154	6.465	6.461	0.004	96	7405757	10000	7787.3	e
55 2-Chloronaphthalene	162	6.476	6.471	0.005	97	6258163	10000	8378.7	
56 2-Nitroaniline	138	6.572	6.568	0.004	92	2471645	10000	9646.6	
57 Dimethyl phthalate	163	6.738	6.722	0.016	98	7407496	10000	9641.9	
58 1,3-Dinitrobenzene	168	6.754	6.744	0.010	92	1389291	10000	9819.6	
59 2,6-Dinitrotoluene	165	6.775	6.765	0.010	72	1939446	10000	9846.6	
60 Acenaphthylene	152	6.812	6.808	0.004	92	8581502	10000	9528.3	e
61 3-Nitroaniline	138	6.914	6.904	0.010	89	2044039	10000	10341	
62 Acenaphthene	153	6.957	6.952	0.005	92	6455324	10000	8414.9	
63 2,4-Dinitrophenol	184	6.999	6.990	0.009	78	2491838	20000	20325	a
64 4-Nitrophenol	109	7.069	7.048	0.021	82	2508541	20000	20345	
65 2,4-Dinitrotoluene	165	7.106	7.096	0.010	70	2574945	10000	9926.0	
66 Dibenzofuran	168	7.101	7.096	0.005	85	7991738	10000	8193.9	e
51 2,3,5,6-Tetrachlorophenol	232	7.170	7.166	0.004	89	1810251	10000	10401	
67 2,3,4,6-Tetrachlorophenol	232	7.208	7.198	0.010	72	2004159	10000	9964.9	
68 Diethyl phthalate	149	7.315	7.299	0.016	98	7504819	10000	8832.0	
69 Fluorene	166	7.379	7.374	0.005	81	7033453	10000	9061.8	
70 4-Chlorophenyl phenyl ether	204	7.389	7.385	0.004	92	3390756	10000	9490.7	
71 4-Nitroaniline	138	7.416	7.401	0.015	40	1875065	10000	10094	
72 4,6-Dinitro-2-methylphenol	198	7.438	7.422	0.016	86	2720777	20000	19509	
73 N-Nitrosodiphenylamine	169	7.491	7.481	0.010	62	5228628	10000	9199.3	
74 Azobenzene	77	7.518	7.513	0.005	92	5108676	10000	8622.0	
75 4-Bromophenyl phenyl ether	248	7.785	7.786	-0.001	62	2086983	10000	9834.8	
76 Hexachlorobenzene	284	7.827	7.818	0.009	86	2368224	10000	8558.8	
77 Atrazine	200	7.940	7.930	0.010	92	2017804	10000	9035.7	
78 Pentachlorophenol	266	7.993	7.983	0.010	86	3206551	20000	19753	
79 n-Octadecane	57	8.084	8.085	-0.001	91	2968506	10000	9928.2	
80 Phenanthrene	178	8.164	8.160	0.005	94	8291956	10000	9656.1	e
81 Anthracene	178	8.207	8.197	0.010	93	8042352	10000	9719.0	e
83 Carbazole	167	8.346	8.336	0.010	84	7337942	10000	10005	
84 Di-n-butyl phthalate	149	8.645	8.646	-0.001	98	9057674	10000	9446.7	e
85 Fluoranthene	202	9.136	9.132	0.004	93	8036302	10000	9702.1	e

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
88 Benzidine	184	9.265	9.260	0.005	98	6530017	20000	20771	
89 Pyrene	202	9.318	9.313	0.005	87	8500762	10000	9745.8	e
94 Butyl benzyl phthalate	149	9.874	9.869	0.005	95	5609656	10000	9854.3	
96 3,3'-Dichlorobenzidine	252	10.328	10.318	0.010	74	6632333	20000	19984	
97 Benzo[a]anthracene	228	10.333	10.323	0.010	97	8822607	10000	9939.8	
99 Chrysene	228	10.370	10.360	0.010	91	8297113	10000	10141	
98 Bis(2-ethylhexyl) phthalate	149	10.392	10.393	0.000	92	7497857	10000	7989.0	
100 Di-n-octyl phthalate	149	11.065	11.055	0.010	98	12039711	10000	9189.2	e
101 Benzo[b]fluoranthene	252	11.444	11.424	0.020	95	9478316	10000	8630.3	
102 Benzofluoranthene	252	11.471	11.456	0.015	1	18448767	20000	15171	
103 Benzo[k]fluoranthene	252	11.471	11.456	0.015	90	9603989	10000	7229.3	
104 Benzo[a]pyrene	252	11.813	11.792	0.021	76	8504491	10000	8399.9	
105 Indeno[1,2,3-cd]pyrene	276	13.191	13.165	0.026	97	9850086	10000	9724.7	
106 Dibenz(a,h)anthracene	278	13.228	13.208	0.020	82	9870204	10000	9016.3	
107 Benzo[g,h,i]perylene	276	13.528	13.496	0.032	94	10113906	10000	9960.6	

QC Flag Legend

Processing Flags
NC - Not Calibrated
e - Potential Peak Saturated
Review Flags
a - User Assigned ID

Reagents:

8270_ic_stk_00062	Amount Added: 0.10	Units: mL
8270SIM_IS_00069	Amount Added: 10.00	Units: uL

Report Date: 28-Jan-2022 17:06:39 Chrom Revision: 2.3 18-Jan-2022 20:25:40

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A10_.D

Injection Date: 24-Jan-2022 17:04:30 Instrument ID: TAC051

Lims ID: STD10

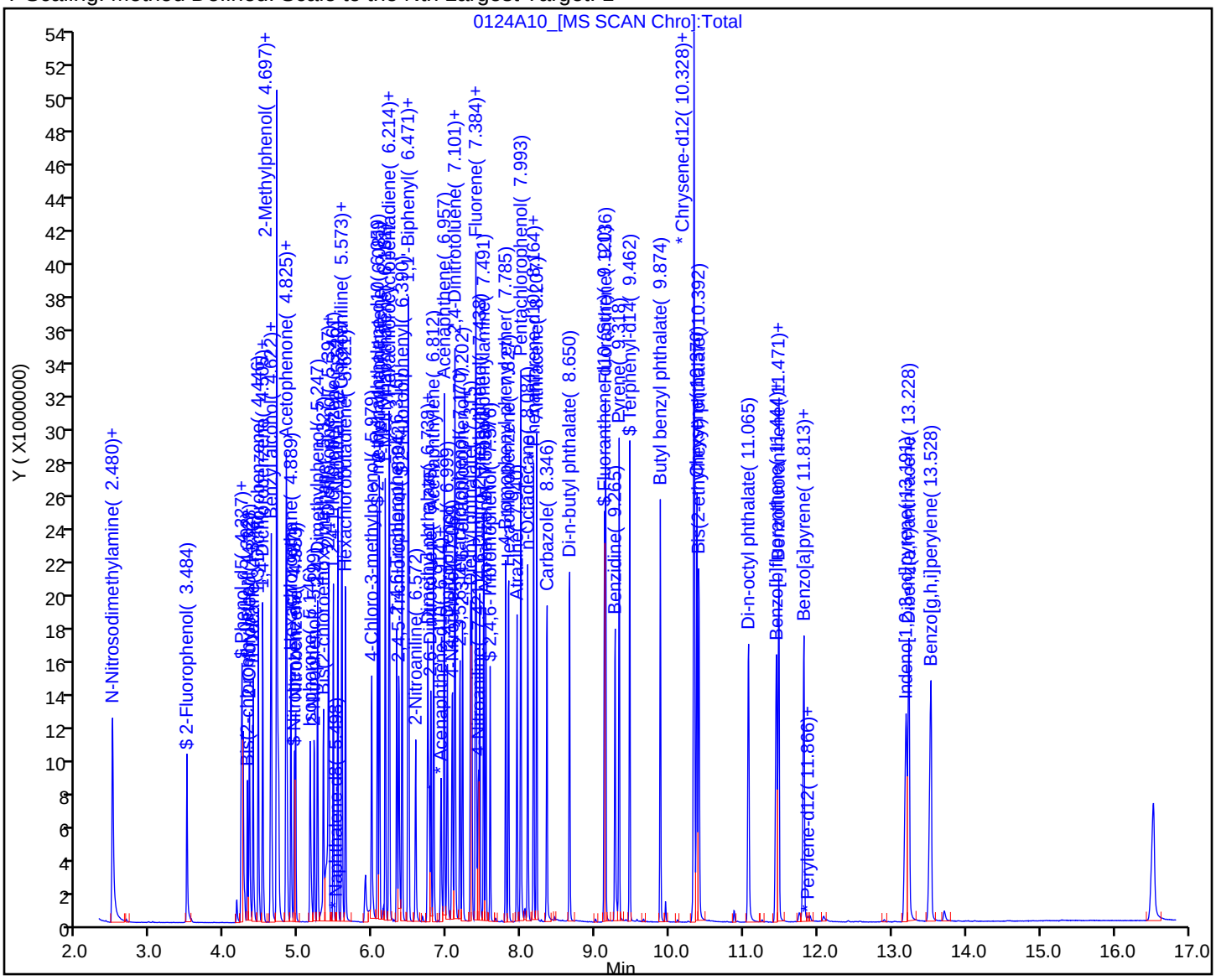
Client ID:

Operator ID: TL ALS Bottle#: 4 Worklist Smp#: 4

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Seattle

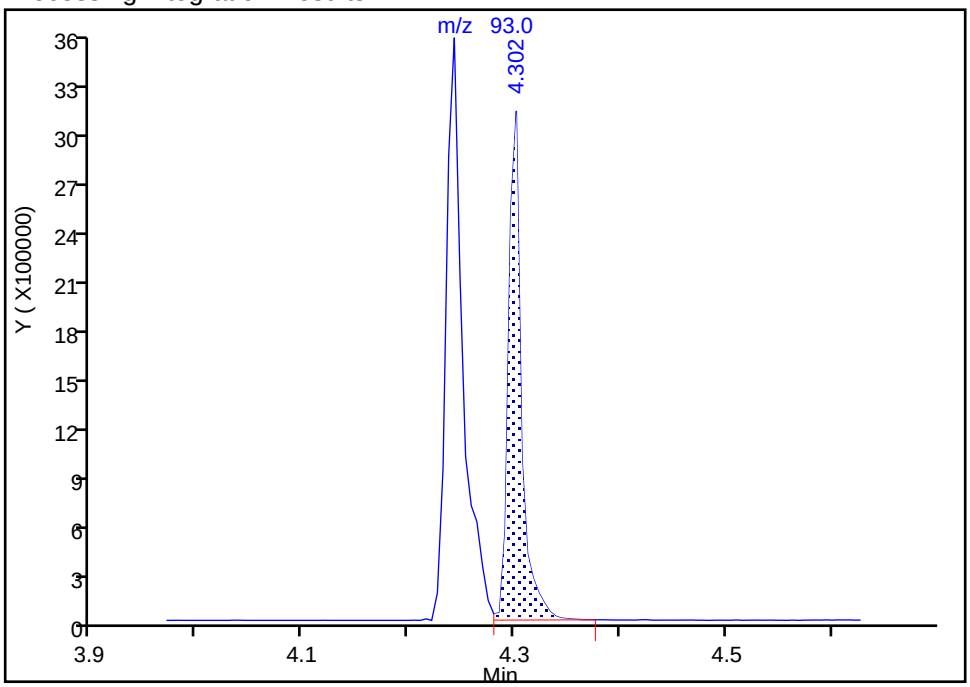
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A10_.D
Injection Date: 24-Jan-2022 17:04:30 Instrument ID: TAC051
Lims ID: STD10
Client ID:
Operator ID: TL ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

18 Aniline, CAS: 62-53-3

Signal: 1

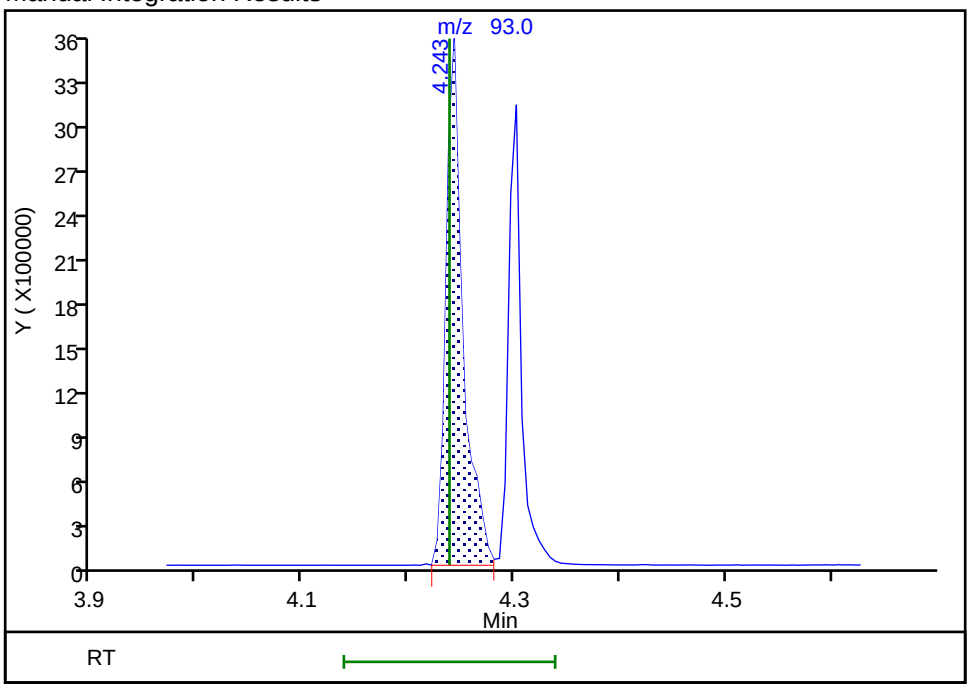
Processing Integration Results

RT: 4.30
Area: 2606332
Amount: 5783.1890
Amount Units: ug/L



Manual Integration Results

RT: 4.24
Area: 3911742
Amount: 8676.8577
Amount Units: ug/L



Reviewer: limmere, 27-Jan-2022 13:41:23
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Seattle

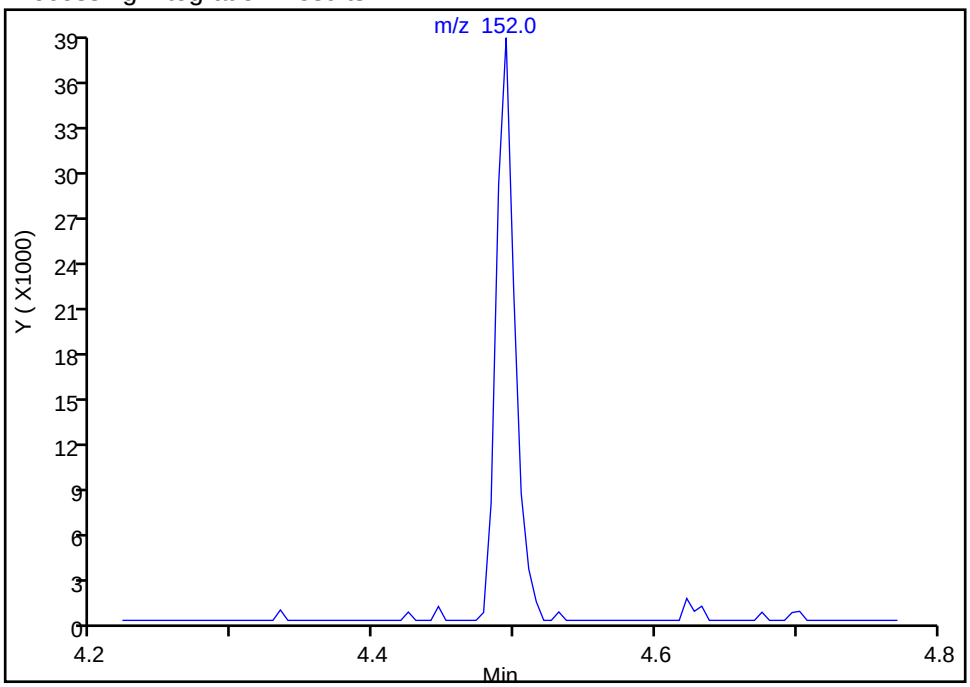
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A10_.D
Injection Date: 24-Jan-2022 17:04:30 Instrument ID: TAC051
Lims ID: STD10
Client ID:
Operator ID: TL ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

* 1 1,4-Dichlorobenzene-d4, CAS: 3855-82-1

Signal: 1

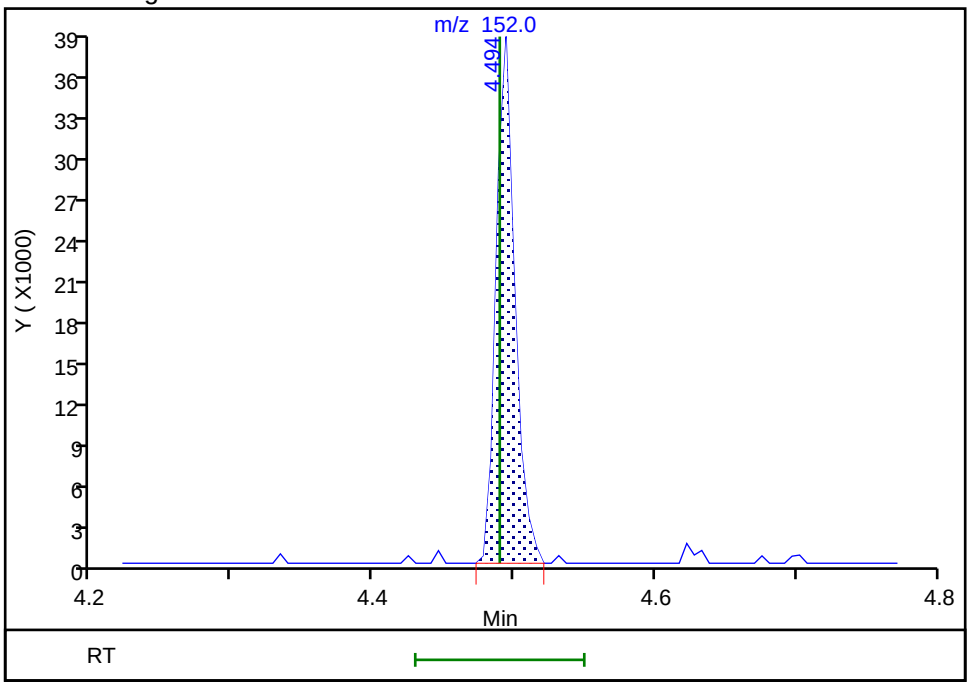
Processing Integration Results

Not Detected
Expected RT: 4.49



Manual Integration Results

RT: 4.49
Area: 35748
Amount: 100.0000
Amount Units: ug/L



Reviewer: limmere, 27-Jan-2022 13:41:14
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Seattle

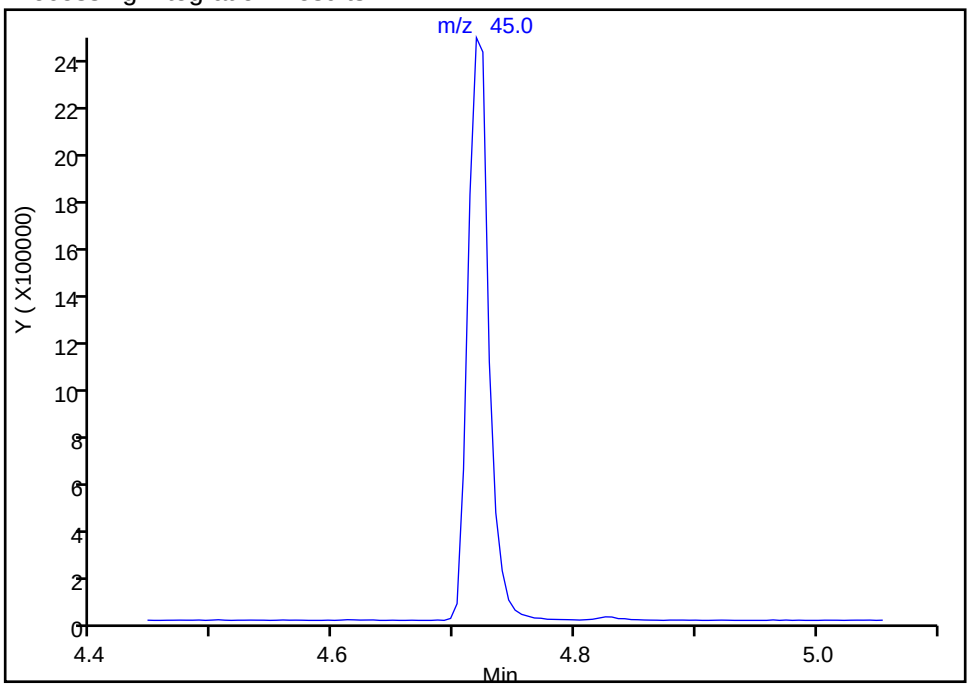
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A10_.D
Injection Date: 24-Jan-2022 17:04:30 Instrument ID: TAC051
Lims ID: STD10
Client ID:
Operator ID: TL ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

29 2,2'-oxybis[1-chloropropane], CAS: 108-60-1

Signal: 1

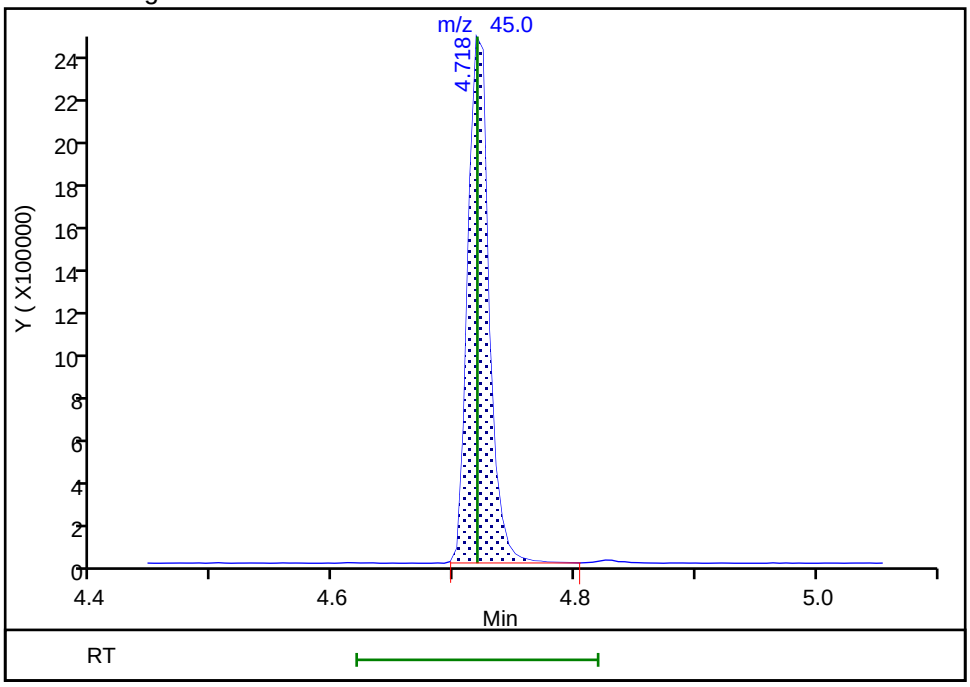
Not Detected
Expected RT: 4.72

Processing Integration Results



Manual Integration Results

RT: 4.72
Area: 2928233
Amount: 8441.5142
Amount Units: ug/L



Reviewer: limmere, 27-Jan-2022 13:41:19
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Seattle

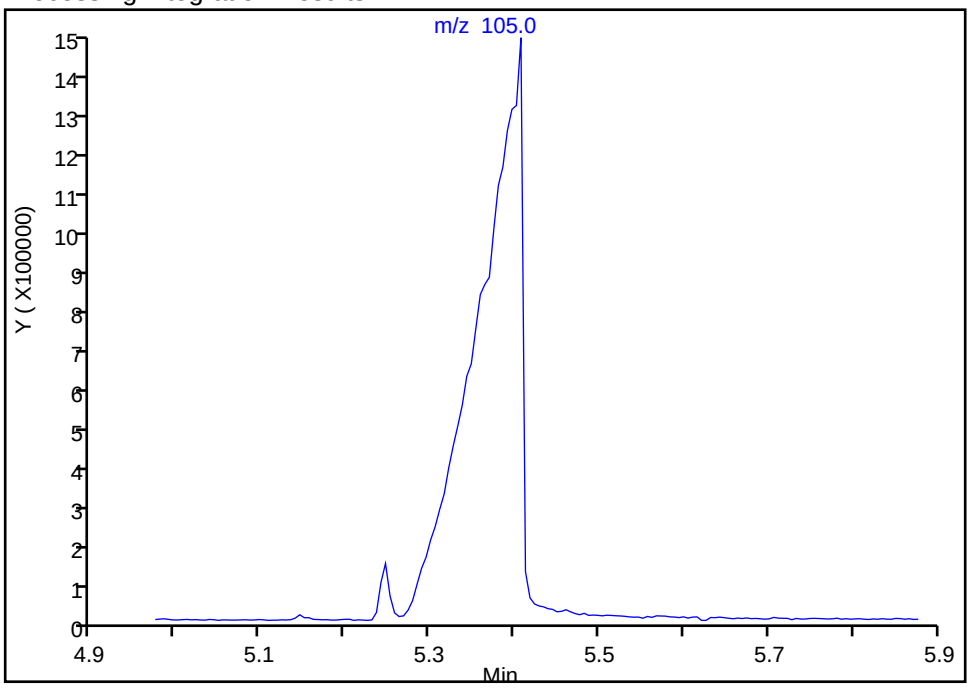
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A10_.D
Injection Date: 24-Jan-2022 17:04:30 Instrument ID: TAC051
Lims ID: STD10
Client ID:
Operator ID: TL ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

39 Benzoic acid, CAS: 65-85-0

Signal: 1

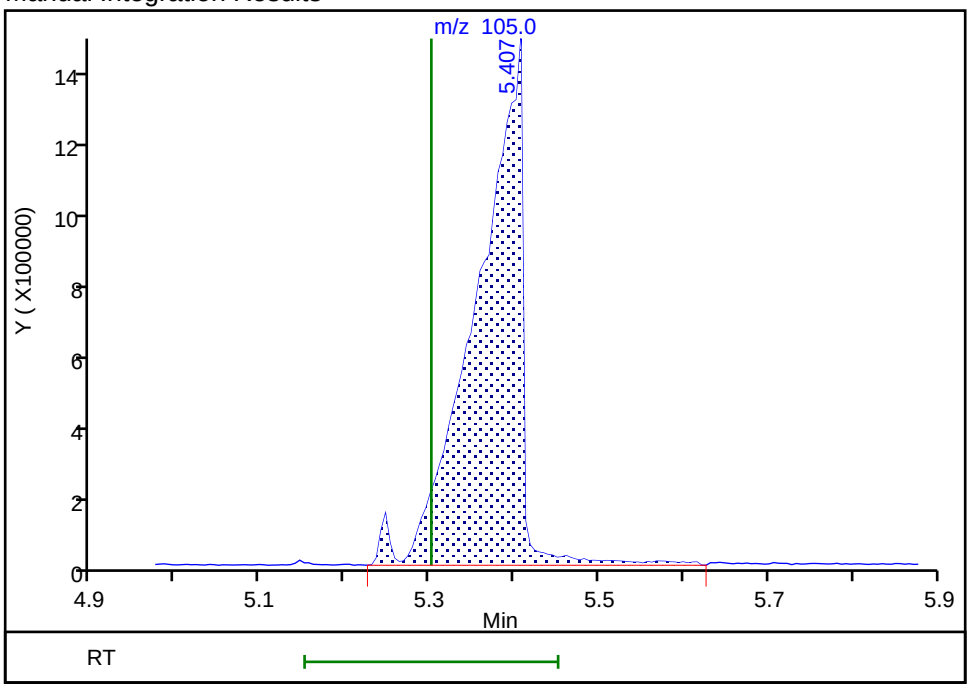
Not Detected
Expected RT: 5.30

Processing Integration Results



Manual Integration Results

RT: 5.41
Area: 5387119
Amount: 20034
Amount Units: ug/L



Reviewer: limmere, 27-Jan-2022 13:41:29
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Seattle

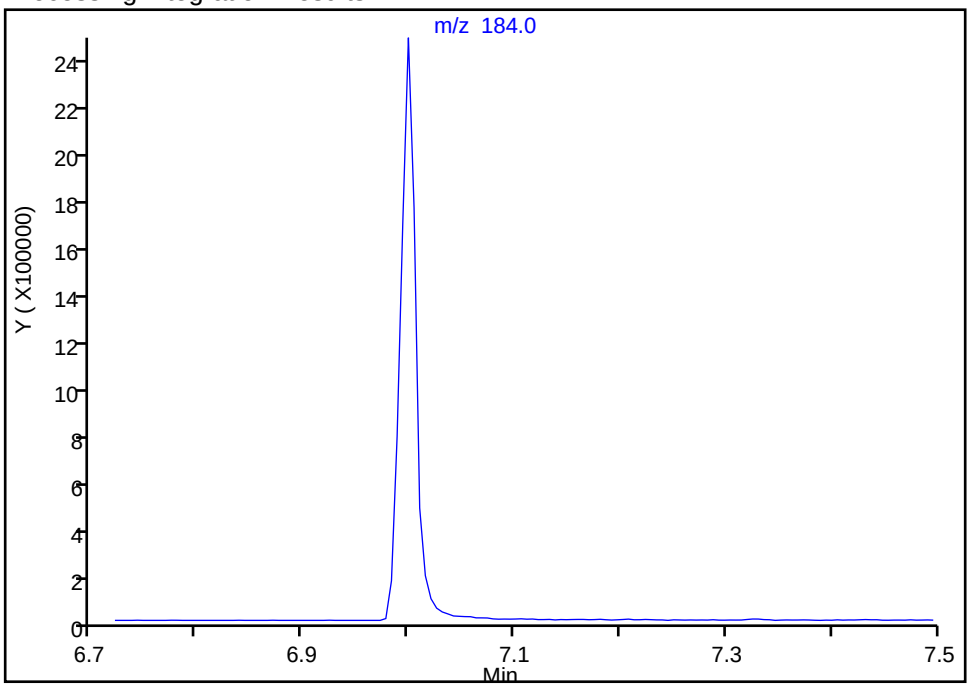
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A10_.D
Injection Date: 24-Jan-2022 17:04:30 Instrument ID: TAC051
Lims ID: STD10
Client ID:
Operator ID: TL ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

63 2,4-Dinitrophenol, CAS: 51-28-5

Signal: 1

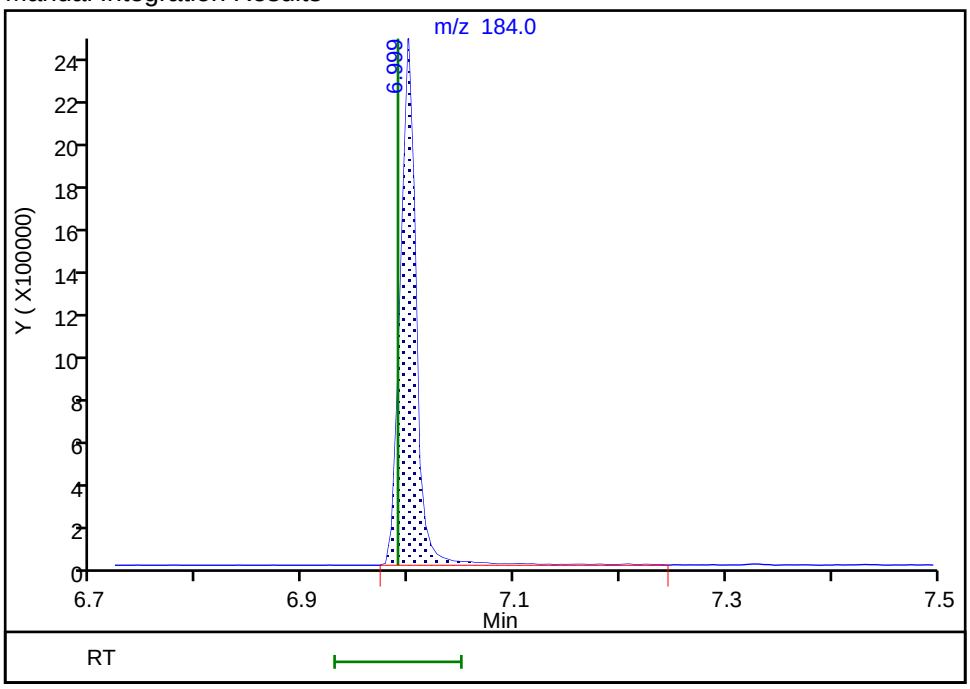
Not Detected
Expected RT: 6.99

Processing Integration Results



Manual Integration Results

RT: 7.00
Area: 2491838
Amount: 20325
Amount Units: ug/L



Reviewer: limmere, 27-Jan-2022 13:41:04
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A11_.D
Lims ID: STD9
Client ID:
Sample Type: IC Calib Level: 9
Inject. Date: 24-Jan-2022 17:28:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 9
Operator ID: TL Instrument ID: TAC051
Sublist: chrom-8270 TAC051*sub34

Method: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 28-Jan-2022 17:06:43 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: limmere Date: 25-Jan-2022 15:02:30

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.493	4.489	0.004	86	32046	100.0	100.0	
* 2 Naphthalene-d8	136	5.503	5.499	0.004	93	126226	100.0	100.0	
* 3 Acenaphthene-d10	164	6.929	6.925	0.004	35	69529	100.0	100.0	
* 4 Phenanthrene-d10	188	8.142	8.138	0.004	93	103934	100.0	100.0	
* 5 Chrysene-d12	240	10.338	10.334	0.004	48	85575	100.0	100.0	
* 6 Perylene-d12	264	11.866	11.862	0.004	89	93823	100.0	100.0	
$ 7 2-Fluorophenol	112	3.484	3.485	-0.001	87	1660042	5000.0	5557.1	
$ 8 Phenol-d5	99	4.210	4.212	-0.002	97	1869344	5000.0	5669.3	
$ 9 Nitrobenzene-d5	82	4.931	4.928	0.003	87	1521900	5000.0	5065.4	
$ 10 2-methylnaphthalene-d10	152	6.053	6.055	-0.002	0	3587509	NC	NC	
$ 11 2-Fluorobiphenyl	172	6.385	6.386	-0.001	97	4270070	5000.0	4618.7	
$ 12 2,4,6-Tribromophenol	330	7.576	7.572	0.004	88	785601	5000.0	5405.9	
$ 13 Fluoranthene-d10 (Surr)	212	9.120	9.116	0.004	0	5108271	NC	NC	
$ 14 Terphenyl-d14	244	9.462	9.458	0.004	98	3794742	5000.0	4874.9	
15 1,4-Dioxane	88	2.362	2.353	0.009	0	1793	NC	NC	
16 N-Nitrosodimethylamine	74	2.469	2.475	-0.006	75	744037	5000.0	5528.9	
17 Pyridine	79	2.479	2.492	-0.013	87	2527274	10000	10602	
19 Phenol	94	4.221	4.222	-0.001	97	1885852	5000.0	5859.2	
18 Aniline	93	4.237	4.238	-0.001	67	2047944	5000.0	5069.8	
20 Bis(2-chloroethyl)ether	93	4.296	4.297	-0.001	97	1412935	5000.0	5104.7	
21 2-Chlorophenol	128	4.328	4.324	0.004	66	2189408	5000.0	5644.1	
22 n-Decane	57	4.376	4.377	-0.001	89	1265178	5000.0	4998.7	
23 1,3-Dichlorobenzene	146	4.445	4.447	-0.002	97	2424476	5000.0	5248.6	
25 1,4-Dichlorobenzene	146	4.504	4.505	-0.001	95	2477692	5000.0	4941.3	
26 Benzyl alcohol	79	4.606	4.607	-0.001	92	1143127	5000.0	5783.9	
27 1,2-Dichlorobenzene	146	4.622	4.623	-0.001	97	2370683	5000.0	5048.7	
28 2-Methylphenol	108	4.696	4.692	0.004	57	1573928	5000.0	5851.4	
29 2,2'-oxybis[1-chloropropane]	45	4.718	4.719	-0.001	46	1630687	5000.0	5244.0	a
30 Acetophenone	105	4.814	4.810	0.004	96	2309817	5000.0	5692.4	
31 N-Nitrosodi-n-propylamine	70	4.819	4.815	0.004	73	906094	5000.0	5673.5	
32 3 & 4 Methylphenol	108	4.825	4.821	0.004	89	1579216	5000.0	5605.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
33 Hexachloroethane	117	4.883	4.885	-0.002	92	958843	5000.0	5272.8	
34 Nitrobenzene	77	4.948	4.944	0.004	86	1470537	5000.0	5370.8	
35 Isophorone	82	5.140	5.136	0.004	94	2615844	5000.0	5546.3	
36 2-Nitrophenol	139	5.199	5.200	-0.001	88	1162420	5000.0	5314.9	
37 2,4-Dimethylphenol	107	5.241	5.243	-0.002	93	1807128	5000.0	5642.7	
39 Benzoic acid	105	5.370	5.301	0.069	82	2738724	10000	10046	a
38 Bis(2-chloroethoxy)methane	93	5.321	5.323	-0.002	98	1636469	5000.0	5530.9	
40 2,4-Dichlorophenol	162	5.391	5.392	-0.001	80	1794662	5000.0	5297.1	
41 1,2,4-Trichlorobenzene	180	5.455	5.456	-0.001	95	1818176	5000.0	4710.4	
42 Naphthalene	128	5.519	5.515	0.004	97	5521644	5000.0	5208.9	
43 4-Chloroaniline	127	5.573	5.569	0.004	82	2365912	5000.0	5250.2	
44 2,6-Dichlorophenol	162	5.573	5.574	-0.001	85	1778591	5000.0	5049.1	
45 Hexachlorobutadiene	225	5.621	5.622	-0.001	93	1066820	5000.0	4656.6	
46 4-Chloro-3-methylphenol	107	5.973	5.969	0.004	87	1482131	5000.0	5314.9	
47 2-Methylnaphthalene	142	6.080	6.081	-0.001	83	3851996	5000.0	4684.3	
48 1-Methylnaphthalene	142	6.160	6.156	0.004	90	3734140	5000.0	4781.0	
49 Hexachlorocyclopentadiene	237	6.208	6.210	-0.002	92	1289587	5000.0	5257.0	
50 1,2,4,5-Tetrachlorobenzene	216	6.214	6.215	-0.001	95	1755031	5000.0	5031.7	
52 2,4,6-Trichlorophenol	196	6.315	6.311	0.004	88	1257370	5000.0	5488.2	
53 2,4,5-Trichlorophenol	196	6.342	6.343	-0.001	94	1346813	5000.0	5095.6	
54 1,1'-Biphenyl	154	6.465	6.461	0.004	96	4564025	5000.0	4524.7	
55 2-Chloronaphthalene	162	6.475	6.471	0.004	97	3667033	5000.0	4628.8	
56 2-Nitroaniline	138	6.566	6.568	-0.002	92	1348336	5000.0	5351.6	
57 Dimethyl phthalate	163	6.732	6.722	0.010	99	4185506	5000.0	5134.9	
58 1,3-Dinitrobenzene	168	6.748	6.744	0.004	80	733033	5000.0	5191.6	
59 2,6-Dinitrotoluene	165	6.775	6.765	0.009	64	1077271	5000.0	5172.4	
60 Acenaphthylene	152	6.812	6.808	0.004	95	5509536	5000.0	5177.3	
61 3-Nitroaniline	138	6.908	6.904	0.004	88	1071282	5000.0	5146.7	
62 Acenaphthene	153	6.956	6.952	0.004	93	3766831	5000.0	4629.5	
63 2,4-Dinitrophenol	184	6.994	6.990	0.004	84	1279146	10000	10057	a
64 4-Nitrophenol	109	7.058	7.048	0.010	83	1225638	10000	9795.4	
65 2,4-Dinitrotoluene	165	7.100	7.096	0.004	62	1374334	5000.0	5024.6	
66 Dibenzofuran	168	7.100	7.096	0.004	87	5012656	5000.0	4845.6	
51 2,3,5,6-Tetrachlorophenol	232	7.164	7.166	-0.002	88	966835	5000.0	5257.8	
67 2,3,4,6-Tetrachlorophenol	232	7.202	7.198	0.004	74	1066016	5000.0	5010.2	
68 Diethyl phthalate	149	7.309	7.299	0.010	98	4312494	5000.0	4784.9	
69 Fluorene	166	7.378	7.374	0.004	82	4108288	5000.0	4990.4	
70 4-Chlorophenyl phenyl ether	204	7.384	7.385	-0.001	88	1870819	5000.0	4937.0	
71 4-Nitroaniline	138	7.410	7.401	0.009	34	989483	5000.0	5054.7	
72 4,6-Dinitro-2-methylphenol	198	7.432	7.422	0.010	84	1443908	10000	10748	
73 N-Nitrosodiphenylamine	169	7.485	7.481	0.004	61	3054845	5000.0	5536.7	
74 Azobenzene	77	7.517	7.513	0.004	91	2889028	5000.0	5024.4	
75 4-Bromophenyl phenyl ether	248	7.784	7.786	-0.002	59	1147061	5000.0	5231.6	
76 Hexachlorobenzene	284	7.822	7.818	0.004	84	1289466	5000.0	4800.6	
77 Atrazine	200	7.934	7.930	0.004	92	1186308	5000.0	5016.5	
78 Pentachlorophenol	266	7.987	7.983	0.004	87	1690585	10000	10794	
79 n-Octadecane	57	8.083	8.085	-0.002	92	1607173	5000.0	5171.0	
80 Phenanthrene	178	8.158	8.160	-0.001	97	5255844	5000.0	5238.1	
81 Anthracene	178	8.201	8.197	0.004	97	5365074	5000.0	5290.5	
83 Carbazole	167	8.340	8.336	0.004	83	4194838	5000.0	5032.9	
84 Di-n-butyl phthalate	149	8.644	8.646	-0.002	100	6444929	5000.0	5435.9	
85 Fluoranthene	202	9.136	9.132	0.004	96	5421432	5000.0	5275.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
88 Benzidine	184	9.259	9.260	-0.001	98	3023406	10000	9952.6	
89 Pyrene	202	9.317	9.313	0.004	96	5615456	5000.0	5264.1	
94 Butyl benzyl phthalate	149	9.873	9.869	0.004	93	3084606	5000.0	5307.4	
96 3,3'-Dichlorobenzidine	252	10.322	10.318	0.004	72	3367556	10000	10102	
97 Benzo[a]anthracene	228	10.327	10.323	0.004	99	4971440	5000.0	5140.6	
99 Chrysene	228	10.364	10.360	0.004	91	4943043	5000.0	5136.0	
98 Bis(2-ethylhexyl) phthalate	149	10.391	10.393	-0.001	78	4146254	5000.0	4895.7	
100 Di-n-octyl phthalate	149	11.059	11.055	0.004	98	6987870	5000.0	5625.4	
101 Benzo[b]fluoranthene	252	11.433	11.424	0.009	96	5227145	5000.0	5021.0	
102 Benzofluoranthene	252	11.465	11.456	0.009	1	10361259	10000	8986.7	
103 Benzo[k]fluoranthene	252	11.465	11.456	0.009	93	5370634	5000.0	4264.0	
104 Benzo[a]pyrene	252	11.801	11.792	0.009	74	4696887	5000.0	4895.1	
105 Indeno[1,2,3-cd]pyrene	276	13.180	13.165	0.015	91	4974655	5000.0	5184.7	
106 Dibenz(a,h)anthracene	278	13.217	13.208	0.009	75	5303630	5000.0	5116.0	
107 Benzo[g,h,i]perylene	276	13.511	13.496	0.015	93	5489900	5000.0	5047.2	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

a - User Assigned ID

Reagents:

8270_ic_stk_00062	Amount Added: 50.00	Units: uL
8270SIM_IS_00069	Amount Added: 10.00	Units: uL

Report Date: 28-Jan-2022 17:06:44 Chrom Revision: 2.3 18-Jan-2022 20:25:40

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A11_.D

Injection Date: 24-Jan-2022 17:28:30 Instrument ID: TAC051

Lims ID: STD9

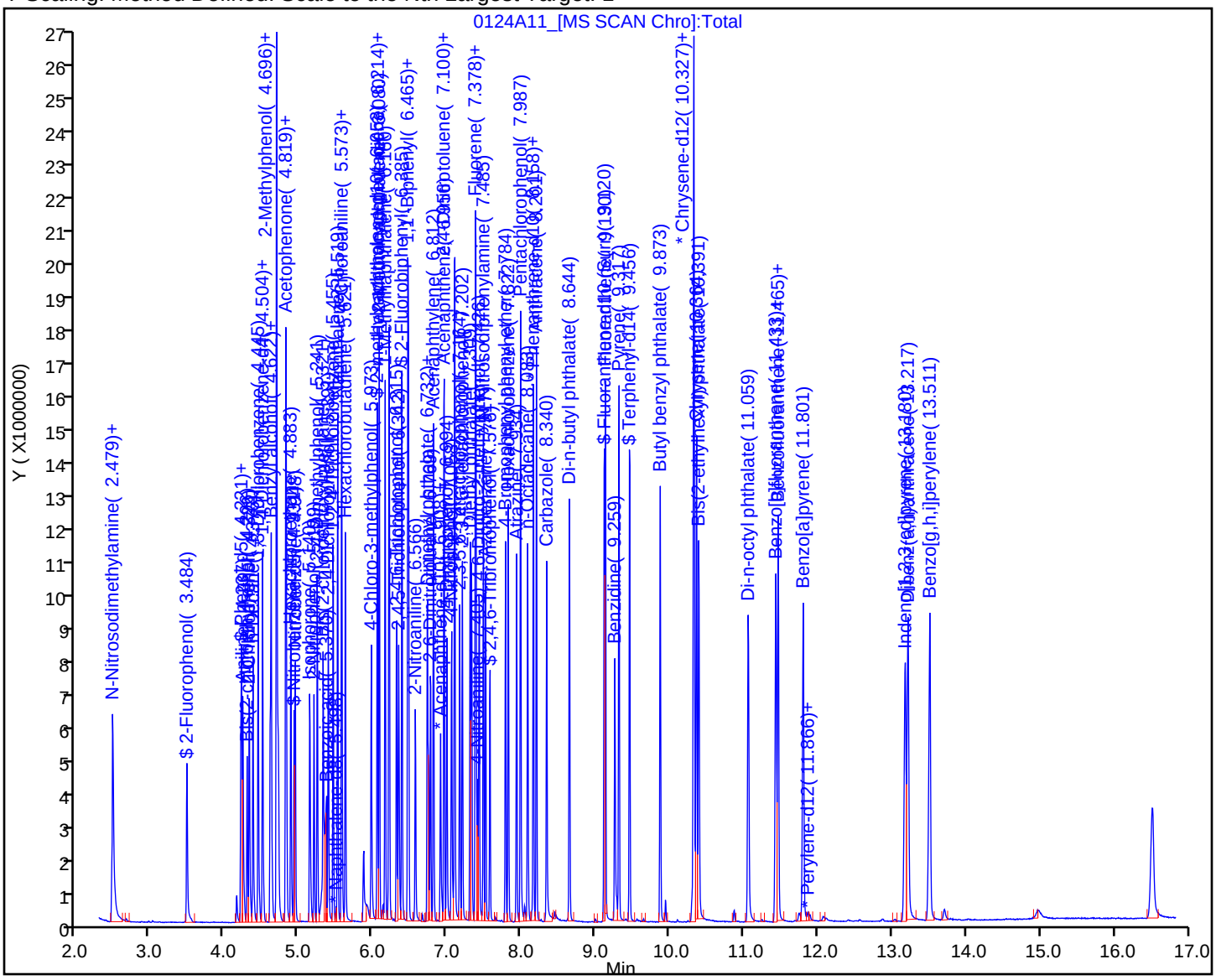
Client ID:

Operator ID: TL ALS Bottle#: 5 Worklist Smp#: 5

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Seattle

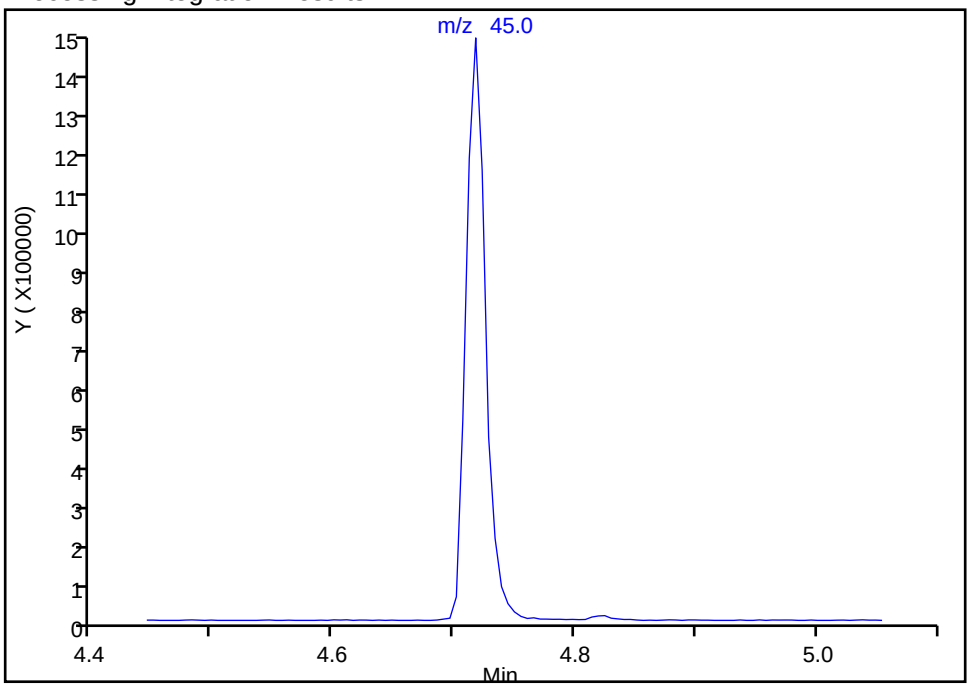
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A11_.D
Injection Date: 24-Jan-2022 17:28:30 Instrument ID: TAC051
Lims ID: STD9
Client ID:
Operator ID: TL ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

29 2,2'-oxybis[1-chloropropane], CAS: 108-60-1

Signal: 1

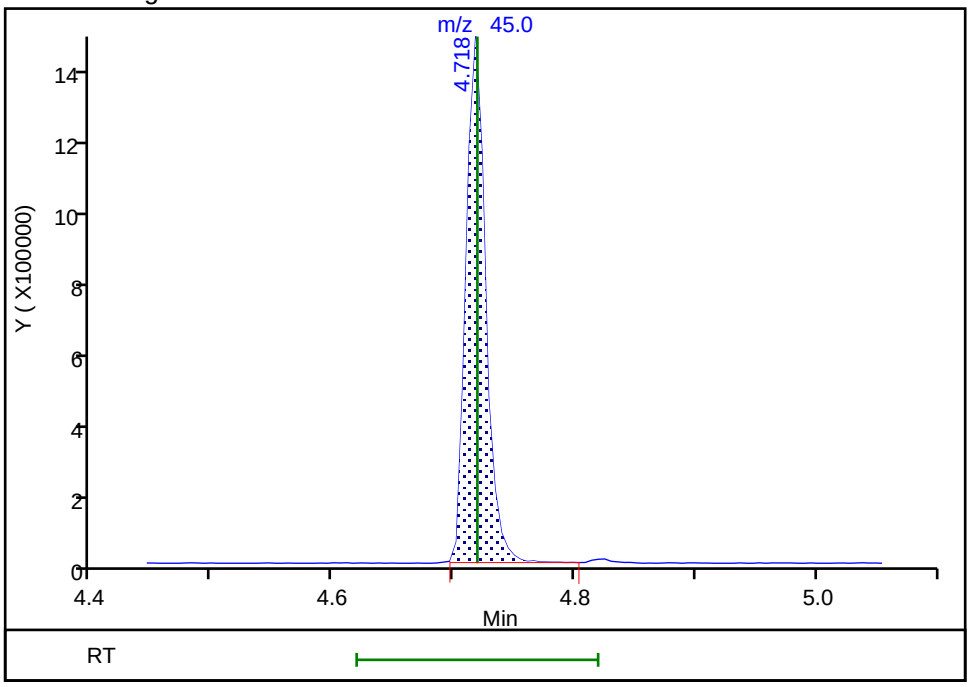
Not Detected
Expected RT: 4.72

Processing Integration Results



Manual Integration Results

RT: 4.72
Area: 1630687
Amount: 5244.0069
Amount Units: ug/L



Reviewer: limmere, 27-Jan-2022 13:42:07
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Seattle

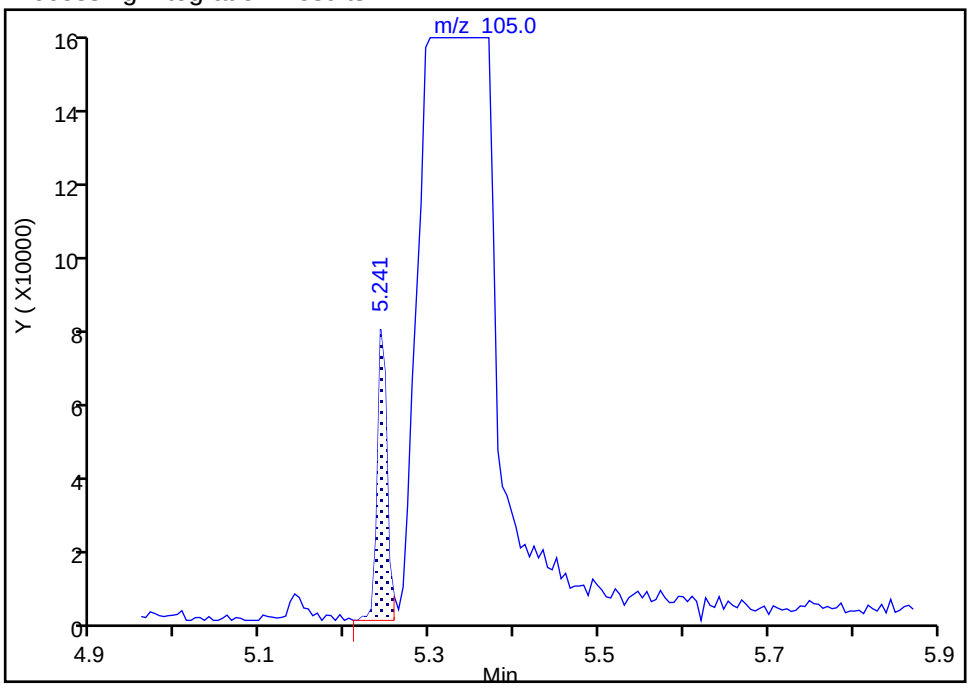
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A11_.D
Injection Date: 24-Jan-2022 17:28:30 Instrument ID: TAC051
Lims ID: STD9
Client ID:
Operator ID: TL ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

39 Benzoic acid, CAS: 65-85-0

Signal: 1

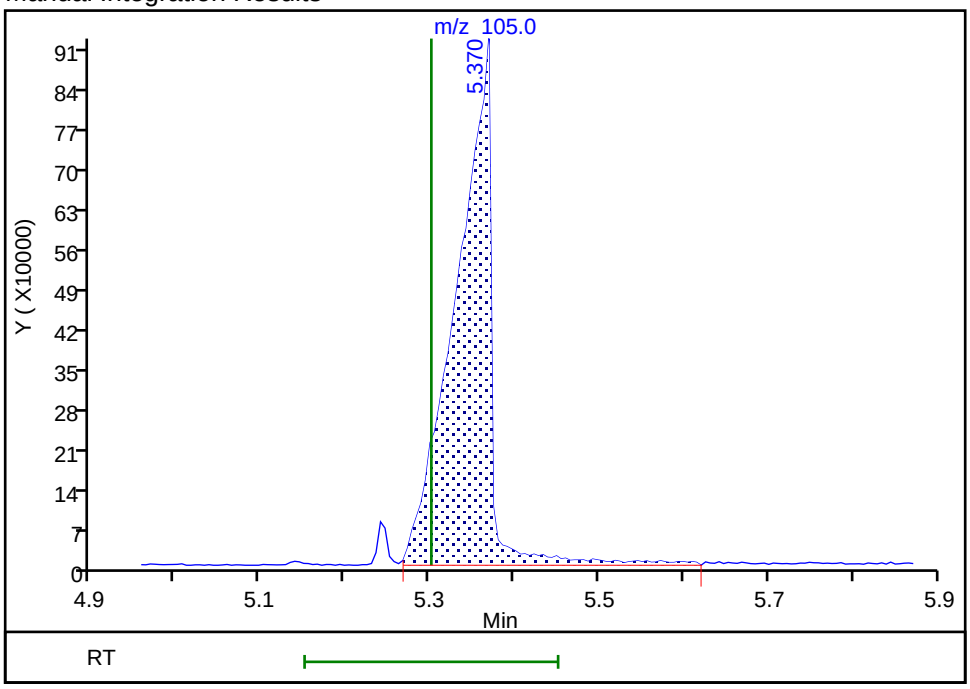
Processing Integration Results

RT: 5.24
Area: 61367
Amount: 536.5393
Amount Units: ug/L



Manual Integration Results

RT: 5.37
Area: 2738724
Amount: 10046
Amount Units: ug/L



Reviewer: mohammedj, 27-Jan-2022 14:45:18
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Seattle

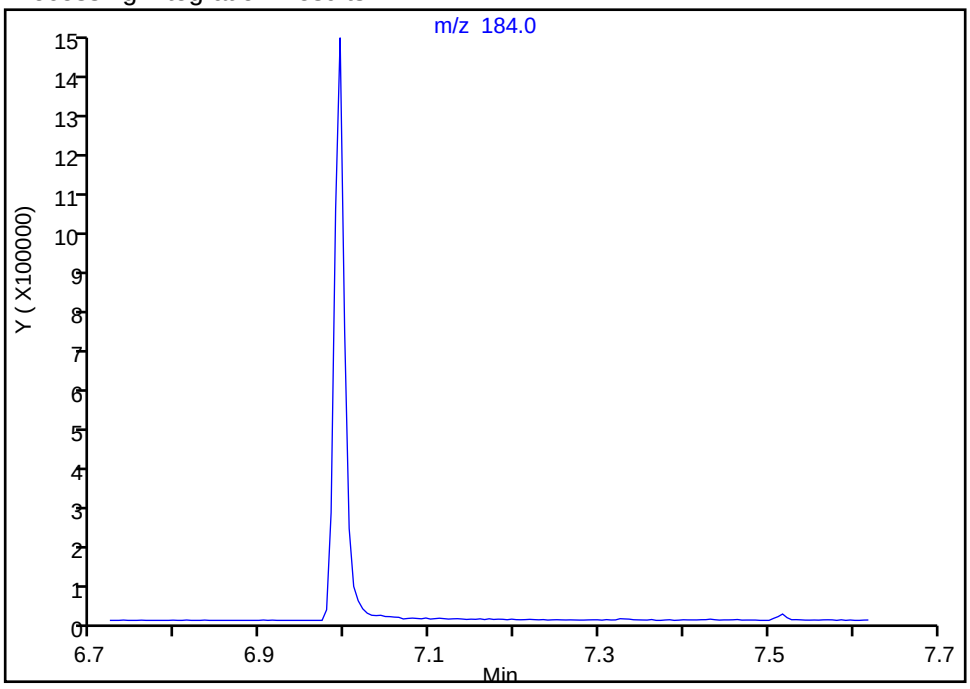
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A11_.D
Injection Date: 24-Jan-2022 17:28:30 Instrument ID: TAC051
Lims ID: STD9
Client ID:
Operator ID: TL ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

63 2,4-Dinitrophenol, CAS: 51-28-5

Signal: 1

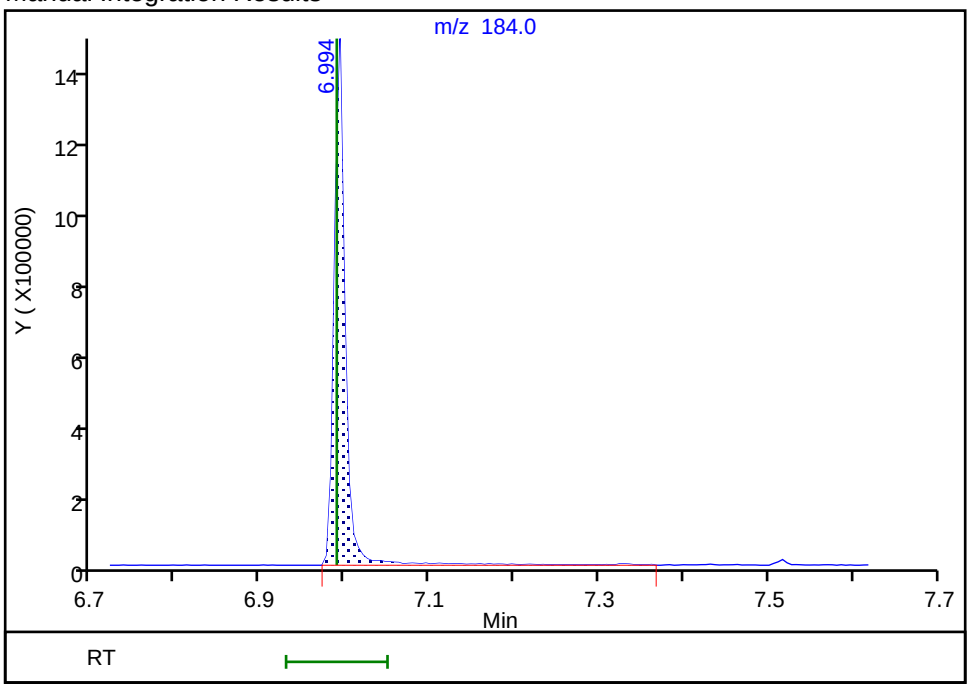
Not Detected
Expected RT: 6.99

Processing Integration Results



Manual Integration Results

RT: 6.99
Area: 1279146
Amount: 10057
Amount Units: ug/L



Reviewer: limmere, 27-Jan-2022 13:41:56
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A12_.D
Lims ID: STD8
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 24-Jan-2022 17:51:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 8
Operator ID: TL Instrument ID: TAC051
Sublist: chrom-8270 TAC051*sub34

Method: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 28-Jan-2022 17:06:47 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: limmere Date: 25-Jan-2022 15:03:07

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.491	4.489	0.002	77	33467	100.0	100.0	a
* 2 Naphthalene-d8	136	5.501	5.499	0.002	94	129957	100.0	100.0	
* 3 Acenaphthene-d10	164	6.927	6.925	0.002	42	65966	100.0	100.0	
* 4 Phenanthrene-d10	188	8.140	8.138	0.002	95	103195	100.0	100.0	
* 5 Chrysene-d12	240	10.335	10.334	0.001	44	88740	100.0	100.0	
* 6 Perylene-d12	264	11.858	11.862	-0.004	87	87987	100.0	100.0	
$ 7 2-Fluorophenol	112	3.481	3.485	-0.004	87	621440	2000.0	1995.0	
$ 8 Phenol-d5	99	4.208	4.212	-0.004	98	707780	2000.0	2054.4	
$ 9 Nitrobenzene-d5	82	4.929	4.928	0.001	88	582610	2000.0	1883.5	
$ 10 2-methylnaphthalene-d10	152	6.051	6.055	-0.004	0	1417896	NC	NC	
$ 11 2-Fluorobiphenyl	172	6.382	6.386	-0.004	99	1706929	2000.0	1946.0	
$ 12 2,4,6-Tribromophenol	330	7.573	7.572	0.001	87	279682	2000.0	1963.5	
$ 13 Fluoranthene-d10 (Surr)	212	9.117	9.116	0.001	0	2072596	NC	NC	
$ 14 Terphenyl-d14	244	9.459	9.458	0.001	99	1529297	2000.0	1978.7	
15 1,4-Dioxane	88	2.349	2.353	-0.004	1	4137	NC	NC	
16 N-Nitrosodimethylamine	74	2.472	2.475	-0.003	76	269153	2000.0	1930.9	
17 Pyridine	79	2.482	2.492	-0.010	88	963115	4000.0	3903.7	
19 Phenol	94	4.219	4.222	-0.004	97	719856	2000.0	2141.6	
18 Aniline	93	4.240	4.238	0.002	59	815352	2000.0	1936.4	
20 Bis(2-chloroethyl)ether	93	4.293	4.297	-0.004	97	554075	2000.0	1916.8	
21 2-Chlorophenol	128	4.325	4.324	0.001	67	824994	2000.0	2036.5	
22 n-Decane	57	4.373	4.377	-0.004	92	493704	2000.0	1867.8	
23 1,3-Dichlorobenzene	146	4.443	4.447	-0.004	98	927931	2000.0	1923.5	
25 1,4-Dichlorobenzene	146	4.507	4.505	0.002	97	958150	2000.0	1829.7	
26 Benzyl alcohol	79	4.603	4.607	-0.004	93	432001	2000.0	2097.7	
27 1,2-Dichlorobenzene	146	4.619	4.623	-0.004	97	923363	2000.0	1882.9	
28 2-Methylphenol	108	4.694	4.692	0.002	55	599419	2000.0	2133.8	
29 2,2'-oxybis[1-chloropropane]	45	4.715	4.719	-0.004	47	620330	2000.0	1910.2	a
30 Acetophenone	105	4.811	4.810	0.001	96	879561	2000.0	2075.6	
31 N-Nitrosodi-n-propylamine	70	4.817	4.815	0.002	79	333139	2000.0	1997.4	
32 3 & 4 Methylphenol	108	4.822	4.821	0.001	88	603891	2000.0	2056.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
33 Hexachloroethane	117	4.886	4.885	0.001	88	359498	2000.0	1893.0	
34 Nitrobenzene	77	4.945	4.944	0.001	86	564801	2000.0	1980.8	
35 Isophorone	82	5.137	5.136	0.001	94	1001416	2000.0	2033.1	
36 2-Nitrophenol	139	5.196	5.200	-0.004	89	445738	2000.0	1984.1	
37 2,4-Dimethylphenol	107	5.239	5.243	-0.004	93	694752	2000.0	2080.2	
39 Benzoic acid	105	5.324	5.301	0.023	47	1051632	4000.0	3957.1	
38 Bis(2-chloroethoxy)methane	93	5.319	5.323	-0.004	97	624017	2000.0	2019.5	
40 2,4-Dichlorophenol	162	5.388	5.392	-0.004	89	661249	2000.0	1906.4	
41 1,2,4-Trichlorobenzene	180	5.458	5.456	0.002	92	703731	2000.0	1770.8	
42 Naphthalene	128	5.517	5.515	0.002	96	2306526	2000.0	1844.8	
43 4-Chloroaniline	127	5.570	5.569	0.001	81	853626	2000.0	1856.0	
44 2,6-Dichlorophenol	162	5.570	5.574	-0.004	87	668074	2000.0	1960.0	
45 Hexachlorobutadiene	225	5.623	5.622	0.001	95	407934	2000.0	1729.5	
46 4-Chloro-3-methylphenol	107	5.971	5.969	0.002	88	540762	2000.0	2067.0	
47 2-Methylnaphthalene	142	6.078	6.081	-0.003	79	1549313	2000.0	1830.0	
48 1-Methylnaphthalene	142	6.158	6.156	0.002	81	1453189	2000.0	1807.2	
49 Hexachlorocyclopentadiene	237	6.206	6.210	-0.004	92	474427	2000.0	2038.5	
50 1,2,4,5-Tetrachlorobenzene	216	6.216	6.215	0.001	94	664954	2000.0	1942.3	
52 2,4,6-Trichlorophenol	196	6.313	6.311	0.002	89	438775	2000.0	2038.3	
53 2,4,5-Trichlorophenol	196	6.345	6.343	0.002	96	489699	2000.0	1980.1	
54 1,1'-Biphenyl	154	6.462	6.461	0.001	95	1833985	2000.0	1916.4	
55 2-Chloronaphthalene	162	6.473	6.471	0.002	97	1437621	2000.0	1912.7	
56 2-Nitroaniline	138	6.564	6.568	-0.004	92	459472	2000.0	2073.1	
57 Dimethyl phthalate	163	6.724	6.722	0.002	99	1607770	2000.0	2076.9	
58 1,3-Dinitrobenzene	168	6.740	6.744	-0.004	82	254656	2000.0	2043.0	
59 2,6-Dinitrotoluene	165	6.767	6.765	0.002	68	396420	2000.0	2026.5	
60 Acenaphthylene	152	6.809	6.808	0.001	90	2253492	2000.0	2079.4	
61 3-Nitroaniline	138	6.906	6.904	0.002	85	394436	2000.0	2042.1	
62 Acenaphthene	153	6.954	6.952	0.002	92	1479588	2000.0	1916.6	
63 2,4-Dinitrophenol	184	6.991	6.990	0.001	73	423163	4000.0	3785.4	a
64 4-Nitrophenol	109	7.050	7.048	0.002	85	411039	4000.0	3970.2	
65 2,4-Dinitrotoluene	165	7.093	7.096	-0.003	63	514538	2000.0	2018.9	
66 Dibenzofuran	168	7.098	7.096	0.002	88	2088576	2000.0	2128.0	
51 2,3,5,6-Tetrachlorophenol	232	7.162	7.166	-0.004	88	361812	2000.0	2098.7	
67 2,3,4,6-Tetrachlorophenol	232	7.199	7.198	0.001	72	399267	2000.0	1993.6	
68 Diethyl phthalate	149	7.306	7.299	0.007	97	1696159	2000.0	1983.6	
69 Fluorene	166	7.376	7.374	0.002	83	1641956	2000.0	2102.2	
70 4-Chlorophenyl phenyl ether	204	7.386	7.385	0.001	90	737588	2000.0	2051.6	
71 4-Nitroaniline	138	7.402	7.401	0.001	34	335166	2000.0	1846.5	
72 4,6-Dinitro-2-methylphenol	198	7.424	7.422	0.002	83	499883	4000.0	3866.3	
73 N-Nitrosodiphenylamine	169	7.483	7.481	0.002	59	1171768	2000.0	2139.0	
74 Azobenzene	77	7.515	7.513	0.002	89	1109354	2000.0	1945.5	
75 4-Bromophenyl phenyl ether	248	7.782	7.786	-0.004	60	435582	2000.0	1922.8	
76 Hexachlorobenzene	284	7.819	7.818	0.001	83	492581	2000.0	1847.0	
77 Atrazine	200	7.931	7.930	0.001	94	454389	2000.0	2036.0	
78 Pentachlorophenol	266	7.985	7.983	0.002	86	606919	4000.0	3995.3	
79 n-Octadecane	57	8.081	8.085	-0.004	91	601553	2000.0	1864.5	
80 Phenanthrene	178	8.156	8.160	-0.003	97	2154658	2000.0	1917.7	
81 Anthracene	178	8.198	8.197	0.001	97	2210236	2000.0	1897.7	
83 Carbazole	167	8.337	8.336	0.001	86	1688495	2000.0	1869.4	
84 Di-n-butyl phthalate	149	8.647	8.646	0.001	99	2675585	2000.0	1910.6	
85 Fluoranthene	202	9.133	9.132	0.001	96	2272893	2000.0	1912.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
88 Benzidine	184	9.256	9.260	-0.004	98	948099	4000.0	3203.0	
89 Pyrene	202	9.315	9.313	0.002	98	2343078	2000.0	1916.0	
94 Butyl benzyl phthalate	149	9.870	9.869	0.001	93	1169116	2000.0	1843.2	
96 3,3'-Dichlorobenzidine	252	10.319	10.318	0.001	70	1342115	4000.0	3759.6	
97 Benzo[a]anthracene	228	10.325	10.323	0.002	99	2000496	2000.0	1834.1	
99 Chrysene	228	10.362	10.360	0.002	93	2040111	2000.0	1803.0	
98 Bis(2-ethylhexyl) phthalate	149	10.394	10.393	0.002	76	1655943	2000.0	1978.3	
100 Di-n-octyl phthalate	149	11.056	11.055	0.001	98	2735228	2000.0	2348.0	
101 Benzo[b]fluoranthene	252	11.425	11.424	0.001	93	2022914	2000.0	2073.4	
102 Benzofluoranthene	252	11.457	11.456	0.001	1	4246638	4000.0	3927.6	
103 Benzo[k]fluoranthene	252	11.457	11.456	0.001	98	2314015	2000.0	1959.1	
104 Benzo[a]pyrene	252	11.794	11.792	0.002	75	1838099	2000.0	2045.5	
105 Indeno[1,2,3-cd]pyrene	276	13.167	13.165	0.002	94	1869567	2000.0	2083.6	
106 Dibenz(a,h)anthracene	278	13.209	13.208	0.001	73	2039921	2000.0	2106.5	
107 Benzo[g,h,i]perylene	276	13.498	13.496	0.002	91	2196860	2000.0	2012.8	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

a - User Assigned ID

Reagents:

8270_ic_stk_00062	Amount Added: 20.00	Units: uL
8270SIM_IS_00069	Amount Added: 10.00	Units: uL

Report Date: 28-Jan-2022 17:06:48 Chrom Revision: 2.3 18-Jan-2022 20:25:40

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A12_.D

Injection Date: 24-Jan-2022 17:51:30 Instrument ID: TAC051

Lims ID: STD8

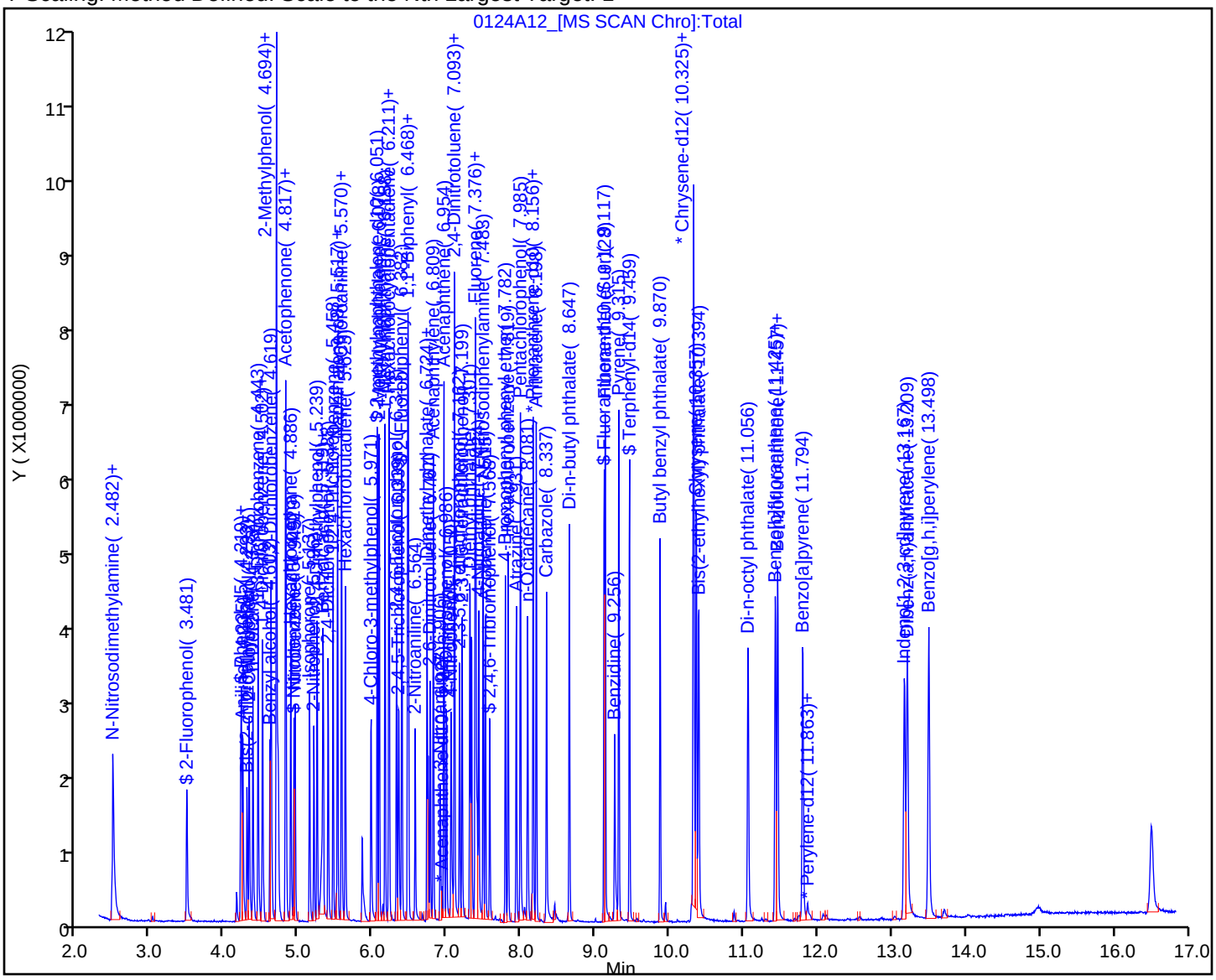
Client ID:

Operator ID: TL ALS Bottle#: 6 Worklist Smp#: 6

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Seattle

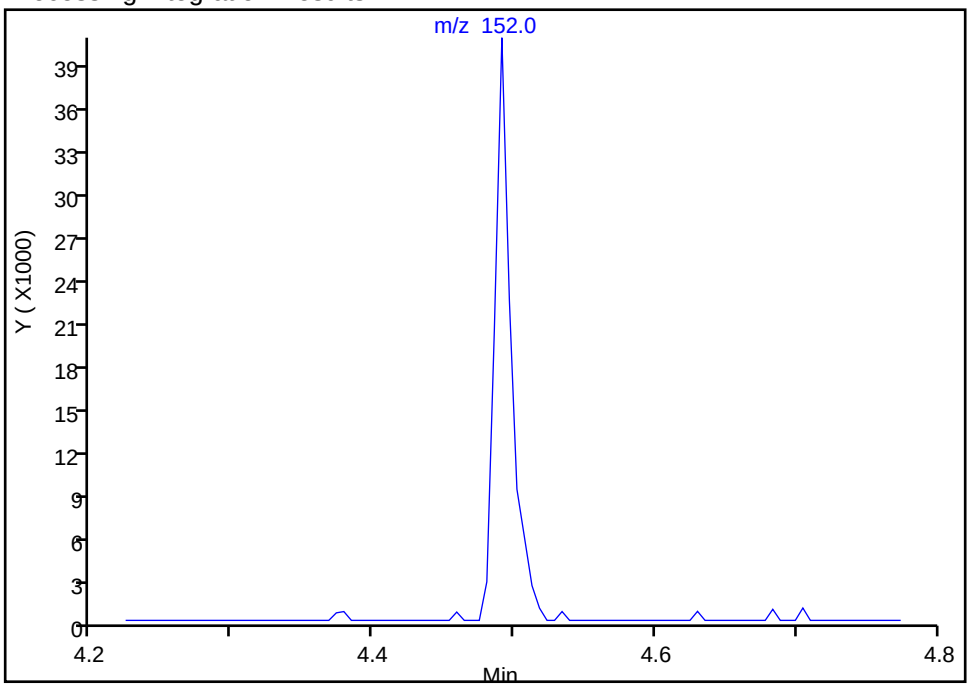
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A12_.D
Injection Date: 24-Jan-2022 17:51:30 Instrument ID: TAC051
Lims ID: STD8
Client ID:
Operator ID: TL ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

* 1 1,4-Dichlorobenzene-d4, CAS: 3855-82-1

Signal: 1

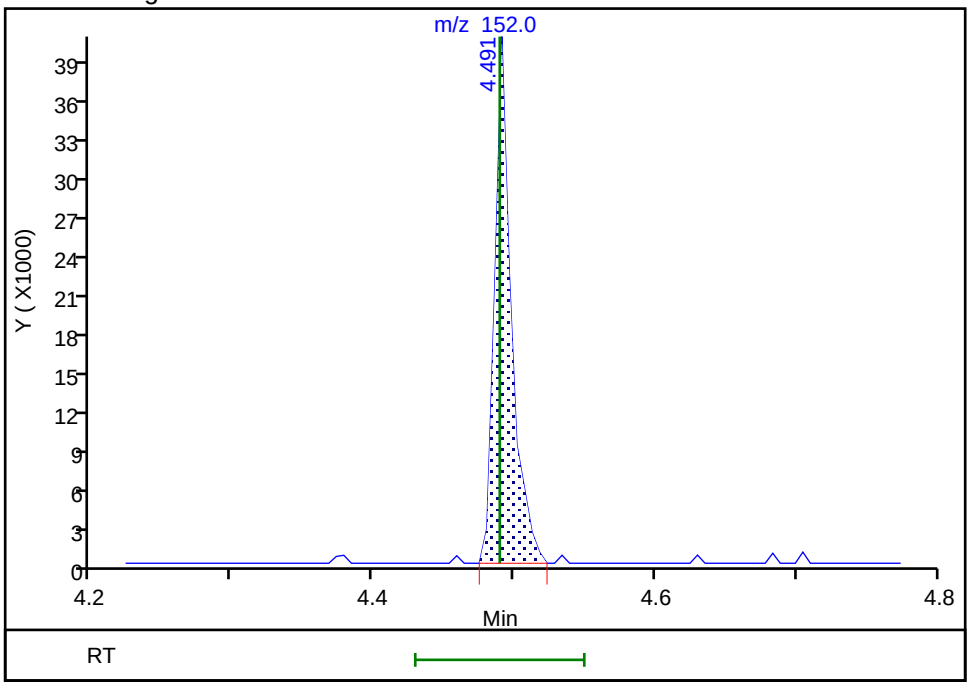
Not Detected
Expected RT: 4.49

Processing Integration Results



Manual Integration Results

RT: 4.49
Area: 33467
Amount: 100.0000
Amount Units: ug/L



Reviewer: limmere, 27-Jan-2022 13:42:26
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Seattle

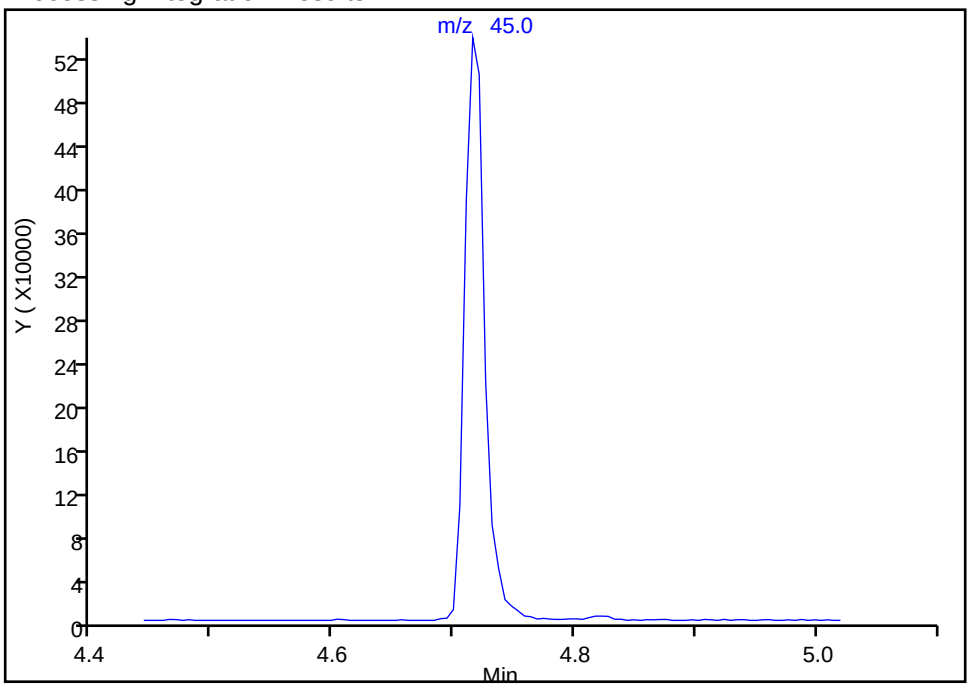
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A12_.D
Injection Date: 24-Jan-2022 17:51:30 Instrument ID: TAC051
Lims ID: STD8
Client ID:
Operator ID: TL ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

29 2,2'-oxybis[1-chloropropane], CAS: 108-60-1

Signal: 1

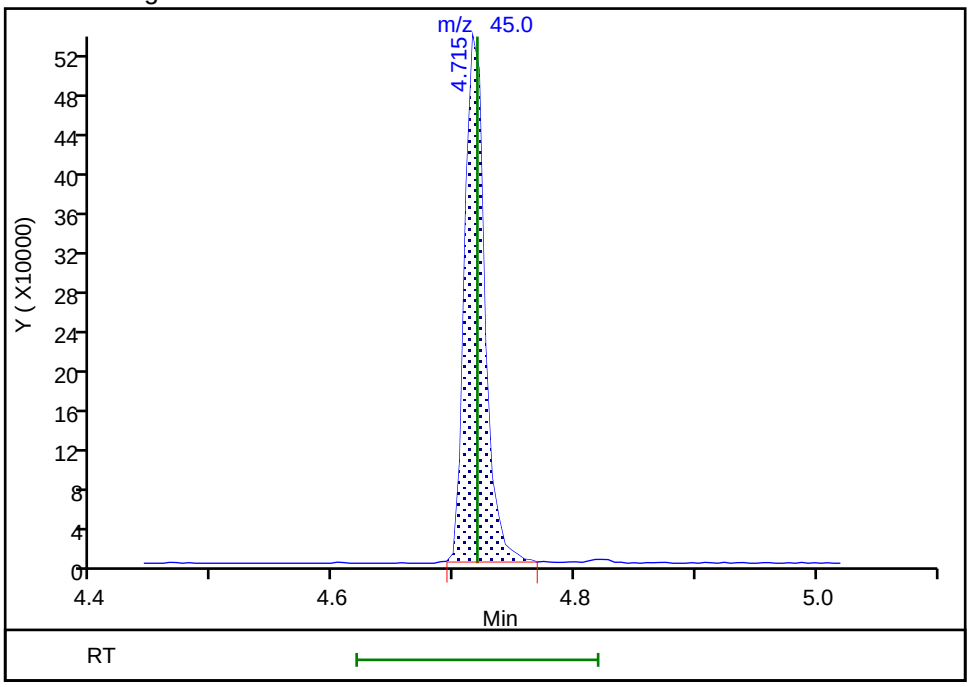
Not Detected
Expected RT: 4.72

Processing Integration Results



Manual Integration Results

RT: 4.72
Area: 620330
Amount: 1910.1720
Amount Units: ug/L



Reviewer: limmere, 27-Jan-2022 13:42:30
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Seattle

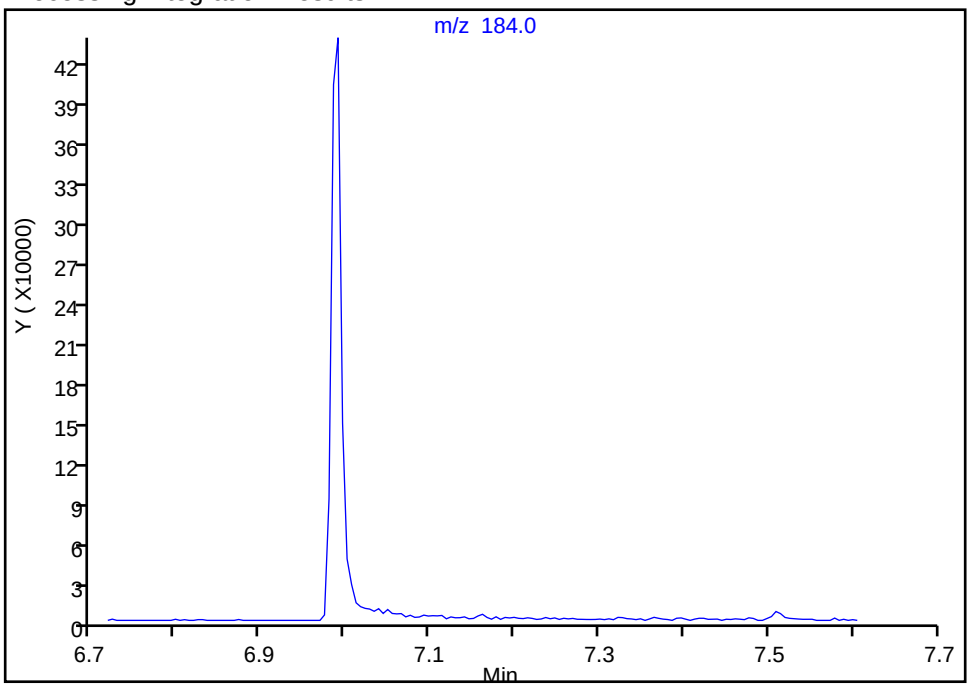
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A12_.D
Injection Date: 24-Jan-2022 17:51:30 Instrument ID: TAC051
Lims ID: STD8
Client ID:
Operator ID: TL ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

63 2,4-Dinitrophenol, CAS: 51-28-5

Signal: 1

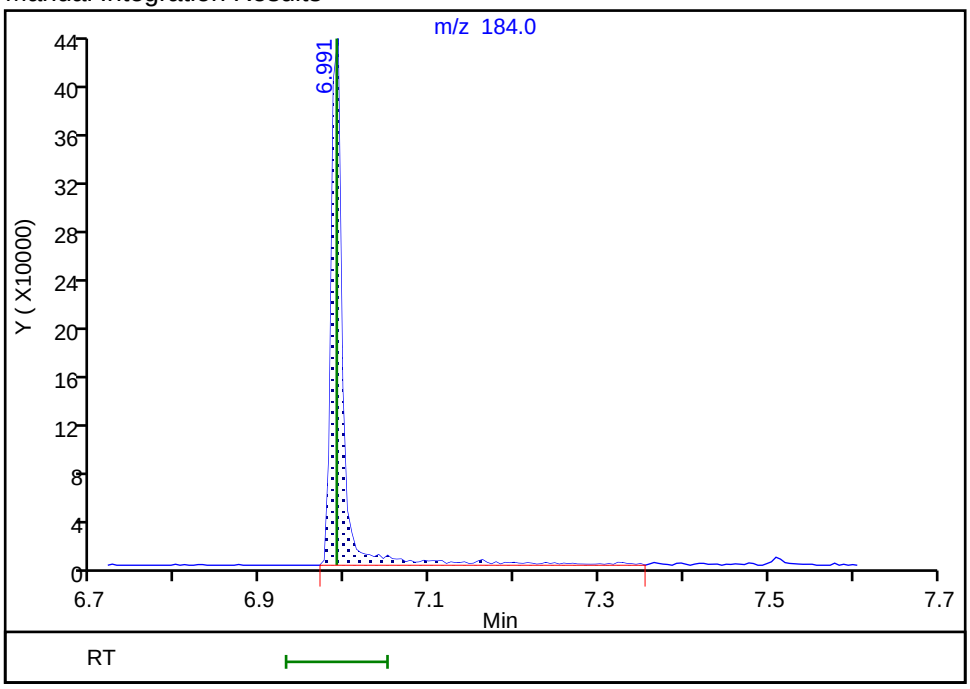
Not Detected
Expected RT: 6.99

Processing Integration Results



Manual Integration Results

RT: 6.99
Area: 423163
Amount: 3785.4448
Amount Units: ug/L



Reviewer: limmere, 27-Jan-2022 13:42:36
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A13_.D
Lims ID: STD7IS
Client ID:
Sample Type: ICIS Calib Level: 7
Inject. Date: 24-Jan-2022 18:14:30 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 7
Operator ID: TL Instrument ID: TAC051
Sublist: chrom-8270 TAC051*sub34

Method: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 28-Jan-2022 17:06:50 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: boylea Date: 28-Jan-2022 17:03:48

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.489	4.489	0.000	72	32770	100.0	100.0	
* 2 Naphthalene-d8	136	5.499	5.499	0.000	95	118298	100.0	100.0	
* 3 Acenaphthene-d10	164	6.925	6.925	0.000	54	65313	100.0	100.0	
* 4 Phenanthrene-d10	188	8.138	8.138	0.000	94	94680	100.0	100.0	
* 5 Chrysene-d12	240	10.334	10.334	0.000	52	77460	100.0	100.0	
* 6 Perylene-d12	264	11.862	11.862	0.000	87	82562	100.0	100.0	
$ 7 2-Fluorophenol	112	3.485	3.485	0.000	86	326634	1000.0	1073.1	
$ 8 Phenol-d5	99	4.212	4.212	0.000	98	360808	1000.0	1068.8	
$ 9 Nitrobenzene-d5	82	4.928	4.928	0.000	86	301048	1000.0	1069.1	
$ 10 2-methylnaphthalene-d10	152	6.055	6.055	0.000	0	720455	NC	NC	
$ 11 2-Fluorobiphenyl	172	6.386	6.386	0.000	98	885103	1000.0	1019.2	
$ 12 2,4,6-Tribromophenol	330	7.572	7.572	0.000	83	139026	1000.0	1081.7	
$ 13 Fluoranthene-d10 (Surr)	212	9.116	9.116	0.000	0	1054605	NC	NC	
$ 14 Terphenyl-d14	244	9.458	9.458	0.000	99	764445	1000.0	1078.0	
15 1,4-Dioxane	88	2.353	2.353	0.000	1	2604	NC	NC	
16 N-Nitrosodimethylamine	74	2.475	2.475	0.000	78	137585	1000.0	1019.6	
17 Pyridine	79	2.492	2.492	0.000	89	474344	2000.0	1990.9	
19 Phenol	94	4.222	4.222	0.000	99	371134	1000.0	1127.6	
18 Aniline	93	4.238	4.238	0.000	21	415718	1000.0	1011.1	
20 Bis(2-chloroethyl)ether	93	4.297	4.297	0.000	95	293417	1000.0	1036.6	
21 2-Chlorophenol	128	4.324	4.324	0.000	83	425276	1000.0	1072.1	
22 n-Decane	57	4.377	4.377	0.000	88	256033	1000.0	989.2	
23 1,3-Dichlorobenzene	146	4.447	4.447	0.000	97	507414	1000.0	1074.2	
25 1,4-Dichlorobenzene	146	4.505	4.505	0.000	96	503454	1000.0	981.9	
26 Benzyl alcohol	79	4.607	4.607	0.000	92	211530	1000.0	1052.7	
27 1,2-Dichlorobenzene	146	4.623	4.623	0.000	97	482591	1000.0	1005.0	
28 2-Methylphenol	108	4.692	4.692	0.000	53	302200	1000.0	1098.7	
29 2,2'-oxybis[1-chloropropane]	45	4.719	4.719	0.000	62	323494	1000.0	1017.3	a
30 Acetophenone	105	4.810	4.810	0.000	95	439228	1000.0	1058.5	
31 N-Nitrosodi-n-propylamine	70	4.815	4.815	0.000	73	164634	1000.0	1008.1	
32 3 & 4 Methylphenol	108	4.821	4.821	0.000	87	299221	1000.0	1043.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
33 Hexachloroethane	117	4.885	4.885	0.000	89	187308	1000.0	1007.3	
34 Nitrobenzene	77	4.944	4.944	0.000	83	289563	1000.0	1041.3	
35 Isophorone	82	5.136	5.136	0.000	94	516354	1000.0	1070.6	
36 2-Nitrophenol	139	5.200	5.200	0.000	86	223185	1000.0	1094.6	
37 2,4-Dimethylphenol	107	5.243	5.243	0.000	91	351805	1000.0	1078.0	
39 Benzoic acid	105	5.301	5.301	0.000	50	442673	2000.0	2010.1	
38 Bis(2-chloroethoxy)methane	93	5.323	5.323	0.000	87	328271	1000.0	1085.0	
40 2,4-Dichlorophenol	162	5.392	5.392	0.000	87	329716	1000.0	1051.8	
41 1,2,4-Trichlorobenzene	180	5.456	5.456	0.000	94	366508	1000.0	1013.2	
42 Naphthalene	128	5.515	5.515	0.000	96	1190797	1000.0	1013.9	
43 4-Chloroaniline	127	5.569	5.569	0.000	82	420896	1000.0	1016.7	
44 2,6-Dichlorophenol	162	5.574	5.574	0.000	93	343493	1000.0	1013.5	
45 Hexachlorobutadiene	225	5.622	5.622	0.000	93	215414	1000.0	1003.3	
46 4-Chloro-3-methylphenol	107	5.969	5.969	0.000	87	256346	1000.0	1009.2	
47 2-Methylnaphthalene	142	6.081	6.081	0.000	79	804387	1000.0	1043.7	
48 1-Methylnaphthalene	142	6.156	6.156	0.000	90	775117	1000.0	1058.9	
49 Hexachlorocyclopentadiene	237	6.210	6.210	0.000	87	234068	1000.0	1015.8	
50 1,2,4,5-Tetrachlorobenzene	216	6.215	6.215	0.000	94	346660	1000.0	1009.5	
52 2,4,6-Trichlorophenol	196	6.311	6.311	0.000	90	211695	1000.0	1009.2	
53 2,4,5-Trichlorophenol	196	6.343	6.343	0.000	93	244235	1000.0	1019.4	
54 1,1'-Biphenyl	154	6.461	6.461	0.000	95	962852	1000.0	1016.2	
55 2-Chloronaphthalene	162	6.471	6.471	0.000	97	751023	1000.0	1009.2	
56 2-Nitroaniline	138	6.568	6.568	0.000	85	214029	1000.0	1025.4	
57 Dimethyl phthalate	163	6.722	6.722	0.000	99	855918	1000.0	1115.1	
58 1,3-Dinitrobenzene	168	6.744	6.744	0.000	75	111350	1000.0	978.8	
59 2,6-Dinitrotoluene	165	6.765	6.765	0.000	72	192043	1000.0	1008.5	
60 Acenaphthylene	152	6.808	6.808	0.000	90	1167400	1000.0	1063.3	
61 3-Nitroaniline	138	6.904	6.904	0.000	87	176681	1000.0	964.0	
62 Acenaphthene	153	6.952	6.952	0.000	92	768188	1000.0	1005.1	
63 2,4-Dinitrophenol	184	6.990	6.990	0.000	83	179184	2000.0	1863.7	a
64 4-Nitrophenol	109	7.048	7.048	0.000	81	124182	2000.0	1757.0	
65 2,4-Dinitrotoluene	165	7.096	7.096	0.000	59	258359	1000.0	1053.3	
66 Dibenzofuran	168	7.096	7.096	0.000	88	1074130	1000.0	1105.4	
51 2,3,5,6-Tetrachlorophenol	232	7.166	7.166	0.000	89	174633	1000.0	1044.1	
67 2,3,4,6-Tetrachlorophenol	232	7.198	7.198	0.000	74	197558	1000.0	1009.3	
68 Diethyl phthalate	149	7.299	7.299	0.000	97	895822	1000.0	1058.1	
69 Fluorene	166	7.374	7.374	0.000	83	857897	1000.0	1109.4	
70 4-Chlorophenyl phenyl ether	204	7.385	7.385	0.000	91	379369	1000.0	1065.8	
71 4-Nitroaniline	138	7.401	7.401	0.000	33	160171	1000.0	924.9	
72 4,6-Dinitro-2-methylphenol	198	7.422	7.422	0.000	84	231561	2000.0	2042.2	
73 N-Nitrosodiphenylamine	169	7.481	7.481	0.000	61	601233	1000.0	1196.2	
74 Azobenzene	77	7.513	7.513	0.000	91	584678	1000.0	1119.2	
75 4-Bromophenyl phenyl ether	248	7.786	7.786	0.000	56	217984	1000.0	1041.7	
76 Hexachlorobenzene	284	7.818	7.818	0.000	84	249823	1000.0	1021.0	
77 Atrazine	200	7.930	7.930	0.000	92	229735	1000.0	1048.5	
78 Pentachlorophenol	266	7.983	7.983	0.000	82	281395	2000.0	2090.5	
79 n-Octadecane	57	8.085	8.085	0.000	91	319134	1000.0	1067.5	
80 Phenanthrene	178	8.160	8.160	0.000	96	1131435	1000.0	1065.8	
81 Anthracene	178	8.197	8.197	0.000	97	1143048	1000.0	1037.0	
83 Carbazole	167	8.336	8.336	0.000	82	922250	1000.0	1091.9	
84 Di-n-butyl phthalate	149	8.646	8.646	0.000	99	1369355	1000.0	1023.9	
85 Fluoranthene	202	9.132	9.132	0.000	95	1177032	1000.0	1041.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
88 Benzidine	184	9.260	9.260	0.000	98	591479	2000.0	2205.8	
89 Pyrene	202	9.313	9.313	0.000	98	1200976	1000.0	1033.3	
94 Butyl benzyl phthalate	149	9.869	9.869	0.000	93	577966	1000.0	1034.7	
96 3,3'-Dichlorobenzidine	252	10.318	10.318	0.000	74	655354	2000.0	2095.3	
97 Benzo[a]anthracene	228	10.323	10.323	0.000	99	1040691	1000.0	1075.6	
99 Chrysene	228	10.360	10.360	0.000	92	1041324	1000.0	1021.7	
98 Bis(2-ethylhexyl) phthalate	149	10.393	10.393	0.000	90	807522	1000.0	1121.3	
100 Di-n-octyl phthalate	149	11.055	11.055	0.000	98	1297051	1000.0	1186.6	
101 Benzo[b]fluoranthene	252	11.424	11.424	0.000	92	1020232	1000.0	1115.5	
102 Benzofluoranthene	252	11.456	11.456	0.000	1	2153421	2000.0	2122.5	
103 Benzo[k]fluoranthene	252	11.456	11.456	0.000	98	1169985	1000.0	1055.6	
104 Benzo[a]pyrene	252	11.792	11.792	0.000	75	934286	1000.0	1110.2	
105 Indeno[1,2,3-cd]pyrene	276	13.165	13.165	0.000	97	893927	1000.0	1066.5	
106 Dibenz(a,h)anthracene	278	13.208	13.208	0.000	1	937866	1000.0	1039.2	
107 Benzo[g,h,i]perylene	276	13.496	13.496	0.000	92	1097303	1000.0	1051.1	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

a - User Assigned ID

Reagents:

ccv_8270_1000_00057 Amount Added: 1.00 Units: mL

Report Date: 28-Jan-2022 17:06:51 Chrom Revision: 2.3 18-Jan-2022 20:25:40

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A13_.D

Injection Date: 24-Jan-2022 18:14:30 Instrument ID: TAC051

Lims ID: STD7IS

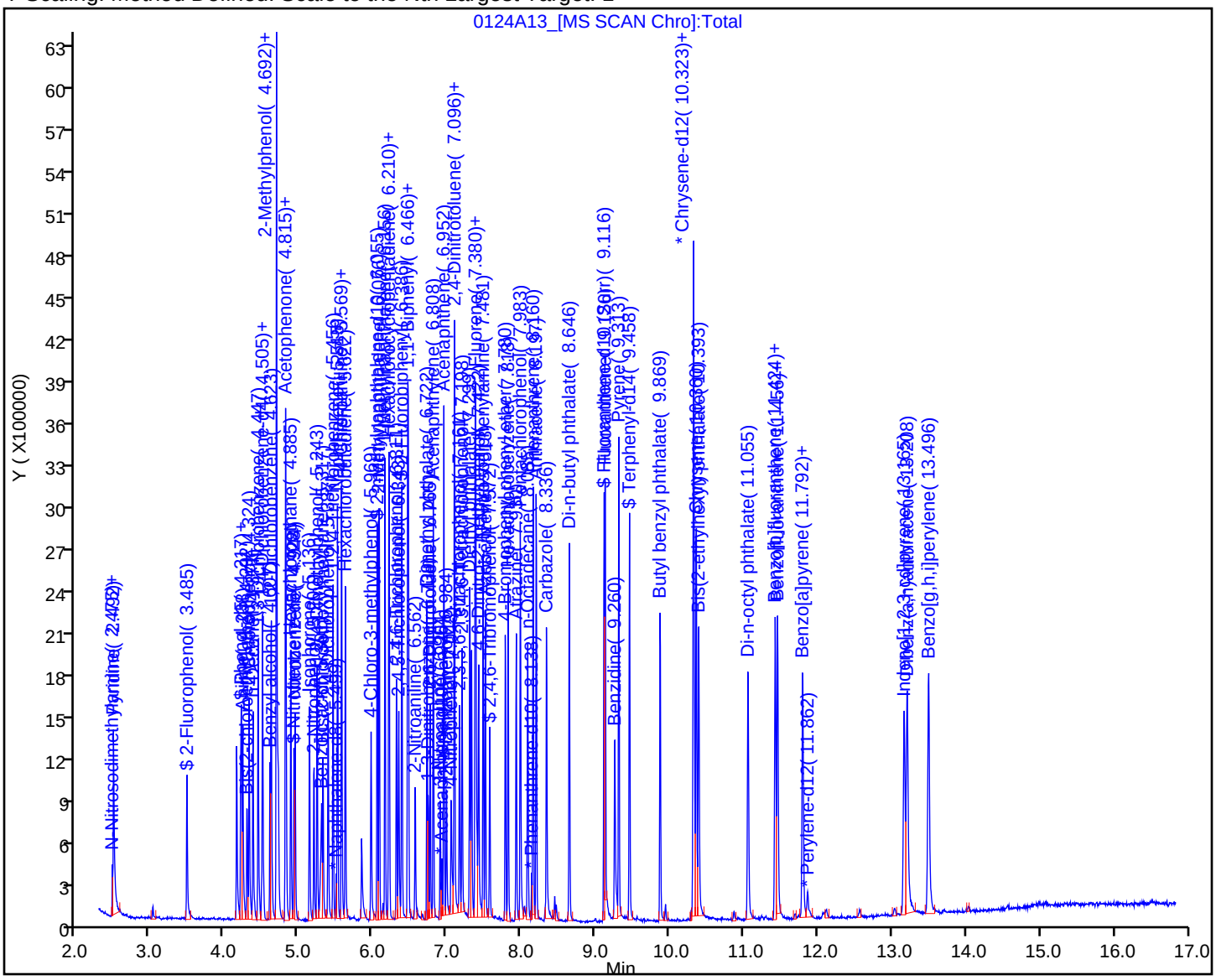
Client ID:

Operator ID: TL ALS Bottle#: 7 Worklist Smp#: 7

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle

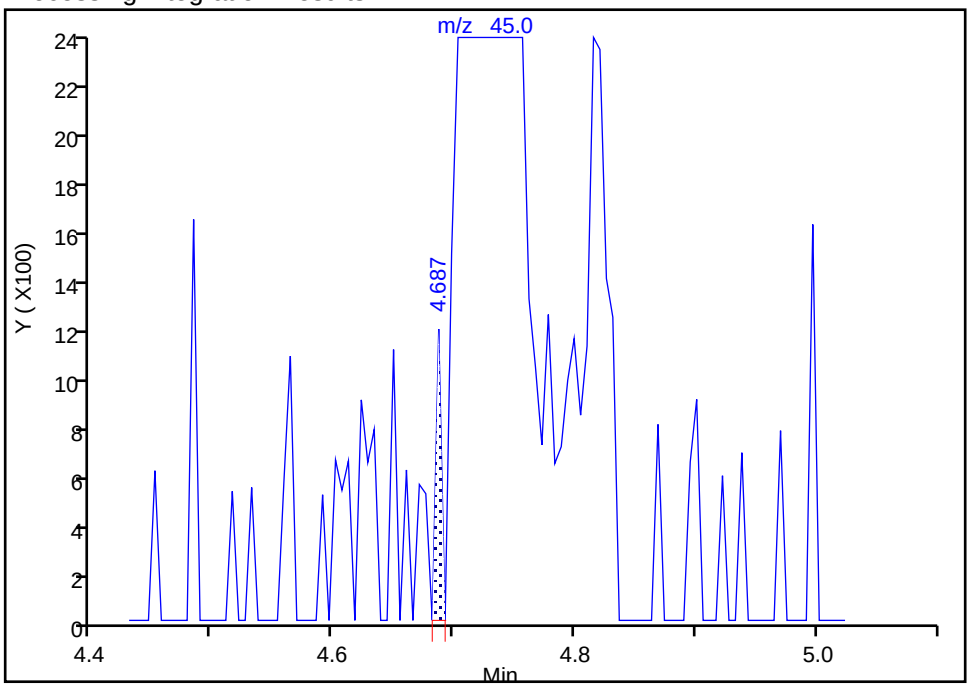
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A13_.D
Injection Date: 24-Jan-2022 18:14:30 Instrument ID: TAC051
Lims ID: STD7IS
Client ID:
Operator ID: TL ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

29 2,2'-oxybis[1-chloropropane], CAS: 108-60-1

Signal: 1

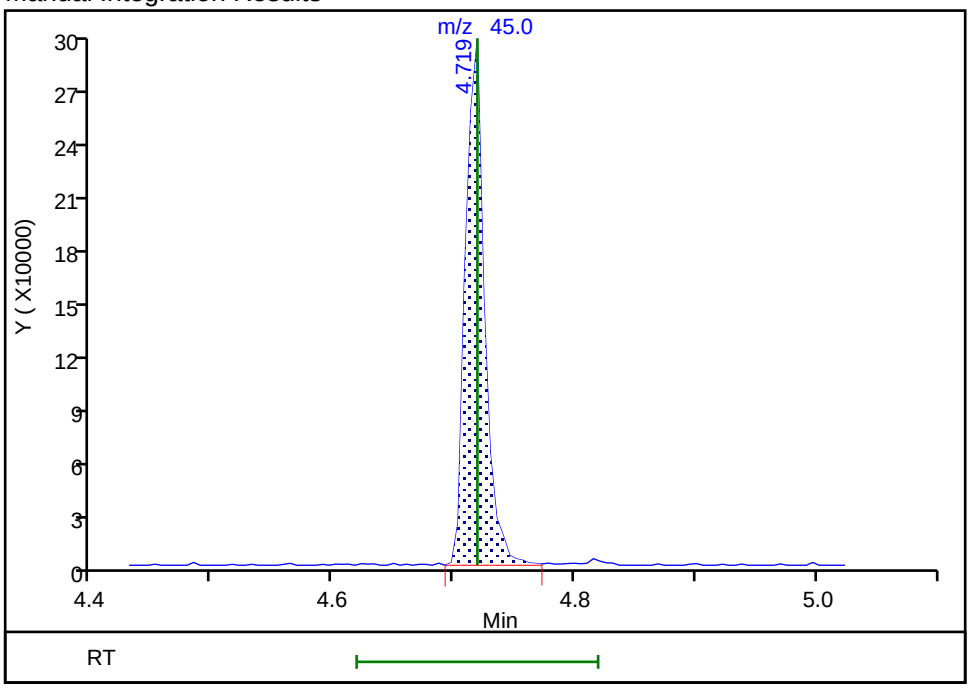
Processing Integration Results

RT: 4.69
Area: 373
Amount: 1.322296
Amount Units: ug/L



Manual Integration Results

RT: 4.72
Area: 323494
Amount: 1017.3169
Amount Units: ug/L



Reviewer: mohammedj, 27-Jan-2022 14:42:49
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Seattle

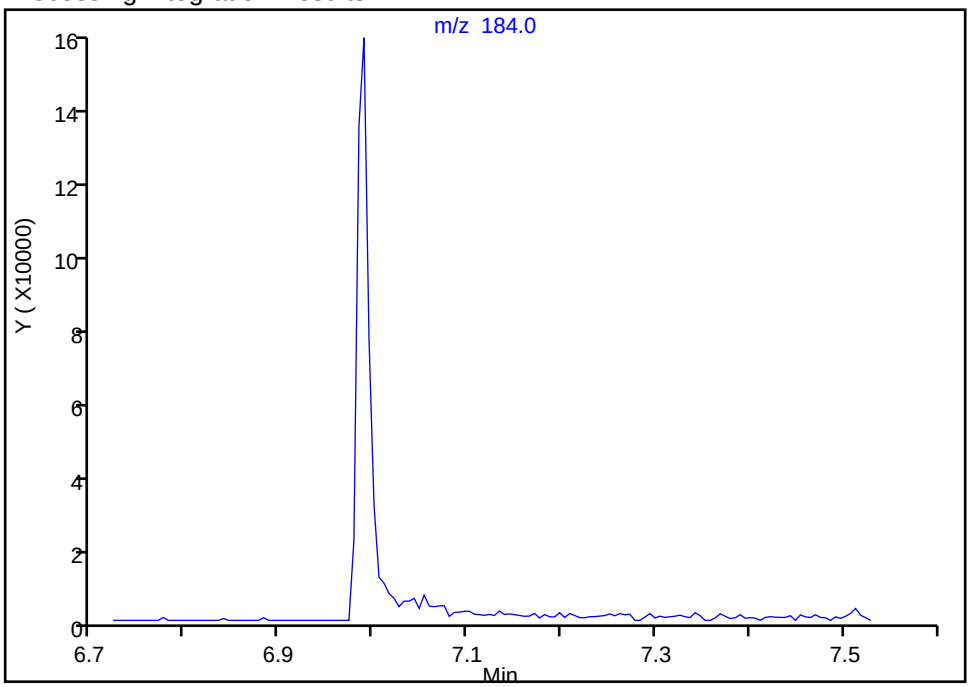
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A13_.D
Injection Date: 24-Jan-2022 18:14:30 Instrument ID: TAC051
Lims ID: STD7IS
Client ID:
Operator ID: TL ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

63 2,4-Dinitrophenol, CAS: 51-28-5

Signal: 1

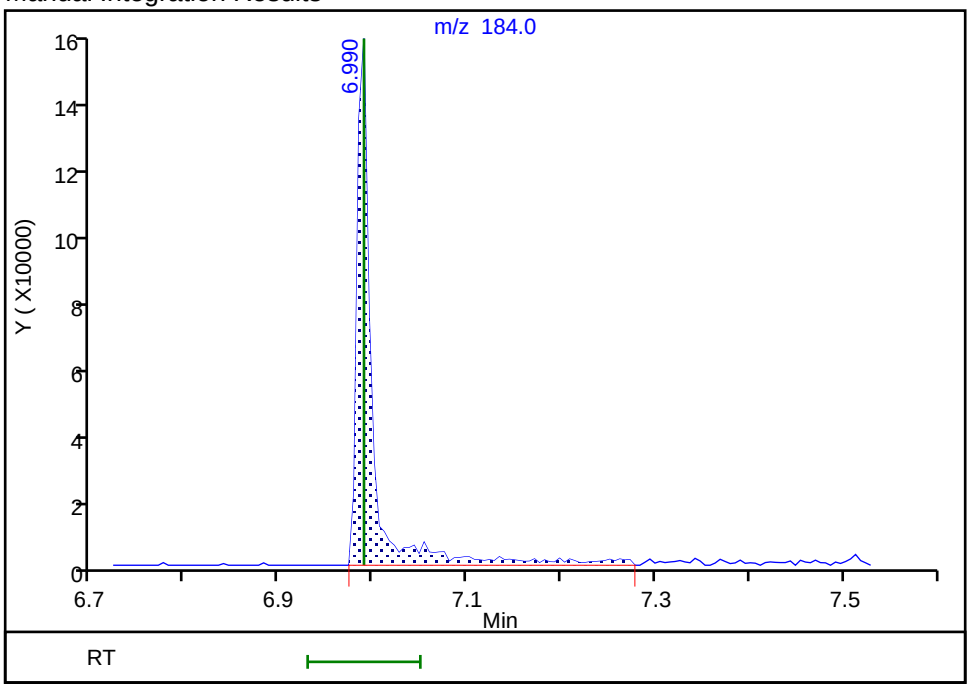
Not Detected
Expected RT: 6.99

Processing Integration Results



Manual Integration Results

RT: 6.99
Area: 179184
Amount: 1863.7065
Amount Units: ug/L



Reviewer: limmere, 27-Jan-2022 13:40:48
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A14_.D
Lims ID: STD6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 24-Jan-2022 18:37:30 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 6
Operator ID: TL Instrument ID: TAC051
Sublist: chrom-8270 TAC051*sub34

Method: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 28-Jan-2022 17:06:54 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: limmere Date: 25-Jan-2022 15:04:23

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.489	4.489	0.000	77	32296	100.0	100.0	
* 2 Naphthalene-d8	136	5.499	5.499	0.000	95	117277	100.0	100.0	
* 3 Acenaphthene-d10	164	6.925	6.925	0.000	63	63105	100.0	100.0	
* 4 Phenanthrene-d10	188	8.138	8.138	0.000	90	99516	100.0	100.0	
* 5 Chrysene-d12	240	10.334	10.334	0.000	65	72049	100.0	100.0	
* 6 Perylene-d12	264	11.861	11.862	-0.001	92	83791	100.0	100.0	
$ 7 2-Fluorophenol	112	3.485	3.485	0.000	83	148046	500.0	496.1	
$ 8 Phenol-d5	99	4.212	4.212	0.000	97	176312	500.0	529.2	
$ 9 Nitrobenzene-d5	82	4.927	4.928	-0.001	86	141521	500.0	507.0	
$ 10 2-methylnaphthalene-d10	152	6.055	6.055	0.000	0	350565	NC	NC	
$ 11 2-Fluorobiphenyl	172	6.386	6.386	0.000	98	429162	500.0	511.5	
$ 12 2,4,6-Tribromophenol	330	7.572	7.572	0.000	77	64213	500.0	497.3	
$ 13 Fluoranthene-d10 (Surr)	212	9.116	9.116	0.000	0	499979	NC	NC	
$ 14 Terphenyl-d14	244	9.457	9.458	-0.001	99	367653	500.0	493.3	
15 1,4-Dioxane	88	2.342	2.353	-0.011	1	3096	NC	NC	
16 N-Nitrosodimethylamine	74	2.481	2.475	0.006	72	64929	500.0	500.8	
17 Pyridine	79	2.491	2.492	-0.001	87	235103	1000.0	1028.6	
19 Phenol	94	4.217	4.222	-0.005	94	172626	500.0	532.2	
18 Aniline	93	4.238	4.238	0.000	31	198182	500.0	492.1	
20 Bis(2-chloroethyl)ether	93	4.297	4.297	0.000	96	137086	500.0	491.4	
21 2-Chlorophenol	128	4.324	4.324	0.000	79	202159	500.0	517.1	
22 n-Decane	57	4.377	4.377	0.000	85	122949	500.0	482.0	
23 1,3-Dichlorobenzene	146	4.447	4.447	0.000	96	245696	500.0	527.8	
25 1,4-Dichlorobenzene	146	4.505	4.505	0.000	96	249973	500.0	494.7	
26 Benzyl alcohol	79	4.607	4.607	0.000	91	97253	500.0	495.0	
27 1,2-Dichlorobenzene	146	4.623	4.623	0.000	96	232869	500.0	492.1	
28 2-Methylphenol	108	4.692	4.692	0.000	52	137592	500.0	507.6	
29 2,2'-oxybis[1-chloropropane]	45	4.719	4.719	0.000	49	164087	500.0	523.6	a
30 Acetophenone	105	4.810	4.810	0.000	94	206406	500.0	504.7	
31 N-Nitrosodi-n-propylamine	70	4.815	4.815	0.000	79	87483	500.0	543.5	
32 3 & 4 Methylphenol	108	4.821	4.821	-0.001	86	148354	500.0	528.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
33 Hexachloroethane	117	4.885	4.885	0.000	91	94896	500.0	517.8	
34 Nitrobenzene	77	4.943	4.944	-0.001	84	136174	500.0	501.5	
35 Isophorone	82	5.136	5.136	0.000	94	243865	500.0	513.1	
36 2-Nitrophenol	139	5.200	5.200	0.000	83	104101	500.0	518.8	
37 2,4-Dimethylphenol	107	5.243	5.243	0.000	91	166463	500.0	520.0	
39 Benzoic acid	105	5.285	5.301	-0.016	32	153546	1000.0	921.3	a
38 Bis(2-chloroethoxy)methane	93	5.323	5.323	0.000	92	154553	500.0	518.3	
40 2,4-Dichlorophenol	162	5.387	5.392	-0.005	87	149458	500.0	489.9	
41 1,2,4-Trichlorobenzene	180	5.456	5.456	0.000	91	182921	500.0	510.1	
42 Naphthalene	128	5.515	5.515	0.000	96	601332	500.0	506.3	
43 4-Chloroaniline	127	5.568	5.569	-0.001	82	193225	500.0	484.1	
44 2,6-Dichlorophenol	162	5.568	5.574	-0.006	89	166011	500.0	507.4	
45 Hexachlorobutadiene	225	5.622	5.622	0.000	93	105181	500.0	494.1	
46 4-Chloro-3-methylphenol	107	5.969	5.969	0.000	88	113656	500.0	483.4	
47 2-Methylnaphthalene	142	6.081	6.081	0.000	80	387051	500.0	506.6	
48 1-Methylnaphthalene	142	6.156	6.156	0.000	88	373656	500.0	514.9	
49 Hexachlorocyclopentadiene	237	6.209	6.210	-0.001	83	117382	500.0	527.2	
50 1,2,4,5-Tetrachlorobenzene	216	6.215	6.215	0.000	94	174594	500.0	520.0	
52 2,4,6-Trichlorophenol	196	6.311	6.311	0.000	87	99357	500.0	506.2	
53 2,4,5-Trichlorophenol	196	6.343	6.343	0.000	93	104475	500.0	475.9	
54 1,1'-Biphenyl	154	6.461	6.461	0.000	93	463771	500.0	506.6	
55 2-Chloronaphthalene	162	6.471	6.471	0.000	96	362290	500.0	503.9	
56 2-Nitroaniline	138	6.567	6.568	-0.001	89	88071	500.0	475.4	
57 Dimethyl phthalate	163	6.722	6.722	0.000	99	401664	500.0	539.8	
58 1,3-Dinitrobenzene	168	6.744	6.744	0.000	59	45162	500.0	481.6	
59 2,6-Dinitrotoluene	165	6.765	6.765	0.000	72	82381	500.0	466.3	
60 Acenaphthylene	152	6.808	6.808	0.000	90	554434	500.0	515.5	
61 3-Nitroaniline	138	6.904	6.904	0.000	87	70570	500.0	441.5	
62 Acenaphthene	153	6.952	6.952	0.000	91	370859	500.0	502.2	
63 2,4-Dinitrophenol	184	6.989	6.990	-0.001	69	54667	1000.0	881.1	a
64 4-Nitrophenol	109	7.059	7.048	0.011	81	42833	1000.0	1132.1	
65 2,4-Dinitrotoluene	165	7.091	7.096	-0.005	61	106809	500.0	484.9	
66 Dibenzofuran	168	7.096	7.096	0.000	89	515973	500.0	549.6	
51 2,3,5,6-Tetrachlorophenol	232	7.166	7.166	0.000	80	71880	500.0	468.3	
67 2,3,4,6-Tetrachlorophenol	232	7.198	7.198	0.000	70	95647	500.0	518.8	
68 Diethyl phthalate	149	7.299	7.299	0.000	97	421303	500.0	515.0	
69 Fluorene	166	7.374	7.374	0.000	92	412279	500.0	551.8	
70 4-Chlorophenyl phenyl ether	204	7.385	7.385	0.000	90	183042	500.0	532.2	
71 4-Nitroaniline	138	7.401	7.401	0.000	42	88921	500.0	559.1	M
72 4,6-Dinitro-2-methylphenol	198	7.422	7.422	0.000	82	85170	1000.0	833.0	
73 N-Nitrosodiphenylamine	169	7.481	7.481	0.000	59	285250	500.0	540.0	
74 Azobenzene	77	7.513	7.513	0.000	94	264123	500.0	483.2	
75 4-Bromophenyl phenyl ether	248	7.785	7.786	-0.001	54	100310	500.0	458.4	
76 Hexachlorobenzene	284	7.817	7.818	-0.001	85	115710	500.0	449.9	
77 Atrazine	200	7.930	7.930	0.000	91	105144	500.0	506.1	
78 Pentachlorophenol	266	7.988	7.983	0.005	84	123396	1000.0	956.5	
79 n-Octadecane	57	8.085	8.085	0.000	90	145763	500.0	461.1	
80 Phenanthrene	178	8.159	8.160	0.000	96	544462	500.0	477.5	
81 Anthracene	178	8.197	8.197	0.000	96	525427	500.0	447.6	
83 Carbazole	167	8.336	8.336	0.000	82	453282	500.0	505.1	
84 Di-n-butyl phthalate	149	8.645	8.646	-0.001	99	619421	500.0	428.5	
85 Fluoranthene	202	9.126	9.132	-0.006	96	544870	500.0	448.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
88 Benzidine	184	9.260	9.260	0.000	94	221350	1000.0	841.5	
89 Pyrene	202	9.313	9.313	0.000	96	573415	500.0	458.3	
94 Butyl benzyl phthalate	149	9.869	9.869	0.000	92	254853	500.0	490.8	
96 3,3'-Dichlorobenzidine	252	10.323	10.318	0.005	54	318110	1000.0	1100.1	
97 Benzo[a]anthracene	228	10.323	10.323	0.000	98	484681	500.0	535.1	
99 Chrysene	228	10.355	10.360	-0.005	93	507398	500.0	520.8	
98 Bis(2-ethylhexyl) phthalate	149	10.392	10.393	0.000	77	364738	500.0	549.7	
100 Di-n-octyl phthalate	149	11.055	11.055	0.000	97	564577	500.0	508.9	
101 Benzo[b]fluoranthene	252	11.423	11.424	-0.001	91	466400	500.0	503.7	
102 Benzofluoranthene	252	11.455	11.456	-0.001	1	1028183	1000.0	998.5	a
103 Benzo[k]fluoranthene	252	11.455	11.456	-0.001	96	595047	500.0	529.0	
104 Benzo[a]pyrene	252	11.797	11.792	0.005	73	424087	500.0	499.2	
105 Indeno[1,2,3-cd]pyrene	276	13.165	13.165	0.000	92	387093	500.0	460.7	
106 Dibenz(a,h)anthracene	278	13.208	13.208	0.000	1	456625	500.0	505.8	
107 Benzo[g,h,i]perylene	276	13.496	13.496	0.000	91	480002	500.0	449.5	

QC Flag Legend

Processing Flags
NC - Not Calibrated
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

ccv_8270_1000_00057	Amount Added: 500.00	Units: uL
8270SIM_IS_00069	Amount Added: 5.00	Units: uL

Report Date: 28-Jan-2022 17:06:55 Chrom Revision: 2.3 18-Jan-2022 20:25:40

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A14_.D

Injection Date: 24-Jan-2022 18:37:30 Instrument ID: TAC051

Lims ID: STD6

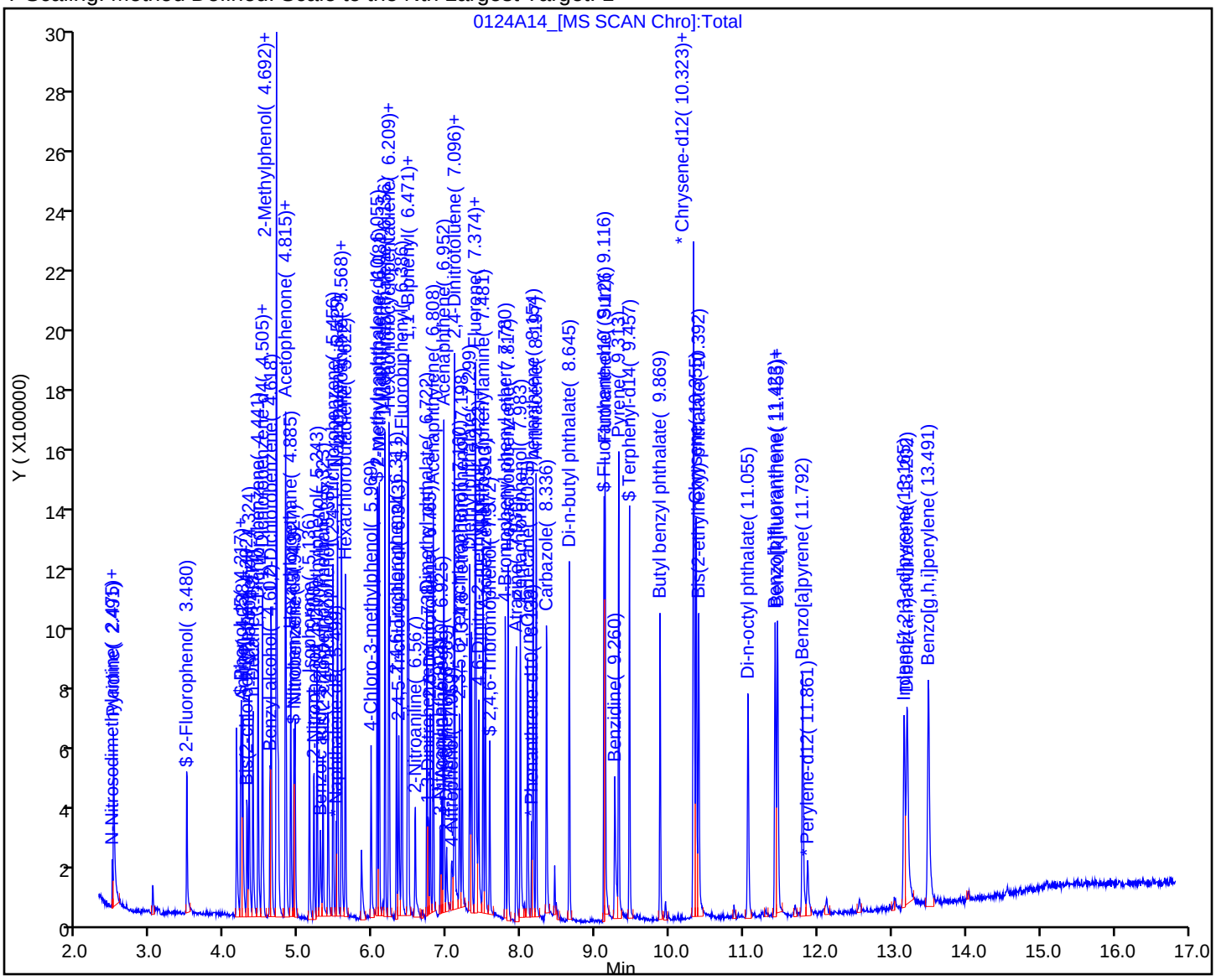
Client ID:

Operator ID: TL ALS Bottle#: 8 Worklist Smp#: 8

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Seattle

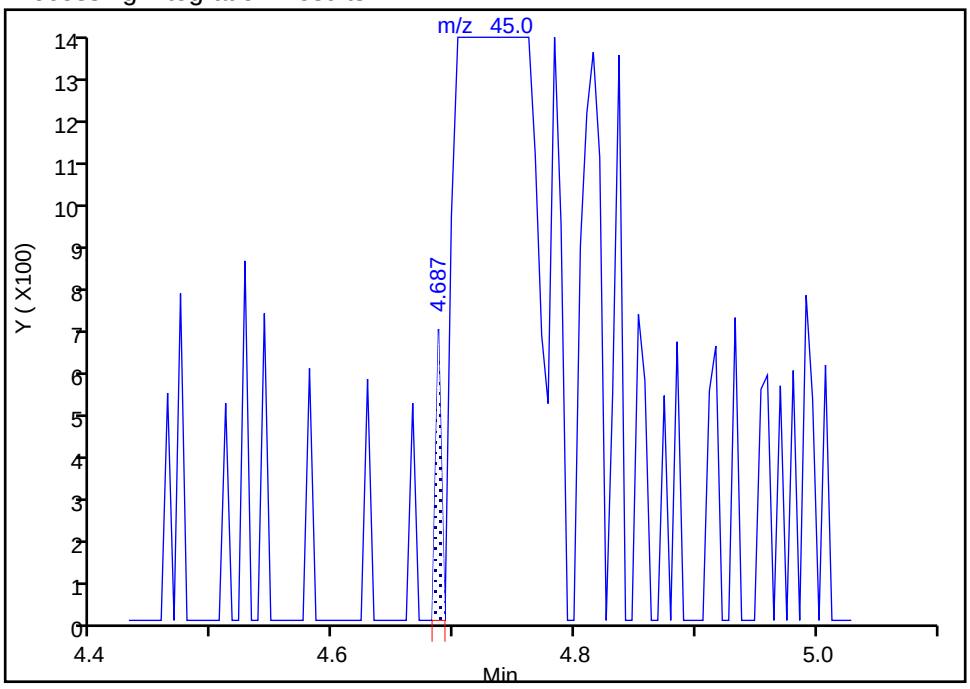
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A14_.D
Injection Date: 24-Jan-2022 18:37:30 Instrument ID: TAC051
Lims ID: STD6
Client ID:
Operator ID: TL ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

29 2,2'-oxybis[1-chloropropane], CAS: 108-60-1

Signal: 1

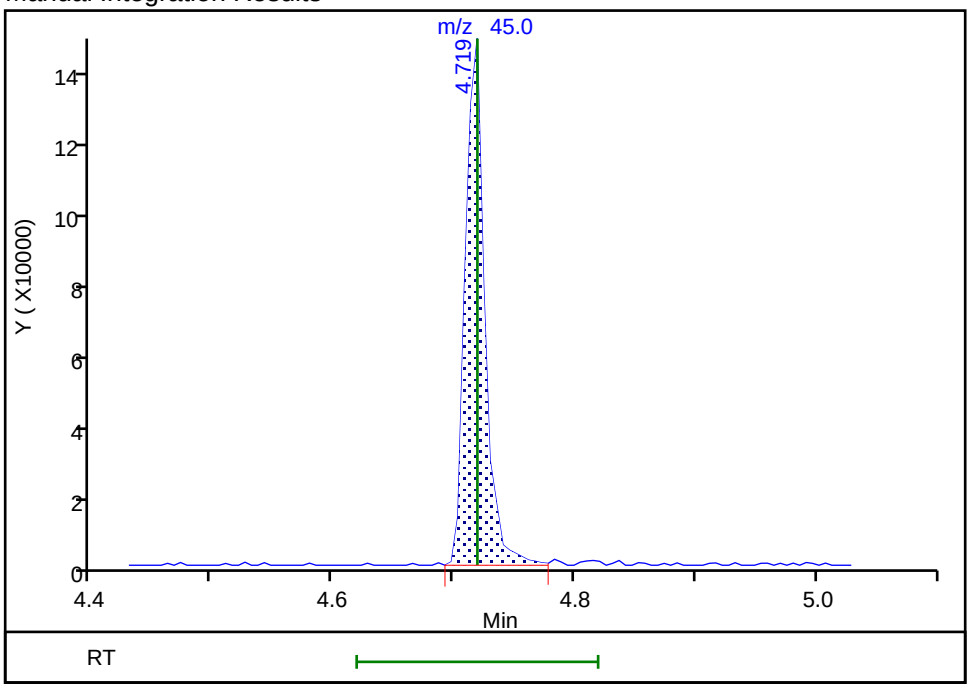
Processing Integration Results

RT: 4.69
Area: 221
Amount: 0.914772
Amount Units: ug/L



Manual Integration Results

RT: 4.72
Area: 164087
Amount: 523.5907
Amount Units: ug/L



Reviewer: mohammedj, 27-Jan-2022 14:41:13
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Seattle

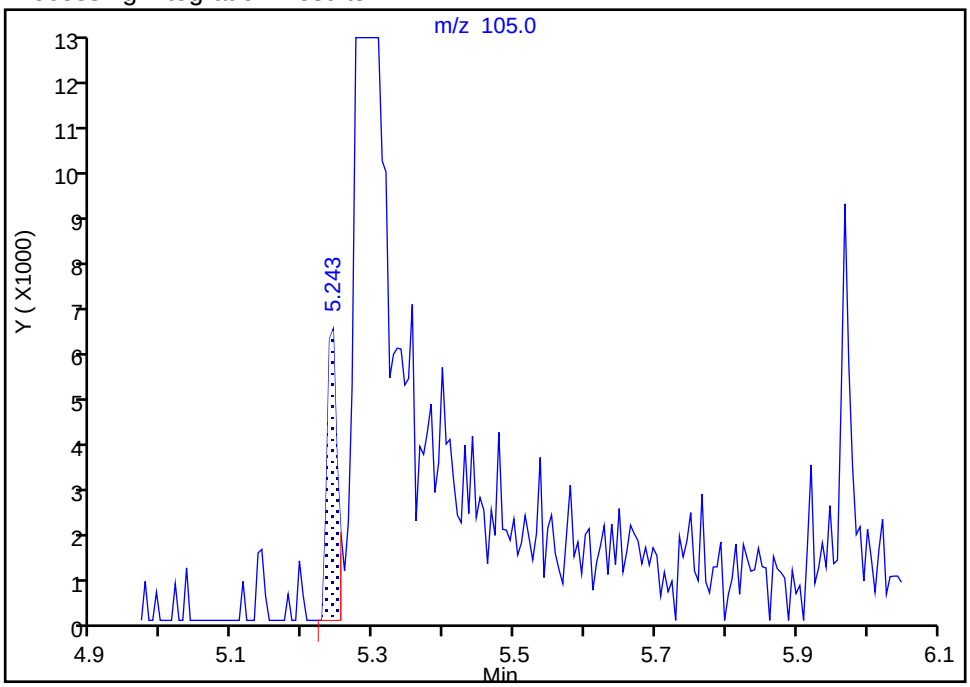
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A14_.D
Injection Date: 24-Jan-2022 18:37:30 Instrument ID: TAC051
Lims ID: STD6
Client ID:
Operator ID: TL ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

39 Benzoic acid, CAS: 65-85-0

Signal: 1

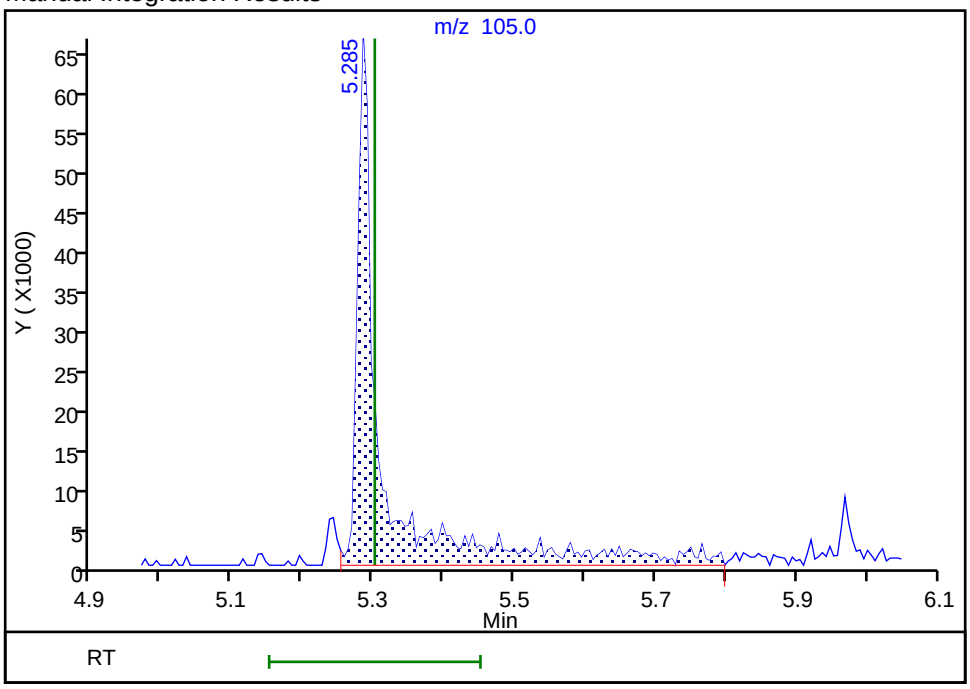
Processing Integration Results

RT: 5.24
Area: 6130
Amount: 305.7118
Amount Units: ug/L



Manual Integration Results

RT: 5.29
Area: 153546
Amount: 921.2654
Amount Units: ug/L



Reviewer: limmere, 27-Jan-2022 13:55:11
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Seattle

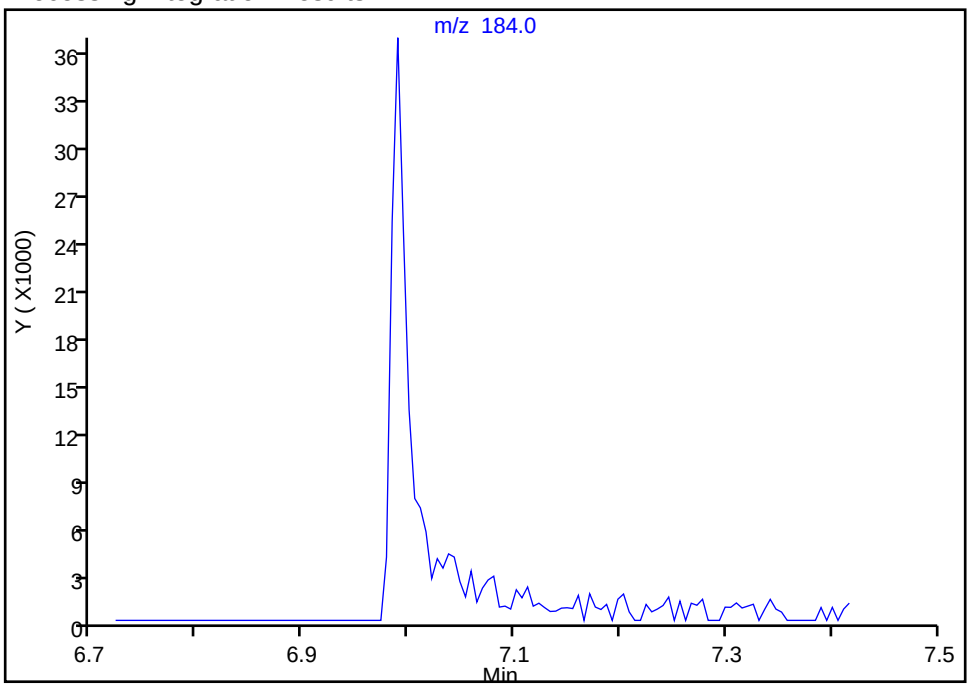
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A14_.D
Injection Date: 24-Jan-2022 18:37:30 Instrument ID: TAC051
Lims ID: STD6
Client ID:
Operator ID: TL ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

63 2,4-Dinitrophenol, CAS: 51-28-5

Signal: 1

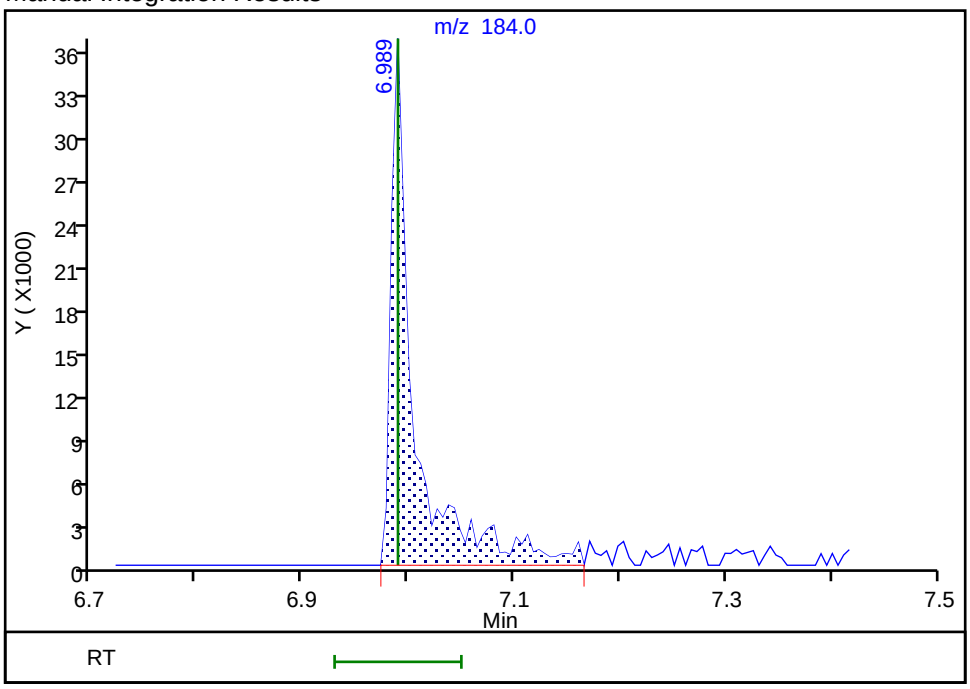
Not Detected
Expected RT: 6.99

Processing Integration Results



Manual Integration Results

RT: 6.99
Area: 54667
Amount: 881.1253
Amount Units: ug/L



Reviewer: limmere, 27-Jan-2022 13:43:06
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Seattle

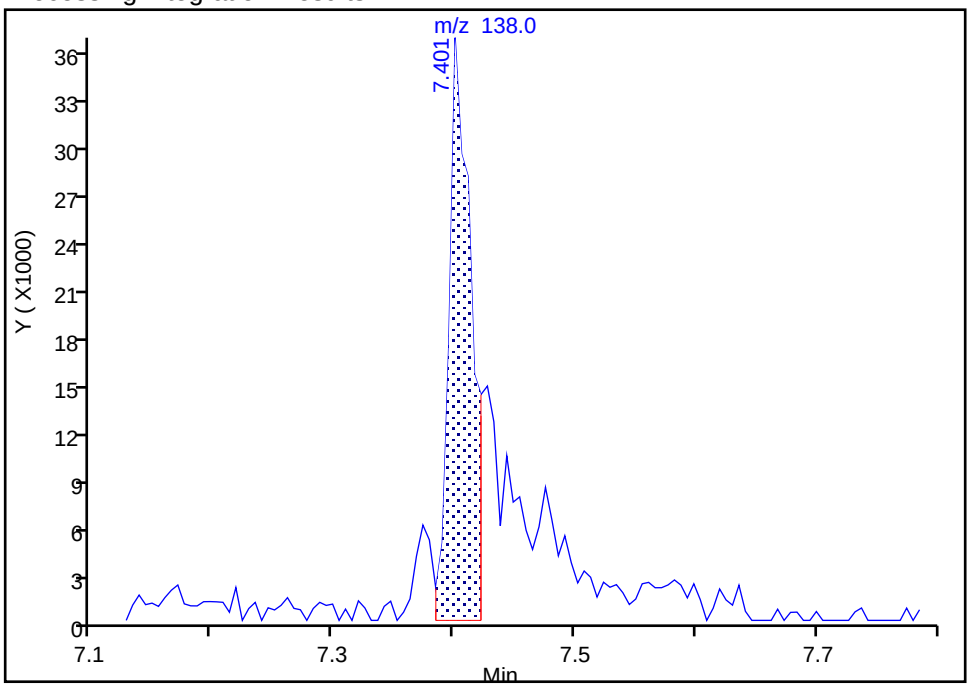
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A14_.D
Injection Date: 24-Jan-2022 18:37:30 Instrument ID: TAC051
Lims ID: STD6
Client ID:
Operator ID: TL ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

71 4-Nitroaniline, CAS: 100-01-6

Signal: 1

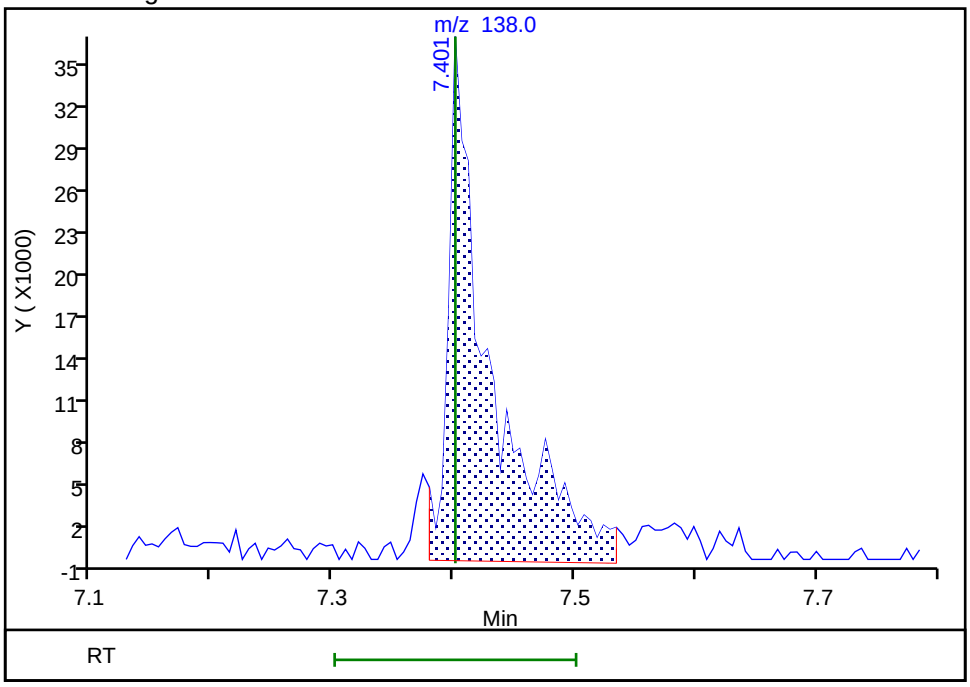
Processing Integration Results

RT: 7.40
Area: 47484
Amount: 353.2815
Amount Units: ug/L



Manual Integration Results

RT: 7.40
Area: 88921
Amount: 559.0838
Amount Units: ug/L



Reviewer: mohammedj, 27-Jan-2022 14:41:49
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Seattle

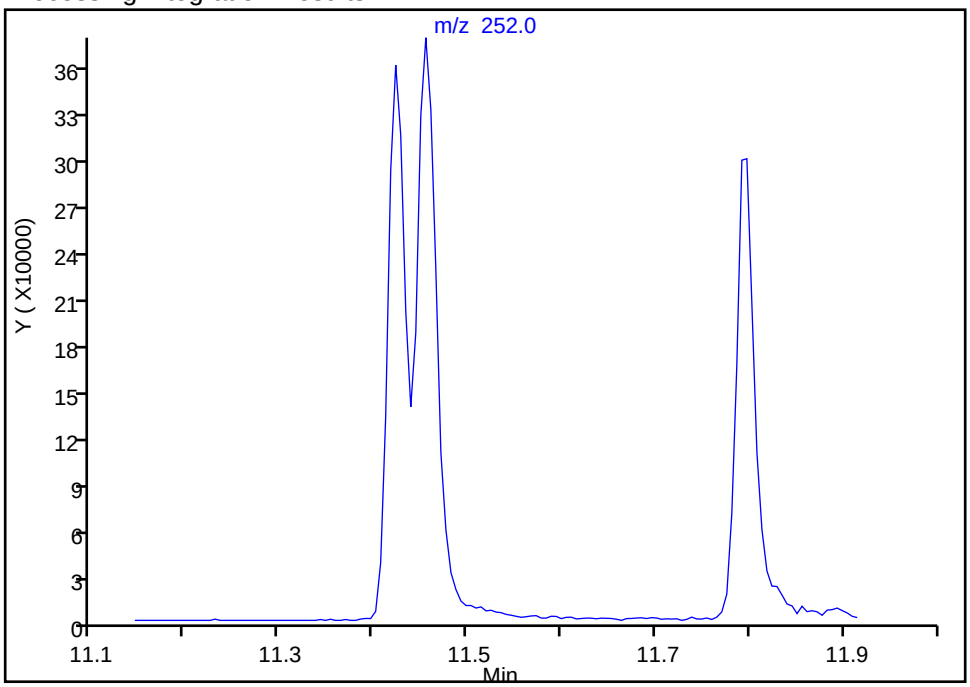
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A14_.D
Injection Date: 24-Jan-2022 18:37:30 Instrument ID: TAC051
Lims ID: STD6
Client ID:
Operator ID: TL ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

102 Benzofluoranthene, CAS: 56832-73-6

Signal: 1

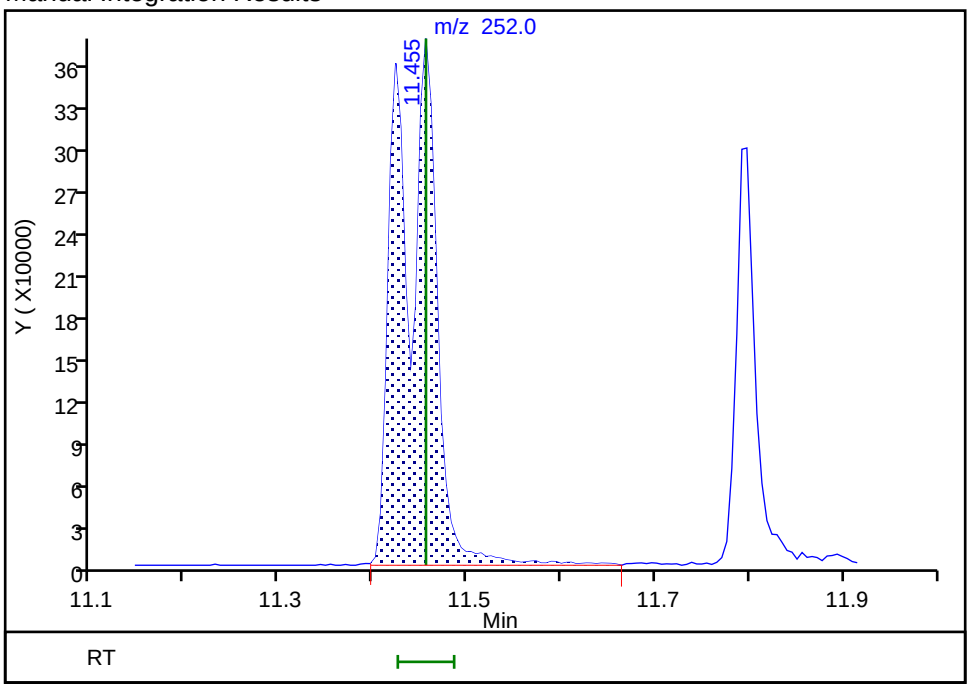
Not Detected
Expected RT: 11.46

Processing Integration Results



Manual Integration Results

RT: 11.46
Area: 1028183
Amount: 998.5467
Amount Units: ug/L



Reviewer: limmere, 27-Jan-2022 13:43:11
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A15_.D
Lims ID: STD5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 24-Jan-2022 19:00:30 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 5
Operator ID: TL Instrument ID: TAC051
Sublist: chrom-8270 TAC051*sub34

Method: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 28-Jan-2022 17:06:58 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: limmere Date: 25-Jan-2022 15:05:10

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.490	4.489	0.001	85	32997	100.0	100.0	
* 2 Naphthalene-d8	136	5.500	5.499	0.001	96	121550	100.0	100.0	
* 3 Acenaphthene-d10	164	6.926	6.925	0.001	84	60644	100.0	100.0	
* 4 Phenanthrene-d10	188	8.139	8.138	0.001	95	90840	100.0	100.0	
* 5 Chrysene-d12	240	10.335	10.334	0.001	94	73238	100.0	100.0	
* 6 Perylene-d12	264	11.863	11.862	0.001	90	75942	100.0	100.0	
$ 7 2-Fluorophenol	112	3.481	3.485	-0.004	85	53560	200.0	178.7	
$ 8 Phenol-d5	99	4.207	4.212	-0.005	95	67732	200.0	198.0	
$ 9 Nitrobenzene-d5	82	4.928	4.928	0.000	86	59203	200.0	204.6	
$ 10 2-methylnaphthalene-d10	152	6.056	6.055	0.001	0	135098	NC	NC	
$ 11 2-Fluorobiphenyl	172	6.387	6.386	0.001	92	161393	200.0	200.1	
$ 12 2,4,6-Tribromophenol	330	7.573	7.572	0.001	54	21181	200.0	204.7	
$ 13 Fluoranthene-d10 (Surr)	212	9.117	9.116	0.001	0	188621	NC	NC	
$ 14 Terphenyl-d14	244	9.459	9.458	0.001	95	137870	200.0	202.6	
16 N-Nitrosodimethylamine	74	2.487	2.475	0.012	60	17806	200.0	152.1	
17 Pyridine	79	2.503	2.492	0.011	89	86665	400.0	406.3	
19 Phenol	94	4.218	4.222	-0.004	93	69263	200.0	209.0	
18 Aniline	93	4.239	4.238	0.001	7	78860	200.0	195.2	a
20 Bis(2-chloroethyl)ether	93	4.293	4.297	-0.004	91	58726	200.0	206.1	
21 2-Chlorophenol	128	4.325	4.324	0.001	70	81754	200.0	204.7	
22 n-Decane	57	4.373	4.377	-0.004	85	54478	200.0	209.0	
23 1,3-Dichlorobenzene	146	4.442	4.447	-0.005	95	97247	200.0	204.5	
25 1,4-Dichlorobenzene	146	4.506	4.505	0.001	87	105751	200.0	204.8	
26 Benzyl alcohol	79	4.608	4.607	0.001	87	35194	200.0	180.1	
27 1,2-Dichlorobenzene	146	4.619	4.623	-0.004	96	96909	200.0	200.4	
28 2-Methylphenol	108	4.693	4.692	0.001	53	56341	200.0	203.4	
29 2,2'-oxybis[1-chloropropane]	45	4.720	4.719	0.001	48	66159	200.0	206.6	a
30 Acetophenone	105	4.811	4.810	0.001	94	83766	200.0	200.5	
31 N-Nitrosodi-n-propylamine	70	4.816	4.815	0.001	75	31256	200.0	190.1	
32 3 & 4 Methylphenol	108	4.816	4.821	-0.005	72	52732	200.0	187.7	
33 Hexachloroethane	117	4.886	4.885	0.001	85	35842	200.0	191.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
34 Nitrobenzene	77	4.944	4.944	0.000	80	51366	200.0	190.7	
35 Isophorone	82	5.137	5.136	0.001	92	89634	200.0	184.6	
36 2-Nitrophenol	139	5.196	5.200	-0.004	80	40815	200.0	200.8	
37 2,4-Dimethylphenol	107	5.244	5.243	0.001	92	68752	200.0	213.0	
39 Benzoic acid	105	5.286	5.301	-0.015	48	26059	400.0	431.2	a
38 Bis(2-chloroethoxy)methane	93	5.318	5.323	-0.005	95	61943	200.0	203.3	
40 2,4-Dichlorophenol	162	5.388	5.392	-0.004	87	56883	200.0	190.4	
41 1,2,4-Trichlorobenzene	180	5.457	5.456	0.001	91	77442	200.0	208.3	
42 Naphthalene	128	5.516	5.515	0.001	94	245615	200.0	196.3	
43 4-Chloroaniline	127	5.570	5.569	0.001	80	74339	200.0	195.3	
44 2,6-Dichlorophenol	162	5.570	5.574	-0.004	89	55696	200.0	179.6	
45 Hexachlorobutadiene	225	5.623	5.622	0.001	89	42285	200.0	191.7	
46 4-Chloro-3-methylphenol	107	5.970	5.969	0.001	79	33119	200.0	172.7	
47 2-Methylnaphthalene	142	6.077	6.081	-0.004	86	155926	200.0	196.9	
48 1-Methylnaphthalene	142	6.157	6.156	0.001	90	148970	200.0	198.1	
49 Hexachlorocyclopentadiene	237	6.205	6.210	-0.005	87	40776	200.0	190.6	
50 1,2,4,5-Tetrachlorobenzene	216	6.216	6.215	0.001	88	64685	200.0	195.0	
52 2,4,6-Trichlorophenol	196	6.317	6.311	0.006	70	29422	200.0	177.5	
53 2,4,5-Trichlorophenol	196	6.344	6.343	0.001	73	32672	200.0	184.7	
54 1,1'-Biphenyl	154	6.462	6.461	0.001	93	177997	200.0	202.3	
55 2-Chloronaphthalene	162	6.472	6.471	0.001	96	135219	200.0	195.7	
56 2-Nitroaniline	138	6.568	6.568	0.000	79	23895	200.0	178.0	
57 Dimethyl phthalate	163	6.723	6.722	0.001	98	148612	200.0	205.7	
58 1,3-Dinitrobenzene	168	6.745	6.744	0.001	1	10104	200.0	203.1	
59 2,6-Dinitrotoluene	165	6.771	6.765	0.006	51	27022	200.0	181.1	
60 Acenaphthylene	152	6.809	6.808	0.001	85	207743	200.0	198.4	
61 3-Nitroaniline	138	6.910	6.904	0.006	57	26552	200.0	217.4	M
62 Acenaphthene	153	6.953	6.952	0.001	90	142603	200.0	200.9	
63 2,4-Dinitrophenol	184	7.001	6.990	0.011	25	6927	400.0	487.5	a
64 4-Nitrophenol	109	7.103	7.048	0.055	1	11059	400.0	878.4	
65 2,4-Dinitrotoluene	165	7.097	7.096	0.001	49	30925	200.0	187.9	
66 Dibenzofuran	168	7.097	7.096	0.001	86	187239	200.0	207.5	
51 2,3,5,6-Tetrachlorophenol	232	7.167	7.166	0.001	58	23023	200.0	183.4	
67 2,3,4,6-Tetrachlorophenol	232	7.199	7.198	0.001	65	29903	200.0	186.3	
68 Diethyl phthalate	149	7.300	7.299	0.001	96	153267	200.0	195.0	
69 Fluorene	166	7.375	7.374	0.001	91	158527	200.0	220.8	
70 4-Chlorophenyl phenyl ether	204	7.386	7.385	0.001	88	67522	200.0	204.3	
71 4-Nitroaniline	138	7.418	7.401	0.017	42	30141	200.0	239.3	M
72 4,6-Dinitro-2-methylphenol	198	7.423	7.422	0.001	71	20055	400.0	350.0	
73 N-Nitrosodiphenylamine	169	7.482	7.481	0.001	53	103990	200.0	215.6	
74 Azobenzene	77	7.514	7.513	0.001	82	100510	200.0	203.7	
75 4-Bromophenyl phenyl ether	248	7.781	7.786	-0.005	62	34670	200.0	179.2	
76 Hexachlorobenzene	284	7.819	7.818	0.001	86	51847	200.0	220.8	
77 Atrazine	200	7.931	7.930	0.001	82	38560	200.0	204.3	
78 Pentachlorophenol	266	7.989	7.983	0.006	68	27618	400.0	343.7	
79 n-Octadecane	57	8.086	8.085	0.001	87	57505	200.0	199.6	
80 Phenanthrene	178	8.155	8.160	-0.004	96	207412	200.0	196.3	
81 Anthracene	178	8.198	8.197	0.001	95	205516	200.0	194.2	
83 Carbazole	167	8.342	8.336	0.006	78	161571	200.0	198.3	
84 Di-n-butyl phthalate	149	8.647	8.646	0.001	98	238202	200.0	177.5	
85 Fluoranthene	202	9.133	9.132	0.001	95	218747	200.0	195.5	
88 Benzidine	184	9.266	9.260	0.006	83	77542	400.0	376.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
89 Pyrene	202	9.314	9.313	0.001	97	218610	200.0	188.6	
94 Butyl benzyl phthalate	149	9.870	9.869	0.001	87	90103	200.0	175.1	
96 3,3'-Dichlorobenzidine	252	10.324	10.318	0.006	41	103543	400.0	368.9	
97 Benzo[a]anthracene	228	10.324	10.323	0.001	98	158668	200.0	175.6	
99 Chrysene	228	10.356	10.360	-0.004	83	190523	200.0	182.8	
98 Bis(2-ethylhexyl) phthalate	149	10.393	10.393	0.001	80	121780	200.0	181.4	
100 Di-n-octyl phthalate	149	11.061	11.055	0.006	93	166908	200.0	166.0	
101 Benzo[b]fluoranthene	252	11.424	11.424	0.000	89	166789	200.0	200.2	
102 Benzofluoranthene	252	11.457	11.456	0.001	1	381511	400.0	408.8	
103 Benzo[k]fluoranthene	252	11.457	11.456	0.001	90	222783	200.0	218.5	
104 Benzo[a]pyrene	252	11.798	11.792	0.006	62	145669	200.0	192.2	
105 Indeno[1,2,3-cd]pyrene	276	13.166	13.165	0.001	97	138112	200.0	187.3	
106 Dibenz(a,h)anthracene	278	13.214	13.208	0.006	1	158200	200.0	202.0	
107 Benzo[g,h,i]perylene	276	13.497	13.496	0.001	85	171922	200.0	178.9	

QC Flag Legend

Processing Flags
NC - Not Calibrated
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

8270SIM_IS_00069	Amount Added: 8.00	Units: uL
ccv_8270_1000_00057	Amount Added: 200.00	Units: uL

Report Date: 28-Jan-2022 17:06:59 Chrom Revision: 2.3 18-Jan-2022 20:25:40

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A15_.D

Injection Date: 24-Jan-2022 19:00:30 Instrument ID: TAC051

Lims ID: STD5

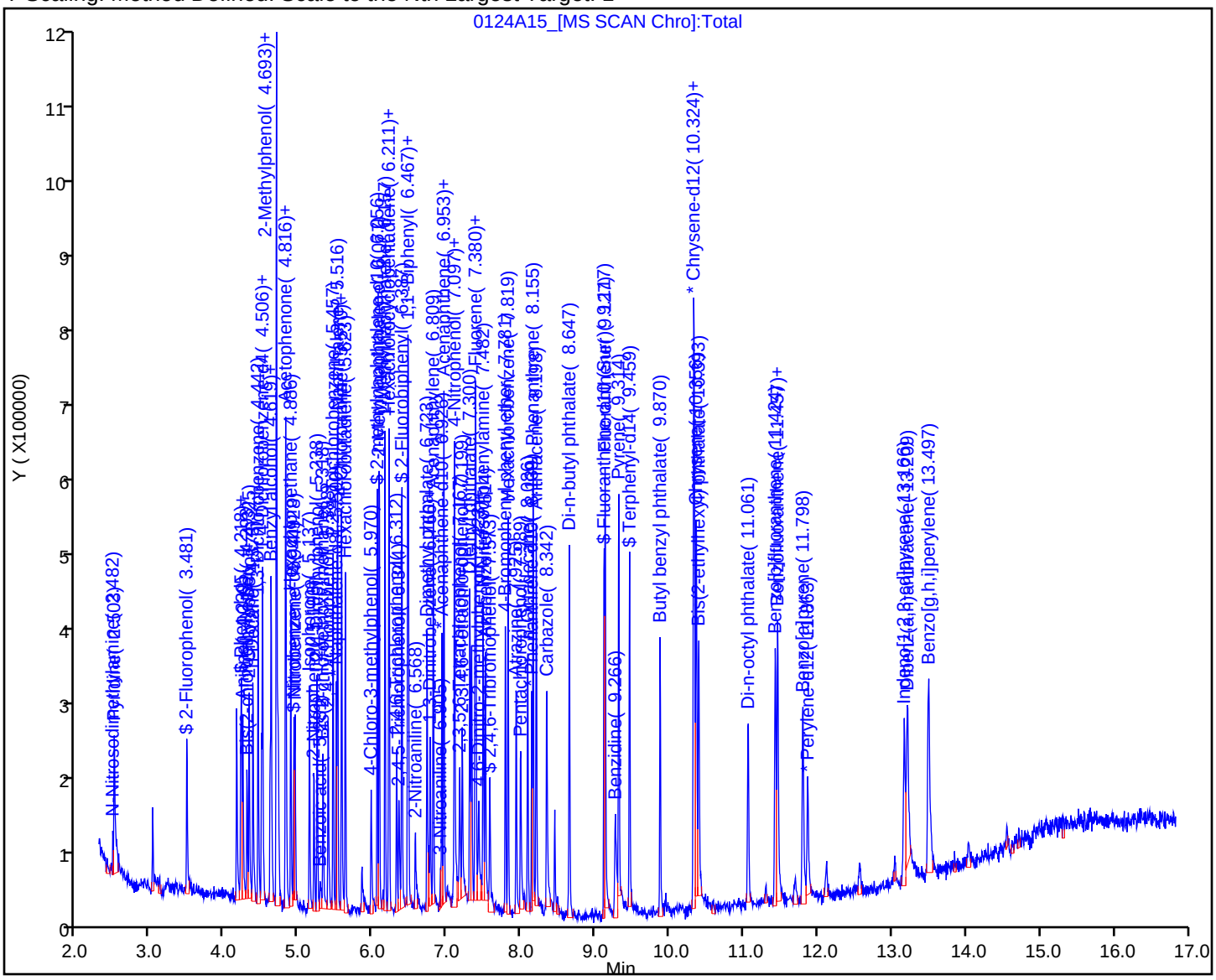
Client ID:

Operator ID: TL ALS Bottle#: 9 Worklist Smp#: 9

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Seattle

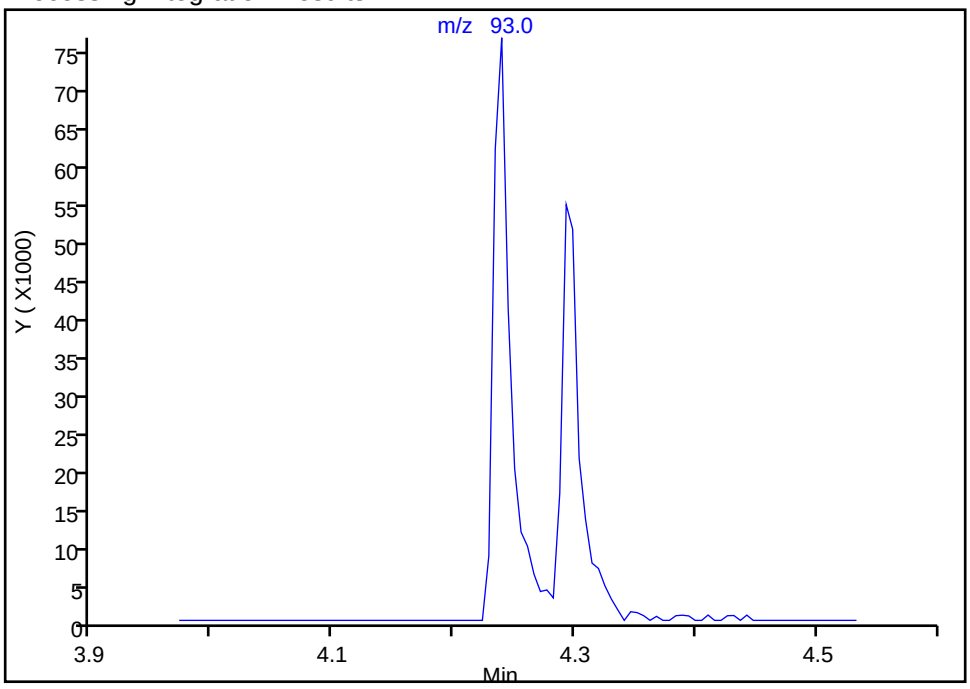
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A15_.D
Injection Date: 24-Jan-2022 19:00:30 Instrument ID: TAC051
Lims ID: STD5
Client ID:
Operator ID: TL ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

18 Aniline, CAS: 62-53-3

Signal: 1

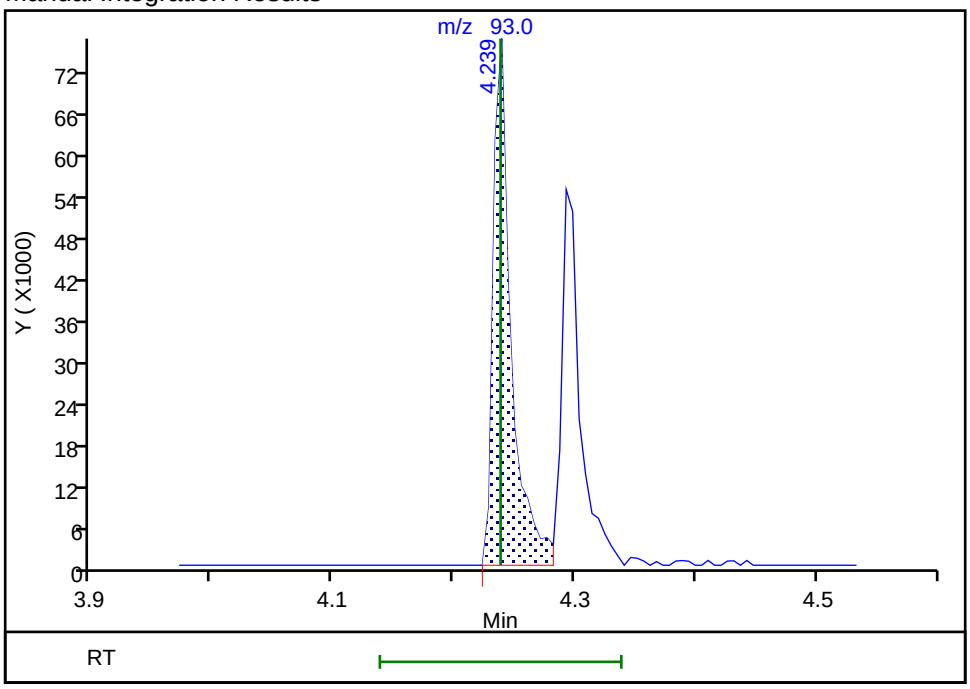
Not Detected
Expected RT: 4.24

Processing Integration Results



Manual Integration Results

RT: 4.24
Area: 78860
Amount: 195.1809
Amount Units: ug/L



Reviewer: limmere, 27-Jan-2022 13:55:30
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Seattle

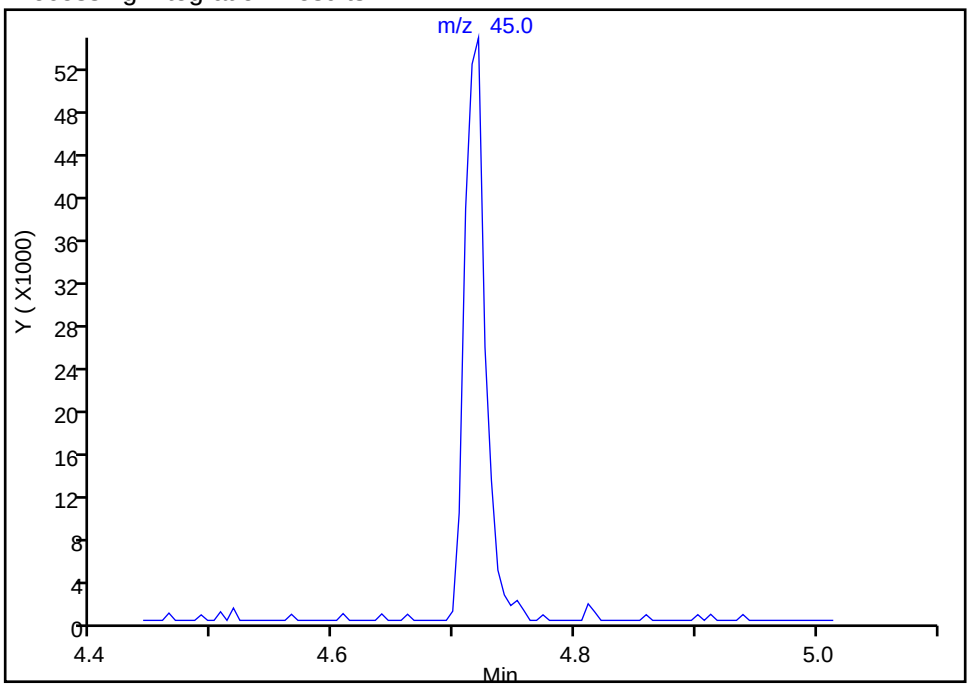
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A15_.D
Injection Date: 24-Jan-2022 19:00:30 Instrument ID: TAC051
Lims ID: STD5
Client ID:
Operator ID: TL ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

29 2,2'-oxybis[1-chloropropane], CAS: 108-60-1

Signal: 1

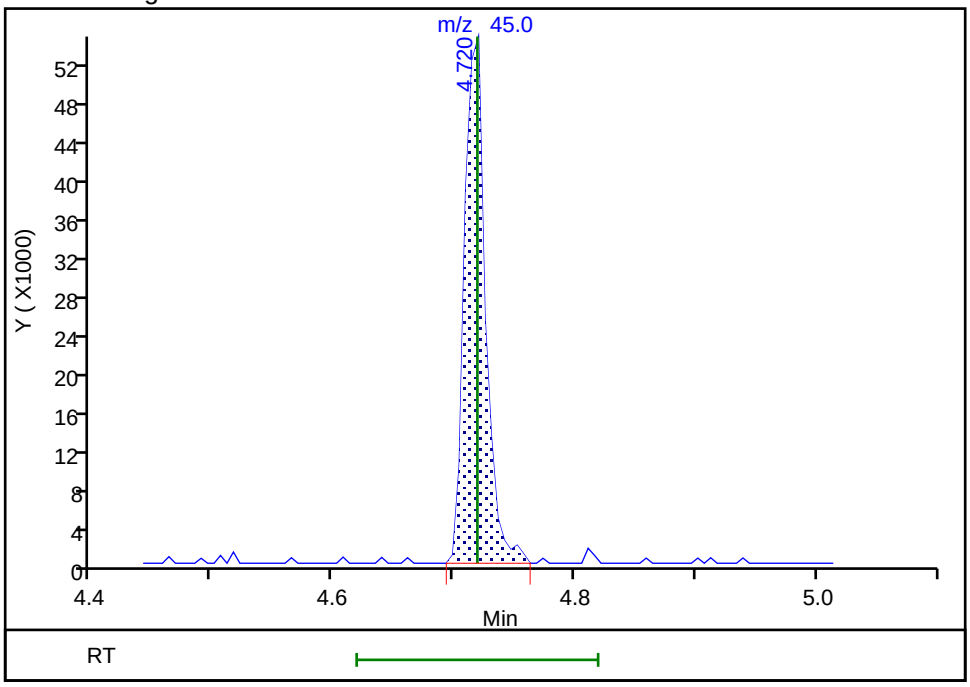
Not Detected
Expected RT: 4.72

Processing Integration Results



Manual Integration Results

RT: 4.72
Area: 66159
Amount: 206.6241
Amount Units: ug/L



Reviewer: limmere, 27-Jan-2022 13:55:36
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Seattle

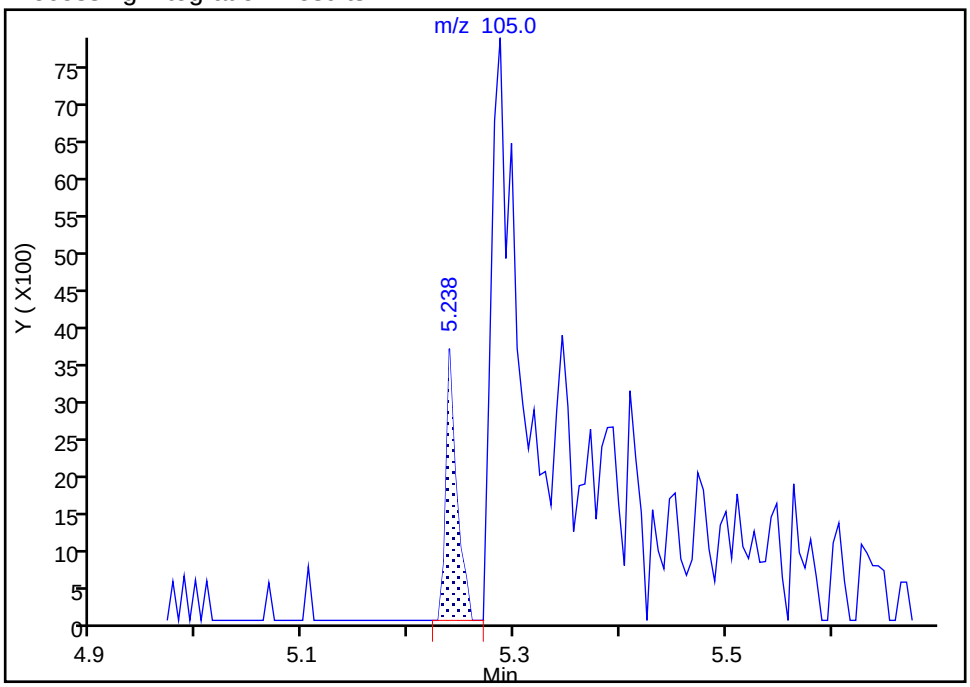
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A15_.D
Injection Date: 24-Jan-2022 19:00:30 Instrument ID: TAC051
Lims ID: STD5
Client ID:
Operator ID: TL ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

39 Benzoic acid, CAS: 65-85-0

Signal: 1

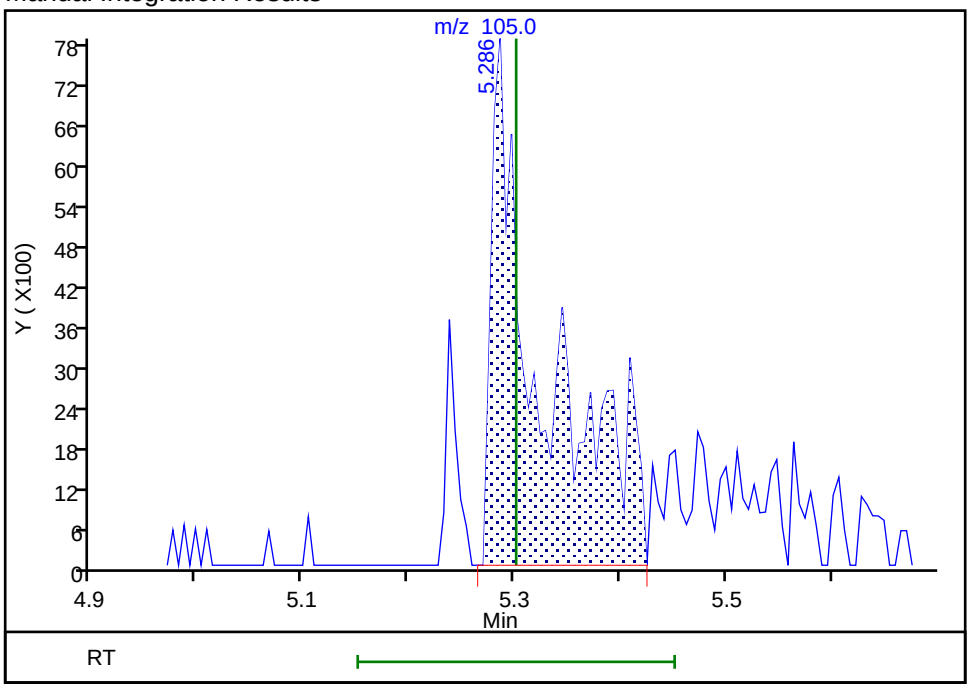
Processing Integration Results

RT: 5.24
Area: 2573
Amount: 325.8262
Amount Units: ug/L



Manual Integration Results

RT: 5.29
Area: 26059
Amount: 431.2288
Amount Units: ug/L



Reviewer: mohammedj, 27-Jan-2022 14:40:14
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Eurofins Seattle

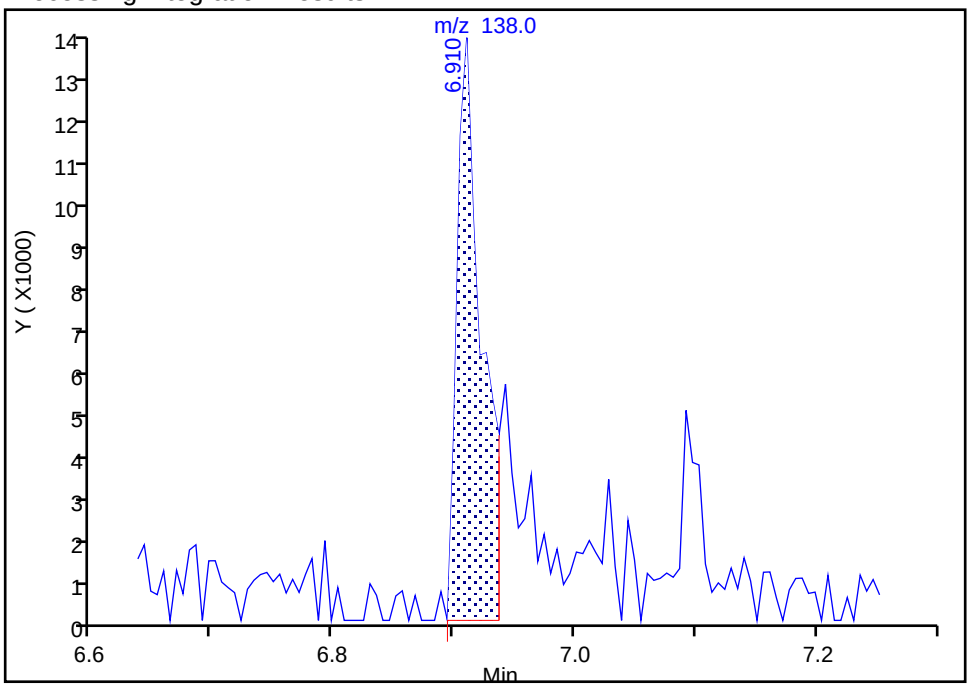
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A15_.D
Injection Date: 24-Jan-2022 19:00:30 Instrument ID: TAC051
Lims ID: STD5
Client ID:
Operator ID: TL ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

61 3-Nitroaniline, CAS: 99-09-2

Signal: 1

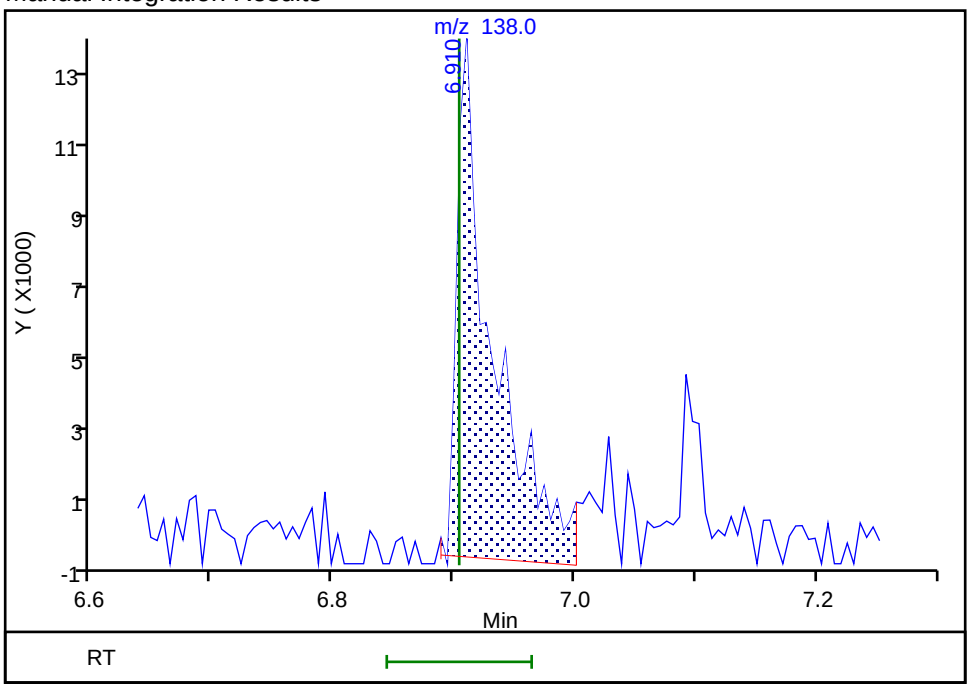
Processing Integration Results

RT: 6.91
Area: 18771
Amount: 160.2519
Amount Units: ug/L



Manual Integration Results

RT: 6.91
Area: 26552
Amount: 217.4114
Amount Units: ug/L



Reviewer: mohammedj, 27-Jan-2022 14:39:50
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Seattle

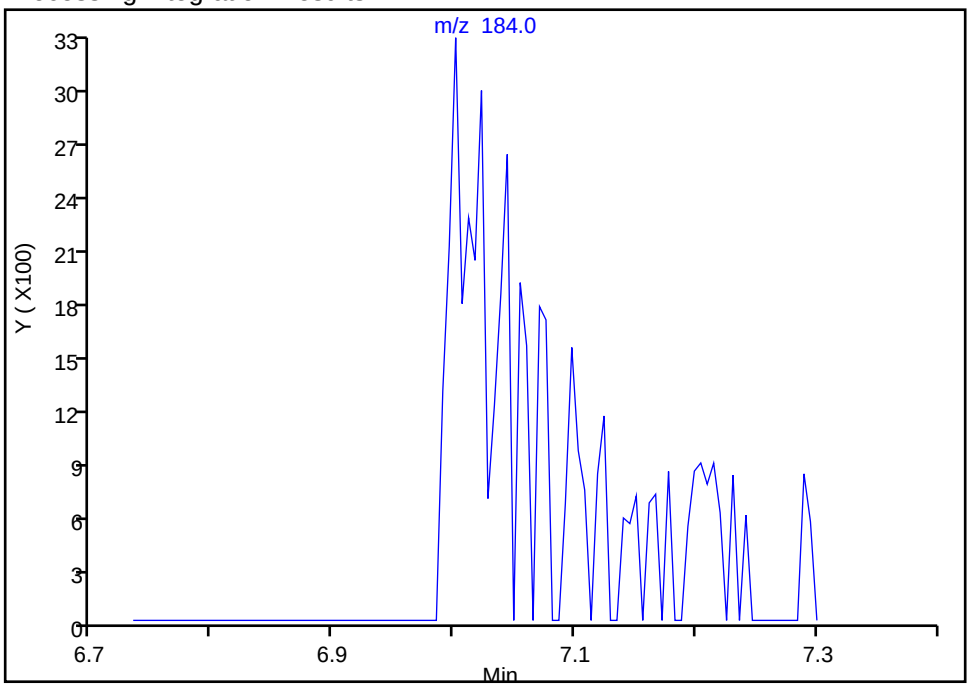
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A15_.D
Injection Date: 24-Jan-2022 19:00:30 Instrument ID: TAC051
Lims ID: STD5
Client ID:
Operator ID: TL ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

63 2,4-Dinitrophenol, CAS: 51-28-5

Signal: 1

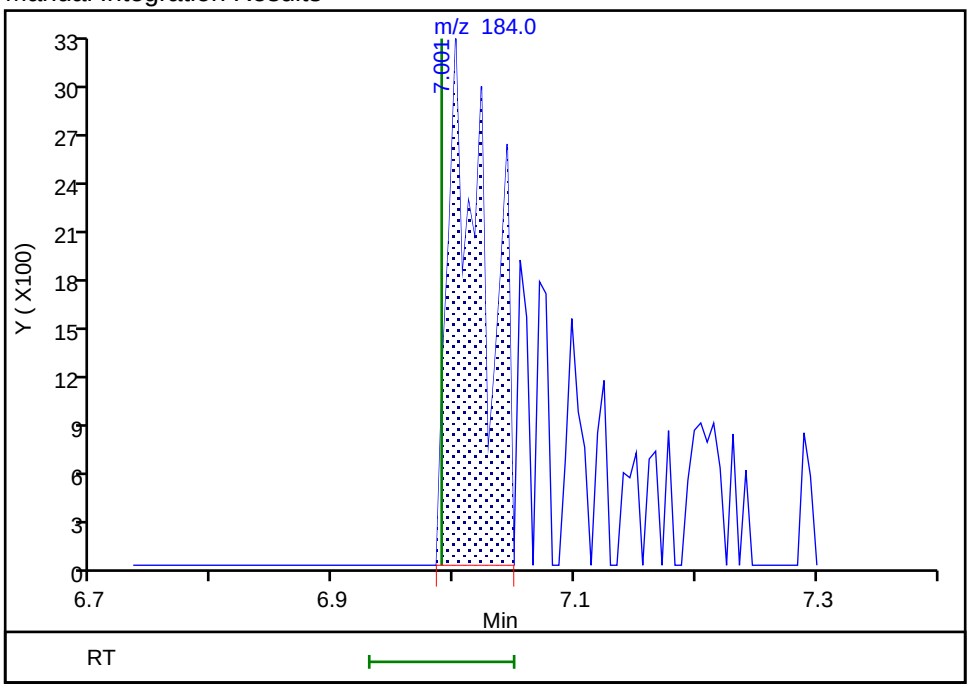
Not Detected
Expected RT: 6.99

Processing Integration Results



Manual Integration Results

RT: 7.00
Area: 6927
Amount: 487.4696
Amount Units: ug/L



Reviewer: limmere, 27-Jan-2022 13:55:48
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Seattle

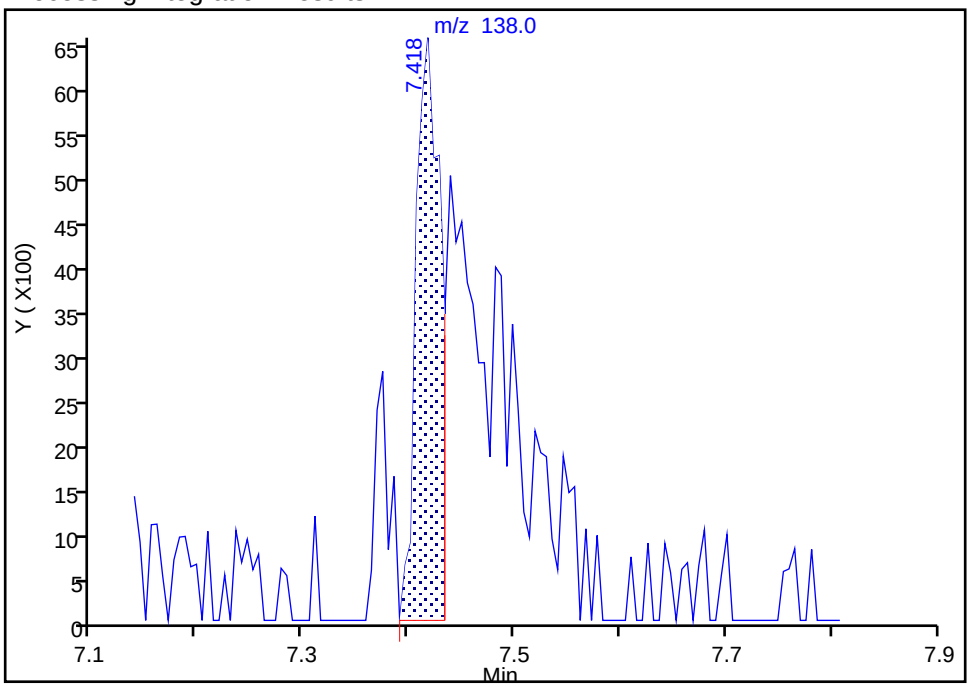
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A15_.D
Injection Date: 24-Jan-2022 19:00:30 Instrument ID: TAC051
Lims ID: STD5
Client ID:
Operator ID: TL ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

71 4-Nitroaniline, CAS: 100-01-6

Signal: 1

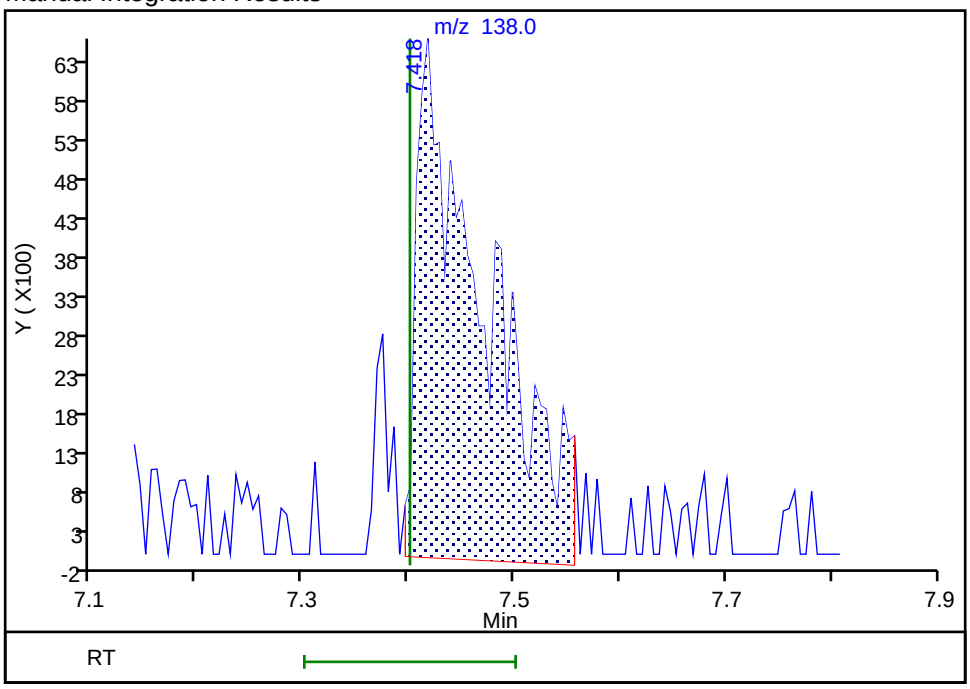
Processing Integration Results

RT: 7.42
Area: 10481
Amount: 180.8172
Amount Units: ug/L



Manual Integration Results

RT: 7.42
Area: 30141
Amount: 239.2964
Amount Units: ug/L



Reviewer: mohammedj, 27-Jan-2022 14:39:20
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A16_.D
Lims ID: STD4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 24-Jan-2022 19:23:30 ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 4
Operator ID: TL Instrument ID: TAC051
Sublist: chrom-8270 TAC051*sub34

Method: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 28-Jan-2022 17:07:03 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: limmere Date: 25-Jan-2022 15:06:22

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.489	4.489	0.000	85	34443	100.0	100.0	
* 2 Naphthalene-d8	136	5.499	5.499	0.000	96	126881	100.0	100.0	
* 3 Acenaphthene-d10	164	6.925	6.925	0.000	86	57635	100.0	100.0	
* 4 Phenanthrene-d10	188	8.138	8.138	0.000	91	82968	100.0	100.0	
* 5 Chrysene-d12	240	10.334	10.334	0.000	94	67633	100.0	100.0	
* 6 Perylene-d12	264	11.862	11.862	0.000	90	75635	100.0	100.0	
$ 7 2-Fluorophenol	112	3.485	3.485	0.000	78	30700	100.0	100.3	
$ 8 Phenol-d5	99	4.212	4.212	0.000	96	33408	100.0	92.7	
$ 9 Nitrobenzene-d5	82	4.927	4.928	-0.001	83	27133	100.0	89.8	
$ 10 2-methylnaphthalene-d10	152	6.055	6.055	0.000	0	70367	NC	NC	
$ 11 2-Fluorobiphenyl	172	6.386	6.386	0.000	92	78870	100.0	102.9	
$ 12 2,4,6-Tribromophenol	330	7.577	7.572	0.005	16	4032	100.0	73.7	
$ 13 Fluoranthene-d10 (Surr)	212	9.116	9.116	0.000	0	87709	NC	NC	
$ 14 Terphenyl-d14	244	9.458	9.458	0.000	86	62580	100.0	100.7	
16 N-Nitrosodimethylamine	74	2.491	2.475	0.016	69	10054	100.0	93.4	
17 Pyridine	79	2.513	2.492	0.021	83	39140	200.0	207.0	
19 Phenol	94	4.222	4.222	0.000	91	31889	100.0	92.2	
18 Aniline	93	4.238	4.238	0.000	28	37504	100.0	92.1	
20 Bis(2-chloroethyl)ether	93	4.297	4.297	0.000	78	29940	100.0	100.6	
21 2-Chlorophenol	128	4.324	4.324	0.000	79	42162	100.0	101.1	
22 n-Decane	57	4.377	4.377	0.000	76	27974	100.0	102.8	
23 1,3-Dichlorobenzene	146	4.447	4.447	0.000	93	51957	100.0	104.7	
25 1,4-Dichlorobenzene	146	4.505	4.505	0.000	84	53699	100.0	99.6	
26 Benzyl alcohol	79	4.607	4.607	0.000	89	16639	100.0	85.6	
27 1,2-Dichlorobenzene	146	4.623	4.623	0.000	87	46821	100.0	92.8	
28 2-Methylphenol	108	4.692	4.692	0.000	45	26820	100.0	92.8	
29 2,2'-oxybis[1-chloropropane]	45	4.719	4.719	0.000	45	35169	100.0	105.2	a
30 Acetophenone	105	4.815	4.810	0.005	90	41180	100.0	94.4	
31 N-Nitrosodi-n-propylamine	70	4.815	4.815	0.000	58	17256	100.0	100.5	
32 3 & 4 Methylphenol	108	4.821	4.821	0.000	81	25629	100.0	90.7	
33 Hexachloroethane	117	4.885	4.885	0.000	84	20367	100.0	104.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
34 Nitrobenzene	77	4.943	4.944	-0.001	73	27835	100.0	103.2	
35 Isophorone	82	5.136	5.136	0.000	91	48088	100.0	94.9	
36 2-Nitrophenol	139	5.200	5.200	0.000	74	16835	100.0	83.7	
37 2,4-Dimethylphenol	107	5.243	5.243	0.000	83	28429	100.0	87.2	
38 Bis(2-chloroethoxy)methane	93	5.323	5.323	0.000	88	31732	100.0	99.8	
40 2,4-Dichlorophenol	162	5.392	5.392	0.000	71	25309	100.0	90.7	
41 1,2,4-Trichlorobenzene	180	5.456	5.456	0.000	91	38590	100.0	99.5	
42 Naphthalene	128	5.515	5.515	0.000	90	130261	100.0	98.6	
43 4-Chloroaniline	127	5.574	5.569	0.005	78	34056	100.0	99.7	
44 2,6-Dichlorophenol	162	5.574	5.574	0.000	83	28442	100.0	98.5	
45 Hexachlorobutadiene	225	5.622	5.622	0.000	87	20550	100.0	89.2	
46 4-Chloro-3-methylphenol	107	5.980	5.969	0.011	52	13141	100.0	94.0	
47 2-Methylnaphthalene	142	6.081	6.081	0.000	76	78916	100.0	95.5	
48 1-Methylnaphthalene	142	6.156	6.156	0.000	88	78343	100.0	99.8	
49 Hexachlorocyclopentadiene	237	6.210	6.210	0.000	71	20411	100.0	100.4	
50 1,2,4,5-Tetrachlorobenzene	216	6.215	6.215	0.000	82	33379	100.0	102.3	
52 2,4,6-Trichlorophenol	196	6.316	6.311	0.005	54	10805	100.0	87.7	
53 2,4,5-Trichlorophenol	196	6.354	6.343	0.011	38	11295	100.0	95.3	a
54 1,1'-Biphenyl	154	6.466	6.461	0.005	92	86306	100.0	103.2	
55 2-Chloronaphthalene	162	6.477	6.471	0.006	90	69851	100.0	106.4	
56 2-Nitroaniline	138	6.573	6.568	0.005	23	8826	100.0	105.9	M
57 Dimethyl phthalate	163	6.728	6.722	0.006	95	67587	100.0	96.6	
58 1,3-Dinitrobenzene	168	6.754	6.744	0.010	1	4157	100.0	155.0	
59 2,6-Dinitrotoluene	165	6.771	6.765	0.005	59	8999	100.0	85.1	
60 Acenaphthylene	152	6.808	6.808	0.000	86	94501	100.0	93.6	
61 3-Nitroaniline	138	6.931	6.904	0.027	5	4360	100.0	98.2	
62 Acenaphthene	153	6.952	6.952	0.000	87	68184	100.0	101.1	
64 4-Nitrophenol	109	7.107	7.048	0.059	27	1889	200.0	801.9	
65 2,4-Dinitrotoluene	165	7.102	7.096	0.006	31	9930	100.0	103.1	a
66 Dibenzofuran	168	7.096	7.096	0.000	84	89695	100.0	104.6	
51 2,3,5,6-Tetrachlorophenol	232	7.171	7.166	0.005	25	7172	100.0	87.7	a
67 2,3,4,6-Tetrachlorophenol	232	7.203	7.198	0.005	37	13581	100.0	102.6	
68 Diethyl phthalate	149	7.305	7.299	0.006	92	80149	100.0	107.3	
69 Fluorene	166	7.380	7.374	0.006	89	70202	100.0	102.9	
70 4-Chlorophenyl phenyl ether	204	7.385	7.385	0.000	85	31684	100.0	100.9	
71 4-Nitroaniline	138	7.438	7.401	0.037	1	2738	100.0	81.7	
72 4,6-Dinitro-2-methylphenol	198	7.433	7.422	0.011	30	7501	200.0	250.8	
73 N-Nitrosodiphenylamine	169	7.486	7.481	0.005	48	41726	100.0	94.7	
74 Azobenzene	77	7.513	7.513	0.000	88	45578	100.0	103.0	
75 4-Bromophenyl phenyl ether	248	7.786	7.786	0.000	52	20026	100.0	116.9	
76 Hexachlorobenzene	284	7.823	7.818	0.005	75	24235	100.0	113.0	
77 Atrazine	200	7.930	7.930	0.000	69	16215	100.0	100.4	
78 Pentachlorophenol	266	7.989	7.983	0.005	1	8872	200.0	214.6	a
79 n-Octadecane	57	8.085	8.085	0.000	80	26864	100.0	102.7	
80 Phenanthrene	178	8.159	8.160	0.000	92	100704	100.0	103.1	
81 Anthracene	178	8.202	8.197	0.005	90	93164	100.0	99.8	
83 Carbazole	167	8.346	8.336	0.010	64	69562	100.0	95.5	
84 Di-n-butyl phthalate	149	8.646	8.646	0.000	96	114575	100.0	92.2	
85 Fluoranthene	202	9.132	9.132	0.000	94	97710	100.0	95.5	
88 Benzidine	184	9.276	9.260	0.016	49	37938	200.0	242.2	
89 Pyrene	202	9.313	9.313	0.000	97	105780	100.0	98.8	
94 Butyl benzyl phthalate	149	9.874	9.869	0.005	78	37254	100.0	82.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
96 3,3'-Dichlorobenzidine	252	10.328	10.318	0.010	22	42953	200.0	180.1	
97 Benzo[a]anthracene	228	10.328	10.323	0.005	96	76962	100.0	95.4	
99 Chrysene	228	10.360	10.360	0.000	88	108167	100.0	107.6	
98 Bis(2-ethylhexyl) phthalate	149	10.392	10.393	0.000	73	54145	100.0	87.3	
100 Di-n-octyl phthalate	149	11.060	11.055	0.005	80	80402	100.0	80.3	
101 Benzo[b]fluoranthene	252	11.429	11.424	0.005	90	85190	100.0	103.8	
102 Benzofluoranthene	252	11.429	11.456	-0.027	1	184747	200.0	198.8	a
103 Benzo[k]fluoranthene	252	11.461	11.456	0.005	79	92812	100.0	91.4	
104 Benzo[a]pyrene	252	11.797	11.792	0.005	50	72333	100.0	98.2	
105 Indeno[1,2,3-cd]pyrene	276	13.170	13.165	0.005	92	58203	100.0	84.9	
106 Dibenz(a,h)anthracene	278	13.213	13.208	0.005	1	66707	100.0	93.6	
107 Benzo[g,h,i]perylene	276	13.496	13.496	0.000	75	88949	100.0	94.6	

QC Flag Legend

Processing Flags
NC - Not Calibrated
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

8270SIM_IS_00069	Amount Added: 9.00	Units: uL
ccv_8270_1000_00057	Amount Added: 100.00	Units: uL

Report Date: 28-Jan-2022 17:07:04 Chrom Revision: 2.3 18-Jan-2022 20:25:40

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A16_.D

Injection Date: 24-Jan-2022 19:23:30 Instrument ID: TAC051

Lims ID: STD4

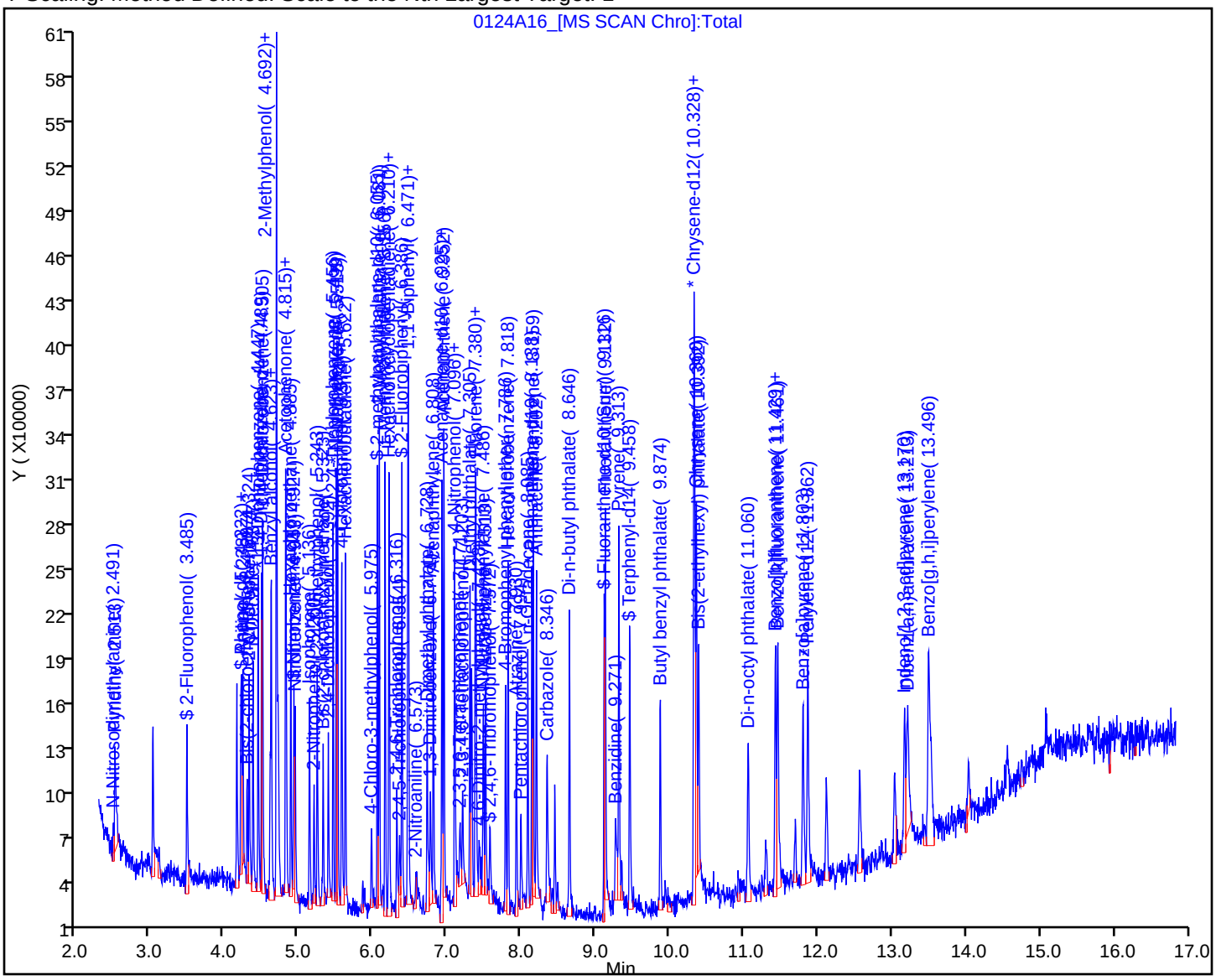
Client ID:

Operator ID: TL ALS Bottle#: 10 Worklist Smp#: 10

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Seattle

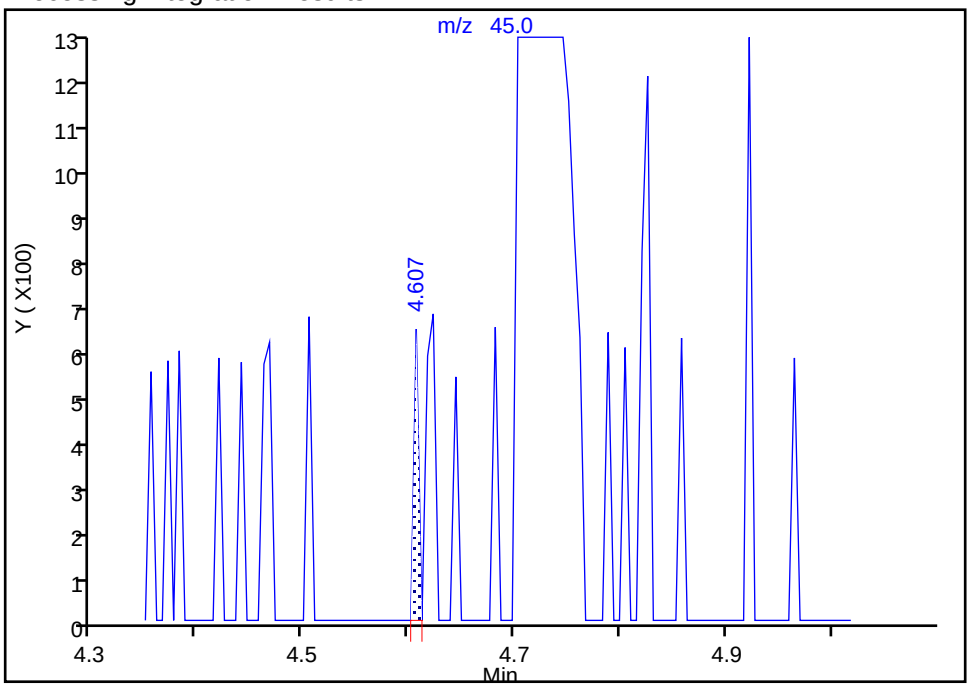
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A16_.D
Injection Date: 24-Jan-2022 19:23:30 Instrument ID: TAC051
Lims ID: STD4
Client ID:
Operator ID: TL ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

29 2,2'-oxybis[1-chloropropane], CAS: 108-60-1

Signal: 1

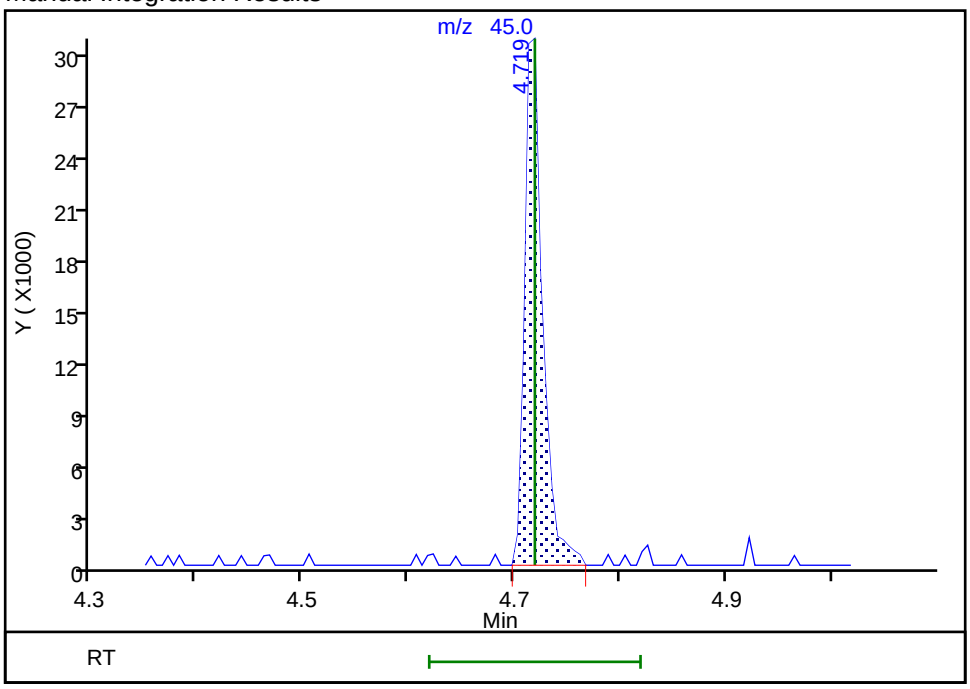
Processing Integration Results

RT: 4.61
Area: 197
Amount: 0.900394
Amount Units: ug/L



Manual Integration Results

RT: 4.72
Area: 35169
Amount: 105.2266
Amount Units: ug/L



Reviewer: mohammedj, 27-Jan-2022 14:38:11
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Seattle

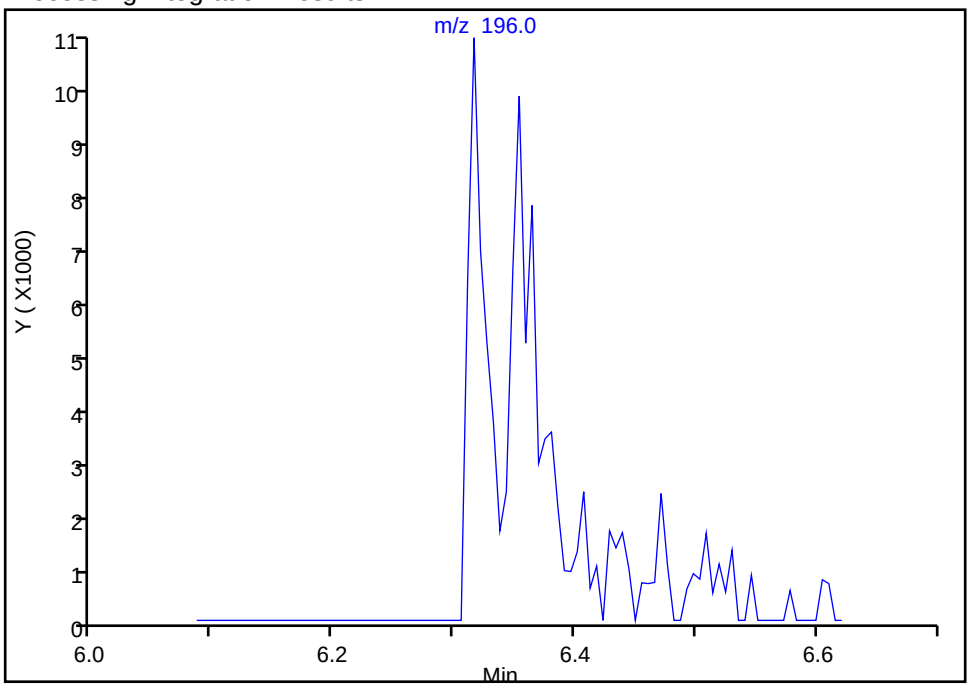
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A16_.D
Injection Date: 24-Jan-2022 19:23:30 Instrument ID: TAC051
Lims ID: STD4
Client ID:
Operator ID: TL ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

53 2,4,5-Trichlorophenol, CAS: 95-95-4

Signal: 1

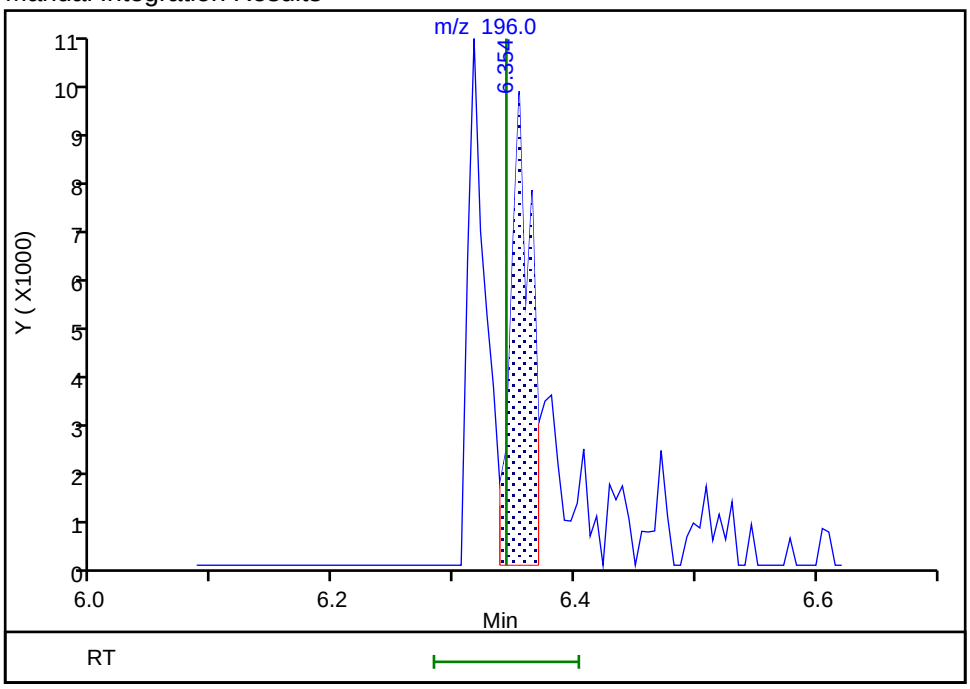
Not Detected
Expected RT: 6.34

Processing Integration Results



Manual Integration Results

RT: 6.35
Area: 11295
Amount: 95.301610
Amount Units: ug/L



Reviewer: limmere, 27-Jan-2022 13:56:40
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Seattle

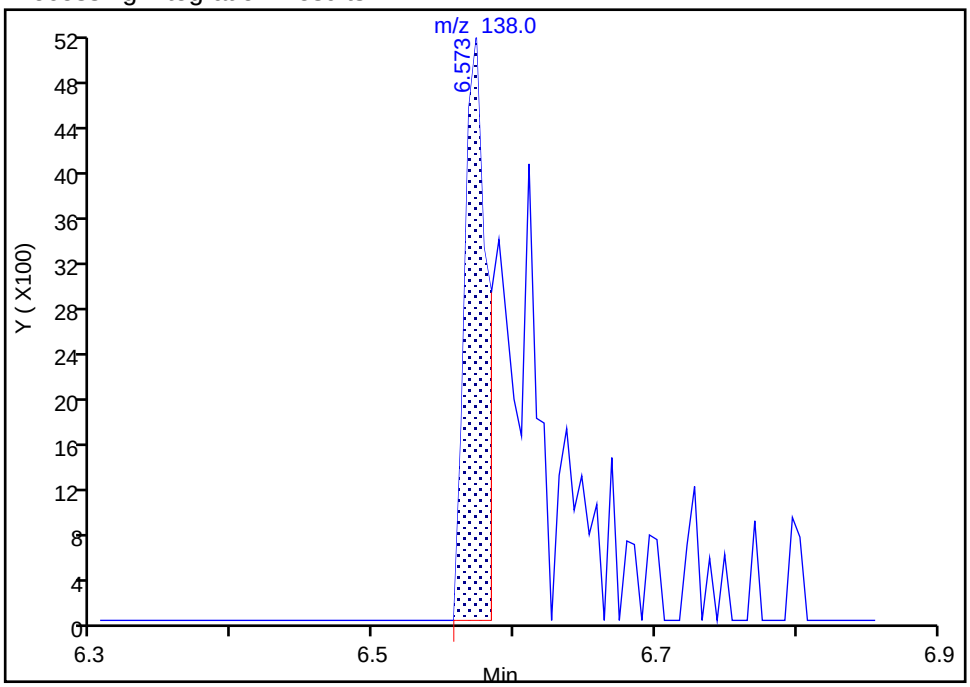
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A16_.D
Injection Date: 24-Jan-2022 19:23:30 Instrument ID: TAC051
Lims ID: STD4
Client ID:
Operator ID: TL ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

56 2-Nitroaniline, CAS: 88-74-4

Signal: 1

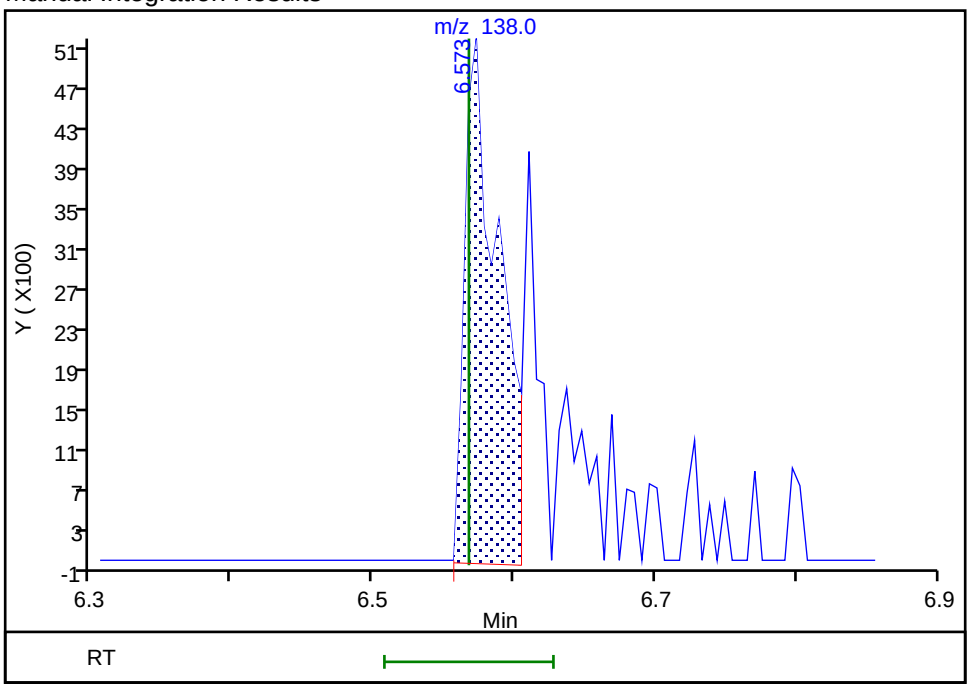
Processing Integration Results

RT: 6.57
Area: 5630
Amount: 120.8943
Amount Units: ug/L



Manual Integration Results

RT: 6.57
Area: 8826
Amount: 105.9456
Amount Units: ug/L



Reviewer: boylea, 28-Jan-2022 16:57:45
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Seattle

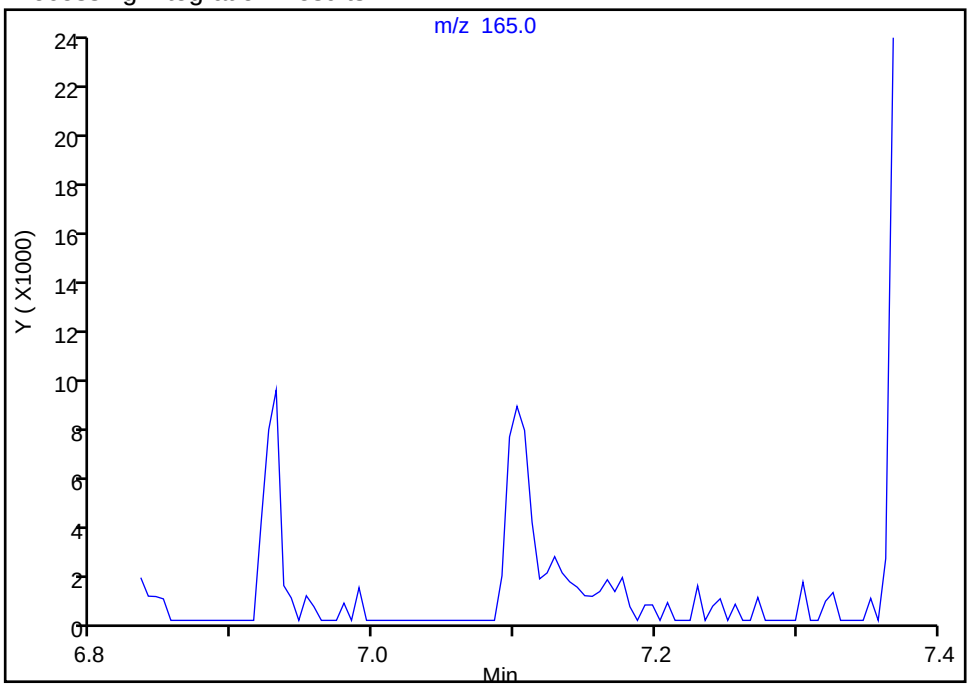
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A16_.D
Injection Date: 24-Jan-2022 19:23:30 Instrument ID: TAC051
Lims ID: STD4
Client ID:
Operator ID: TL ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

65 2,4-Dinitrotoluene, CAS: 121-14-2

Signal: 1

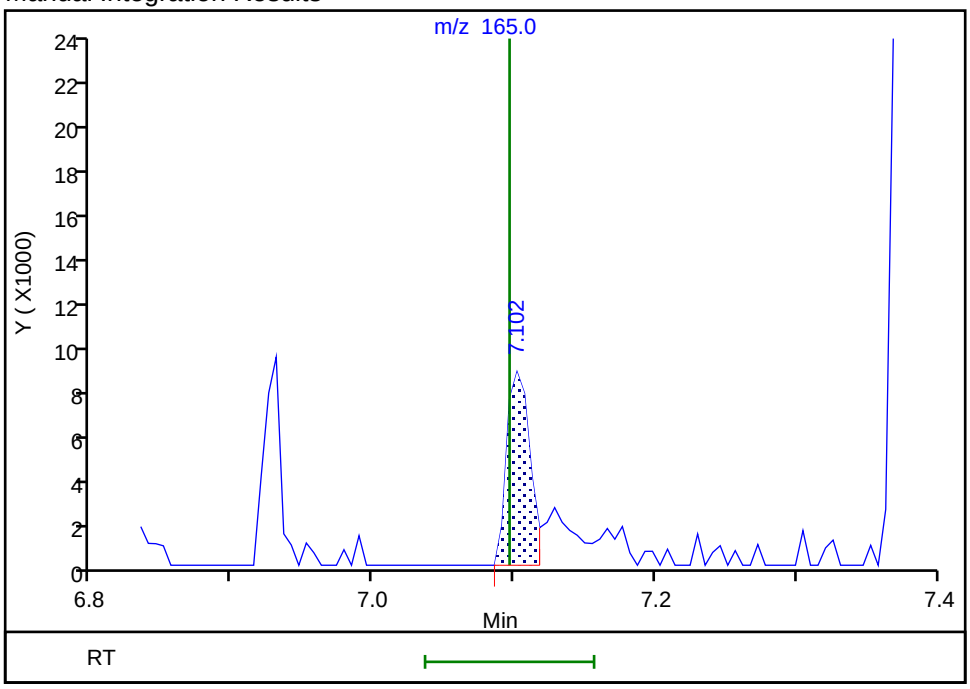
Not Detected
Expected RT: 7.10

Processing Integration Results



Manual Integration Results

RT: 7.10
Area: 9930
Amount: 103.0546
Amount Units: ug/L



Reviewer: mohammedj, 27-Jan-2022 14:38:21
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Seattle

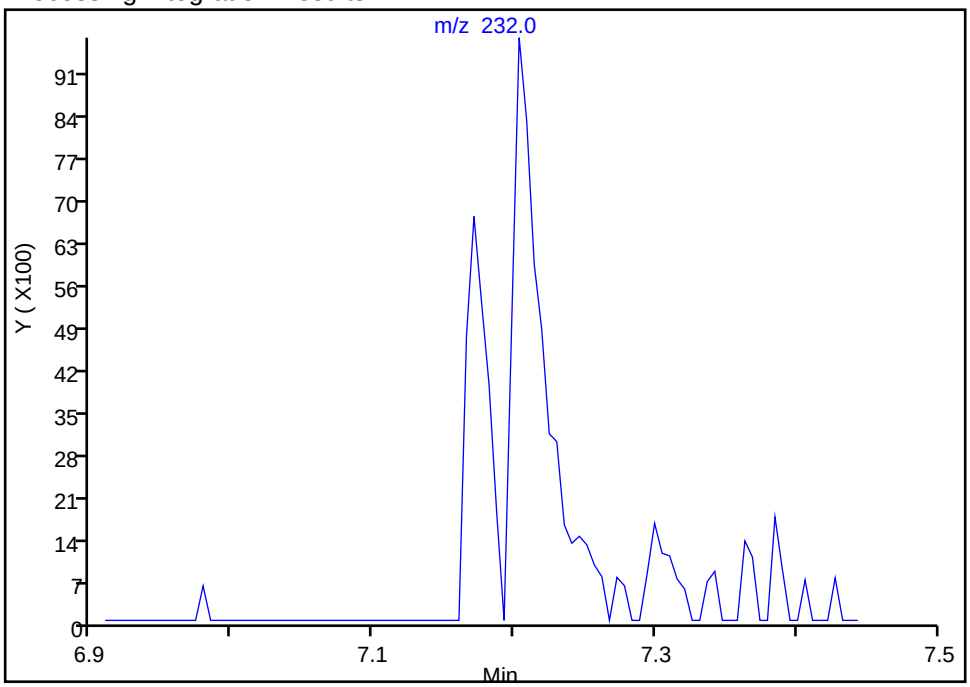
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A16_.D
Injection Date: 24-Jan-2022 19:23:30 Instrument ID: TAC051
Lims ID: STD4
Client ID:
Operator ID: TL ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

51 2,3,5,6-Tetrachlorophenol, CAS: 935-95-5

Signal: 1

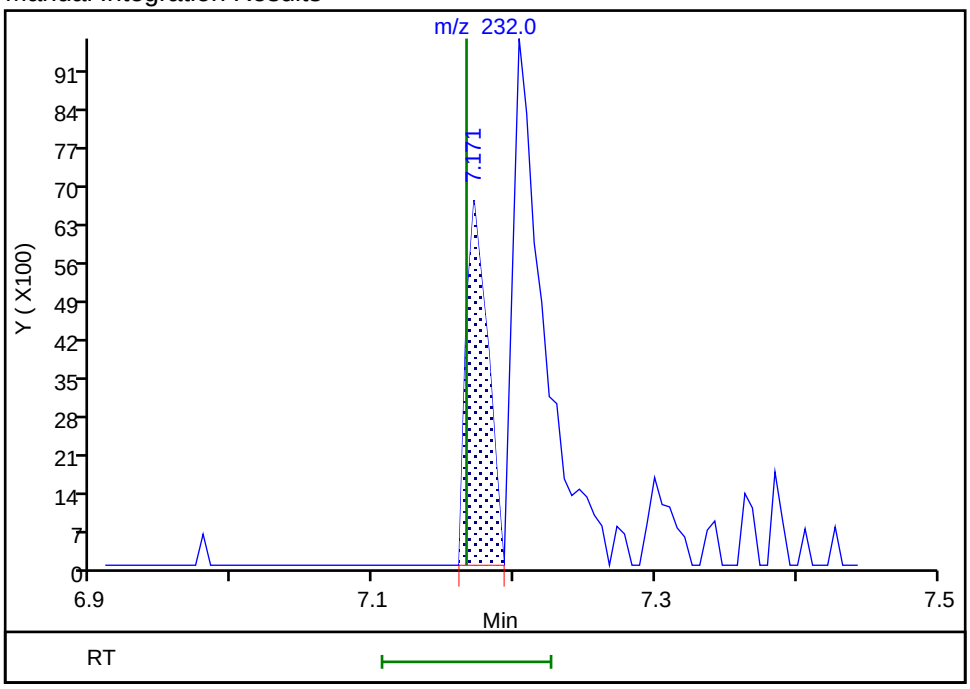
Not Detected
Expected RT: 7.17

Processing Integration Results



Manual Integration Results

RT: 7.17
Area: 7172
Amount: 87.663944
Amount Units: ug/L



Reviewer: limmere, 27-Jan-2022 13:56:31
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Seattle

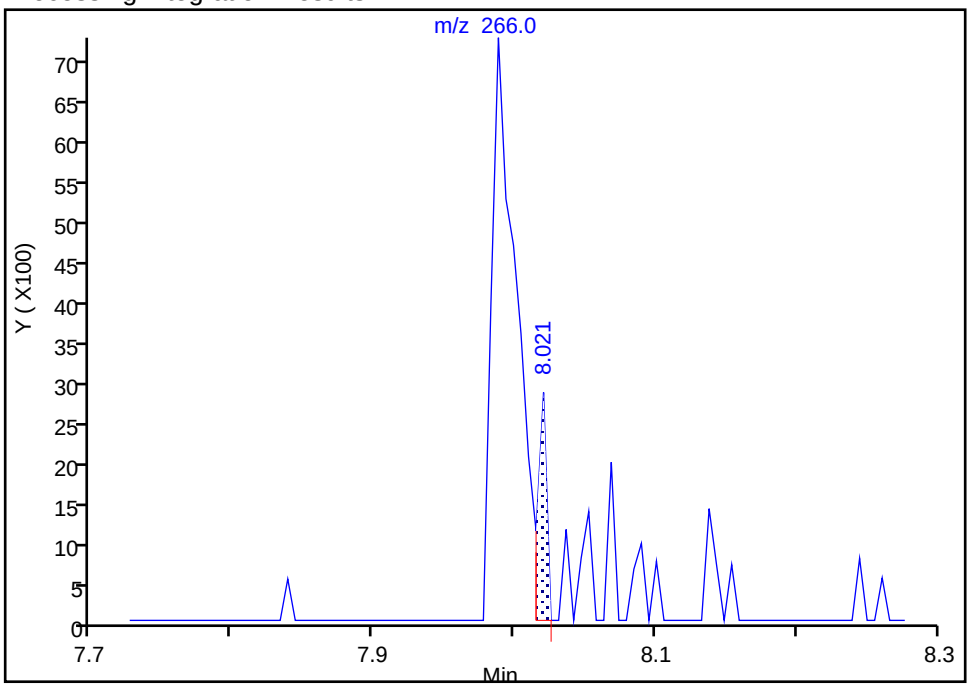
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A16_.D
Injection Date: 24-Jan-2022 19:23:30 Instrument ID: TAC051
Lims ID: STD4
Client ID:
Operator ID: TL ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

78 Pentachlorophenol, CAS: 87-86-5

Signal: 1

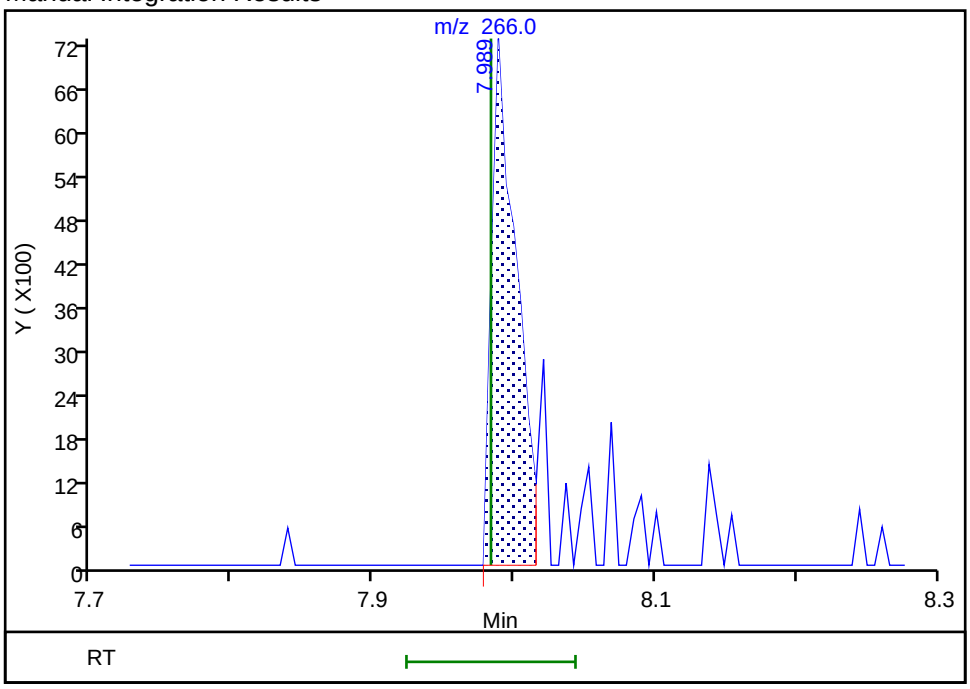
Processing Integration Results

RT: 8.02
Area: 1260
Amount: 203.3115
Amount Units: ug/L



Manual Integration Results

RT: 7.99
Area: 8872
Amount: 214.6353
Amount Units: ug/L



Reviewer: mohammedj, 27-Jan-2022 14:38:34
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Seattle

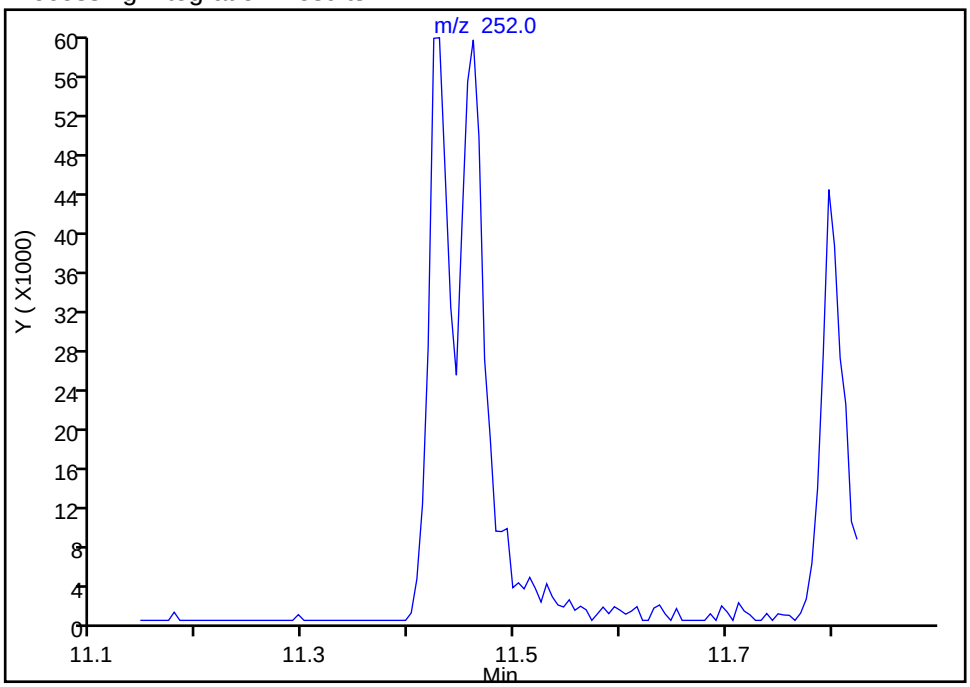
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A16_.D
Injection Date: 24-Jan-2022 19:23:30 Instrument ID: TAC051
Lims ID: STD4
Client ID:
Operator ID: TL ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

102 Benzofluoranthene, CAS: 56832-73-6

Signal: 1

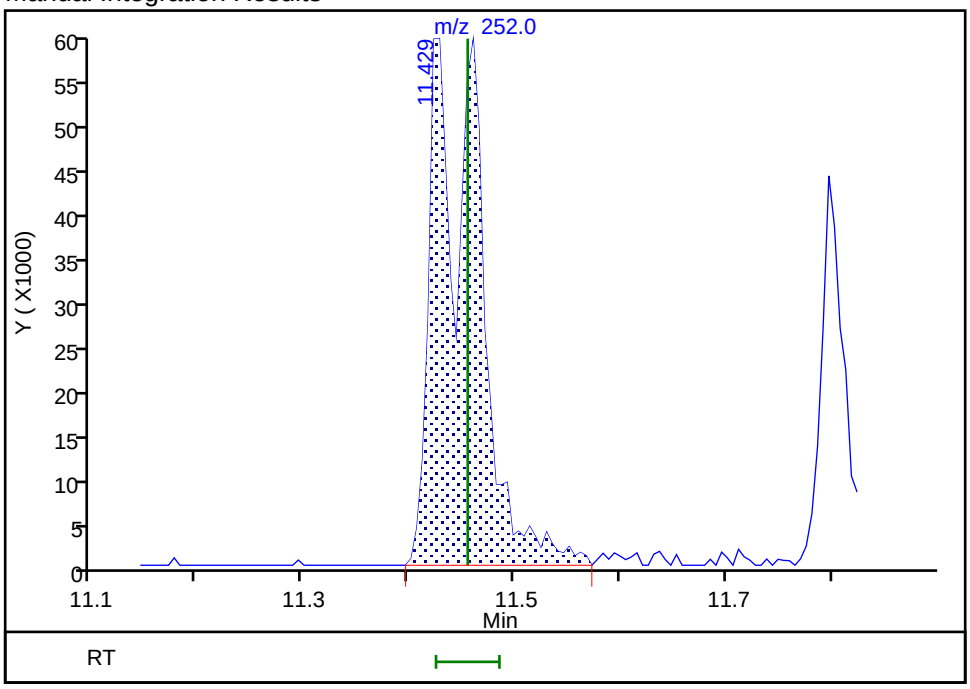
Not Detected
Expected RT: 11.46

Processing Integration Results



Manual Integration Results

RT: 11.43
Area: 184747
Amount: 198.7696
Amount Units: ug/L



Reviewer: limmere, 27-Jan-2022 13:56:16
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A17_.D
Lims ID: STD3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 24-Jan-2022 19:45:30 ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 3
Operator ID: TL Instrument ID: TAC051
Sublist: chrom-8270 TAC051*sub34

Method: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 28-Jan-2022 17:07:07 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: limmere Date: 25-Jan-2022 15:07:17

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.489	4.489	0.000	84	33814	100.0	100.0	
* 2 Naphthalene-d8	136	5.499	5.499	0.000	96	120154	100.0	100.0	
* 3 Acenaphthene-d10	164	6.925	6.925	0.000	90	54246	100.0	100.0	
* 4 Phenanthrene-d10	188	8.138	8.138	0.000	88	75532	100.0	100.0	
* 5 Chrysene-d12	240	10.333	10.334	-0.001	93	65781	100.0	100.0	
* 6 Perylene-d12	264	11.867	11.862	0.005	80	68492	100.0	100.0	
$ 7 2-Fluorophenol	112	3.485	3.485	0.000	59	15431	50.0	53.7	
$ 8 Phenol-d5	99	4.211	4.212	-0.001	90	15758	50.0	43.8	
$ 9 Nitrobenzene-d5	82	4.927	4.928	-0.001	54	15195	50.0	53.1	
$ 10 2-methylnaphthalene-d10	152	6.054	6.055	-0.001	0	37271	NC	NC	
$ 11 2-Fluorobiphenyl	172	6.386	6.386	0.000	82	41014	50.0	56.9	
$ 12 2,4,6-Tribromophenol	330	7.577	7.572	0.005	1	1919	50.0	57.2	
$ 13 Fluoranthene-d10 (Surr)	212	9.115	9.116	-0.001	0	41411	NC	NC	
$ 14 Terphenyl-d14	244	9.457	9.458	-0.001	67	32224	50.0	57.0	
16 N-Nitrosodimethylamine	74	2.502	2.475	0.027	66	5516	50.0	62.8	
17 Pyridine	79	2.534	2.492	0.042	84	10778	100.0	97.6	
19 Phenol	94	4.222	4.222	0.000	86	15427	50.0	45.4	
18 Aniline	93	4.238	4.238	0.000	21	19248	50.0	50.9	
20 Bis(2-chloroethyl)ether	93	4.297	4.297	0.000	62	14885	50.0	51.0	
21 2-Chlorophenol	128	4.329	4.324	0.005	67	18264	50.0	44.6	
22 n-Decane	57	4.377	4.377	0.000	78	11469	50.0	42.9	
23 1,3-Dichlorobenzene	146	4.446	4.447	-0.001	81	25691	50.0	52.7	
25 1,4-Dichlorobenzene	146	4.505	4.505	0.000	88	25157	50.0	47.5	
26 Benzyl alcohol	79	4.607	4.607	0.000	61	8445	50.0	47.8	
27 1,2-Dichlorobenzene	146	4.623	4.623	0.000	79	27809	50.0	56.1	
28 2-Methylphenol	108	4.698	4.692	0.006	50	13788	50.0	48.6	
29 2,2'-oxybis[1-chloropropane]	45	4.719	4.719	0.000	35	16099	50.0	49.1	
30 Acetophenone	105	4.815	4.810	0.005	85	21594	50.0	50.4	
31 N-Nitrosodi-n-propylamine	70	4.820	4.815	0.005	74	9614	50.0	57.1	
32 3 & 4 Methylphenol	108	4.820	4.821	-0.001	72	12191	50.0	47.1	
33 Hexachloroethane	117	4.884	4.885	-0.001	77	10733	50.0	55.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
34 Nitrobenzene	77	4.943	4.944	-0.001	84	12645	50.0	52.5	
35 Isophorone	82	5.141	5.136	0.005	86	26544	50.0	53.3	
36 2-Nitrophenol	139	5.200	5.200	0.000	69	7885	50.0	45.0	
37 2,4-Dimethylphenol	107	5.242	5.243	-0.001	79	14257	50.0	46.8	
38 Bis(2-chloroethoxy)methane	93	5.323	5.323	0.000	78	14617	50.0	46.8	
40 2,4-Dichlorophenol	162	5.392	5.392	0.000	51	11144	50.0	51.1	
41 1,2,4-Trichlorobenzene	180	5.456	5.456	0.000	72	20307	50.0	55.3	
42 Naphthalene	128	5.520	5.515	0.005	74	64682	50.0	50.9	
43 4-Chloroaniline	127	5.574	5.569	0.005	47	12448	50.0	53.7	
44 2,6-Dichlorophenol	162	5.574	5.574	0.000	76	16145	50.0	61.2	
45 Hexachlorobutadiene	225	5.622	5.622	0.000	75	11375	50.0	52.2	
46 4-Chloro-3-methylphenol	107	5.980	5.969	0.011	29	3449	50.0	53.3	
47 2-Methylnaphthalene	142	6.081	6.081	0.000	76	43019	50.0	55.0	
48 1-Methylnaphthalene	142	6.156	6.156	0.000	76	41871	50.0	56.3	
49 Hexachlorocyclopentadiene	237	6.209	6.210	-0.001	66	8444	50.0	44.1	
50 1,2,4,5-Tetrachlorobenzene	216	6.215	6.215	0.000	79	18058	50.0	55.5	
52 2,4,6-Trichlorophenol	196	6.316	6.311	0.005	1	4179	50.0	54.3	
53 2,4,5-Trichlorophenol	196	6.359	6.343	0.016	1	2757	50.0	57.4	a
54 1,1'-Biphenyl	154	6.466	6.461	0.005	90	44414	50.0	56.4	
55 2-Chloronaphthalene	162	6.476	6.471	0.005	70	37577	50.0	60.8	
56 2-Nitroaniline	138	6.589	6.568	0.021	1	3222	50.0	77.9	
57 Dimethyl phthalate	163	6.728	6.722	0.006	82	27018	50.0	39.0	
58 1,3-Dinitrobenzene	168	6.760	6.744	0.016	6	491	50.0	122.9	
59 2,6-Dinitrotoluene	165	6.776	6.765	0.011	20	4949	50.0	63.5	
60 Acenaphthylene	152	6.808	6.808	0.000	78	49775	50.0	51.4	
61 3-Nitroaniline	138	6.931	6.904	0.027	3	1451	50.0	82.0	
62 Acenaphthene	153	6.952	6.952	0.000	86	31595	50.0	49.8	
64 4-Nitrophenol	109	7.096	7.048	0.048	7	982	100.0	794.4	
66 Dibenzofuran	168	7.096	7.096	0.000	75	42568	50.0	52.7	
51 2,3,5,6-Tetrachlorophenol	232	7.171	7.166	0.005	1	1916	50.0	54.2	
67 2,3,4,6-Tetrachlorophenol	232	7.214	7.198	0.016	1	3997	50.0	50.0	
68 Diethyl phthalate	149	7.304	7.299	0.005	89	40160	50.0	57.1	
69 Fluorene	166	7.374	7.374	0.000	67	28712	50.0	44.7	
70 4-Chlorophenyl phenyl ether	204	7.390	7.385	0.005	64	15590	50.0	52.7	
71 4-Nitroaniline	138	7.427	7.401	0.026	1	838	50.0	70.5	
72 4,6-Dinitro-2-methylphenol	198	7.427	7.422	0.005	1	1101	100.0	193.1	
73 N-Nitrosodiphenylamine	169	7.486	7.481	0.005	32	17392	50.0	43.4	
74 Azobenzene	77	7.513	7.513	0.000	67	19809	50.0	51.2	
75 4-Bromophenyl phenyl ether	248	7.791	7.786	0.005	16	6901	50.0	50.5	
76 Hexachlorobenzene	284	7.823	7.818	0.005	48	10787	50.0	55.3	
77 Atrazine	200	7.935	7.930	0.005	25	5824	50.0	49.4	
79 n-Octadecane	57	8.084	8.085	-0.001	66	12197	50.0	52.0	
80 Phenanthrene	178	8.159	8.160	0.000	56	47829	50.0	52.7	
81 Anthracene	178	8.202	8.197	0.005	74	42705	50.0	53.9	
83 Carbazole	167	8.352	8.336	0.016	42	37213	50.0	57.9	M
84 Di-n-butyl phthalate	149	8.645	8.646	-0.001	96	67567	50.0	59.0	
85 Fluoranthene	202	9.131	9.132	-0.001	84	43982	50.0	47.5	
88 Benzidine	184	9.281	9.260	0.021	18	4379	100.0	106.8	
89 Pyrene	202	9.313	9.313	0.000	95	48040	50.0	48.4	
94 Butyl benzyl phthalate	149	9.874	9.869	0.005	59	21653	50.0	52.5	
96 3,3'-Dichlorobenzidine	252	10.323	10.318	0.005	1	23496	100.0	112.9	M
97 Benzo[a]anthracene	228	10.328	10.323	0.005	86	31640	50.0	44.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
99 Chrysene	228	10.360	10.360	0.000	80	56009	50.0	51.7	
98 Bis(2-ethylhexyl) phthalate	149	10.392	10.393	0.000	67	30339	50.0	50.1	
100 Di-n-octyl phthalate	149	11.055	11.055	0.000	64	42834	50.0	47.2	
101 Benzo[b]fluoranthene	252	11.423	11.424	-0.001	82	32758	50.0	45.4	
102 Benzofluoranthene	252	11.461	11.456	0.005	1	87056	100.0	103.4	a
103 Benzo[k]fluoranthene	252	11.461	11.456	0.005	57	50225	50.0	54.6	
104 Benzo[a]pyrene	252	11.797	11.792	0.005	46	35331	50.0	55.2	
105 Indeno[1,2,3-cd]pyrene	276	13.170	13.165	0.005	62	33123	50.0	57.0	M
106 Dibenz(a,h)anthracene	278	13.218	13.208	0.010	1	28319	50.0	51.3	
107 Benzo[g,h,i]perylene	276	13.501	13.496	0.005	81	38178	50.0	46.8	

QC Flag Legend

Processing Flags
NC - Not Calibrated
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

8270ccvl_50_00039 Amount Added: 1.00 Units: mL

Report Date: 28-Jan-2022 17:07:08 Chrom Revision: 2.3 18-Jan-2022 20:25:40

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A17_.D

Injection Date: 24-Jan-2022 19:45:30 Instrument ID: TAC051

Lims ID: STD3

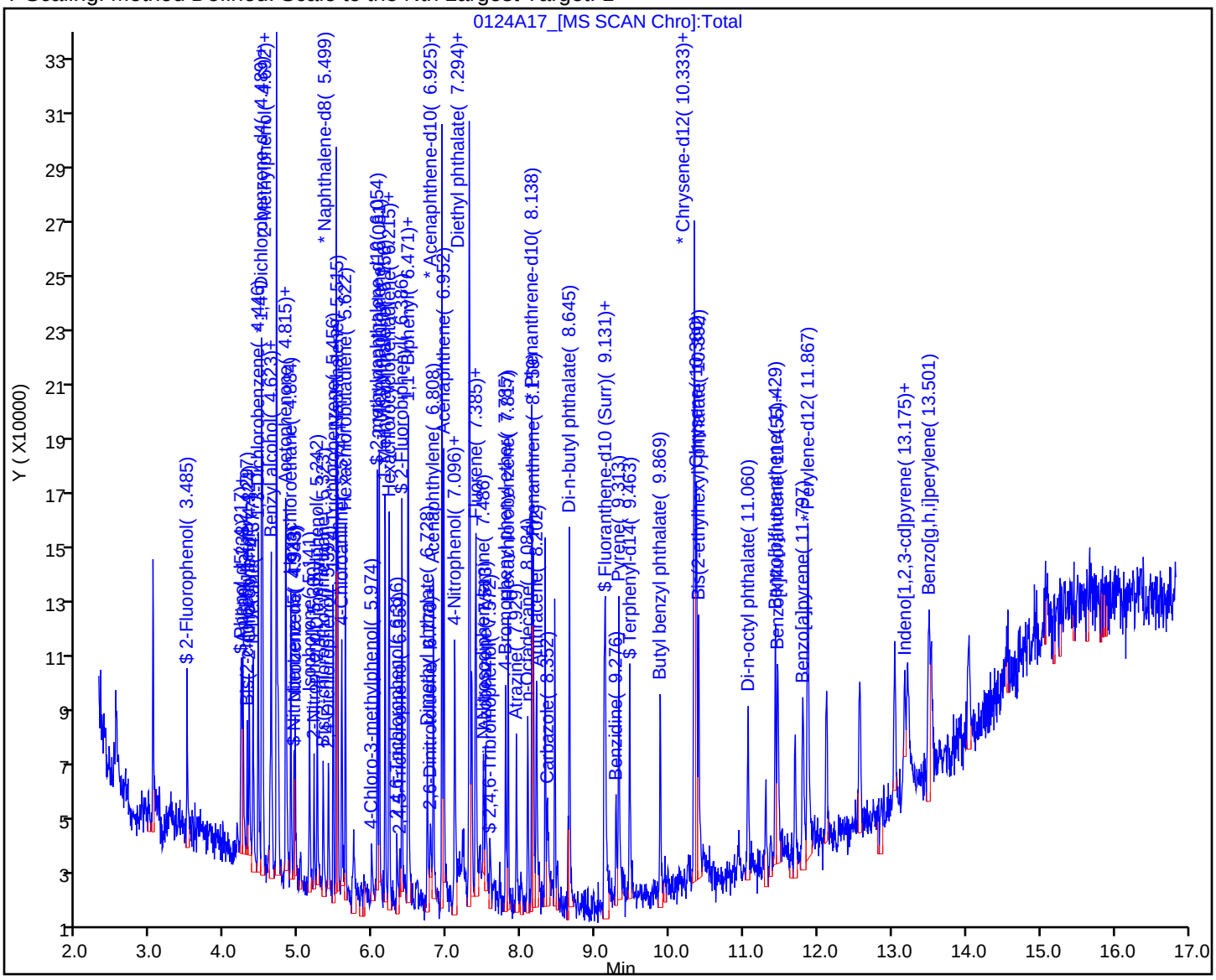
Client ID:

Operator ID: TL ALS Bottle#: 11 Worklist Smp#: 11

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Seattle

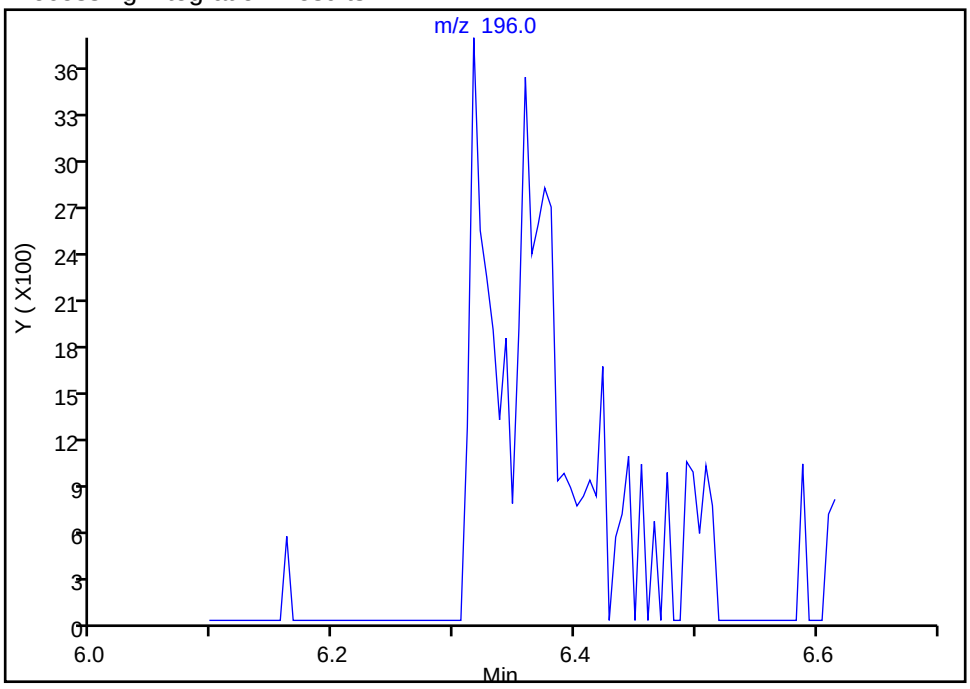
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A17_.D
Injection Date: 24-Jan-2022 19:45:30 Instrument ID: TAC051
Lims ID: STD3
Client ID:
Operator ID: TL ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

53 2,4,5-Trichlorophenol, CAS: 95-95-4

Signal: 1

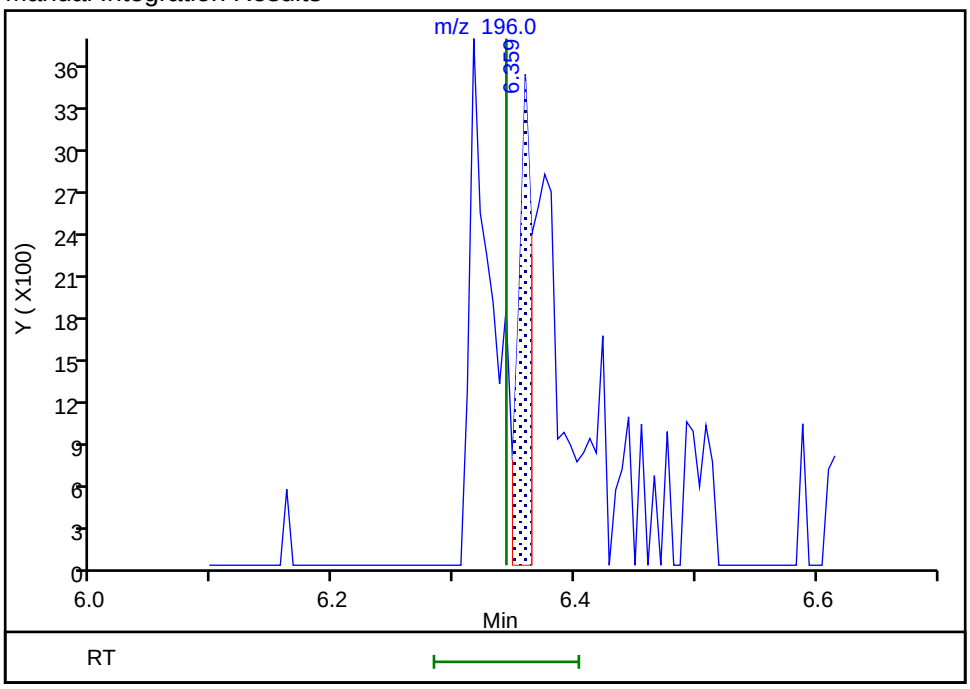
Processing Integration Results

Not Detected
Expected RT: 6.34



Manual Integration Results

RT: 6.36
Area: 2757
Amount: 57.449600
Amount Units: ug/L



Reviewer: limmere, 27-Jan-2022 13:57:13
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Seattle

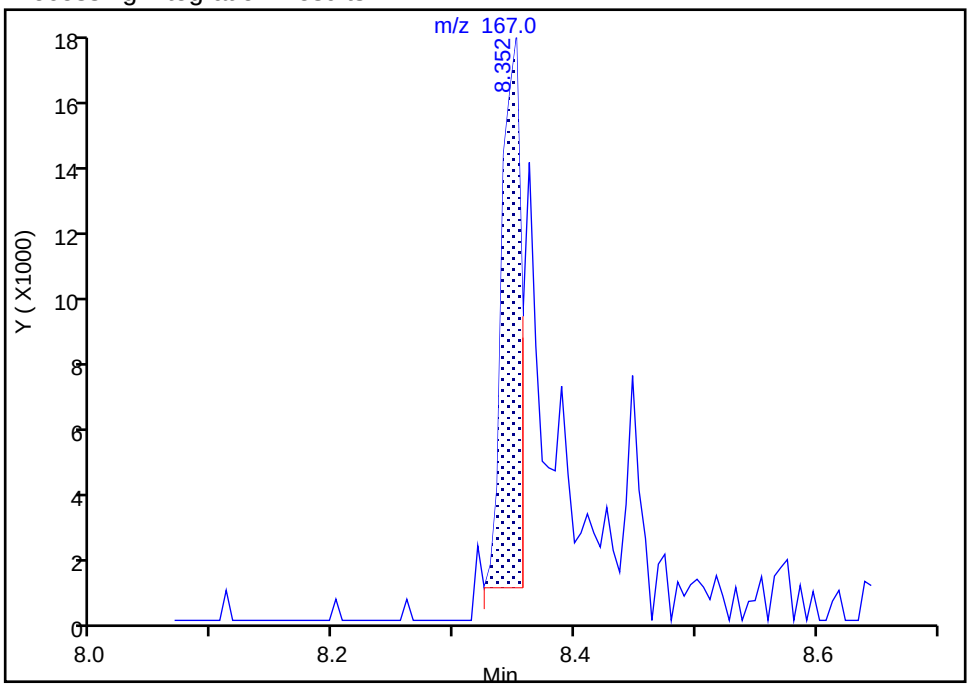
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A17_.D
Injection Date: 24-Jan-2022 19:45:30 Instrument ID: TAC051
Lims ID: STD3
Client ID:
Operator ID: TL ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

83 Carbazole, CAS: 86-74-8

Signal: 1

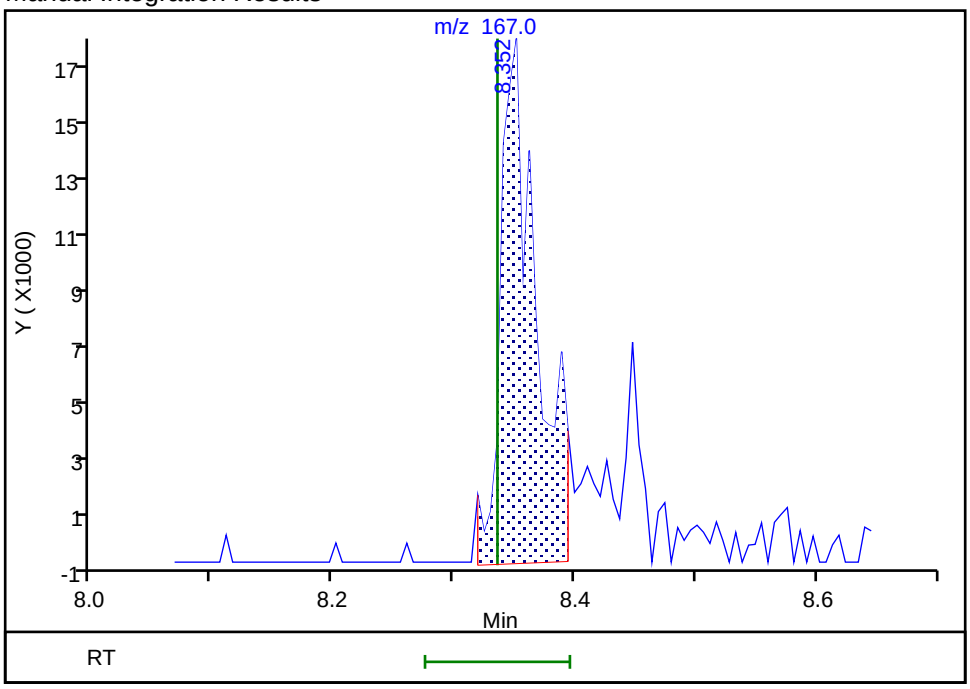
Processing Integration Results

RT: 8.35
Area: 18503
Amount: 37.172932
Amount Units: ug/L



Manual Integration Results

RT: 8.35
Area: 37213
Amount: 57.853512
Amount Units: ug/L



Reviewer: mohammedj, 27-Jan-2022 14:36:18
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Seattle

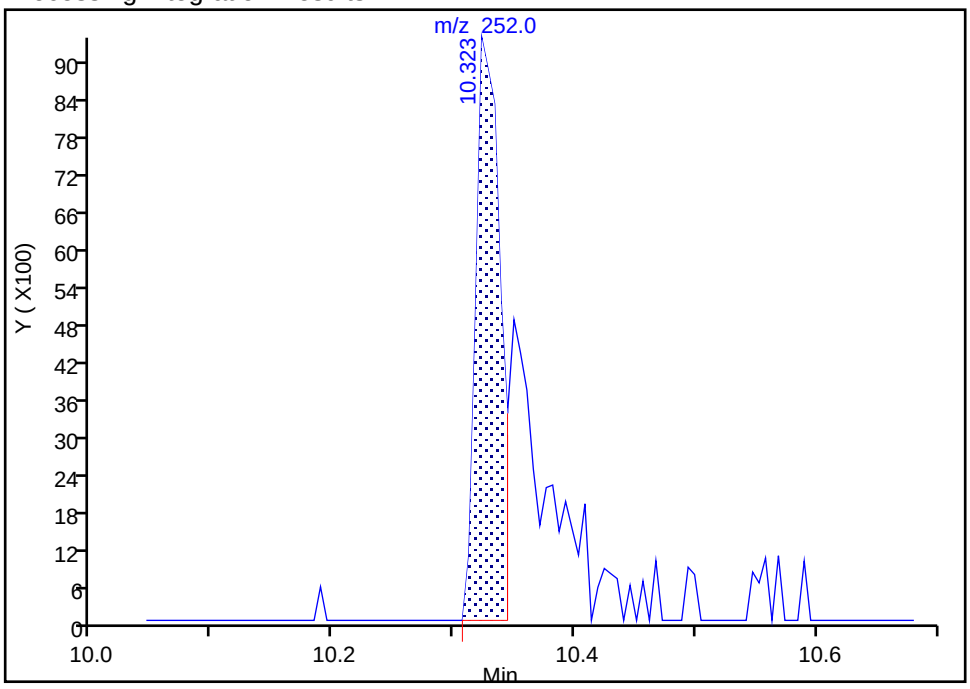
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A17_.D
Injection Date: 24-Jan-2022 19:45:30 Instrument ID: TAC051
Lims ID: STD3
Client ID:
Operator ID: TL ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

96 3,3'-Dichlorobenzidine, CAS: 91-94-1

Signal: 1

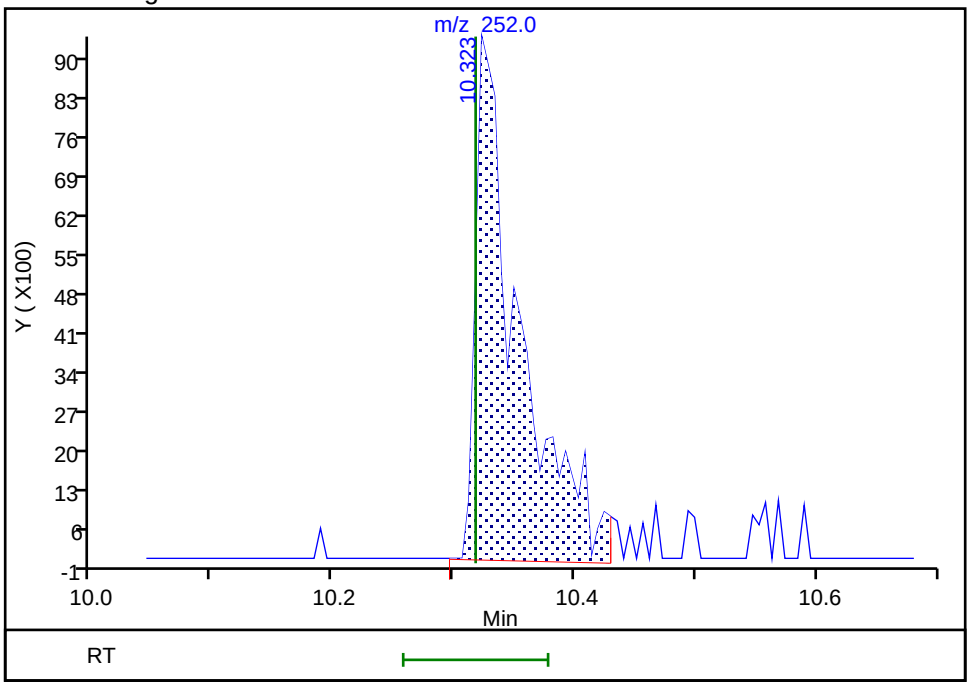
Processing Integration Results

RT: 10.32
Area: 13119
Amount: 83.567970
Amount Units: ug/L



Manual Integration Results

RT: 10.32
Area: 23496
Amount: 112.8834
Amount Units: ug/L



Reviewer: mohammedj, 27-Jan-2022 14:36:03
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Seattle

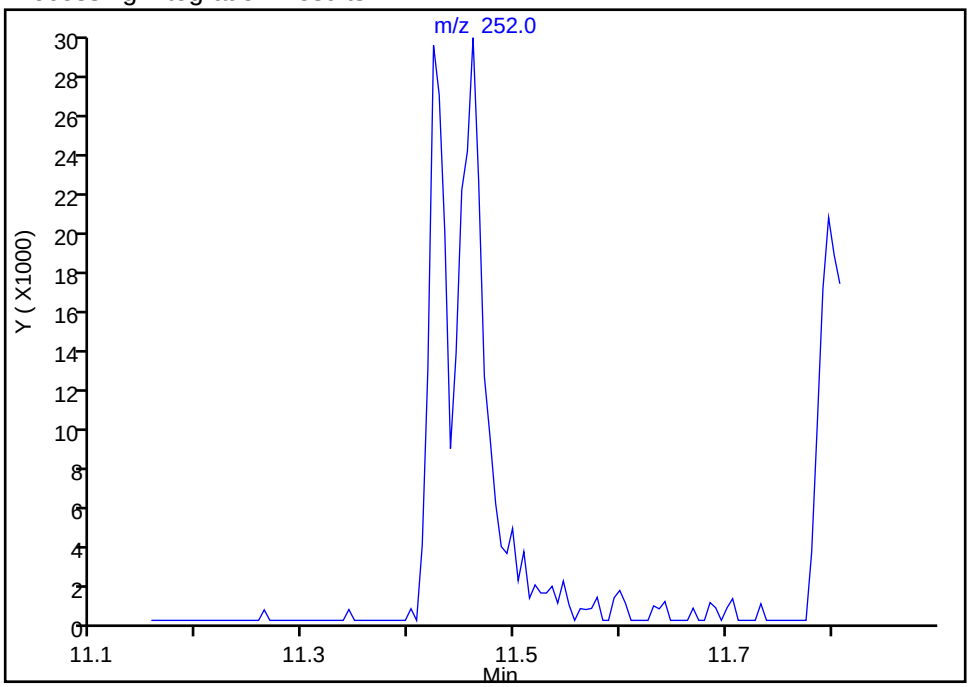
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A17_.D
Injection Date: 24-Jan-2022 19:45:30 Instrument ID: TAC051
Lims ID: STD3
Client ID:
Operator ID: TL ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

102 Benzofluoranthene, CAS: 56832-73-6

Signal: 1

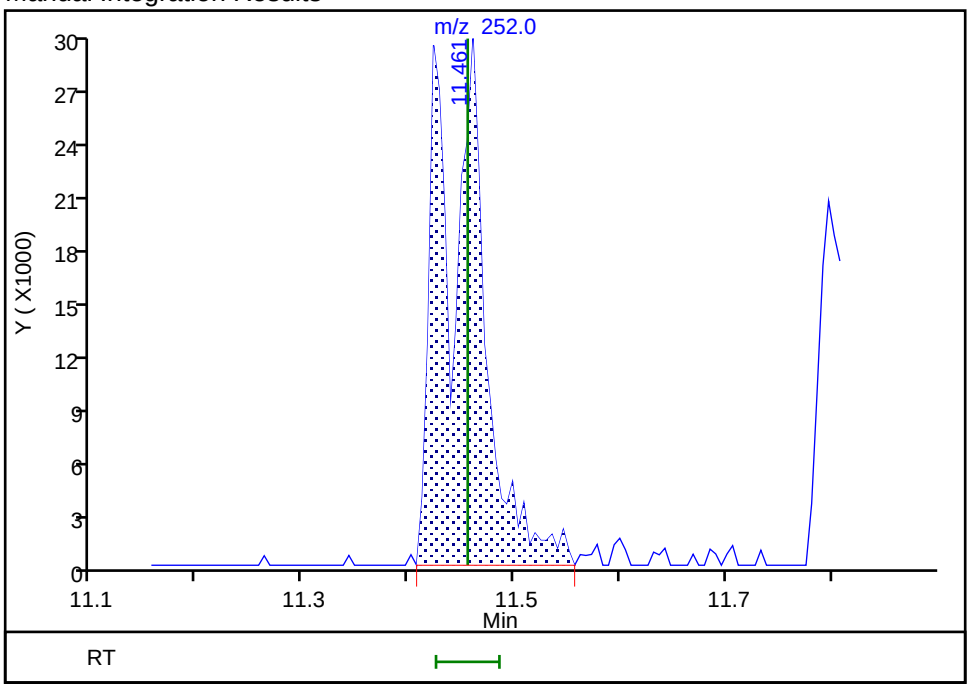
Not Detected
Expected RT: 11.46

Processing Integration Results



Manual Integration Results

RT: 11.46
Area: 87056
Amount: 103.4318
Amount Units: ug/L



Reviewer: limmere, 27-Jan-2022 13:57:25
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Seattle

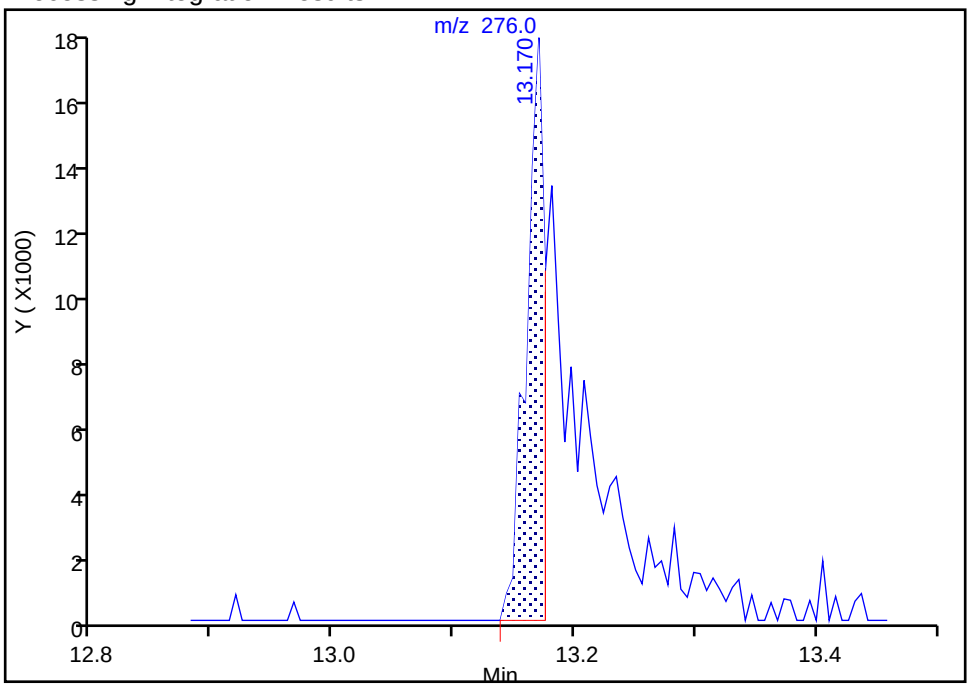
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A17_.D
Injection Date: 24-Jan-2022 19:45:30 Instrument ID: TAC051
Lims ID: STD3
Client ID:
Operator ID: TL ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

105 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

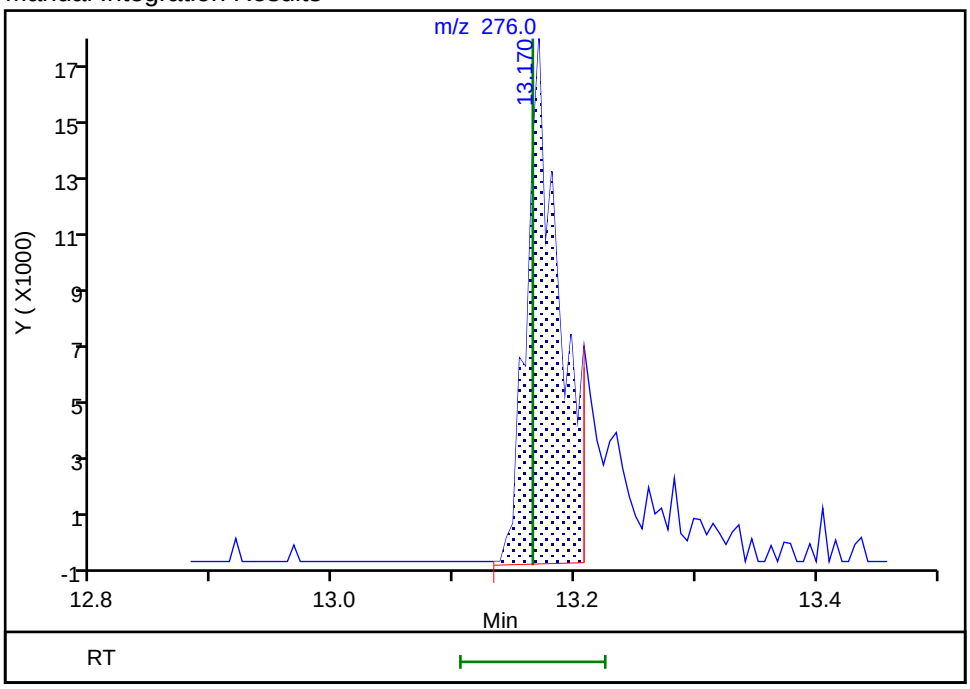
Processing Integration Results

RT: 13.17
Area: 17997
Amount: 40.334029
Amount Units: ug/L



Manual Integration Results

RT: 13.17
Area: 33123
Amount: 56.958718
Amount Units: ug/L



Reviewer: mohammedj, 27-Jan-2022 14:35:40
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A18_.D
Lims ID: STD2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 24-Jan-2022 20:08:30 ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 2
Operator ID: TL Instrument ID: TAC051
Sublist: chrom-8270 TAC051*sub34

Method: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 28-Jan-2022 17:07:11 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: limmere Date: 25-Jan-2022 15:09:51

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.489	4.489	0.000	89	31569	100.0	100.0	
* 2 Naphthalene-d8	136	5.499	5.499	0.000	96	109558	100.0	100.0	
* 3 Acenaphthene-d10	164	6.931	6.925	0.006	80	50575	100.0	100.0	
* 4 Phenanthrene-d10	188	8.143	8.138	0.005	88	65799	100.0	100.0	
* 5 Chrysene-d12	240	10.339	10.334	0.005	87	53079	100.0	100.0	
* 6 Perylene-d12	264	11.867	11.862	0.005	80	55387	100.0	100.0	
$ 7 2-Fluorophenol	112	3.485	3.485	0.000	23	4372	20.0	19.6	a
$ 8 Phenol-d5	99	4.211	4.212	-0.001	66	3933	20.0	10.6	
$ 9 Nitrobenzene-d5	82	4.933	4.928	0.005	58	6320	20.0	24.2	
$ 10 2-methylnaphthalene-d10	152	6.054	6.055	-0.001	0	12437	NC	NC	
$ 11 2-Fluorobiphenyl	172	6.386	6.386	0.000	50	12385	20.0	18.4	
$ 13 Fluoranthene-d10 (Surr)	212	9.121	9.116	0.005	0	12432	NC	NC	
16 N-Nitrosodimethylamine	74	2.507	2.475	0.032	52	1186	20.0	33.1	
19 Phenol	94	4.217	4.222	-0.005	2	5644	20.0	17.8	
18 Aniline	93	4.243	4.238	0.005	1	6798	20.0	22.9	
20 Bis(2-chloroethyl)ether	93	4.297	4.297	0.000	59	6005	20.0	22.0	
21 2-Chlorophenol	128	4.324	4.324	0.000	45	7588	20.0	19.9	
22 n-Decane	57	4.377	4.377	0.000	58	5471	20.0	21.9	
23 1,3-Dichlorobenzene	146	4.446	4.447	-0.001	67	7071	20.0	15.5	
25 1,4-Dichlorobenzene	146	4.505	4.505	0.000	60	10925	20.0	22.1	
26 Benzyl alcohol	79	4.607	4.607	0.000	8	2674	20.0	21.1	
27 1,2-Dichlorobenzene	146	4.623	4.623	0.000	53	10046	20.0	21.7	
28 2-Methylphenol	108	4.698	4.692	0.006	26	4743	20.0	17.9	
29 2,2'-oxybis[1-chloropropane]	45	4.714	4.719	-0.005	49	6254	20.0	20.4	a
30 Acetophenone	105	4.815	4.810	0.005	71	5800	20.0	14.5	
31 N-Nitrosodi-n-propylamine	70	4.820	4.815	0.005	45	2780	20.0	17.7	
32 3 & 4 Methylphenol	108	4.826	4.821	0.005	44	4085	20.0	20.9	
33 Hexachloroethane	117	4.884	4.885	-0.001	55	3510	20.0	19.6	
34 Nitrobenzene	77	4.943	4.944	-0.001	32	2911	20.0	19.6	
35 Isophorone	82	5.141	5.136	0.005	64	8330	20.0	17.9	
36 2-Nitrophenol	139	5.200	5.200	0.000	3	2689	20.0	21.4	a

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
37 2,4-Dimethylphenol	107	5.242	5.243	-0.001	49	3867	20.0	16.9	
38 Bis(2-chloroethoxy)methane	93	5.323	5.323	0.000	64	4852	20.0	16.6	a
40 2,4-Dichlorophenol	162	5.397	5.392	0.005	1	1576	20.0	22.0	
41 1,2,4-Trichlorobenzene	180	5.456	5.456	0.000	50	7388	20.0	22.1	
42 Naphthalene	128	5.515	5.515	0.000	46	25785	20.0	21.3	
43 4-Chloroaniline	127	5.574	5.569	0.005	32	4821	20.0	37.1	
44 2,6-Dichlorophenol	162	5.574	5.574	0.000	31	4566	20.0	21.6	
45 Hexachlorobutadiene	225	5.622	5.622	0.000	32	4635	20.0	23.3	
47 2-Methylnaphthalene	142	6.081	6.081	0.000	34	16577	20.0	23.2	
48 1-Methylnaphthalene	142	6.161	6.156	0.005	53	15130	20.0	22.3	
50 1,2,4,5-Tetrachlorobenzene	216	6.215	6.215	0.000	36	7413	20.0	20.1	
54 1,1'-Biphenyl	154	6.466	6.461	0.005	61	14875	20.0	20.3	
55 2-Chloronaphthalene	162	6.476	6.471	0.005	60	12526	20.0	21.7	
60 Acenaphthylene	152	6.813	6.808	0.005	63	16248	20.0	16.6	
62 Acenaphthene	153	6.952	6.952	0.000	58	13633	20.0	23.0	
66 Dibenzofuran	168	7.101	7.096	0.005	39	12109	20.0	16.1	
68 Diethyl phthalate	149	7.310	7.299	0.011	40	11668	20.0	17.8	
69 Fluorene	166	7.379	7.374	0.005	45	9642	20.0	16.1	
70 4-Chlorophenyl phenyl ether	204	7.390	7.385	0.005	26	4536	20.0	16.5	
73 N-Nitrosodiphenylamine	169	7.491	7.481	0.010	1	5128	20.0	14.7	
74 Azobenzene	77	7.518	7.513	0.005	37	6057	20.0	20.4	
75 4-Bromophenyl phenyl ether	248	7.785	7.786	-0.001	1	1411	20.0	19.5	
79 n-Octadecane	57	8.095	8.085	0.010	10	4675	20.0	23.8	
80 Phenanthrene	178	8.159	8.160	0.000	40	15103	20.0	17.8	
81 Anthracene	178	8.202	8.197	0.005	26	9538	20.0	19.4	a
83 Carbazole	167	8.368	8.336	0.032	1	7728	20.0	17.1	
84 Di-n-butyl phthalate	149	8.651	8.646	0.005	60	23632	20.0	22.5	
85 Fluoranthene	202	9.131	9.132	-0.001	58	15483	20.0	19.5	
89 Pyrene	202	9.318	9.313	0.005	76	15300	20.0	16.7	
94 Butyl benzyl phthalate	149	9.874	9.869	0.005	5	6796	20.0	25.3	
96 3,3'-Dichlorobenzidine	252	10.328	10.318	0.010	1	2536	40.0	38.1	
97 Benzo[a]anthracene	228	10.333	10.323	0.010	9	11529	20.0	23.9	a
99 Chrysene	228	10.366	10.360	0.006	41	22332	20.0	19.6	
98 Bis(2-ethylhexyl) phthalate	149	10.398	10.393	0.006	45	10145	20.0	20.5	a
101 Benzo[b]fluoranthene	252	11.434	11.424	0.010	57	11195	20.0	20.5	
102 Benzofluoranthene	252	11.434	11.456	-0.022	1	30007	40.0	44.1	a
103 Benzo[k]fluoranthene	252	11.461	11.456	0.005	19	15142	20.0	20.4	a
104 Benzo[a]pyrene	252	11.803	11.792	0.011	27	9067	20.0	20.8	
105 Indeno[1,2,3-cd]pyrene	276	13.186	13.165	0.021	54	6230	20.0	20.7	
106 Dibenz(a,h)anthracene	278	13.218	13.208	0.010	1	4172	20.0	20.8	
107 Benzo[g,h,i]perylene	276	13.501	13.496	0.005	55	13798	20.0	23.0	Ma

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8270SIM_IS_00069	Amount Added: 6.00	Units: uL
8270ccvl_50_00039	Amount Added: 400.00	Units: uL

Report Date: 28-Jan-2022 17:07:12 Chrom Revision: 2.3 18-Jan-2022 20:25:40

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A18_.D

Injection Date: 24-Jan-2022 20:08:30 Instrument ID: TAC051

Lims ID: STD2

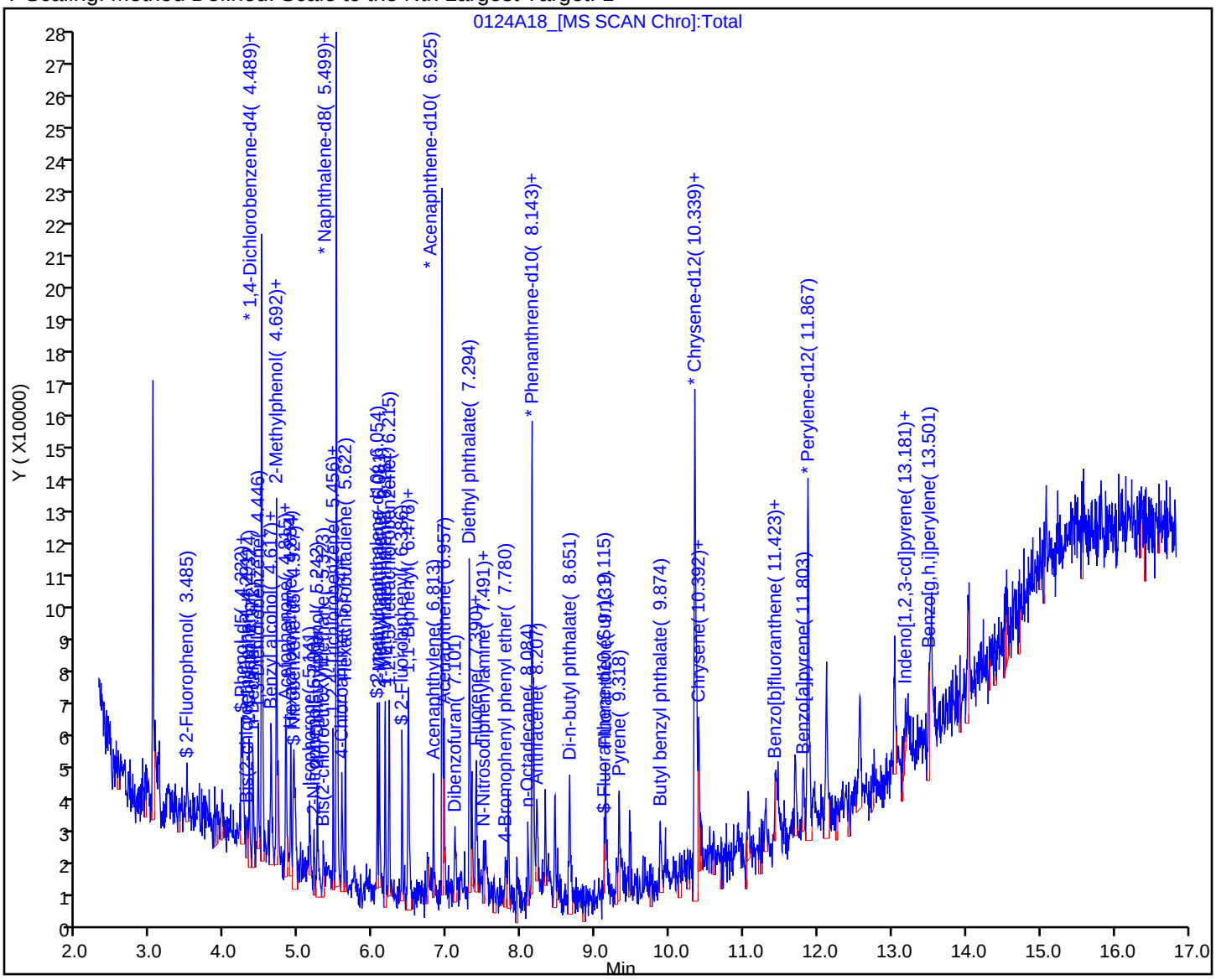
Client ID:

Operator ID: TL ALS Bottle#: 12 Worklist Smp#: 12

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Seattle

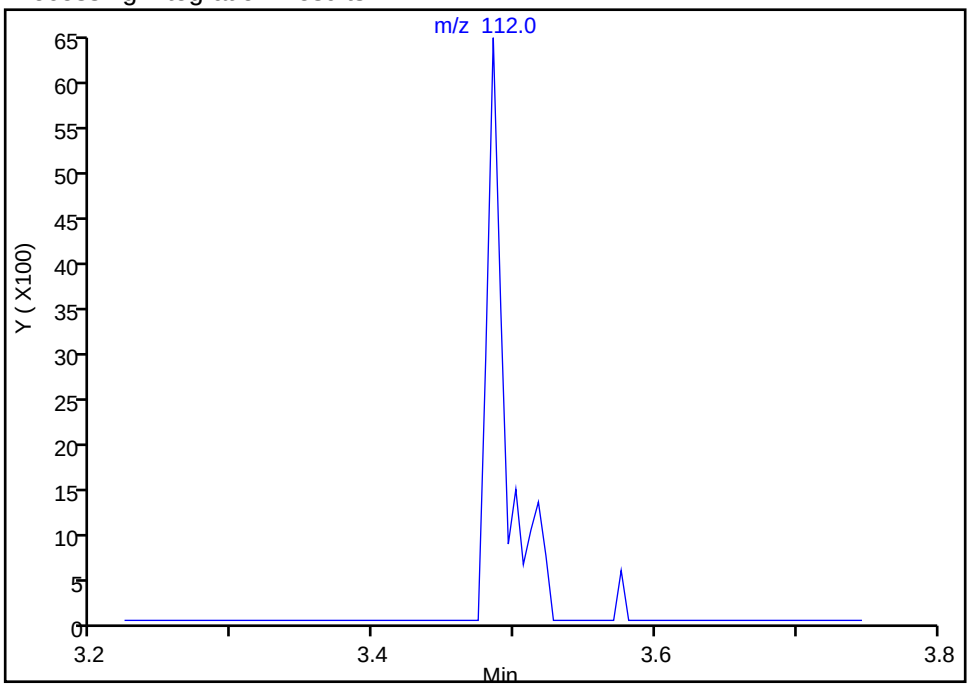
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A18_.D
Injection Date: 24-Jan-2022 20:08:30 Instrument ID: TAC051
Lims ID: STD2
Client ID:
Operator ID: TL ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

$ 7 2-Fluorophenol, CAS: 367-12-4

Signal: 1

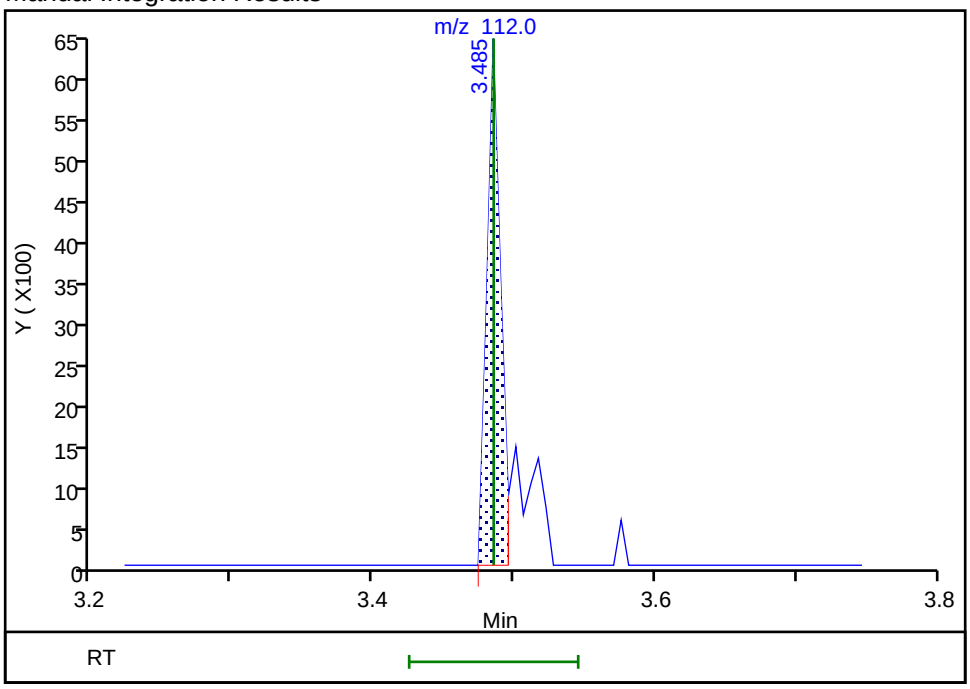
Not Detected
Expected RT: 3.49

Processing Integration Results



Manual Integration Results

RT: 3.48
Area: 4372
Amount: 19.589470
Amount Units: ug/L



Reviewer: limmere, 27-Jan-2022 13:57:44
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Seattle

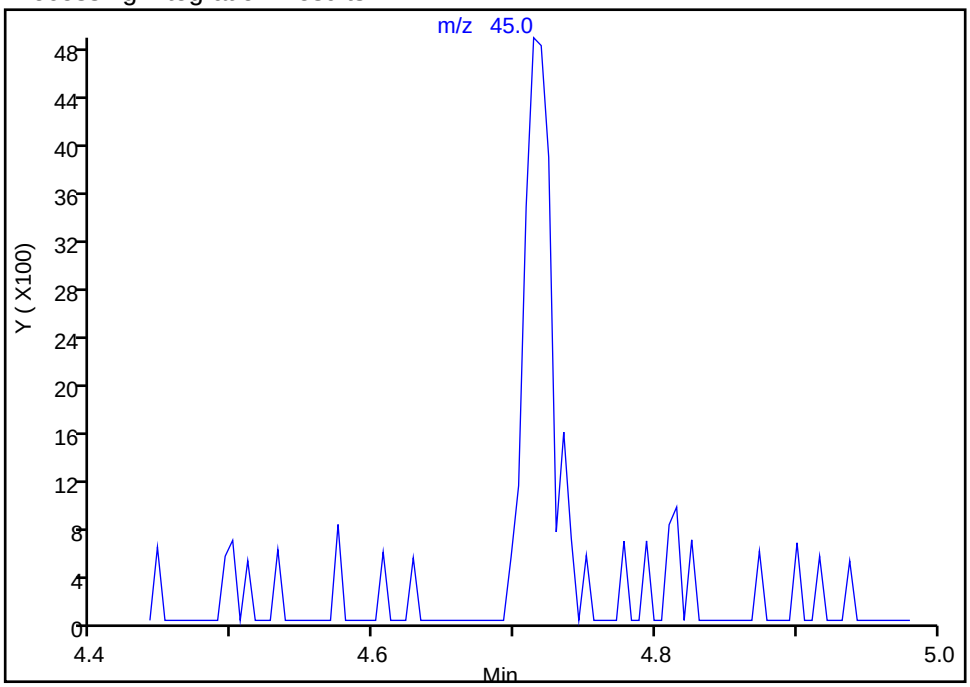
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A18_.D
Injection Date: 24-Jan-2022 20:08:30 Instrument ID: TAC051
Lims ID: STD2
Client ID:
Operator ID: TL ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

29 2,2'-oxybis[1-chloropropane], CAS: 108-60-1

Signal: 1

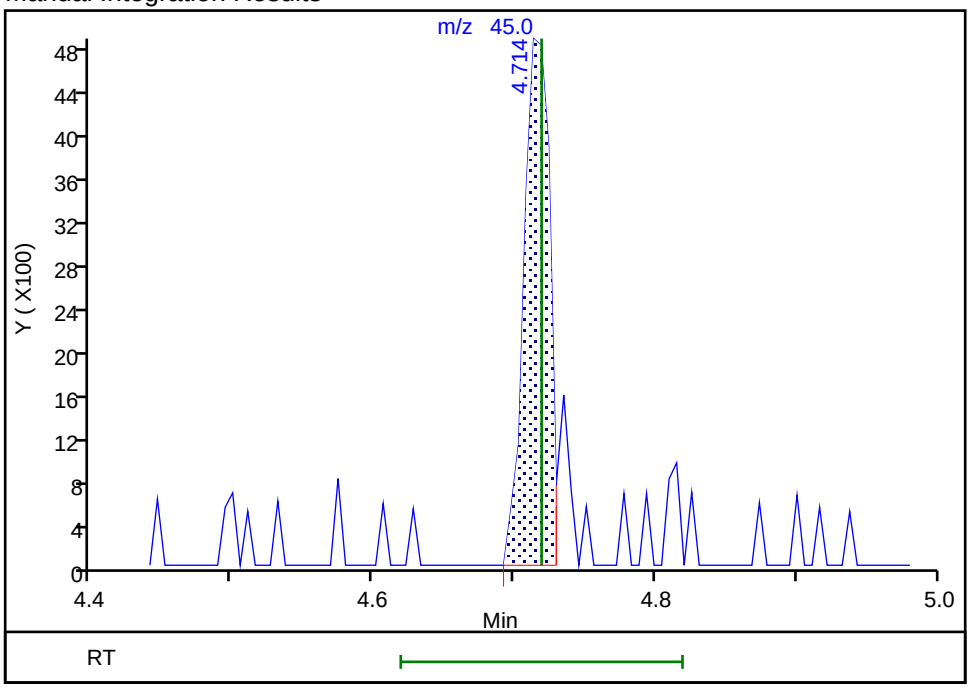
Processing Integration Results

Not Detected
Expected RT: 4.72



Manual Integration Results

RT: 4.71
Area: 6254
Amount: 20.415665
Amount Units: ug/L



Reviewer: limmere, 27-Jan-2022 13:58:02
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Seattle

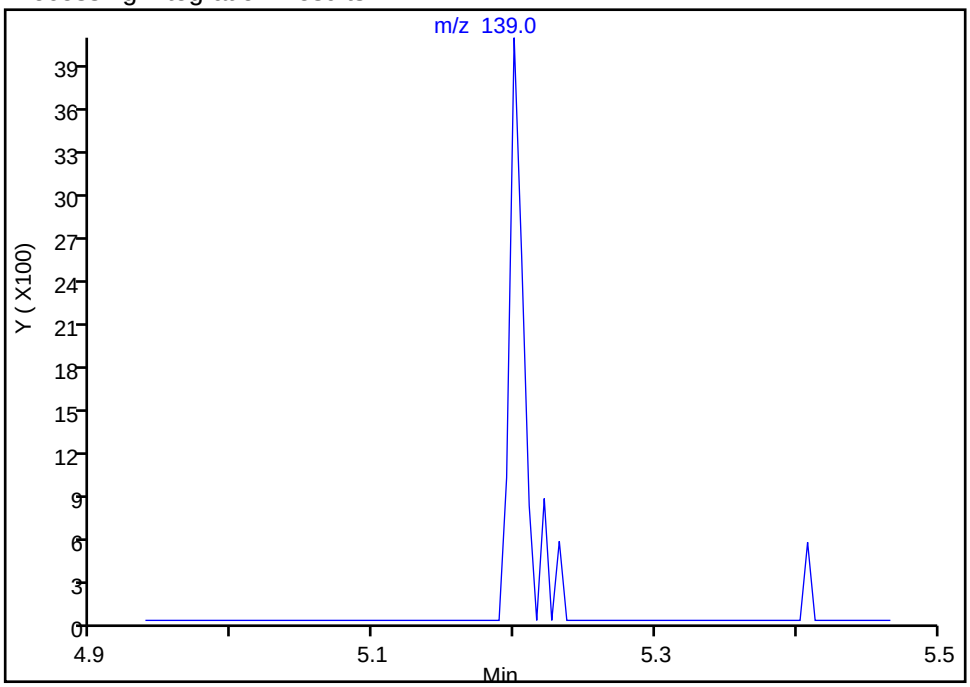
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A18_.D
Injection Date: 24-Jan-2022 20:08:30 Instrument ID: TAC051
Lims ID: STD2
Client ID:
Operator ID: TL ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

36 2-Nitrophenol, CAS: 88-75-5

Signal: 1

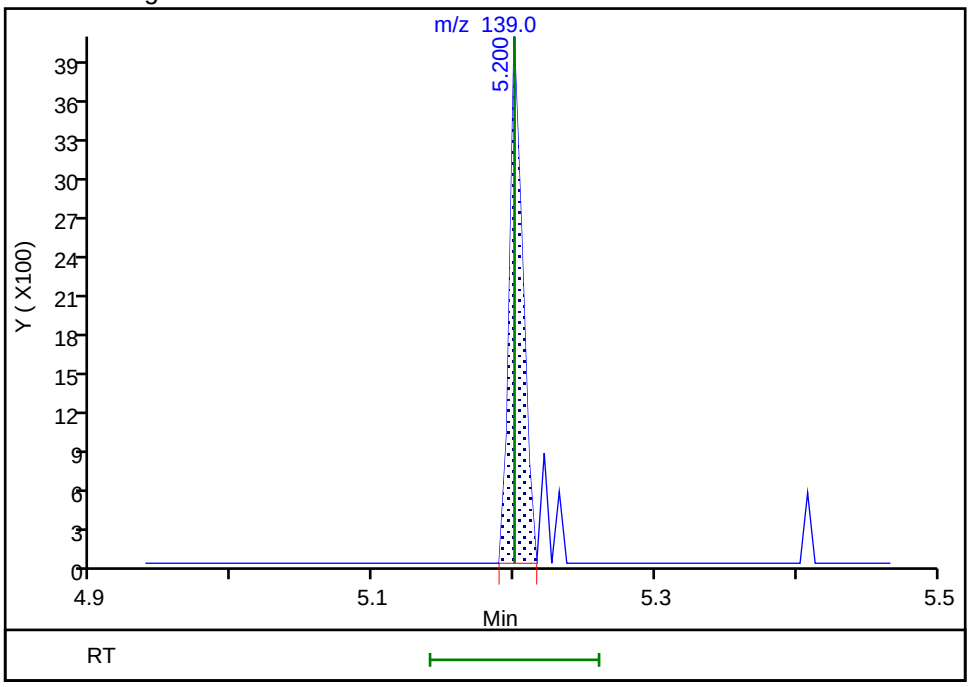
Not Detected
Expected RT: 5.20

Processing Integration Results



Manual Integration Results

RT: 5.20
Area: 2689
Amount: 21.366336
Amount Units: ug/L



Reviewer: limmere, 27-Jan-2022 13:58:26
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Seattle

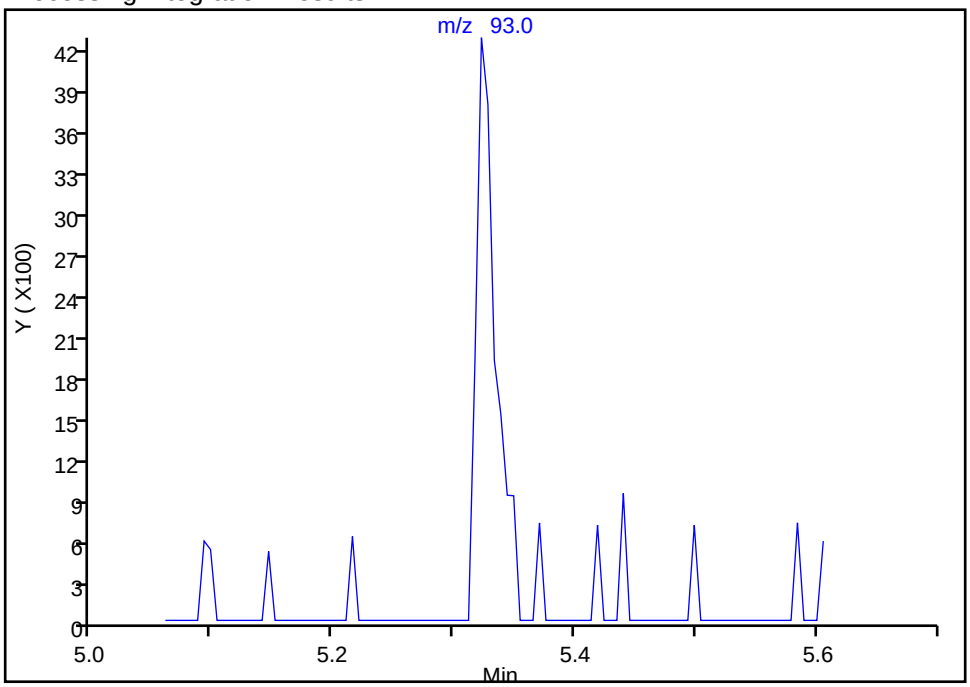
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A18_.D
Injection Date: 24-Jan-2022 20:08:30 Instrument ID: TAC051
Lims ID: STD2
Client ID:
Operator ID: TL ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

38 Bis(2-chloroethoxy)methane, CAS: 111-91-1

Signal: 1

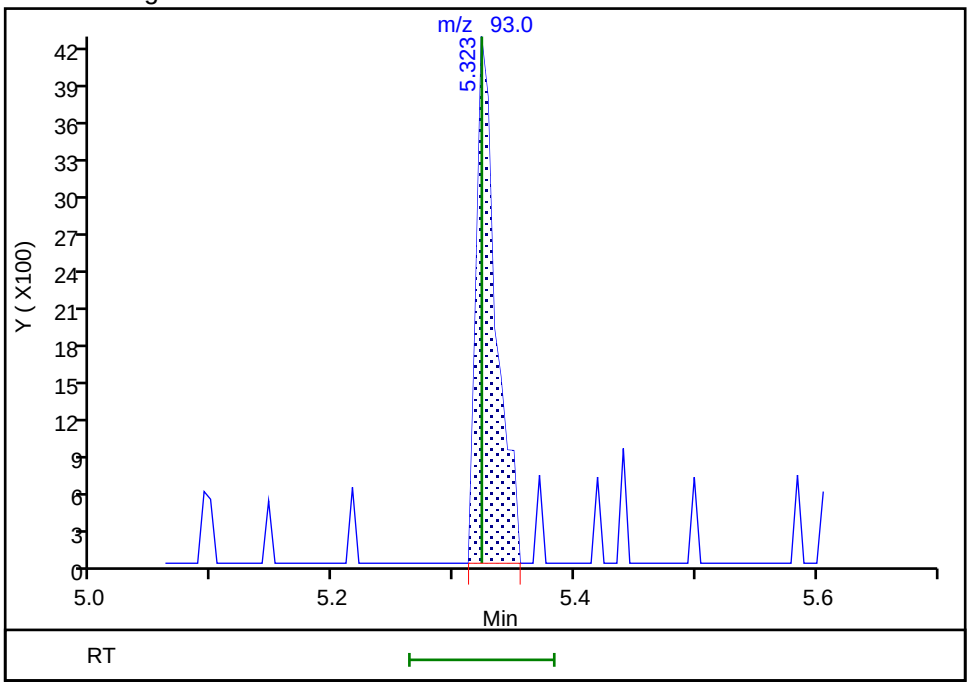
Not Detected
Expected RT: 5.32

Processing Integration Results



Manual Integration Results

RT: 5.32
Area: 4852
Amount: 16.646377
Amount Units: ug/L



Reviewer: mohammedj, 27-Jan-2022 15:08:16
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Seattle

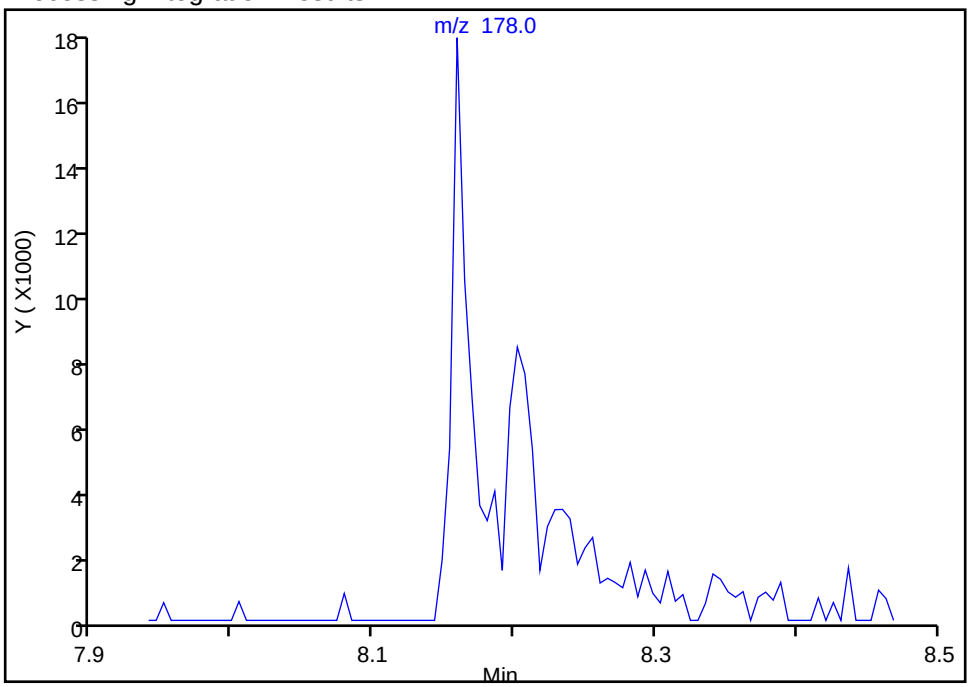
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A18_.D
Injection Date: 24-Jan-2022 20:08:30 Instrument ID: TAC051
Lims ID: STD2
Client ID:
Operator ID: TL ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

81 Anthracene, CAS: 120-12-7

Signal: 1

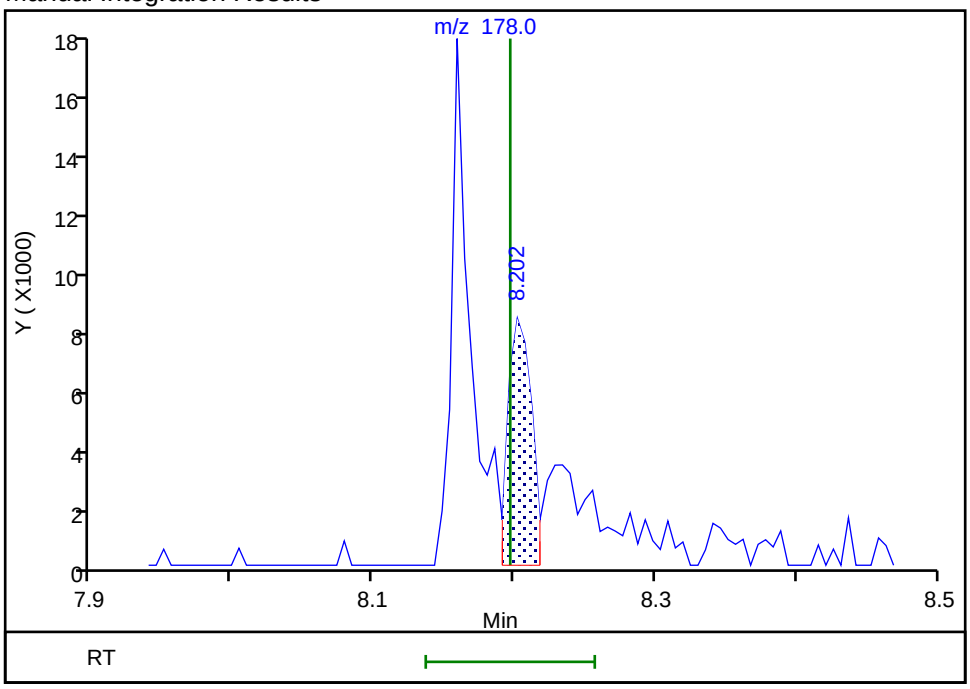
Not Detected
Expected RT: 8.20

Processing Integration Results



Manual Integration Results

RT: 8.20
Area: 9538
Amount: 19.376864
Amount Units: ug/L



Reviewer: mohammedj, 27-Jan-2022 14:34:24
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Seattle

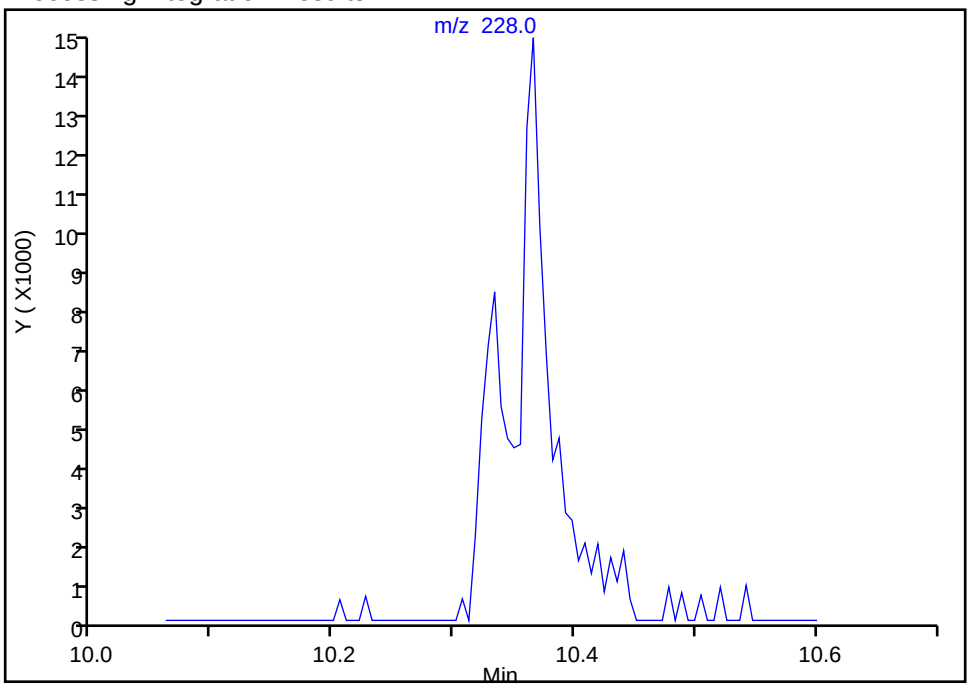
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A18_.D
Injection Date: 24-Jan-2022 20:08:30 Instrument ID: TAC051
Lims ID: STD2
Client ID:
Operator ID: TL ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

97 Benzo[a]anthracene, CAS: 56-55-3

Signal: 1

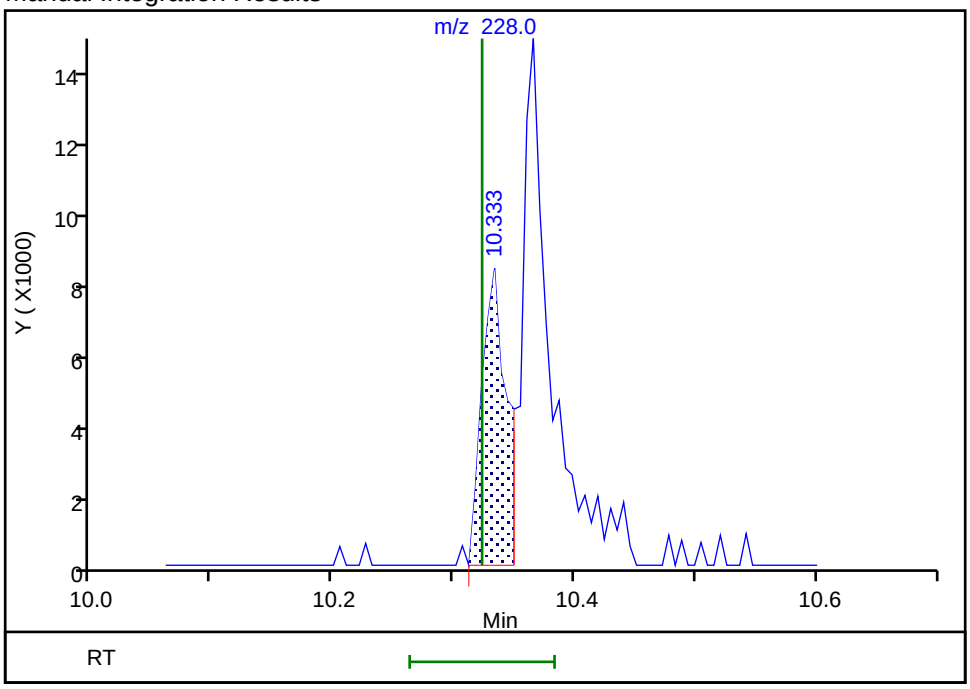
Not Detected
Expected RT: 10.32

Processing Integration Results



Manual Integration Results

RT: 10.33
Area: 11529
Amount: 23.907867
Amount Units: ug/L



Reviewer: mohammedj, 27-Jan-2022 14:34:36
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Seattle

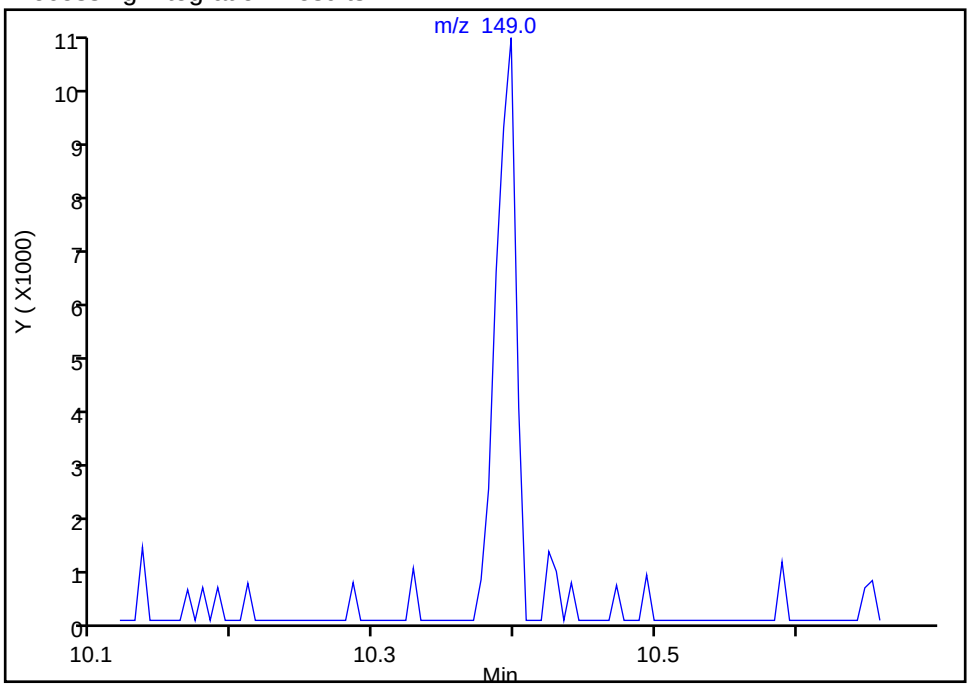
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A18_.D
Injection Date: 24-Jan-2022 20:08:30 Instrument ID: TAC051
Lims ID: STD2
Client ID:
Operator ID: TL ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

98 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7

Signal: 1

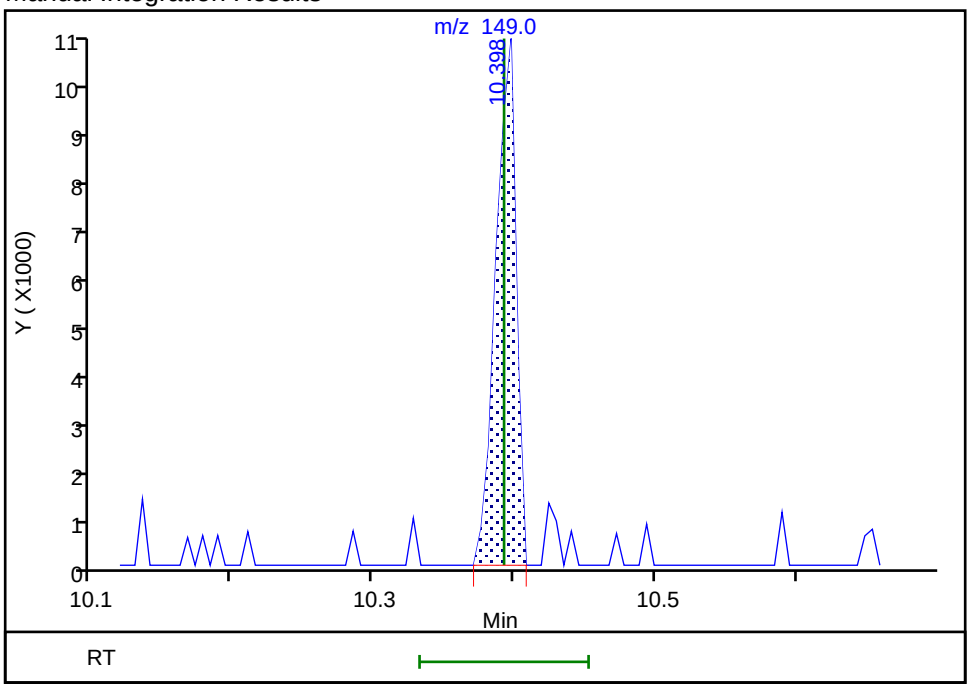
Not Detected
Expected RT: 10.39

Processing Integration Results



Manual Integration Results

RT: 10.40
Area: 10145
Amount: 20.547476
Amount Units: ug/L



Reviewer: mohammedj, 27-Jan-2022 14:34:43
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Seattle

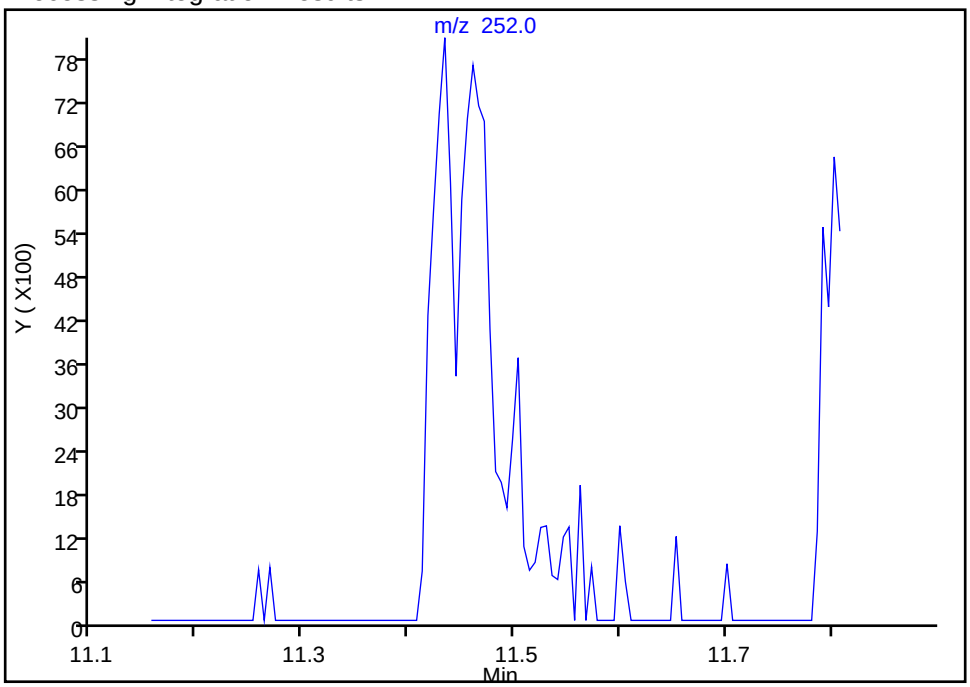
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A18_.D
Injection Date: 24-Jan-2022 20:08:30 Instrument ID: TAC051
Lims ID: STD2
Client ID:
Operator ID: TL ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

102 Benzofluoranthene, CAS: 56832-73-6

Signal: 1

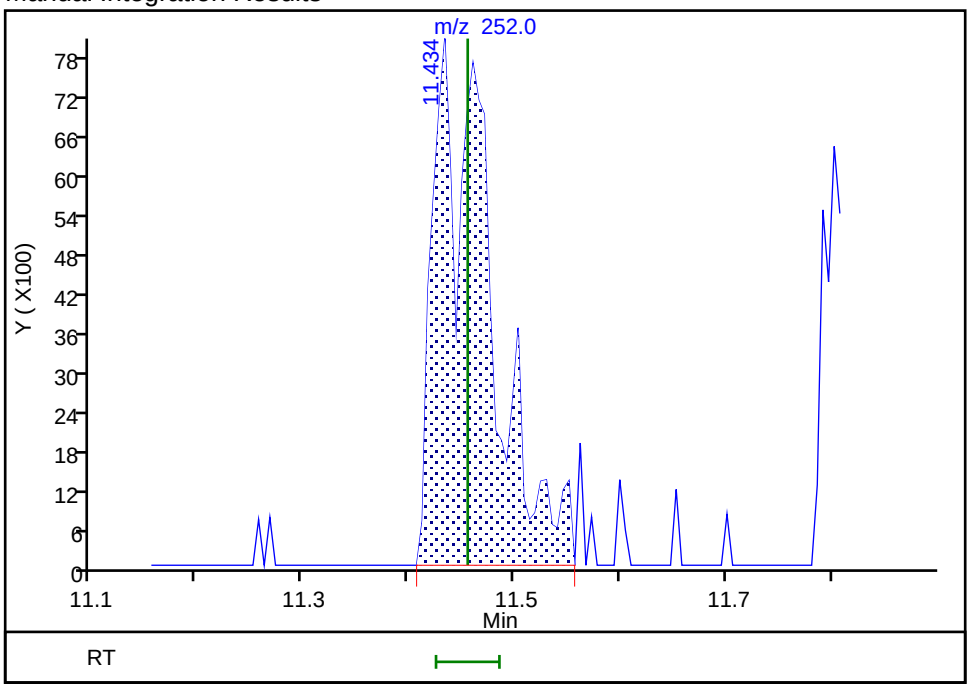
Not Detected
Expected RT: 11.46

Processing Integration Results



Manual Integration Results

RT: 11.43
Area: 30007
Amount: 44.086950
Amount Units: ug/L



Reviewer: mohammedj, 27-Jan-2022 14:34:55
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Seattle

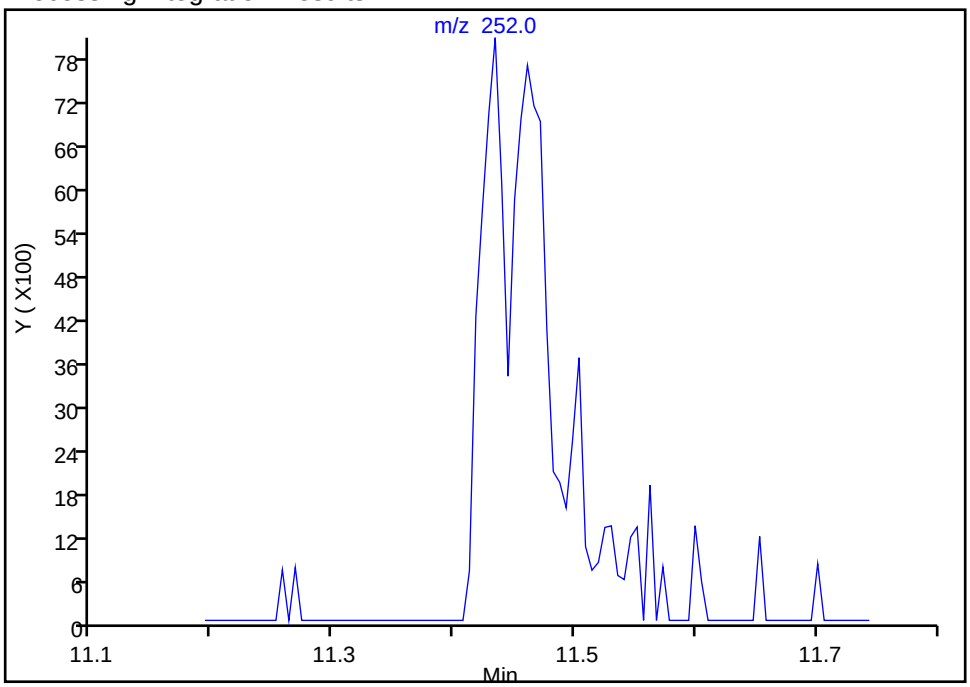
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A18_.D
Injection Date: 24-Jan-2022 20:08:30 Instrument ID: TAC051
Lims ID: STD2
Client ID:
Operator ID: TL ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

103 Benzo[k]fluoranthene, CAS: 207-08-9

Signal: 1

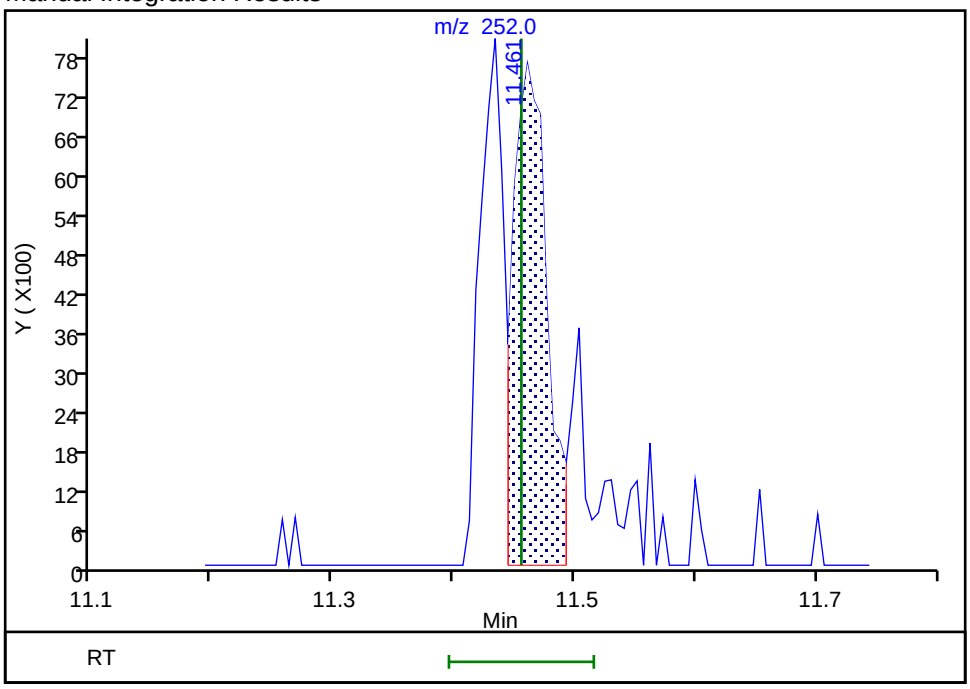
Not Detected
Expected RT: 11.46

Processing Integration Results



Manual Integration Results

RT: 11.46
Area: 15142
Amount: 20.364581
Amount Units: ug/L



Reviewer: mohammedj, 27-Jan-2022 14:34:52
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Seattle

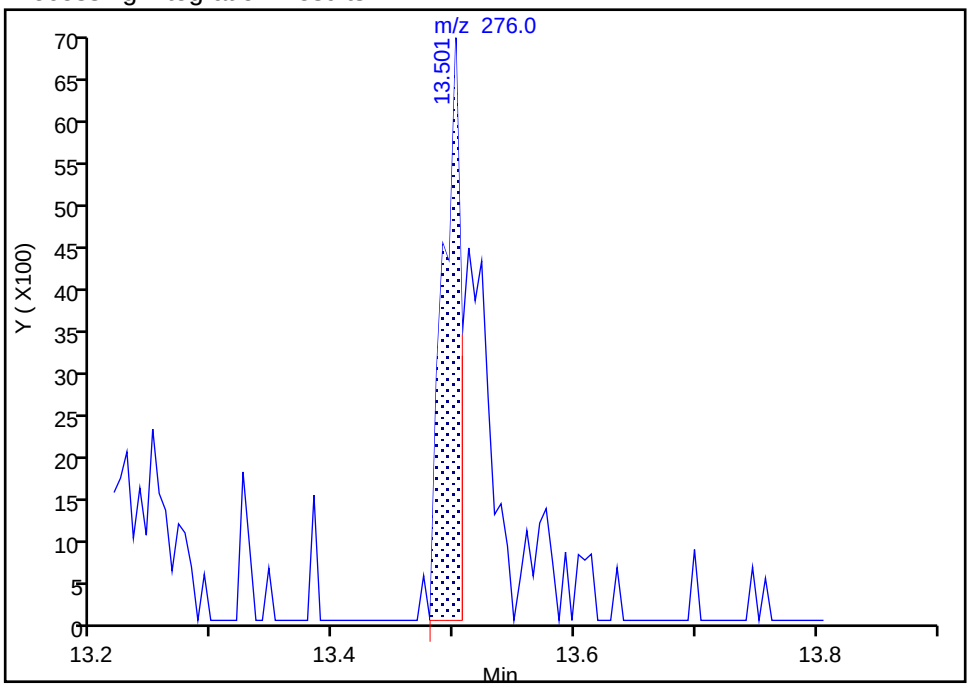
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A18_.D
Injection Date: 24-Jan-2022 20:08:30 Instrument ID: TAC051
Lims ID: STD2
Client ID:
Operator ID: TL ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

107 Benzo[g,h,i]perylene, CAS: 191-24-2

Signal: 1

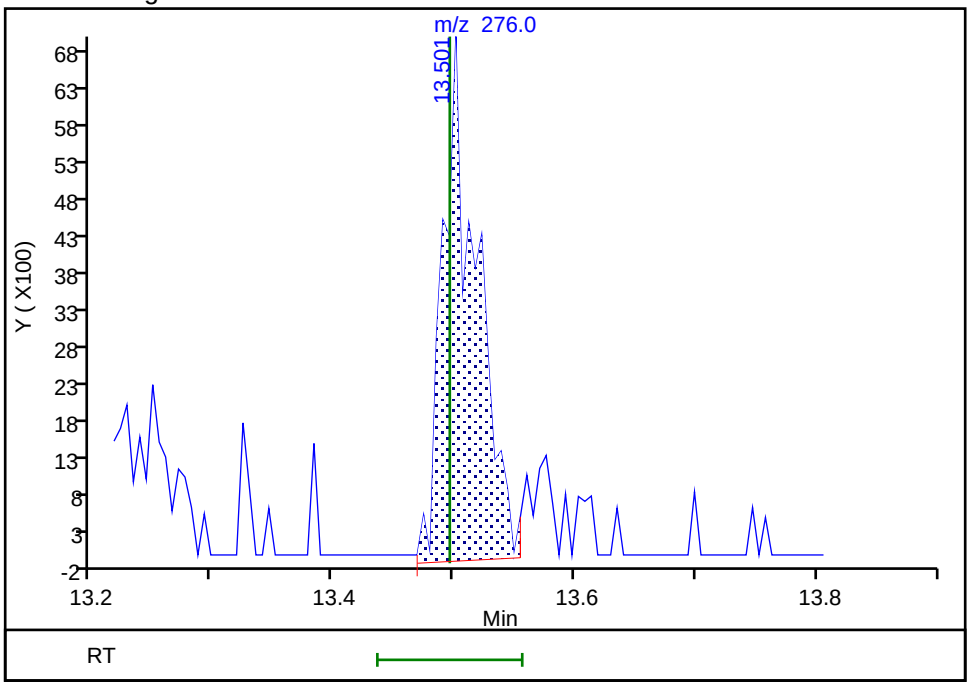
Processing Integration Results

RT: 13.50
Area: 7055
Amount: 16.152259
Amount Units: ug/L



Manual Integration Results

RT: 13.50
Area: 13798
Amount: 22.978969
Amount Units: ug/L



Reviewer: mohammedj, 27-Jan-2022 14:35:19
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D
Lims ID: STD1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 24-Jan-2022 20:31:30 ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 1
Operator ID: TL Instrument ID: TAC051
Sublist: chrom-8270 TAC051*sub34

Method: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 28-Jan-2022 17:07:15 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: limmere Date: 26-Jan-2022 13:59:35

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.490	4.489	0.001	85	28063	100.0	100.0	
* 2 Naphthalene-d8	136	5.500	5.499	0.001	95	102392	100.0	100.0	
* 3 Acenaphthene-d10	164	6.926	6.925	0.001	84	41597	100.0	100.0	
* 4 Phenanthrene-d10	188	8.144	8.138	0.006	76	50974	100.0	100.0	
* 5 Chrysene-d12	240	10.340	10.334	0.006	76	41671	100.0	100.0	
* 6 Perylene-d12	264	11.868	11.862	0.006	80	53713	100.0	100.0	
$ 8 Phenol-d5	99	4.218	4.212	0.006	13	2646	10.0	7.61	
$ 9 Nitrobenzene-d5	82	4.934	4.928	0.006	27	1979	10.0	8.12	
$ 10 2-methylnaphthalene-d10	152	6.056	6.055	0.001	0	6906	NC	NC	
$ 11 2-Fluorobiphenyl	172	6.392	6.386	0.006	6	6419	10.0	11.6	
$ 13 Fluoranthene-d10 (Surr)	212	9.117	9.116	0.001	0	6513	NC	NC	
19 Phenol	94	4.223	4.222	0.001	1	2386	10.0	8.47	
18 Aniline	93	4.239	4.238	0.001	1	1362	10.0	9.65	
21 2-Chlorophenol	128	4.325	4.324	0.001	23	3140	10.0	9.24	
22 n-Decane	57	4.373	4.377	-0.004	18	2806	10.0	12.7	
23 1,3-Dichlorobenzene	146	4.448	4.447	0.001	30	4574	10.0	11.3	
25 1,4-Dichlorobenzene	146	4.506	4.505	0.001	43	5549	10.0	12.6	
27 1,2-Dichlorobenzene	146	4.619	4.623	-0.004	33	4632	10.0	11.3	
28 2-Methylphenol	108	4.699	4.692	0.007	16	2004	10.0	8.51	
30 Acetophenone	105	4.811	4.810	0.001	27	4164	10.0	11.7	
31 N-Nitrosodi-n-propylamine	70	4.822	4.815	0.007	4	1197	10.0	8.56	
32 3 & 4 Methylphenol	108	4.822	4.821	0.001	10	1350	10.0	11.6	
35 Isophorone	82	5.142	5.136	0.006	53	4301	10.0	10.4	
37 2,4-Dimethylphenol	107	5.249	5.243	0.006	2	1700	10.0	10.7	
38 Bis(2-chloroethoxy)methane	93	5.324	5.323	0.001	45	2800	10.0	10.8	
40 2,4-Dichlorophenol	162	5.398	5.392	0.006	1	1005	10.0	20.3	
41 1,2,4-Trichlorobenzene	180	5.463	5.456	0.007	1	3183	10.0	10.2	
42 Naphthalene	128	5.516	5.515	0.001	35	11849	10.0	9.66	
43 4-Chloroaniline	127	5.580	5.569	0.011	1	1191	10.0	28.1	
44 2,6-Dichlorophenol	162	5.580	5.574	0.006	1	776	10.0	7.97	
45 Hexachlorobutadiene	225	5.623	5.622	0.001	6	2375	10.0	12.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
47 2-Methylnaphthalene	142	6.082	6.081	0.001	25	7132	10.0	10.7	
48 1-Methylnaphthalene	142	6.162	6.156	0.006	29	6222	10.0	9.82	
50 1,2,4,5-Tetrachlorobenzene	216	6.216	6.215	0.001	1	1741	10.0	0.1954	
54 1,1'-Biphenyl	154	6.467	6.461	0.006	23	6895	10.0	11.4	
55 2-Chloronaphthalene	162	6.483	6.471	0.012	1	4352	10.0	9.18	
60 Acenaphthylene	152	6.814	6.808	0.006	38	9229	10.0	10.8	
62 Acenaphthene	153	6.953	6.952	0.001	41	5365	10.0	11.0	
70 4-Chlorophenyl phenyl ether	204	7.391	7.385	0.006	1	1057	10.0	4.66	
74 Azobenzene	77	7.519	7.513	0.006	1	1688	10.0	9.80	
75 4-Bromophenyl phenyl ether	248	7.802	7.786	0.016	1	1207	10.0	20.5	
79 n-Octadecane	57	8.080	8.085	-0.005	5	1032	10.0	7.95	
80 Phenanthrene	178	8.160	8.160	0.001	1	7355	10.0	10.4	
81 Anthracene	178	8.208	8.197	0.011	1	1967	10.0	10.7	
85 Fluoranthene	202	9.143	9.132	0.011	14	7321	10.0	12.1	
89 Pyrene	202	9.320	9.313	0.007	66	9646	10.0	13.3	
99 Chrysene	228	10.361	10.360	0.001	16	5585	10.0	-1.76	
101 Benzo[b]fluoranthene	252	11.424	11.424	0.000	22	2829	10.0	7.06	
102 Benzofluoranthene	252	11.456	11.456	0.000	1	15165	20.0	23.0	
103 Benzo[k]fluoranthene	252	11.456	11.456	0.000	1	8752	10.0	12.1	
104 Benzo[a]pyrene	252	11.798	11.792	0.006	16	2640	10.0	9.62	
106 Dibenz(a,h)anthracene	278	13.209	13.208	0.001	1	1159	10.0	15.9	
107 Benzo[g,h,i]perylene	276	13.508	13.496	0.012	15	5131	10.0	11.1	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

8270SIM_IS_00069	Amount Added: 8.00	Units: uL
8270ccvl_50_00039	Amount Added: 200.00	Units: uL

Report Date: 28-Jan-2022 17:07:16 Chrom Revision: 2.3 18-Jan-2022 20:25:40

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Injection Date: 24-Jan-2022 20:31:30 Instrument ID: TAC051

Lims ID: STD1

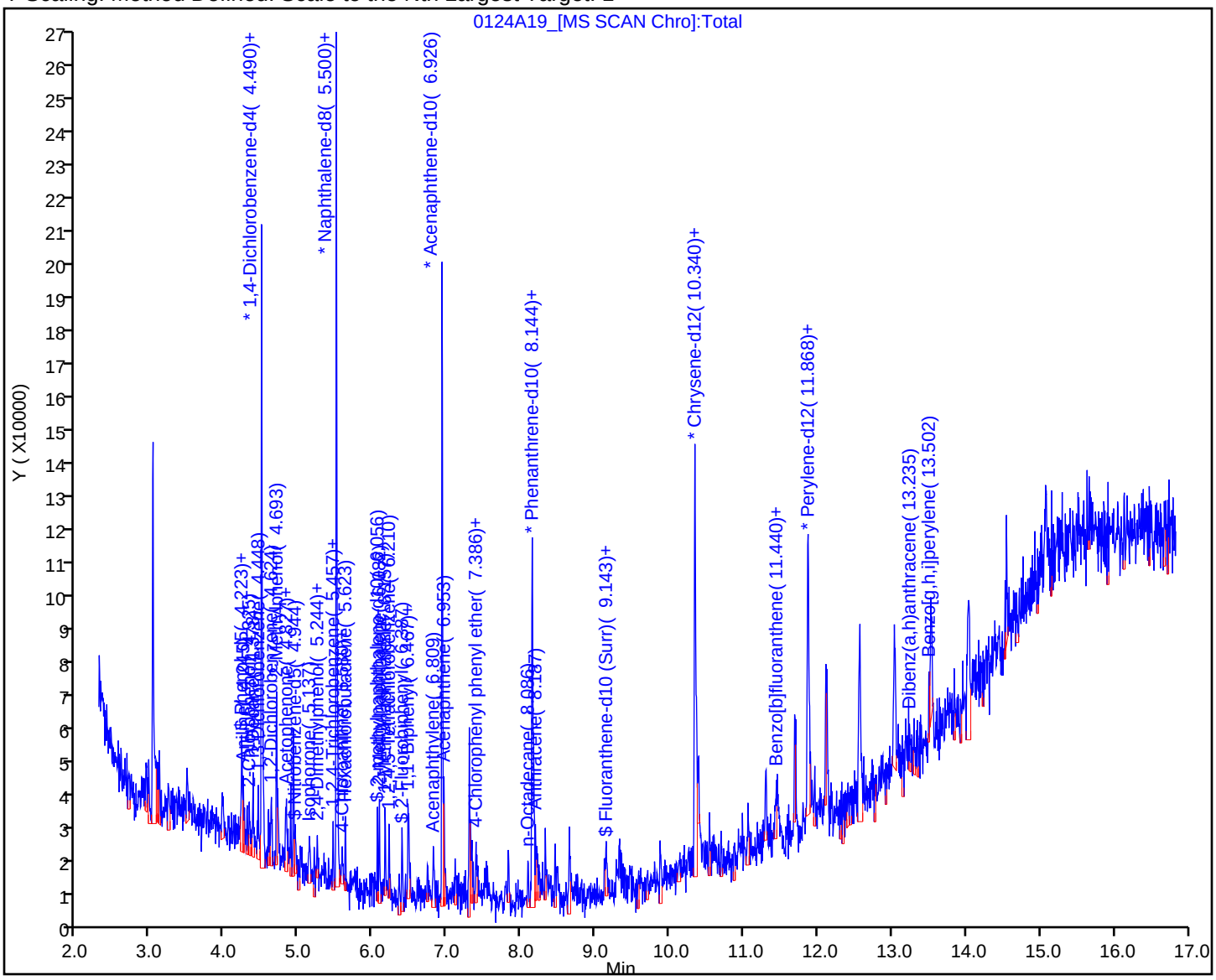
Client ID:

Operator ID: TL ALS Bottle#: 13 Worklist Smp#: 13

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

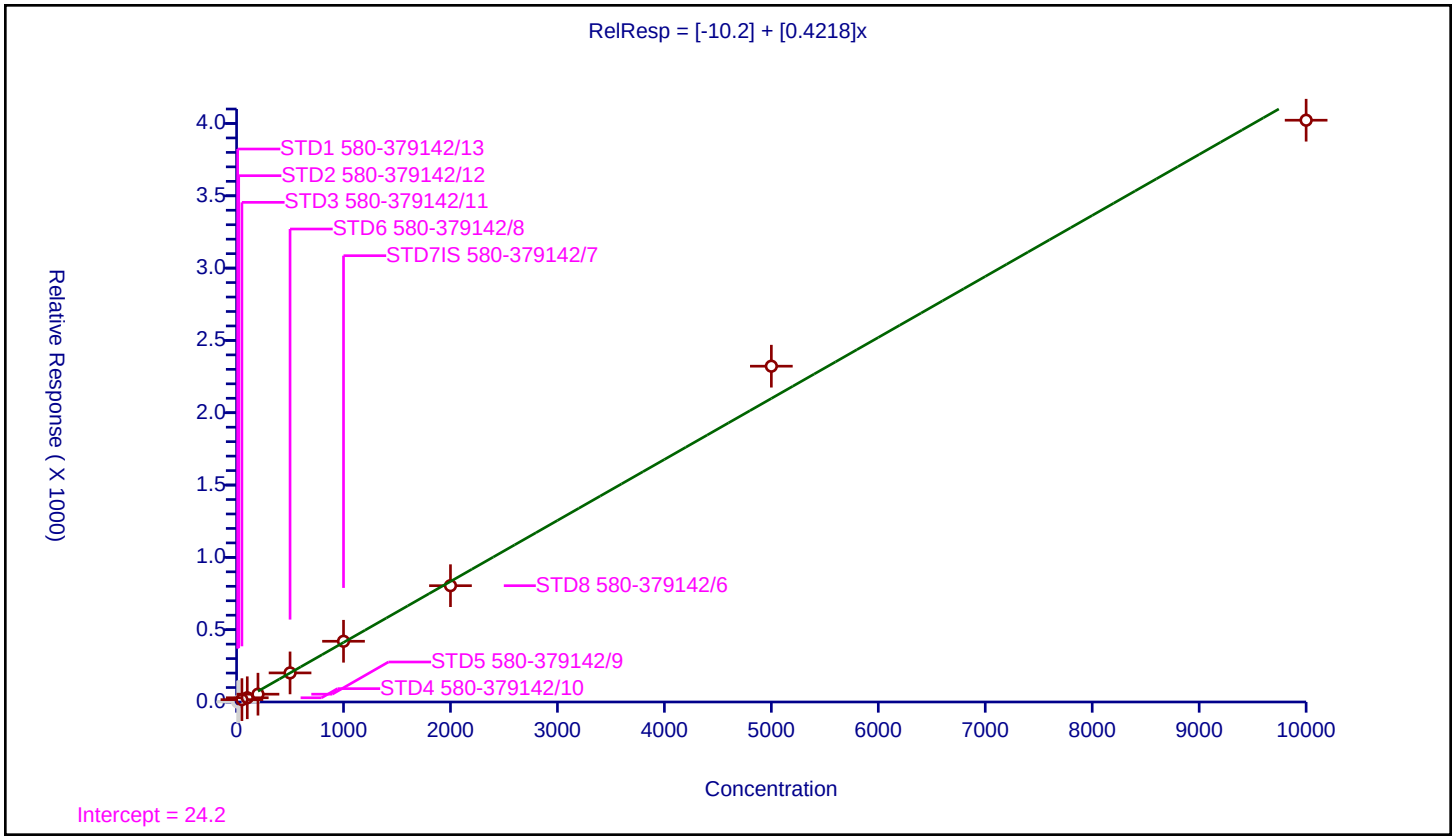
Curve Coefficients

Intercept:	-10.2
Slope:	0.4218

Error Coefficients

Standard Error:	671000
Relative Standard Error:	15.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	0.0	100.0	28063.0	0.0	N
2	STD2 580-379142/12	20.0	3.75685	100.0	31569.0	0.187843	N
3	STD3 580-379142/11	50.0	16.31277	100.0	33814.0	0.326255	Y
4	STD4 580-379142/10	100.0	29.190256	100.0	34443.0	0.291903	Y
5	STD5 580-379142/9	200.0	53.962481	100.0	32997.0	0.269812	Y
6	STD6 580-379142/8	500.0	201.043473	100.0	32296.0	0.402087	Y
7	STD7IS 580-379142/7	1000.0	419.850473	100.0	32770.0	0.41985	Y
8	STD8 580-379142/6	2000.0	804.234022	100.0	33467.0	0.402117	Y
9	STD9 580-379142/5	5000.0	2321.778069	100.0	32046.0	0.464356	Y
10	STD10 580-379142/4	10000.0	4022.611055	100.0	35748.0	0.402261	Y



Calibration / Pyridine

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

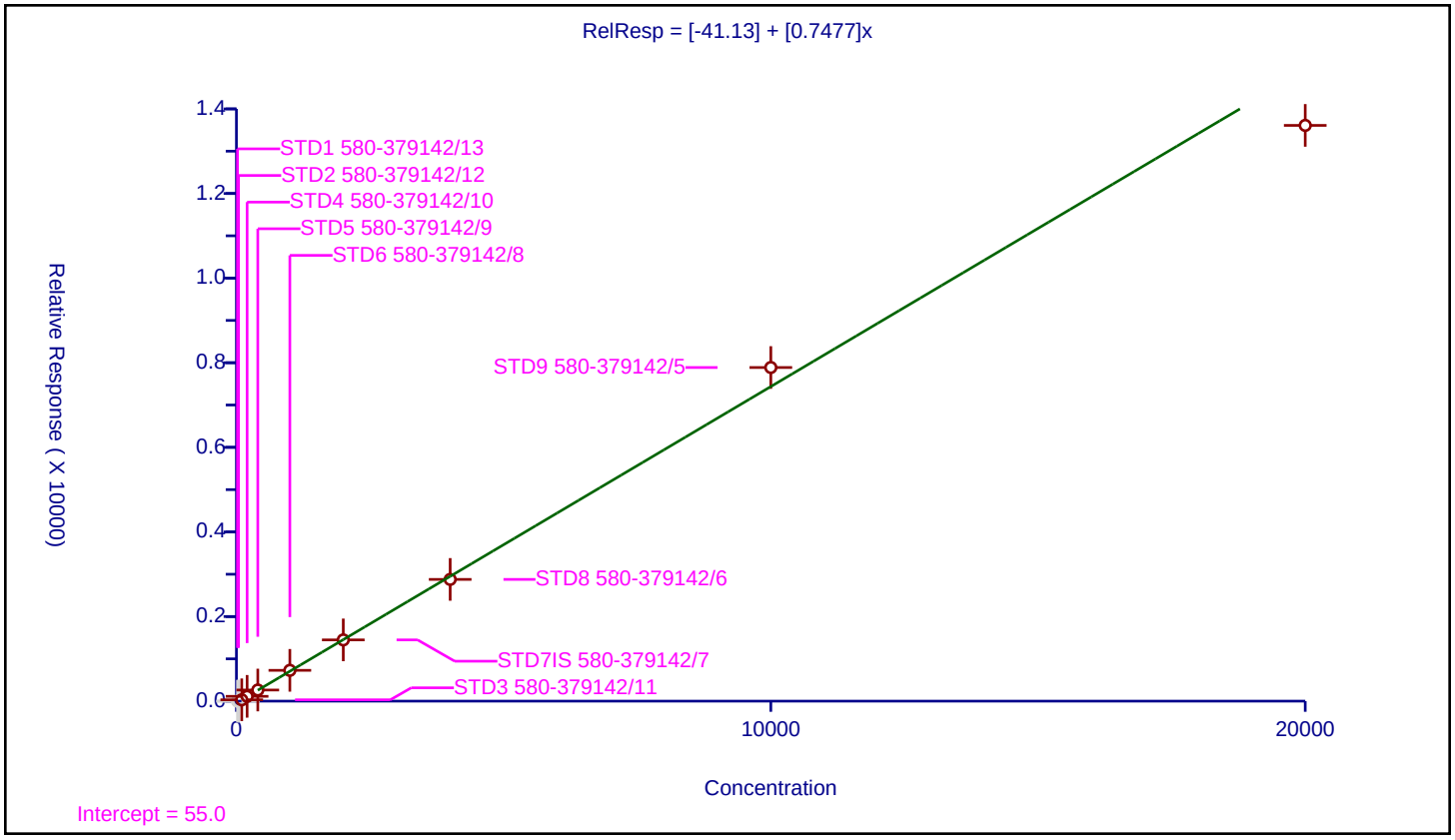
Curve Coefficients

Intercept:	-41.13
Slope:	0.7477

Error Coefficients

Standard Error:	2280000
Relative Standard Error:	4.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	20.0	0.0	100.0	28063.0	0.0	N
2	STD2 580-379142/12	40.0	0.0	100.0	31569.0	0.0	N
3	STD3 580-379142/11	100.0	31.874372	100.0	33814.0	0.318744	Y
4	STD4 580-379142/10	200.0	113.637023	100.0	34443.0	0.568185	Y
5	STD5 580-379142/9	400.0	262.645089	100.0	32997.0	0.656613	Y
6	STD6 580-379142/8	1000.0	727.963215	100.0	32296.0	0.727963	Y
7	STD7IS 580-379142/7	2000.0	1447.49466	100.0	32770.0	0.723747	Y
8	STD8 580-379142/6	4000.0	2877.805002	100.0	33467.0	0.719451	Y
9	STD9 580-379142/5	10000.0	7886.394558	100.0	32046.0	0.788639	Y
10	STD10 580-379142/4	20000.0	13609.424303	100.0	35748.0	0.680471	Y



Calibration / 2-Fluorophenol

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

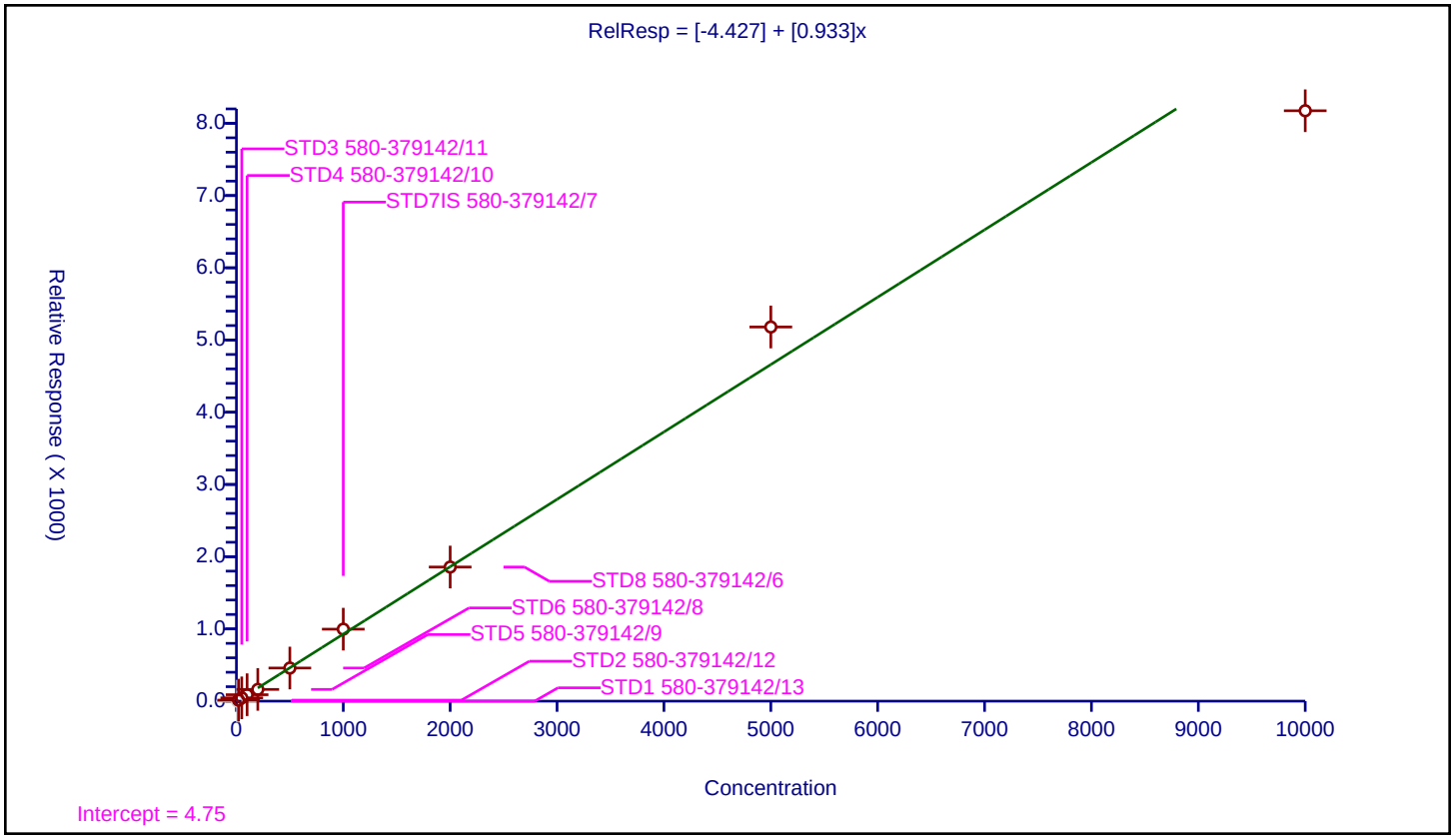
Curve Coefficients

Intercept:	-4.427
Slope:	0.933

Error Coefficients

Standard Error:	1300000
Relative Standard Error:	8.5
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	0.0	100.0	28063.0	0.0	N
2	STD2 580-379142/12	20.0	13.849029	100.0	31569.0	0.692451	Y
3	STD3 580-379142/11	50.0	45.634944	100.0	33814.0	0.912699	Y
4	STD4 580-379142/10	100.0	89.13277	100.0	34443.0	0.891328	Y
5	STD5 580-379142/9	200.0	162.317786	100.0	32997.0	0.811589	Y
6	STD6 580-379142/8	500.0	458.403517	100.0	32296.0	0.916807	Y
7	STD7IS 580-379142/7	1000.0	996.747025	100.0	32770.0	0.996747	Y
8	STD8 580-379142/6	2000.0	1856.873936	100.0	33467.0	0.928437	Y
9	STD9 580-379142/5	5000.0	5180.184734	100.0	32046.0	1.036037	Y
10	STD10 580-379142/4	10000.0	8174.342621	100.0	35748.0	0.817434	Y



Calibration / Phenol-d5

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

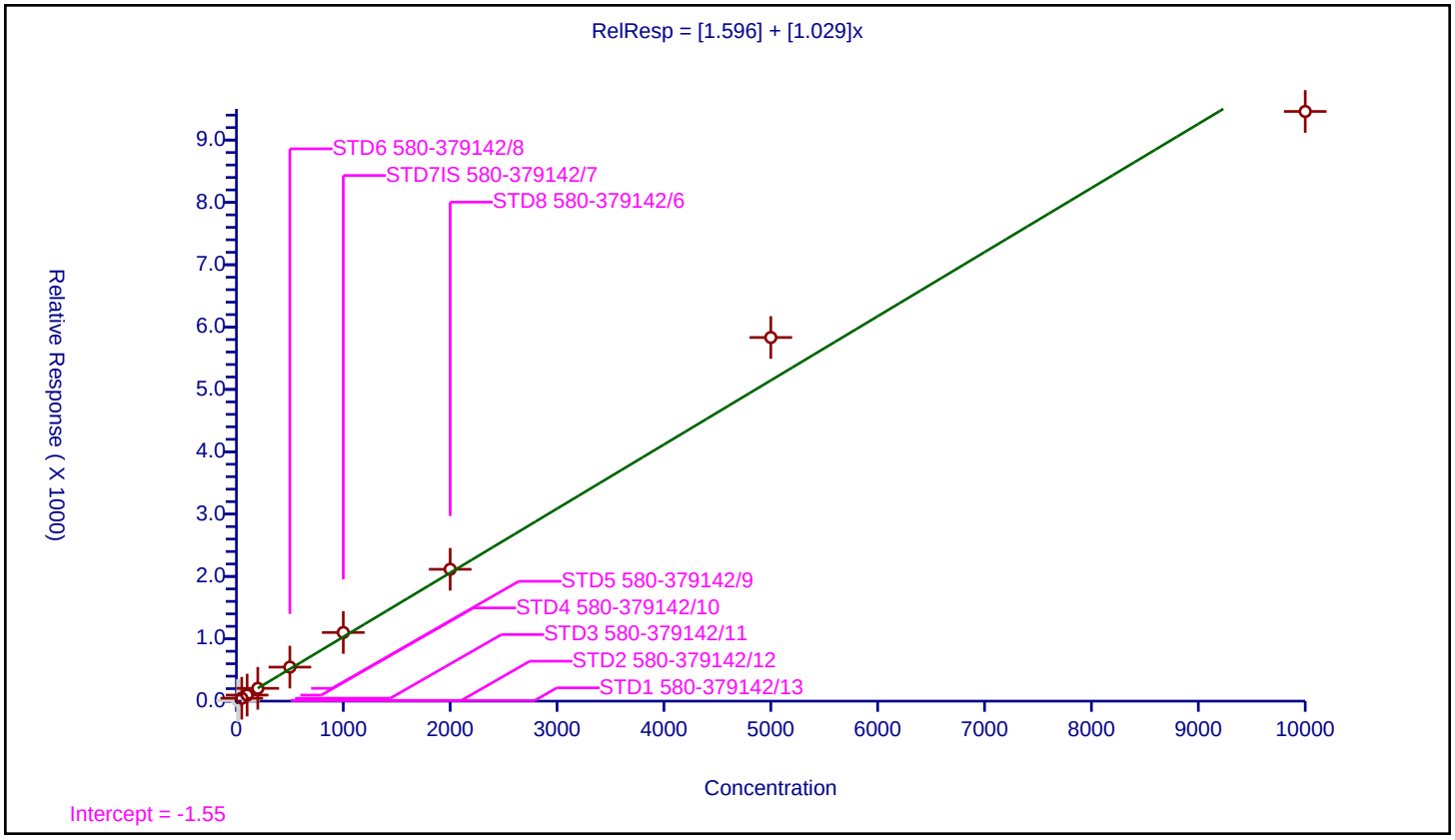
Curve Coefficients

Intercept:	1.596
Slope:	1.029

Error Coefficients

Standard Error:	1610000
Relative Standard Error:	9.5
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	9.428785	100.0	28063.0	0.942879	N
2	STD2 580-379142/12	20.0	12.458424	100.0	31569.0	0.622921	N
3	STD3 580-379142/11	50.0	46.601999	100.0	33814.0	0.93204	Y
4	STD4 580-379142/10	100.0	96.995035	100.0	34443.0	0.96995	Y
5	STD5 580-379142/9	200.0	205.267145	100.0	32997.0	1.026336	Y
6	STD6 580-379142/8	500.0	545.925192	100.0	32296.0	1.09185	Y
7	STD7IS 580-379142/7	1000.0	1101.031431	100.0	32770.0	1.101031	Y
8	STD8 580-379142/6	2000.0	2114.859414	100.0	33467.0	1.05743	Y
9	STD9 580-379142/5	5000.0	5833.31461	100.0	32046.0	1.166663	Y
10	STD10 580-379142/4	10000.0	9458.965537	100.0	35748.0	0.945897	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

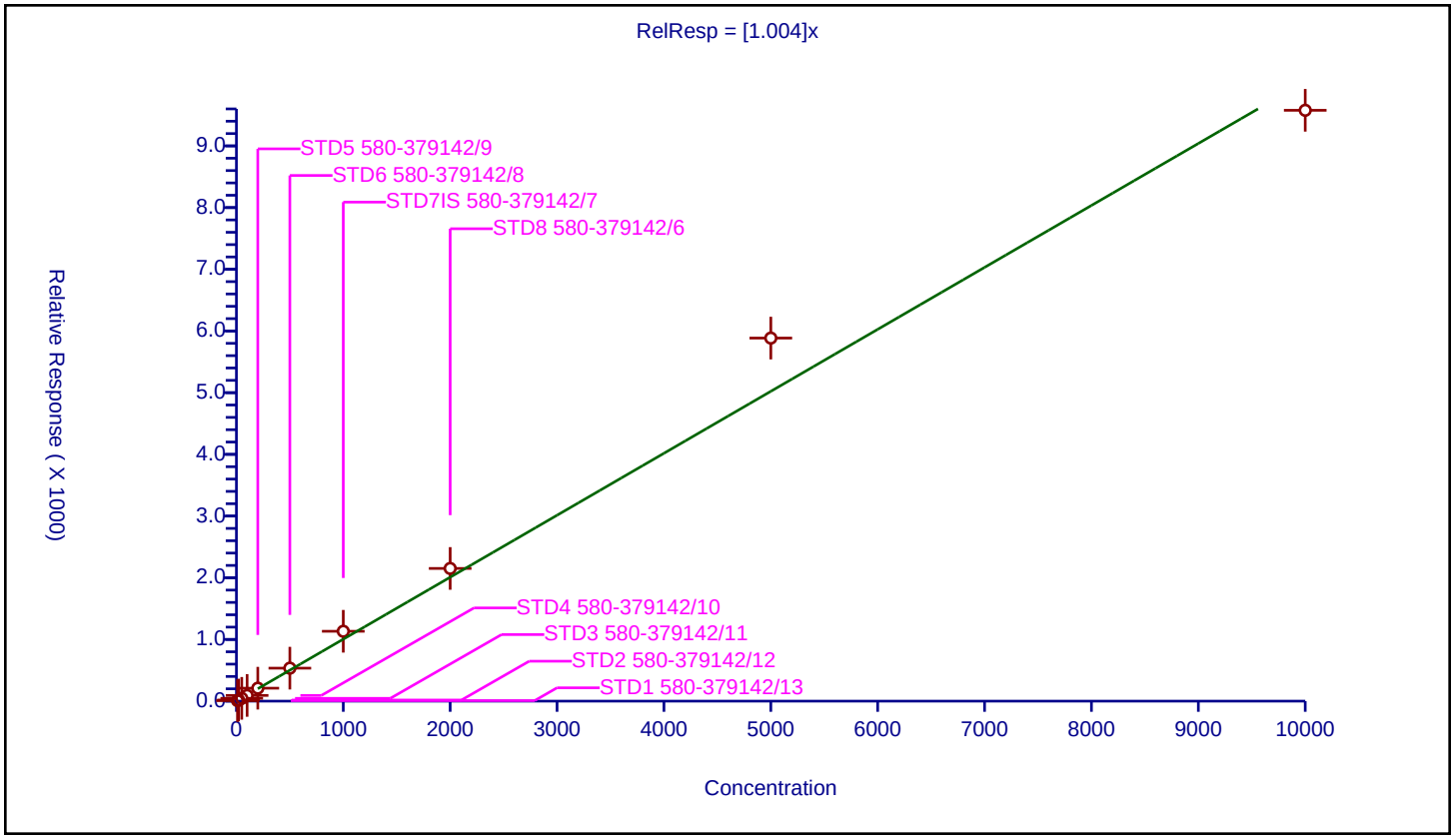
Curve Coefficients

Intercept:	0
Slope:	1.004

Error Coefficients

Standard Error:	1330000
Relative Standard Error:	11.0
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	8.502298	100.0	28063.0	0.85023	Y
2	STD2 580-379142/12	20.0	17.878298	100.0	31569.0	0.893915	Y
3	STD3 580-379142/11	50.0	45.623115	100.0	33814.0	0.912462	Y
4	STD4 580-379142/10	100.0	92.58485	100.0	34443.0	0.925849	Y
5	STD5 580-379142/9	200.0	209.906961	100.0	32997.0	1.049535	Y
6	STD6 580-379142/8	500.0	534.512014	100.0	32296.0	1.069024	Y
7	STD7IS 580-379142/7	1000.0	1132.541959	100.0	32770.0	1.132542	Y
8	STD8 580-379142/6	2000.0	2150.94272	100.0	33467.0	1.075471	Y
9	STD9 580-379142/5	5000.0	5884.82806	100.0	32046.0	1.176966	Y
10	STD10 580-379142/4	10000.0	9577.291037	100.0	35748.0	0.957729	Y



Calibration / Aniline

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

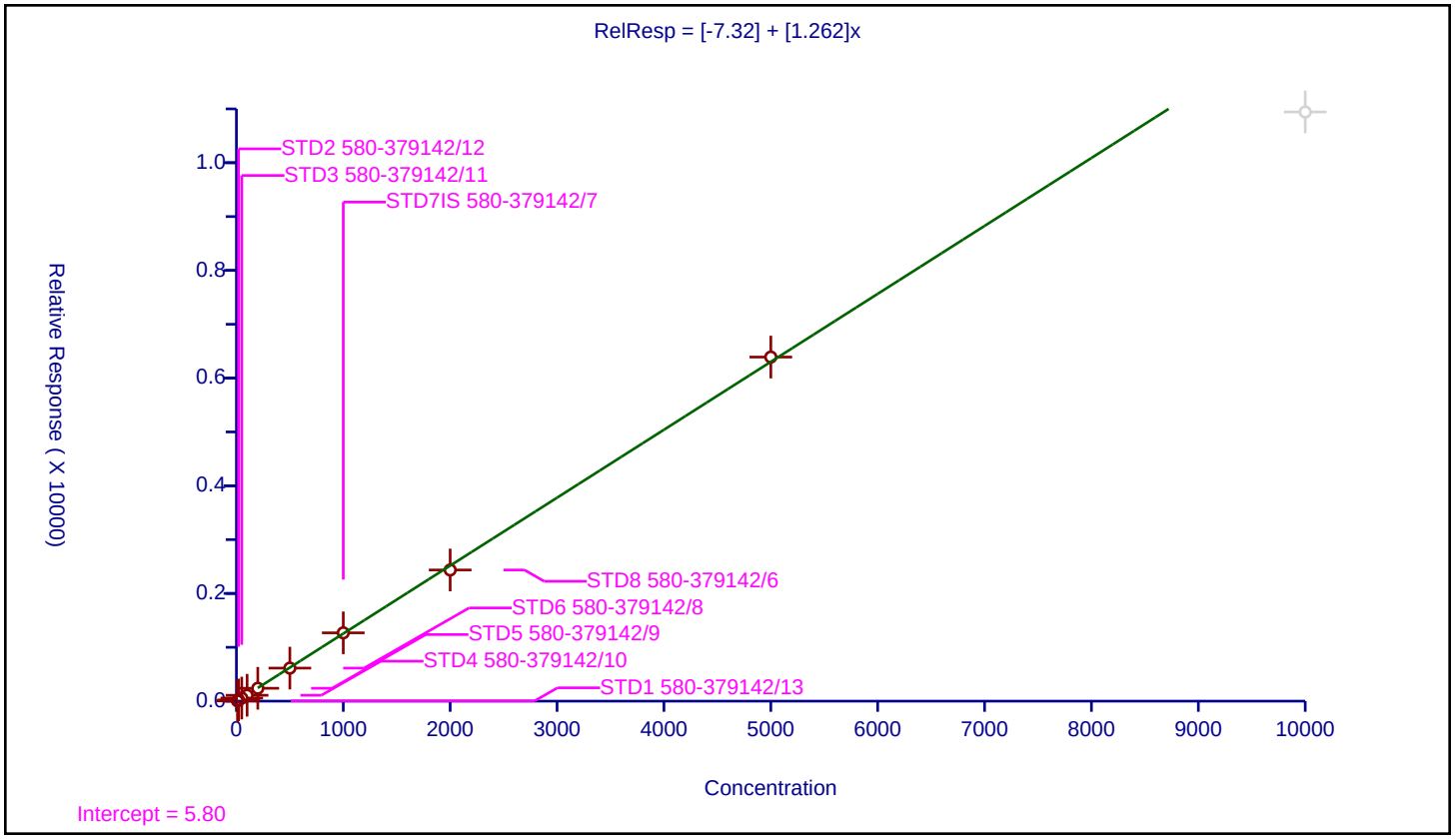
Curve Coefficients

Intercept:	-7.32
Slope:	1.262

Error Coefficients

Standard Error:	849000
Relative Standard Error:	6.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	4.853366	100.0	28063.0	0.485337	Y
2	STD2 580-379142/12	20.0	21.533783	100.0	31569.0	1.076689	Y
3	STD3 580-379142/11	50.0	56.923168	100.0	33814.0	1.138463	Y
4	STD4 580-379142/10	100.0	108.887147	100.0	34443.0	1.088871	Y
5	STD5 580-379142/9	200.0	238.991423	100.0	32997.0	1.194957	Y
6	STD6 580-379142/8	500.0	613.642556	100.0	32296.0	1.227285	Y
7	STD7IS 580-379142/7	1000.0	1268.593226	100.0	32770.0	1.268593	Y
8	STD8 580-379142/6	2000.0	2436.286491	100.0	33467.0	1.218143	Y
9	STD9 580-379142/5	5000.0	6390.638457	100.0	32046.0	1.278128	Y
10	STD10 580-379142/4	10000.0	10942.547835	100.0	35748.0	1.094255	N



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

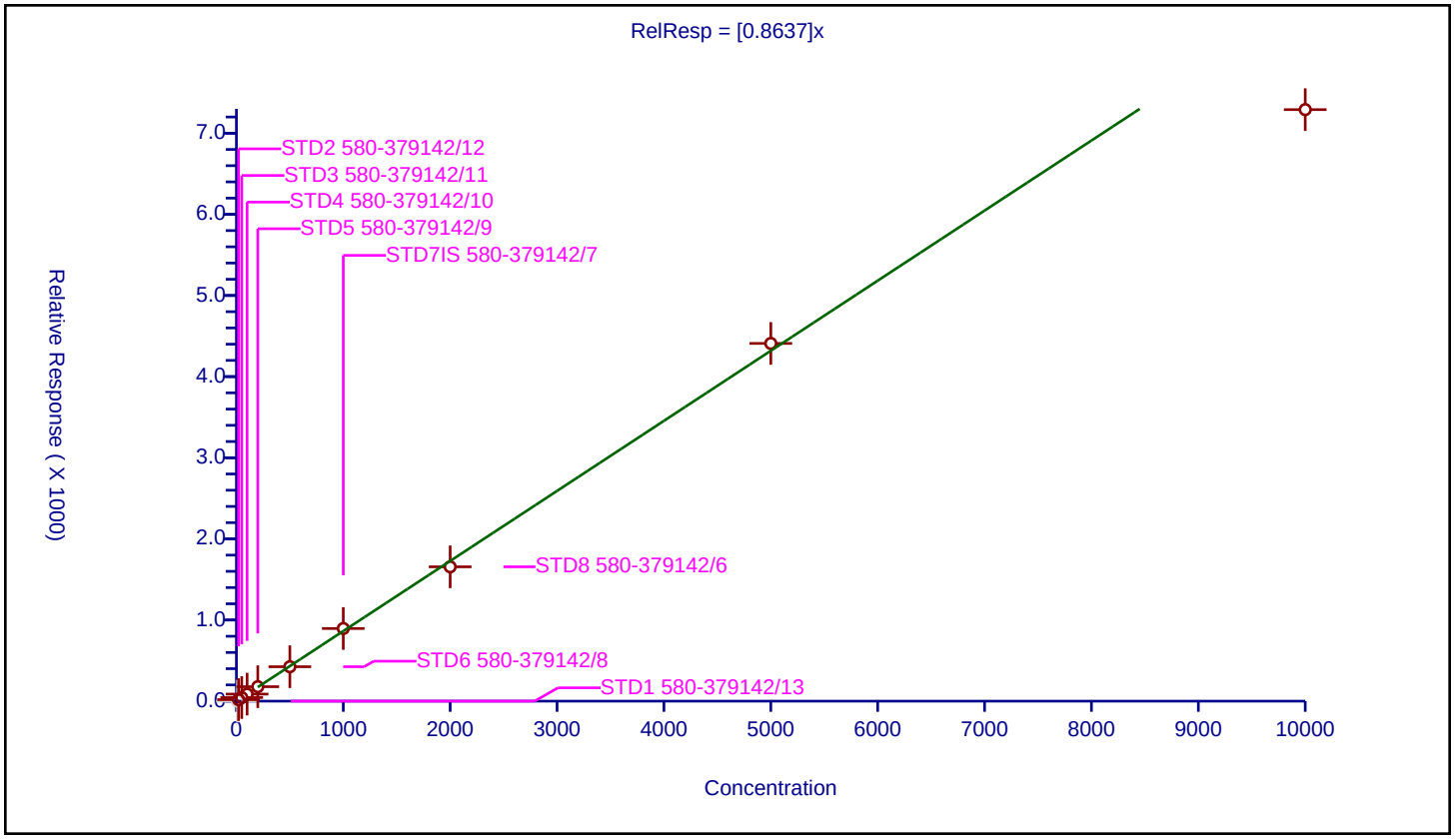
Curve Coefficients

Intercept:	0
Slope:	0.8637

Error Coefficients

Standard Error:	1070000
Relative Standard Error:	7.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	0.0	100.0	28063.0	0.0	N
2	STD2 580-379142/12	20.0	19.021825	100.0	31569.0	0.951091	Y
3	STD3 580-379142/11	50.0	44.020228	100.0	33814.0	0.880405	Y
4	STD4 580-379142/10	100.0	86.926226	100.0	34443.0	0.869262	Y
5	STD5 580-379142/9	200.0	177.973755	100.0	32997.0	0.889869	Y
6	STD6 580-379142/8	500.0	424.467426	100.0	32296.0	0.848935	Y
7	STD7IS 580-379142/7	1000.0	895.382972	100.0	32770.0	0.895383	Y
8	STD8 580-379142/6	2000.0	1655.5861	100.0	33467.0	0.827793	Y
9	STD9 580-379142/5	5000.0	4409.083817	100.0	32046.0	0.881817	Y
10	STD10 580-379142/4	10000.0	7290.84704	100.0	35748.0	0.729085	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

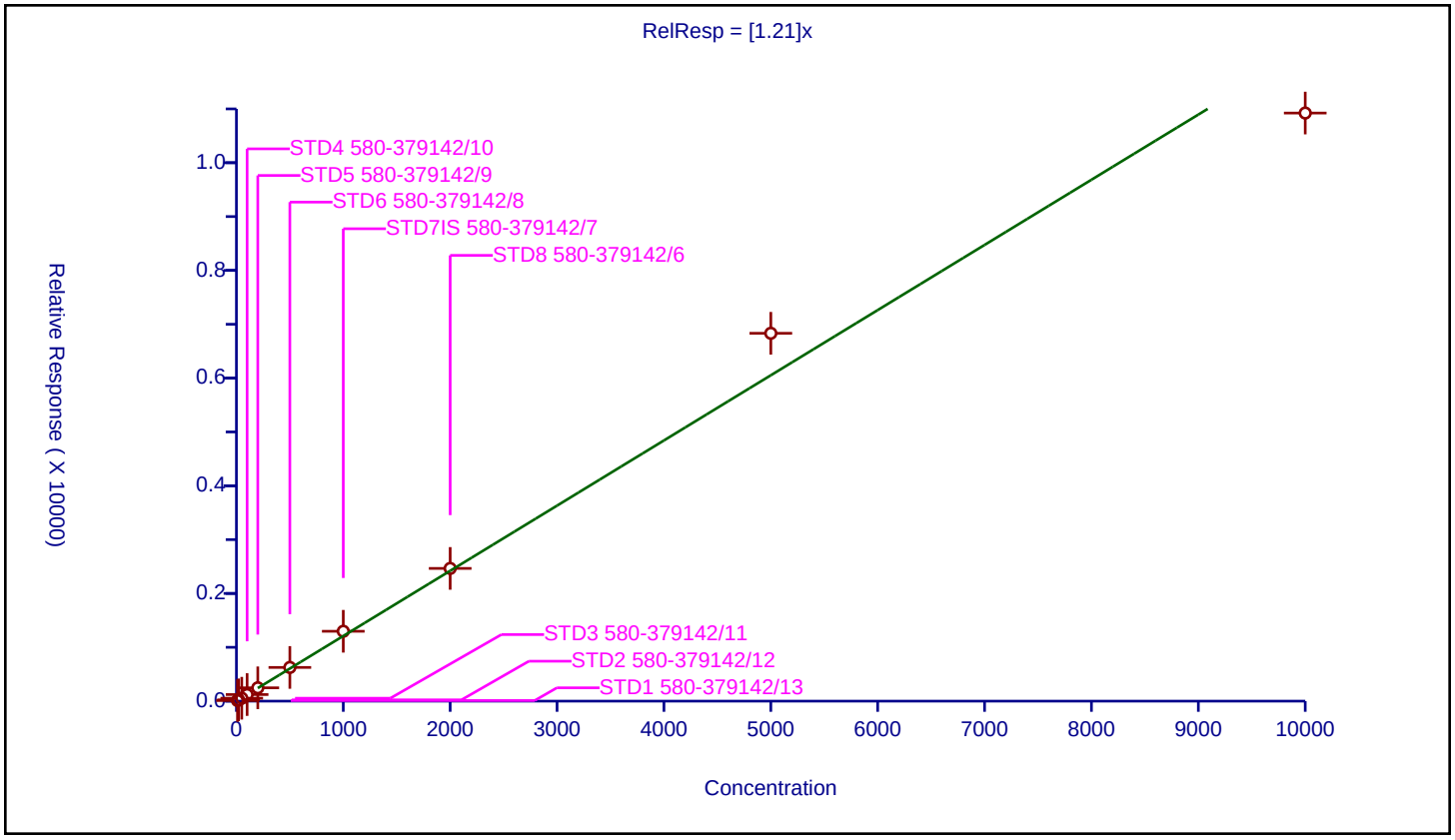
Curve Coefficients

Intercept:	0
Slope:	1.21

Error Coefficients

Standard Error:	1520000
Relative Standard Error:	7.5
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	11.18911	100.0	28063.0	1.118911	Y
2	STD2 580-379142/12	20.0	24.036238	100.0	31569.0	1.201812	Y
3	STD3 580-379142/11	50.0	54.013131	100.0	33814.0	1.080263	Y
4	STD4 580-379142/10	100.0	122.41094	100.0	34443.0	1.224109	Y
5	STD5 580-379142/9	200.0	247.761918	100.0	32997.0	1.23881	Y
6	STD6 580-379142/8	500.0	625.956775	100.0	32296.0	1.251914	Y
7	STD7IS 580-379142/7	1000.0	1297.760146	100.0	32770.0	1.29776	Y
8	STD8 580-379142/6	2000.0	2465.096961	100.0	33467.0	1.232548	Y
9	STD9 580-379142/5	5000.0	6832.078887	100.0	32046.0	1.366416	Y
10	STD10 580-379142/4	10000.0	10922.840439	100.0	35748.0	1.092284	Y



Calibration / n-Decane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

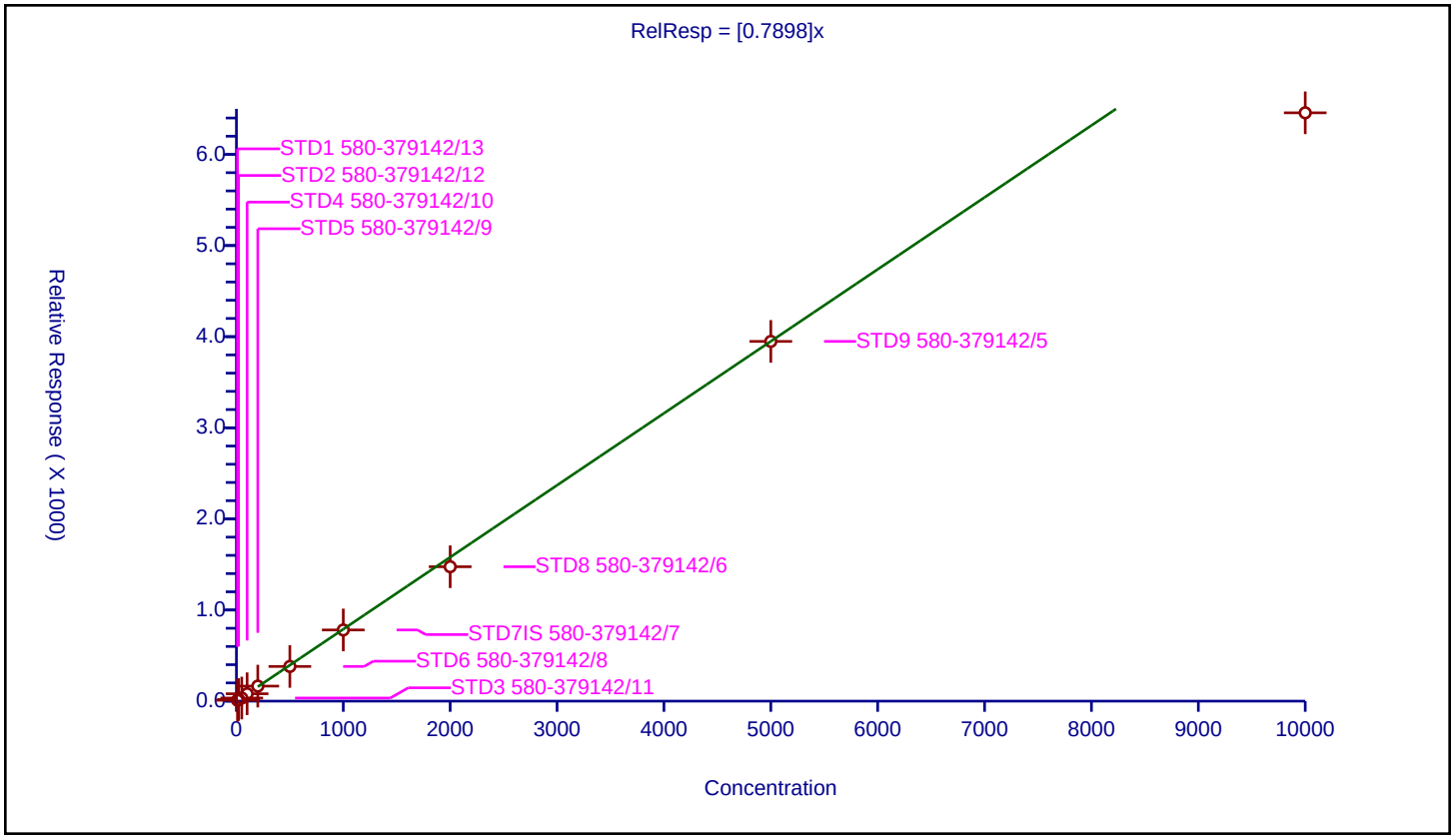
Curve Coefficients

Intercept:	0
Slope:	0.7898

Error Coefficients

Standard Error:	895000
Relative Standard Error:	12.6
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.978

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	9.998931	100.0	28063.0	0.999893	Y
2	STD2 580-379142/12	20.0	17.330292	100.0	31569.0	0.866515	Y
3	STD3 580-379142/11	50.0	33.917904	100.0	33814.0	0.678358	Y
4	STD4 580-379142/10	100.0	81.218245	100.0	34443.0	0.812182	Y
5	STD5 580-379142/9	200.0	165.099858	100.0	32997.0	0.825499	Y
6	STD6 580-379142/8	500.0	380.694204	100.0	32296.0	0.761388	Y
7	STD7IS 580-379142/7	1000.0	781.303021	100.0	32770.0	0.781303	Y
8	STD8 580-379142/6	2000.0	1475.196462	100.0	33467.0	0.737598	Y
9	STD9 580-379142/5	5000.0	3948.005991	100.0	32046.0	0.789601	Y
10	STD10 580-379142/4	10000.0	6457.122077	100.0	35748.0	0.645712	Y



Calibration / 1,3-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

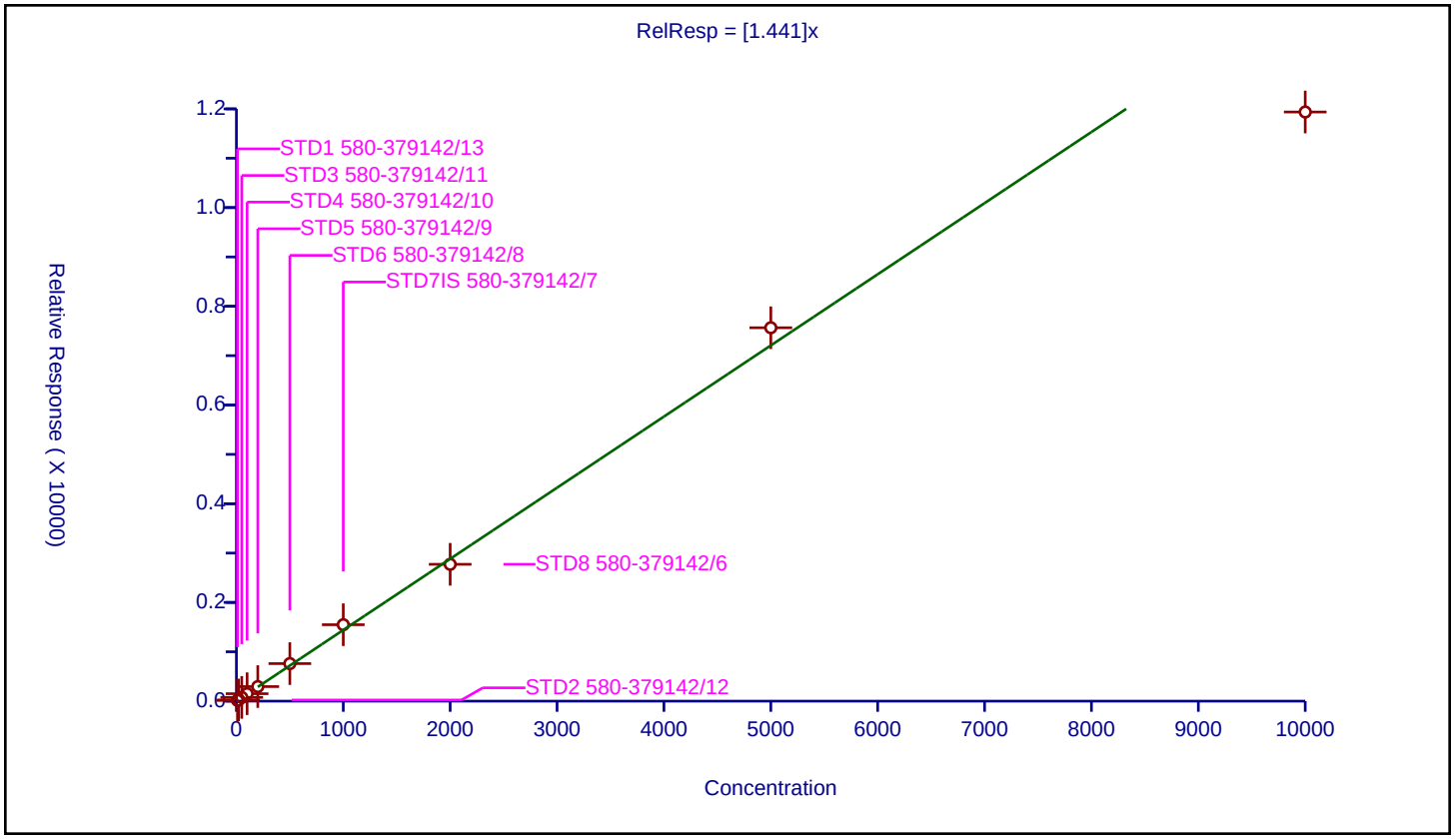
Curve Coefficients

Intercept:	0
Slope:	1.441

Error Coefficients

Standard Error:	1670000
Relative Standard Error:	11.3
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	16.299041	100.0	28063.0	1.629904	Y
2	STD2 580-379142/12	20.0	22.398556	100.0	31569.0	1.119928	Y
3	STD3 580-379142/11	50.0	75.977406	100.0	33814.0	1.519548	Y
4	STD4 580-379142/10	100.0	150.849229	100.0	34443.0	1.508492	Y
5	STD5 580-379142/9	200.0	294.714671	100.0	32997.0	1.473573	Y
6	STD6 580-379142/8	500.0	760.762943	100.0	32296.0	1.521526	Y
7	STD7IS 580-379142/7	1000.0	1548.410131	100.0	32770.0	1.54841	Y
8	STD8 580-379142/6	2000.0	2772.674575	100.0	33467.0	1.386337	Y
9	STD9 580-379142/5	5000.0	7565.611933	100.0	32046.0	1.513122	Y
10	STD10 580-379142/4	10000.0	11936.947522	100.0	35748.0	1.193695	Y



Calibration / 1,4-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

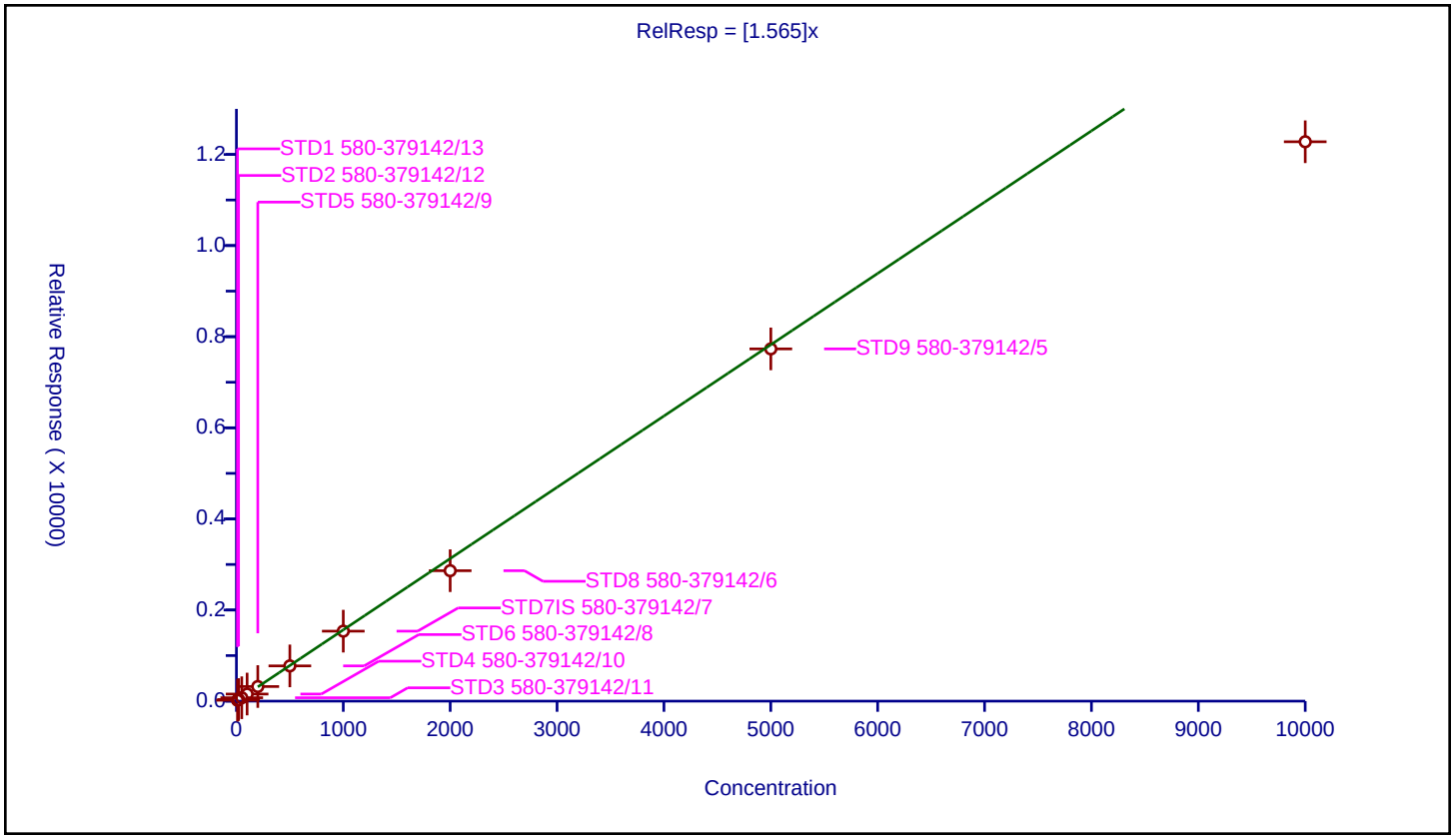
Curve Coefficients

Intercept:	0
Slope:	1.565

Error Coefficients

Standard Error:	1710000
Relative Standard Error:	12.4
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.979

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	19.773367	100.0	28063.0	1.977337	Y
2	STD2 580-379142/12	20.0	34.606734	100.0	31569.0	1.730337	Y
3	STD3 580-379142/11	50.0	74.398178	100.0	33814.0	1.487964	Y
4	STD4 580-379142/10	100.0	155.906861	100.0	34443.0	1.559069	Y
5	STD5 580-379142/9	200.0	320.486711	100.0	32997.0	1.602434	Y
6	STD6 580-379142/8	500.0	774.006069	100.0	32296.0	1.548012	Y
7	STD7IS 580-379142/7	1000.0	1536.325908	100.0	32770.0	1.536326	Y
8	STD8 580-379142/6	2000.0	2862.969492	100.0	33467.0	1.431485	Y
9	STD9 580-379142/5	5000.0	7731.67322	100.0	32046.0	1.546335	Y
10	STD10 580-379142/4	10000.0	12278.530267	100.0	35748.0	1.227853	Y



Calibration / Benzyl alcohol

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

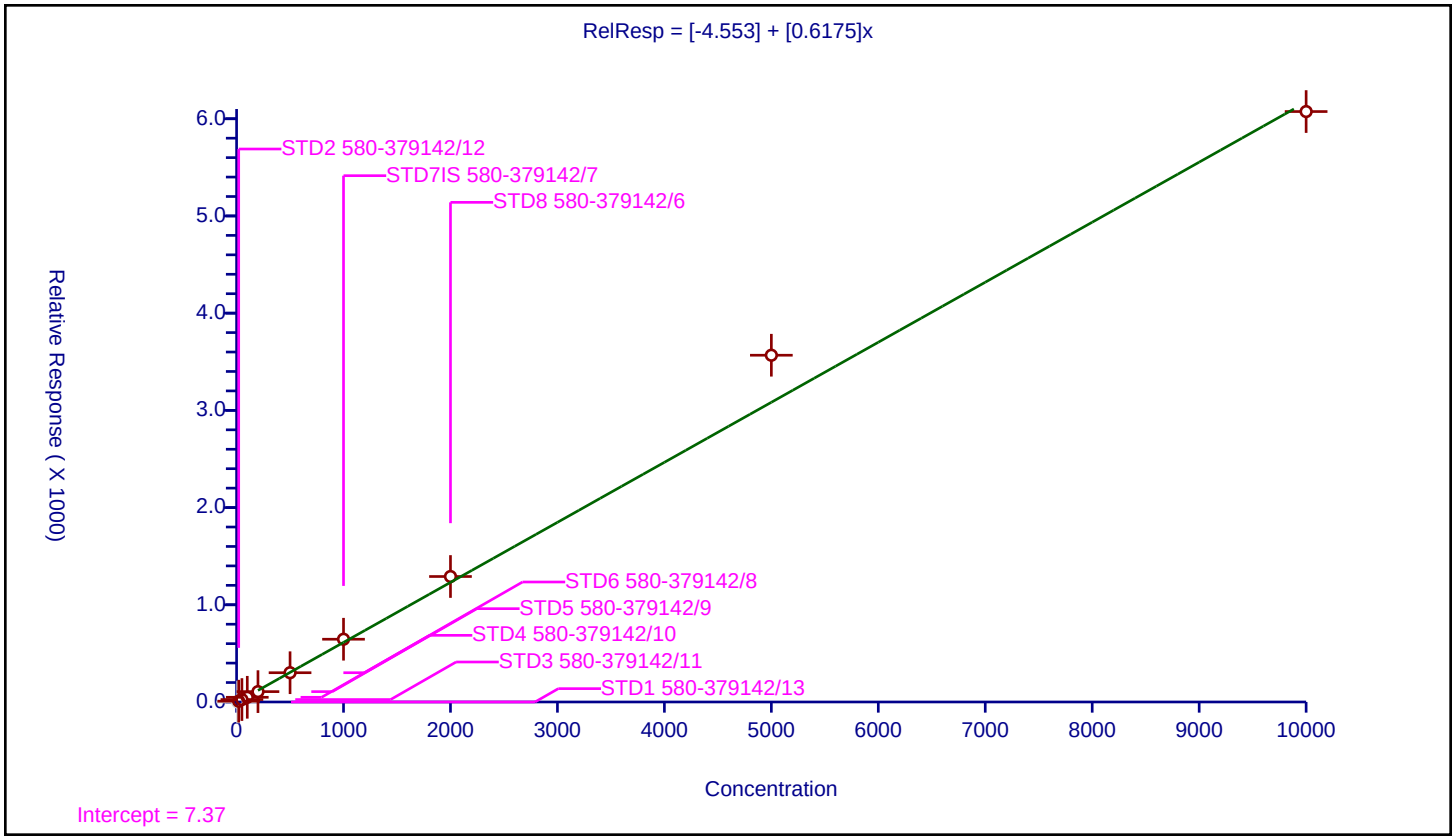
Curve Coefficients

Intercept:	-4.553
Slope:	0.6175

Error Coefficients

Standard Error:	943000
Relative Standard Error:	9.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	0.0	100.0	28063.0	0.0	N
2	STD2 580-379142/12	20.0	8.470335	100.0	31569.0	0.423517	Y
3	STD3 580-379142/11	50.0	24.974862	100.0	33814.0	0.499497	Y
4	STD4 580-379142/10	100.0	48.3088	100.0	34443.0	0.483088	Y
5	STD5 580-379142/9	200.0	106.658181	100.0	32997.0	0.533291	Y
6	STD6 580-379142/8	500.0	301.130171	100.0	32296.0	0.60226	Y
7	STD7IS 580-379142/7	1000.0	645.498932	100.0	32770.0	0.645499	Y
8	STD8 580-379142/6	2000.0	1290.826785	100.0	33467.0	0.645413	Y
9	STD9 580-379142/5	5000.0	3567.144105	100.0	32046.0	0.713429	Y
10	STD10 580-379142/4	10000.0	6074.00414	100.0	35748.0	0.6074	Y



Calibration / 1,2-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

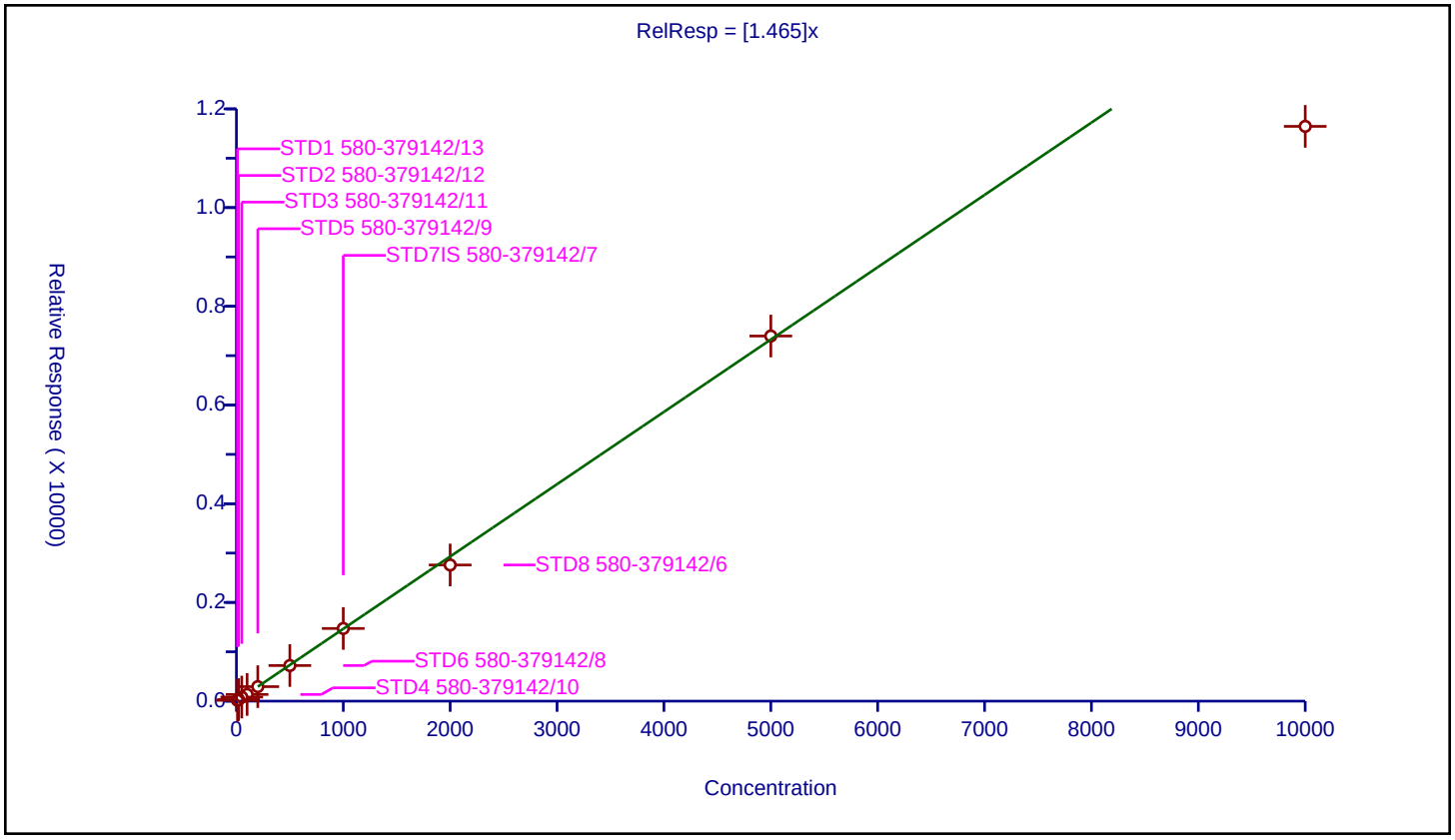
Curve Coefficients

Intercept:	0
Slope:	1.465

Error Coefficients

Standard Error:	1630000
Relative Standard Error:	10.0
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	16.505719	100.0	28063.0	1.650572	Y
2	STD2 580-379142/12	20.0	31.822357	100.0	31569.0	1.591118	Y
3	STD3 580-379142/11	50.0	82.241084	100.0	33814.0	1.644822	Y
4	STD4 580-379142/10	100.0	135.937636	100.0	34443.0	1.359376	Y
5	STD5 580-379142/9	200.0	293.690335	100.0	32997.0	1.468452	Y
6	STD6 580-379142/8	500.0	721.04595	100.0	32296.0	1.442092	Y
7	STD7IS 580-379142/7	1000.0	1472.66097	100.0	32770.0	1.472661	Y
8	STD8 580-379142/6	2000.0	2759.025309	100.0	33467.0	1.379513	Y
9	STD9 580-379142/5	5000.0	7397.750109	100.0	32046.0	1.47955	Y
10	STD10 580-379142/4	10000.0	11646.231957	100.0	35748.0	1.164623	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

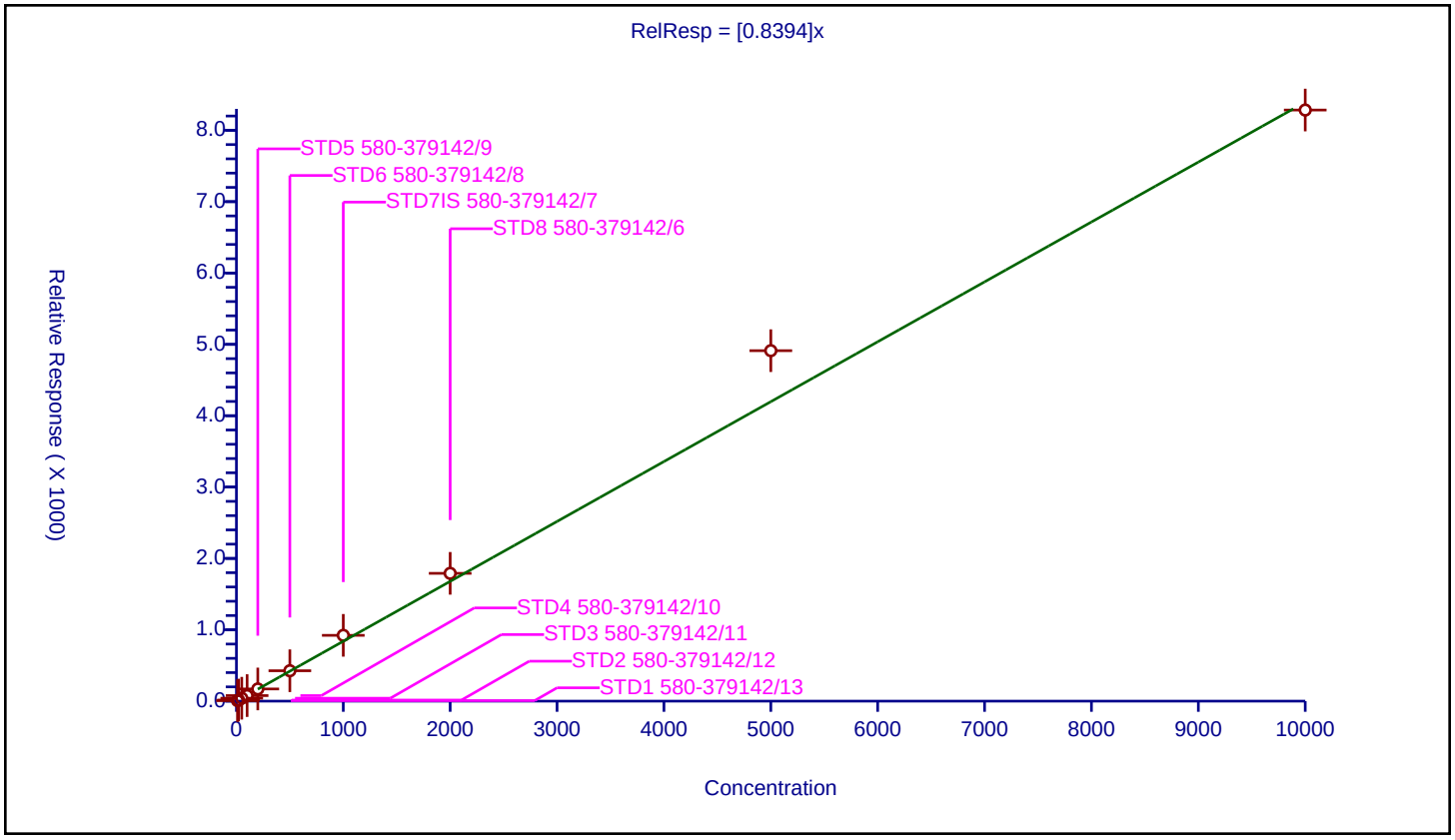
Curve Coefficients

Intercept:	0
Slope:	0.8394

Error Coefficients

Standard Error:	1140000
Relative Standard Error:	9.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	7.141075	100.0	28063.0	0.714108	Y
2	STD2 580-379142/12	20.0	15.024233	100.0	31569.0	0.751212	Y
3	STD3 580-379142/11	50.0	40.77601	100.0	33814.0	0.81552	Y
4	STD4 580-379142/10	100.0	77.867782	100.0	34443.0	0.778678	Y
5	STD5 580-379142/9	200.0	170.745825	100.0	32997.0	0.853729	Y
6	STD6 580-379142/8	500.0	426.034184	100.0	32296.0	0.852068	Y
7	STD7IS 580-379142/7	1000.0	922.184925	100.0	32770.0	0.922185	Y
8	STD8 580-379142/6	2000.0	1791.07479	100.0	33467.0	0.895537	Y
9	STD9 580-379142/5	5000.0	4911.464769	100.0	32046.0	0.982293	Y
10	STD10 580-379142/4	10000.0	8283.800492	100.0	35748.0	0.82838	Y



Calibration / 2,2'-oxybis[1-chloropropane]

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

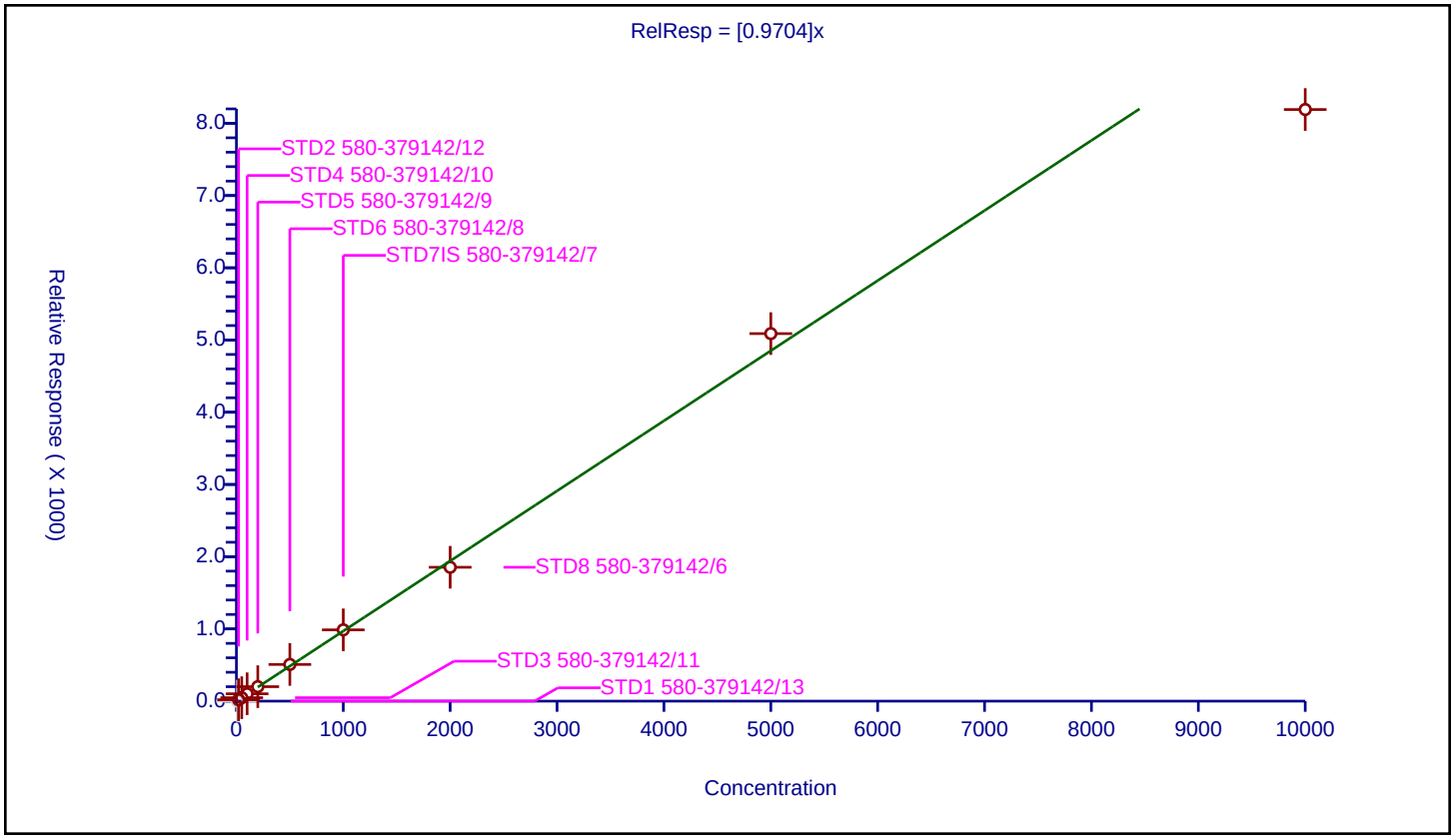
Curve Coefficients

Intercept:	0
Slope:	0.9704

Error Coefficients

Standard Error:	1210000
Relative Standard Error:	6.7
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	0.0	100.0	28063.0	0.0	N
2	STD2 580-379142/12	20.0	19.810574	100.0	31569.0	0.990529	Y
3	STD3 580-379142/11	50.0	47.610457	100.0	33814.0	0.952209	Y
4	STD4 580-379142/10	100.0	102.10783	100.0	34443.0	1.021078	Y
5	STD5 580-379142/9	200.0	200.500045	100.0	32997.0	1.0025	Y
6	STD6 580-379142/8	500.0	508.072207	100.0	32296.0	1.016144	Y
7	STD7IS 580-379142/7	1000.0	987.16509	100.0	32770.0	0.987165	Y
8	STD8 580-379142/6	2000.0	1853.557235	100.0	33467.0	0.926779	Y
9	STD9 580-379142/5	5000.0	5088.582038	100.0	32046.0	1.017716	Y
10	STD10 580-379142/4	10000.0	8191.319794	100.0	35748.0	0.819132	Y



Calibration / Acetophenone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

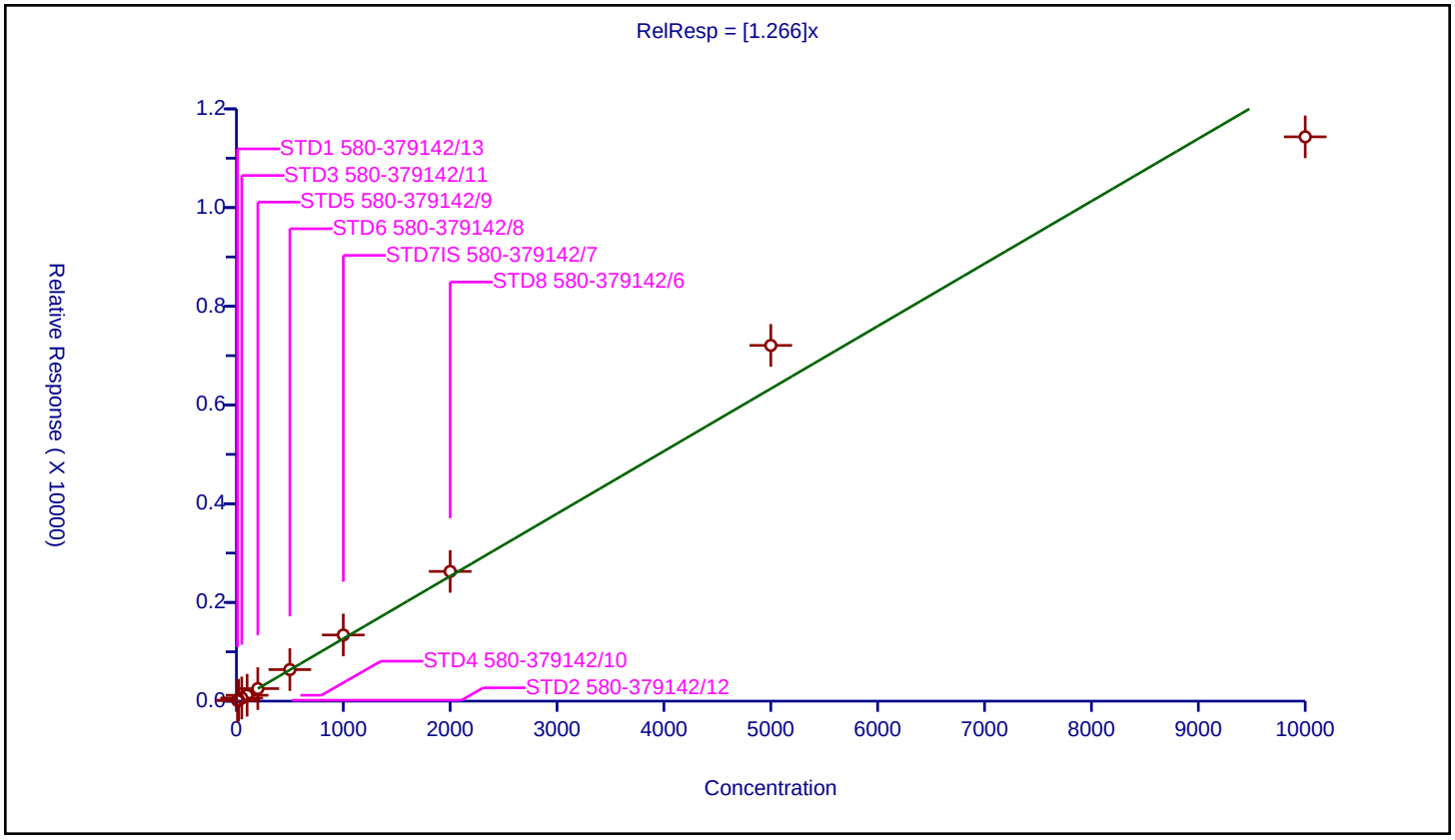
Curve Coefficients

Intercept:	0
Slope:	1.266

Error Coefficients

Standard Error:	1600000
Relative Standard Error:	12.5
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.981

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	14.838043	100.0	28063.0	1.483804	Y
2	STD2 580-379142/12	20.0	18.372454	100.0	31569.0	0.918623	Y
3	STD3 580-379142/11	50.0	63.861123	100.0	33814.0	1.277222	Y
4	STD4 580-379142/10	100.0	119.559853	100.0	34443.0	1.195599	Y
5	STD5 580-379142/9	200.0	253.859442	100.0	32997.0	1.269297	Y
6	STD6 580-379142/8	500.0	639.10701	100.0	32296.0	1.278214	Y
7	STD7IS 580-379142/7	1000.0	1340.335673	100.0	32770.0	1.340336	Y
8	STD8 580-379142/6	2000.0	2628.144142	100.0	33467.0	1.314072	Y
9	STD9 580-379142/5	5000.0	7207.816888	100.0	32046.0	1.441563	Y
10	STD10 580-379142/4	10000.0	11433.635448	100.0	35748.0	1.143364	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

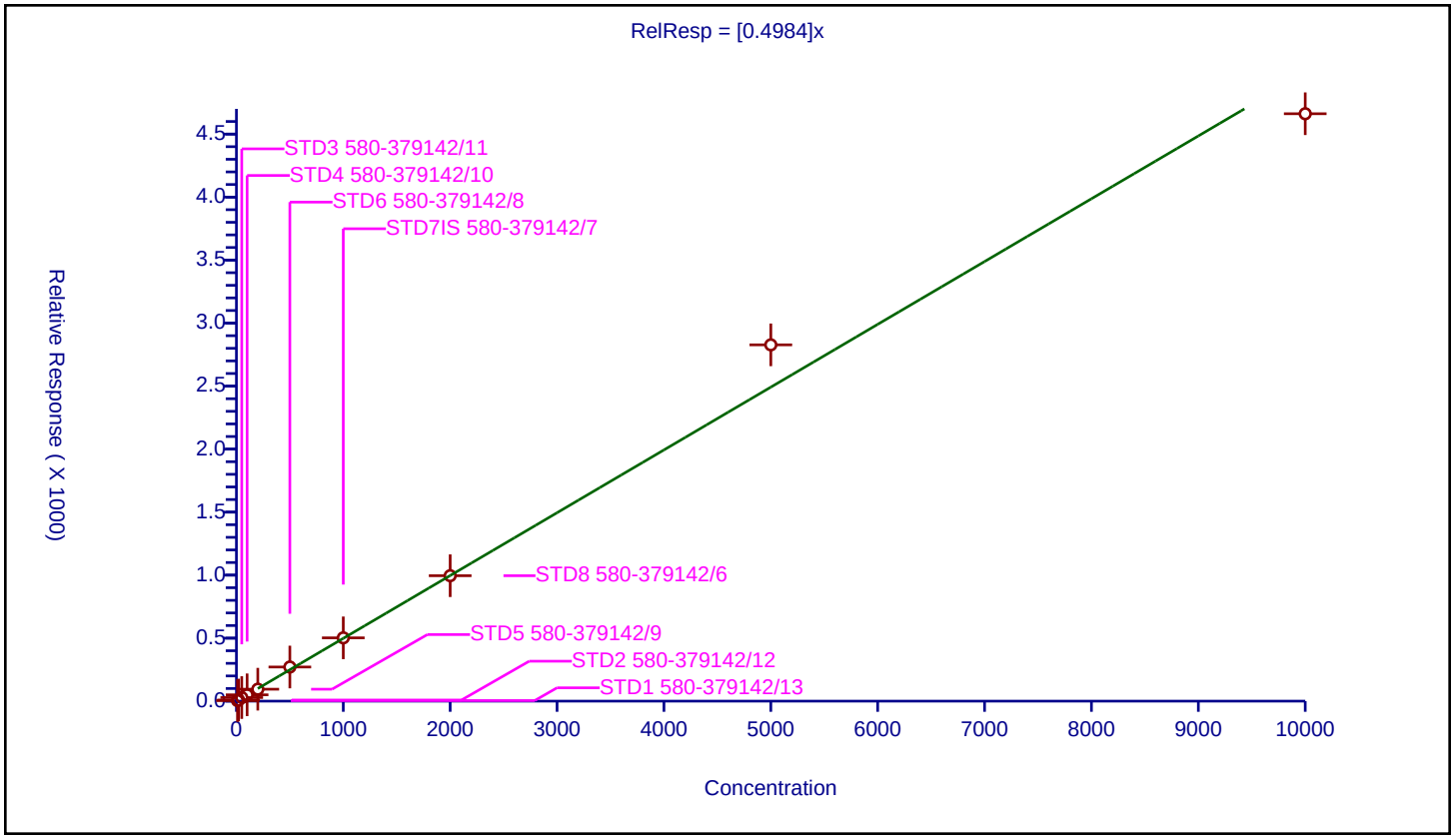
Curve Coefficients

Intercept:	0
Slope:	0.4984

Error Coefficients

Standard Error:	643000
Relative Standard Error:	9.8
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	4.265403	100.0	28063.0	0.42654	Y
2	STD2 580-379142/12	20.0	8.806107	100.0	31569.0	0.440305	Y
3	STD3 580-379142/11	50.0	28.43201	100.0	33814.0	0.56864	Y
4	STD4 580-379142/10	100.0	50.100165	100.0	34443.0	0.501002	Y
5	STD5 580-379142/9	200.0	94.723763	100.0	32997.0	0.473619	Y
6	STD6 580-379142/8	500.0	270.878747	100.0	32296.0	0.541757	Y
7	STD7IS 580-379142/7	1000.0	502.392432	100.0	32770.0	0.502392	Y
8	STD8 580-379142/6	2000.0	995.425344	100.0	33467.0	0.497713	Y
9	STD9 580-379142/5	5000.0	2827.479249	100.0	32046.0	0.565496	Y
10	STD10 580-379142/4	10000.0	4661.617433	100.0	35748.0	0.466162	Y



Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

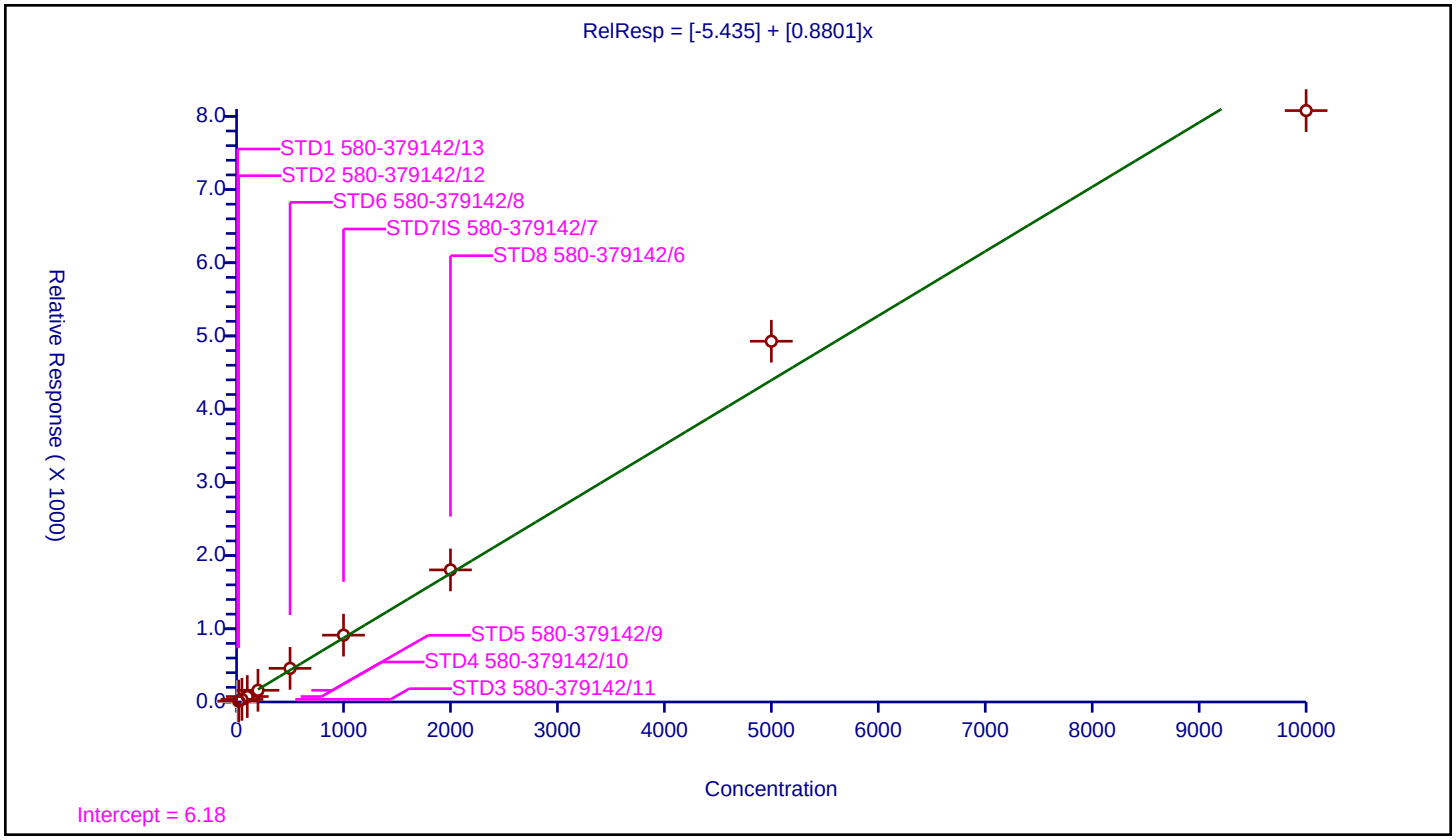
Curve Coefficients

Intercept:	-5.435
Slope:	0.8801

Error Coefficients

Standard Error:	1270000
Relative Standard Error:	8.0
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	4.810605	100.0	28063.0	0.48106	N
2	STD2 580-379142/12	20.0	12.939909	100.0	31569.0	0.646995	Y
3	STD3 580-379142/11	50.0	36.053114	100.0	33814.0	0.721062	Y
4	STD4 580-379142/10	100.0	74.409895	100.0	34443.0	0.744099	Y
5	STD5 580-379142/9	200.0	159.808467	100.0	32997.0	0.799042	Y
6	STD6 580-379142/8	500.0	459.357196	100.0	32296.0	0.918714	Y
7	STD7IS 580-379142/7	1000.0	913.094294	100.0	32770.0	0.913094	Y
8	STD8 580-379142/6	2000.0	1804.437207	100.0	33467.0	0.902219	Y
9	STD9 580-379142/5	5000.0	4927.966049	100.0	32046.0	0.985593	Y
10	STD10 580-379142/4	10000.0	8078.496699	100.0	35748.0	0.80785	Y



Calibration / Hexachloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

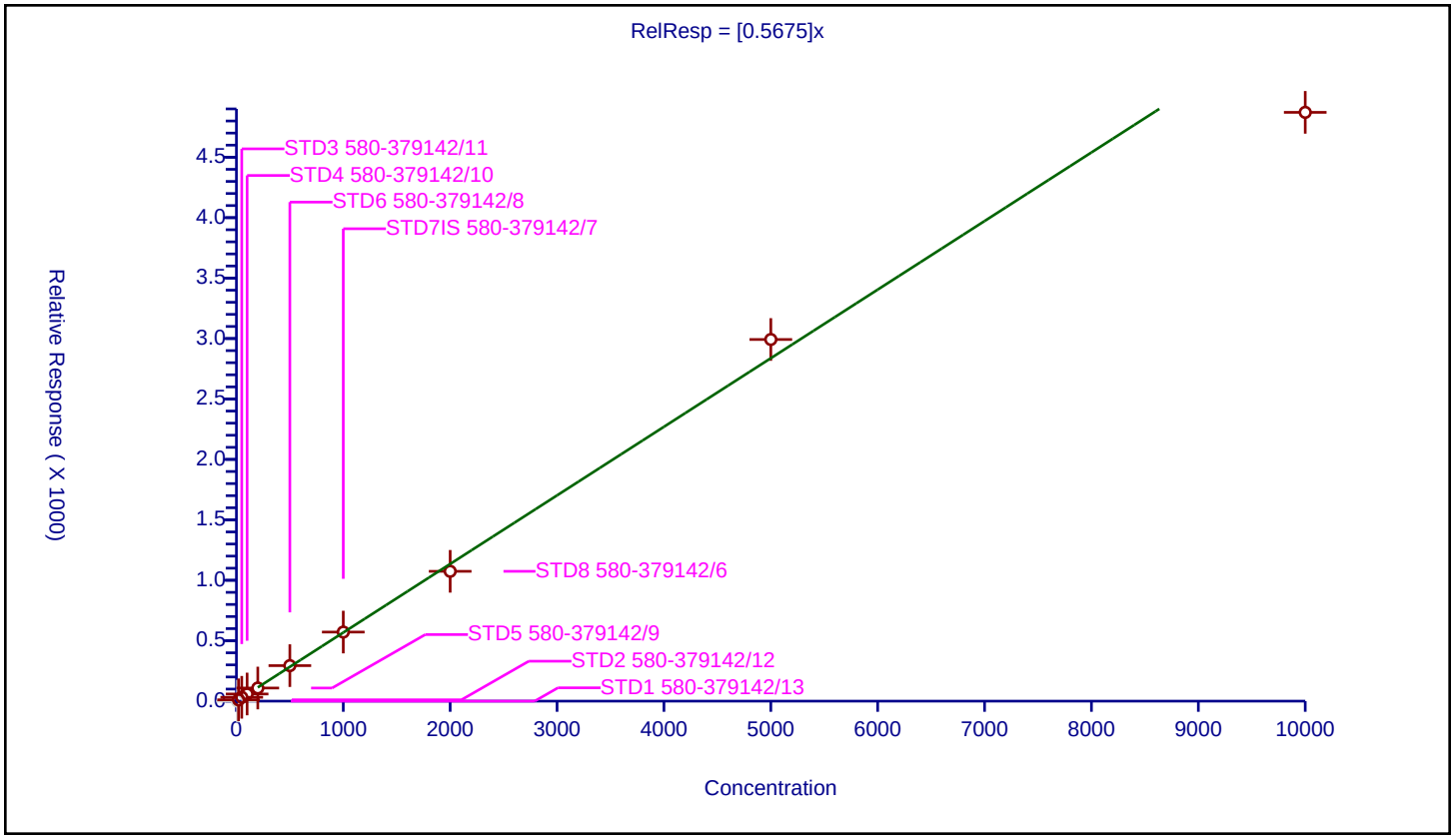
Curve Coefficients

Intercept:	0
Slope:	0.5675

Error Coefficients

Standard Error:	716000
Relative Standard Error:	7.5
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	0.0	100.0	28063.0	0.0	N
2	STD2 580-379142/12	20.0	11.118502	100.0	31569.0	0.555925	Y
3	STD3 580-379142/11	50.0	31.741291	100.0	33814.0	0.634826	Y
4	STD4 580-379142/10	100.0	59.13248	100.0	34443.0	0.591325	Y
5	STD5 580-379142/9	200.0	108.621996	100.0	32997.0	0.54311	Y
6	STD6 580-379142/8	500.0	293.832054	100.0	32296.0	0.587664	Y
7	STD7IS 580-379142/7	1000.0	571.583766	100.0	32770.0	0.571584	Y
8	STD8 580-379142/6	2000.0	1074.186512	100.0	33467.0	0.537093	Y
9	STD9 580-379142/5	5000.0	2992.083255	100.0	32046.0	0.598417	Y
10	STD10 580-379142/4	10000.0	4871.321473	100.0	35748.0	0.487132	Y



Calibration / Nitrobenzene-d5

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

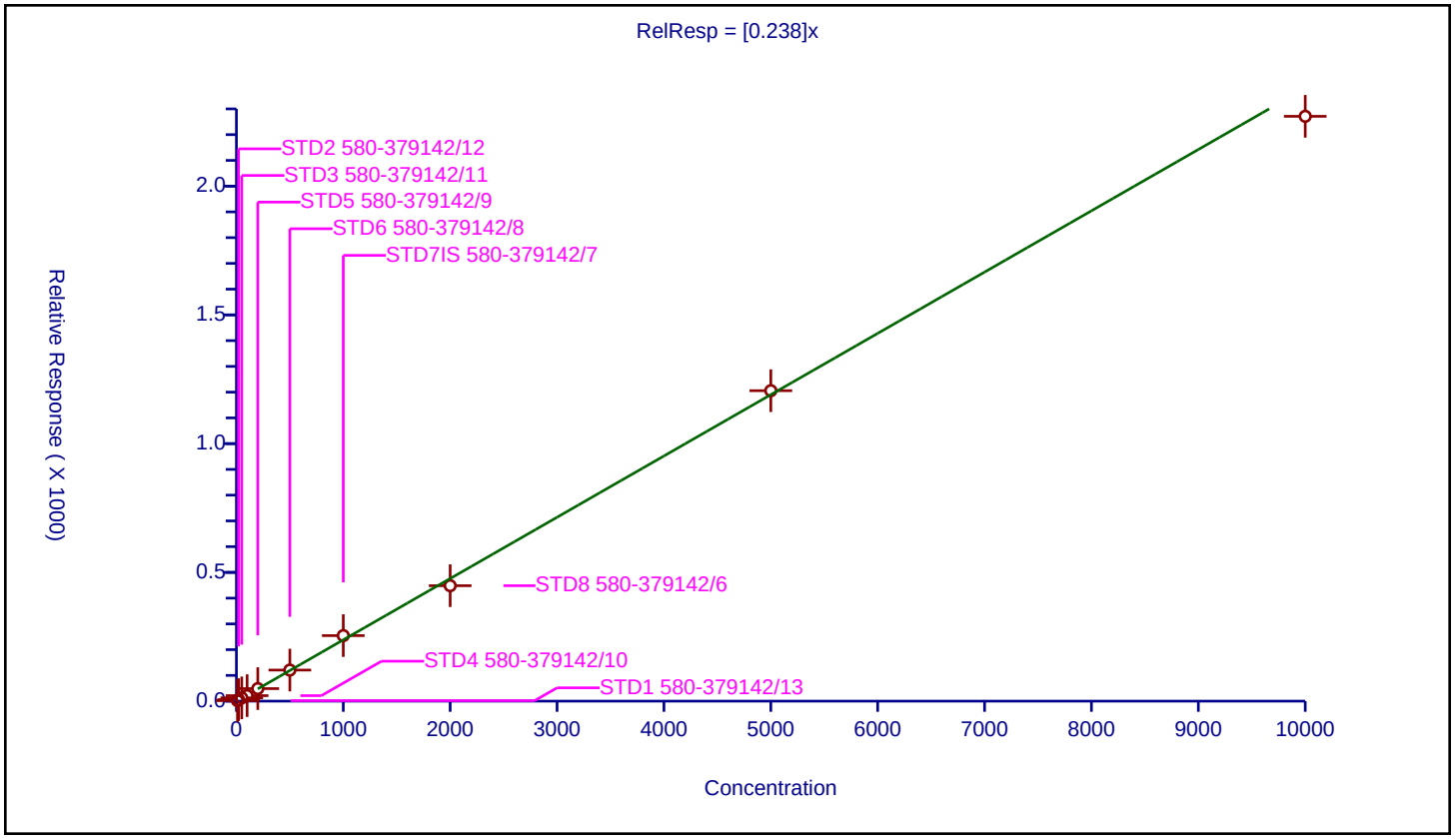
Curve Coefficients

Intercept:	0
Slope:	0.238

Error Coefficients

Standard Error:	1080000
Relative Standard Error:	10.8
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	1.932768	100.0	102392.0	0.193277	Y
2	STD2 580-379142/12	20.0	5.768634	100.0	109558.0	0.288432	Y
3	STD3 580-379142/11	50.0	12.646271	100.0	120154.0	0.252925	Y
4	STD4 580-379142/10	100.0	21.384604	100.0	126881.0	0.213846	Y
5	STD5 580-379142/9	200.0	48.706705	100.0	121550.0	0.243534	Y
6	STD6 580-379142/8	500.0	120.672425	100.0	117277.0	0.241345	Y
7	STD7IS 580-379142/7	1000.0	254.482747	100.0	118298.0	0.254483	Y
8	STD8 580-379142/6	2000.0	448.309826	100.0	129957.0	0.224155	Y
9	STD9 580-379142/5	5000.0	1205.694548	100.0	126226.0	0.241139	Y
10	STD10 580-379142/4	10000.0	2271.176706	100.0	122401.0	0.227118	Y



Calibration / Nitrobenzene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

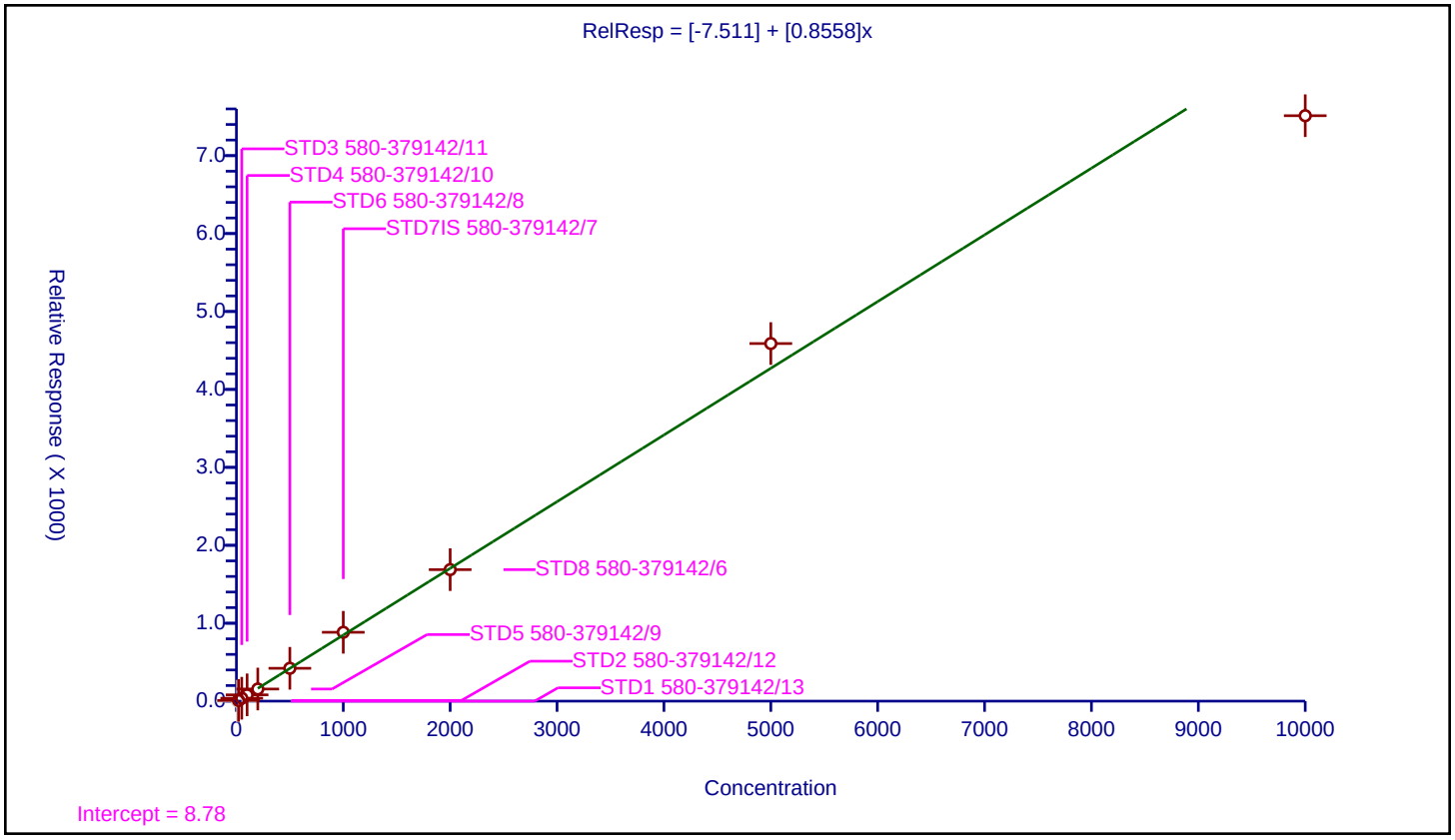
Curve Coefficients

Intercept:	-7.511
Slope:	0.8558

Error Coefficients

Standard Error:	1180000
Relative Standard Error:	6.3
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	0.0	100.0	28063.0	0.0	N
2	STD2 580-379142/12	20.0	9.221071	100.0	31569.0	0.461054	Y
3	STD3 580-379142/11	50.0	37.395753	100.0	33814.0	0.747915	Y
4	STD4 580-379142/10	100.0	80.814679	100.0	34443.0	0.808147	Y
5	STD5 580-379142/9	200.0	155.668697	100.0	32997.0	0.778343	Y
6	STD6 580-379142/8	500.0	421.643547	100.0	32296.0	0.843287	Y
7	STD7IS 580-379142/7	1000.0	883.622215	100.0	32770.0	0.883622	Y
8	STD8 580-379142/6	2000.0	1687.635581	100.0	33467.0	0.843818	Y
9	STD9 580-379142/5	5000.0	4588.831679	100.0	32046.0	0.917766	Y
10	STD10 580-379142/4	10000.0	7512.621685	100.0	35748.0	0.751262	Y



Calibration / Isophorone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

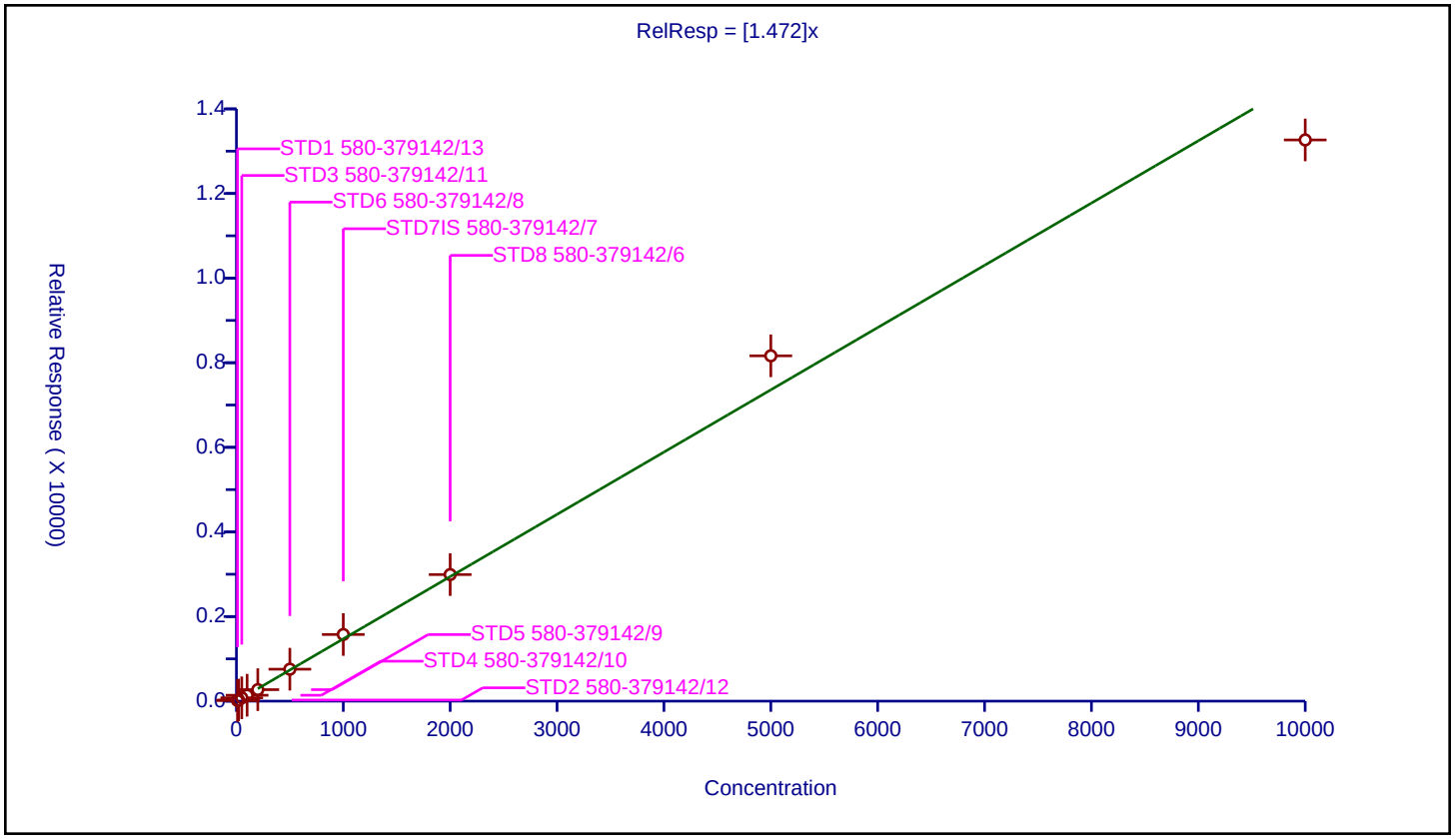
Curve Coefficients

Intercept:	0
Slope:	1.472

Error Coefficients

Standard Error:	1840000
Relative Standard Error:	7.7
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	15.32623	100.0	28063.0	1.532623	Y
2	STD2 580-379142/12	20.0	26.386645	100.0	31569.0	1.319332	Y
3	STD3 580-379142/11	50.0	78.50003	100.0	33814.0	1.570001	Y
4	STD4 580-379142/10	100.0	139.616177	100.0	34443.0	1.396162	Y
5	STD5 580-379142/9	200.0	271.642877	100.0	32997.0	1.358214	Y
6	STD6 580-379142/8	500.0	755.09351	100.0	32296.0	1.510187	Y
7	STD7IS 580-379142/7	1000.0	1575.691181	100.0	32770.0	1.575691	Y
8	STD8 580-379142/6	2000.0	2992.249081	100.0	33467.0	1.496125	Y
9	STD9 580-379142/5	5000.0	8162.778506	100.0	32046.0	1.632556	Y
10	STD10 580-379142/4	10000.0	13265.975719	100.0	35748.0	1.326598	Y



Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

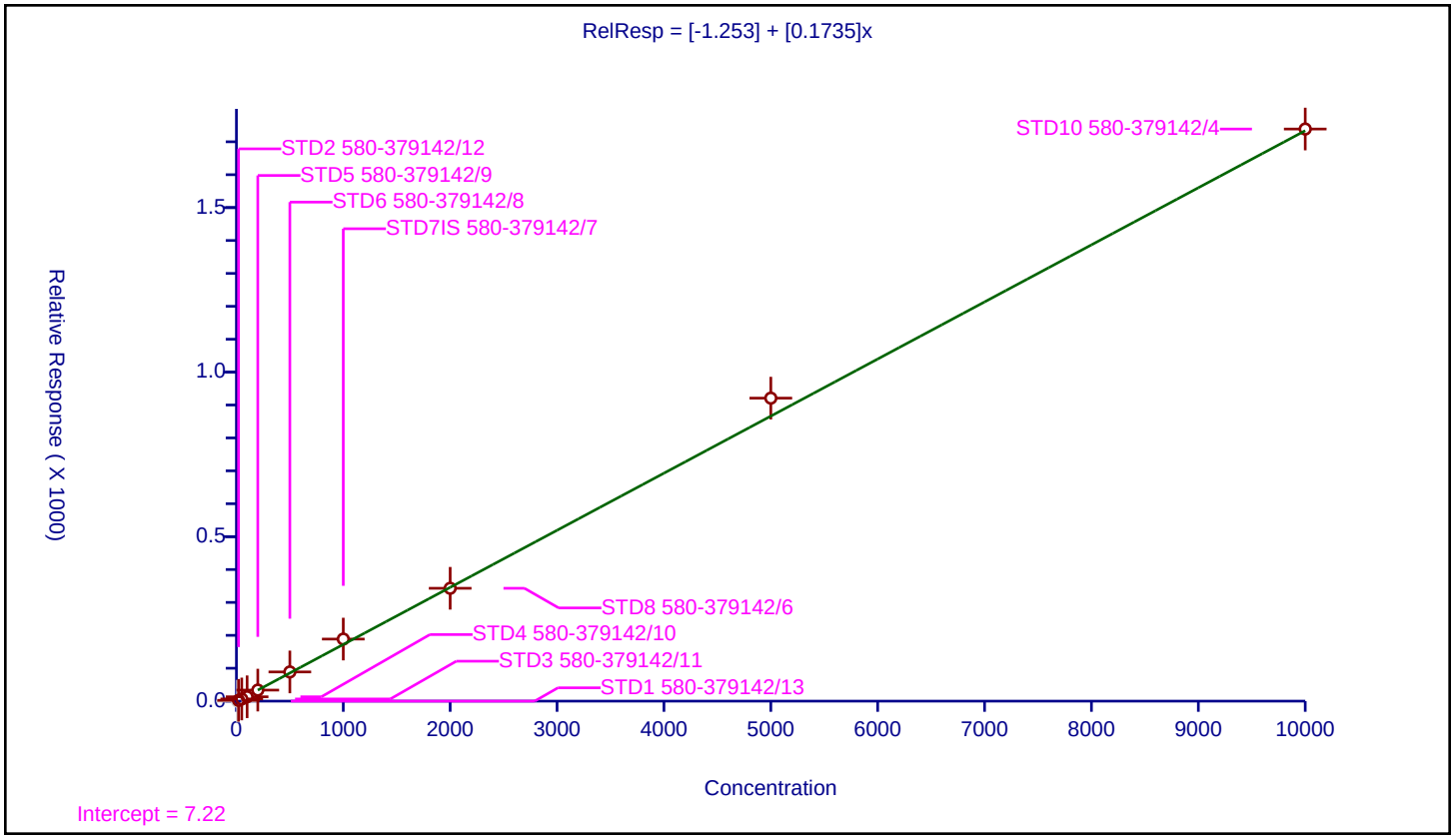
Curve Coefficients

Intercept:	-1.253
Slope:	0.1735

Error Coefficients

Standard Error:	936000
Relative Standard Error:	8.9
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	0.0	100.0	102392.0	0.0	N
2	STD2 580-379142/12	20.0	2.454408	100.0	109558.0	0.12272	Y
3	STD3 580-379142/11	50.0	6.562412	100.0	120154.0	0.131248	Y
4	STD4 580-379142/10	100.0	13.268338	100.0	126881.0	0.132683	Y
5	STD5 580-379142/9	200.0	33.578774	100.0	121550.0	0.167894	Y
6	STD6 580-379142/8	500.0	88.76506	100.0	117277.0	0.17753	Y
7	STD7IS 580-379142/7	1000.0	188.663376	100.0	118298.0	0.188663	Y
8	STD8 580-379142/6	2000.0	342.988835	100.0	129957.0	0.171494	Y
9	STD9 580-379142/5	5000.0	920.903776	100.0	126226.0	0.184181	Y
10	STD10 580-379142/4	10000.0	1738.771742	100.0	122401.0	0.173877	Y



Calibration / 2,4-Dimethylphenol

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

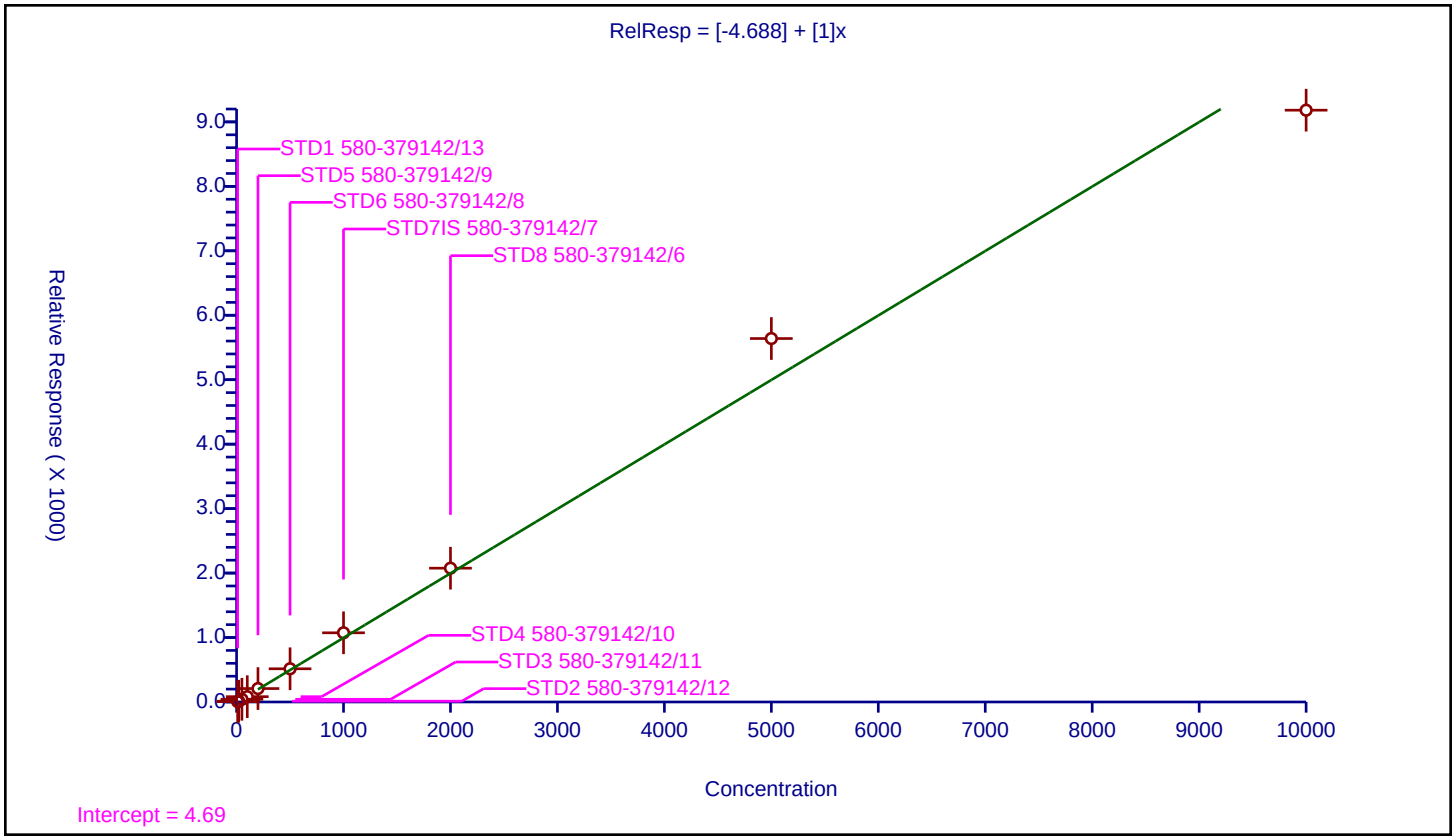
Curve Coefficients

Intercept:	-4.688
Slope:	1

Error Coefficients

Standard Error:	1350000
Relative Standard Error:	10.4
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	6.057799	100.0	28063.0	0.60578	Y
2	STD2 580-379142/12	20.0	12.249359	100.0	31569.0	0.612468	Y
3	STD3 580-379142/11	50.0	42.163009	100.0	33814.0	0.84326	Y
4	STD4 580-379142/10	100.0	82.539268	100.0	34443.0	0.825393	Y
5	STD5 580-379142/9	200.0	208.358336	100.0	32997.0	1.041792	Y
6	STD6 580-379142/8	500.0	515.429155	100.0	32296.0	1.030858	Y
7	STD7IS 580-379142/7	1000.0	1073.558132	100.0	32770.0	1.073558	Y
8	STD8 580-379142/6	2000.0	2075.931515	100.0	33467.0	1.037966	Y
9	STD9 580-379142/5	5000.0	5639.168695	100.0	32046.0	1.127834	Y
10	STD10 580-379142/4	10000.0	9181.626944	100.0	35748.0	0.918163	Y



Calibration / Benzoic acid

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

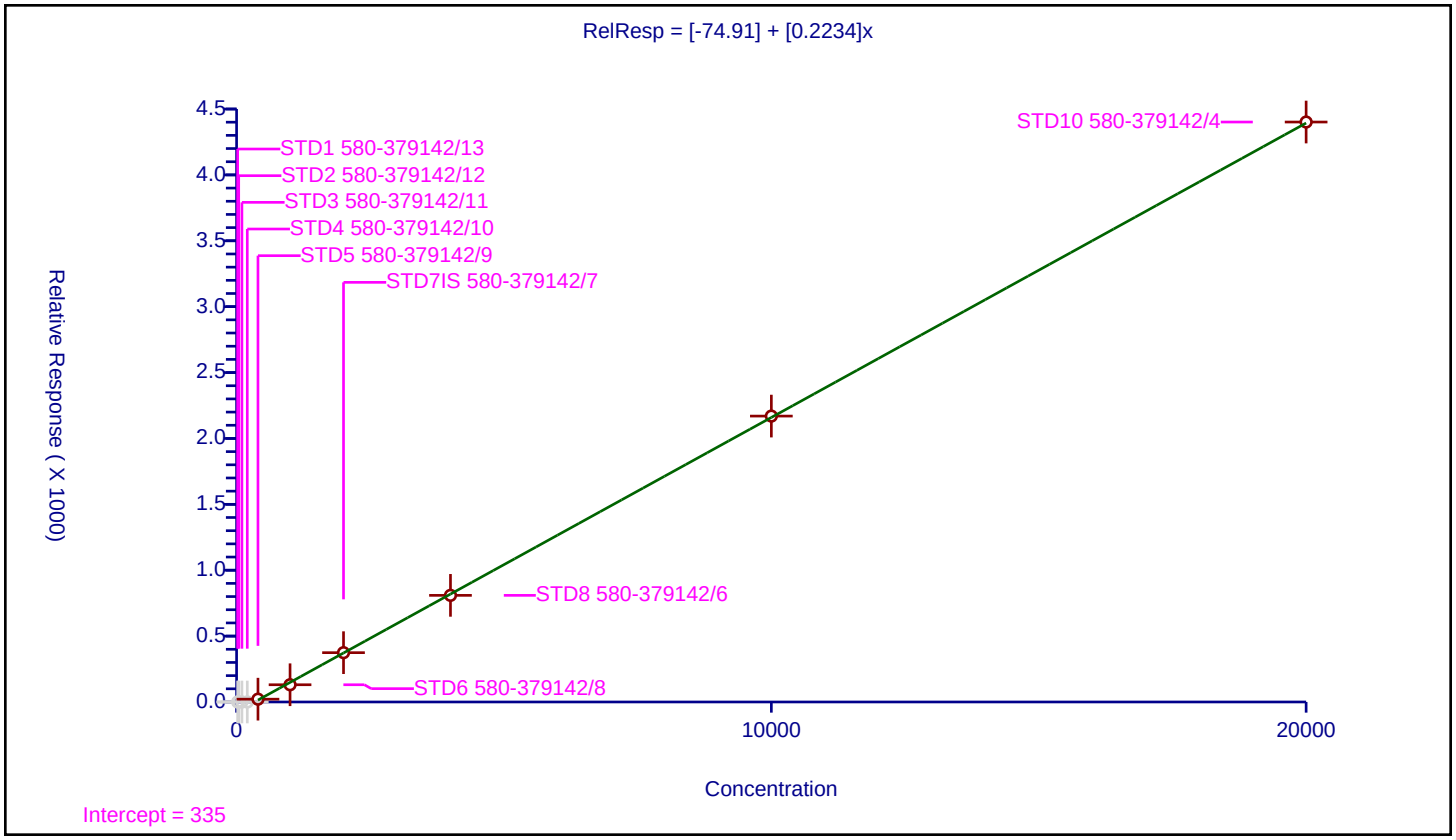
Curve Coefficients

Intercept:	-74.91
Slope:	0.2234

Error Coefficients

Standard Error:	3070000
Relative Standard Error:	5.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	20.0	0.0	100.0	102392.0	0.0	N
2	STD2 580-379142/12	40.0	0.0	100.0	109558.0	0.0	N
3	STD3 580-379142/11	100.0	0.0	100.0	120154.0	0.0	N
4	STD4 580-379142/10	200.0	0.0	100.0	126881.0	0.0	N
5	STD5 580-379142/9	400.0	21.438914	100.0	121550.0	0.053597	Y
6	STD6 580-379142/8	1000.0	130.925928	100.0	117277.0	0.130926	Y
7	STD7IS 580-379142/7	2000.0	374.201593	100.0	118298.0	0.187101	Y
8	STD8 580-379142/6	4000.0	809.215356	100.0	129957.0	0.202304	Y
9	STD9 580-379142/5	10000.0	2169.698794	100.0	126226.0	0.21697	Y
10	STD10 580-379142/4	20000.0	4401.205056	100.0	122401.0	0.22006	Y



Calibration / Bis(2-chloroethoxy)methane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

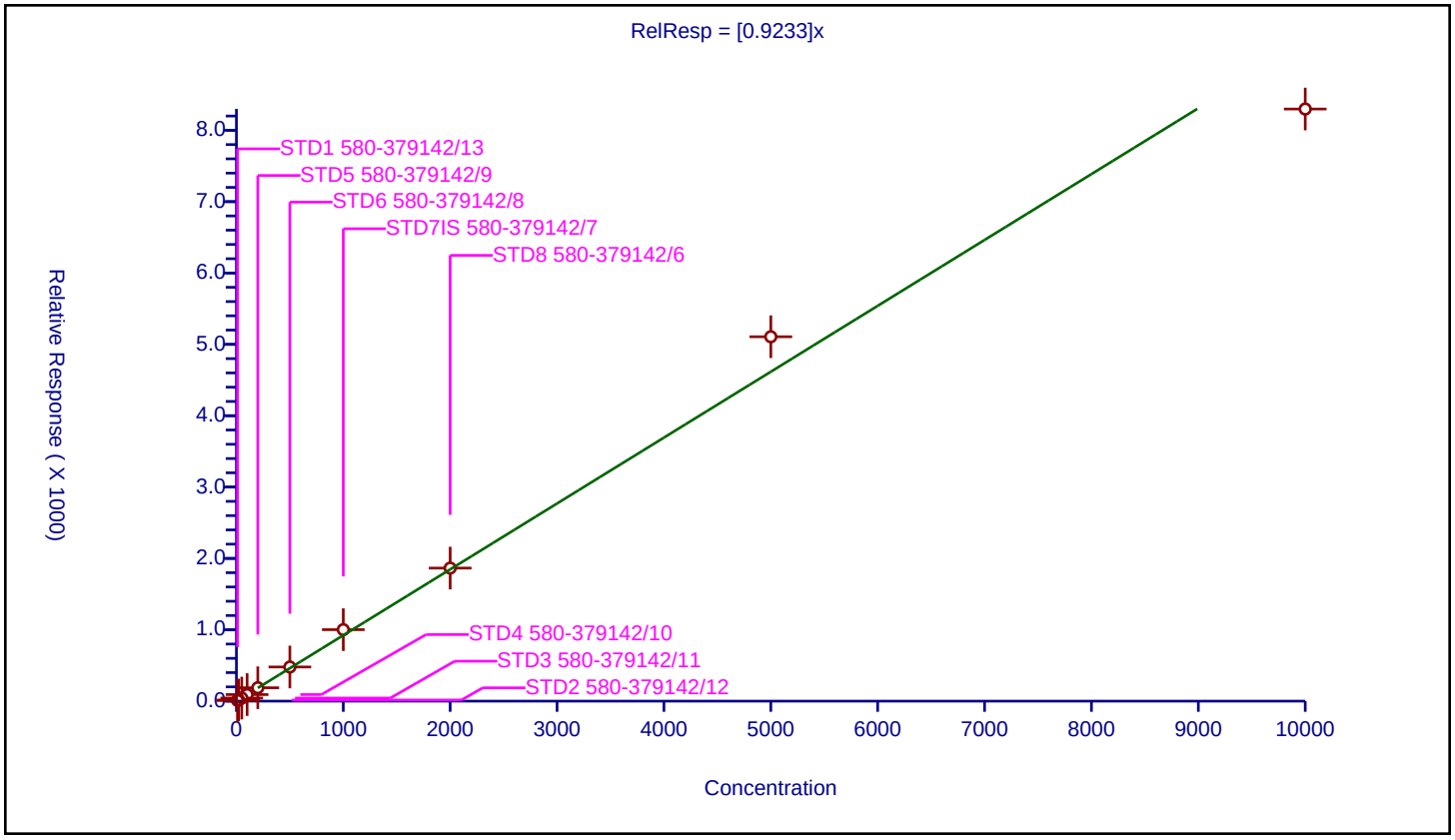
Curve Coefficients

Intercept:	0
Slope:	0.9233

Error Coefficients

Standard Error:	1150000
Relative Standard Error:	8.8
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	9.977551	100.0	28063.0	0.997755	Y
2	STD2 580-379142/12	20.0	15.369508	100.0	31569.0	0.768475	Y
3	STD3 580-379142/11	50.0	43.227657	100.0	33814.0	0.864553	Y
4	STD4 580-379142/10	100.0	92.129025	100.0	34443.0	0.92129	Y
5	STD5 580-379142/9	200.0	187.723126	100.0	32997.0	0.938616	Y
6	STD6 580-379142/8	500.0	478.551523	100.0	32296.0	0.957103	Y
7	STD7IS 580-379142/7	1000.0	1001.742447	100.0	32770.0	1.001742	Y
8	STD8 580-379142/6	2000.0	1864.574058	100.0	33467.0	0.932287	Y
9	STD9 580-379142/5	5000.0	5106.624852	100.0	32046.0	1.021325	Y
10	STD10 580-379142/4	10000.0	8297.980307	100.0	35748.0	0.829798	Y



Calibration / 2,4-Dichlorophenol

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

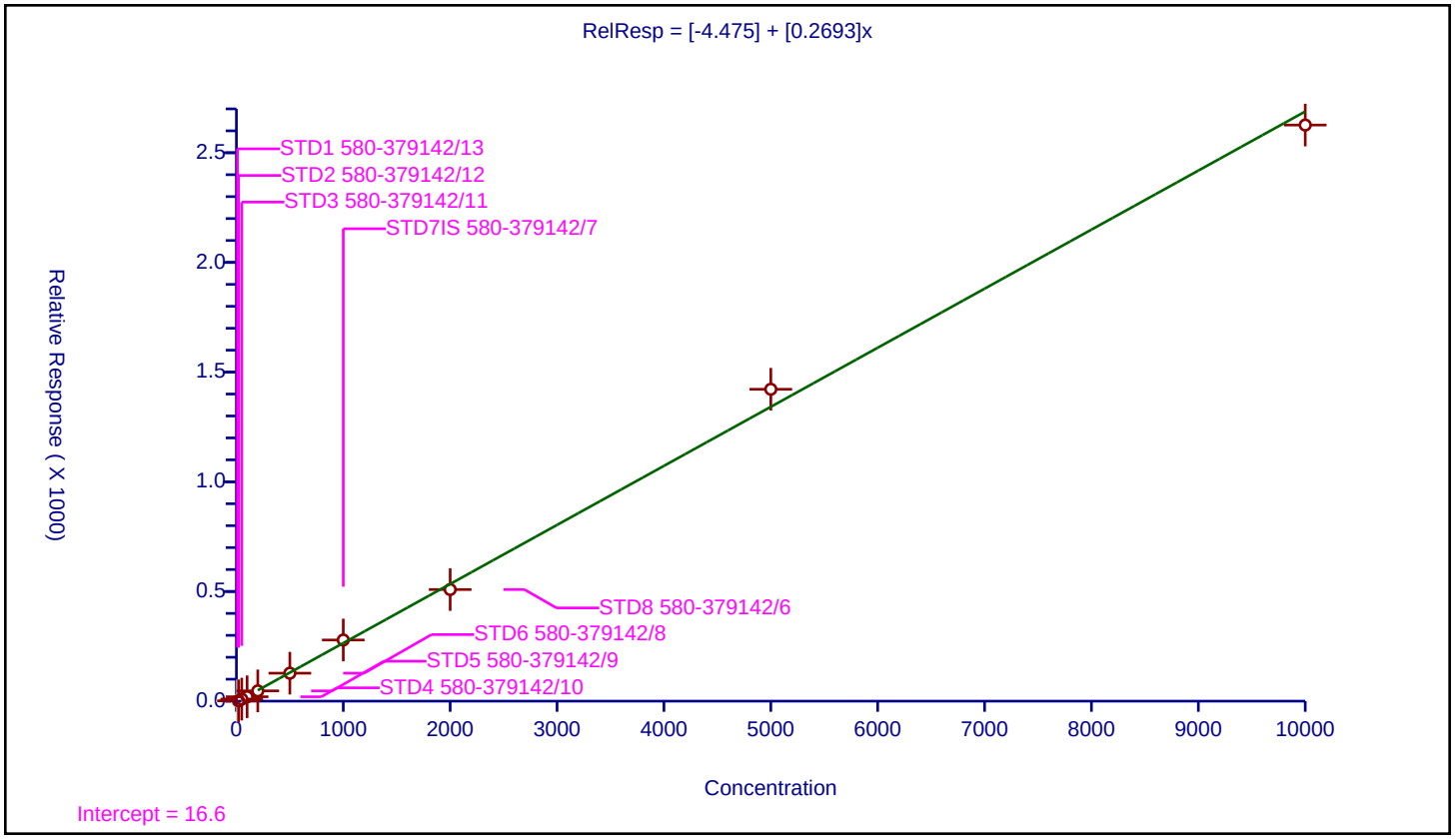
Curve Coefficients

Intercept:	-4.475
Slope:	0.2693

Error Coefficients

Standard Error:	1420000
Relative Standard Error:	6.6
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	0.981522	100.0	102392.0	0.098152	N
2	STD2 580-379142/12	20.0	1.438507	100.0	109558.0	0.071925	Y
3	STD3 580-379142/11	50.0	9.274764	100.0	120154.0	0.185495	Y
4	STD4 580-379142/10	100.0	19.947037	100.0	126881.0	0.19947	Y
5	STD5 580-379142/9	200.0	46.798026	100.0	121550.0	0.23399	Y
6	STD6 580-379142/8	500.0	127.440163	100.0	117277.0	0.25488	Y
7	STD7IS 580-379142/7	1000.0	278.716462	100.0	118298.0	0.278716	Y
8	STD8 580-379142/6	2000.0	508.821379	100.0	129957.0	0.254411	Y
9	STD9 580-379142/5	5000.0	1421.784735	100.0	126226.0	0.284357	Y
10	STD10 580-379142/4	10000.0	2626.27021	100.0	122401.0	0.262627	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

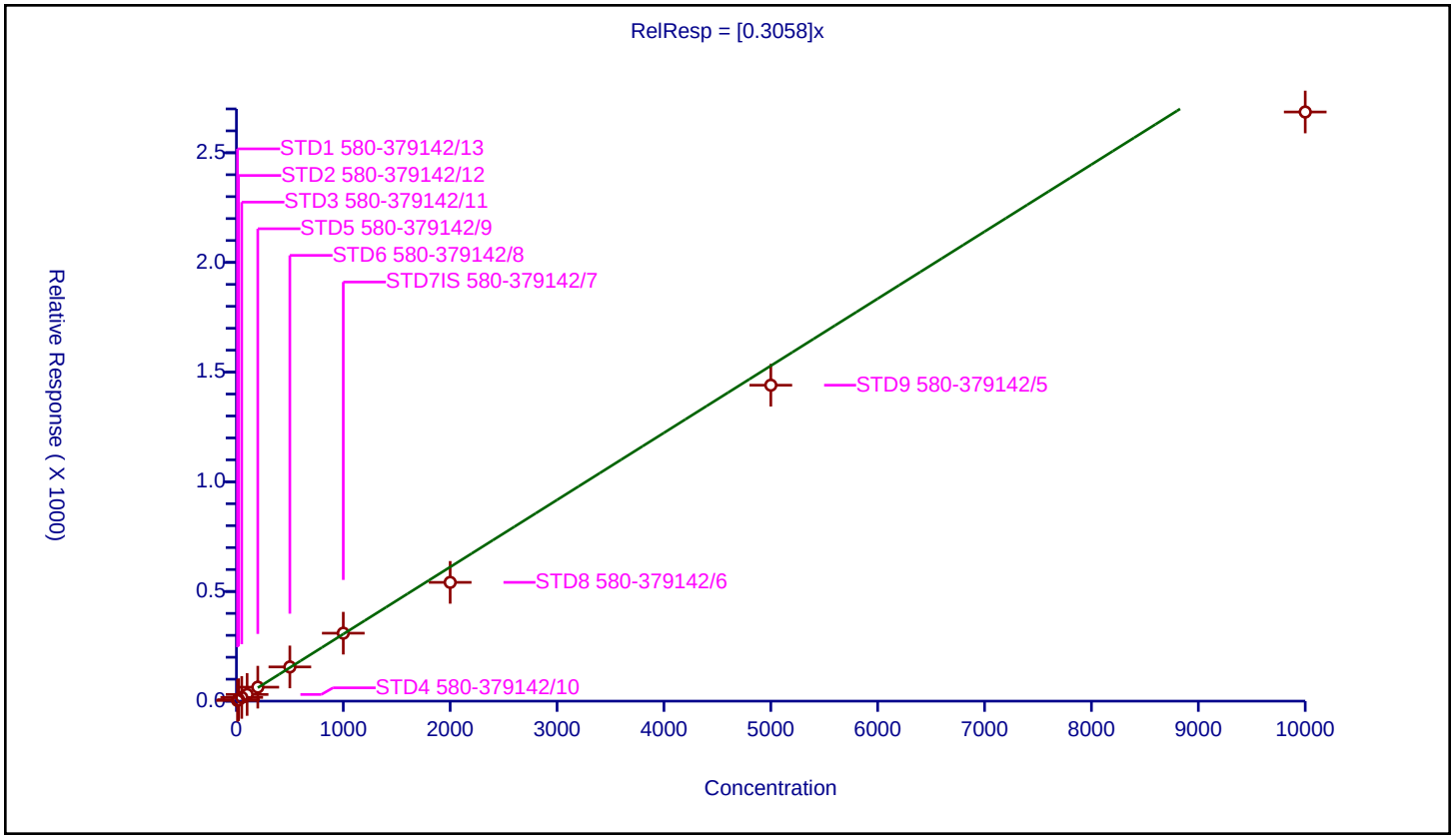
Curve Coefficients

Intercept:	0
Slope:	0.3058

Error Coefficients

Standard Error:	1280000
Relative Standard Error:	7.9
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	3.108641	100.0	102392.0	0.310864	Y
2	STD2 580-379142/12	20.0	6.74346	100.0	109558.0	0.337173	Y
3	STD3 580-379142/11	50.0	16.900811	100.0	120154.0	0.338016	Y
4	STD4 580-379142/10	100.0	30.414325	100.0	126881.0	0.304143	Y
5	STD5 580-379142/9	200.0	63.712053	100.0	121550.0	0.31856	Y
6	STD6 580-379142/8	500.0	155.973465	100.0	117277.0	0.311947	Y
7	STD7IS 580-379142/7	1000.0	309.817579	100.0	118298.0	0.309818	Y
8	STD8 580-379142/6	2000.0	541.510654	100.0	129957.0	0.270755	Y
9	STD9 580-379142/5	5000.0	1440.413227	100.0	126226.0	0.288083	Y
10	STD10 580-379142/4	10000.0	2685.881651	100.0	122401.0	0.268588	Y



Calibration / Naphthalene

Curve Type:	Quadratic
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

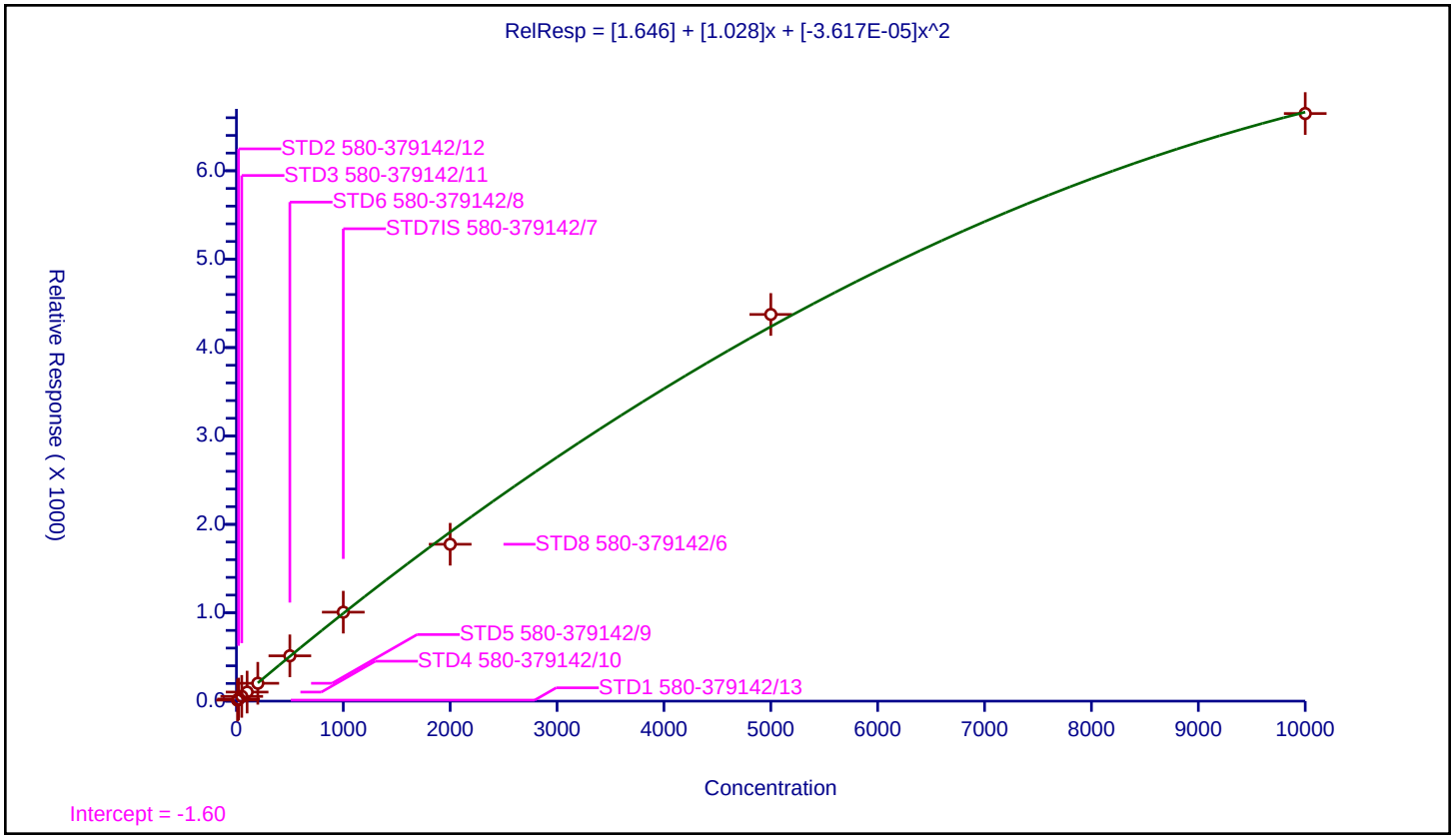
Curve Coefficients

Intercept:	1.646
Slope:	1.028
Second Order:	-3.617E-05

Error Coefficients

Standard Error:	3850000
Relative Standard Error:	4.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	11.572193	100.0	102392.0	1.157219	Y
2	STD2 580-379142/12	20.0	23.535479	100.0	109558.0	1.176774	Y
3	STD3 580-379142/11	50.0	53.832582	100.0	120154.0	1.076652	Y
4	STD4 580-379142/10	100.0	102.663913	100.0	126881.0	1.026639	Y
5	STD5 580-379142/9	200.0	202.069107	100.0	121550.0	1.010346	Y
6	STD6 580-379142/8	500.0	512.74504	100.0	117277.0	1.02549	Y
7	STD7IS 580-379142/7	1000.0	1006.607889	100.0	118298.0	1.006608	Y
8	STD8 580-379142/6	2000.0	1774.837831	100.0	129957.0	0.887419	Y
9	STD9 580-379142/5	5000.0	4374.410977	100.0	126226.0	0.874882	Y
10	STD10 580-379142/4	10000.0	6647.57069	100.0	122401.0	0.664757	Y



Calibration / 2,6-Dichlorophenol

Curve Type:	Quadratic
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

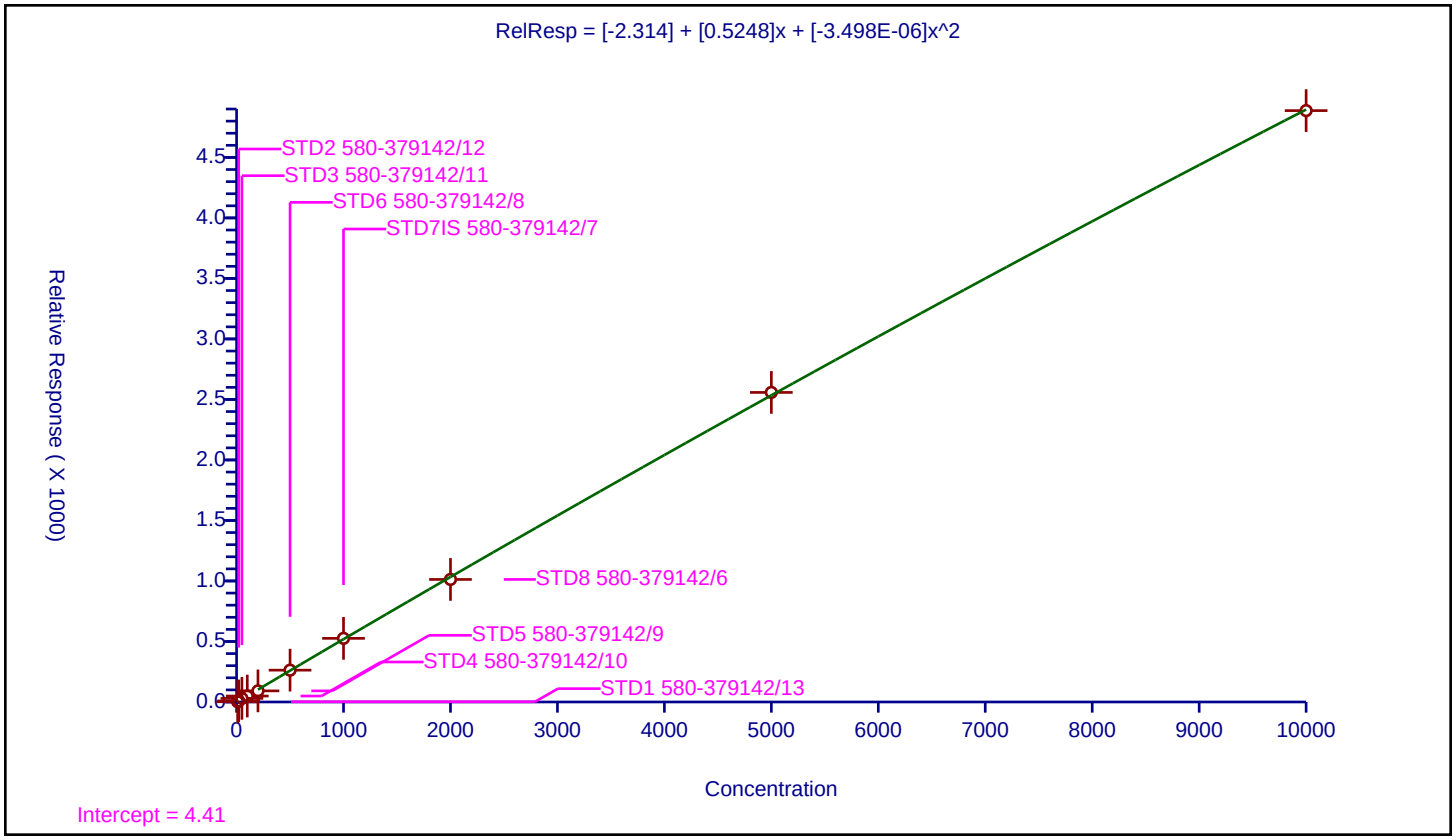
Curve Coefficients

Intercept:	-2.314
Slope:	0.5248
Second Order:	-3.498E-06

Error Coefficients

Standard Error:	1410000
Relative Standard Error:	12.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	1.865519	100.0	41597.0	0.186552	Y
2	STD2 580-379142/12	20.0	9.028176	100.0	50575.0	0.451409	Y
3	STD3 580-379142/11	50.0	29.762563	100.0	54246.0	0.595251	Y
4	STD4 580-379142/10	100.0	49.348486	100.0	57635.0	0.493485	Y
5	STD5 580-379142/9	200.0	91.840908	100.0	60644.0	0.459205	Y
6	STD6 580-379142/8	500.0	263.071072	100.0	63105.0	0.526142	Y
7	STD7IS 580-379142/7	1000.0	525.91827	100.0	65313.0	0.525918	Y
8	STD8 580-379142/6	2000.0	1012.755056	100.0	65966.0	0.506378	Y
9	STD9 580-379142/5	5000.0	2558.056351	100.0	69529.0	0.511611	Y
10	STD10 580-379142/4	10000.0	4886.844233	100.0	65553.0	0.488684	Y



Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

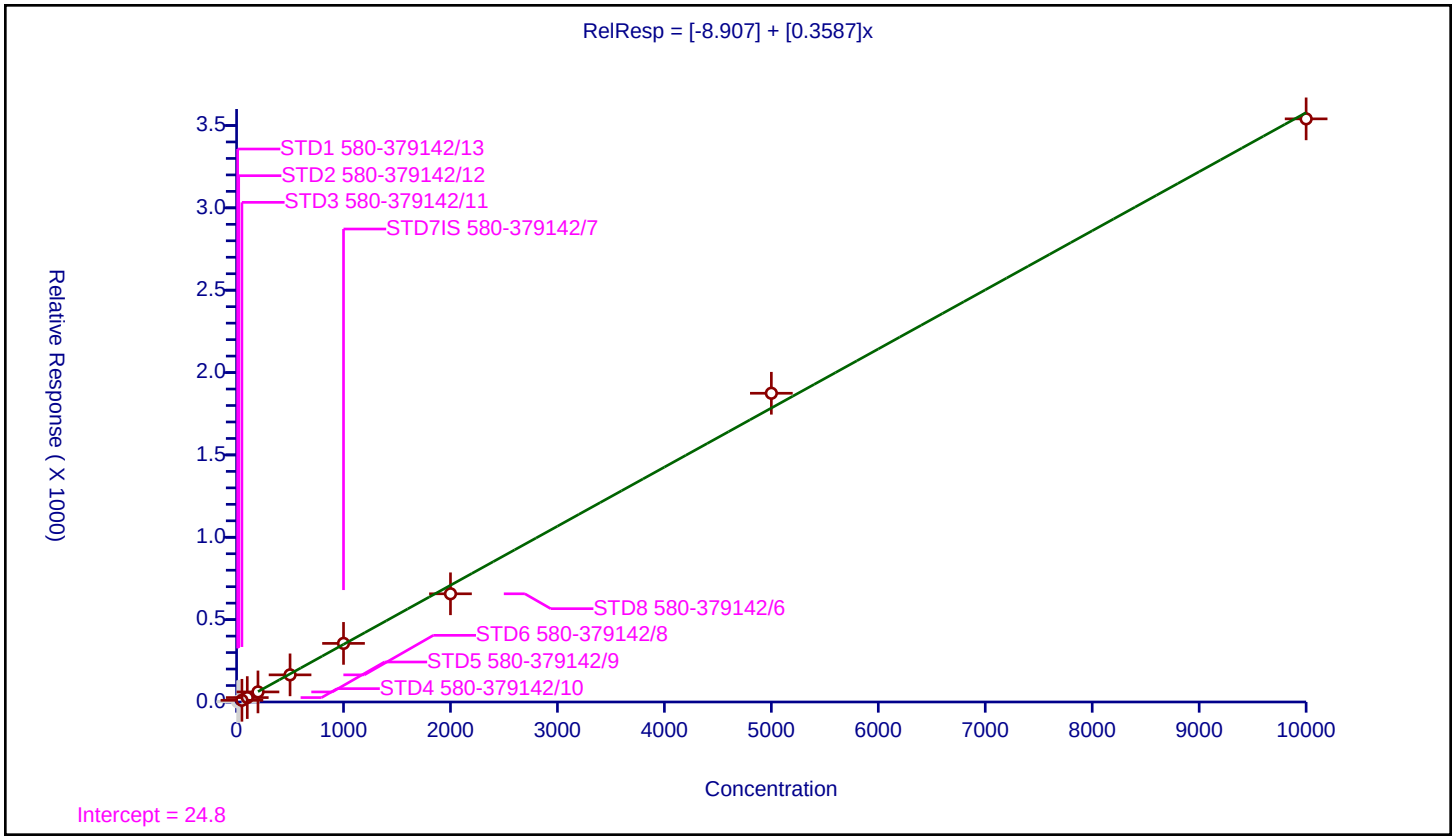
Curve Coefficients

Intercept:	-8.907
Slope:	0.3587

Error Coefficients

Standard Error:	2050000
Relative Standard Error:	5.0
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	1.163177	100.0	102392.0	0.116318	N
2	STD2 580-379142/12	20.0	4.400409	100.0	109558.0	0.22002	N
3	STD3 580-379142/11	50.0	10.360038	100.0	120154.0	0.207201	Y
4	STD4 580-379142/10	100.0	26.840898	100.0	126881.0	0.268409	Y
5	STD5 580-379142/9	200.0	61.159194	100.0	121550.0	0.305796	Y
6	STD6 580-379142/8	500.0	164.759501	100.0	117277.0	0.329519	Y
7	STD7IS 580-379142/7	1000.0	355.792997	100.0	118298.0	0.355793	Y
8	STD8 580-379142/6	2000.0	656.852651	100.0	129957.0	0.328426	Y
9	STD9 580-379142/5	5000.0	1874.346014	100.0	126226.0	0.374869	Y
10	STD10 580-379142/4	10000.0	3540.209639	100.0	122401.0	0.354021	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

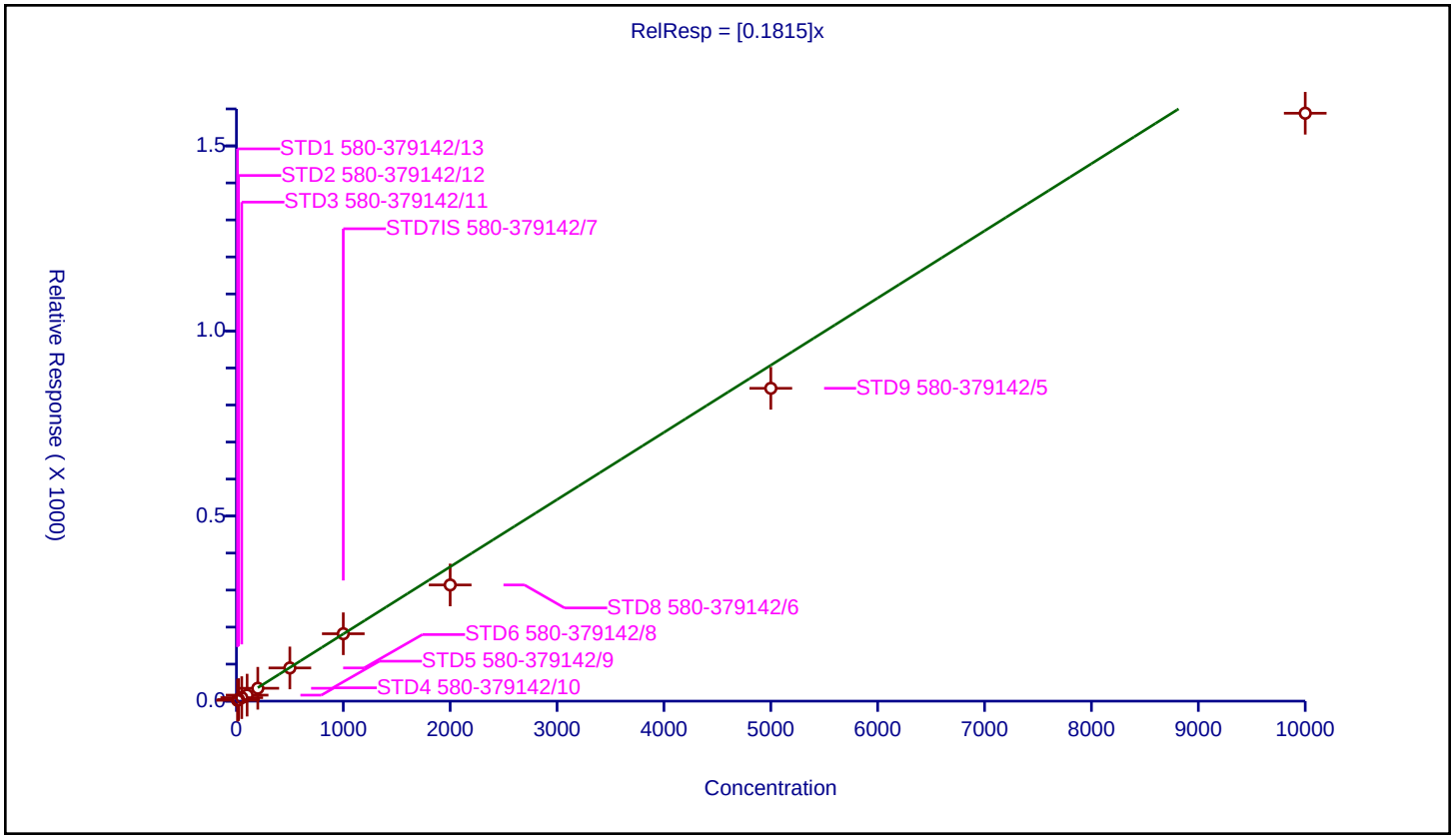
Curve Coefficients

Intercept:	0
Slope:	0.1815

Error Coefficients

Standard Error:	755000
Relative Standard Error:	13.3
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.975

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	2.319517	100.0	102392.0	0.231952	Y
2	STD2 580-379142/12	20.0	4.230636	100.0	109558.0	0.211532	Y
3	STD3 580-379142/11	50.0	9.467017	100.0	120154.0	0.18934	Y
4	STD4 580-379142/10	100.0	16.196278	100.0	126881.0	0.161963	Y
5	STD5 580-379142/9	200.0	34.788153	100.0	121550.0	0.173941	Y
6	STD6 580-379142/8	500.0	89.685957	100.0	117277.0	0.179372	Y
7	STD7IS 580-379142/7	1000.0	182.094372	100.0	118298.0	0.182094	Y
8	STD8 580-379142/6	2000.0	313.899213	100.0	129957.0	0.15695	Y
9	STD9 580-379142/5	5000.0	845.166606	100.0	126226.0	0.169033	Y
10	STD10 580-379142/4	10000.0	1588.280325	100.0	122401.0	0.158828	Y



Calibration / 4-Chloro-3-methylphenol

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

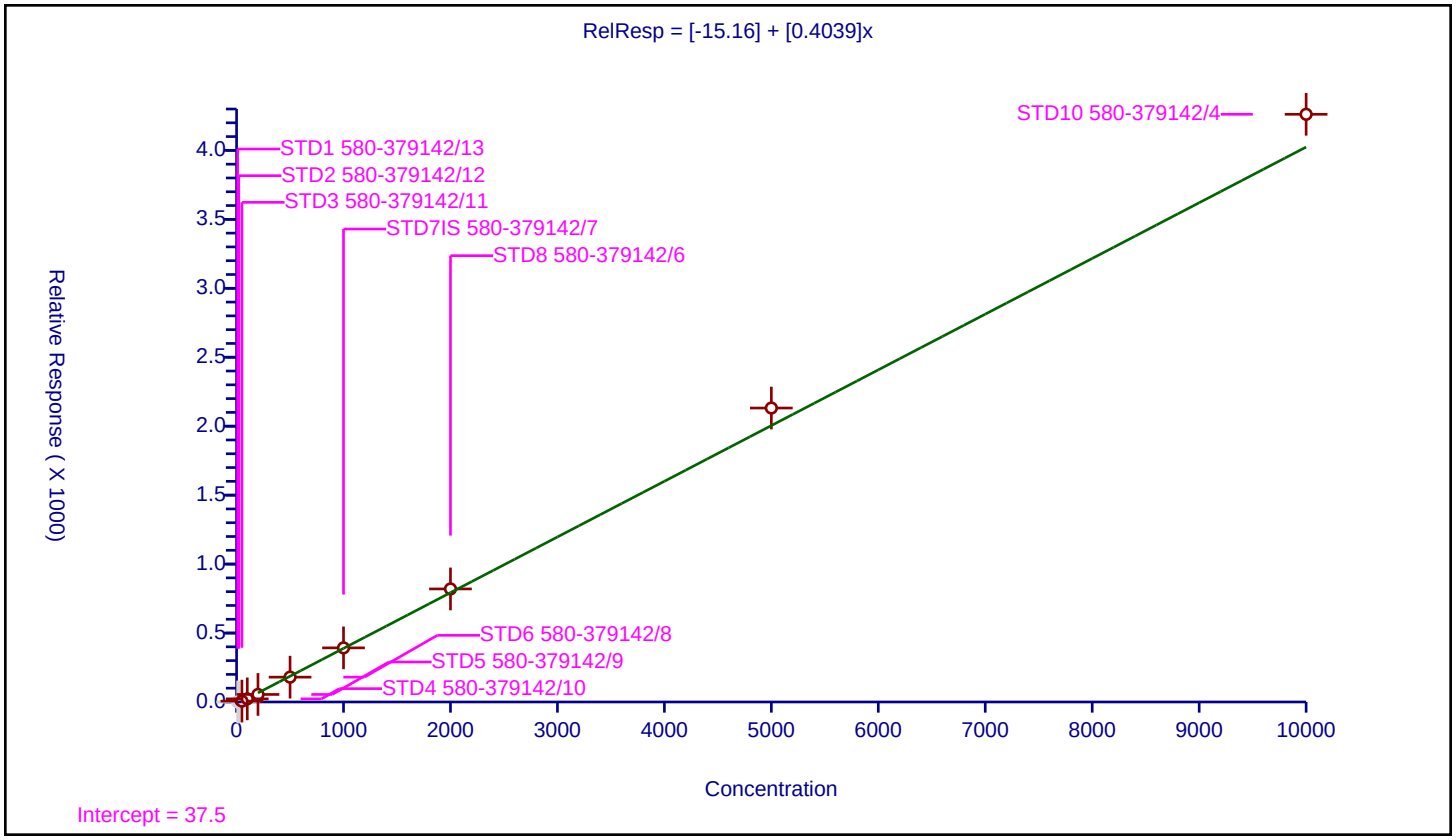
Curve Coefficients

Intercept:	-15.16
Slope:	0.4039

Error Coefficients

Standard Error:	1310000
Relative Standard Error:	7.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	0.0	100.0	41597.0	0.0	N
2	STD2 580-379142/12	20.0	0.0	100.0	50575.0	0.0	N
3	STD3 580-379142/11	50.0	6.358072	100.0	54246.0	0.127161	Y
4	STD4 580-379142/10	100.0	22.800382	100.0	57635.0	0.228004	Y
5	STD5 580-379142/9	200.0	54.612163	100.0	60644.0	0.273061	Y
6	STD6 580-379142/8	500.0	180.106172	100.0	63105.0	0.360212	Y
7	STD7IS 580-379142/7	1000.0	392.488479	100.0	65313.0	0.392488	Y
8	STD8 580-379142/6	2000.0	819.758664	100.0	65966.0	0.409879	Y
9	STD9 580-379142/5	5000.0	2131.673115	100.0	69529.0	0.426335	Y
10	STD10 580-379142/4	10000.0	4261.676811	100.0	65553.0	0.426168	Y



Calibration / 2-Methylnaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

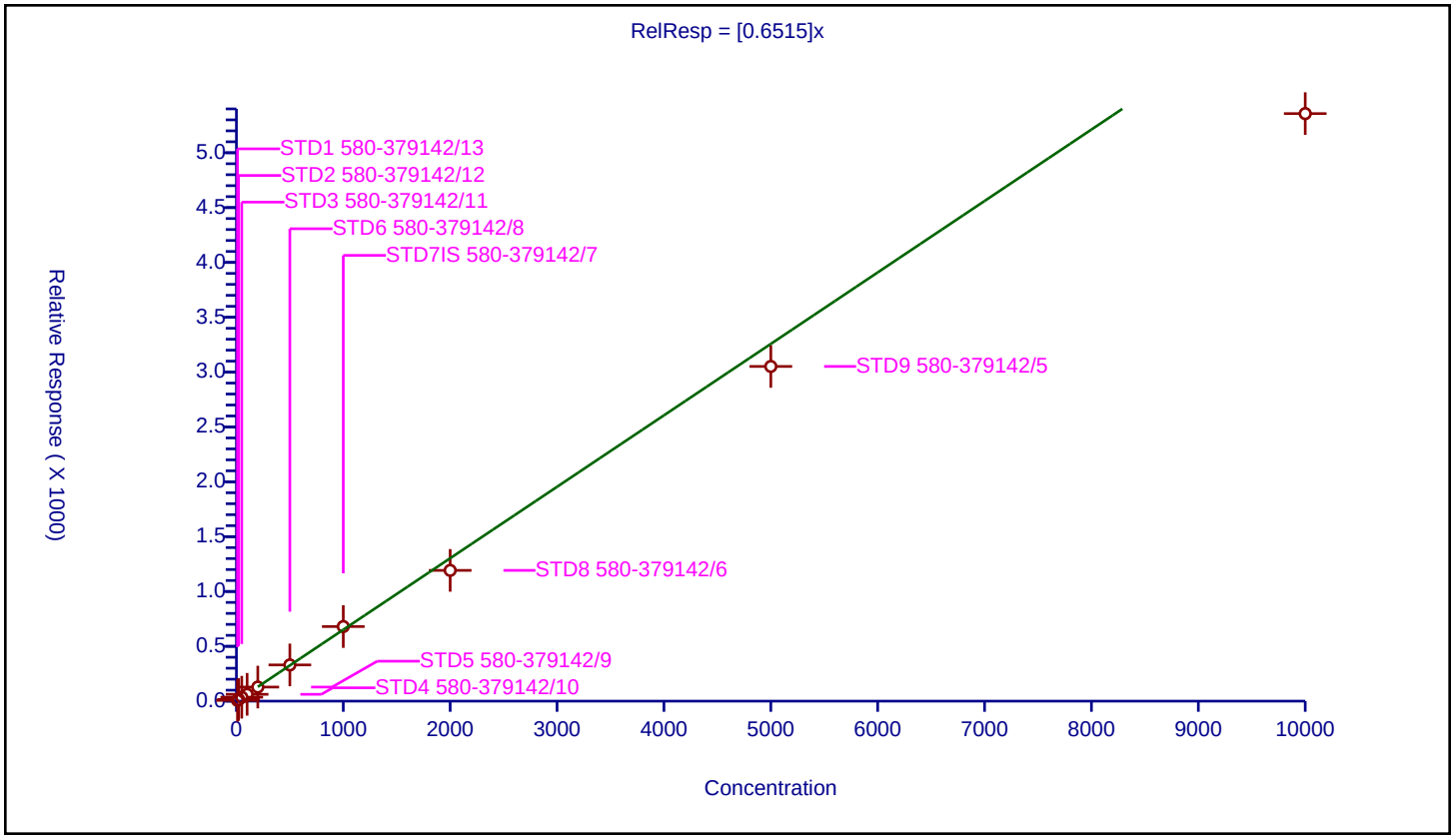
Curve Coefficients

Intercept:	0
Slope:	0.6515

Error Coefficients

Standard Error:	2600000
Relative Standard Error:	9.9
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	6.965388	100.0	102392.0	0.696539	Y
2	STD2 580-379142/12	20.0	15.130798	100.0	109558.0	0.75654	Y
3	STD3 580-379142/11	50.0	35.803219	100.0	120154.0	0.716064	Y
4	STD4 580-379142/10	100.0	62.196862	100.0	126881.0	0.621969	Y
5	STD5 580-379142/9	200.0	128.281366	100.0	121550.0	0.641407	Y
6	STD6 580-379142/8	500.0	330.031464	100.0	117277.0	0.660063	Y
7	STD7IS 580-379142/7	1000.0	679.966694	100.0	118298.0	0.679967	Y
8	STD8 580-379142/6	2000.0	1192.173565	100.0	129957.0	0.596087	Y
9	STD9 580-379142/5	5000.0	3051.666059	100.0	126226.0	0.610333	Y
10	STD10 580-379142/4	10000.0	5356.996266	100.0	122401.0	0.5357	Y



Calibration / 1-Methylnaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

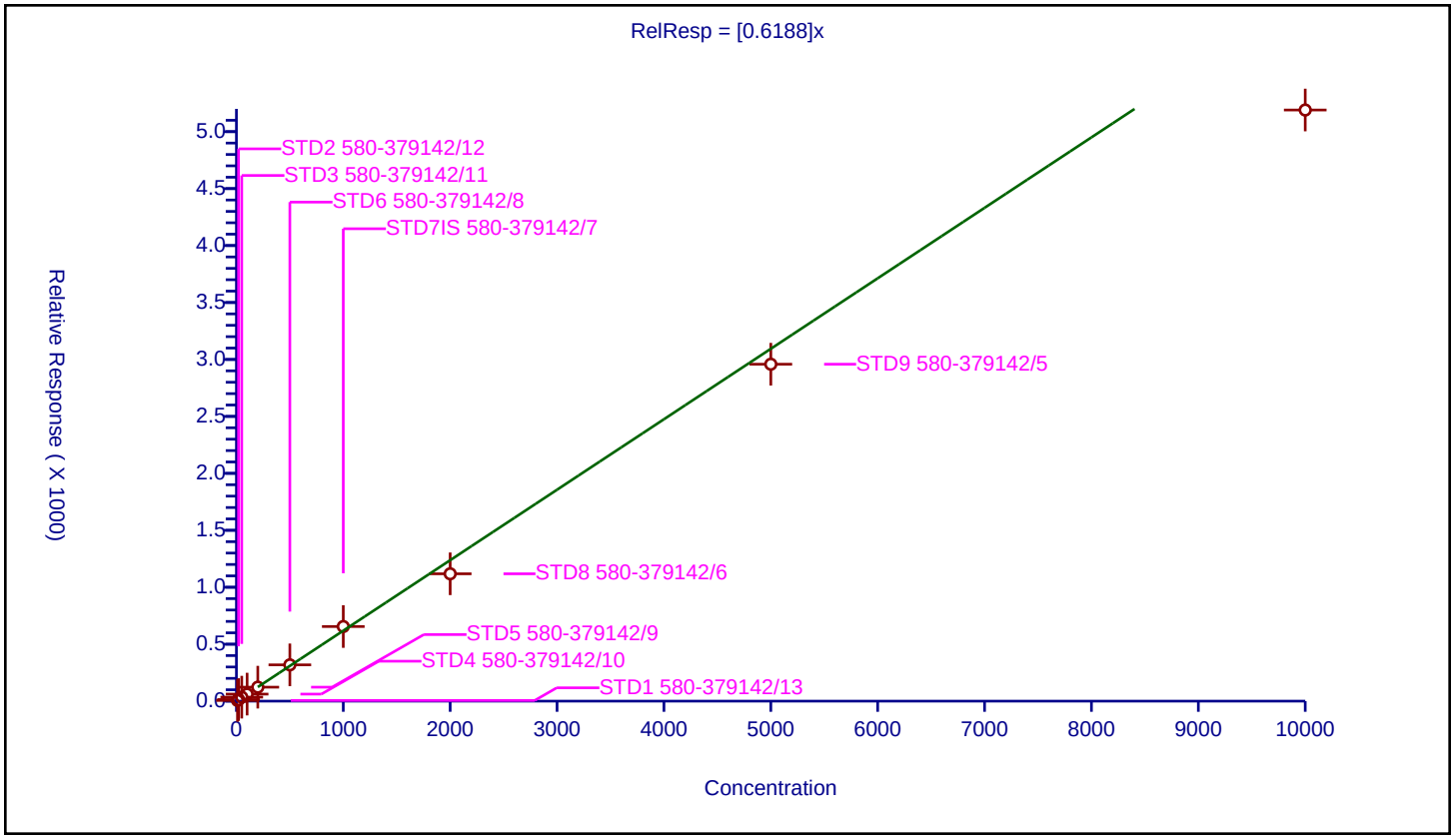
Curve Coefficients

Intercept:	0
Slope:	0.6188

Error Coefficients

Standard Error:	2520000
Relative Standard Error:	8.9
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	6.076647	100.0	102392.0	0.607665	Y
2	STD2 580-379142/12	20.0	13.810037	100.0	109558.0	0.690502	Y
3	STD3 580-379142/11	50.0	34.847779	100.0	120154.0	0.696956	Y
4	STD4 580-379142/10	100.0	61.745257	100.0	126881.0	0.617453	Y
5	STD5 580-379142/9	200.0	122.558618	100.0	121550.0	0.612793	Y
6	STD6 580-379142/8	500.0	318.609787	100.0	117277.0	0.63722	Y
7	STD7IS 580-379142/7	1000.0	655.224095	100.0	118298.0	0.655224	Y
8	STD8 580-379142/6	2000.0	1118.207561	100.0	129957.0	0.559104	Y
9	STD9 580-379142/5	5000.0	2958.297023	100.0	126226.0	0.591659	Y
10	STD10 580-379142/4	10000.0	5190.084231	100.0	122401.0	0.519008	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

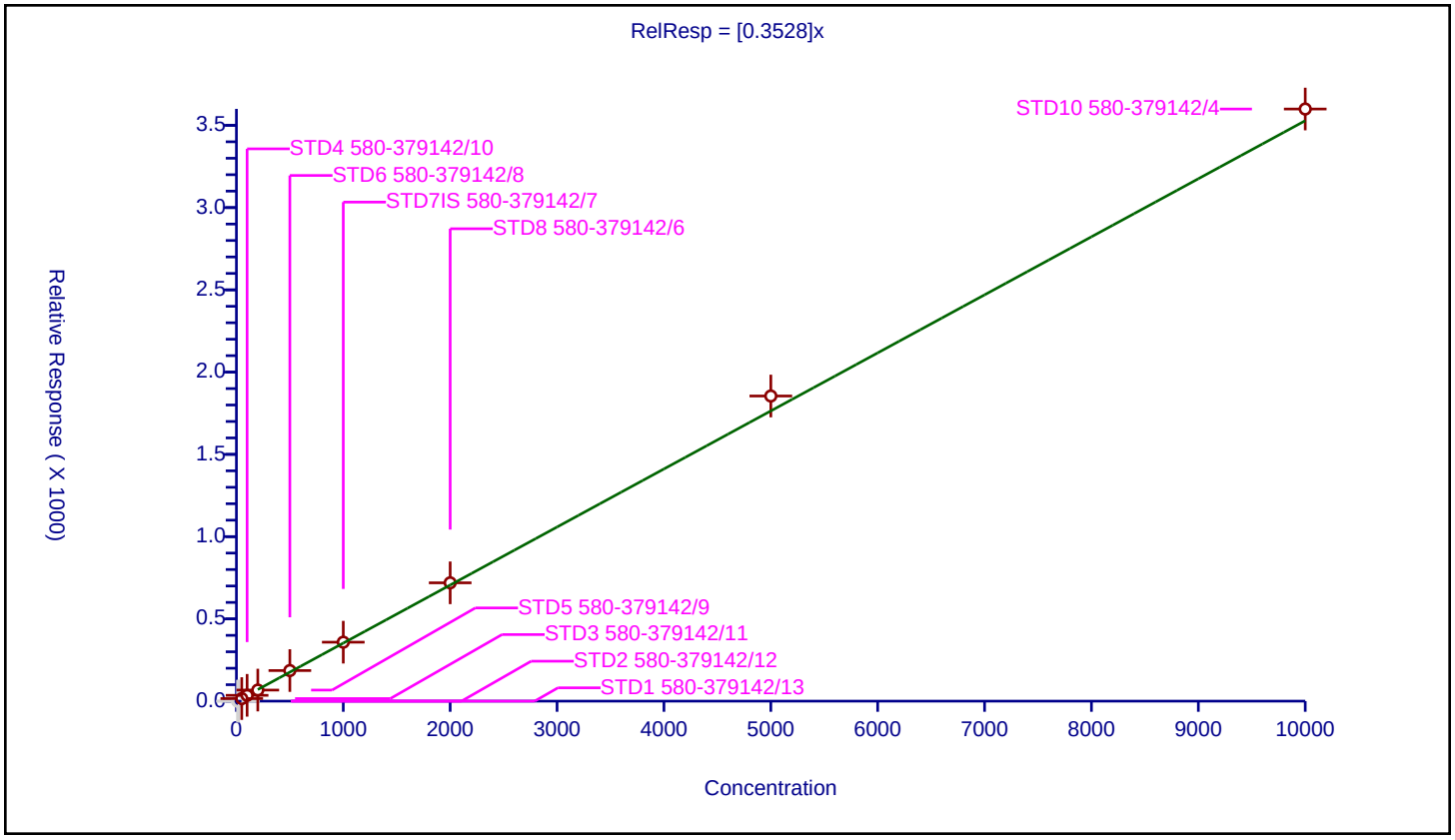
Curve Coefficients

Intercept:	0
Slope:	0.3528

Error Coefficients

Standard Error:	1040000
Relative Standard Error:	5.7
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	0.0	100.0	41597.0	0.0	N
2	STD2 580-379142/12	20.0	0.0	100.0	50575.0	0.0	N
3	STD3 580-379142/11	50.0	15.566125	100.0	54246.0	0.311322	Y
4	STD4 580-379142/10	100.0	35.414245	100.0	57635.0	0.354142	Y
5	STD5 580-379142/9	200.0	67.238309	100.0	60644.0	0.336192	Y
6	STD6 580-379142/8	500.0	186.010617	100.0	63105.0	0.372021	Y
7	STD7IS 580-379142/7	1000.0	358.378883	100.0	65313.0	0.358379	Y
8	STD8 580-379142/6	2000.0	719.199284	100.0	65966.0	0.3596	Y
9	STD9 580-379142/5	5000.0	1854.74694	100.0	69529.0	0.370949	Y
10	STD10 580-379142/4	10000.0	3599.109118	100.0	65553.0	0.359911	Y



Curve Type:	Quadratic
Weighting:	None
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

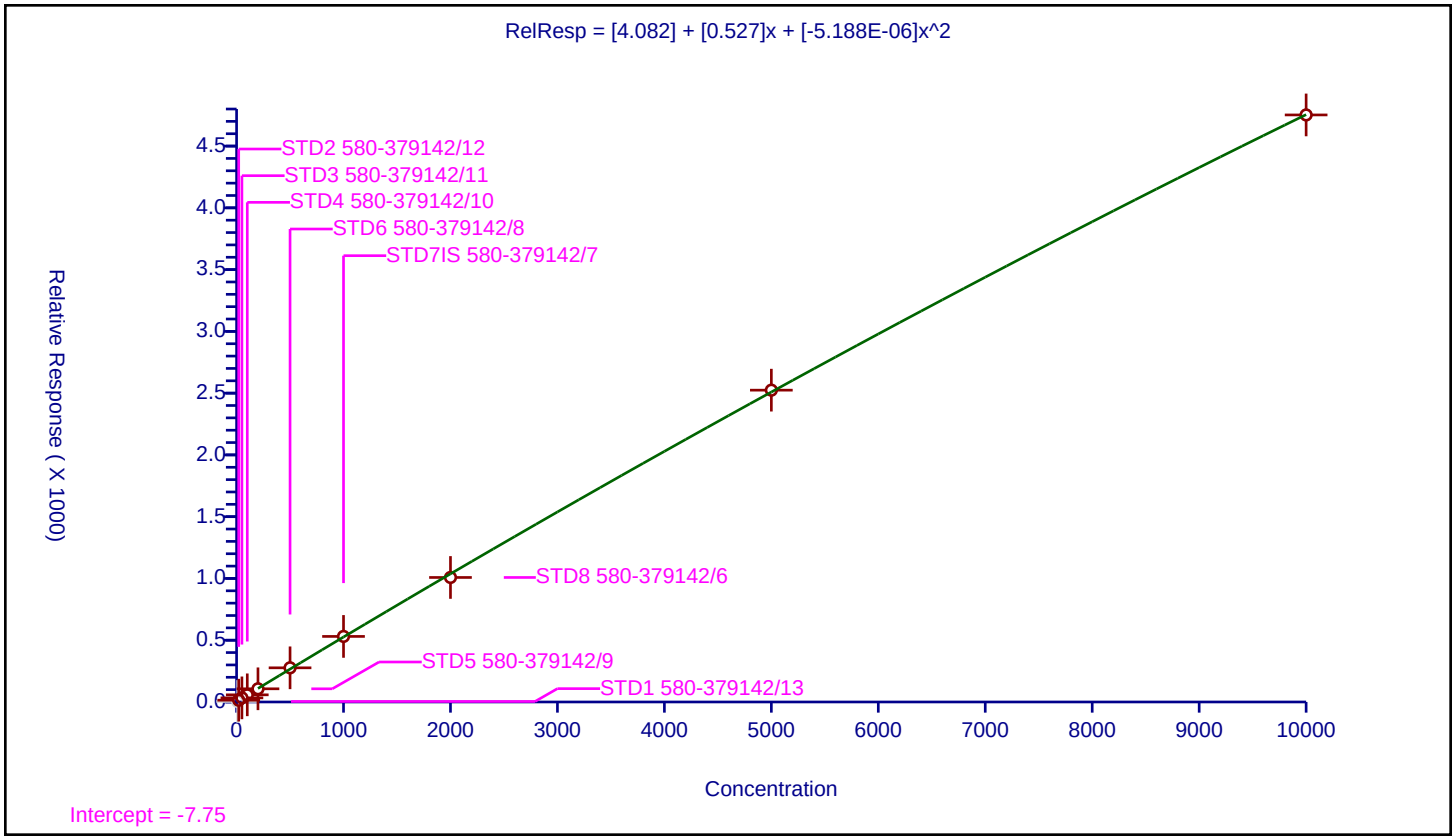
Curve Coefficients

Intercept:	4.082
Slope:	0.527
Second Order:	-5.188E-06

Error Coefficients

Standard Error:	1490000
Relative Standard Error:	5.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	4.185398	100.0	41597.0	0.41854	N
2	STD2 580-379142/12	20.0	14.657439	100.0	50575.0	0.732872	Y
3	STD3 580-379142/11	50.0	33.28909	100.0	54246.0	0.665782	Y
4	STD4 580-379142/10	100.0	57.914462	100.0	57635.0	0.579145	Y
5	STD5 580-379142/9	200.0	106.663479	100.0	60644.0	0.533317	Y
6	STD6 580-379142/8	500.0	276.672213	100.0	63105.0	0.553344	Y
7	STD7IS 580-379142/7	1000.0	530.767229	100.0	65313.0	0.530767	Y
8	STD8 580-379142/6	2000.0	1008.025346	100.0	65966.0	0.504013	Y
9	STD9 580-379142/5	5000.0	2524.171209	100.0	69529.0	0.504834	Y
10	STD10 580-379142/4	10000.0	4752.099828	100.0	65553.0	0.47521	Y



Calibration / 2,4,6-Trichlorophenol

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

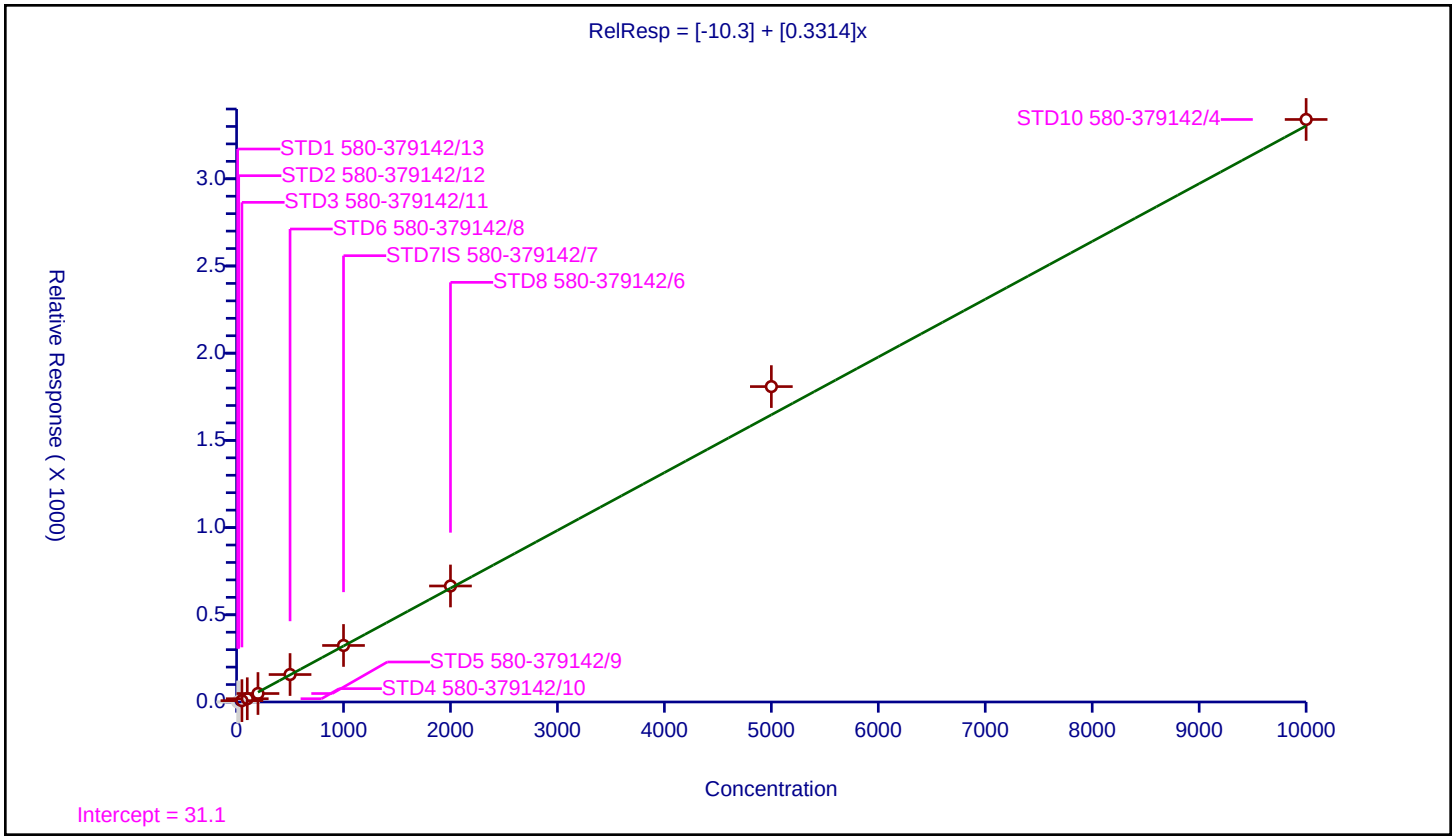
Curve Coefficients

Intercept:	-10.3
Slope:	0.3314

Error Coefficients

Standard Error:	1050000
Relative Standard Error:	8.7
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	0.0	100.0	41597.0	0.0	N
2	STD2 580-379142/12	20.0	0.0	100.0	50575.0	0.0	N
3	STD3 580-379142/11	50.0	7.703794	100.0	54246.0	0.154076	Y
4	STD4 580-379142/10	100.0	18.747289	100.0	57635.0	0.187473	Y
5	STD5 580-379142/9	200.0	48.515929	100.0	60644.0	0.24258	Y
6	STD6 580-379142/8	500.0	157.447112	100.0	63105.0	0.314894	Y
7	STD7IS 580-379142/7	1000.0	324.123834	100.0	65313.0	0.324124	Y
8	STD8 580-379142/6	2000.0	665.153261	100.0	65966.0	0.332577	Y
9	STD9 580-379142/5	5000.0	1808.410879	100.0	69529.0	0.361682	Y
10	STD10 580-379142/4	10000.0	3340.054612	100.0	65553.0	0.334005	Y



Calibration / 2,4,5-Trichlorophenol

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

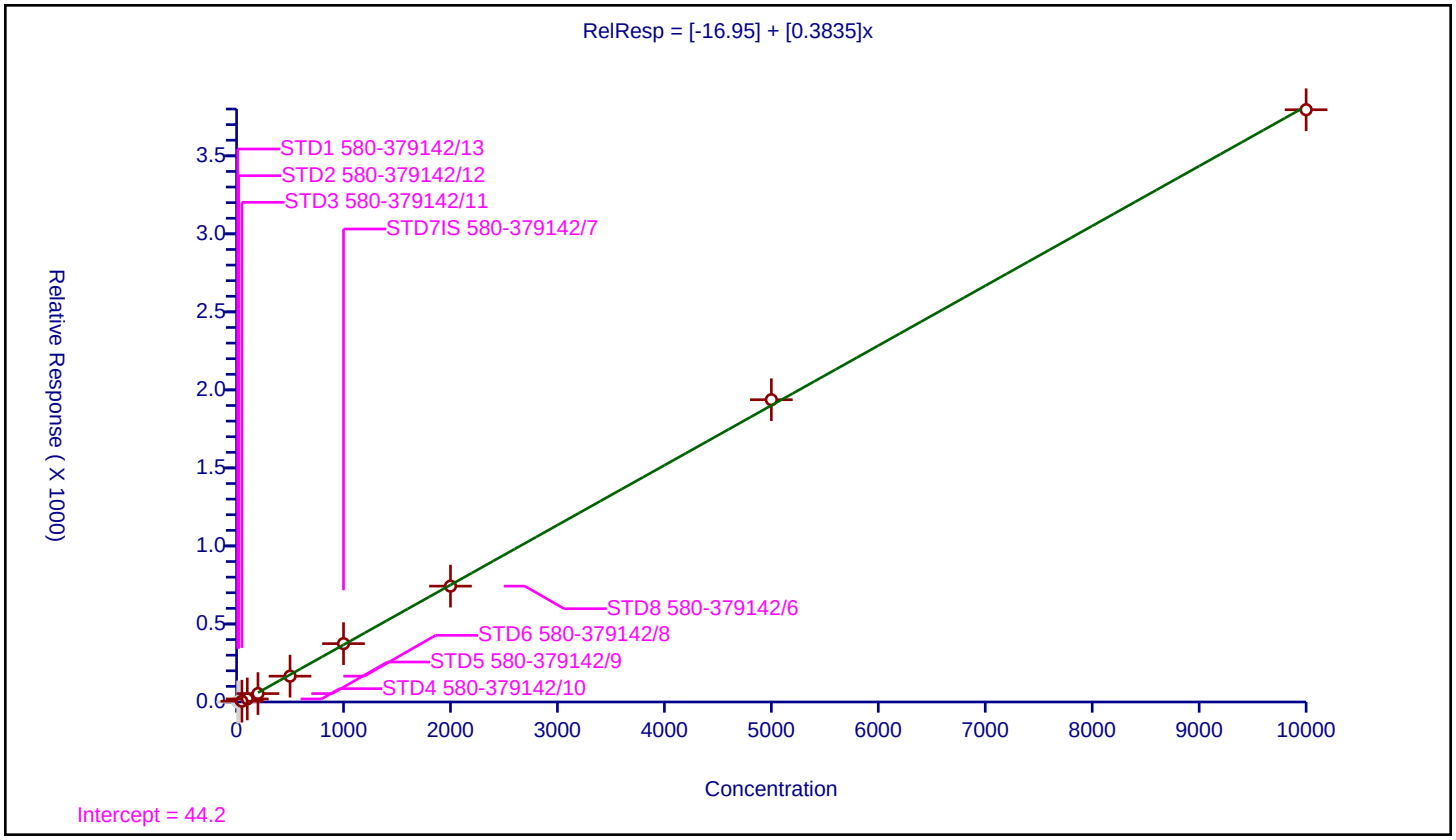
Curve Coefficients

Intercept:	-16.95
Slope:	0.3835

Error Coefficients

Standard Error:	1180000
Relative Standard Error:	7.5
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	0.0	100.0	41597.0	0.0	N
2	STD2 580-379142/12	20.0	0.0	100.0	50575.0	0.0	N
3	STD3 580-379142/11	50.0	5.082402	100.0	54246.0	0.101648	Y
4	STD4 580-379142/10	100.0	19.597467	100.0	57635.0	0.195975	Y
5	STD5 580-379142/9	200.0	53.875074	100.0	60644.0	0.269375	Y
6	STD6 580-379142/8	500.0	165.557404	100.0	63105.0	0.331115	Y
7	STD7IS 580-379142/7	1000.0	373.945463	100.0	65313.0	0.373945	Y
8	STD8 580-379142/6	2000.0	742.350605	100.0	65966.0	0.371175	Y
9	STD9 580-379142/5	5000.0	1937.052165	100.0	69529.0	0.38741	Y
10	STD10 580-379142/4	10000.0	3795.344225	100.0	65553.0	0.379534	Y



Calibration / 2-Fluorobiphenyl

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

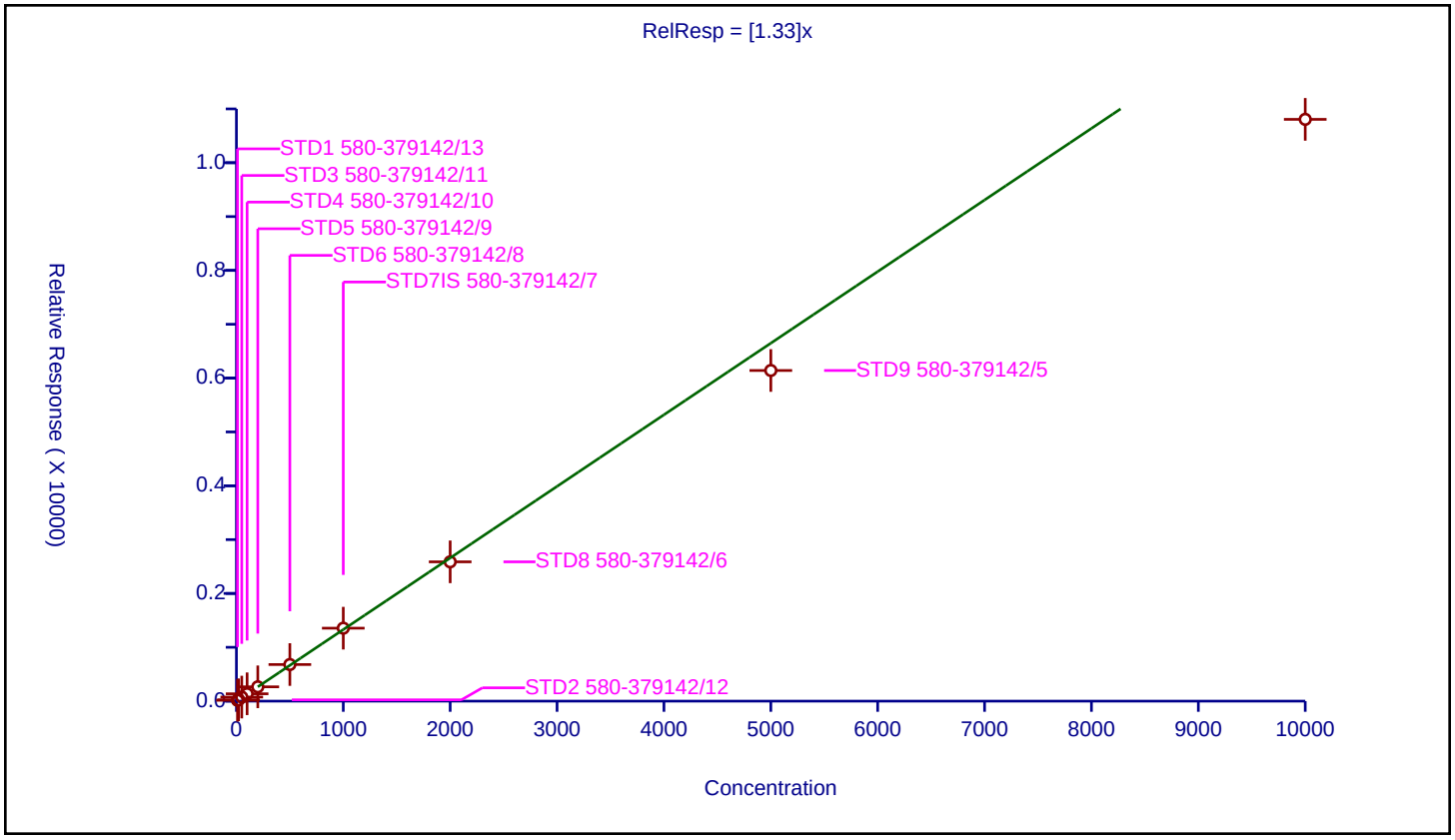
Curve Coefficients

Intercept:	0
Slope:	1.33

Error Coefficients

Standard Error:	2830000
Relative Standard Error:	10.2
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	15.431401	100.0	41597.0	1.54314	Y
2	STD2 580-379142/12	20.0	24.488384	100.0	50575.0	1.224419	Y
3	STD3 580-379142/11	50.0	75.607418	100.0	54246.0	1.512148	Y
4	STD4 580-379142/10	100.0	136.843932	100.0	57635.0	1.368439	Y
5	STD5 580-379142/9	200.0	266.131851	100.0	60644.0	1.330659	Y
6	STD6 580-379142/8	500.0	680.076064	100.0	63105.0	1.360152	Y
7	STD7IS 580-379142/7	1000.0	1355.171252	100.0	65313.0	1.355171	Y
8	STD8 580-379142/6	2000.0	2587.589061	100.0	65966.0	1.293795	Y
9	STD9 580-379142/5	5000.0	6141.423003	100.0	69529.0	1.228285	Y
10	STD10 580-379142/4	10000.0	10805.630558	100.0	65553.0	1.080563	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

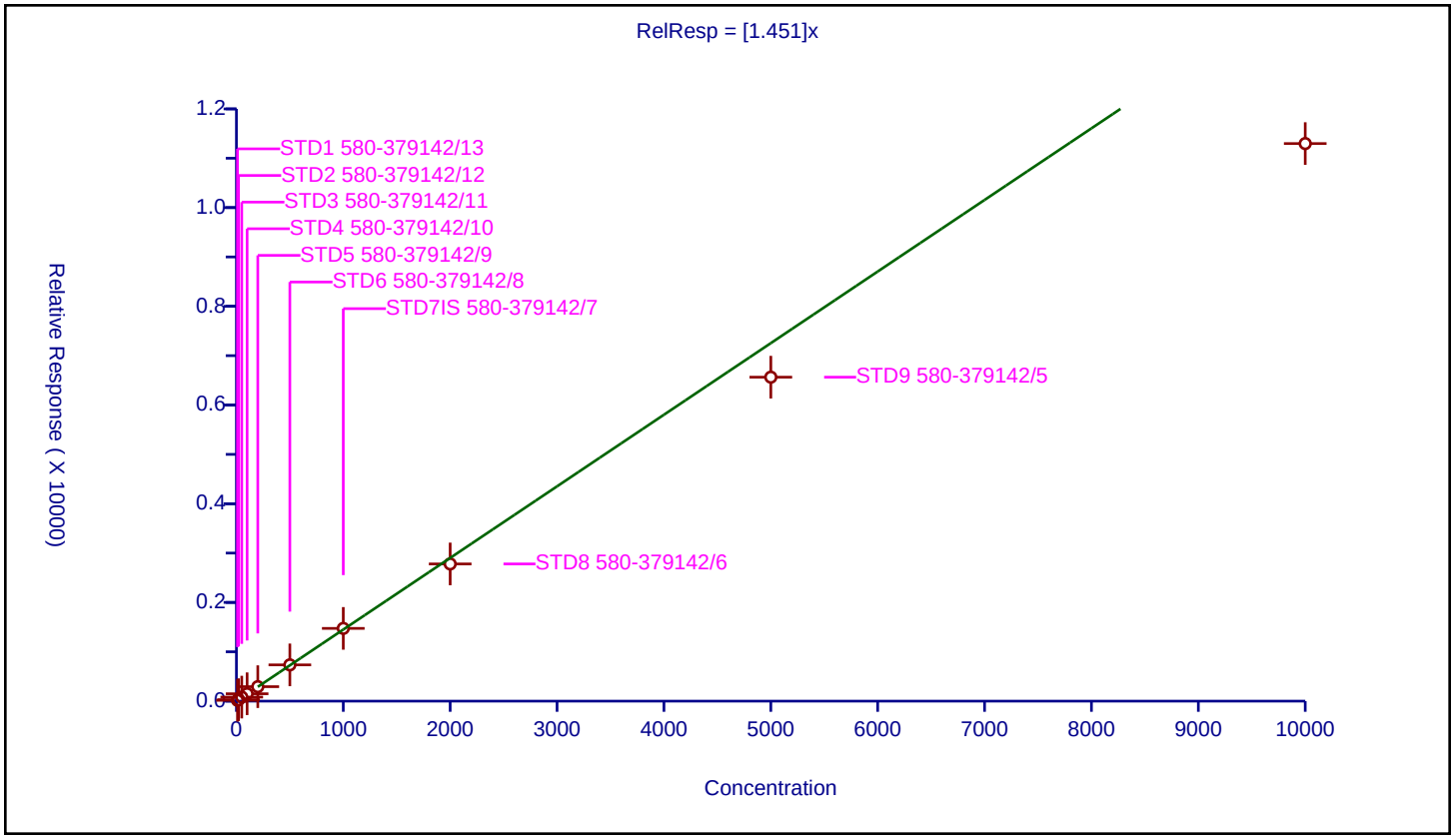
Curve Coefficients

Intercept:	0
Slope:	1.451

Error Coefficients

Standard Error:	2980000
Relative Standard Error:	10.5
Correlation Coefficient:	0.989
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	16.575715	100.0	41597.0	1.657571	Y
2	STD2 580-379142/12	20.0	29.411765	100.0	50575.0	1.470588	Y
3	STD3 580-379142/11	50.0	81.875161	100.0	54246.0	1.637503	Y
4	STD4 580-379142/10	100.0	149.745814	100.0	57635.0	1.497458	Y
5	STD5 580-379142/9	200.0	293.511312	100.0	60644.0	1.467557	Y
6	STD6 580-379142/8	500.0	734.919578	100.0	63105.0	1.469839	Y
7	STD7IS 580-379142/7	1000.0	1474.211872	100.0	65313.0	1.474212	Y
8	STD8 580-379142/6	2000.0	2780.197374	100.0	65966.0	1.390099	Y
9	STD9 580-379142/5	5000.0	6564.203426	100.0	69529.0	1.312841	Y
10	STD10 580-379142/4	10000.0	11297.357863	100.0	65553.0	1.129736	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

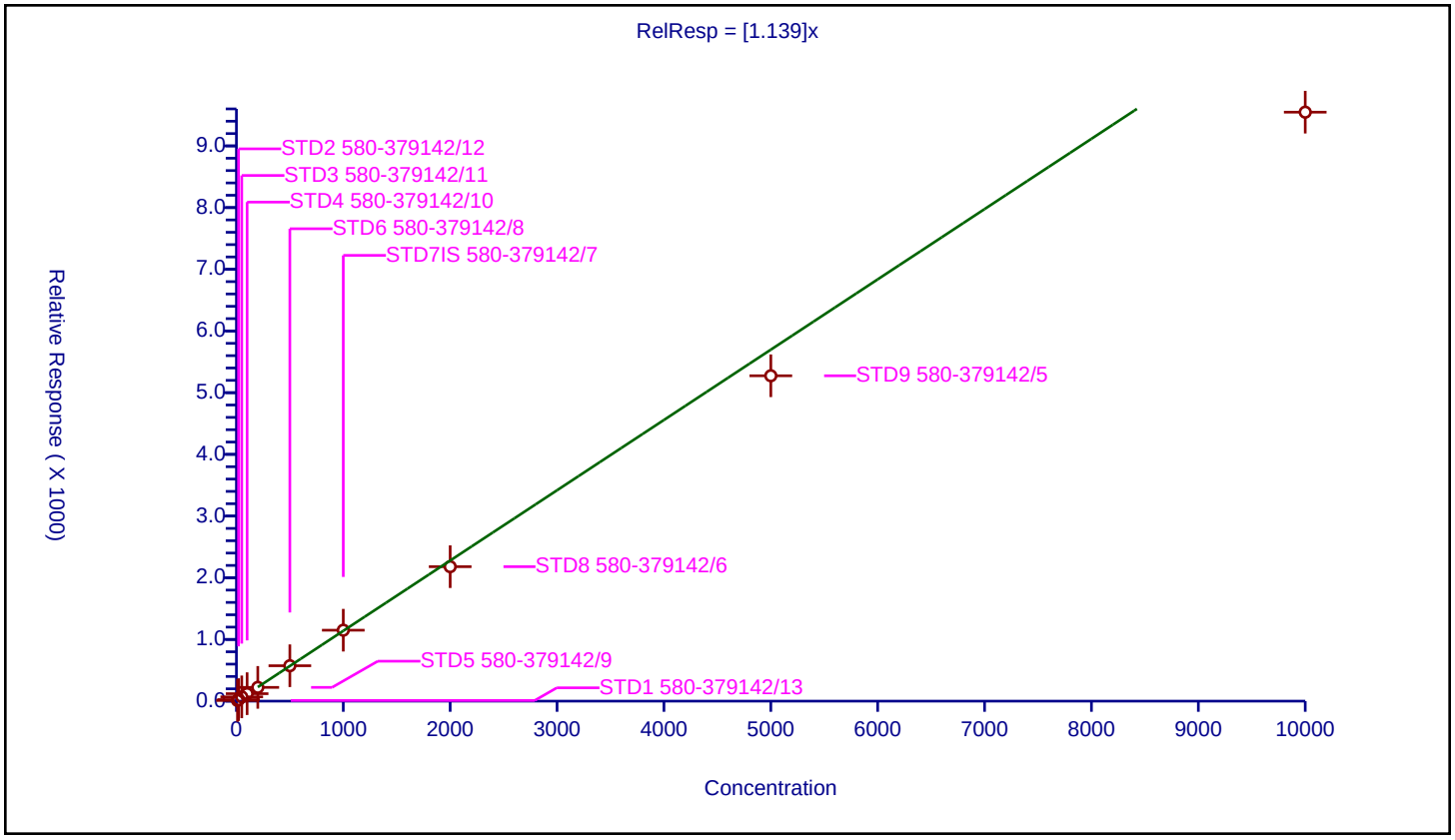
Curve Coefficients

Intercept:	0
Slope:	1.139

Error Coefficients

Standard Error:	2480000
Relative Standard Error:	10.5
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	10.462293	100.0	41597.0	1.046229	Y
2	STD2 580-379142/12	20.0	24.767177	100.0	50575.0	1.238359	Y
3	STD3 580-379142/11	50.0	69.271467	100.0	54246.0	1.385429	Y
4	STD4 580-379142/10	100.0	121.195454	100.0	57635.0	1.211955	Y
5	STD5 580-379142/9	200.0	222.97177	100.0	60644.0	1.114859	Y
6	STD6 580-379142/8	500.0	574.106648	100.0	63105.0	1.148213	Y
7	STD7IS 580-379142/7	1000.0	1149.882872	100.0	65313.0	1.149883	Y
8	STD8 580-379142/6	2000.0	2179.336325	100.0	65966.0	1.089668	Y
9	STD9 580-379142/5	5000.0	5274.105769	100.0	69529.0	1.054821	Y
10	STD10 580-379142/4	10000.0	9546.722499	100.0	65553.0	0.954672	Y



Calibration / 2-Nitroaniline

Curve Type:	Quadratic
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

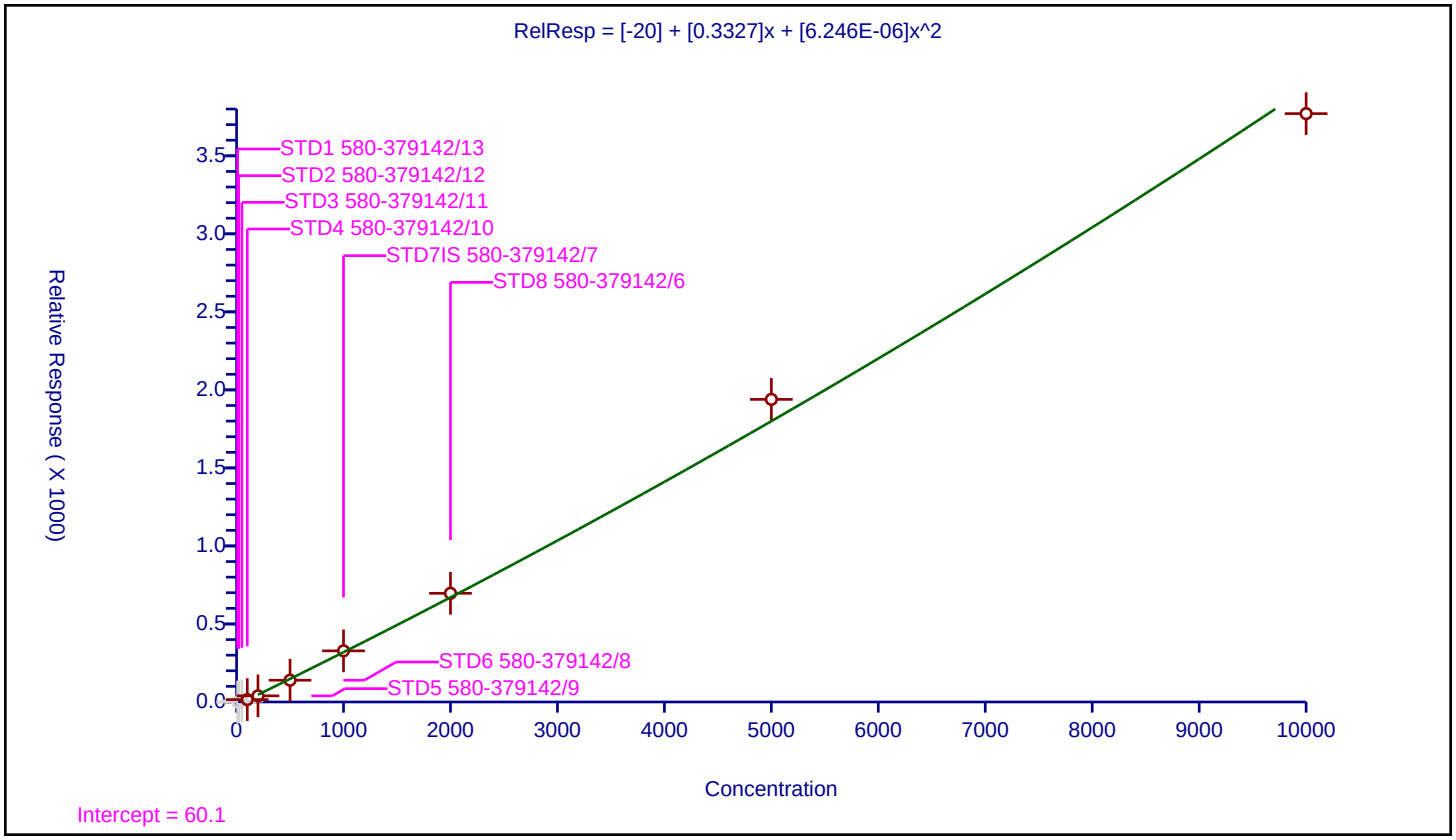
Curve Coefficients

Intercept:	-20
Slope:	0.3327
Second Order:	6.246E-06

Error Coefficients

Standard Error:	1430000
Relative Standard Error:	8.1
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	0.0	100.0	41597.0	0.0	N
2	STD2 580-379142/12	20.0	0.0	100.0	50575.0	0.0	N
3	STD3 580-379142/11	50.0	5.939608	100.0	54246.0	0.118792	N
4	STD4 580-379142/10	100.0	15.313612	100.0	57635.0	0.153136	Y
5	STD5 580-379142/9	200.0	39.402084	100.0	60644.0	0.19701	Y
6	STD6 580-379142/8	500.0	139.562634	100.0	63105.0	0.279125	Y
7	STD7IS 580-379142/7	1000.0	327.697396	100.0	65313.0	0.327697	Y
8	STD8 580-379142/6	2000.0	696.528515	100.0	65966.0	0.348264	Y
9	STD9 580-379142/5	5000.0	1939.242618	100.0	69529.0	0.387849	Y
10	STD10 580-379142/4	10000.0	3770.452916	100.0	65553.0	0.377045	Y



Calibration / Dimethyl phthalate

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

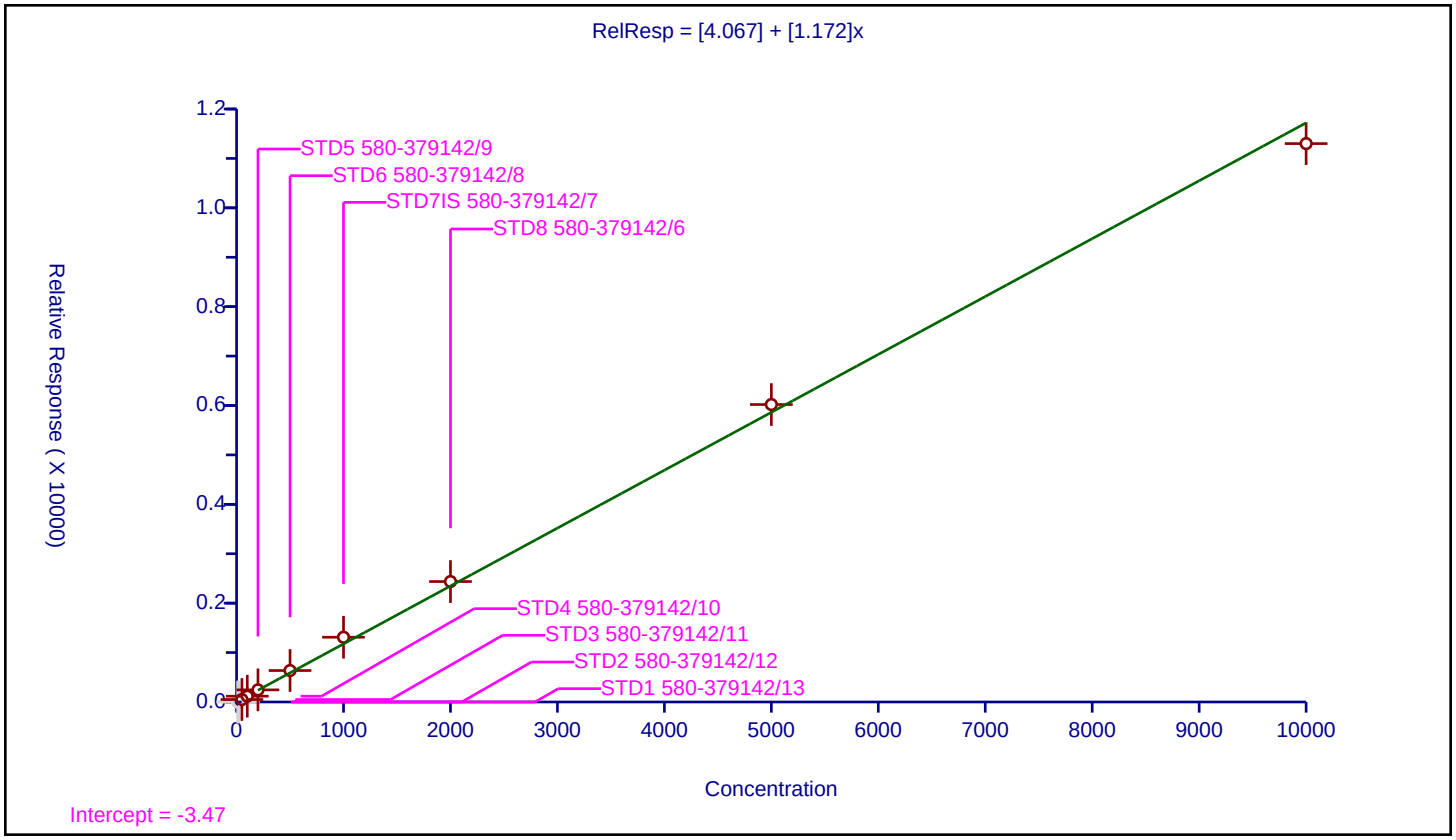
Curve Coefficients

Intercept:	4.067
Slope:	1.172

Error Coefficients

Standard Error:	3550000
Relative Standard Error:	11.0
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	0.0	100.0	41597.0	0.0	N
2	STD2 580-379142/12	20.0	0.0	100.0	50575.0	0.0	N
3	STD3 580-379142/11	50.0	49.806437	100.0	54246.0	0.996129	Y
4	STD4 580-379142/10	100.0	117.267286	100.0	57635.0	1.172673	Y
5	STD5 580-379142/9	200.0	245.056395	100.0	60644.0	1.225282	Y
6	STD6 580-379142/8	500.0	636.50107	100.0	63105.0	1.273002	Y
7	STD7IS 580-379142/7	1000.0	1310.486427	100.0	65313.0	1.310486	Y
8	STD8 580-379142/6	2000.0	2437.270715	100.0	65966.0	1.218635	Y
9	STD9 580-379142/5	5000.0	6019.798933	100.0	69529.0	1.20396	Y
10	STD10 580-379142/4	10000.0	11300.010678	100.0	65553.0	1.130001	Y



Calibration / 1,3-Dinitrobenzene

Curve Type:	Quadratic
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

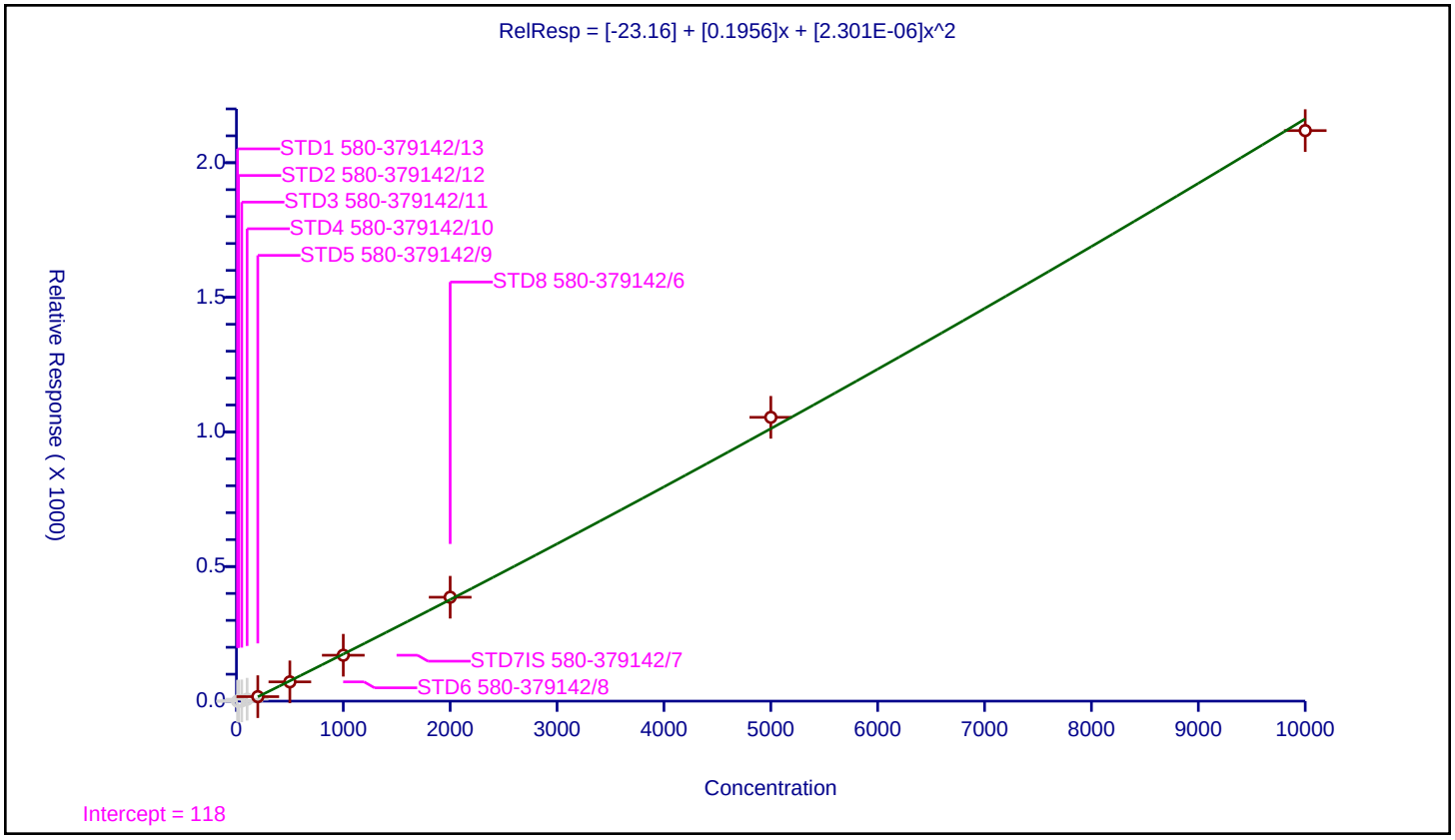
Curve Coefficients

Intercept:	-23.16
Slope:	0.1956
Second Order:	2.301E-06

Error Coefficients

Standard Error:	920000
Relative Standard Error:	3.8
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	0.0	100.0	41597.0	0.0	N
2	STD2 580-379142/12	20.0	0.0	100.0	50575.0	0.0	N
3	STD3 580-379142/11	50.0	0.905136	100.0	54246.0	0.018103	N
4	STD4 580-379142/10	100.0	7.212631	100.0	57635.0	0.072126	N
5	STD5 580-379142/9	200.0	16.66117	100.0	60644.0	0.083306	Y
6	STD6 580-379142/8	500.0	71.566437	100.0	63105.0	0.143133	Y
7	STD7IS 580-379142/7	1000.0	170.486733	100.0	65313.0	0.170487	Y
8	STD8 580-379142/6	2000.0	386.041294	100.0	65966.0	0.193021	Y
9	STD9 580-379142/5	5000.0	1054.283824	100.0	69529.0	0.210857	Y
10	STD10 580-379142/4	10000.0	2119.340076	100.0	65553.0	0.211934	Y



Calibration / 2,6-Dinitrotoluene

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

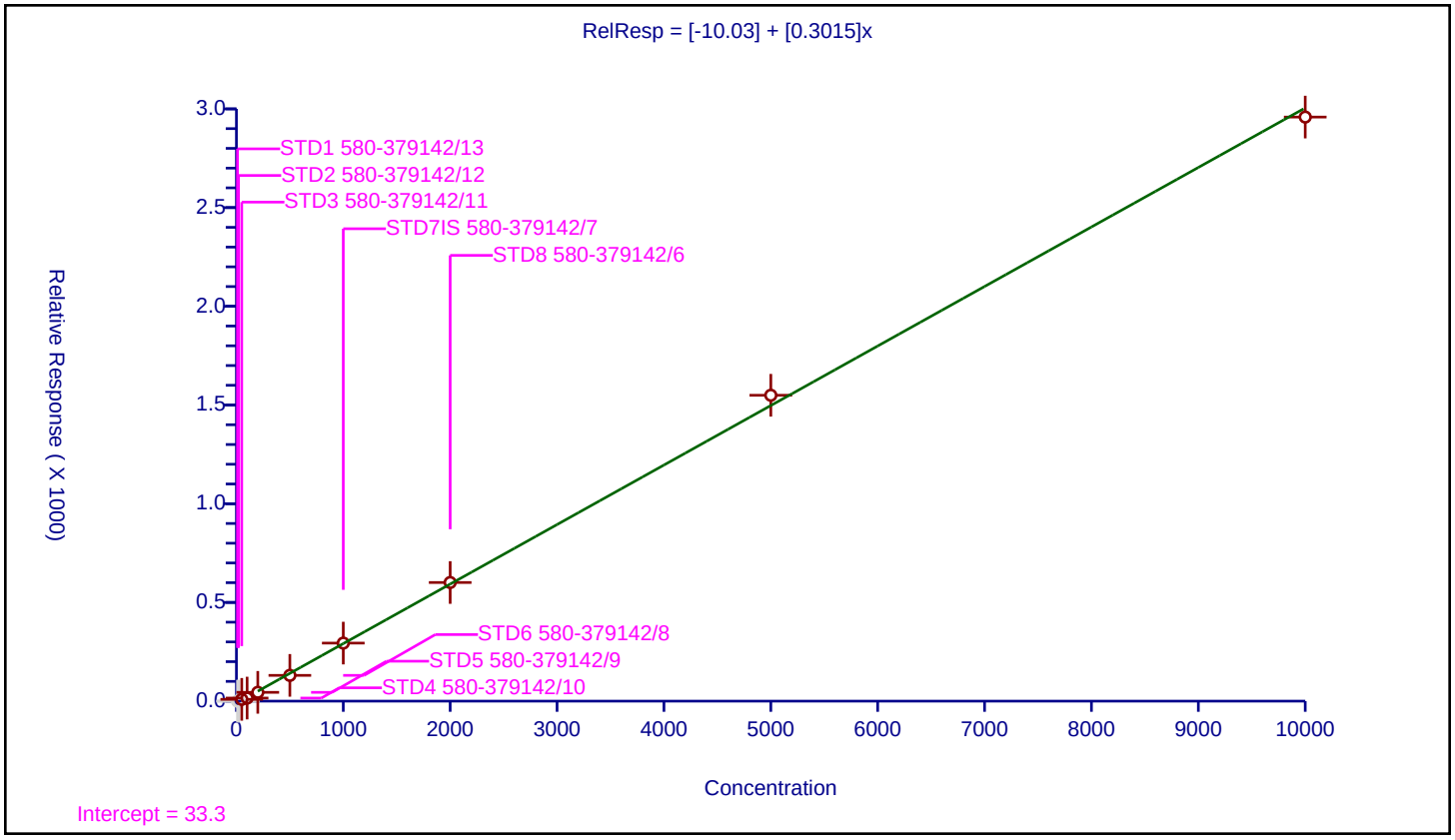
Curve Coefficients

Intercept:	-10.03
Slope:	0.3015

Error Coefficients

Standard Error:	923000
Relative Standard Error:	13.6
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	0.0	100.0	41597.0	0.0	N
2	STD2 580-379142/12	20.0	0.0	100.0	50575.0	0.0	N
3	STD3 580-379142/11	50.0	9.123253	100.0	54246.0	0.182465	Y
4	STD4 580-379142/10	100.0	15.613776	100.0	57635.0	0.156138	Y
5	STD5 580-379142/9	200.0	44.558406	100.0	60644.0	0.222792	Y
6	STD6 580-379142/8	500.0	130.545916	100.0	63105.0	0.261092	Y
7	STD7IS 580-379142/7	1000.0	294.034878	100.0	65313.0	0.294035	Y
8	STD8 580-379142/6	2000.0	600.945942	100.0	65966.0	0.300473	Y
9	STD9 580-379142/5	5000.0	1549.38371	100.0	69529.0	0.309877	Y
10	STD10 580-379142/4	10000.0	2958.592284	100.0	65553.0	0.295859	Y



Calibration / Acenaphthylene

Curve Type:	Quadratic
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

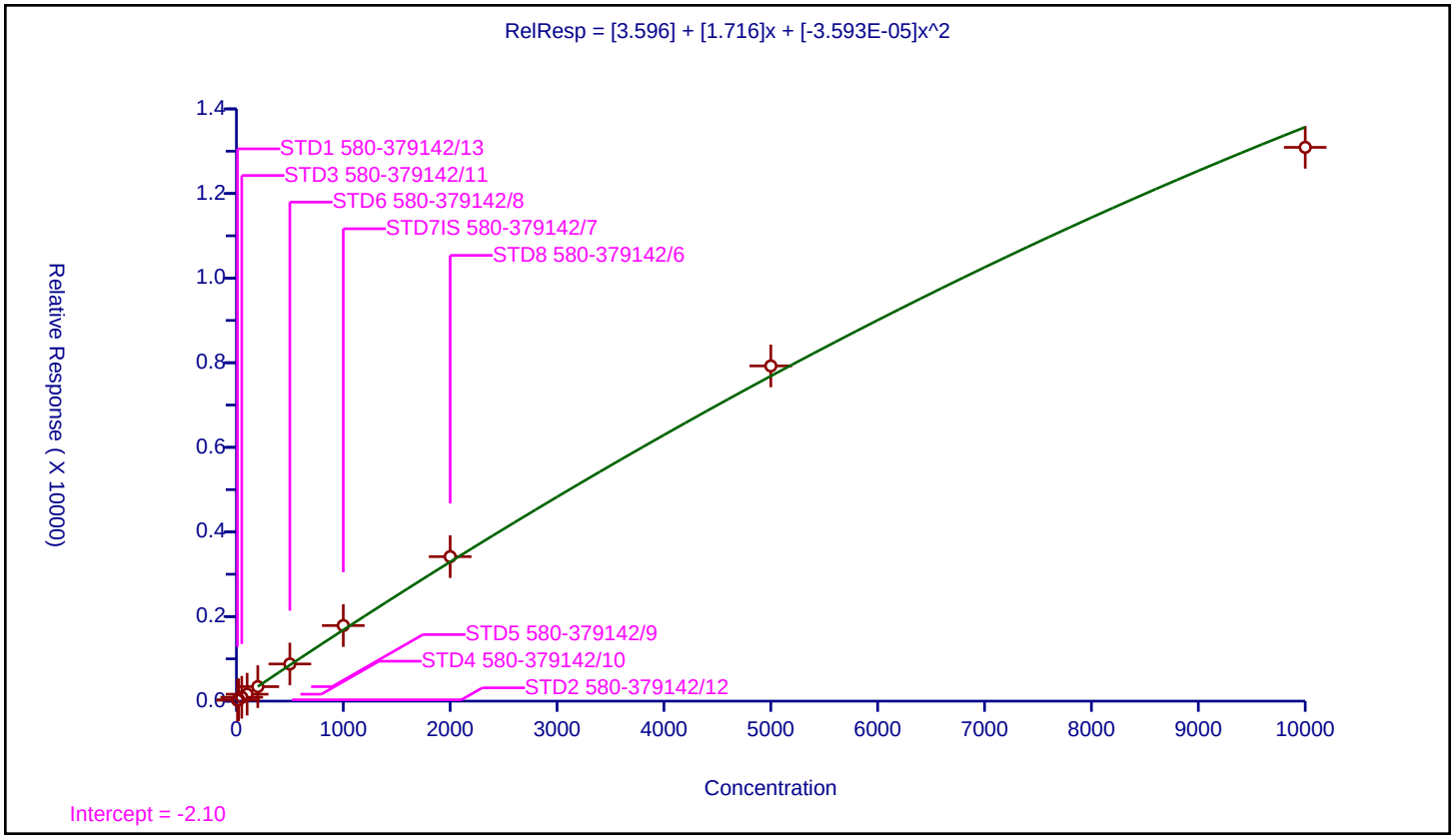
Curve Coefficients

Intercept:	3.596
Slope:	1.716
Second Order:	-3.593E-05

Error Coefficients

Standard Error:	3970000
Relative Standard Error:	8.5
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	22.186696	100.0	41597.0	2.21867	Y
2	STD2 580-379142/12	20.0	32.126545	100.0	50575.0	1.606327	Y
3	STD3 580-379142/11	50.0	91.757918	100.0	54246.0	1.835158	Y
4	STD4 580-379142/10	100.0	163.964605	100.0	57635.0	1.639646	Y
5	STD5 580-379142/9	200.0	342.561506	100.0	60644.0	1.712808	Y
6	STD6 580-379142/8	500.0	878.589652	100.0	63105.0	1.757179	Y
7	STD7IS 580-379142/7	1000.0	1787.393015	100.0	65313.0	1.787393	Y
8	STD8 580-379142/6	2000.0	3416.141649	100.0	65966.0	1.708071	Y
9	STD9 580-379142/5	5000.0	7924.083476	100.0	69529.0	1.584817	Y
10	STD10 580-379142/4	10000.0	13090.937104	100.0	65553.0	1.309094	Y



Calibration / 3-Nitroaniline

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

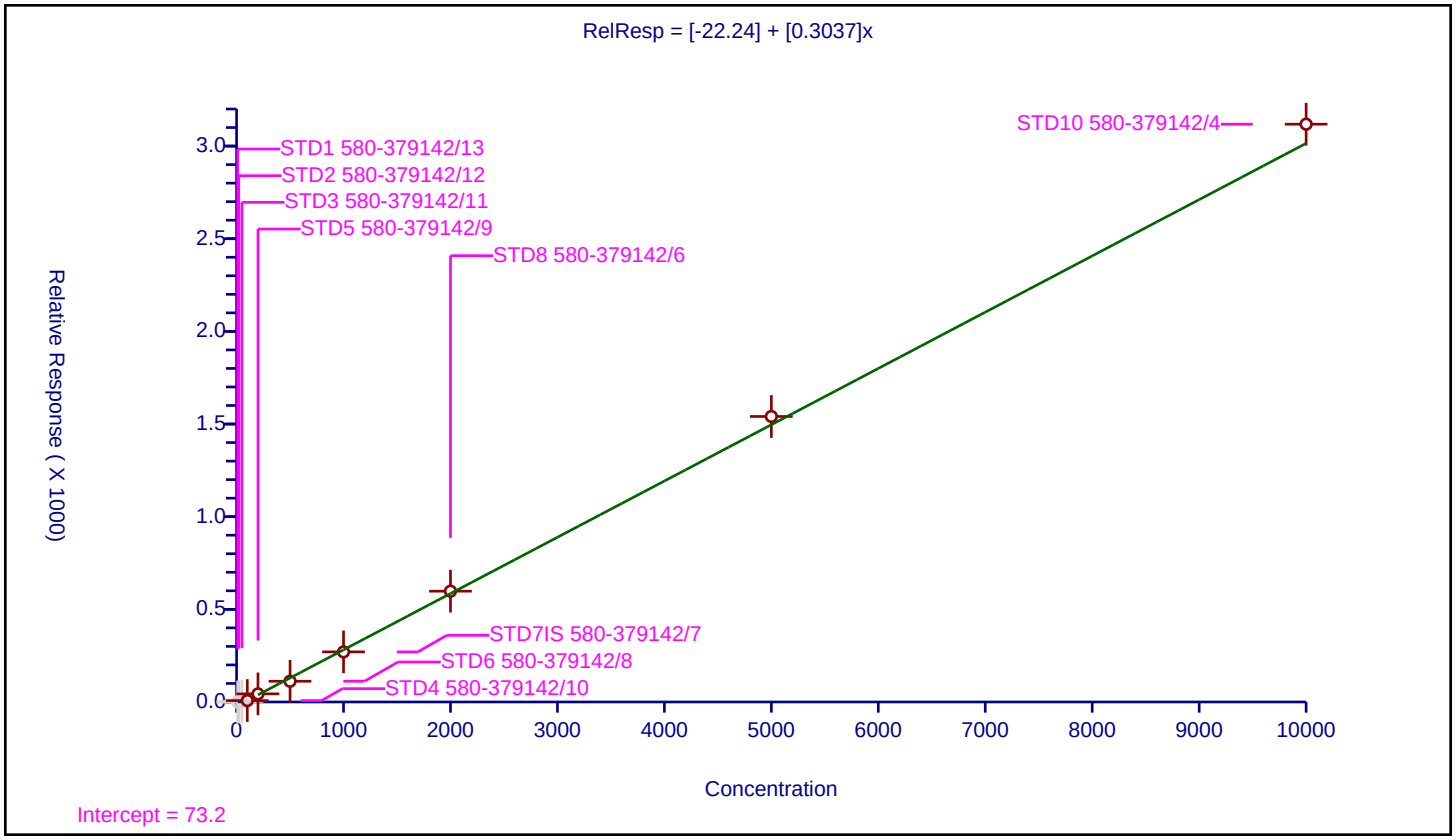
Curve Coefficients

Intercept:	-22.24
Slope:	0.3037

Error Coefficients

Standard Error:	1050000
Relative Standard Error:	7.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	0.0	100.0	41597.0	0.0	N
2	STD2 580-379142/12	20.0	0.0	100.0	50575.0	0.0	N
3	STD3 580-379142/11	50.0	2.674852	100.0	54246.0	0.053497	N
4	STD4 580-379142/10	100.0	7.564848	100.0	57635.0	0.075648	Y
5	STD5 580-379142/9	200.0	43.783392	100.0	60644.0	0.218917	Y
6	STD6 580-379142/8	500.0	111.829491	100.0	63105.0	0.223659	Y
7	STD7IS 580-379142/7	1000.0	270.514293	100.0	65313.0	0.270514	Y
8	STD8 580-379142/6	2000.0	597.938332	100.0	65966.0	0.298969	Y
9	STD9 580-379142/5	5000.0	1540.770038	100.0	69529.0	0.308154	Y
10	STD10 580-379142/4	10000.0	3118.147148	100.0	65553.0	0.311815	Y



Calibration / Acenaphthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

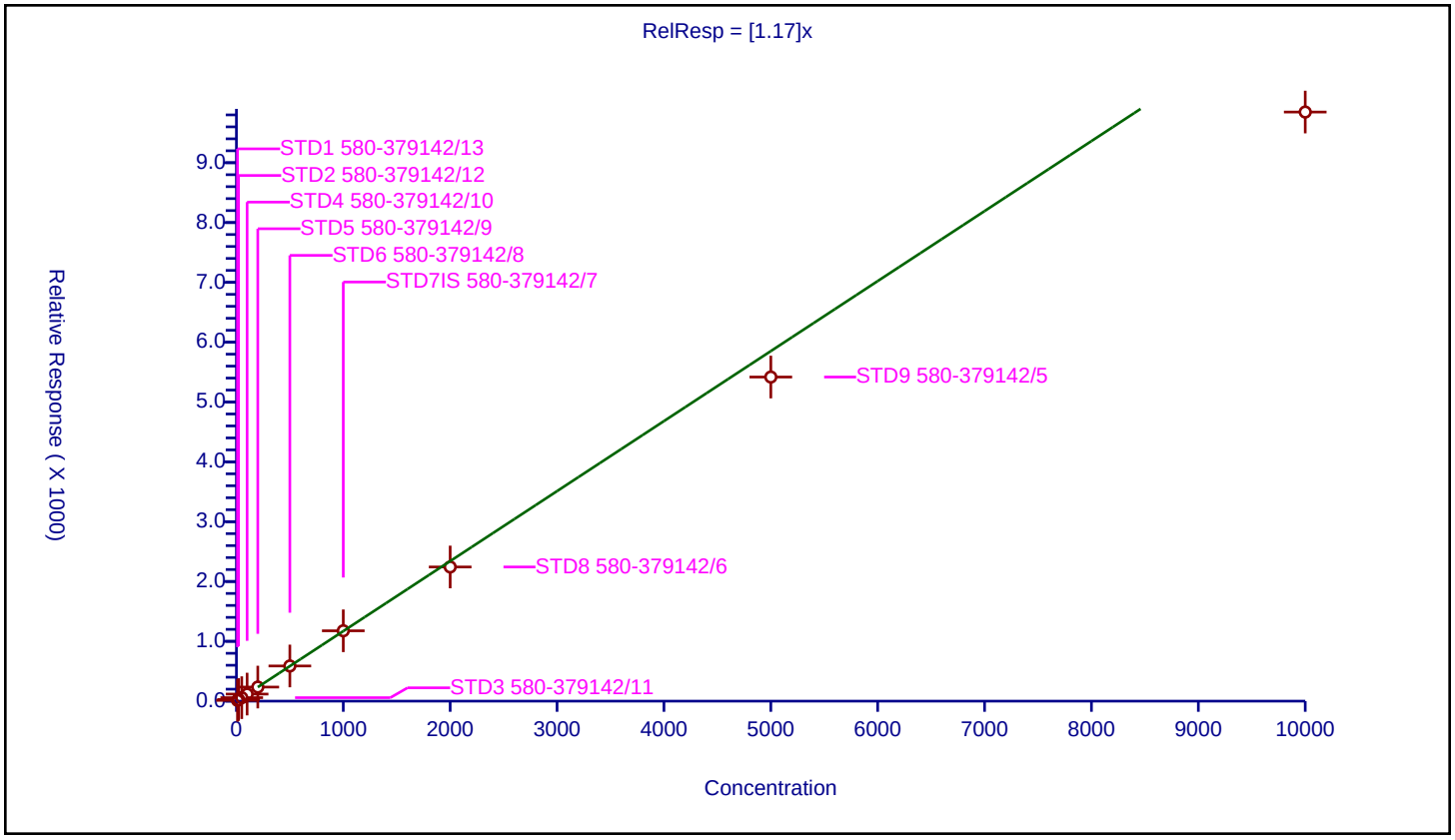
Curve Coefficients

Intercept:	0
Slope:	1.17

Error Coefficients

Standard Error:	2550000
Relative Standard Error:	8.6
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	12.897565	100.0	41597.0	1.289756	Y
2	STD2 580-379142/12	20.0	26.956006	100.0	50575.0	1.3478	Y
3	STD3 580-379142/11	50.0	58.243926	100.0	54246.0	1.164879	Y
4	STD4 580-379142/10	100.0	118.303114	100.0	57635.0	1.183031	Y
5	STD5 580-379142/9	200.0	235.147748	100.0	60644.0	1.175739	Y
6	STD6 580-379142/8	500.0	587.685603	100.0	63105.0	1.175371	Y
7	STD7IS 580-379142/7	1000.0	1176.16401	100.0	65313.0	1.176164	Y
8	STD8 580-379142/6	2000.0	2242.955462	100.0	65966.0	1.121478	Y
9	STD9 580-379142/5	5000.0	5417.640121	100.0	69529.0	1.083528	Y
10	STD10 580-379142/4	10000.0	9847.488292	100.0	65553.0	0.984749	Y



Calibration / 2,4-Dinitrophenol

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

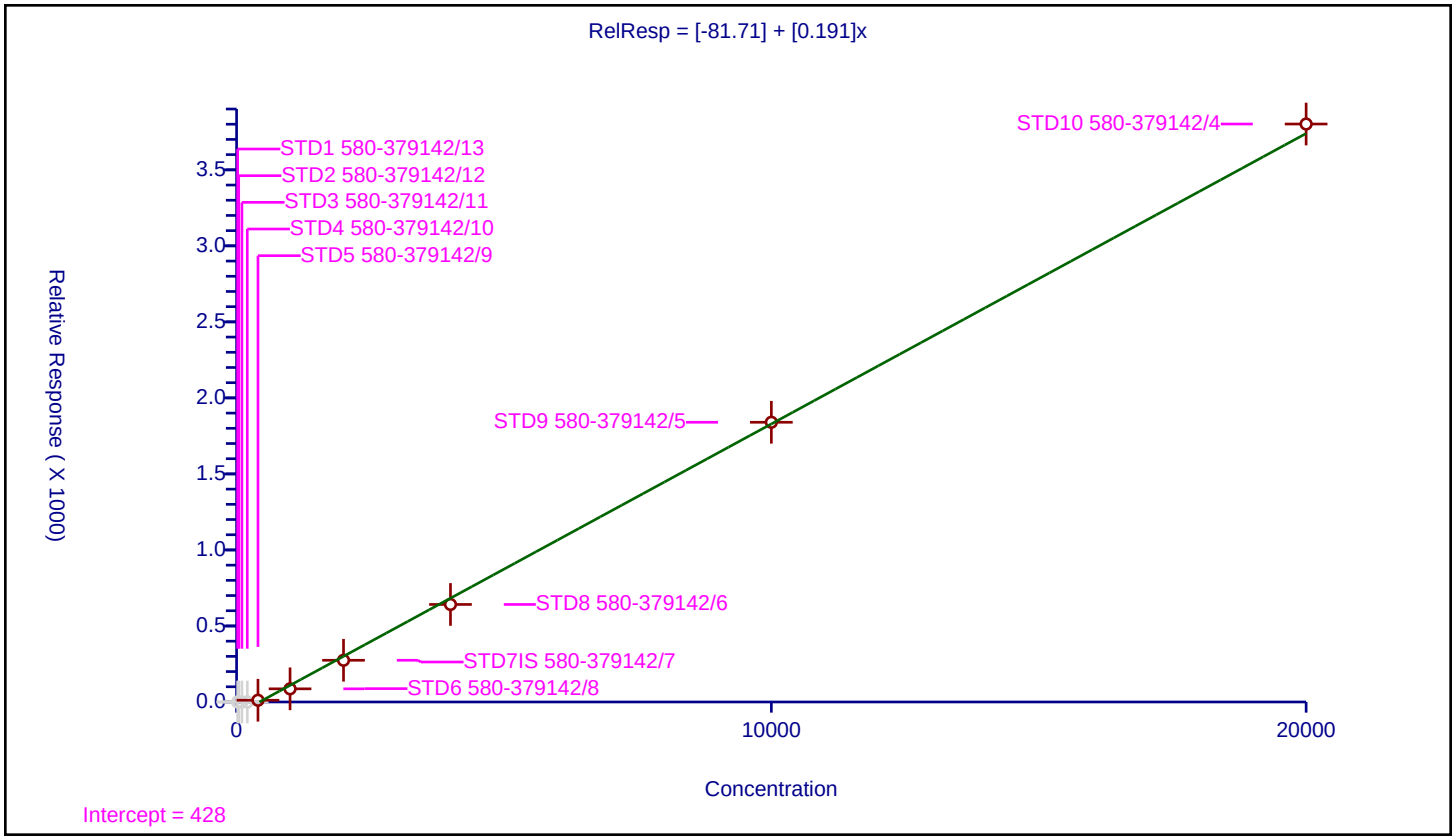
Curve Coefficients

Intercept:	-81.71
Slope:	0.191

Error Coefficients

Standard Error:	1420000
Relative Standard Error:	13.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	20.0	0.0	100.0	41597.0	0.0	N
2	STD2 580-379142/12	40.0	0.0	100.0	50575.0	0.0	N
3	STD3 580-379142/11	100.0	0.0	100.0	54246.0	0.0	N
4	STD4 580-379142/10	200.0	0.0	100.0	57635.0	0.0	N
5	STD5 580-379142/9	400.0	11.4224	100.0	60644.0	0.028556	Y
6	STD6 580-379142/8	1000.0	86.628635	100.0	63105.0	0.086629	Y
7	STD7IS 580-379142/7	2000.0	274.346608	100.0	65313.0	0.137173	Y
8	STD8 580-379142/6	4000.0	641.486523	100.0	65966.0	0.160372	Y
9	STD9 580-379142/5	10000.0	1839.730185	100.0	69529.0	0.183973	Y
10	STD10 580-379142/4	20000.0	3801.256998	100.0	65553.0	0.190063	Y



Calibration / 4-Nitrophenol

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

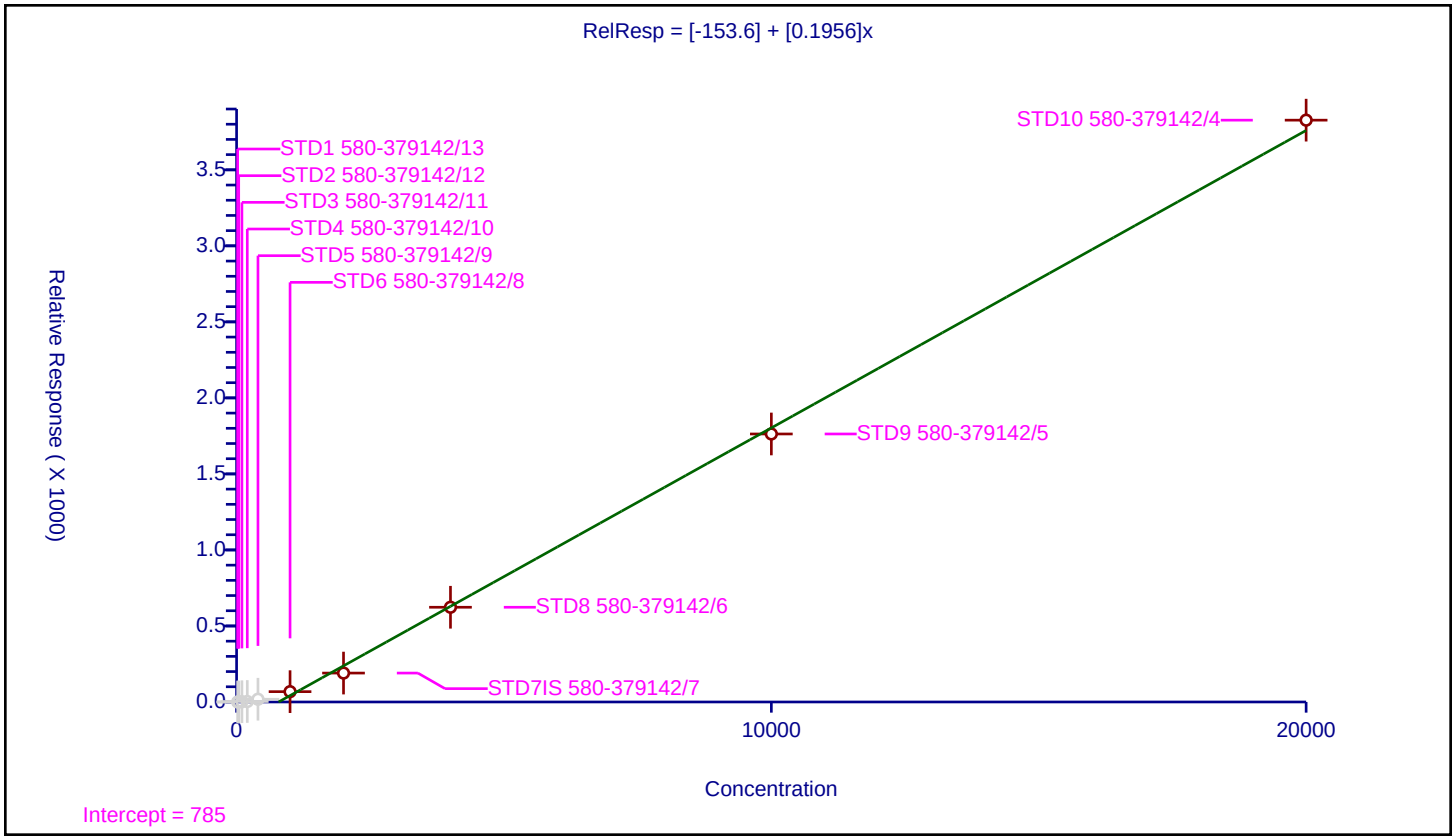
Curve Coefficients

Intercept:	-153.6
Slope:	0.1956

Error Coefficients

Standard Error:	1630000
Relative Standard Error:	10.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	20.0	0.0	100.0	41597.0	0.0	N
2	STD2 580-379142/12	40.0	0.0	100.0	50575.0	0.0	N
3	STD3 580-379142/11	100.0	1.810272	100.0	54246.0	0.018103	N
4	STD4 580-379142/10	200.0	3.277522	100.0	57635.0	0.016388	N
5	STD5 580-379142/9	400.0	18.235934	100.0	60644.0	0.04559	N
6	STD6 580-379142/8	1000.0	67.875763	100.0	63105.0	0.067876	Y
7	STD7IS 580-379142/7	2000.0	190.133664	100.0	65313.0	0.095067	Y
8	STD8 580-379142/6	4000.0	623.107358	100.0	65966.0	0.155777	Y
9	STD9 580-379142/5	10000.0	1762.772368	100.0	69529.0	0.176277	Y
10	STD10 580-379142/4	20000.0	3826.737144	100.0	65553.0	0.191337	Y



Calibration / 2,4-Dinitrotoluene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

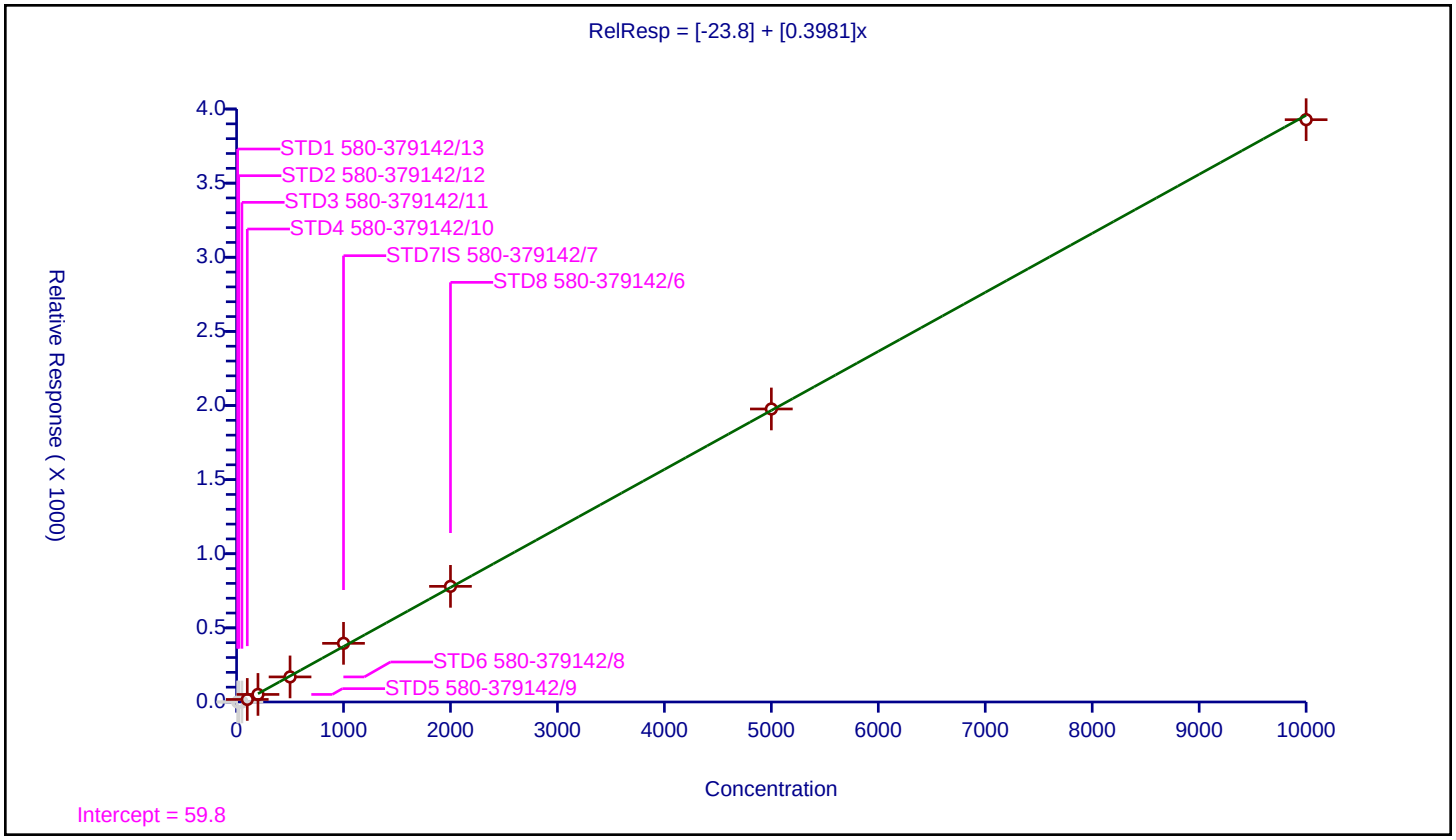
Curve Coefficients

Intercept:	-23.8
Slope:	0.3981

Error Coefficients

Standard Error:	1330000
Relative Standard Error:	4.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	0.0	100.0	41597.0	0.0	N
2	STD2 580-379142/12	20.0	0.0	100.0	50575.0	0.0	N
3	STD3 580-379142/11	50.0	0.0	100.0	54246.0	0.0	N
4	STD4 580-379142/10	100.0	17.229114	100.0	57635.0	0.172291	Y
5	STD5 580-379142/9	200.0	50.994328	100.0	60644.0	0.254972	Y
6	STD6 580-379142/8	500.0	169.256002	100.0	63105.0	0.338512	Y
7	STD7IS 580-379142/7	1000.0	395.57056	100.0	65313.0	0.395571	Y
8	STD8 580-379142/6	2000.0	780.004851	100.0	65966.0	0.390002	Y
9	STD9 580-379142/5	5000.0	1976.63421	100.0	69529.0	0.395327	Y
10	STD10 580-379142/4	10000.0	3928.03533	100.0	65553.0	0.392804	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

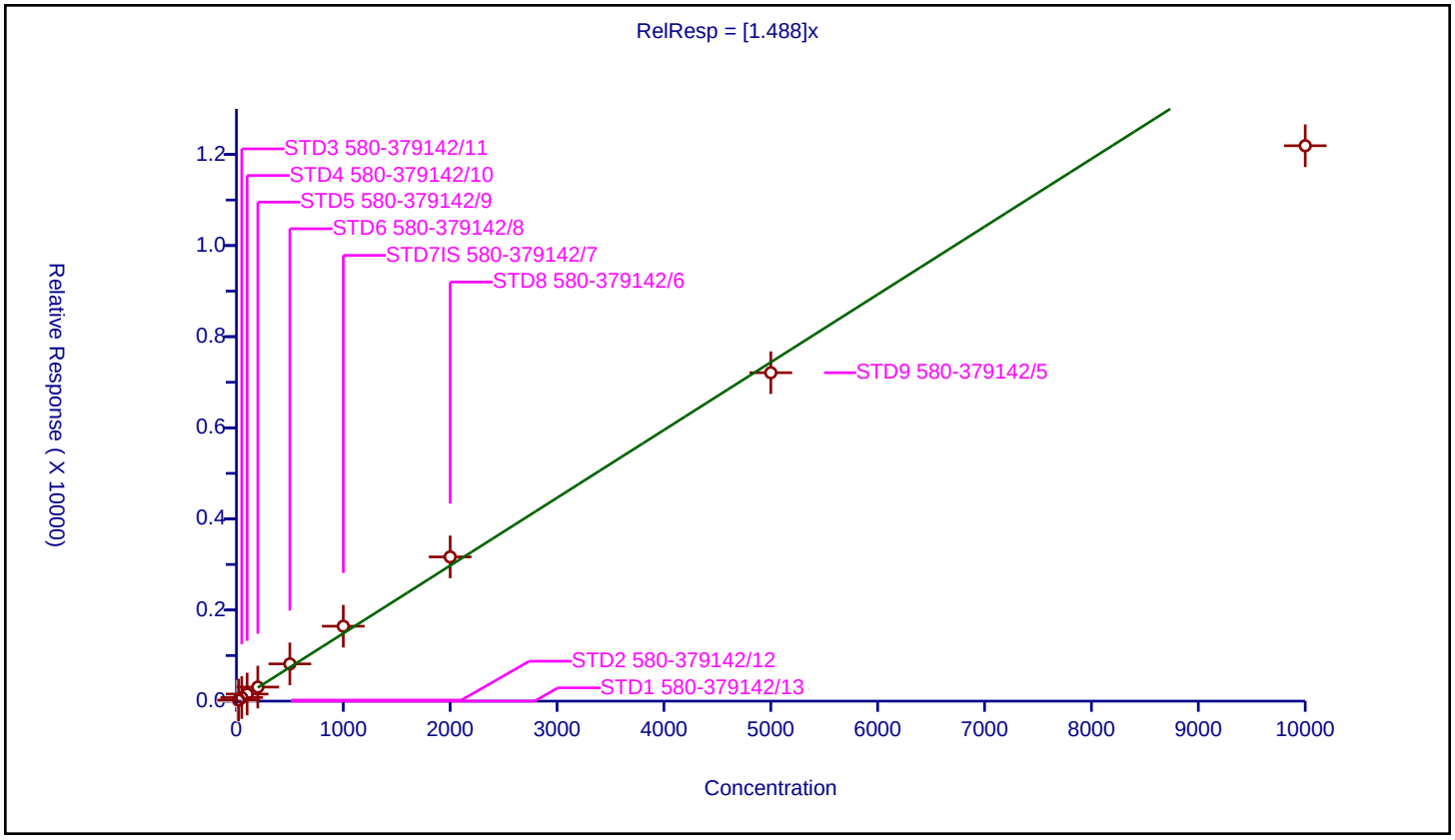
Curve Coefficients

Intercept:	0
Slope:	1.488

Error Coefficients

Standard Error:	3440000
Relative Standard Error:	11.4
Correlation Coefficient:	0.986
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	0.0	100.0	41597.0	0.0	N
2	STD2 580-379142/12	20.0	23.942659	100.0	50575.0	1.197133	Y
3	STD3 580-379142/11	50.0	78.472145	100.0	54246.0	1.569443	Y
4	STD4 580-379142/10	100.0	155.625922	100.0	57635.0	1.556259	Y
5	STD5 580-379142/9	200.0	308.751072	100.0	60644.0	1.543755	Y
6	STD6 580-379142/8	500.0	817.642025	100.0	63105.0	1.635284	Y
7	STD7IS 580-379142/7	1000.0	1644.588367	100.0	65313.0	1.644588	Y
8	STD8 580-379142/6	2000.0	3166.140133	100.0	65966.0	1.58307	Y
9	STD9 580-379142/5	5000.0	7209.446418	100.0	69529.0	1.441889	Y
10	STD10 580-379142/4	10000.0	12191.262032	100.0	65553.0	1.219126	Y



Calibration / 2,3,5,6-Tetrachlorophenol

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

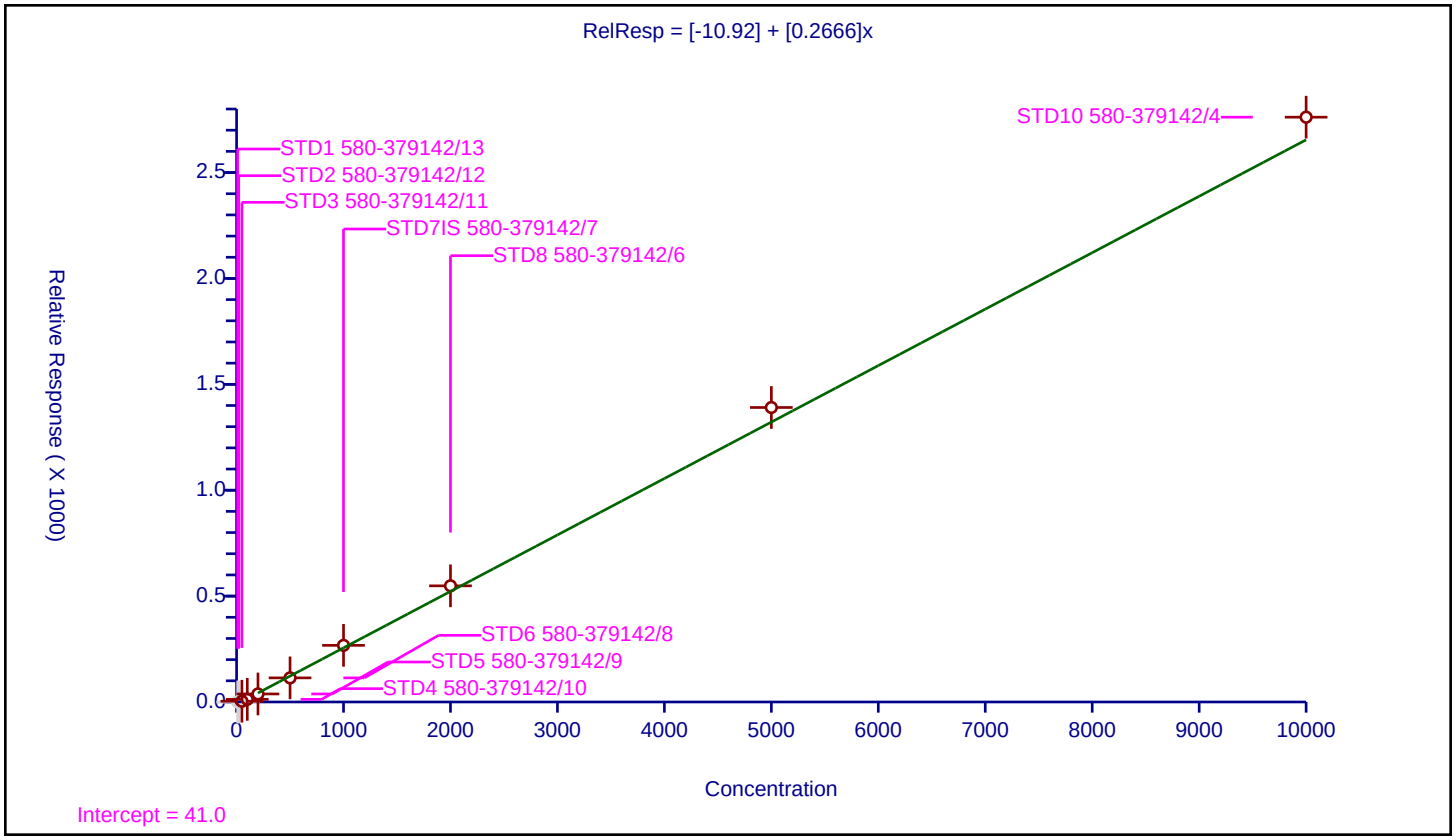
Curve Coefficients

Intercept:	-10.92
Slope:	0.2666

Error Coefficients

Standard Error:	853000
Relative Standard Error:	8.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	0.0	100.0	41597.0	0.0	N
2	STD2 580-379142/12	20.0	0.0	100.0	50575.0	0.0	N
3	STD3 580-379142/11	50.0	3.532058	100.0	54246.0	0.070641	Y
4	STD4 580-379142/10	100.0	12.443828	100.0	57635.0	0.124438	Y
5	STD5 580-379142/9	200.0	37.964184	100.0	60644.0	0.189821	Y
6	STD6 580-379142/8	500.0	113.905396	100.0	63105.0	0.227811	Y
7	STD7IS 580-379142/7	1000.0	267.378623	100.0	65313.0	0.267379	Y
8	STD8 580-379142/6	2000.0	548.482552	100.0	65966.0	0.274241	Y
9	STD9 580-379142/5	5000.0	1390.549267	100.0	69529.0	0.27811	Y
10	STD10 580-379142/4	10000.0	2761.507482	100.0	65553.0	0.276151	Y



Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

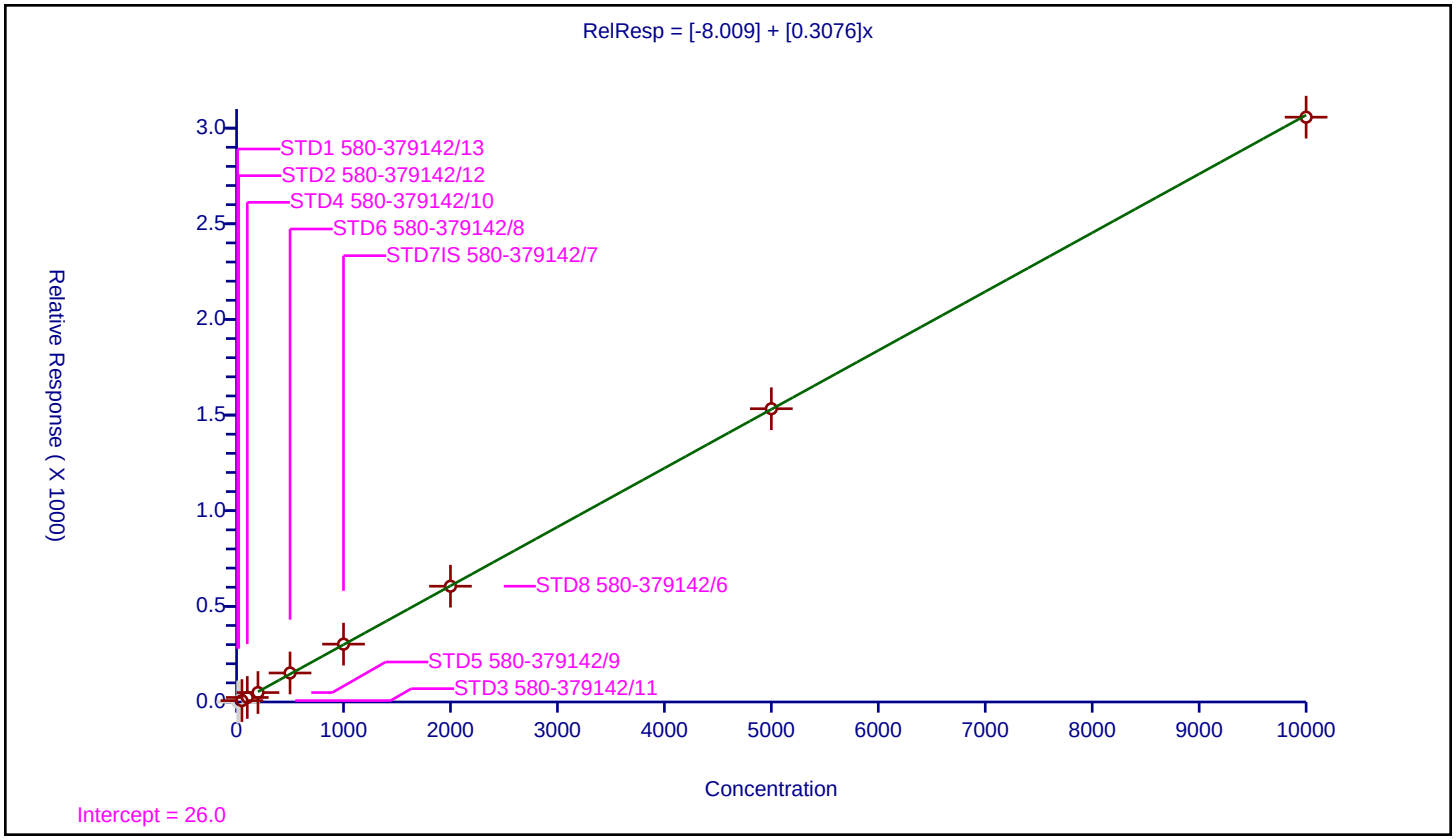
Curve Coefficients

Intercept:	-8.009
Slope:	0.3076

Error Coefficients

Standard Error:	944000
Relative Standard Error:	3.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	0.0	100.0	41597.0	0.0	N
2	STD2 580-379142/12	20.0	0.0	100.0	50575.0	0.0	N
3	STD3 580-379142/11	50.0	7.368285	100.0	54246.0	0.147366	Y
4	STD4 580-379142/10	100.0	23.563807	100.0	57635.0	0.235638	Y
5	STD5 580-379142/9	200.0	49.309083	100.0	60644.0	0.246545	Y
6	STD6 580-379142/8	500.0	151.568022	100.0	63105.0	0.303136	Y
7	STD7IS 580-379142/7	1000.0	302.478833	100.0	65313.0	0.302479	Y
8	STD8 580-379142/6	2000.0	605.261802	100.0	65966.0	0.302631	Y
9	STD9 580-379142/5	5000.0	1533.19622	100.0	69529.0	0.306639	Y
10	STD10 580-379142/4	10000.0	3057.310878	100.0	65553.0	0.305731	Y



Calibration / Diethyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

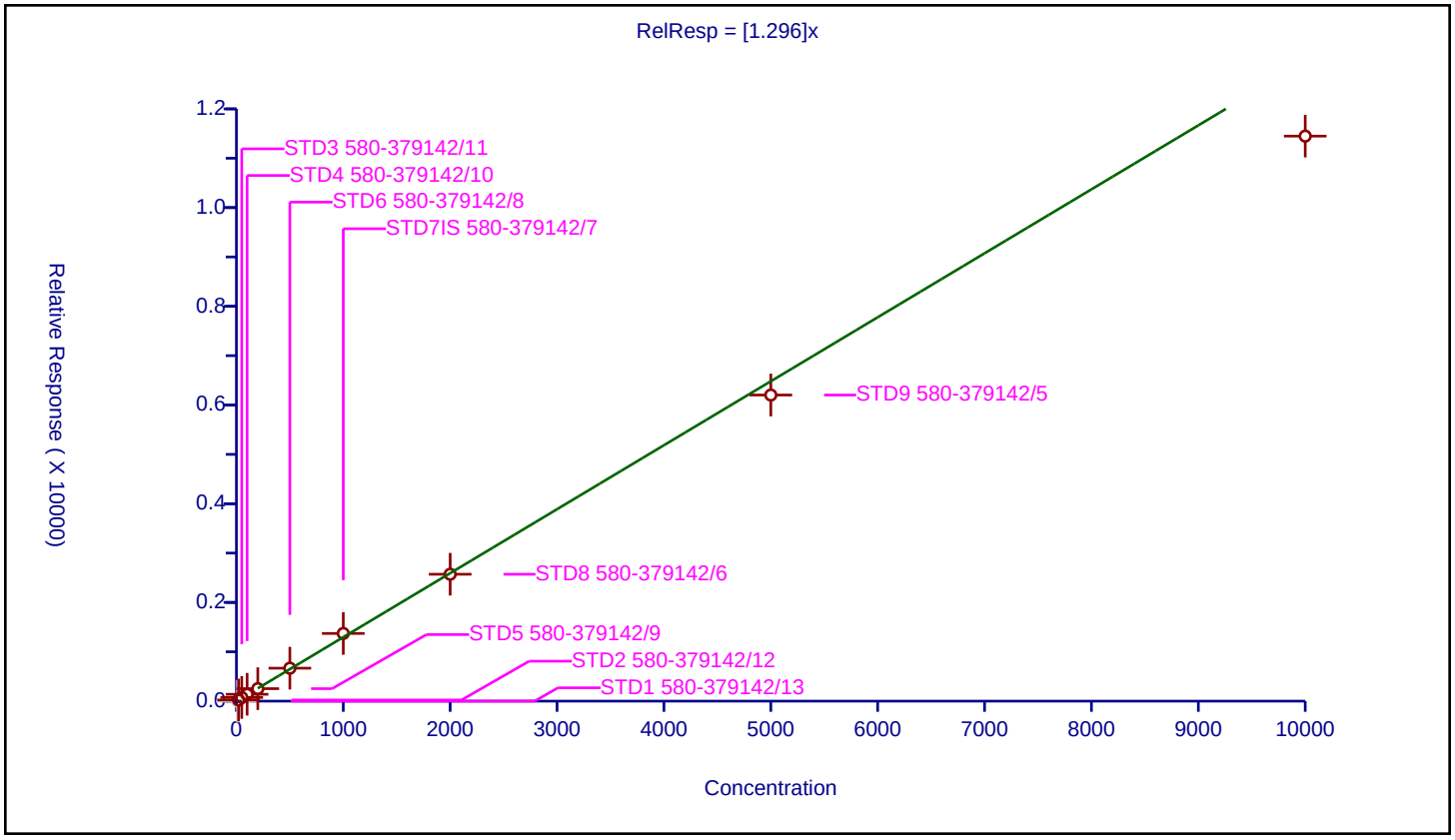
Curve Coefficients

Intercept:	0
Slope:	1.296

Error Coefficients

Standard Error:	3130000
Relative Standard Error:	8.5
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	0.0	100.0	41597.0	0.0	N
2	STD2 580-379142/12	20.0	23.070687	100.0	50575.0	1.153534	Y
3	STD3 580-379142/11	50.0	74.033108	100.0	54246.0	1.480662	Y
4	STD4 580-379142/10	100.0	139.063069	100.0	57635.0	1.390631	Y
5	STD5 580-379142/9	200.0	252.73234	100.0	60644.0	1.263662	Y
6	STD6 580-379142/8	500.0	667.622217	100.0	63105.0	1.335244	Y
7	STD7IS 580-379142/7	1000.0	1371.582993	100.0	65313.0	1.371583	Y
8	STD8 580-379142/6	2000.0	2571.262469	100.0	65966.0	1.285631	Y
9	STD9 580-379142/5	5000.0	6202.43927	100.0	69529.0	1.240488	Y
10	STD10 580-379142/4	10000.0	11448.47528	100.0	65553.0	1.144848	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

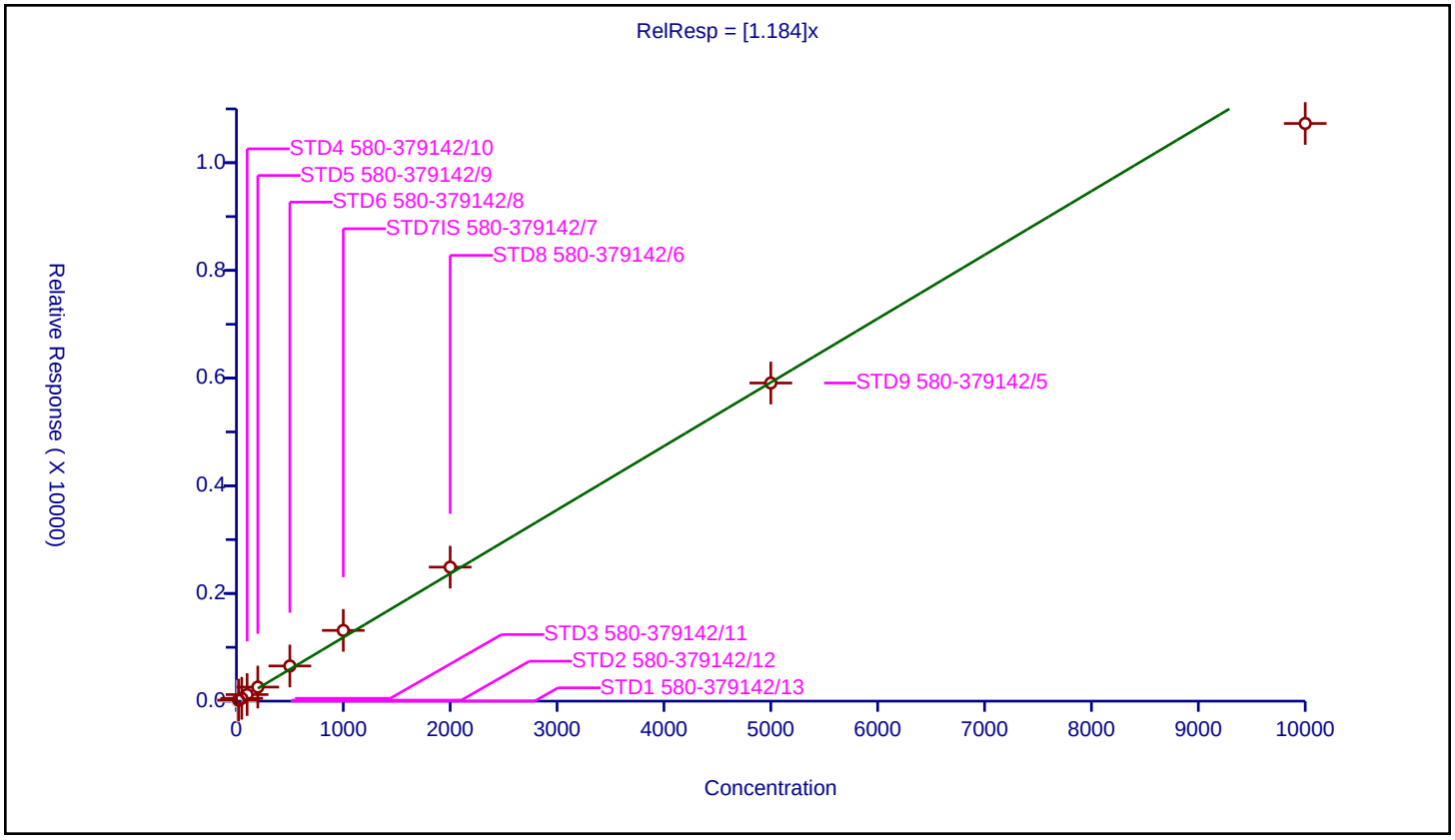
Curve Coefficients

Intercept:	0
Slope:	1.184

Error Coefficients

Standard Error:	2950000
Relative Standard Error:	10.9
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	0.0	100.0	41597.0	0.0	N
2	STD2 580-379142/12	20.0	19.064755	100.0	50575.0	0.953238	Y
3	STD3 580-379142/11	50.0	52.929248	100.0	54246.0	1.058585	Y
4	STD4 580-379142/10	100.0	121.804459	100.0	57635.0	1.218045	Y
5	STD5 580-379142/9	200.0	261.40591	100.0	60644.0	1.30703	Y
6	STD6 580-379142/8	500.0	653.322241	100.0	63105.0	1.306644	Y
7	STD7IS 580-379142/7	1000.0	1313.516452	100.0	65313.0	1.313516	Y
8	STD8 580-379142/6	2000.0	2489.094382	100.0	65966.0	1.244547	Y
9	STD9 580-379142/5	5000.0	5908.740238	100.0	69529.0	1.181748	Y
10	STD10 580-379142/4	10000.0	10729.414367	100.0	65553.0	1.072941	Y



Calibration / 4-Chlorophenyl phenyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

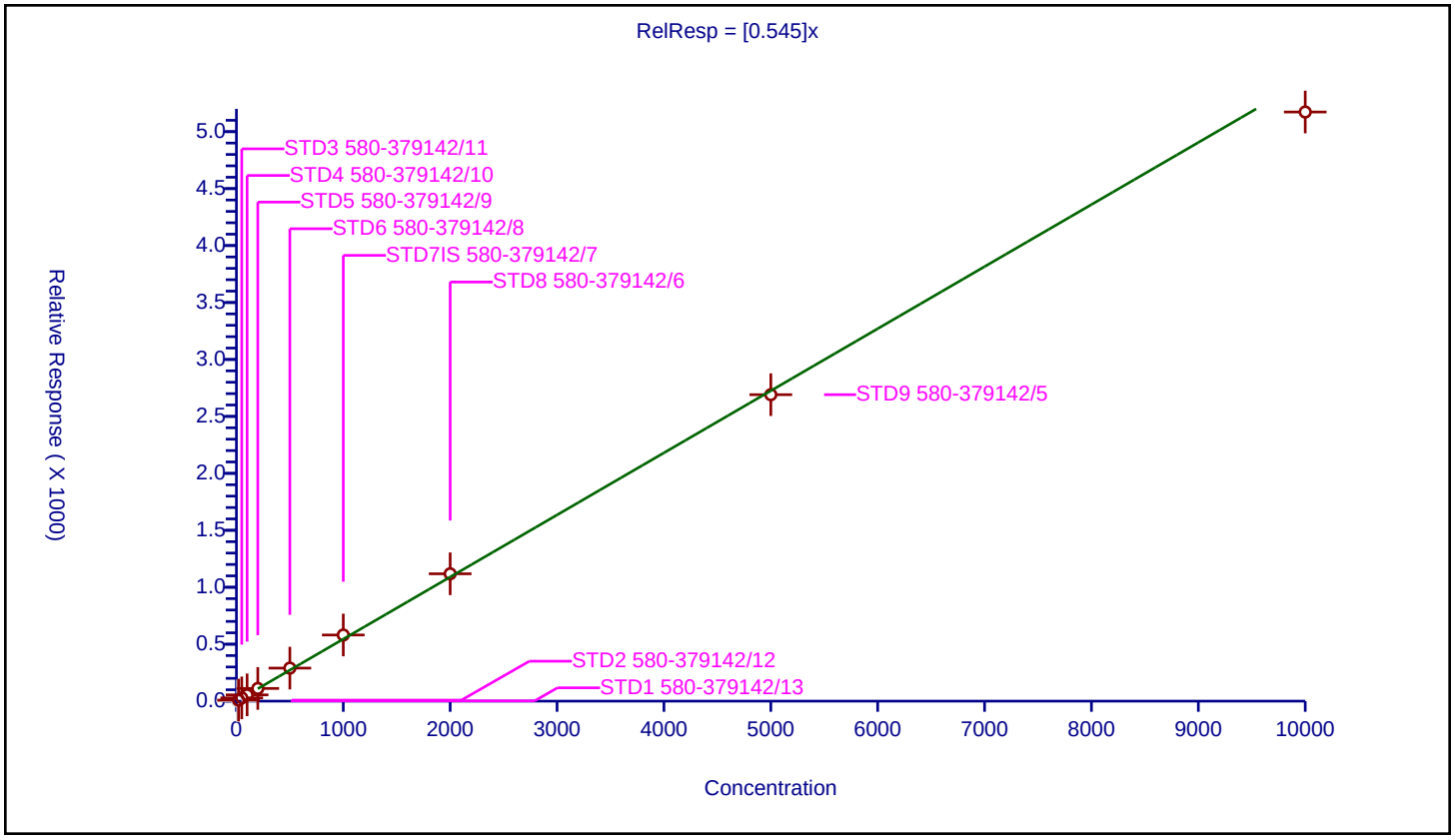
Curve Coefficients

Intercept:	0
Slope:	0.545

Error Coefficients

Standard Error:	1400000
Relative Standard Error:	7.6
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	2.541049	100.0	41597.0	0.254105	N
2	STD2 580-379142/12	20.0	8.968858	100.0	50575.0	0.448443	Y
3	STD3 580-379142/11	50.0	28.739446	100.0	54246.0	0.574789	Y
4	STD4 580-379142/10	100.0	54.97354	100.0	57635.0	0.549735	Y
5	STD5 580-379142/9	200.0	111.3416	100.0	60644.0	0.556708	Y
6	STD6 580-379142/8	500.0	290.059425	100.0	63105.0	0.580119	Y
7	STD7IS 580-379142/7	1000.0	580.847611	100.0	65313.0	0.580848	Y
8	STD8 580-379142/6	2000.0	1118.133584	100.0	65966.0	0.559067	Y
9	STD9 580-379142/5	5000.0	2690.70316	100.0	69529.0	0.538141	Y
10	STD10 580-379142/4	10000.0	5172.541302	100.0	65553.0	0.517254	Y



Calibration / 4-Nitroaniline

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

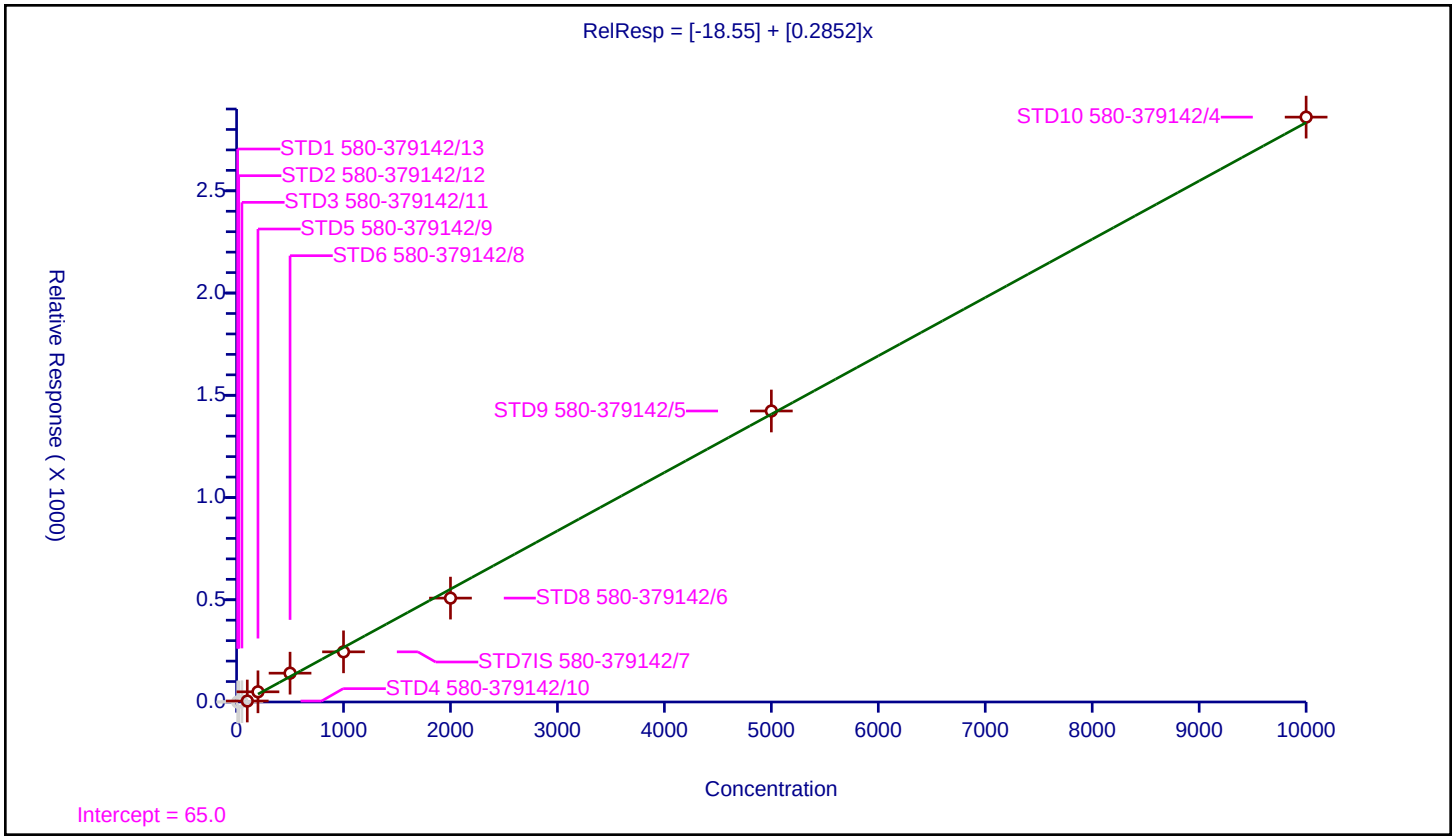
Curve Coefficients

Intercept:	-18.55
Slope:	0.2852

Error Coefficients

Standard Error:	962000
Relative Standard Error:	14.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	0.0	100.0	41597.0	0.0	N
2	STD2 580-379142/12	20.0	0.0	100.0	50575.0	0.0	N
3	STD3 580-379142/11	50.0	1.544814	100.0	54246.0	0.030896	N
4	STD4 580-379142/10	100.0	4.750586	100.0	57635.0	0.047506	Y
5	STD5 580-379142/9	200.0	49.701537	100.0	60644.0	0.248508	Y
6	STD6 580-379142/8	500.0	140.909595	100.0	63105.0	0.281819	Y
7	STD7IS 580-379142/7	1000.0	245.236017	100.0	65313.0	0.245236	Y
8	STD8 580-379142/6	2000.0	508.089016	100.0	65966.0	0.254045	Y
9	STD9 580-379142/5	5000.0	1423.122726	100.0	69529.0	0.284625	Y
10	STD10 580-379142/4	10000.0	2860.38015	100.0	65553.0	0.286038	Y



Calibration / 4,6-Dinitro-2-methylphenol

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

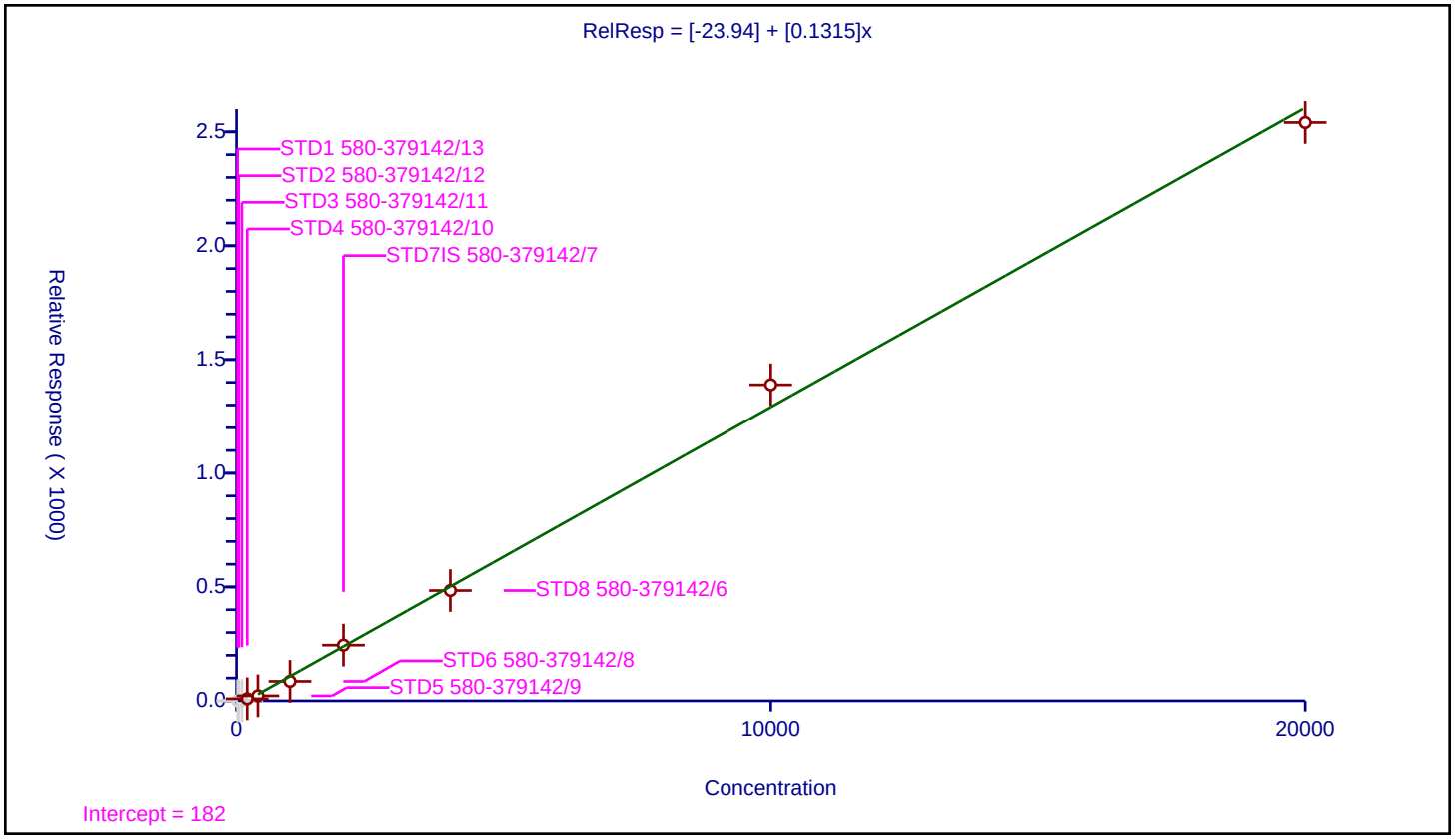
Curve Coefficients

Intercept:	-23.94
Slope:	0.1315

Error Coefficients

Standard Error:	1400000
Relative Standard Error:	15.2
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	20.0	0.0	100.0	50974.0	0.0	N
2	STD2 580-379142/12	40.0	0.0	100.0	65799.0	0.0	N
3	STD3 580-379142/11	100.0	1.45766	100.0	75532.0	0.014577	N
4	STD4 580-379142/10	200.0	9.040835	100.0	82968.0	0.045204	Y
5	STD5 580-379142/9	400.0	22.077279	100.0	90840.0	0.055193	Y
6	STD6 580-379142/8	1000.0	85.584228	100.0	99516.0	0.085584	Y
7	STD7IS 580-379142/7	2000.0	244.572243	100.0	94680.0	0.122286	Y
8	STD8 580-379142/6	4000.0	484.406221	100.0	103195.0	0.121102	Y
9	STD9 580-379142/5	10000.0	1389.254719	100.0	103934.0	0.138925	Y
10	STD10 580-379142/4	20000.0	2541.19103	100.0	107067.0	0.12706	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

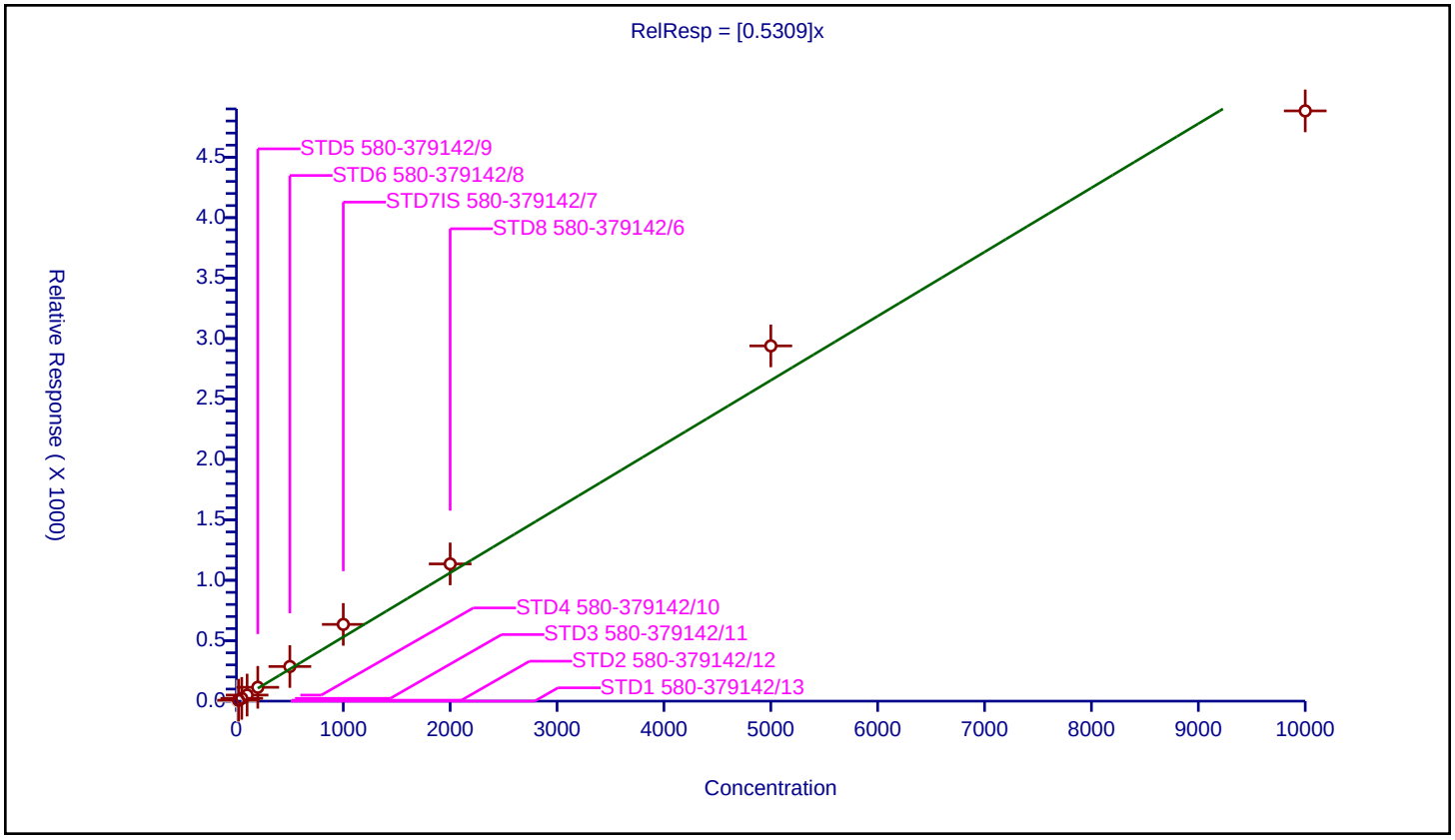
Curve Coefficients

Intercept:	0
Slope:	0.5309

Error Coefficients

Standard Error:	2190000
Relative Standard Error:	14.4
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.978

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	0.0	100.0	50974.0	0.0	N
2	STD2 580-379142/12	20.0	7.793432	100.0	65799.0	0.389672	Y
3	STD3 580-379142/11	50.0	23.026002	100.0	75532.0	0.46052	Y
4	STD4 580-379142/10	100.0	50.291679	100.0	82968.0	0.502917	Y
5	STD5 580-379142/9	200.0	114.476002	100.0	90840.0	0.57238	Y
6	STD6 580-379142/8	500.0	286.637325	100.0	99516.0	0.573275	Y
7	STD7IS 580-379142/7	1000.0	635.015843	100.0	94680.0	0.635016	Y
8	STD8 580-379142/6	2000.0	1135.489123	100.0	103195.0	0.567745	Y
9	STD9 580-379142/5	5000.0	2939.216233	100.0	103934.0	0.587843	Y
10	STD10 580-379142/4	10000.0	4883.510325	100.0	107067.0	0.488351	Y



Calibration / Azobenzene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

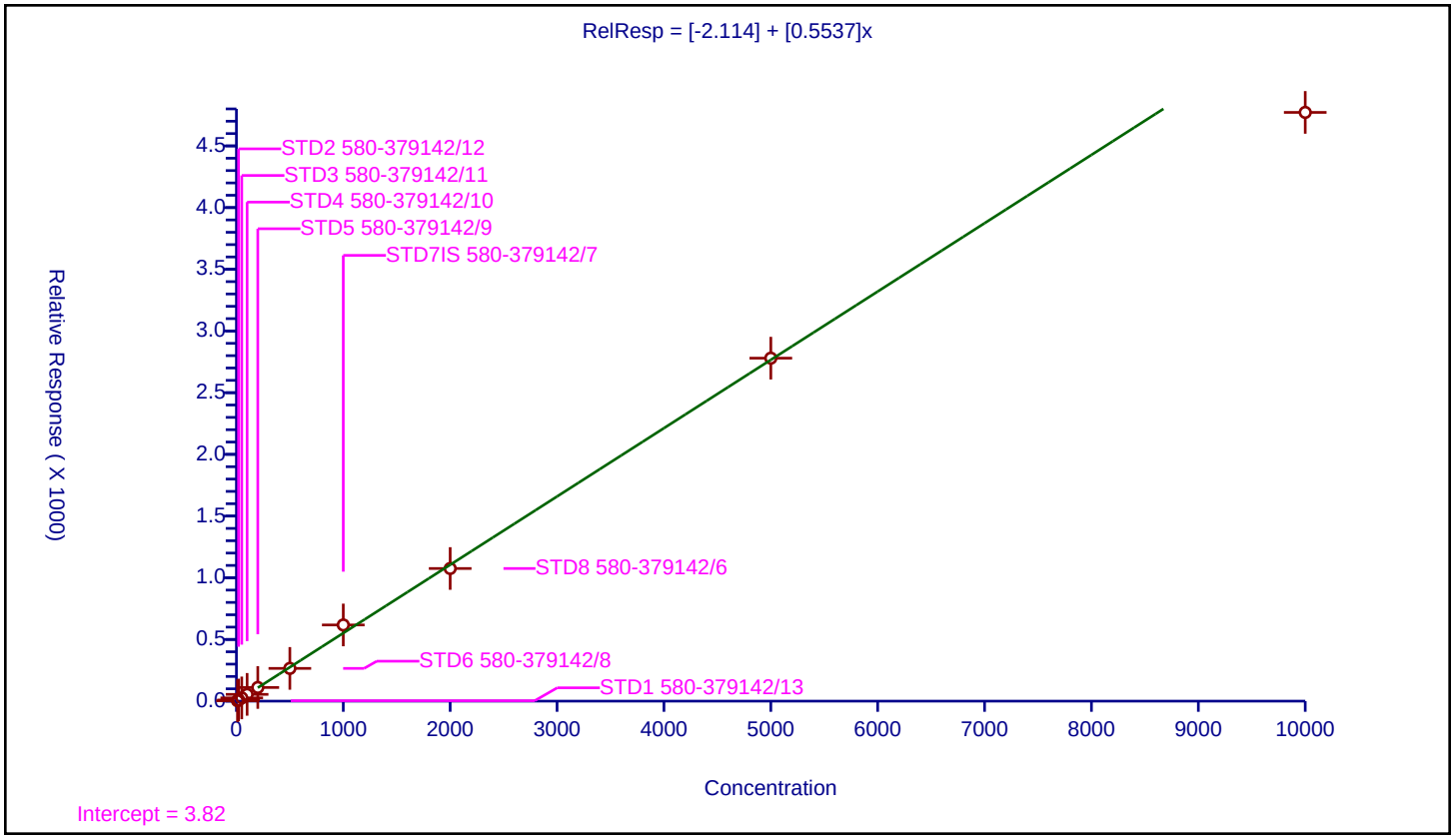
Curve Coefficients

Intercept:	-2.114
Slope:	0.5537

Error Coefficients

Standard Error:	2120000
Relative Standard Error:	6.9
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	3.311492	100.0	50974.0	0.331149	Y
2	STD2 580-379142/12	20.0	9.205307	100.0	65799.0	0.460265	Y
3	STD3 580-379142/11	50.0	26.22597	100.0	75532.0	0.524519	Y
4	STD4 580-379142/10	100.0	54.934433	100.0	82968.0	0.549344	Y
5	STD5 580-379142/9	200.0	110.64509	100.0	90840.0	0.553225	Y
6	STD6 580-379142/8	500.0	265.407573	100.0	99516.0	0.530815	Y
7	STD7IS 580-379142/7	1000.0	617.530629	100.0	94680.0	0.617531	Y
8	STD8 580-379142/6	2000.0	1075.00751	100.0	103195.0	0.537504	Y
9	STD9 580-379142/5	5000.0	2779.675563	100.0	103934.0	0.555935	Y
10	STD10 580-379142/4	10000.0	4771.475805	100.0	107067.0	0.477148	Y



Calibration / 2,4,6-Tribromophenol

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

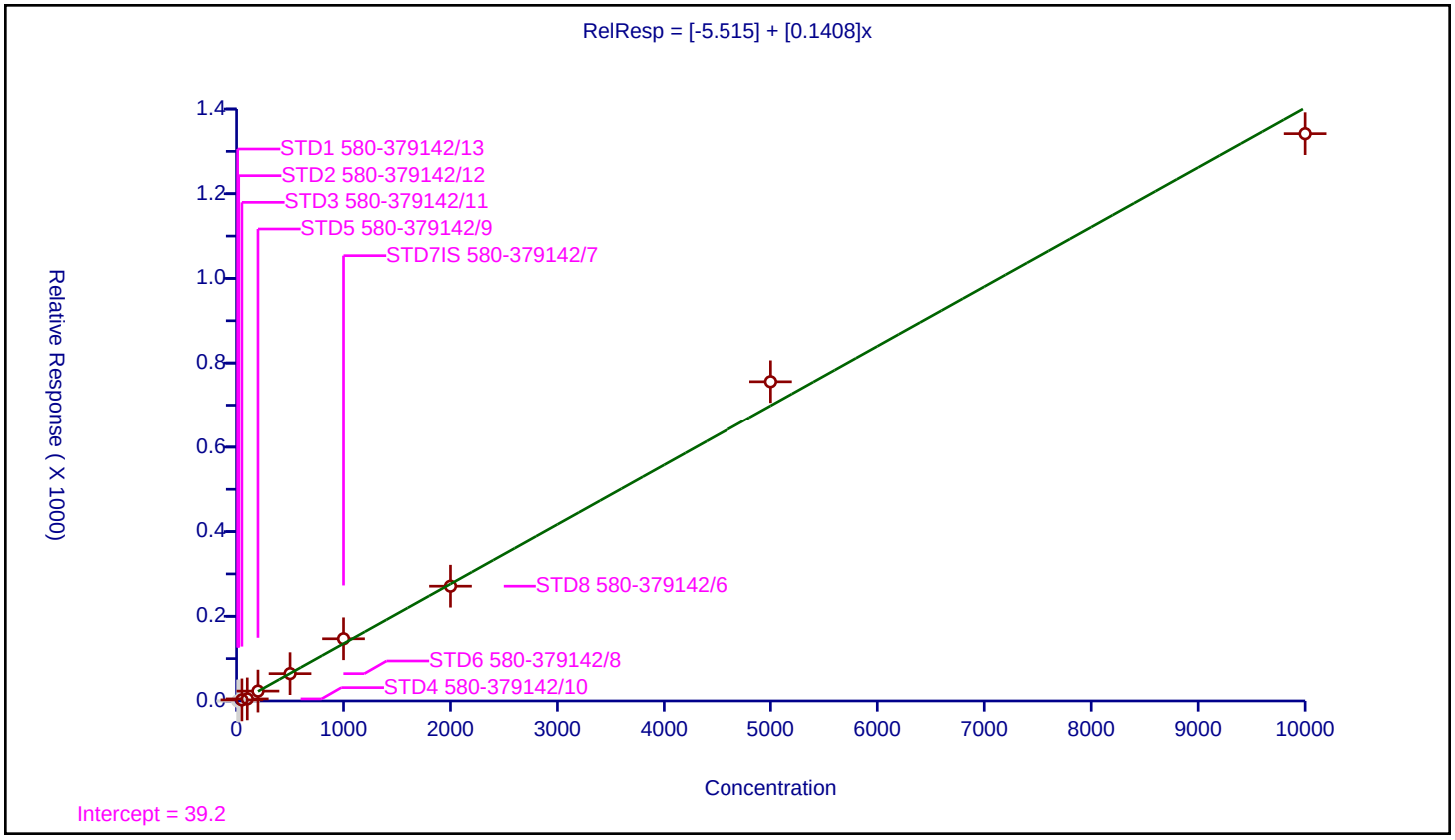
Curve Coefficients

Intercept:	-5.515
Slope:	0.1408

Error Coefficients

Standard Error:	680000
Relative Standard Error:	13.3
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	0.0	100.0	50974.0	0.0	N
2	STD2 580-379142/12	20.0	0.0	100.0	65799.0	0.0	N
3	STD3 580-379142/11	50.0	2.540645	100.0	75532.0	0.050813	Y
4	STD4 580-379142/10	100.0	4.859705	100.0	82968.0	0.048597	Y
5	STD5 580-379142/9	200.0	23.316821	100.0	90840.0	0.116584	Y
6	STD6 580-379142/8	500.0	64.525302	100.0	99516.0	0.129051	Y
7	STD7IS 580-379142/7	1000.0	146.837769	100.0	94680.0	0.146838	Y
8	STD8 580-379142/6	2000.0	271.022821	100.0	103195.0	0.135511	Y
9	STD9 580-379142/5	5000.0	755.865261	100.0	103934.0	0.151173	Y
10	STD10 580-379142/4	10000.0	1341.793456	100.0	107067.0	0.134179	Y



Calibration / 4-Bromophenyl phenyl ether

Curve Type:	Quadratic
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

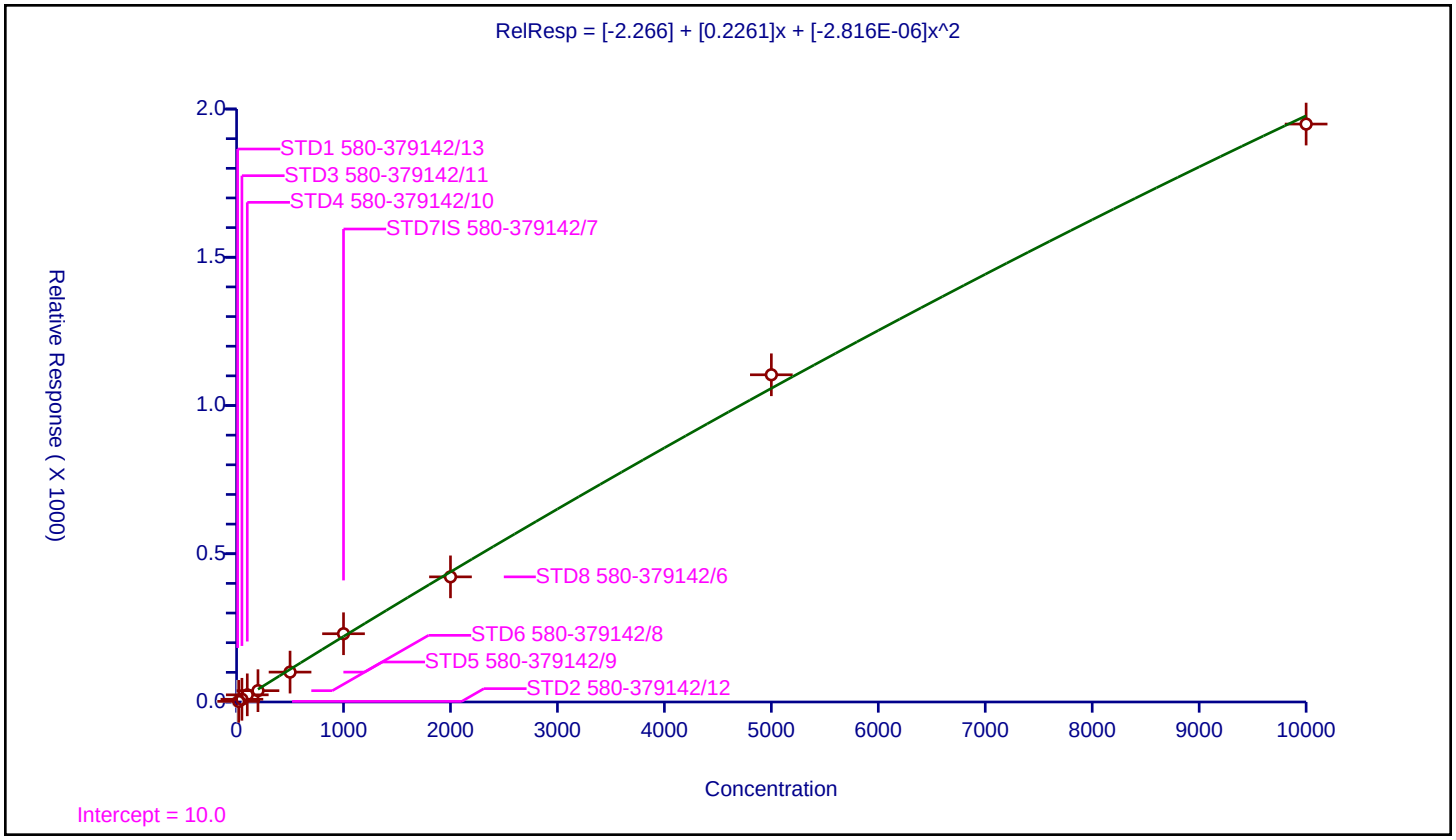
Curve Coefficients

Intercept:	-2.266
Slope:	0.2261
Second Order:	-2.816E-06

Error Coefficients

Standard Error:	992000
Relative Standard Error:	9.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	2.367874	100.0	50974.0	0.236787	N
2	STD2 580-379142/12	20.0	2.144409	100.0	65799.0	0.10722	Y
3	STD3 580-379142/11	50.0	9.136525	100.0	75532.0	0.18273	Y
4	STD4 580-379142/10	100.0	24.137017	100.0	82968.0	0.24137	Y
5	STD5 580-379142/9	200.0	38.166006	100.0	90840.0	0.19083	Y
6	STD6 580-379142/8	500.0	100.797862	100.0	99516.0	0.201596	Y
7	STD7IS 580-379142/7	1000.0	230.232362	100.0	94680.0	0.230232	Y
8	STD8 580-379142/6	2000.0	422.096032	100.0	103195.0	0.211048	Y
9	STD9 580-379142/5	5000.0	1103.643658	100.0	103934.0	0.220729	Y
10	STD10 580-379142/4	10000.0	1949.230855	100.0	107067.0	0.194923	Y



Calibration / Hexachlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

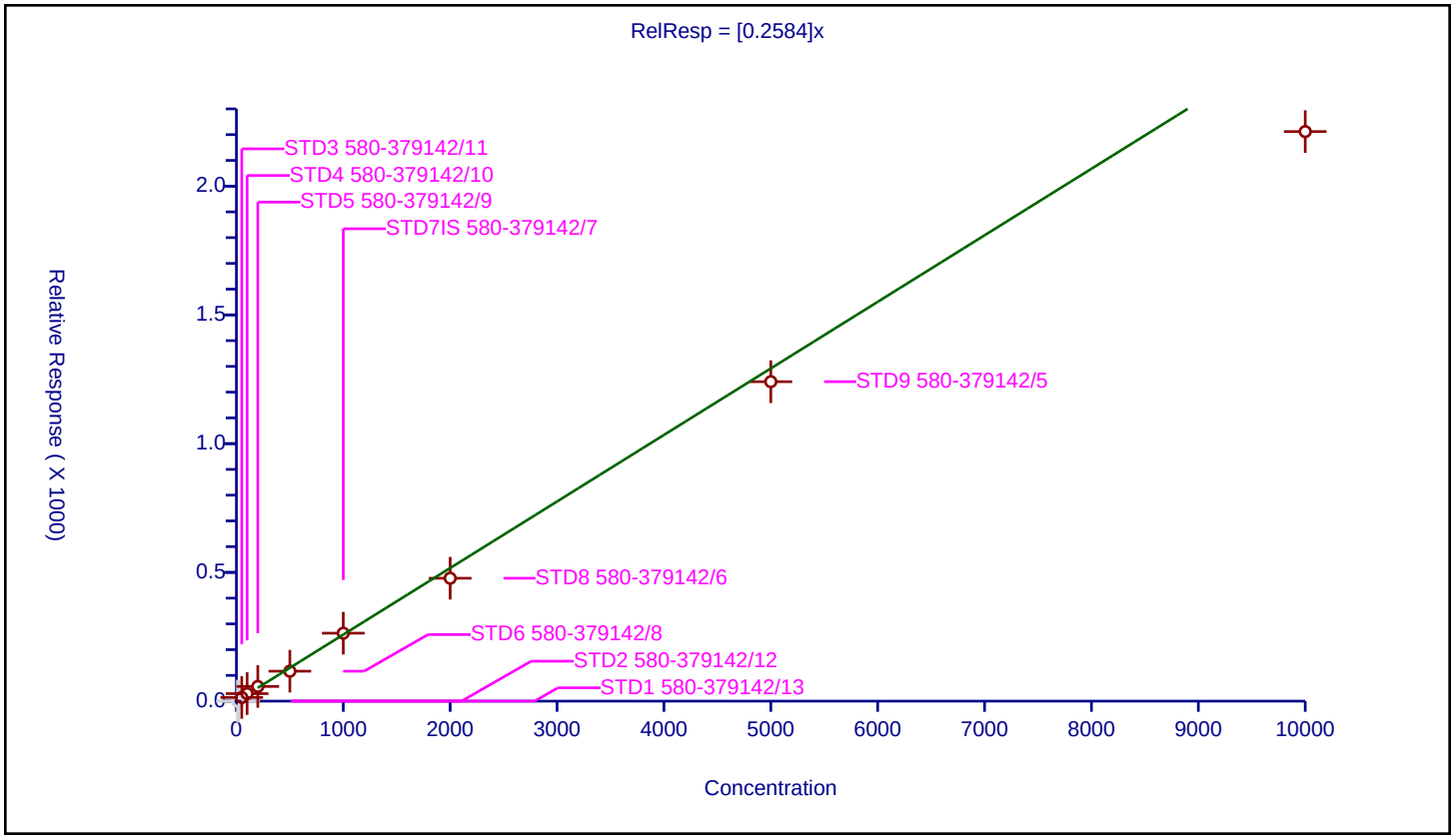
Curve Coefficients

Intercept:	0
Slope:	0.2584

Error Coefficients

Standard Error:	1040000
Relative Standard Error:	10.5
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	0.0	100.0	50974.0	0.0	N
2	STD2 580-379142/12	20.0	0.0	100.0	65799.0	0.0	N
3	STD3 580-379142/11	50.0	14.281364	100.0	75532.0	0.285627	Y
4	STD4 580-379142/10	100.0	29.210057	100.0	82968.0	0.292101	Y
5	STD5 580-379142/9	200.0	57.075077	100.0	90840.0	0.285375	Y
6	STD6 580-379142/8	500.0	116.27276	100.0	99516.0	0.232546	Y
7	STD7IS 580-379142/7	1000.0	263.860372	100.0	94680.0	0.26386	Y
8	STD8 580-379142/6	2000.0	477.330297	100.0	103195.0	0.238665	Y
9	STD9 580-379142/5	5000.0	1240.658495	100.0	103934.0	0.248132	Y
10	STD10 580-379142/4	10000.0	2211.908431	100.0	107067.0	0.221191	Y



Calibration / Atrazine

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

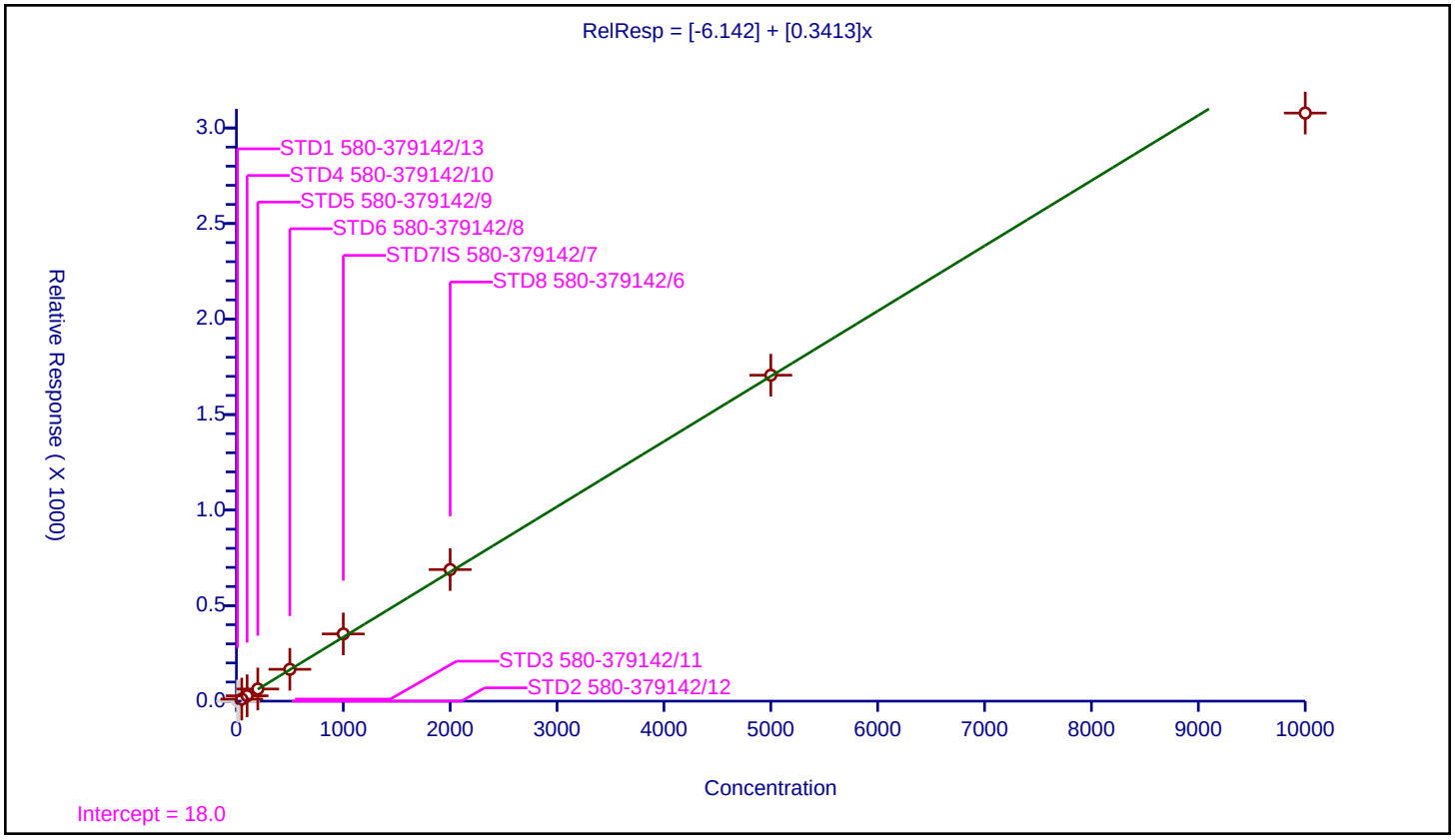
Curve Coefficients

Intercept:	-6.142
Slope:	0.3413

Error Coefficients

Standard Error:	977000
Relative Standard Error:	4.6
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	0.0	100.0	41597.0	0.0	N
2	STD2 580-379142/12	20.0	0.0	100.0	50575.0	0.0	N
3	STD3 580-379142/11	50.0	10.736275	100.0	54246.0	0.214726	Y
4	STD4 580-379142/10	100.0	28.133946	100.0	57635.0	0.281339	Y
5	STD5 580-379142/9	200.0	63.584196	100.0	60644.0	0.317921	Y
6	STD6 580-379142/8	500.0	166.617542	100.0	63105.0	0.333235	Y
7	STD7IS 580-379142/7	1000.0	351.744676	100.0	65313.0	0.351745	Y
8	STD8 580-379142/6	2000.0	688.82303	100.0	65966.0	0.344412	Y
9	STD9 580-379142/5	5000.0	1706.206044	100.0	69529.0	0.341241	Y
10	STD10 580-379142/4	10000.0	3078.126096	100.0	65553.0	0.307813	Y



Calibration / Pentachlorophenol

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

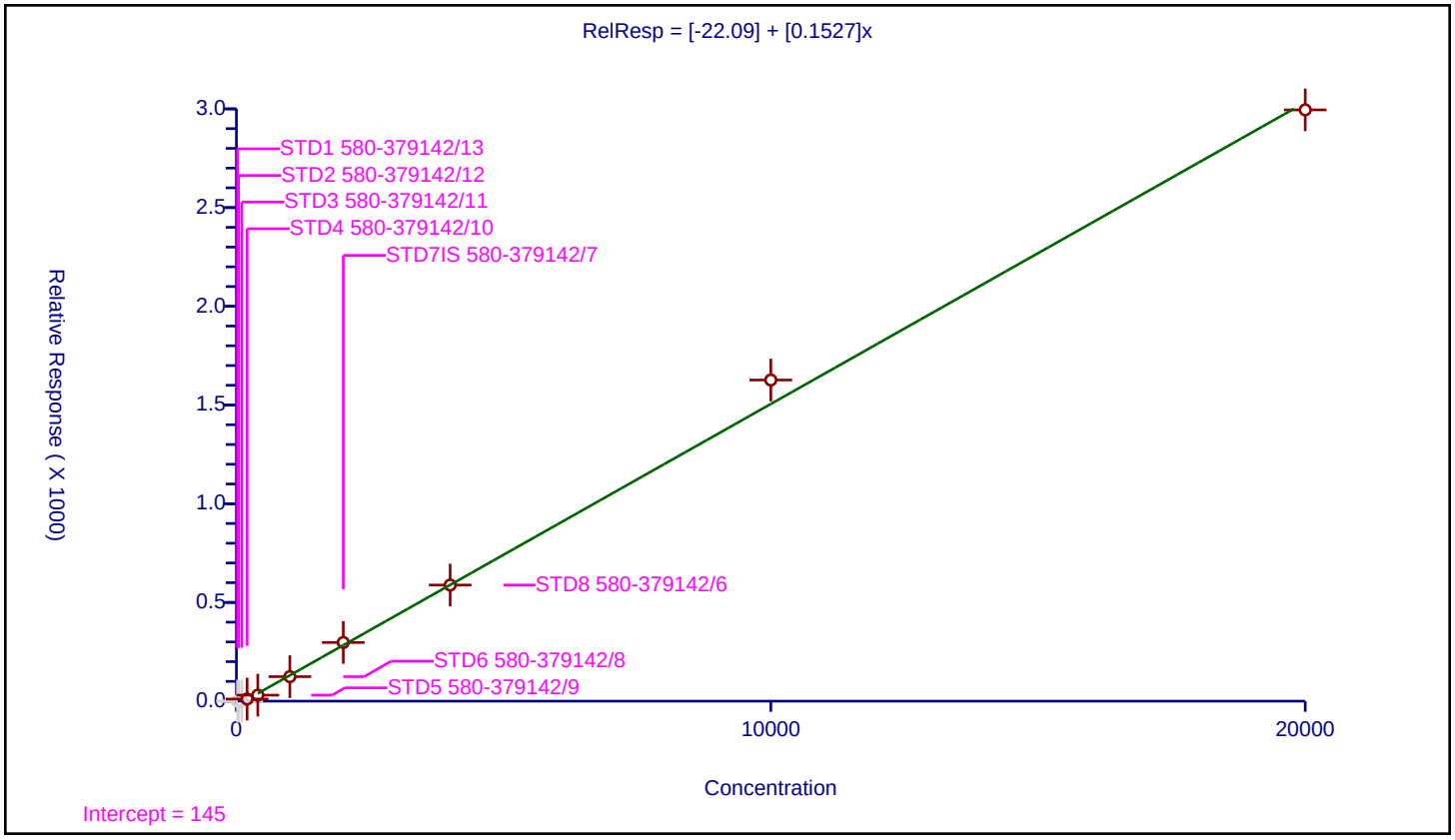
Curve Coefficients

Intercept:	-22.09
Slope:	0.1527

Error Coefficients

Standard Error:	1650000
Relative Standard Error:	8.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	20.0	0.0	100.0	50974.0	0.0	N
2	STD2 580-379142/12	40.0	0.0	100.0	65799.0	0.0	N
3	STD3 580-379142/11	100.0	0.0	100.0	75532.0	0.0	N
4	STD4 580-379142/10	200.0	10.693279	100.0	82968.0	0.053466	Y
5	STD5 580-379142/9	400.0	30.402906	100.0	90840.0	0.076007	Y
6	STD6 580-379142/8	1000.0	123.996141	100.0	99516.0	0.123996	Y
7	STD7IS 580-379142/7	2000.0	297.206379	100.0	94680.0	0.148603	Y
8	STD8 580-379142/6	4000.0	588.128301	100.0	103195.0	0.147032	Y
9	STD9 580-379142/5	10000.0	1626.594762	100.0	103934.0	0.162659	Y
10	STD10 580-379142/4	20000.0	2994.901323	100.0	107067.0	0.149745	Y



Calibration / n-Octadecane

Curve Type:	Quadratic
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

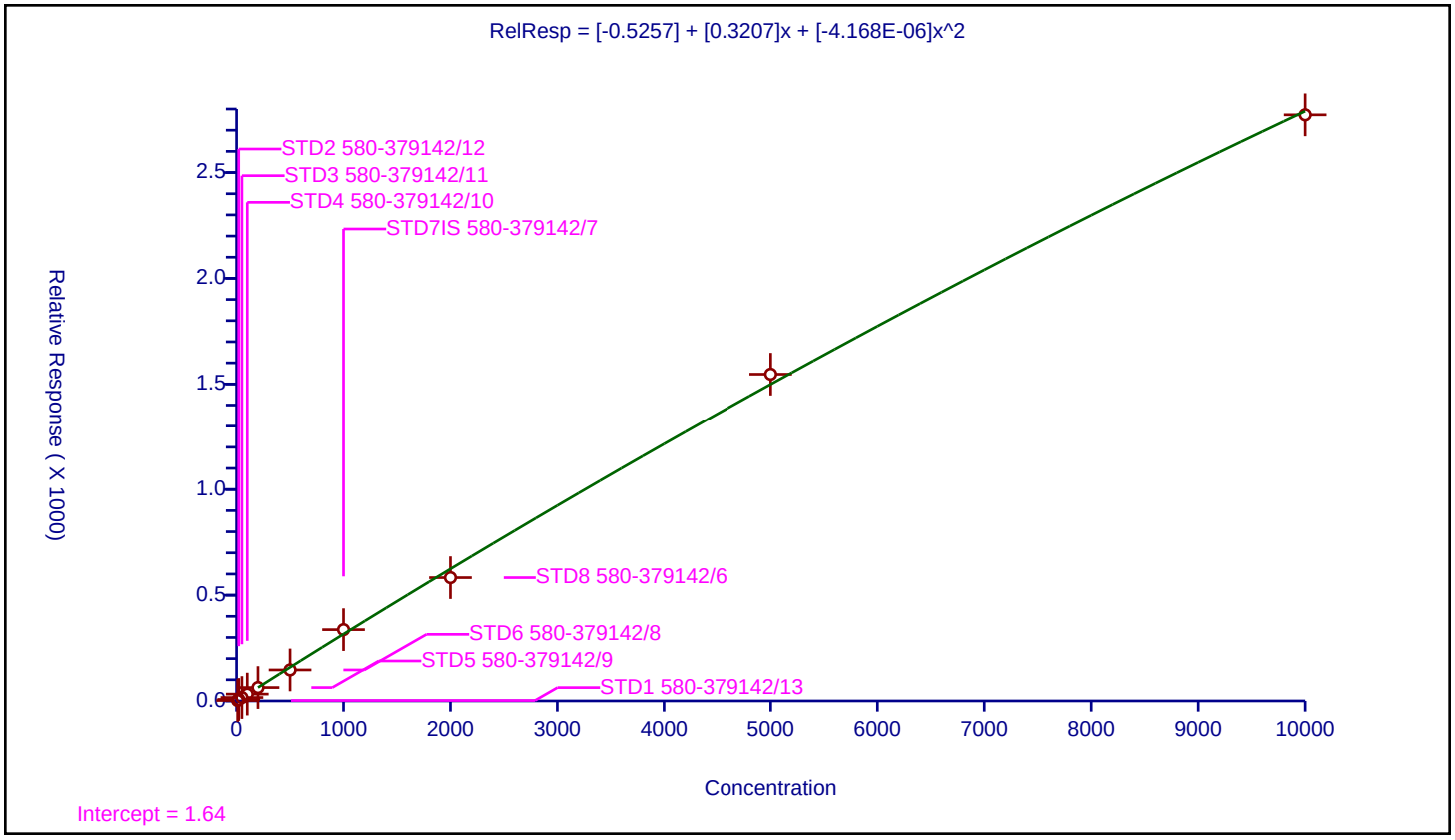
Curve Coefficients

Intercept:	-0.5257
Slope:	0.3207
Second Order:	-4.168E-06

Error Coefficients

Standard Error:	1300000
Relative Standard Error:	11.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	2.024562	100.0	50974.0	0.202456	Y
2	STD2 580-379142/12	20.0	7.104971	100.0	65799.0	0.355249	Y
3	STD3 580-379142/11	50.0	16.148123	100.0	75532.0	0.322962	Y
4	STD4 580-379142/10	100.0	32.378748	100.0	82968.0	0.323787	Y
5	STD5 580-379142/9	200.0	63.303611	100.0	90840.0	0.316518	Y
6	STD6 580-379142/8	500.0	146.471924	100.0	99516.0	0.292944	Y
7	STD7IS 580-379142/7	1000.0	337.065906	100.0	94680.0	0.337066	Y
8	STD8 580-379142/6	2000.0	582.928436	100.0	103195.0	0.291464	Y
9	STD9 580-379142/5	5000.0	1546.339985	100.0	103934.0	0.309268	Y
10	STD10 580-379142/4	10000.0	2772.568579	100.0	107067.0	0.277257	Y



Calibration / Phenanthrene

Curve Type:	Quadratic
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

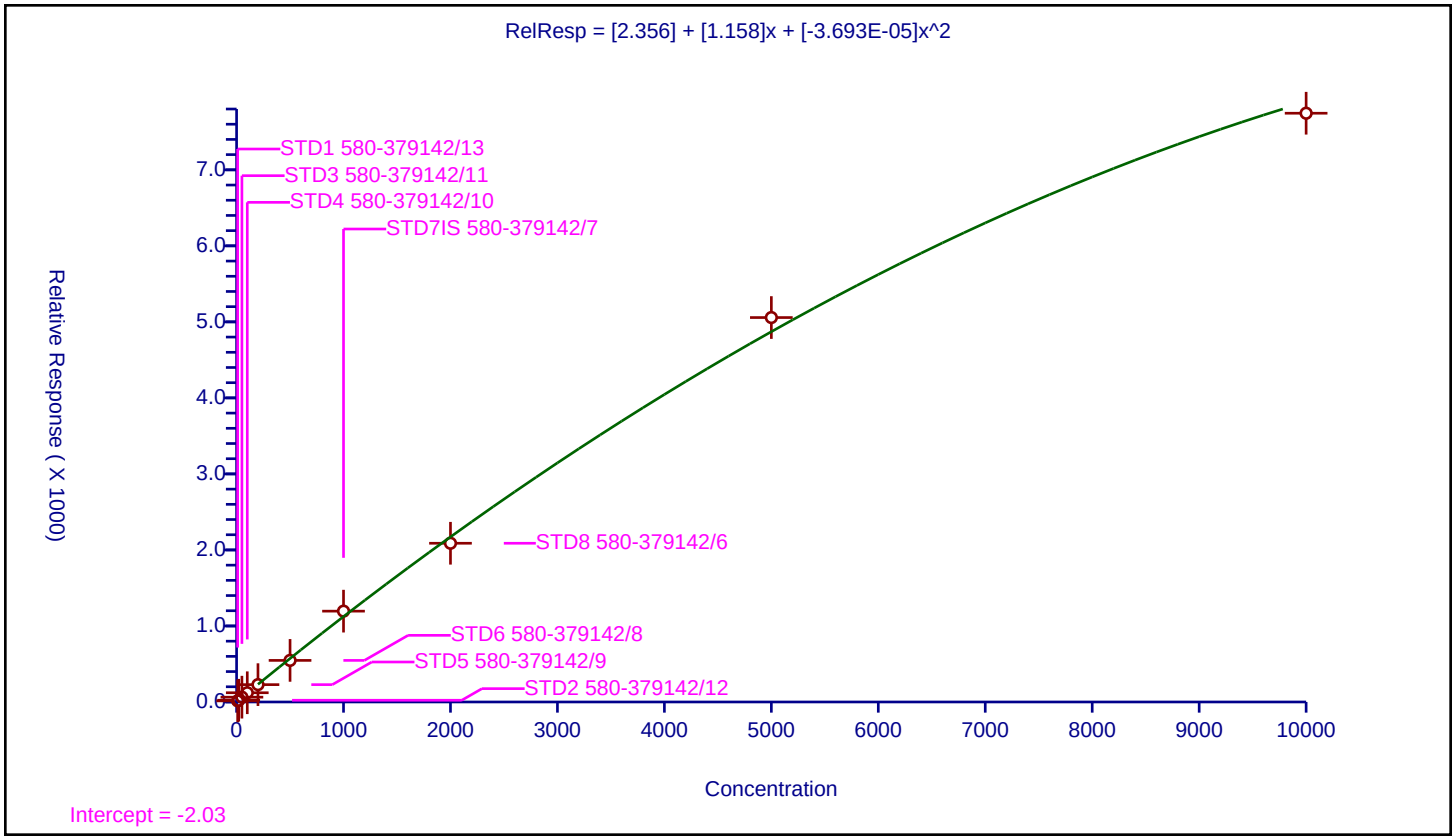
Curve Coefficients

Intercept:	2.356
Slope:	1.158
Second Order:	-3.693E-05

Error Coefficients

Standard Error:	3830000
Relative Standard Error:	6.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	14.428925	100.0	50974.0	1.442892	Y
2	STD2 580-379142/12	20.0	22.953236	100.0	65799.0	1.147662	Y
3	STD3 580-379142/11	50.0	63.32283	100.0	75532.0	1.266457	Y
4	STD4 580-379142/10	100.0	121.376916	100.0	82968.0	1.213769	Y
5	STD5 580-379142/9	200.0	228.326728	100.0	90840.0	1.141634	Y
6	STD6 580-379142/8	500.0	547.110012	100.0	99516.0	1.09422	Y
7	STD7IS 580-379142/7	1000.0	1195.009506	100.0	94680.0	1.19501	Y
8	STD8 580-379142/6	2000.0	2087.948059	100.0	103195.0	1.043974	Y
9	STD9 580-379142/5	5000.0	5056.905344	100.0	103934.0	1.011381	Y
10	STD10 580-379142/4	10000.0	7744.64214	100.0	107067.0	0.774464	Y



Calibration / Anthracene

Curve Type:	Quadratic
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

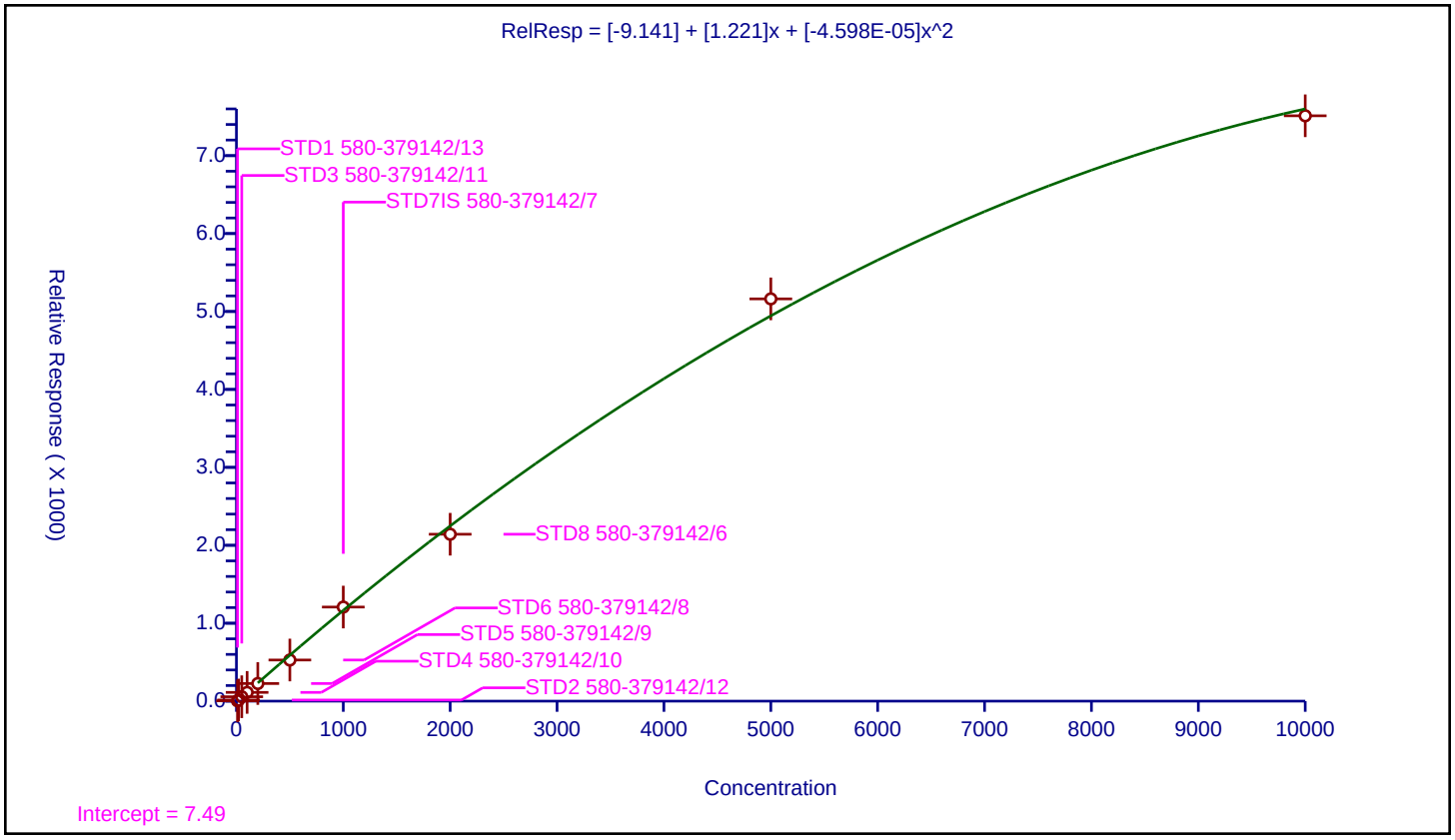
Curve Coefficients

Intercept:	-9.141
Slope:	1.221
Second Order:	-4.598E-05

Error Coefficients

Standard Error:	3780000
Relative Standard Error:	6.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	3.85883	100.0	50974.0	0.385883	Y
2	STD2 580-379142/12	20.0	14.495661	100.0	65799.0	0.724783	Y
3	STD3 580-379142/11	50.0	56.53895	100.0	75532.0	1.130779	Y
4	STD4 580-379142/10	100.0	112.289075	100.0	82968.0	1.122891	Y
5	STD5 580-379142/9	200.0	226.239542	100.0	90840.0	1.131198	Y
6	STD6 580-379142/8	500.0	527.982435	100.0	99516.0	1.055965	Y
7	STD7IS 580-379142/7	1000.0	1207.275032	100.0	94680.0	1.207275	Y
8	STD8 580-379142/6	2000.0	2141.80532	100.0	103195.0	1.070903	Y
9	STD9 580-379142/5	5000.0	5162.000885	100.0	103934.0	1.0324	Y
10	STD10 580-379142/4	10000.0	7511.513351	100.0	107067.0	0.751151	Y



Calibration / Carbazole

Curve Type:	Quadratic
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

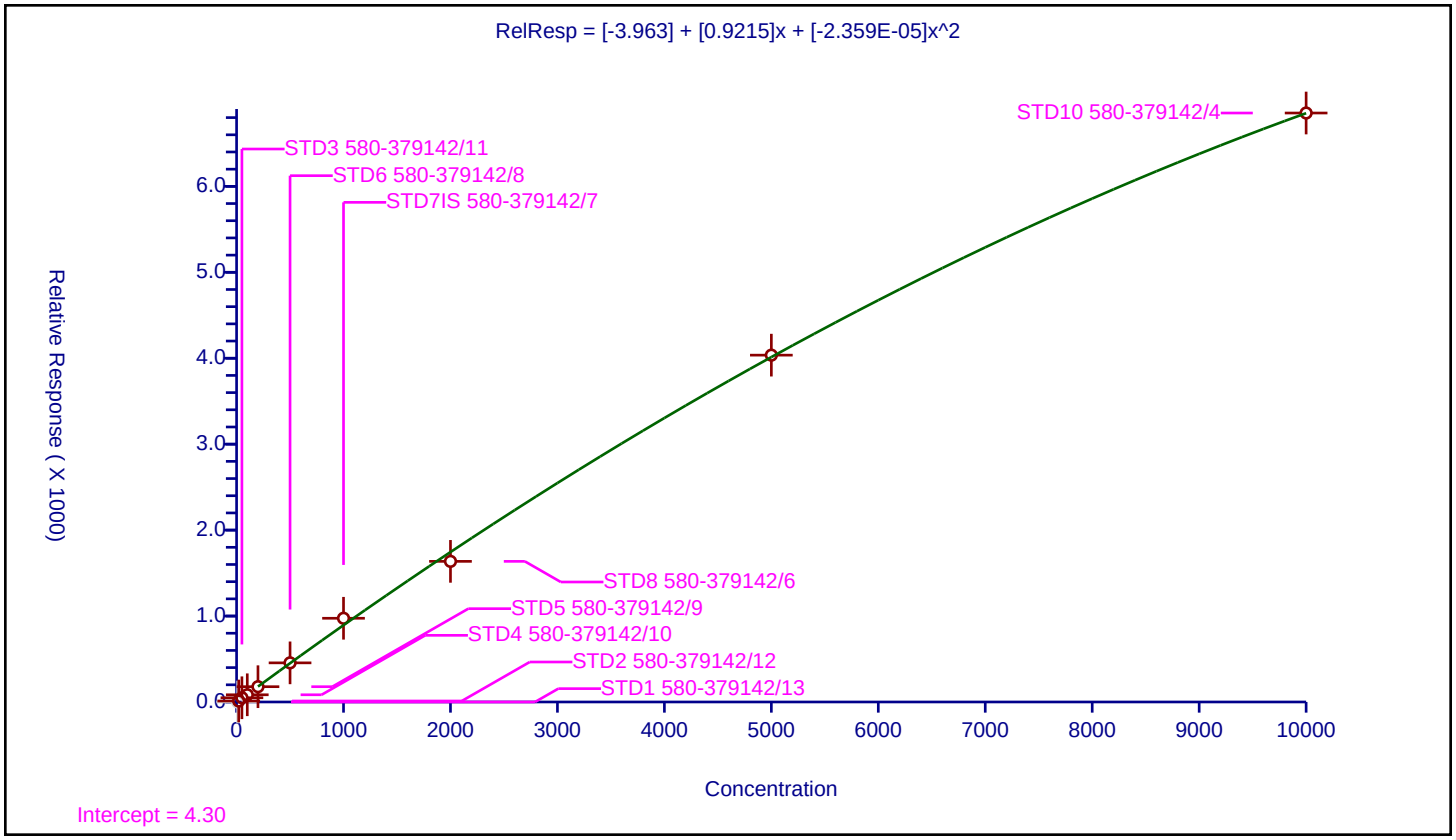
Curve Coefficients

Intercept:	-3.963
Slope:	0.9215
Second Order:	-2.359E-05

Error Coefficients

Standard Error:	3540000
Relative Standard Error:	10.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	0.0	100.0	50974.0	0.0	N
2	STD2 580-379142/12	20.0	11.744859	100.0	65799.0	0.587243	Y
3	STD3 580-379142/11	50.0	49.26786	100.0	75532.0	0.985357	Y
4	STD4 580-379142/10	100.0	83.841963	100.0	82968.0	0.83842	Y
5	STD5 580-379142/9	200.0	177.863276	100.0	90840.0	0.889316	Y
6	STD6 580-379142/8	500.0	455.486555	100.0	99516.0	0.910973	Y
7	STD7IS 580-379142/7	1000.0	974.070553	100.0	94680.0	0.974071	Y
8	STD8 580-379142/6	2000.0	1636.21784	100.0	103195.0	0.818109	Y
9	STD9 580-379142/5	5000.0	4036.059422	100.0	103934.0	0.807212	Y
10	STD10 580-379142/4	10000.0	6853.598214	100.0	107067.0	0.68536	Y



Calibration / Di-n-butyl phthalate

Curve Type:	Quadratic
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

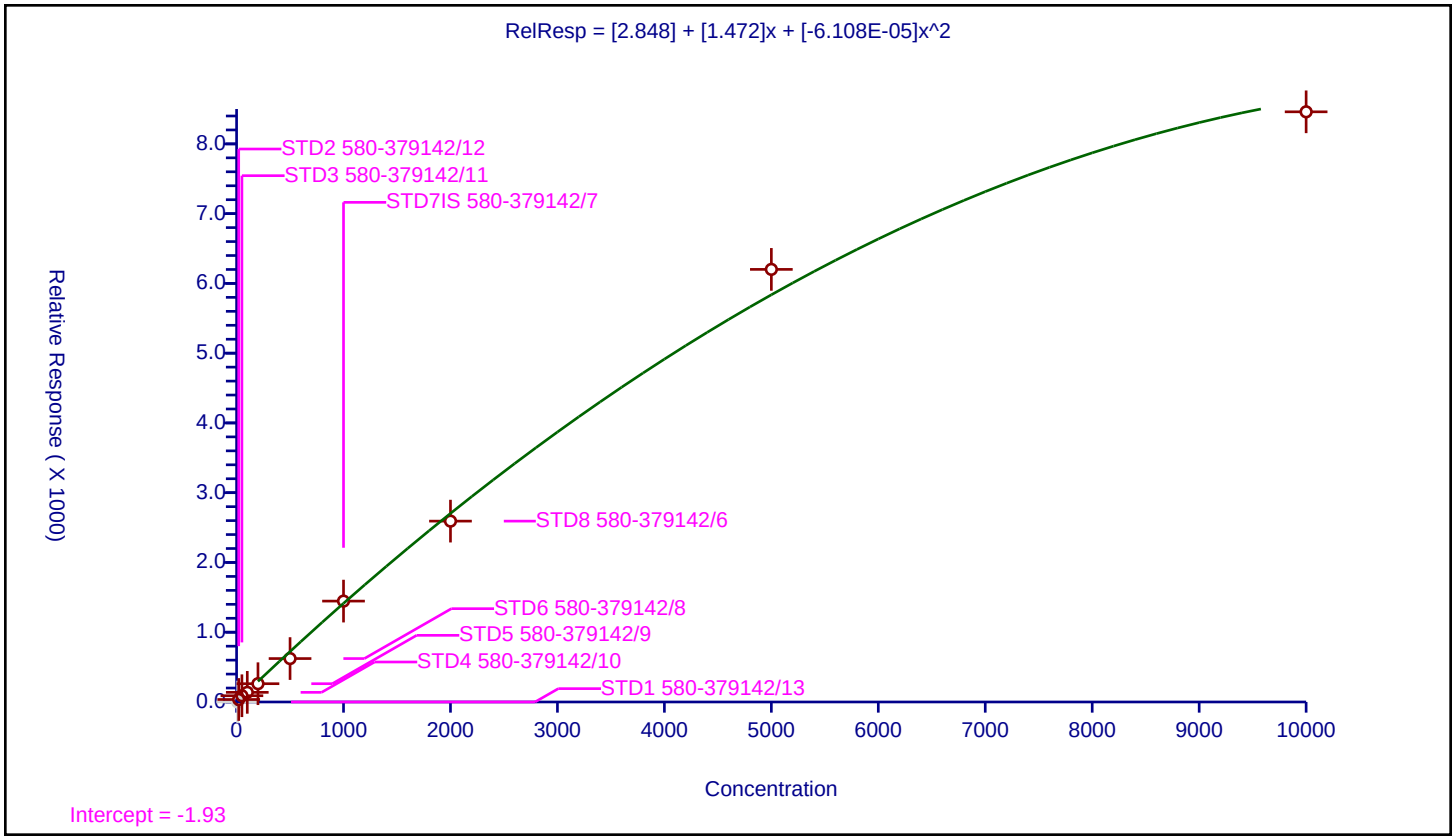
Curve Coefficients

Intercept:	2.848
Slope:	1.472
Second Order:	-6.108E-05

Error Coefficients

Standard Error:	4700000
Relative Standard Error:	12.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	0.0	100.0	50974.0	0.0	N
2	STD2 580-379142/12	20.0	35.915439	100.0	65799.0	1.795772	Y
3	STD3 580-379142/11	50.0	89.454801	100.0	75532.0	1.789096	Y
4	STD4 580-379142/10	100.0	138.09541	100.0	82968.0	1.380954	Y
5	STD5 580-379142/9	200.0	262.221488	100.0	90840.0	1.311107	Y
6	STD6 580-379142/8	500.0	622.433579	100.0	99516.0	1.244867	Y
7	STD7IS 580-379142/7	1000.0	1446.298057	100.0	94680.0	1.446298	Y
8	STD8 580-379142/6	2000.0	2592.746742	100.0	103195.0	1.296373	Y
9	STD9 580-379142/5	5000.0	6200.982354	100.0	103934.0	1.240196	Y
10	STD10 580-379142/4	10000.0	8459.818618	100.0	107067.0	0.845982	Y



Calibration / Fluoranthene

Curve Type:	Quadratic
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

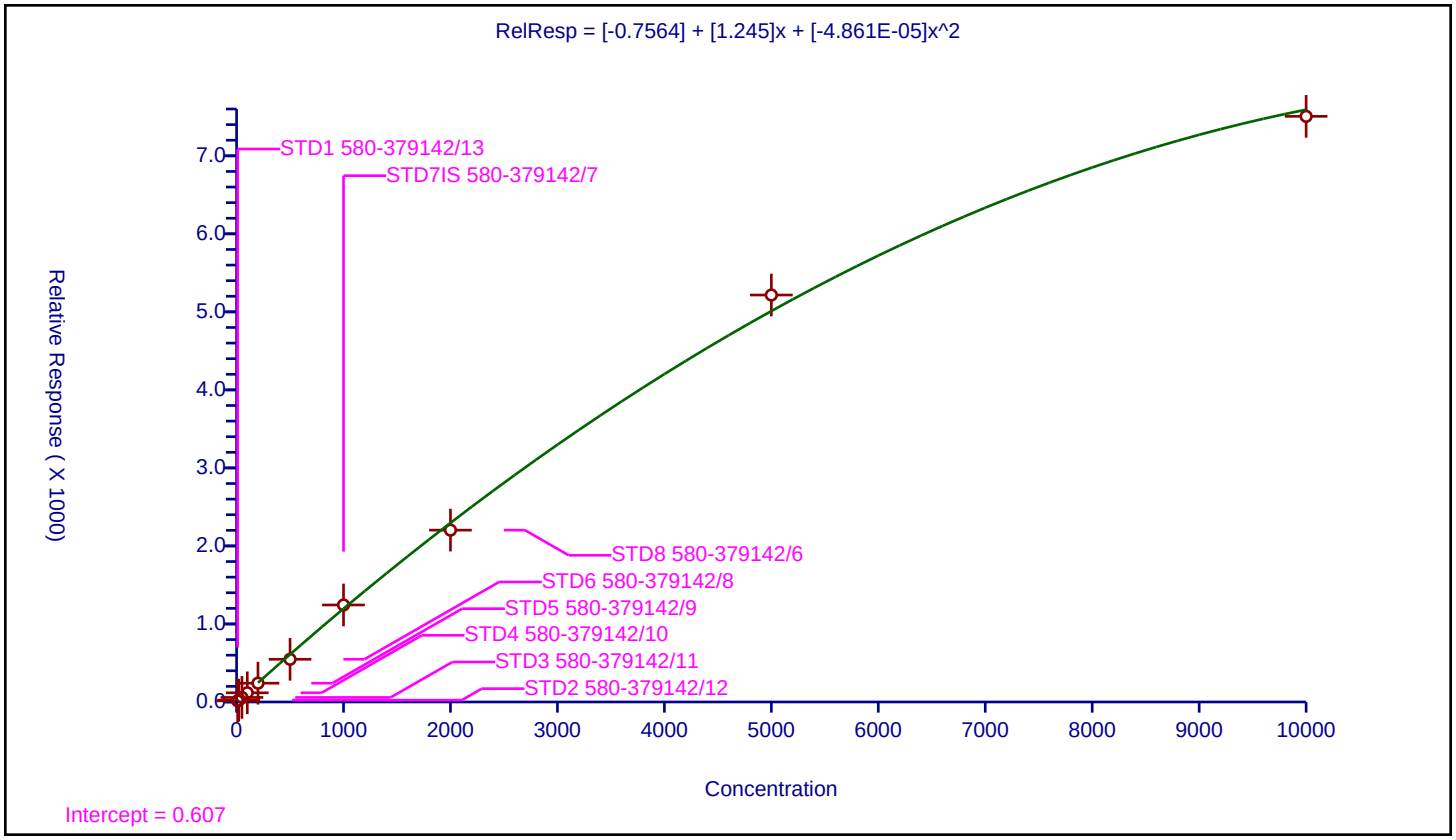
Curve Coefficients

Intercept:	-0.7564
Slope:	1.245
Second Order:	-4.861E-05

Error Coefficients

Standard Error:	3790000
Relative Standard Error:	10.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	14.362224	100.0	50974.0	1.436222	Y
2	STD2 580-379142/12	20.0	23.530753	100.0	65799.0	1.176538	Y
3	STD3 580-379142/11	50.0	58.229625	100.0	75532.0	1.164592	Y
4	STD4 580-379142/10	100.0	117.768296	100.0	82968.0	1.177683	Y
5	STD5 580-379142/9	200.0	240.804712	100.0	90840.0	1.204024	Y
6	STD6 580-379142/8	500.0	547.519997	100.0	99516.0	1.09504	Y
7	STD7IS 580-379142/7	1000.0	1243.168568	100.0	94680.0	1.243169	Y
8	STD8 580-379142/6	2000.0	2202.522409	100.0	103195.0	1.101261	Y
9	STD9 580-379142/5	5000.0	5216.225682	100.0	103934.0	1.043245	Y
10	STD10 580-379142/4	10000.0	7505.862684	100.0	107067.0	0.750586	Y



Calibration / Benzidine

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

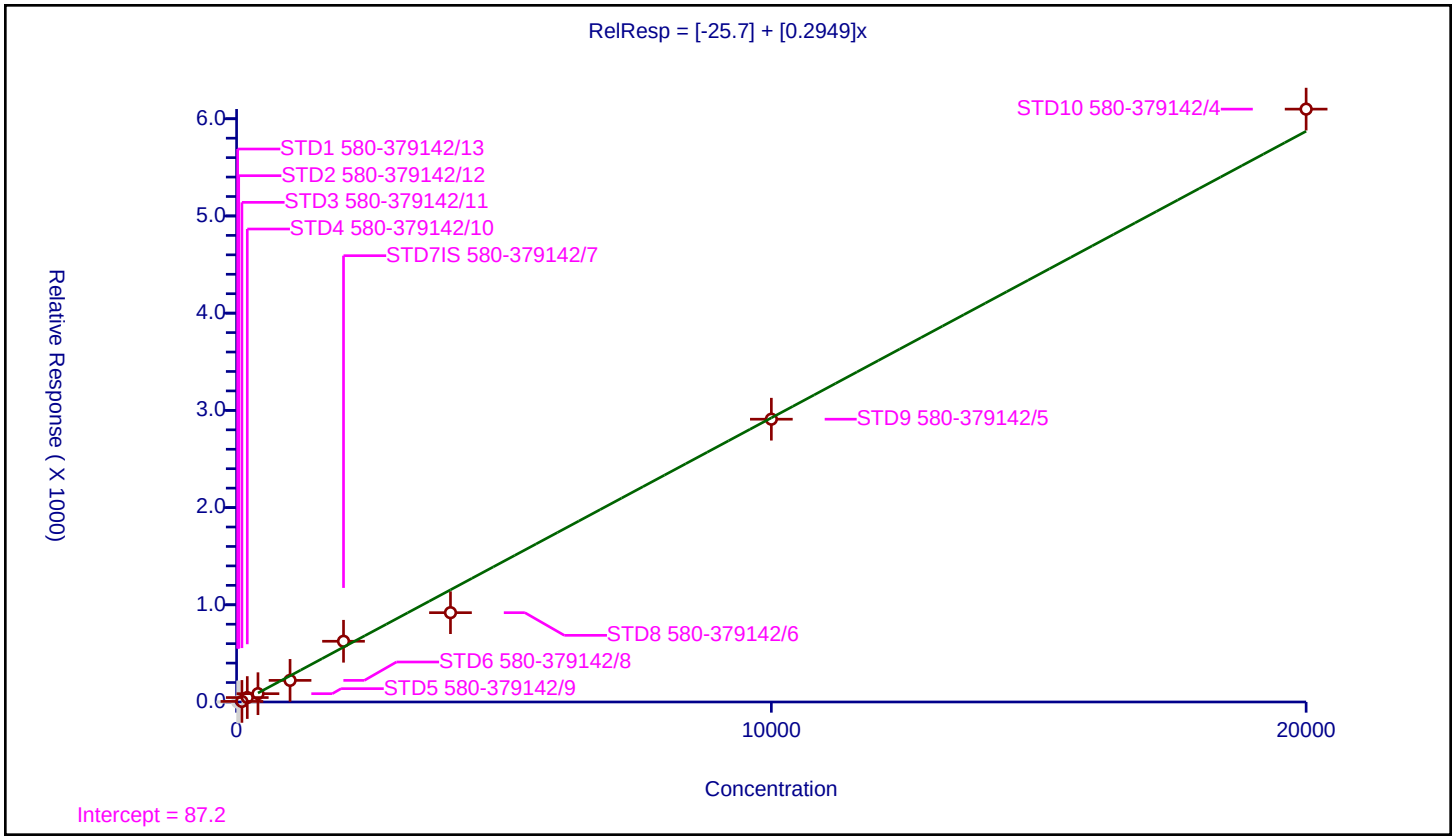
Curve Coefficients

Intercept:	-25.7
Slope:	0.2949

Error Coefficients

Standard Error:	2970000
Relative Standard Error:	14.7
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	20.0	0.0	100.0	50974.0	0.0	N
2	STD2 580-379142/12	40.0	0.0	100.0	65799.0	0.0	N
3	STD3 580-379142/11	100.0	5.797543	100.0	75532.0	0.057975	Y
4	STD4 580-379142/10	200.0	45.726063	100.0	82968.0	0.22863	Y
5	STD5 580-379142/9	400.0	85.361074	100.0	90840.0	0.213403	Y
6	STD6 580-379142/8	1000.0	222.426544	100.0	99516.0	0.222427	Y
7	STD7IS 580-379142/7	2000.0	624.713773	100.0	94680.0	0.312357	Y
8	STD8 580-379142/6	4000.0	918.745094	100.0	103195.0	0.229686	Y
9	STD9 580-379142/5	10000.0	2908.967229	100.0	103934.0	0.290897	Y
10	STD10 580-379142/4	20000.0	6099.000626	100.0	107067.0	0.30495	Y



Calibration / Pyrene

Curve Type:	Quadratic
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

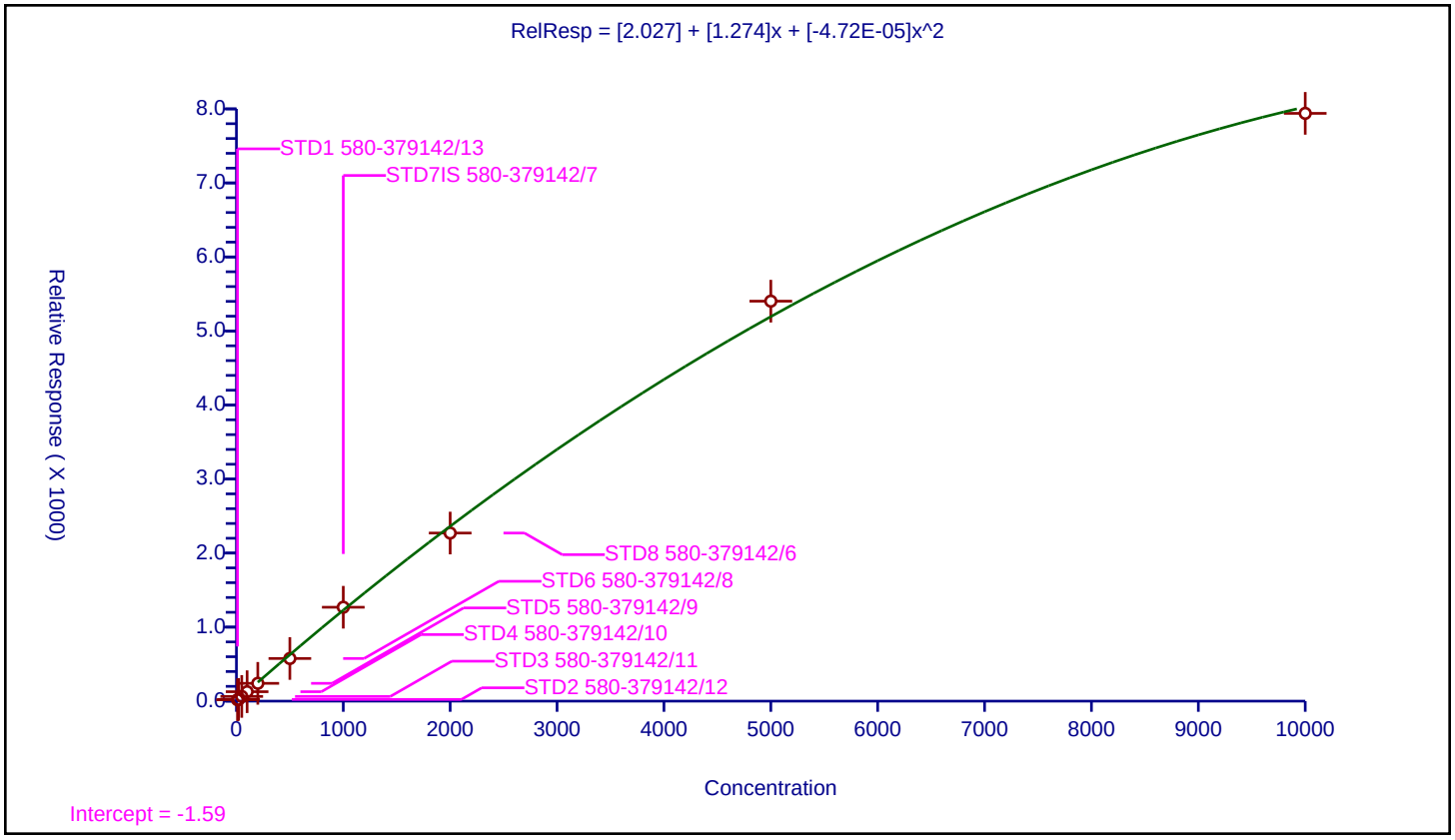
Curve Coefficients

Intercept:	2.027
Slope:	1.274
Second Order:	-4.72E-05

Error Coefficients

Standard Error:	3980000
Relative Standard Error:	14.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	18.923373	100.0	50974.0	1.892337	Y
2	STD2 580-379142/12	20.0	23.252633	100.0	65799.0	1.162632	Y
3	STD3 580-379142/11	50.0	63.602182	100.0	75532.0	1.272044	Y
4	STD4 580-379142/10	100.0	127.494938	100.0	82968.0	1.274949	Y
5	STD5 580-379142/9	200.0	240.653897	100.0	90840.0	1.203269	Y
6	STD6 580-379142/8	500.0	576.203827	100.0	99516.0	1.152408	Y
7	STD7IS 580-379142/7	1000.0	1268.457964	100.0	94680.0	1.268458	Y
8	STD8 580-379142/6	2000.0	2270.534425	100.0	103195.0	1.135267	Y
9	STD9 580-379142/5	5000.0	5402.90569	100.0	103934.0	1.080581	Y
10	STD10 580-379142/4	10000.0	7939.665817	100.0	107067.0	0.793967	Y



Calibration / Terphenyl-d14

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

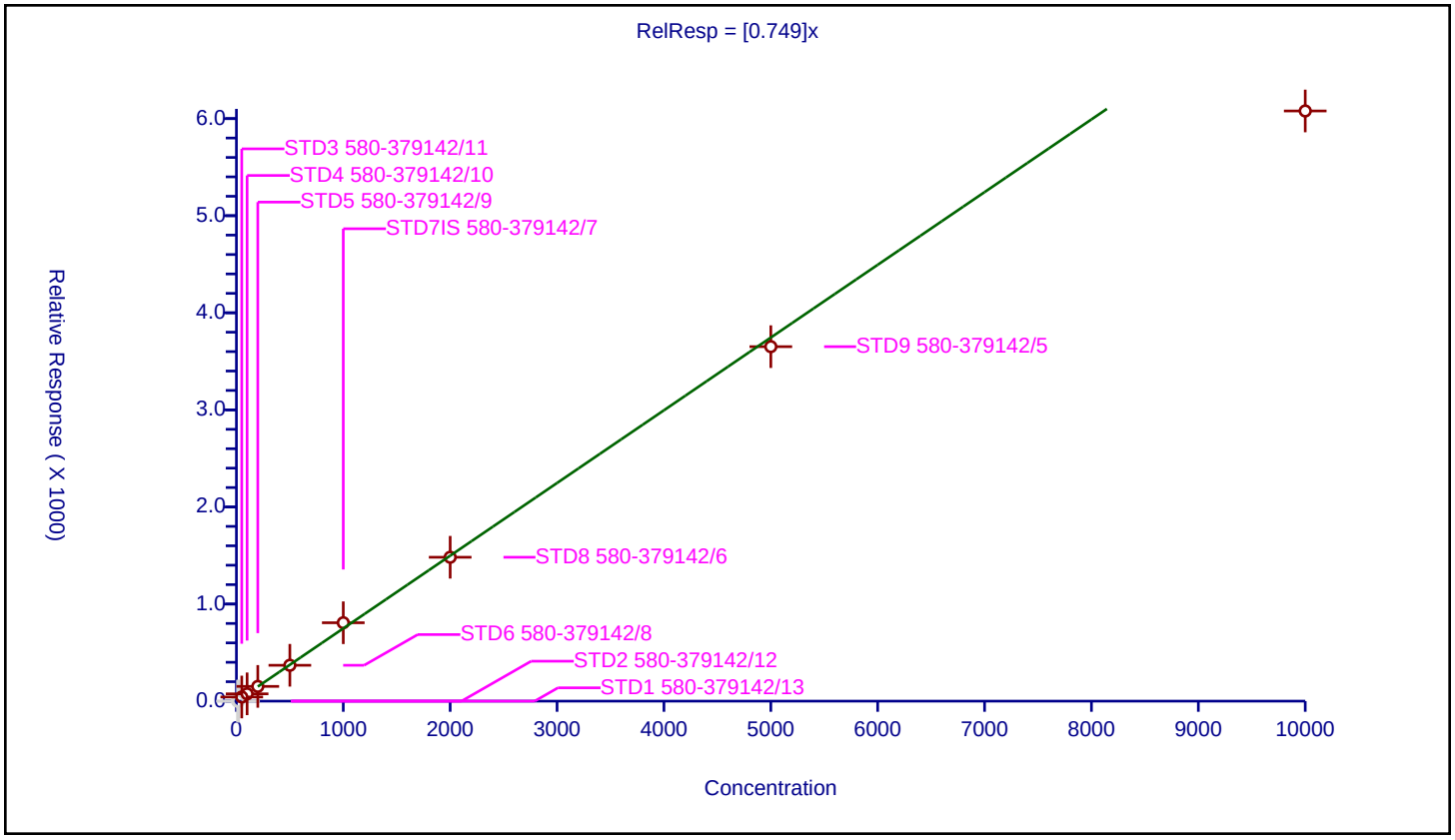
Curve Coefficients

Intercept:	0
Slope:	0.749

Error Coefficients

Standard Error:	2920000
Relative Standard Error:	9.4
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	0.0	100.0	50974.0	0.0	N
2	STD2 580-379142/12	20.0	0.0	100.0	65799.0	0.0	N
3	STD3 580-379142/11	50.0	42.662712	100.0	75532.0	0.853254	Y
4	STD4 580-379142/10	100.0	75.426671	100.0	82968.0	0.754267	Y
5	STD5 580-379142/9	200.0	151.772347	100.0	90840.0	0.758862	Y
6	STD6 580-379142/8	500.0	369.441095	100.0	99516.0	0.738882	Y
7	STD7IS 580-379142/7	1000.0	807.398606	100.0	94680.0	0.807399	Y
8	STD8 580-379142/6	2000.0	1481.948738	100.0	103195.0	0.740974	Y
9	STD9 580-379142/5	5000.0	3651.107434	100.0	103934.0	0.730221	Y
10	STD10 580-379142/4	10000.0	6078.685309	100.0	107067.0	0.607869	Y



Calibration / Butyl benzyl phthalate

Curve Type:	Quadratic
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

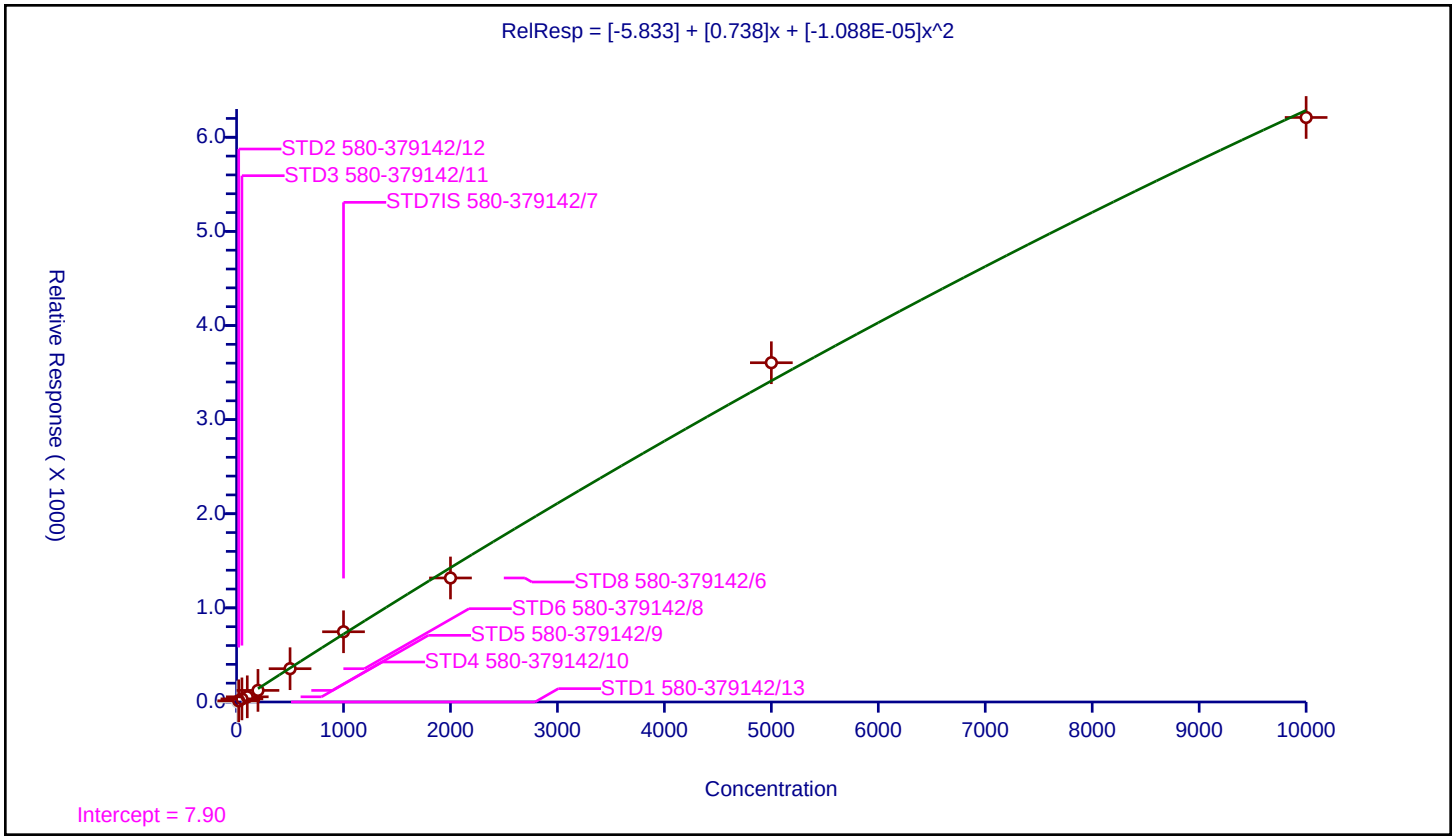
Curve Coefficients

Intercept:	-5.833
Slope:	0.738
Second Order:	-1.088E-05

Error Coefficients

Standard Error:	2670000
Relative Standard Error:	14.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	0.0	100.0	41671.0	0.0	N
2	STD2 580-379142/12	20.0	12.803557	100.0	53079.0	0.640178	Y
3	STD3 580-379142/11	50.0	32.9168	100.0	65781.0	0.658336	Y
4	STD4 580-379142/10	100.0	55.082578	100.0	67633.0	0.550826	Y
5	STD5 580-379142/9	200.0	123.027663	100.0	73238.0	0.615138	Y
6	STD6 580-379142/8	500.0	353.721773	100.0	72049.0	0.707444	Y
7	STD7IS 580-379142/7	1000.0	746.147689	100.0	77460.0	0.746148	Y
8	STD8 580-379142/6	2000.0	1317.462249	100.0	88740.0	0.658731	Y
9	STD9 580-379142/5	5000.0	3604.564417	100.0	85575.0	0.720913	Y
10	STD10 580-379142/4	10000.0	6210.1117	100.0	90331.0	0.621011	Y



Curve Type:	Quadratic
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

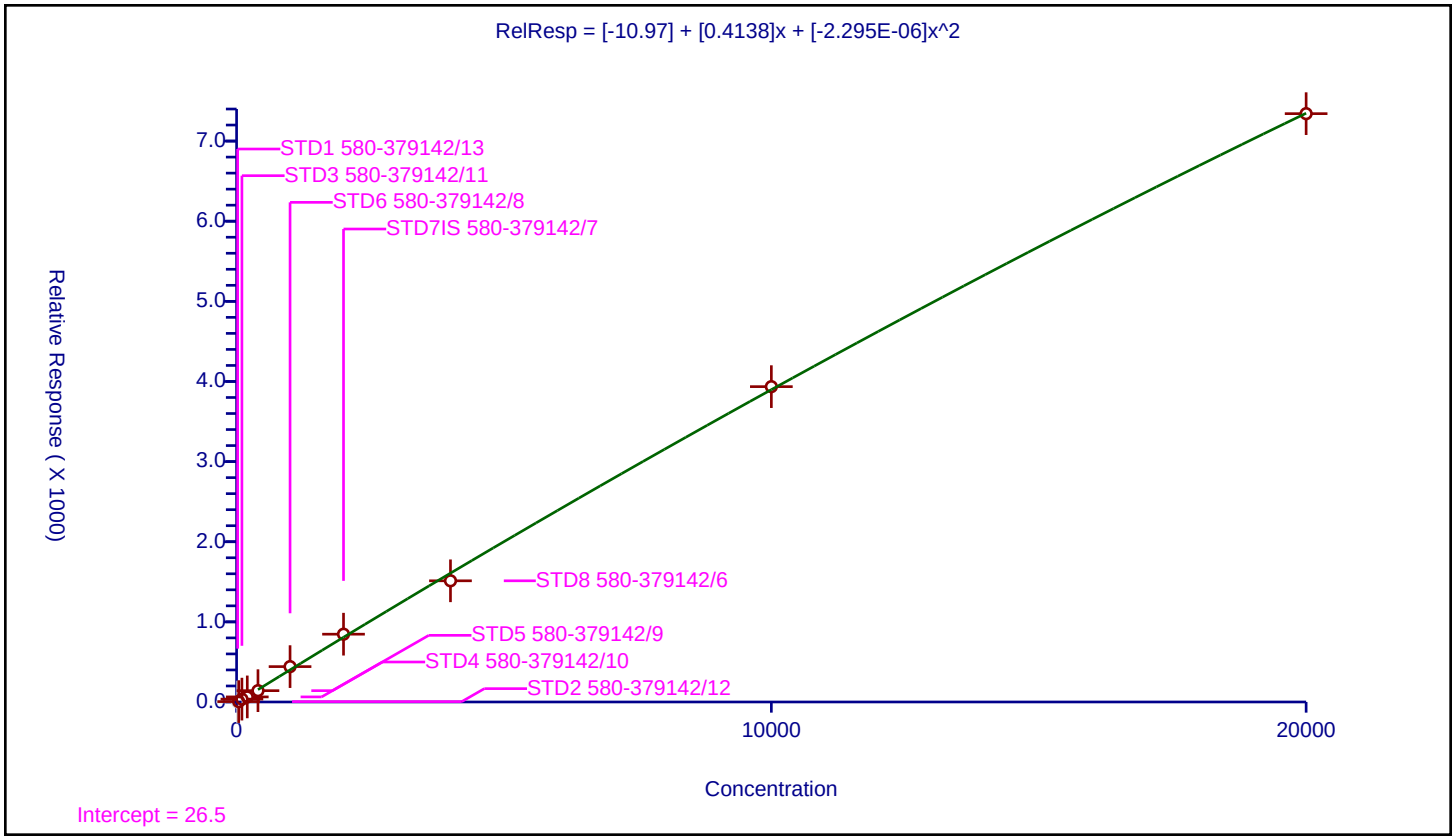
Curve Coefficients

Intercept:	-10.97
Slope:	0.4138
Second Order:	-2.295E-06

Error Coefficients

Standard Error:	3100000
Relative Standard Error:	9.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	20.0	0.0	100.0	41671.0	0.0	N
2	STD2 580-379142/12	40.0	4.777784	100.0	53079.0	0.119445	Y
3	STD3 580-379142/11	100.0	35.718521	100.0	65781.0	0.357185	Y
4	STD4 580-379142/10	200.0	63.508938	100.0	67633.0	0.317545	Y
5	STD5 580-379142/9	400.0	141.378792	100.0	73238.0	0.353447	Y
6	STD6 580-379142/8	1000.0	441.518966	100.0	72049.0	0.441519	Y
7	STD7IS 580-379142/7	2000.0	846.054738	100.0	77460.0	0.423027	Y
8	STD8 580-379142/6	4000.0	1512.412666	100.0	88740.0	0.378103	Y
9	STD9 580-379142/5	10000.0	3935.21005	100.0	85575.0	0.393521	Y
10	STD10 580-379142/4	20000.0	7342.255704	100.0	90331.0	0.367113	Y



Curve Type:	Quadratic
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

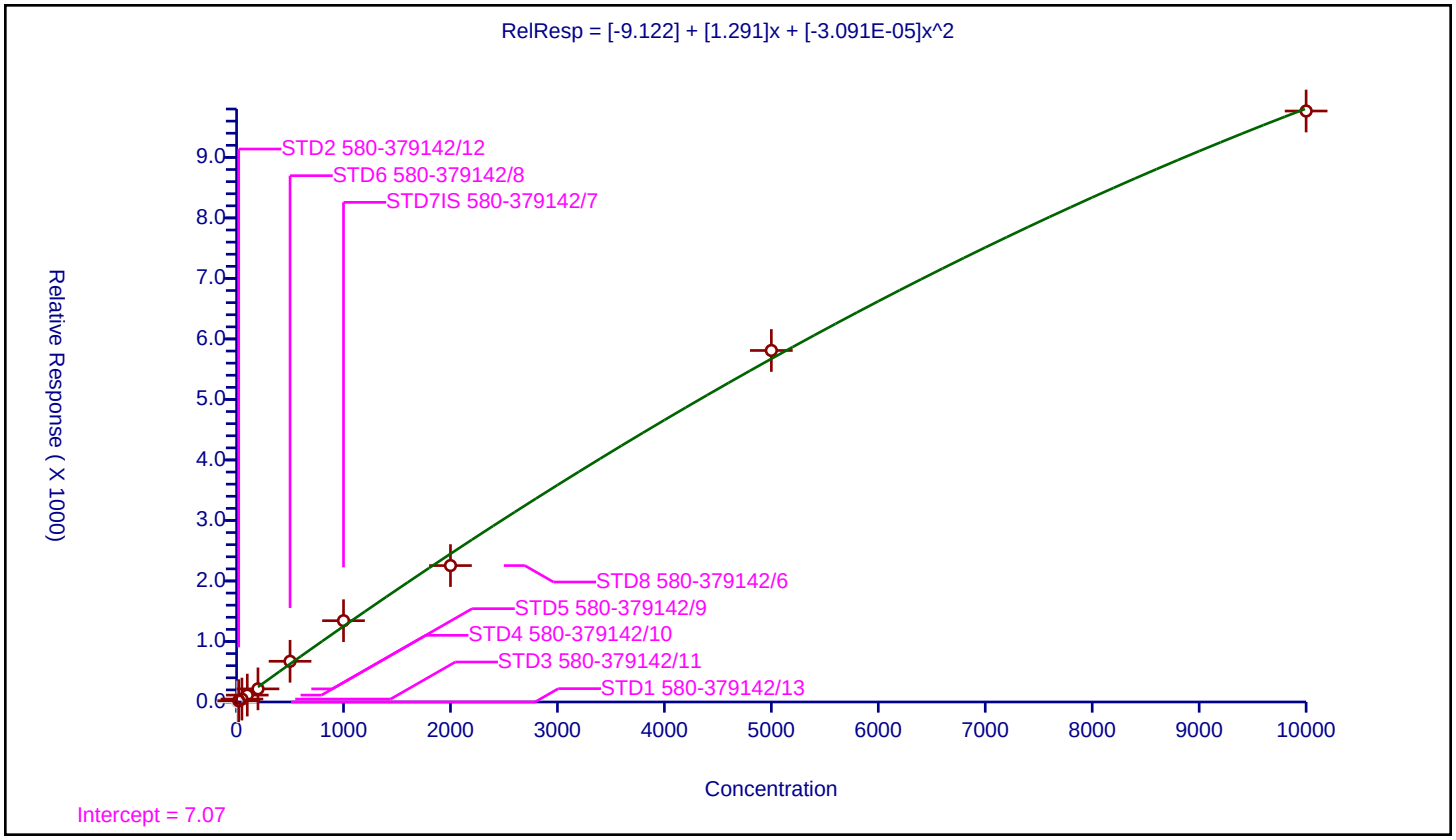
Curve Coefficients

Intercept:	-9.122
Slope:	1.291
Second Order:	-3.091E-05

Error Coefficients

Standard Error:	4240000
Relative Standard Error:	12.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	0.0	100.0	41671.0	0.0	N
2	STD2 580-379142/12	20.0	21.720454	100.0	53079.0	1.086023	Y
3	STD3 580-379142/11	50.0	48.098995	100.0	65781.0	0.96198	Y
4	STD4 580-379142/10	100.0	113.793562	100.0	67633.0	1.137936	Y
5	STD5 580-379142/9	200.0	216.647096	100.0	73238.0	1.083235	Y
6	STD6 580-379142/8	500.0	672.710239	100.0	72049.0	1.34542	Y
7	STD7IS 580-379142/7	1000.0	1343.520527	100.0	77460.0	1.343521	Y
8	STD8 580-379142/6	2000.0	2254.334009	100.0	88740.0	1.127167	Y
9	STD9 580-379142/5	5000.0	5809.453696	100.0	85575.0	1.161891	Y
10	STD10 580-379142/4	10000.0	9766.9759	100.0	90331.0	0.976698	Y



Calibration / Chrysene

Curve Type:	Quadratic
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

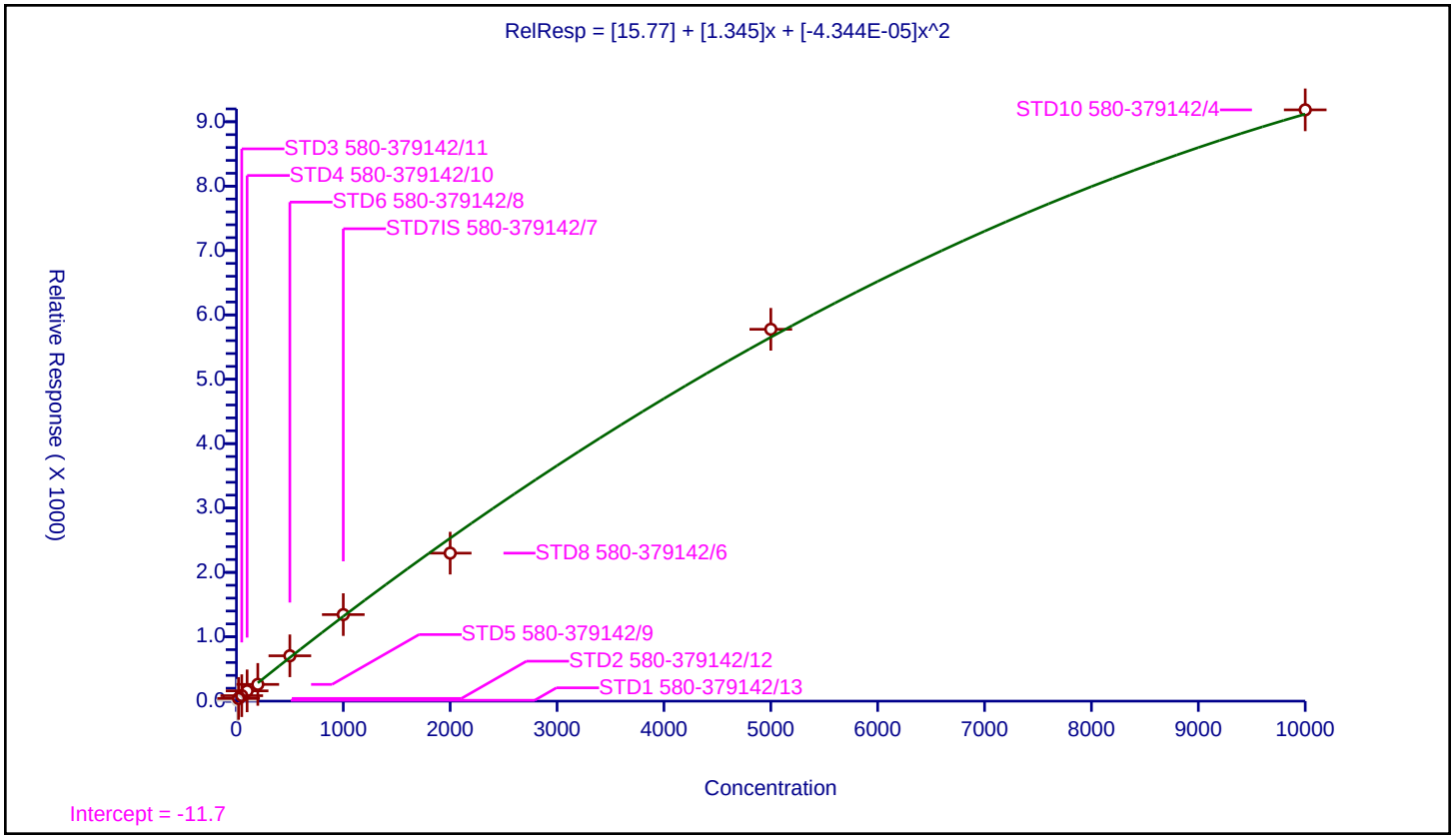
Curve Coefficients

Intercept:	15.77
Slope:	1.345
Second Order:	-4.344E-05

Error Coefficients

Standard Error:	4050000
Relative Standard Error:	6.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	13.402606	100.0	41671.0	1.340261	N
2	STD2 580-379142/12	20.0	42.073136	100.0	53079.0	2.103657	Y
3	STD3 580-379142/11	50.0	85.144647	100.0	65781.0	1.702893	Y
4	STD4 580-379142/10	100.0	159.932282	100.0	67633.0	1.599323	Y
5	STD5 580-379142/9	200.0	260.142276	100.0	73238.0	1.300711	Y
6	STD6 580-379142/8	500.0	704.24017	100.0	72049.0	1.40848	Y
7	STD7IS 580-379142/7	1000.0	1344.337723	100.0	77460.0	1.344338	Y
8	STD8 580-379142/6	2000.0	2298.975659	100.0	88740.0	1.149488	Y
9	STD9 580-379142/5	5000.0	5776.269939	100.0	85575.0	1.155254	Y
10	STD10 580-379142/4	10000.0	9185.233198	100.0	90331.0	0.918523	Y



Calibration / Bis(2-ethylhexyl) phthalate

Curve Type:	Quadratic
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

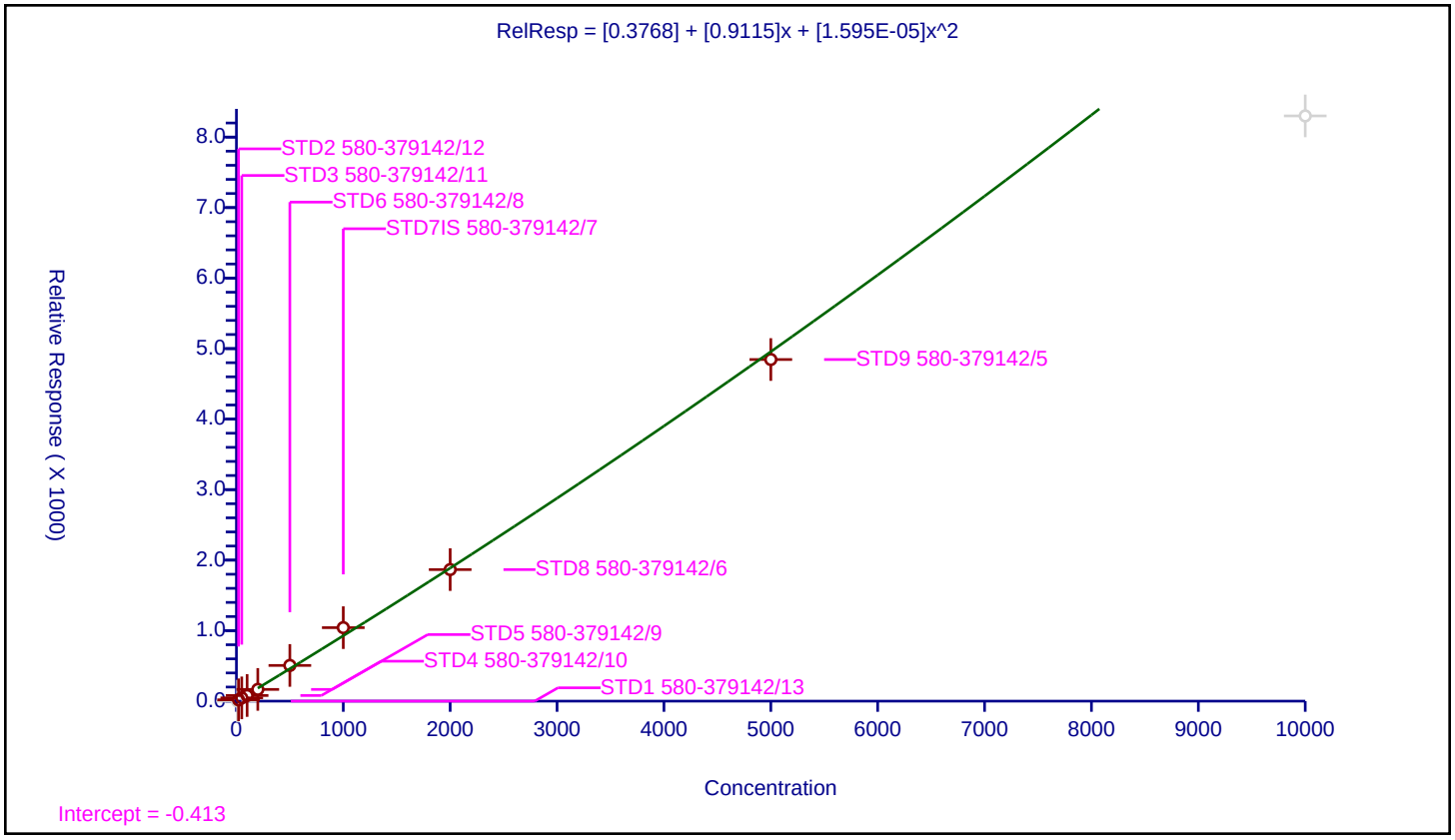
Curve Coefficients

Intercept:	0.3768
Slope:	0.9115
Second Order:	1.595E-05

Error Coefficients

Standard Error:	2030000
Relative Standard Error:	10.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	0.0	100.0	41671.0	0.0	N
2	STD2 580-379142/12	20.0	19.11302	100.0	53079.0	0.955651	Y
3	STD3 580-379142/11	50.0	46.12122	100.0	65781.0	0.922424	Y
4	STD4 580-379142/10	100.0	80.057073	100.0	67633.0	0.800571	Y
5	STD5 580-379142/9	200.0	166.2798	100.0	73238.0	0.831399	Y
6	STD6 580-379142/8	500.0	506.236034	100.0	72049.0	1.012472	Y
7	STD7IS 580-379142/7	1000.0	1042.501936	100.0	77460.0	1.042502	Y
8	STD8 580-379142/6	2000.0	1866.061528	100.0	88740.0	0.933031	Y
9	STD9 580-379142/5	5000.0	4845.169734	100.0	85575.0	0.969034	Y
10	STD10 580-379142/4	10000.0	8300.425103	100.0	90331.0	0.830043	N



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

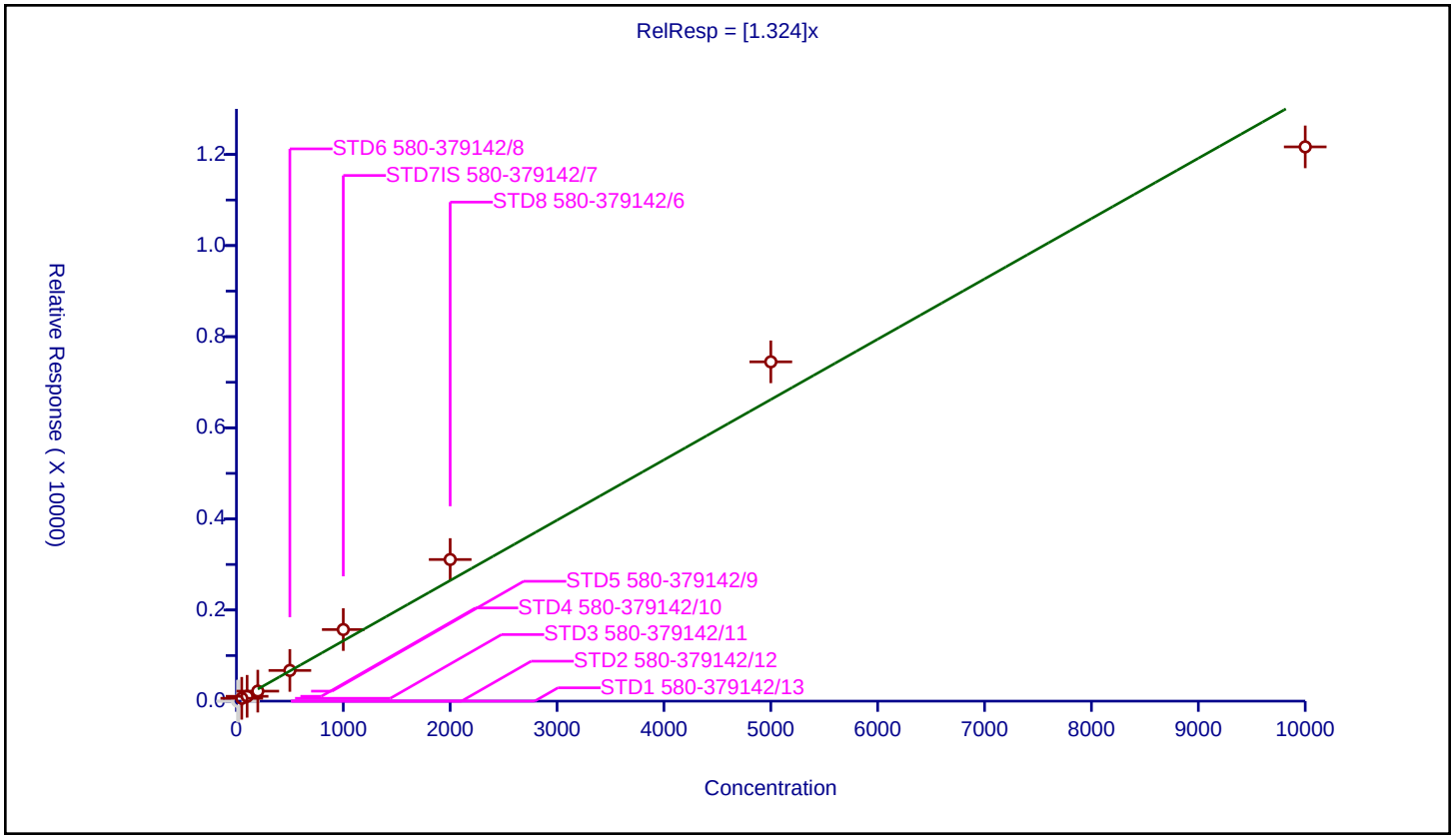
Curve Coefficients

Intercept:	0
Slope:	1.324

Error Coefficients

Standard Error:	5380000
Relative Standard Error:	15.0
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.973

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	0.0	100.0	53713.0	0.0	N
2	STD2 580-379142/12	20.0	0.0	100.0	55387.0	0.0	N
3	STD3 580-379142/11	50.0	62.538691	100.0	68492.0	1.250774	Y
4	STD4 580-379142/10	100.0	106.302638	100.0	75635.0	1.063026	Y
5	STD5 580-379142/9	200.0	219.783519	100.0	75942.0	1.098918	Y
6	STD6 580-379142/8	500.0	673.791935	100.0	83791.0	1.347584	Y
7	STD7IS 580-379142/7	1000.0	1571.002398	100.0	82562.0	1.571002	Y
8	STD8 580-379142/6	2000.0	3108.672872	100.0	87987.0	1.554336	Y
9	STD9 580-379142/5	5000.0	7447.928546	100.0	93823.0	1.489586	Y
10	STD10 580-379142/4	10000.0	12166.362837	100.0	98959.0	1.216636	Y



Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

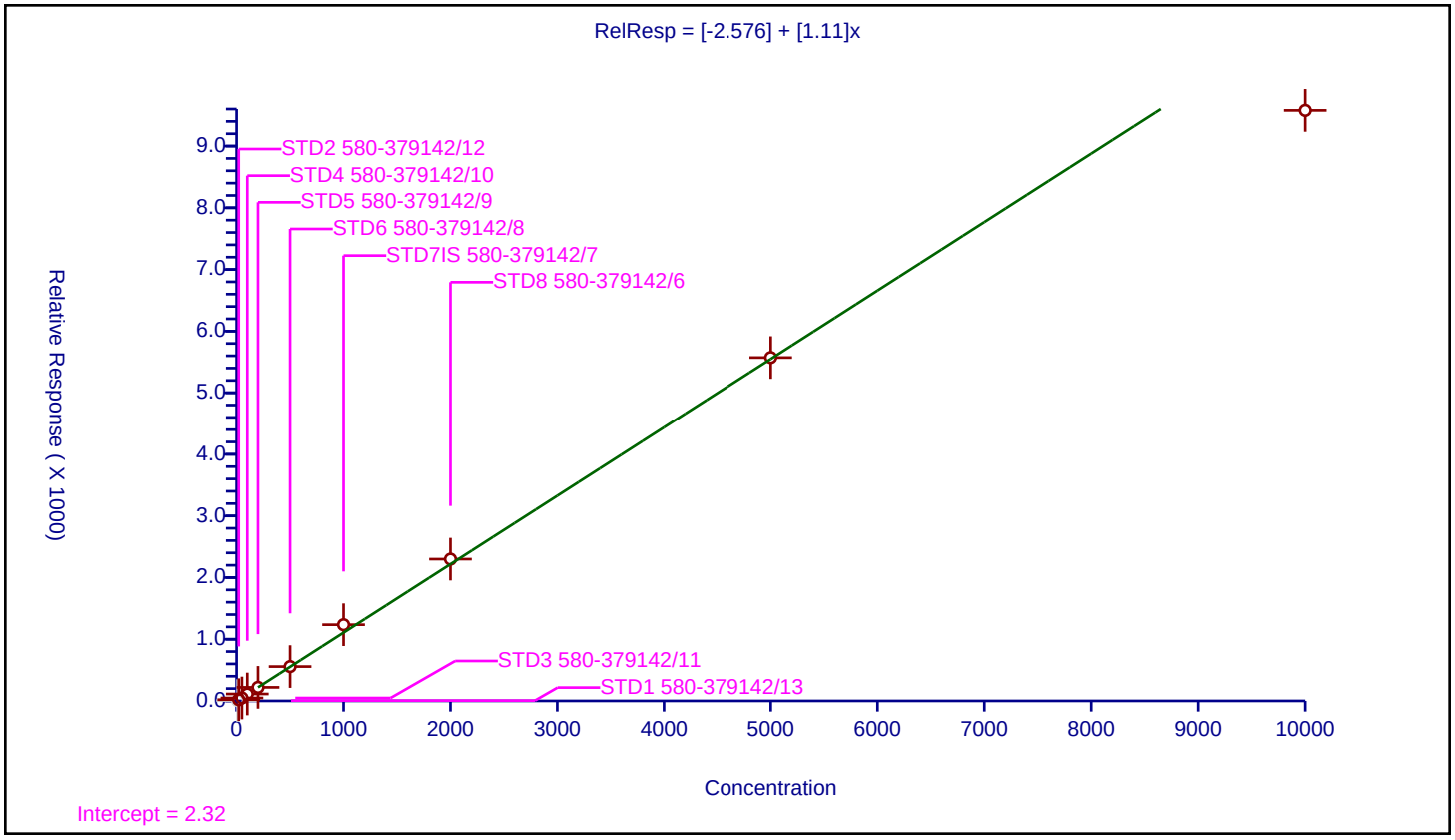
Curve Coefficients

Intercept:	-2.576
Slope:	1.11

Error Coefficients

Standard Error:	4180000
Relative Standard Error:	7.9
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	5.266881	100.0	53713.0	0.526688	N
2	STD2 580-379142/12	20.0	20.212324	100.0	55387.0	1.010616	Y
3	STD3 580-379142/11	50.0	47.827484	100.0	68492.0	0.95655	Y
4	STD4 580-379142/10	100.0	112.63304	100.0	75635.0	1.12633	Y
5	STD5 580-379142/9	200.0	219.62682	100.0	75942.0	1.098134	Y
6	STD6 580-379142/8	500.0	556.623026	100.0	83791.0	1.113246	Y
7	STD7IS 580-379142/7	1000.0	1235.716189	100.0	82562.0	1.235716	Y
8	STD8 580-379142/6	2000.0	2299.10555	100.0	87987.0	1.149553	Y
9	STD9 580-379142/5	5000.0	5571.283161	100.0	93823.0	1.114257	Y
10	STD10 580-379142/4	10000.0	9578.023222	100.0	98959.0	0.957802	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

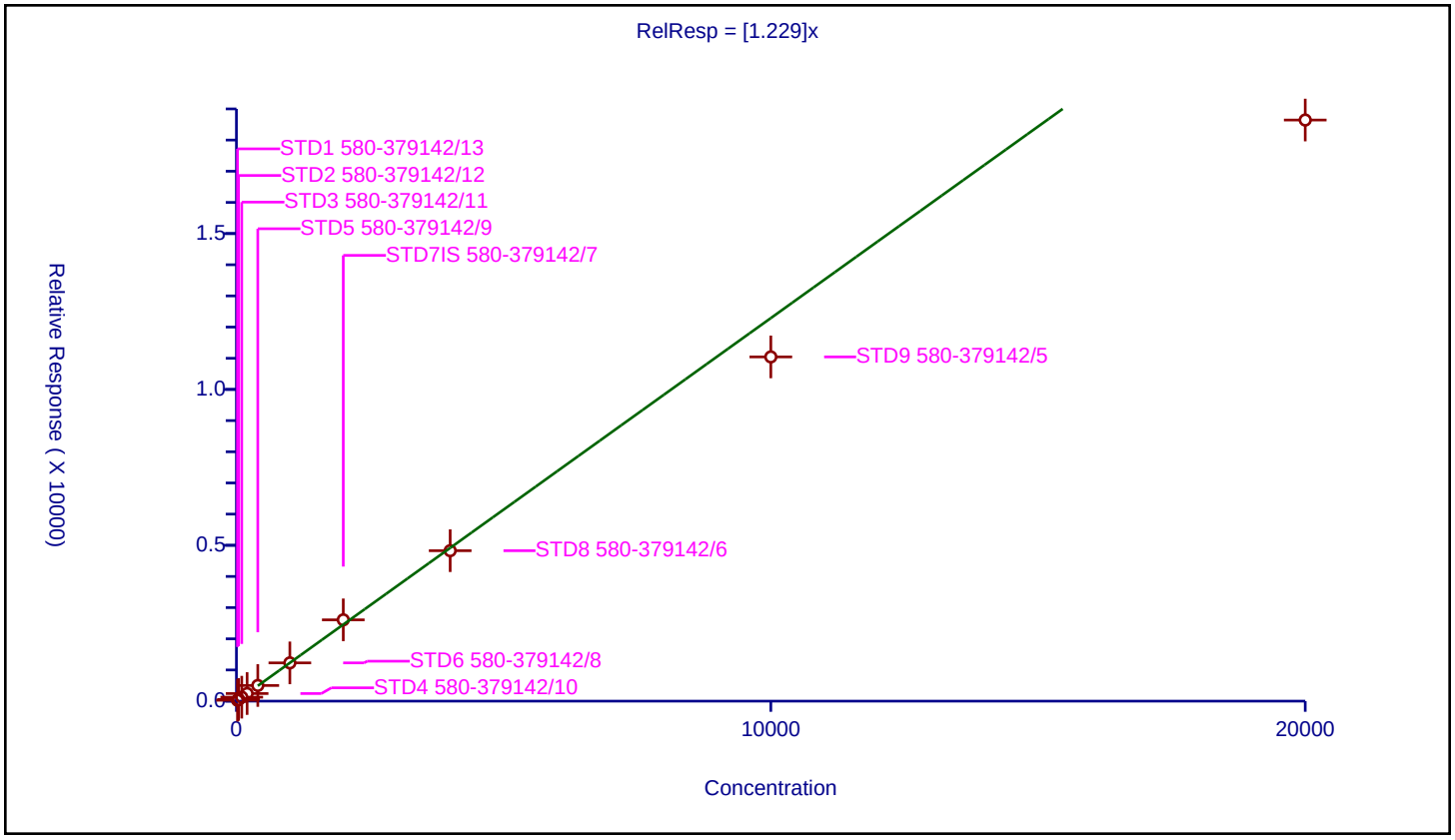
Curve Coefficients

Intercept:	0
Slope:	1.229

Error Coefficients

Standard Error:	7230000
Relative Standard Error:	10.9
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	20.0	28.233389	100.0	53713.0	1.411669	Y
2	STD2 580-379142/12	40.0	54.176973	100.0	55387.0	1.354424	Y
3	STD3 580-379142/11	100.0	127.103895	100.0	68492.0	1.271039	Y
4	STD4 580-379142/10	200.0	244.261255	100.0	75635.0	1.221306	Y
5	STD5 580-379142/9	400.0	502.371547	100.0	75942.0	1.255929	Y
6	STD6 580-379142/8	1000.0	1227.080474	100.0	83791.0	1.22708	Y
7	STD7IS 580-379142/7	2000.0	2608.247135	100.0	82562.0	1.304124	Y
8	STD8 580-379142/6	4000.0	4826.437997	100.0	87987.0	1.206609	Y
9	STD9 580-379142/5	10000.0	11043.410464	100.0	93823.0	1.104341	Y
10	STD10 580-379142/4	20000.0	18642.838954	100.0	98959.0	0.932142	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

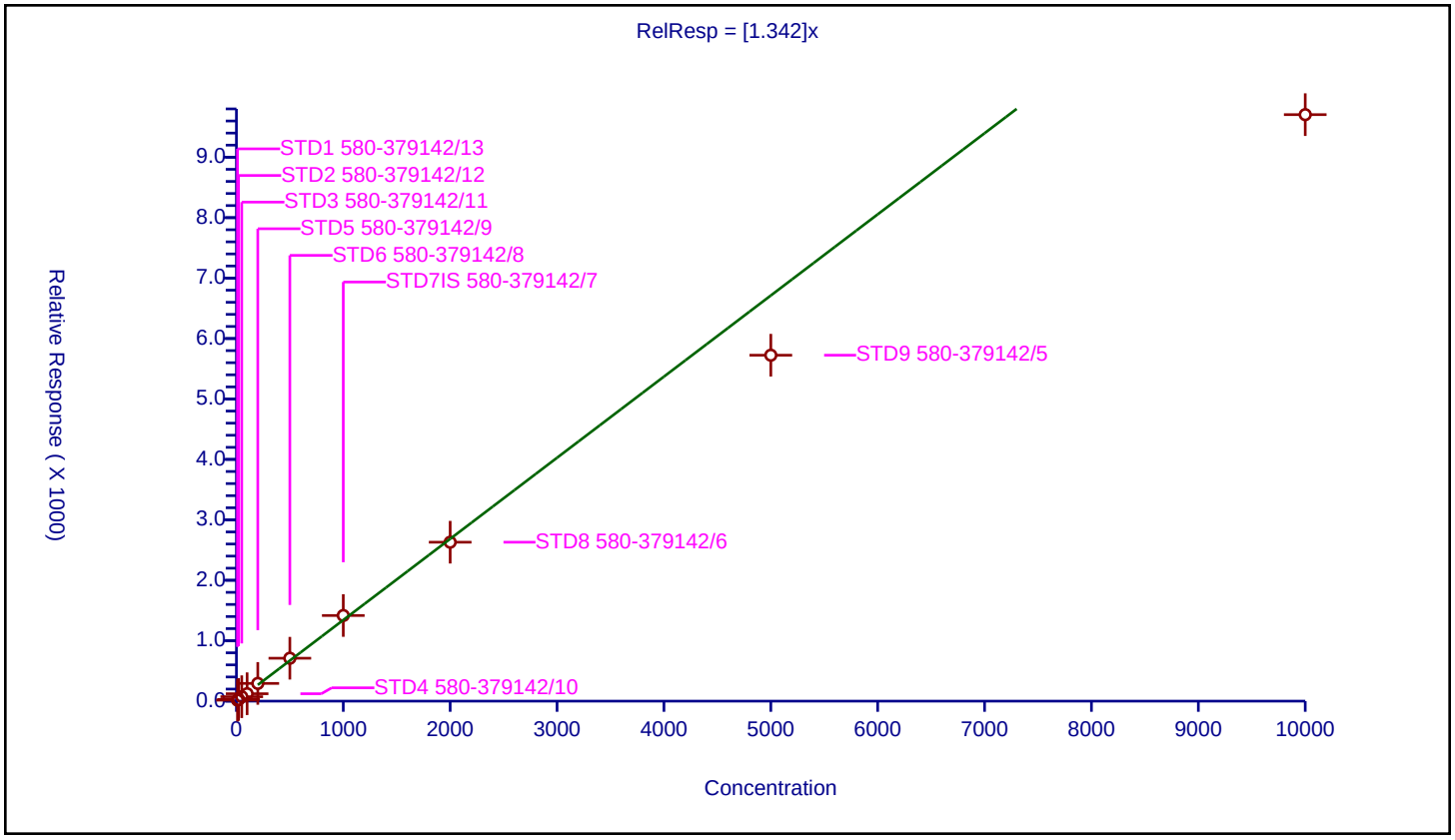
Curve Coefficients

Intercept:	0
Slope:	1.342

Error Coefficients

Standard Error:	3770000
Relative Standard Error:	14.0
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.974

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	16.294007	100.0	53713.0	1.629401	Y
2	STD2 580-379142/12	20.0	27.338545	100.0	55387.0	1.366927	Y
3	STD3 580-379142/11	50.0	73.329732	100.0	68492.0	1.466595	Y
4	STD4 580-379142/10	100.0	122.710385	100.0	75635.0	1.227104	Y
5	STD5 580-379142/9	200.0	293.359406	100.0	75942.0	1.466797	Y
6	STD6 580-379142/8	500.0	710.156222	100.0	83791.0	1.420312	Y
7	STD7IS 580-379142/7	1000.0	1417.098665	100.0	82562.0	1.417099	Y
8	STD8 580-379142/6	2000.0	2629.951015	100.0	87987.0	1.314976	Y
9	STD9 580-379142/5	5000.0	5724.219008	100.0	93823.0	1.144844	Y
10	STD10 580-379142/4	10000.0	9705.01824	100.0	98959.0	0.970502	Y



Calibration / Benzo[a]pyrene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

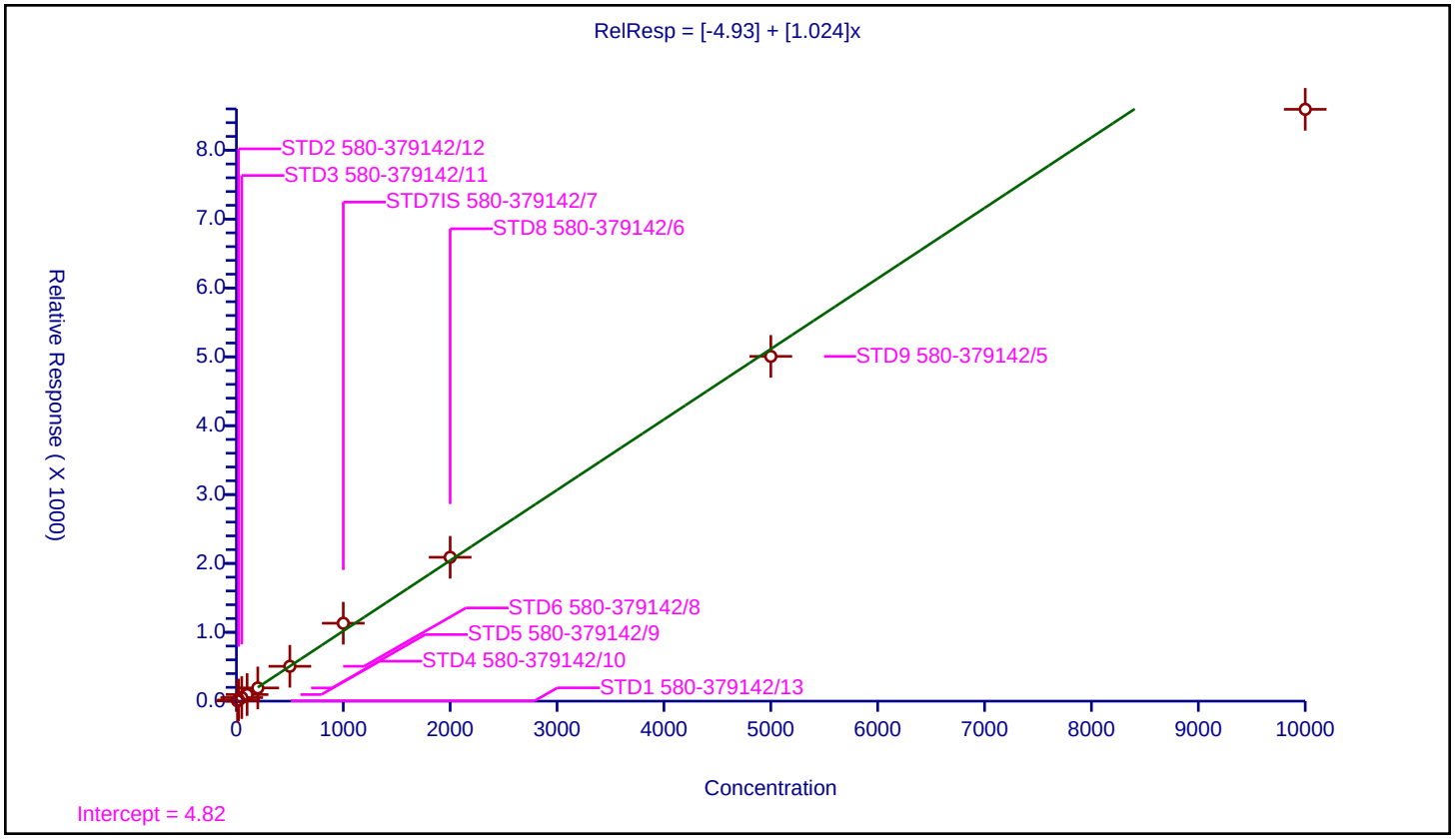
Curve Coefficients

Intercept:	-4.93
Slope:	1.024

Error Coefficients

Standard Error:	3510000
Relative Standard Error:	8.3
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	4.915011	100.0	53713.0	0.491501	Y
2	STD2 580-379142/12	20.0	16.370267	100.0	55387.0	0.818513	Y
3	STD3 580-379142/11	50.0	51.584127	100.0	68492.0	1.031683	Y
4	STD4 580-379142/10	100.0	95.634296	100.0	75635.0	0.956343	Y
5	STD5 580-379142/9	200.0	191.816123	100.0	75942.0	0.959081	Y
6	STD6 580-379142/8	500.0	506.124763	100.0	83791.0	1.01225	Y
7	STD7IS 580-379142/7	1000.0	1131.617451	100.0	82562.0	1.131617	Y
8	STD8 580-379142/6	2000.0	2089.057474	100.0	87987.0	1.044529	Y
9	STD9 580-379142/5	5000.0	5006.114705	100.0	93823.0	1.001223	Y
10	STD10 580-379142/4	10000.0	8593.954062	100.0	98959.0	0.859395	Y



Calibration / Indeno[1,2,3-cd]pyrene

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

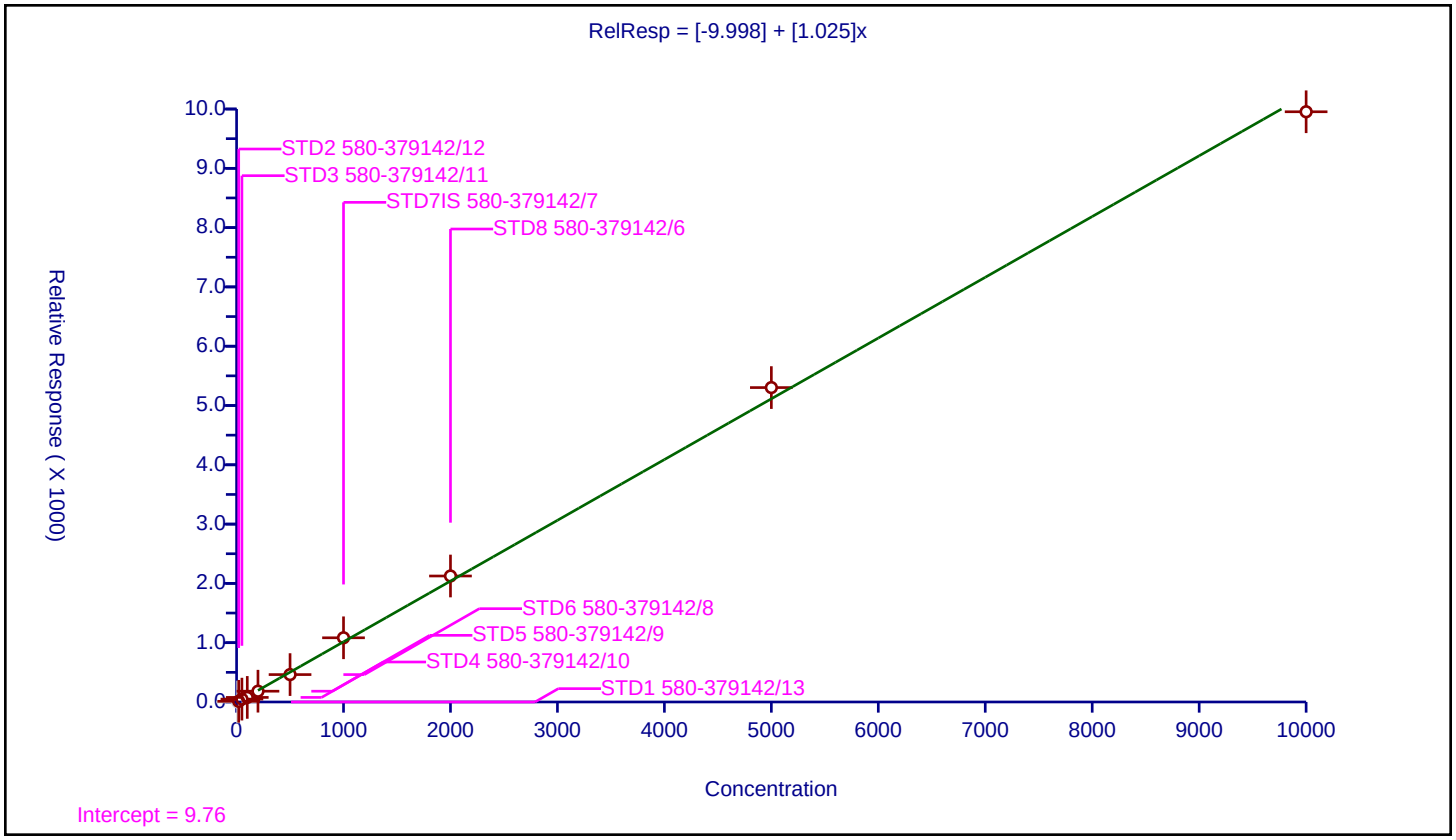
Curve Coefficients

Intercept:	-9.998
Slope:	1.025

Error Coefficients

Standard Error:	4240000
Relative Standard Error:	9.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	0.0	100.0	53713.0	0.0	N
2	STD2 580-379142/12	20.0	11.248127	100.0	55387.0	0.562406	Y
3	STD3 580-379142/11	50.0	48.360392	100.0	68492.0	0.967208	Y
4	STD4 580-379142/10	100.0	76.952469	100.0	75635.0	0.769525	Y
5	STD5 580-379142/9	200.0	181.865108	100.0	75942.0	0.909326	Y
6	STD6 580-379142/8	500.0	461.974436	100.0	83791.0	0.923949	Y
7	STD7IS 580-379142/7	1000.0	1082.734188	100.0	82562.0	1.082734	Y
8	STD8 580-379142/6	2000.0	2124.821849	100.0	87987.0	1.062411	Y
9	STD9 580-379142/5	5000.0	5302.170044	100.0	93823.0	1.060434	Y
10	STD10 580-379142/4	10000.0	9953.704059	100.0	98959.0	0.99537	Y



Calibration / Dibenz(a,h)anthracene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

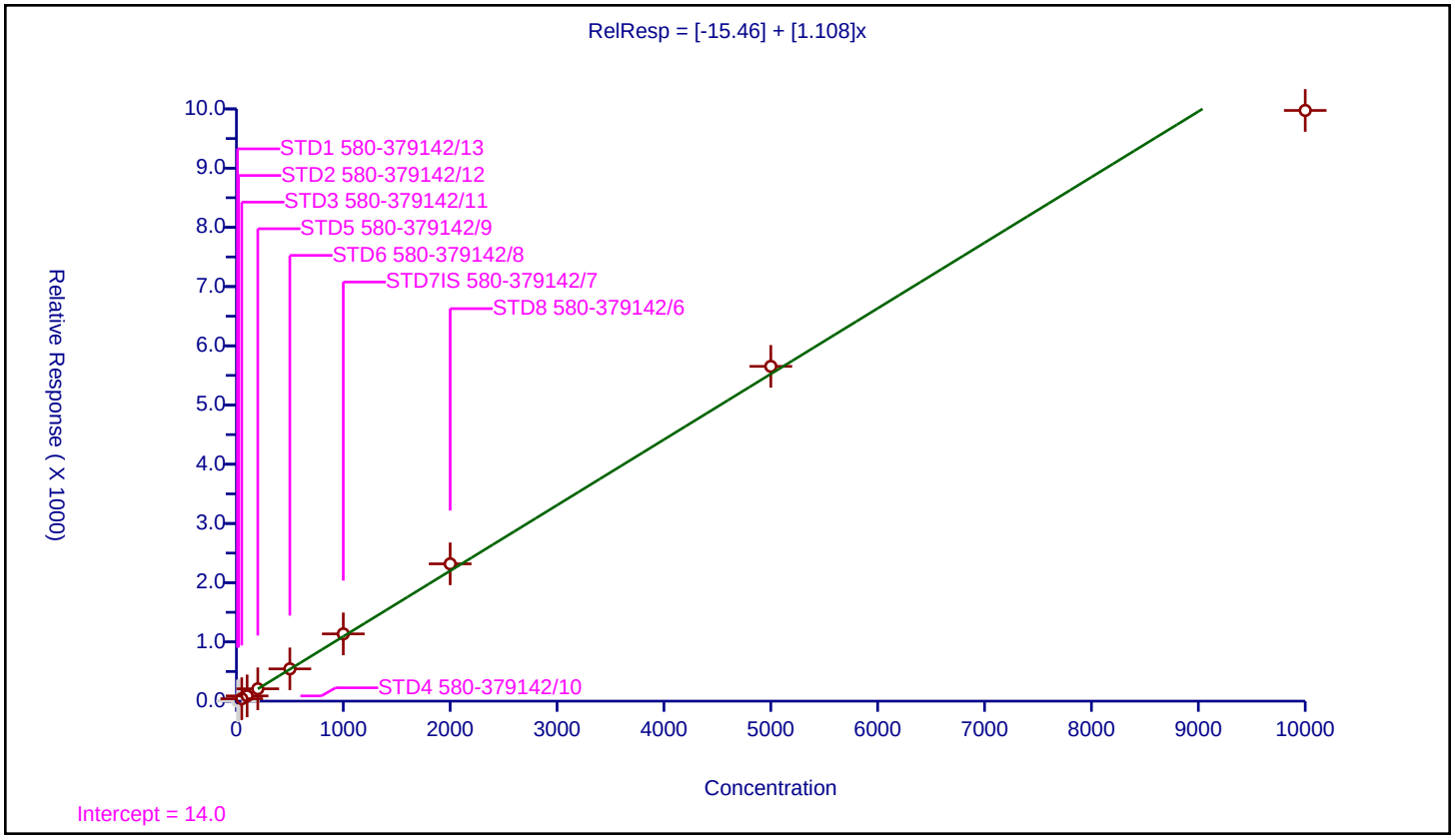
Curve Coefficients

Intercept:	-15.46
Slope:	1.108

Error Coefficients

Standard Error:	4660000
Relative Standard Error:	5.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	2.157764	100.0	53713.0	0.215776	N
2	STD2 580-379142/12	20.0	7.532453	100.0	55387.0	0.376623	N
3	STD3 580-379142/11	50.0	41.346435	100.0	68492.0	0.826929	Y
4	STD4 580-379142/10	100.0	88.195941	100.0	75635.0	0.881959	Y
5	STD5 580-379142/9	200.0	208.316873	100.0	75942.0	1.041584	Y
6	STD6 580-379142/8	500.0	544.957096	100.0	83791.0	1.089914	Y
7	STD7IS 580-379142/7	1000.0	1135.953586	100.0	82562.0	1.135954	Y
8	STD8 580-379142/6	2000.0	2318.434541	100.0	87987.0	1.159217	Y
9	STD9 580-379142/5	5000.0	5652.803684	100.0	93823.0	1.130561	Y
10	STD10 580-379142/4	10000.0	9974.033691	100.0	98959.0	0.997403	Y



Calibration / Benzo[g,h,i]perylene

Curve Type:	Quadratic
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

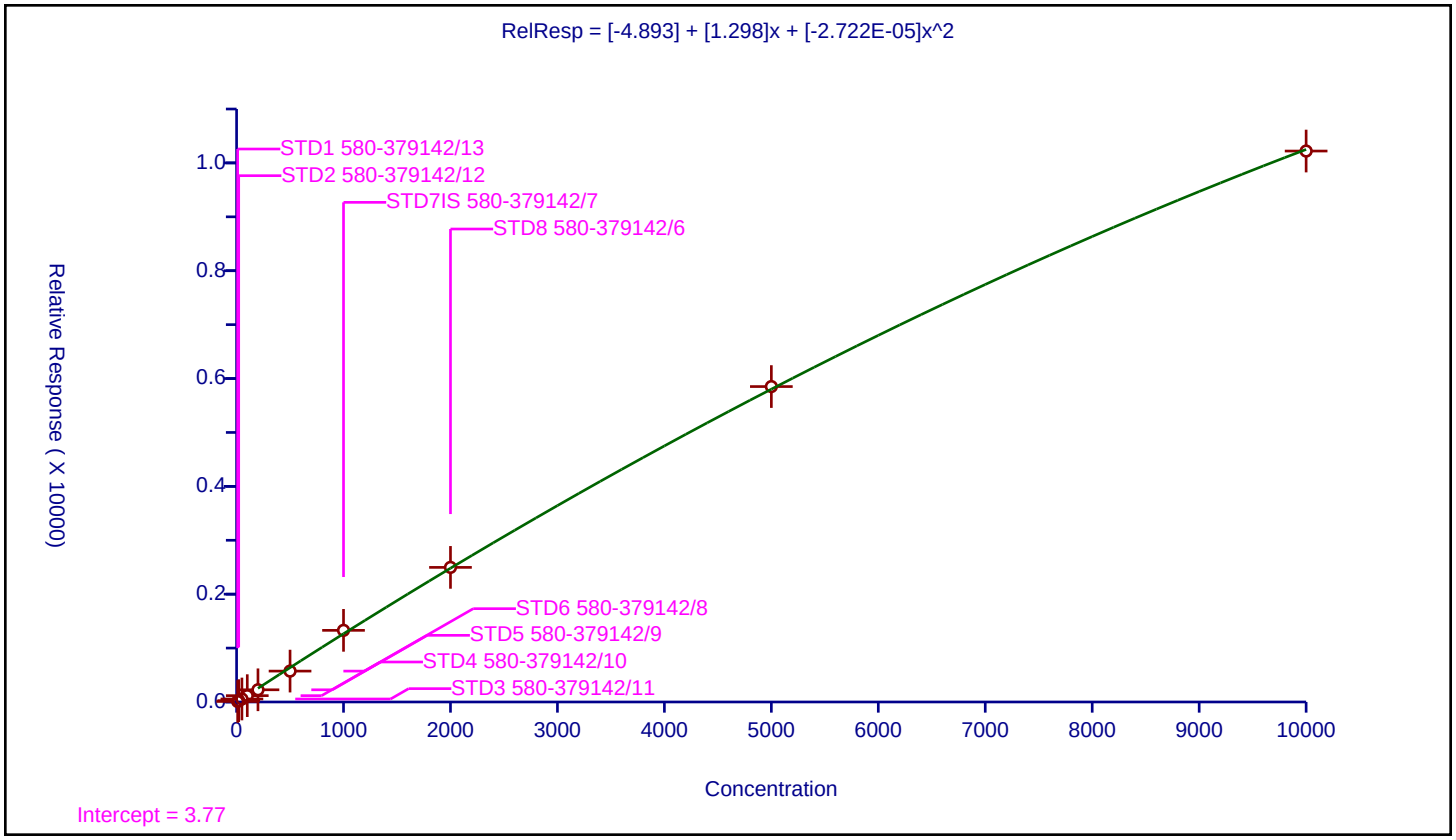
Curve Coefficients

Intercept:	-4.893
Slope:	1.298
Second Order:	-2.722E-05

Error Coefficients

Standard Error:	4450000
Relative Standard Error:	9.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	9.552622	100.0	53713.0	0.955262	Y
2	STD2 580-379142/12	20.0	24.911983	100.0	55387.0	1.245599	Y
3	STD3 580-379142/11	50.0	55.740816	100.0	68492.0	1.114816	Y
4	STD4 580-379142/10	100.0	117.602962	100.0	75635.0	1.17603	Y
5	STD5 580-379142/9	200.0	226.385926	100.0	75942.0	1.13193	Y
6	STD6 580-379142/8	500.0	572.856273	100.0	83791.0	1.145713	Y
7	STD7IS 580-379142/7	1000.0	1329.06543	100.0	82562.0	1.329065	Y
8	STD8 580-379142/6	2000.0	2496.800664	100.0	87987.0	1.2484	Y
9	STD9 580-379142/5	5000.0	5851.337092	100.0	93823.0	1.170267	Y
10	STD10 580-379142/4	10000.0	10220.299316	100.0	98959.0	1.02203	Y



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Lab Sample ID: ICV 580-384491/15 Calibration Date: 03/21/2022 09:16

Instrument ID: TAC040 Calib Start Date: 03/21/2022 05:25

GC Column: ZB-SV ID: 0.25(mm) Calib End Date: 03/21/2022 08:53

Lab File ID: 40Scan032022x016.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Nitrosodimethylamine	Ave	0.8987	0.8061	0.0100	897	1000	-10.3	20.0
Pyridine	Lin1		1.200	0.0100	1630	2000	-18.7	20.0
Aniline	Qua1		1.691	0.0100	830	1000	-17.0	20.0
Phenol	Ave	1.816	1.587	0.8000	874	1000	-12.6	20.0
Bis(2-chloroethyl)ether	Ave	1.308	1.099	0.7000	840	1000	-16.0	20.0
2-Chlorophenol	Ave	1.359	1.162	0.8000	855	1000	-14.5	20.0
n-Decane	Lin2		1.577		934	1000	-6.6	20.0
1,3-Dichlorobenzene	Ave	1.524	1.341	0.0100	880	1000	-12.0	20.0
1,4-Dichlorobenzene	Ave	1.568	1.365	0.0100	871	1000	-12.9	20.0
Benzyl alcohol	Lin1		0.9193	0.0100	892	1000	-10.8	20.0
1,2-Dichlorobenzene	Ave	1.480	1.276	0.0100	862	1000	-13.8	20.0
2-Methylphenol	Ave	1.261	1.034	0.7000	820	1000	-18.0	20.0
2,2'-oxybis[1-chloropropane]	Ave	2.464	2.208	0.0100	896	1000	-10.4	20.0
Acetophenone	Ave	1.846	1.656	0.0100	897	1000	-10.3	20.0
N-Nitrosodi-n-propylamine	Ave	1.181	1.004	0.5000	850	1000	-15.0	20.0
3 & 4 Methylphenol	Ave	1.249	1.090	0.6000	872	1000	-12.8	20.0
Hexachloroethane	Ave	0.6934	0.6255	0.3000	902	1000	-9.8	20.0
Nitrobenzene	Ave	1.614	1.405	0.2000	870	1000	-13.0	20.0
Isophorone	Lin1		2.462	0.4000	921	1000	-7.9	20.0
2-Nitrophenol	Ave	0.6182	0.5447	0.1000	881	1000	-11.9	20.0
2,4-Dimethylphenol	Ave	0.3423	0.3012	0.2000	880	1000	-12.0	20.0
Benzoic acid	Qua1		0.5310	0.0100	1740	2000	-12.9	20.0
Bis(2-chloroethoxy)methane	Ave	1.615	1.424	0.3000	882	1000	-11.8	20.0
2,4-Dichlorophenol	Ave	0.2446	0.2382	0.2000	974	1000	-2.6	20.0
1,2,4-Trichlorobenzene	Ave	0.3147	0.2866	0.0100	911	1000	-8.9	20.0
Naphthalene	Ave	1.016	0.9452	0.7000	930	1000	-7.0	20.0
2,6-Dichlorophenol	Ave	0.4879	0.4488	0.0100	920	1000	-8.0	20.0
4-Chloroaniline	Ave	0.3247	0.3264	0.0100	1010	1000	0.5	20.0
Hexachlorobutadiene	Ave	0.1835	0.1745	0.0100	950	1000	-5.0	20.0
4-Chloro-3-methylphenol	Qua2		0.4924	0.2000	938	1000	-6.2	20.0
2-Methylnaphthalene	Ave	0.6294	0.5778	0.4000	918	1000	-8.2	20.0
1-Methylnaphthalene	Ave	0.6112	0.5513	0.0100	902	1000	-9.8	20.0
Hexachlorocyclopentadiene	Ave	0.3509	0.2839	0.0500	809	1000	-19.1	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.6185	0.5422		877	1000	-12.3	20.0
2,4,6-Trichlorophenol	Lin2		0.2966	0.2000	862	1000	-13.8	20.0
2,4,5-Trichlorophenol	Lin2		0.3373	0.2000	865	1000	-13.5	20.0
1,1'-Biphenyl	Ave	1.432	1.325	0.0100	925	1000	-7.5	20.0
2-Chloronaphthalene	Ave	1.167	1.053	0.8000	902	1000	-9.8	20.0
2-Nitroaniline	Qua2		0.3557	0.0100	960	1000	-4.0	20.0
Dimethyl phthalate	Ave	1.226	1.143	0.0100	932	1000	-6.8	20.0
2,6-Dinitrotoluene	Lin2		0.2561	0.2000	924	1000	-7.6	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Lab Sample ID: ICV 580-384491/15 Calibration Date: 03/21/2022 09:16

Instrument ID: TAC040 Calib Start Date: 03/21/2022 05:25

GC Column: ZB-SV ID: 0.25(mm) Calib End Date: 03/21/2022 08:53

Lab File ID: 40Scan032022x016.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Acenaphthylene	Ave	1.841	1.719	0.9000	934	1000	-6.6	20.0
3-Nitroaniline	Lin2		0.2476	0.0100	982	1000	-1.8	20.0
Acenaphthene	Ave	1.231	1.129	0.9000	917	1000	-8.3	20.0
2,4-Dinitrophenol	Lin1		0.0742	0.0100	1630	2000	-18.6	20.0
4-Nitrophenol	Lin1		0.1332	0.0100	1730	2000	-13.4	20.0
2,4-Dinitrotoluene	Lin2		0.3197	0.2000	910	1000	-9.0	20.0
Dibenzofuran	Ave	1.574	1.467	0.8000	932	1000	-6.8	20.0
2,3,5,6-Tetrachlorophenol	Lin2		0.2452	0.0100	878	1000	-12.2	20.0
2,3,4,6-Tetrachlorophenol	Lin2		0.2877	0.0100	931	1000	-6.9	20.0
Diethyl phthalate	Ave	1.313	1.235	0.0100	940	1000	-6.0	20.0
Fluorene	Ave	1.262	1.187	0.9000	941	1000	-5.9	20.0
4-Chlorophenyl phenyl ether	Ave	0.5619	0.5506	0.4000	980	1000	-2.0	20.0
4-Nitroaniline	Ave	0.2383	0.2055	0.0100	862	1000	-13.8	20.0
4,6-Dinitro-2-methylphenol	Lin2		0.0765	0.0100	1700	2000	-15.1	20.0
N-Nitrosodiphenylamine	Ave	0.5255	0.4569	0.0100	869	1000	-13.1	20.0
Azobenzene	Ave	1.004	0.9259		922	1000	-7.8	20.0
4-Bromophenyl phenyl ether	Ave	0.2386	0.2108	0.1000	884	1000	-11.6	20.0
Hexachlorobenzene	Lin2		0.2946	0.1000	875	1000	-12.5	20.0
Atrazine	Lin2		0.2447	0.0100	806	1000	-19.4	20.0
Pentachlorophenol	Lin2		0.1169	0.0500	1710	2000	-14.4	20.0
n-Octadecane	Ave	0.5506	0.4943		898	1000	-10.2	20.0
Phenanthrene	Ave	1.090	0.9750	0.7000	894	1000	-10.6	20.0
Anthracene	Ave	1.107	0.9728	0.7000	879	1000	-12.1	20.0
Carbazole	Qua1		0.7175	0.0100	878	1000	-12.2	20.0
Di-n-butyl phthalate	Ave	1.360	1.258	0.0100	925	1000	-7.5	20.0
Fluoranthene	Ave	1.141	1.056	0.6000	926	1000	-7.4	20.0
Benzidine	Qua2		0.1156	0.0100	1610	2000	-19.3	20.0
Pyrene	Ave	1.206	1.100	0.6000	912	1000	-8.8	20.0
Butyl benzyl phthalate	Ave	0.6015	0.6125	0.0100	1020	1000	1.8	20.0
3,3'-Dichlorobenzidine	Ave	0.3481	0.3638	0.0100	2090	2000	4.5	20.0
Benzo[a]anthracene	Ave	1.163	1.146	0.8000	985	1000	-1.5	20.0
Chrysene	Ave	1.223	1.109	0.7000	906	1000	-9.4	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.8342	0.8561	0.0100	1030	1000	2.6	20.0
Di-n-octyl phthalate	Lin2		1.102	0.0100	867	1000	-13.3	20.0
Benzo[b]fluoranthene	Ave	1.028	0.9699	0.7000	944	1000	-5.6	20.0
Benzo[k]fluoranthene	Ave	1.283	1.179	0.7000	919	1000	-8.1	20.0
Benzofluoranthene	Ave	1.151	1.072		1860	2000	-6.9	20.0
Benzo[a]pyrene	Ave	0.9599	0.9907	0.7000	1030	1000	3.2	20.0
Indeno[1,2,3-cd]pyrene	Qua2		0.8400	0.5000	945	1000	-5.5	20.0
Dibenz(a,h)anthracene	Lin2		0.9541	0.4000	863	1000	-13.7	20.0
Benzo[g,h,i]perylene	Ave	1.130	1.081	0.5000	957	1000	-4.3	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Lab Sample ID: ICV 580-384491/15 Calibration Date: 03/21/2022 09:16

Instrument ID: TAC040 Calib Start Date: 03/21/2022 05:25

GC Column: ZB-SV ID: 0.25(mm) Calib End Date: 03/21/2022 08:53

Lab File ID: 40Scan032022x016.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-Fluorophenol (Surr)	Ave	1.327	1.169		881	1000	-11.9	20.0
Phenol-d5 (Surr)	Ave	1.602	1.403		876	1000	-12.4	20.0
Nitrobenzene-d5 (Surr)	Ave	0.4057	0.3712		915	1000	-8.5	20.0
2-Fluorobiphenyl	Ave	1.329	1.199		902	1000	-9.8	20.0
2,4,6-Tribromophenol (Surr)	Qua2		0.1557	0.0100	890	1000	-11.0	20.0
Terphenyl-d14 (Surr)	Ave	0.7918	0.7194		909	1000	-9.1	20.0

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC040\20220321-81841.b\40Scan032022x016.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 21-Mar-2022 09:16:30 ALS Bottle#: 13 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 1000 ppb 8270 ICV
Operator ID: jcm Instrument ID: TAC040
Sublist:

Method: \\chromfs\Seattle\ChromData\TAC040\20220321-81841.b\8270TAC040.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 22-Mar-2022 13:25:38 Calib Date: 21-Mar-2022 08:53:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC040\20220321-81841.b\40Scan032022x015.D

Column 1 : Det: MS SCAN
Process Host: CTX1668

First Level Reviewer: boylea Date: 21-Mar-2022 17:49:43

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.689	4.689	0.000	90	17149	100.0	100.0	
* 2 Naphthalene-d8	136	5.719	5.719	0.000	97	63244	100.0	100.0	
* 3 Acenaphthene-d10	164	7.154	7.154	0.000	58	33014	100.0	100.0	
* 4 Phenanthrene-d10	188	8.371	8.372	-0.001	96	55913	100.0	100.0	
* 5 Chrysene-d12	240	10.571	10.577	-0.006	58	47978	100.0	100.0	
* 6 Perylene-d12	264	12.083	12.083	0.000	94	56423	100.0	100.0	
$ 7 2-Fluorophenol	112	3.638	3.638	0.000	93	200543	1000.0	881.4	
$ 8 Phenol-d5	99	4.413	4.413	0.000	0	240570	1000.0	875.8	
$ 9 Nitrobenzene-d5	82	5.136	5.136	0.000	94	234739	1000.0	914.8	
$ 10 2-Fluorobiphenyl	172	6.613	6.613	0.000	99	395692	1000.0	901.6	
$ 11 2,4,6-Tribromophenol	330	7.801	7.807	-0.006	95	87051	1000.0	889.7	
$ 12 Terphenyl-d14	244	9.689	9.689	0.000	98	402245	1000.0	908.5	
15 N-Nitrosodimethylamine	74	2.483	2.483	0.000	80	138231	1000.0	896.9	
16 Pyridine	79	2.499	2.499	0.000	90	411534	2000.0	1625.9	
17 Aniline	93	4.425	4.425	0.000	63	289952	1000.0	830.4	
18 Phenol	94	4.425	4.425	0.000	78	272195	1000.0	874.0	
19 Bis(2-chloroethyl)ether	93	4.489	4.489	0.000	88	188433	1000.0	840.3	
20 2-Chlorophenol	128	4.519	4.519	0.000	96	199315	1000.0	855.2	
21 n-Decane	57	4.572	4.572	0.000	93	270436	1000.0	933.9	
22 1,3-Dichlorobenzene	146	4.642	4.642	0.000	96	230038	1000.0	880.5	
23 1,4-Dichlorobenzene	146	4.701	4.701	0.000	90	234120	1000.0	870.6	
27 Benzyl alcohol	79	4.813	4.813	0.000	87	157656	1000.0	891.7	
24 1,2-Dichlorobenzene	146	4.825	4.825	0.000	95	218831	1000.0	862.2	
28 2-Methylphenol	108	4.913	4.913	0.000	61	177346	1000.0	819.9	
25 2,2'-oxybis[1-chloropropane]	45	4.925	4.925	0.000	79	378711	1000.0	896.4	
29 Acetophenone	105	5.019	5.019	0.000	88	283973	1000.0	897.0	
30 N-Nitrosodi-n-propylamine	70	5.025	5.025	0.000	92	172111	1000.0	850.1	
32 3 & 4 Methylphenol	108	5.036	5.036	0.000	0	186868	1000.0	872.2	
31 Hexachloroethane	117	5.095	5.095	0.000	97	107261	1000.0	902.1	
33 Nitrobenzene	77	5.154	5.154	0.000	92	240992	1000.0	870.4	
34 Isophorone	82	5.354	5.354	0.000	96	422235	1000.0	921.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
35 2-Nitrophenol	139	5.413	5.413	0.000	93	93415	1000.0	881.1	
37 2,4-Dimethylphenol	107	5.466	5.466	0.000	97	190511	1000.0	880.1	
36 Benzoic acid	105	5.536	5.536	0.000	53	182121	2000.0	1741.2	M
38 Bis(2-chloroethoxy)methane	93	5.542	5.542	0.000	89	244260	1000.0	881.9	
39 2,4-Dichlorophenol	162	5.613	5.613	0.000	96	150666	1000.0	974.1	
40 1,2,4-Trichlorobenzene	180	5.677	5.678	-0.001	93	181269	1000.0	910.7	
41 Naphthalene	128	5.736	5.736	0.000	98	597787	1000.0	930.1	
43 4-Chloroaniline	127	5.795	5.795	0.000	74	206441	1000.0	1005.4	
42 2,6-Dichlorophenol	162	5.795	5.795	0.000	84	148181	1000.0	920.0	
44 Hexachlorobutadiene	225	5.842	5.842	0.000	94	110332	1000.0	950.5	
45 4-Chloro-3-methylphenol	107	6.201	6.201	0.000	91	162566	1000.0	938.3	
46 2-Methylnaphthalene	142	6.307	6.307	0.000	85	365430	1000.0	918.0	
47 1-Methylnaphthalene	142	6.383	6.383	0.000	90	348685	1000.0	902.1	
48 Hexachlorocyclopentadiene	237	6.436	6.436	0.000	82	93737	1000.0	809.1	M
49 1,2,4,5-Tetrachlorobenzene	216	6.442	6.442	0.000	98	178990	1000.0	876.6	
50 2,4,6-Trichlorophenol	196	6.542	6.542	0.000	95	97926	1000.0	861.5	
51 2,4,5-Trichlorophenol	196	6.572	6.578	-0.006	89	111360	1000.0	864.6	
52 1,1'-Biphenyl	154	6.689	6.689	0.000	98	437376	1000.0	925.0	
53 2-Chloronaphthalene	162	6.701	6.701	0.000	97	347513	1000.0	901.6	
54 2-Nitroaniline	138	6.795	6.795	0.000	73	117438	1000.0	960.0	
55 Dimethyl phthalate	163	6.954	6.954	0.000	97	377304	1000.0	932.3	
56 1,3-Dinitrobenzene	168	6.972	6.972	0.000	54	45645	1000.0	846.4	
57 2,6-Dinitrotoluene	165	6.995	6.995	0.000	66	84550	1000.0	924.0	
58 Acenaphthylene	152	7.036	7.036	0.000	94	567602	1000.0	934.1	
59 3-Nitroaniline	138	7.130	7.136	-0.006	86	81744	1000.0	982.3	
60 Acenaphthene	153	7.183	7.183	0.000	97	372594	1000.0	916.9	
69 2,4-Dinitrophenol	184	7.219	7.219	0.000	74	49018	2000.0	1627.2	Ma
63 4-Nitrophenol	109	7.289	7.289	0.000	96	87960	2000.0	1731.2	
61 Dibenzofuran	168	7.324	7.325	-0.001	89	484163	1000.0	931.6	
62 2,4-Dinitrotoluene	165	7.324	7.325	-0.001	60	105556	1000.0	909.9	
64 2,3,5,6-Tetrachlorophenol	232	7.395	7.395	0.000	92	80934	1000.0	877.9	
65 2,3,4,6-Tetrachlorophenol	232	7.430	7.430	0.000	73	94972	1000.0	930.7	M
66 Diethyl phthalate	149	7.530	7.536	-0.006	95	407561	1000.0	939.9	
67 Fluorene	166	7.607	7.607	0.000	81	391948	1000.0	940.8	
68 4-Chlorophenyl phenyl ether	204	7.613	7.613	0.000	95	181772	1000.0	979.8	
70 4-Nitroaniline	138	7.630	7.630	0.000	26	67849	1000.0	862.3	
73 4,6-Dinitro-2-methylphenol	198	7.654	7.654	0.000	72	85585	2000.0	1698.2	
71 N-Nitrosodiphenylamine	169	7.713	7.713	0.000	66	255463	1000.0	869.4	
72 Azobenzene	77	7.742	7.742	0.000	94	517694	1000.0	921.8	
74 4-Bromophenyl phenyl ether	248	8.013	8.013	0.000	73	117880	1000.0	883.6	
75 Hexachlorobenzene	284	8.048	8.048	0.000	89	164722	1000.0	874.6	
76 Atrazine	200	8.160	8.160	0.000	77	80771	1000.0	805.9	
77 Pentachlorophenol	266	8.218	8.219	-0.001	92	130674	2000.0	1712.1	
78 n-Octadecane	43	8.313	8.313	0.000	89	276368	1000.0	897.7	
79 Phenanthrene	178	8.389	8.389	0.000	98	545144	1000.0	894.4	
80 Anthracene	178	8.430	8.430	0.000	98	543898	1000.0	878.8	
81 Carbazole	167	8.571	8.572	-0.001	82	401157	1000.0	877.7	
83 Di-n-butyl phthalate	149	8.877	8.877	0.000	99	703526	1000.0	925.1	
84 Fluoranthene	202	9.365	9.366	-0.001	99	590629	1000.0	925.5	
85 Benzidine	184	9.495	9.495	0.000	98	129249	2000.0	1614.3	
86 Pyrene	202	9.548	9.548	0.000	96	615299	1000.0	912.4	
87 Butyl benzyl phthalate	149	10.107	10.107	0.000	97	293863	1000.0	1018.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
91 3,3'-Dichlorobenzidine	252	10.560	10.560	0.000	62	349092	2000.0	2090.4	
89 Benzo[a]anthracene	228	10.565	10.565	0.000	99	549938	1000.0	985.3	
90 Chrysene	228	10.595	10.601	-0.006	93	532031	1000.0	906.5	
92 Bis(2-ethylhexyl) phthalate	149	10.630	10.630	0.000	82	410754	1000.0	1026.3	
93 Di-n-octyl phthalate	149	11.295	11.295	0.000	99	622028	1000.0	866.7	
94 Benzo[b]fluoranthene	252	11.659	11.660	-0.001	95	547270	1000.0	943.6	
95 Benzofluoranthene	252	11.689	11.689	0.000	0	1209749	2000.0	1862.6	
96 Benzo[k]fluoranthene	252	11.689	11.689	0.000	96	665006	1000.0	918.6	
97 Benzo[a]pyrene	252	12.018	12.018	0.000	80	558996	1000.0	1032.1	
98 Indeno[1,2,3-cd]pyrene	276	13.336	13.342	-0.006	96	473929	1000.0	945.4	
99 Dibenz(a,h)anthracene	278	13.377	13.377	0.000	74	538350	1000.0	863.3	
100 Benzo[g,h,i]perylene	276	13.653	13.654	-0.001	91	609918	1000.0	956.8	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

icv_8270_1000_00012 Amount Added: 1.00 Units: mL

Report Date: 22-Mar-2022 13:26:39 Chrom Revision: 2.3 18-Mar-2022 09:07:22

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220321-81841.b\40Scan032022x016.D

Injection Date: 21-Mar-2022 09:16:30 Instrument ID: TAC040

Lims ID: ICV

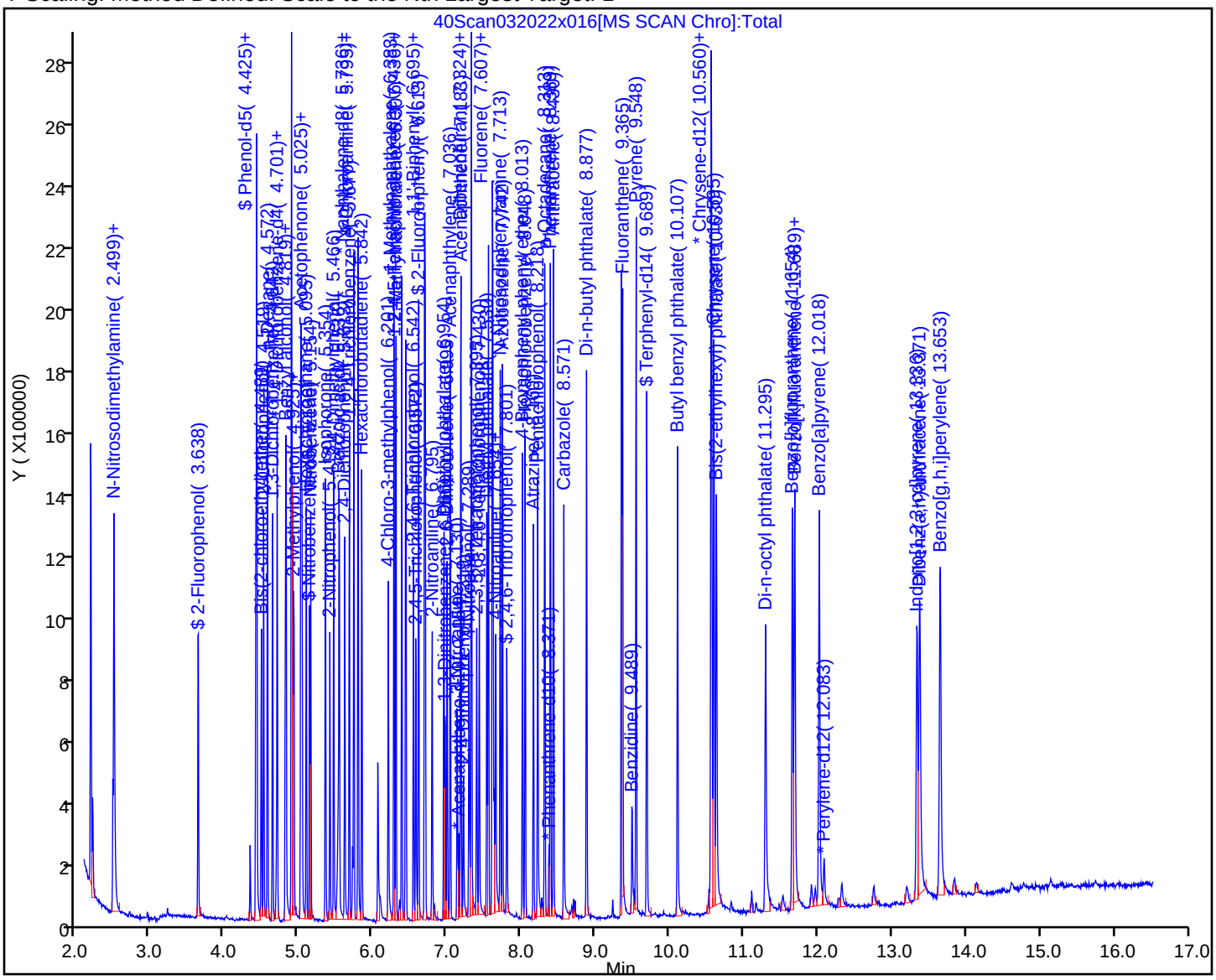
Client ID:

Operator ID: jcm ALS Bottle#: 13 Worklist Smp#: 15

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Seattle

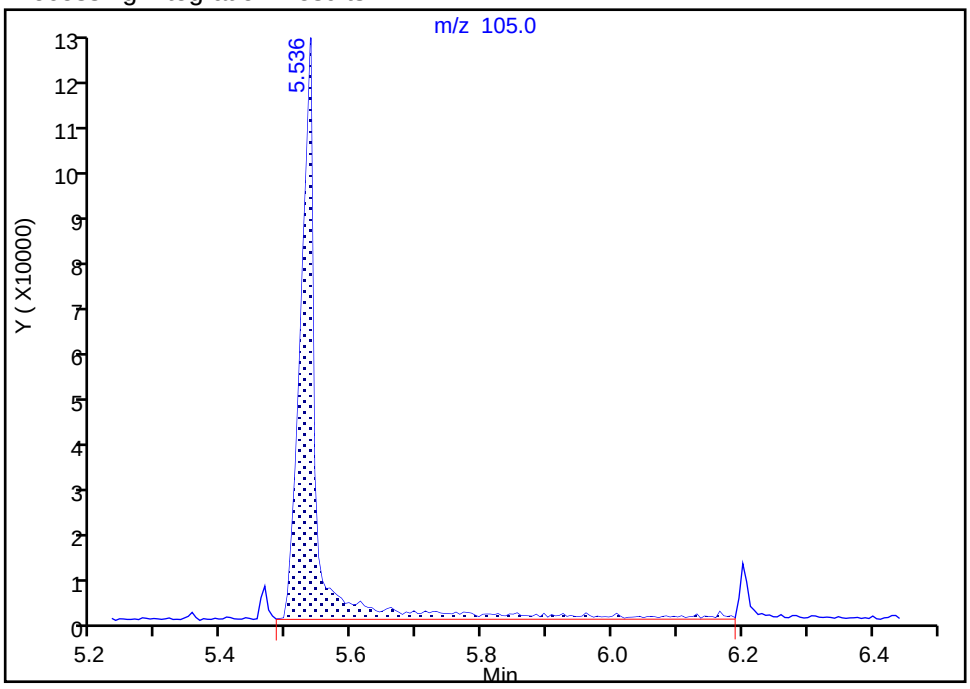
Data File: \\chromfs\Seattle\ChromData\TAC040\20220321-81841.b\40Scan032022x016.D
Injection Date: 21-Mar-2022 09:16:30 Instrument ID: TAC040
Lims ID: ICV
Client ID:
Operator ID: jcm ALS Bottle#: 13 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

36 Benzoic acid, CAS: 65-85-0

Signal: 1

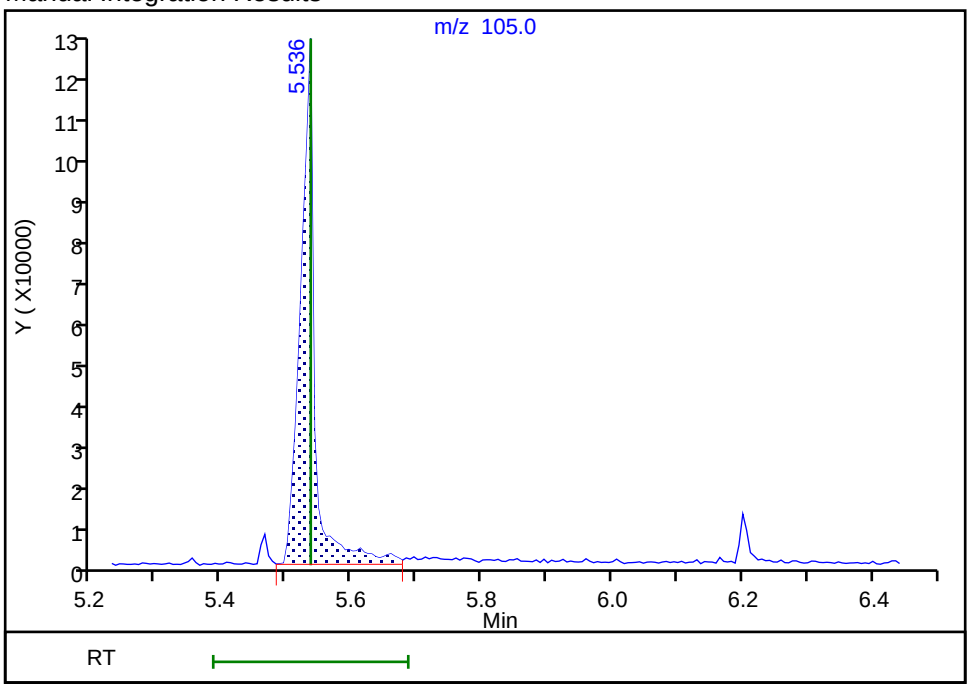
Processing Integration Results

RT: 5.54
Area: 205757
Amount: 1841.6668
Amount Units: ug/L



Manual Integration Results

RT: 5.54
Area: 182121
Amount: 1741.2289
Amount Units: ug/L



Reviewer: boylea, 21-Mar-2022 17:48:24
Audit Action: Split an Integrated Peak Audit Reason: Peak Tail

Manual Integration/User Assign Peak Report

Eurofins Seattle

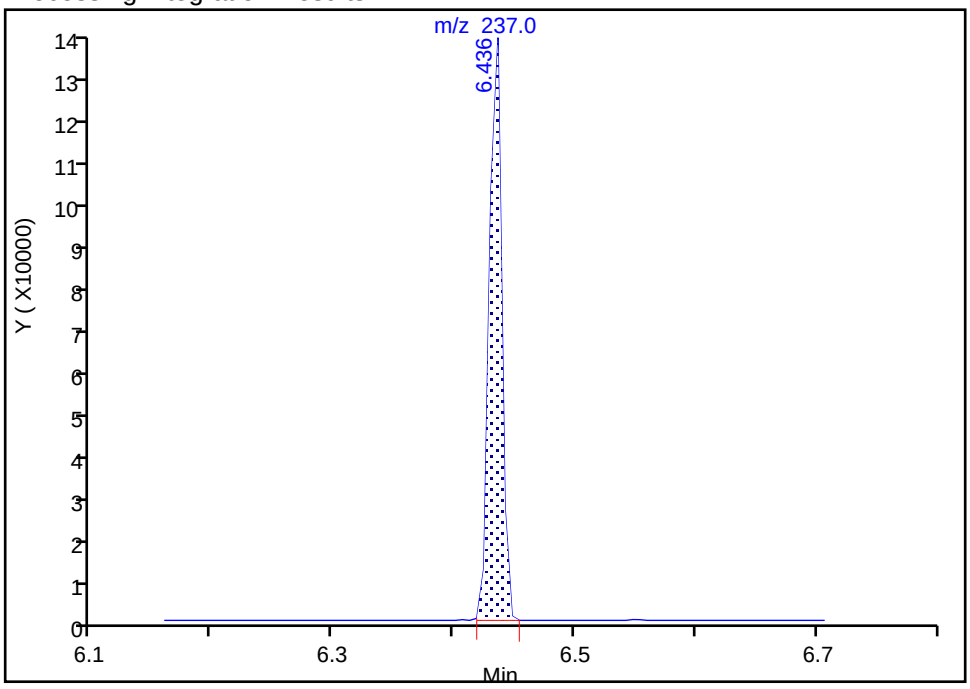
Data File: \\chromfs\Seattle\ChromData\TAC040\20220321-81841.b\40Scan032022x016.D
Injection Date: 21-Mar-2022 09:16:30 Instrument ID: TAC040
Lims ID: ICV
Client ID:
Operator ID: jcm ALS Bottle#: 13 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

48 Hexachlorocyclopentadiene, CAS: 77-47-4

Signal: 1

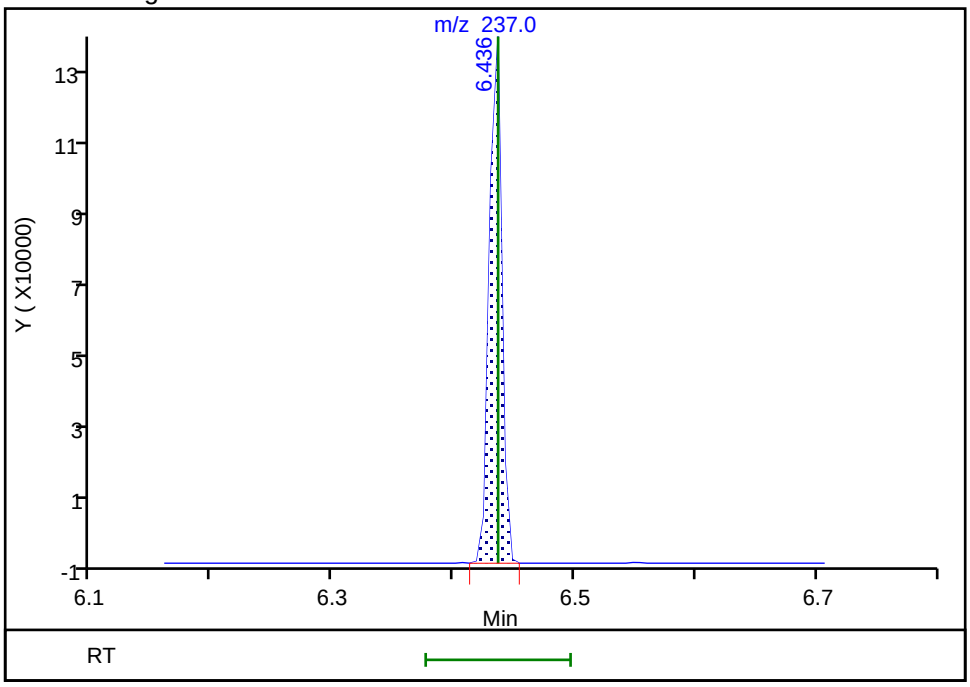
Processing Integration Results

RT: 6.44
Area: 93708
Amount: 756.8059
Amount Units: ug/L



Manual Integration Results

RT: 6.44
Area: 93737
Amount: 809.0514
Amount Units: ug/L



Reviewer: boylea, 22-Mar-2022 13:10:22
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Seattle

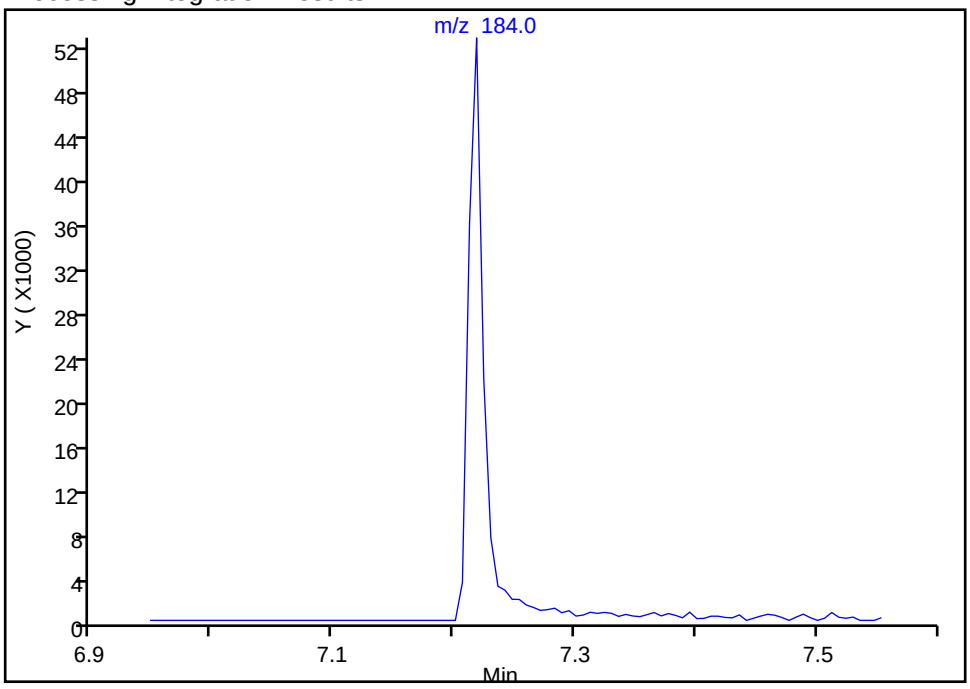
Data File: \\chromfs\Seattle\ChromData\TAC040\20220321-81841.b\40Scan032022x016.D
Injection Date: 21-Mar-2022 09:16:30 Instrument ID: TAC040
Lims ID: ICV
Client ID:
Operator ID: jcm ALS Bottle#: 13 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

69 2,4-Dinitrophenol, CAS: 51-28-5

Signal: 1

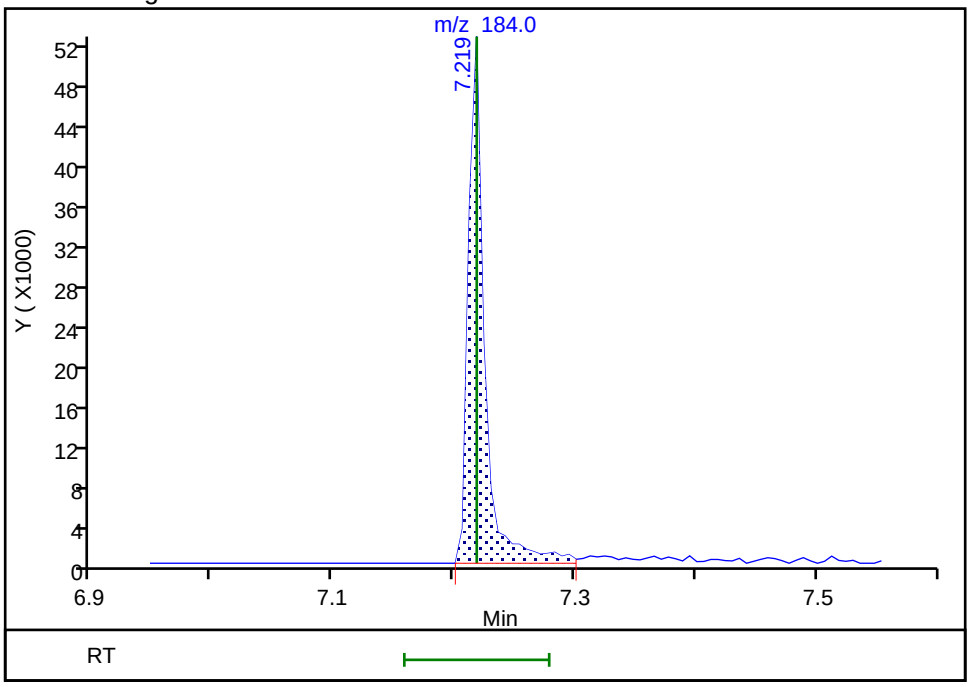
Not Detected
Expected RT: 7.22

Processing Integration Results



Manual Integration Results

RT: 7.22
Area: 49018
Amount: 1627.1902
Amount Units: ug/L



Reviewer: boylea, 21-Mar-2022 17:48:46
Audit Action: Split an Integrated Peak Audit Reason: Peak Tail

Manual Integration/User Assign Peak Report

Eurofins Seattle

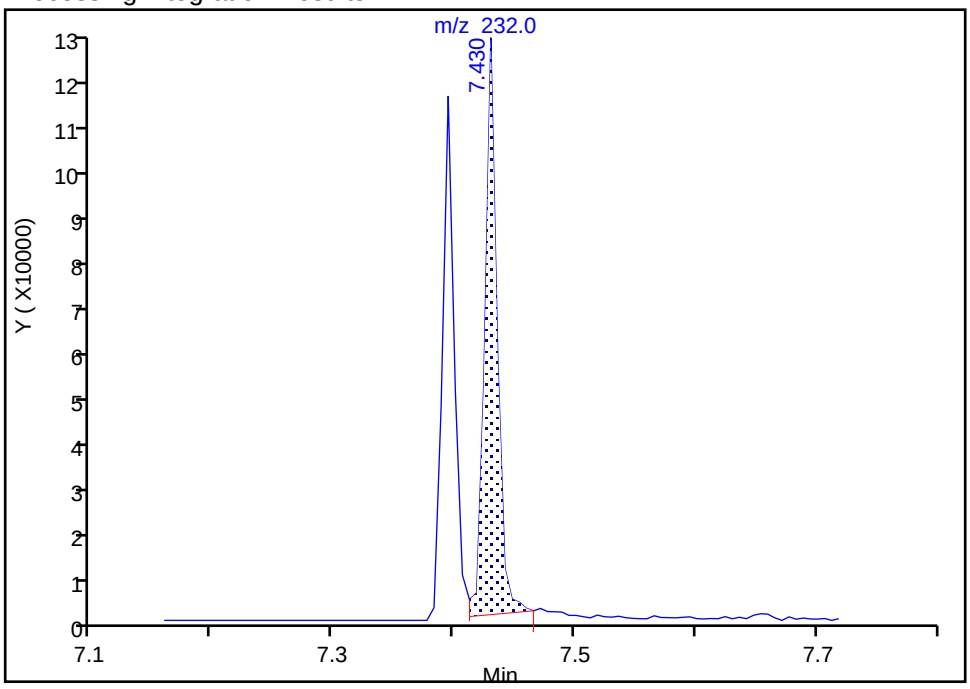
Data File: \\chromfs\Seattle\ChromData\TAC040\20220321-81841.b\40Scan032022x016.D
Injection Date: 21-Mar-2022 09:16:30 Instrument ID: TAC040
Lims ID: ICV
Client ID:
Operator ID: jcm ALS Bottle#: 13 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

65 2,3,4,6-Tetrachlorophenol, CAS: 58-90-2

Signal: 1

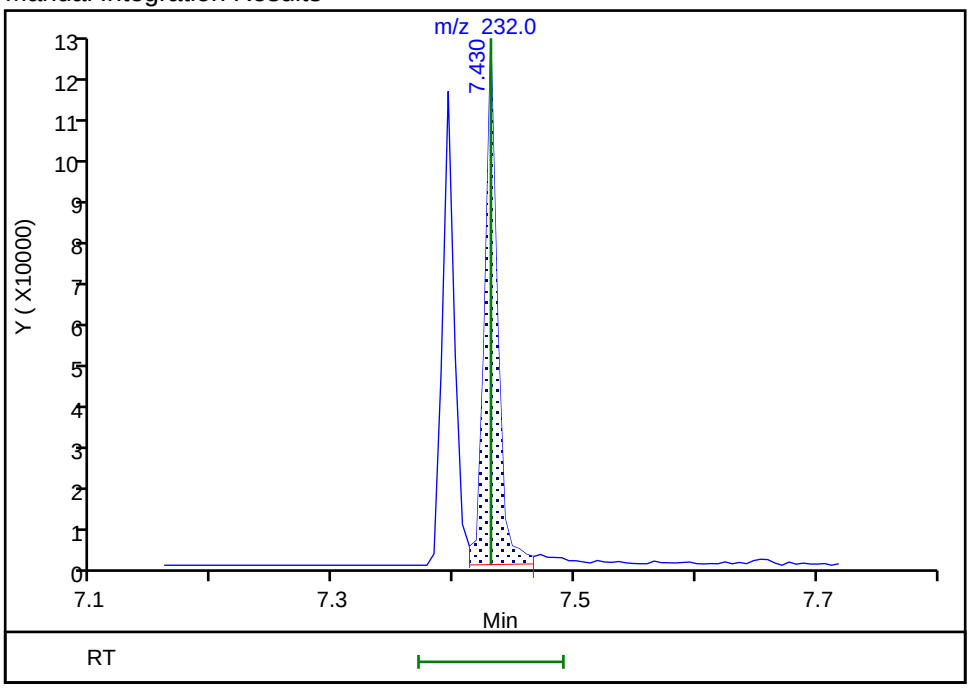
Processing Integration Results

RT: 7.43
Area: 90494
Amount: 909.2493
Amount Units: ug/L



Manual Integration Results

RT: 7.43
Area: 94972
Amount: 930.7298
Amount Units: ug/L



Reviewer: boylea, 21-Mar-2022 17:49:06
Audit Action: Manually Integrated Audit Reason: Baseline

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Seattle | Job No.: 580-111294-1

SDG No.:

Lab Sample ID: CCVIS 580-384624/3 | Calibration Date: 03/22/2022 12:55

Instrument ID: TAC040 | Calib Start Date: 03/21/2022 05:25

GC Column: ZB-SV ID: 0.25(mm) | Calib End Date: 03/21/2022 08:53

Lab File ID: 40Scan032222a004.D | Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Nitrosodimethylamine	Ave	0.8987	0.9190	0.0100	1020	1000	2.3	20.0
Pyridine	Lin1		1.563	0.0100	2120	2000	6.0	20.0
Aniline	Qua1		2.005	0.0100	985	1000	-1.5	20.0
Phenol	Ave	1.816	1.771	0.8000	975	1000	-2.5	20.0
Bis(2-chloroethyl)ether	Ave	1.308	1.301	0.7000	995	1000	-0.5	20.0
2-Chlorophenol	Ave	1.359	1.294	0.8000	952	1000	-4.8	20.0
n-Decane	Lin2		1.780		1060	1000	5.6	20.0
1,3-Dichlorobenzene	Ave	1.524	1.520	0.0100	998	1000	-0.2	20.0
1,4-Dichlorobenzene	Ave	1.568	1.538	0.0100	981	1000	-1.9	20.0
Benzyl alcohol	Lin1		0.6546	0.0100	648	1000	-35.2*	20.0
1,2-Dichlorobenzene	Ave	1.480	1.454	0.0100	983	1000	-1.7	20.0
2-Methylphenol	Ave	1.261	1.179	0.7000	935	1000	-6.5	20.0
2,2'-oxybis[1-chloropropane]	Ave	2.464	2.592	0.0100	1050	1000	5.2	20.0
Acetophenone	Ave	1.846	1.819	0.0100	985	1000	-1.5	20.0
N-Nitrosodi-n-propylamine	Ave	1.181	1.136	0.5000	962	1000	-3.8	20.0
3 & 4 Methylphenol	Ave	1.249	1.198	0.6000	959	1000	-4.1	20.0
Hexachloroethane	Ave	0.6934	0.7050	0.3000	1020	1000	1.7	20.0
Nitrobenzene	Ave	1.614	1.604	0.2000	993	1000	-0.7	20.0
Isophorone	Lin1		2.718	0.4000	1020	1000	1.7	20.0
2-Nitrophenol	Ave	0.6182	0.6324	0.1000	1020	1000	2.3	20.0
2,4-Dimethylphenol	Ave	0.3423	0.3049	0.2000	891	1000	-10.9	20.0
Benzoic acid	Qua1		0.4831	0.0100	1610	2000	-19.4	20.0
Bis(2-chloroethoxy)methane	Ave	1.615	1.588	0.3000	983	1000	-1.7	20.0
2,4-Dichlorophenol	Ave	0.2446	0.2430	0.2000	994	1000	-0.6	20.0
1,2,4-Trichlorobenzene	Ave	0.3147	0.3026	0.0100	961	1000	-3.9	20.0
Naphthalene	Ave	1.016	0.9884	0.7000	973	1000	-2.7	20.0
2,6-Dichlorophenol	Ave	0.4879	0.4904	0.0100	1010	1000	0.5	20.0
4-Chloroaniline	Ave	0.3247	0.3270	0.0100	1010	1000	0.7	20.0
Hexachlorobutadiene	Ave	0.1835	0.1814	0.0100	988	1000	-1.2	20.0
4-Chloro-3-methylphenol	Qua2		0.5183	0.2000	986	1000	-1.4	20.0
2-Methylnaphthalene	Ave	0.6294	0.6178	0.4000	982	1000	-1.8	20.0
1-Methylnaphthalene	Ave	0.6112	0.5875	0.0100	961	1000	-3.9	20.0
Hexachlorocyclopentadiene	Ave	0.3509	0.3843	0.0500	1100	1000	9.5	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.6185	0.6056		979	1000	-2.1	20.0
2,4,6-Trichlorophenol	Lin2		0.3121	0.2000	906	1000	-9.4	20.0
2,4,5-Trichlorophenol	Lin2		0.3819	0.2000	976	1000	-2.4	20.0
1,1'-Biphenyl	Ave	1.432	1.464	0.0100	1020	1000	2.2	20.0
2-Chloronaphthalene	Ave	1.167	1.181	0.8000	1010	1000	1.2	20.0
2-Nitroaniline	Qua2		0.3882	0.0100	1050	1000	4.5	20.0
Dimethyl phthalate	Ave	1.226	1.262	0.0100	1030	1000	3.0	20.0
2,6-Dinitrotoluene	Lin2		0.2747	0.2000	990	1000	-1.0	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Seattle | Job No.: 580-111294-1

SDG No.:

Lab Sample ID: CCVIS 580-384624/3 | Calibration Date: 03/22/2022 12:55

Instrument ID: TAC040 | Calib Start Date: 03/21/2022 05:25

GC Column: ZB-SV ID: 0.25(mm) | Calib End Date: 03/21/2022 08:53

Lab File ID: 40Scan032222a004.D | Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Acenaphthylene	Ave	1.841	1.850	0.9000	1010	1000	0.5	20.0
3-Nitroaniline	Lin2		0.2681	0.0100	1060	1000	6.2	20.0
Acenaphthene	Ave	1.231	1.223	0.9000	994	1000	-0.6	20.0
2,4-Dinitrophenol	Lin1		0.0946	0.0100	1880	2000	-6.1	20.0
4-Nitrophenol	Lin1		0.1405	0.0100	1810	2000	-9.7	20.0
2,4-Dinitrotoluene	Lin2		0.3519	0.2000	998	1000	-0.2	20.0
Dibenzofuran	Ave	1.574	1.657	0.8000	1050	1000	5.3	20.0
2,3,5,6-Tetrachlorophenol	Lin2		0.2506	0.0100	896	1000	-10.4	20.0
2,3,4,6-Tetrachlorophenol	Lin2		0.3191	0.0100	1030	1000	3.0	20.0
Diethyl phthalate	Ave	1.313	1.349	0.0100	1030	1000	2.7	20.0
Fluorene	Ave	1.262	1.284	0.9000	1020	1000	1.8	20.0
4-Chlorophenyl phenyl ether	Ave	0.5619	0.5804	0.4000	1030	1000	3.3	20.0
4-Nitroaniline	Ave	0.2383	0.2584	0.0100	1080	1000	8.4	20.0
4,6-Dinitro-2-methylphenol	Lin2		0.0818	0.0100	1800	2000	-10.0	20.0
N-Nitrosodiphenylamine	Ave	0.5255	0.5012	0.0100	954	1000	-4.6	20.0
Azobenzene	Ave	1.004	1.023		1020	1000	1.8	20.0
4-Bromophenyl phenyl ether	Ave	0.2386	0.2229	0.1000	934	1000	-6.6	20.0
Hexachlorobenzene	Lin2		0.3052	0.1000	906	1000	-9.4	20.0
Atrazine	Lin2		0.3224	0.0100	1060	1000	6.1	20.0
Pentachlorophenol	Lin2		0.1183	0.0500	1730	2000	-13.4	20.0
n-Octadecane	Ave	0.5506	0.5554		1010	1000	0.9	20.0
Phenanthrene	Ave	1.090	1.037	0.7000	951	1000	-4.9	20.0
Anthracene	Ave	1.107	1.066	0.7000	963	1000	-3.7	20.0
Carbazole	Qua1		0.8658	0.0100	1080	1000	7.5	20.0
Di-n-butyl phthalate	Ave	1.360	1.310	0.0100	963	1000	-3.7	20.0
Fluoranthene	Ave	1.141	1.107	0.6000	969	1000	-3.1	20.0
Benzidine	Qua2		0.1357	0.0100	1850	2000	-7.4	20.0
Pyrene	Ave	1.206	1.157	0.6000	959	1000	-4.1	20.0
Butyl benzyl phthalate	Ave	0.6015	0.6374	0.0100	1060	1000	6.0	20.0
3,3'-Dichlorobenzidine	Ave	0.3481	0.4209	0.0100	2420	2000	20.9*	20.0
Benzo[a]anthracene	Ave	1.163	1.148	0.8000	987	1000	-1.3	20.0
Chrysene	Ave	1.223	1.214	0.7000	992	1000	-0.8	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.8342	0.9091	0.0100	1090	1000	9.0	20.0
Di-n-octyl phthalate	Lin2		1.359	0.0100	1060	1000	6.3	20.0
Benzo[b]fluoranthene	Ave	1.028	1.149	0.7000	1120	1000	11.7	20.0
Benzo[k]fluoranthene	Ave	1.283	1.326	0.7000	1030	1000	3.3	20.0
Benzofluoranthene	Ave	1.151	1.206		2100	2000	4.8	20.0
Benzo[a]pyrene	Ave	0.9599	1.036	0.7000	1080	1000	8.0	20.0
Indeno[1,2,3-cd]pyrene	Qua2		0.9565	0.5000	1070	1000	6.7	20.0
Dibenz(a,h)anthracene	Lin2		1.141	0.4000	1030	1000	2.9	20.0
Benzo[g,h,i]perylene	Ave	1.130	1.260	0.5000	1120	1000	11.6	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Lab Sample ID: CCVIS 580-384624/3 Calibration Date: 03/22/2022 12:55

Instrument ID: TAC040 Calib Start Date: 03/21/2022 05:25

GC Column: ZB-SV ID: 0.25(mm) Calib End Date: 03/21/2022 08:53

Lab File ID: 40Scan032222a004.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-Fluorophenol (Surr)	Ave	1.327	1.254		945	1000	-5.5	20.0
Phenol-d5 (Surr)	Ave	1.602	1.629		1020	1000	1.7	20.0
Nitrobenzene-d5 (Surr)	Ave	0.4057	0.4132		1020	1000	1.8	20.0
2-Fluorobiphenyl	Ave	1.329	1.310		985	1000	-1.5	20.0
2,4,6-Tribromophenol (Surr)	Qua2		0.1659	0.0100	946	1000	-5.4	20.0
Terphenyl-d14 (Surr)	Ave	0.7918	0.7605		960	1000	-4.0	20.0

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC040\20220322-81863.b\40Scan032222a004.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 22-Mar-2022 12:55:30 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ccvis
Operator ID: jcm Instrument ID: TAC040
Sublist: chrom-8270TAC040*sub20

Method: \\chromfs\Seattle\ChromData\TAC040\20220322-81863.b\8270TAC040.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 22-Mar-2022 17:29:22 Calib Date: 21-Mar-2022 08:53:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC040\20220321-81841.b\40Scan032022x015.D

Column 1 : Det: MS SCAN
Process Host: CTX1668

First Level Reviewer: boylea Date: 22-Mar-2022 17:29:22

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.689	4.689	0.000	94	18493	100.0	100.0	
* 2 Naphthalene-d8	136	5.719	5.719	0.000	98	71720	100.0	100.0	
* 3 Acenaphthene-d10	164	7.154	7.154	0.000	71	35488	100.0	100.0	
* 4 Phenanthrene-d10	188	8.371	8.371	0.000	95	61906	100.0	100.0	
* 5 Chrysene-d12	240	10.577	10.577	0.000	70	52526	100.0	100.0	
* 6 Perylene-d12	264	12.089	12.089	0.000	93	55148	100.0	100.0	
$ 7 2-Fluorophenol	112	3.633	3.633	0.000	95	231899	1000.0	945.2	
$ 8 Phenol-d5	99	4.413	4.413	0.000	0	301262	1000.0	1017.0	
$ 9 Nitrobenzene-d5	82	5.136	5.136	0.000	95	296368	1000.0	1018.5	
$ 10 2-Fluorobiphenyl	172	6.613	6.613	0.000	98	464868	1000.0	985.4	
$ 11 2,4,6-Tribromophenol	330	7.807	7.807	0.000	92	102697	1000.0	946.3	
$ 12 Terphenyl-d14	244	9.695	9.695	0.000	99	470826	1000.0	960.5	
15 N-Nitrosodimethylamine	74	2.477	2.477	0.000	86	169943	1000.0	1022.5	
16 Pyridine	79	2.493	2.493	0.000	90	578163	2000.0	2120.0	
17 Aniline	93	4.425	4.425	0.000	67	370733	1000.0	985.3	
18 Phenol	94	4.425	4.425	0.000	71	327486	1000.0	975.1	
19 Bis(2-chloroethyl)ether	93	4.489	4.489	0.000	88	240520	1000.0	994.6	
20 2-Chlorophenol	128	4.519	4.519	0.000	95	239359	1000.0	952.4	
21 n-Decane	57	4.572	4.572	0.000	94	329230	1000.0	1056.4	
22 1,3-Dichlorobenzene	146	4.636	4.636	0.000	93	281157	1000.0	997.9	
23 1,4-Dichlorobenzene	146	4.701	4.701	0.000	90	284490	1000.0	981.0	
27 Benzyl alcohol	79	4.813	4.813	0.000	85	121056	1000.0	648.1	
24 1,2-Dichlorobenzene	146	4.819	4.819	0.000	89	268950	1000.0	982.7	
28 2-Methylphenol	108	4.913	4.913	0.000	60	218072	1000.0	935.0	
25 2,2'-oxybis[1-chloropropane]	45	4.925	4.925	0.000	80	479277	1000.0	1051.9	
29 Acetophenone	105	5.019	5.019	0.000	86	336311	1000.0	985.1	
30 N-Nitrosodi-n-propylamine	70	5.025	5.025	0.000	92	210081	1000.0	962.2	
32 3 & 4 Methylphenol	108	5.042	5.042	0.000	0	221559	1000.0	958.9	
31 Hexachloroethane	117	5.095	5.095	0.000	97	130382	1000.0	1016.8	
33 Nitrobenzene	77	5.154	5.154	0.000	92	296549	1000.0	993.3	
34 Isophorone	82	5.354	5.354	0.000	98	502592	1000.0	1017.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
35 2-Nitrophenol	139	5.413	5.413	0.000	91	116955	1000.0	1023.0	
37 2,4-Dimethylphenol	107	5.466	5.466	0.000	96	218670	1000.0	890.8	
36 Benzoic acid	105	5.530	5.530	0.000	86	178683	2000.0	1612.1	Ma
38 Bis(2-chloroethoxy)methane	93	5.542	5.542	0.000	93	293738	1000.0	983.5	
39 2,4-Dichlorophenol	162	5.619	5.619	0.000	96	174270	1000.0	993.6	
40 1,2,4-Trichlorobenzene	180	5.677	5.677	0.000	94	217016	1000.0	961.4	
41 Naphthalene	128	5.736	5.736	0.000	97	708865	1000.0	972.6	
43 4-Chloroaniline	127	5.795	5.795	0.000	74	234510	1000.0	1007.1	
42 2,6-Dichlorophenol	162	5.795	5.795	0.000	81	174017	1000.0	1005.1	
44 Hexachlorobutadiene	225	5.842	5.842	0.000	93	130090	1000.0	988.3	
45 4-Chloro-3-methylphenol	107	6.207	6.207	0.000	95	183932	1000.0	986.2	
46 2-Methylnaphthalene	142	6.307	6.307	0.000	85	443117	1000.0	981.6	
47 1-Methylnaphthalene	142	6.383	6.383	0.000	90	421361	1000.0	961.3	
48 Hexachlorocyclopentadiene	237	6.436	6.436	0.000	91	136386	1000.0	1095.1	
49 1,2,4,5-Tetrachlorobenzene	216	6.442	6.442	0.000	99	214901	1000.0	979.1	
50 2,4,6-Trichlorophenol	196	6.542	6.542	0.000	94	110762	1000.0	905.5	
51 2,4,5-Trichlorophenol	196	6.577	6.577	0.000	89	135518	1000.0	976.3	M
52 1,1'-Biphenyl	154	6.689	6.689	0.000	97	519512	1000.0	1022.2	
53 2-Chloronaphthalene	162	6.701	6.701	0.000	98	419207	1000.0	1011.8	
54 2-Nitroaniline	138	6.795	6.795	0.000	78	137769	1000.0	1045.0	
55 Dimethyl phthalate	163	6.954	6.954	0.000	96	448010	1000.0	1029.8	
56 1,3-Dinitrobenzene	168	6.971	6.971	0.000	70	55357	1000.0	947.4	
57 2,6-Dinitrotoluene	165	7.001	7.001	0.000	60	97485	1000.0	990.1	
58 Acenaphthylene	152	7.042	7.042	0.000	92	656544	1000.0	1005.2	
59 3-Nitroaniline	138	7.136	7.136	0.000	89	95160	1000.0	1062.2	
60 Acenaphthene	153	7.183	7.183	0.000	97	434011	1000.0	993.6	
69 2,4-Dinitrophenol	184	7.218	7.218	0.000	62	67156	2000.0	1877.2	a
63 4-Nitrophenol	109	7.307	7.307	0.000	95	99715	2000.0	1805.3	
61 Dibenzofuran	168	7.324	7.324	0.000	88	588062	1000.0	1052.7	
62 2,4-Dinitrotoluene	165	7.324	7.324	0.000	61	124885	1000.0	998.2	
64 2,3,5,6-Tetrachlorophenol	232	7.401	7.401	0.000	88	88927	1000.0	896.3	
65 2,3,4,6-Tetrachlorophenol	232	7.436	7.436	0.000	69	113245	1000.0	1030.2	
66 Diethyl phthalate	149	7.536	7.536	0.000	96	478828	1000.0	1027.3	
67 Fluorene	166	7.607	7.607	0.000	82	455757	1000.0	1017.7	
68 4-Chlorophenyl phenyl ether	204	7.618	7.618	0.000	95	205972	1000.0	1032.8	
70 4-Nitroaniline	138	7.636	7.636	0.000	27	91707	1000.0	1084.3	
73 4,6-Dinitro-2-methylphenol	198	7.654	7.654	0.000	64	101249	2000.0	1799.0	
71 N-Nitrosodiphenylamine	169	7.713	7.713	0.000	68	310257	1000.0	953.7	
72 Azobenzene	77	7.742	7.742	0.000	87	633087	1000.0	1018.2	
74 4-Bromophenyl phenyl ether	248	8.018	8.018	0.000	62	138003	1000.0	934.3	
75 Hexachlorobenzene	284	8.054	8.054	0.000	93	188961	1000.0	906.1	
76 Atrazine	200	8.165	8.165	0.000	84	114411	1000.0	1061.1	
77 Pentachlorophenol	266	8.224	8.224	0.000	90	146521	2000.0	1731.2	M
78 n-Octadecane	43	8.313	8.313	0.000	89	343796	1000.0	1008.6	
79 Phenanthrene	178	8.389	8.389	0.000	98	641803	1000.0	951.1	
80 Anthracene	178	8.430	8.430	0.000	98	659706	1000.0	962.7	
81 Carbazole	167	8.577	8.577	0.000	82	535972	1000.0	1075.1	
83 Di-n-butyl phthalate	149	8.877	8.877	0.000	99	810899	1000.0	963.1	
84 Fluoranthene	202	9.365	9.365	0.000	98	685005	1000.0	969.5	
85 Benzidine	184	9.495	9.495	0.000	97	167969	2000.0	1851.3	
86 Pyrene	202	9.548	9.548	0.000	95	715946	1000.0	958.9	
87 Butyl benzyl phthalate	149	10.107	10.107	0.000	96	334815	1000.0	1059.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
91 3,3'-Dichlorobenzidine	252	10.559	10.559	0.000	70	442129	2000.0	2418.2	
89 Benzo[a]anthracene	228	10.565	10.565	0.000	98	603003	1000.0	986.8	
90 Chrysene	228	10.601	10.601	0.000	93	637563	1000.0	992.2	
92 Bis(2-ethylhexyl) phthalate	149	10.630	10.630	0.000	81	477498	1000.0	1089.8	
93 Di-n-octyl phthalate	149	11.295	11.295	0.000	99	749729	1000.0	1063.4	
94 Benzo[b]fluoranthene	252	11.659	11.659	0.000	92	633479	1000.0	1117.4	
95 Benzofluoranthene	252	11.689	11.689	0.000	0	1330357	2000.0	2095.7	
96 Benzo[k]fluoranthene	252	11.689	11.689	0.000	96	731129	1000.0	1033.2	
97 Benzo[a]pyrene	252	12.024	12.024	0.000	77	571571	1000.0	1079.7	
98 Indeno[1,2,3-cd]pyrene	276	13.342	13.342	0.000	92	527500	1000.0	1067.5	
99 Dibenz(a,h)anthracene	278	13.377	13.377	0.000	75	629007	1000.0	1029.3	
100 Benzo[g,h,i]perylene	276	13.653	13.653	0.000	94	695115	1000.0	1115.6	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

ccv_8270_1000_00057 Amount Added: 1.00 Units: mL

Report Date: 22-Mar-2022 17:29:23 Chrom Revision: 2.3 18-Mar-2022 09:07:22

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220322-81863.b\40Scan032222a004.D

Injection Date: 22-Mar-2022 12:55:30 Instrument ID: TAC040

Lims ID: CCVIS

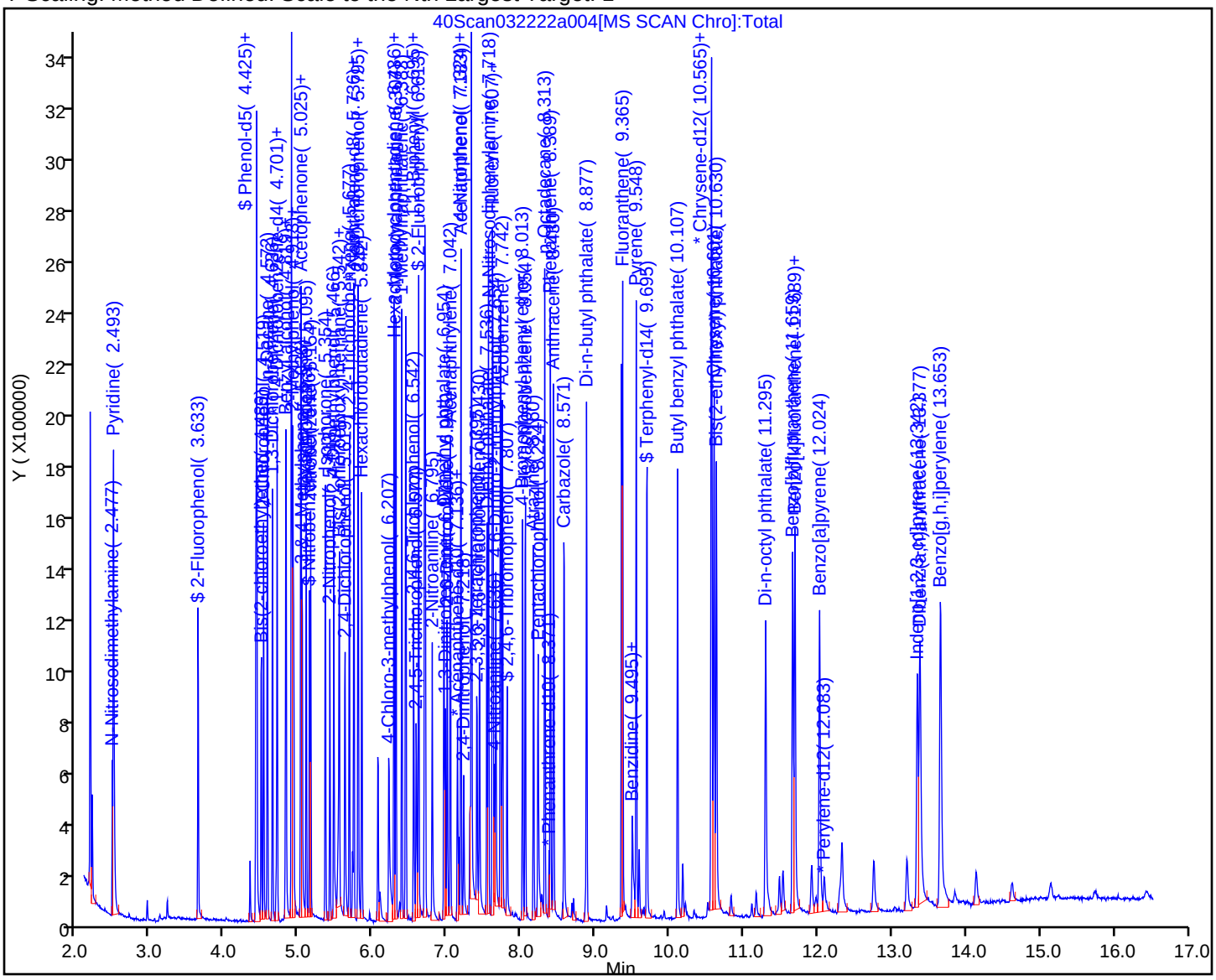
Client ID:

Operator ID: jcm ALS Bottle#: 3 Worklist Smp#: 3

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Seattle

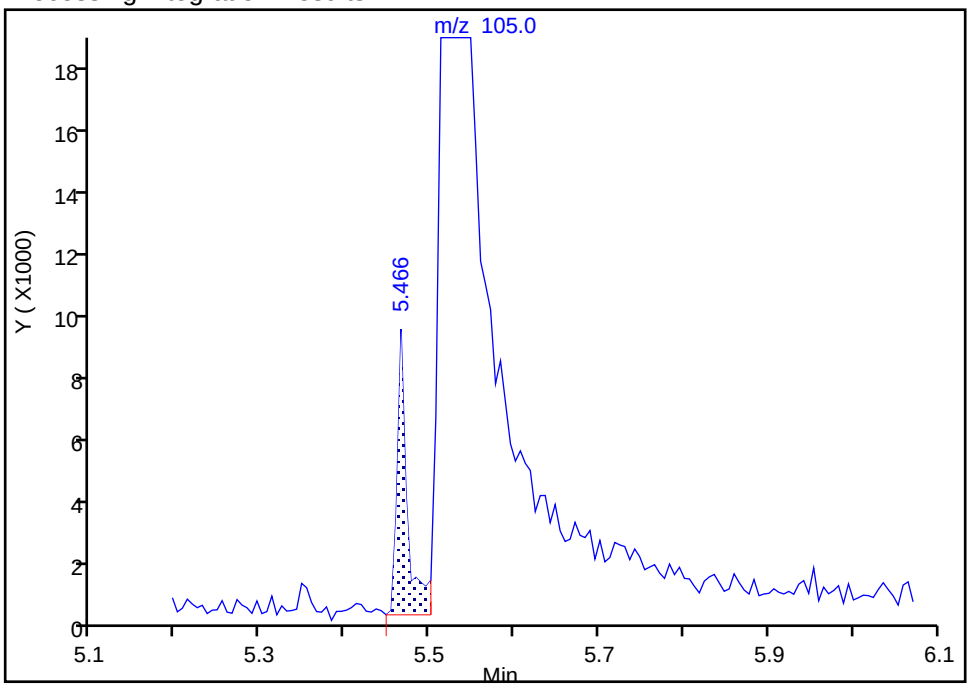
Data File: \\chromfs\Seattle\ChromData\TAC040\20220322-81863.b\40Scan032222a004.D
Injection Date: 22-Mar-2022 12:55:30 Instrument ID: TAC040
Lims ID: CCVIS
Client ID:
Operator ID: jcm ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

36 Benzoic acid, CAS: 65-85-0

Signal: 1

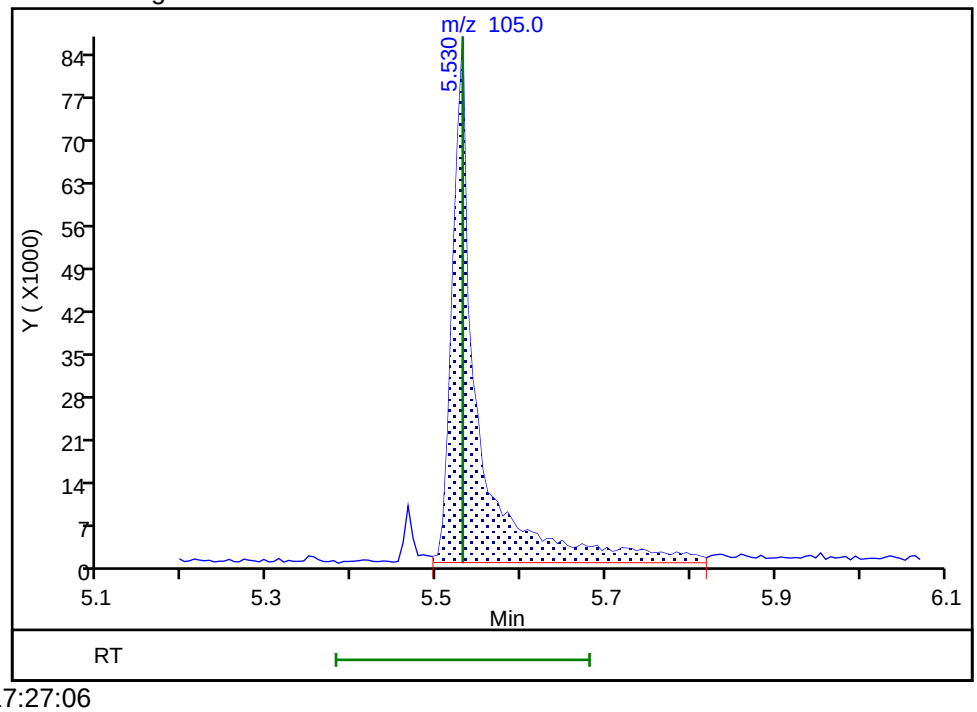
Processing Integration Results

RT: 5.47
Area: 7777
Amount: 280.4313
Amount Units: ug/L



Manual Integration Results

RT: 5.53
Area: 178683
Amount: 1612.0741
Amount Units: ug/L



Reviewer: boylea, 22-Mar-2022 17:27:06
Audit Action: Manually Integrated Audit Reason: Peak Tail

Manual Integration/User Assign Peak Report

Eurofins Seattle

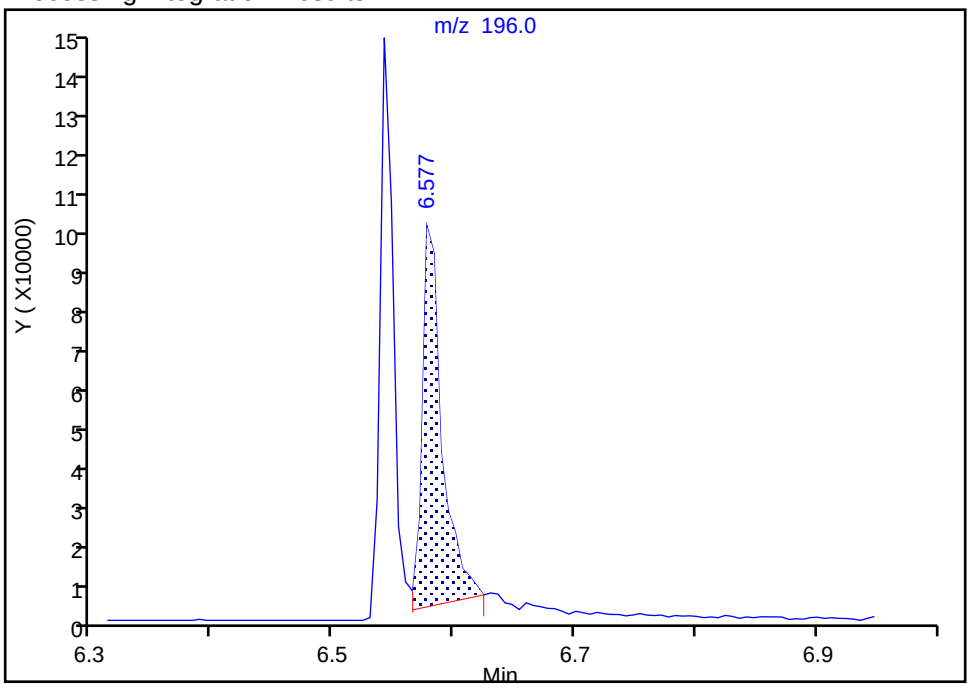
Data File: \\chromfs\Seattle\ChromData\TAC040\20220322-81863.b\40Scan032222a004.D
Injection Date: 22-Mar-2022 12:55:30 Instrument ID: TAC040
Lims ID: CCVIS
Client ID:
Operator ID: jcm ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

51 2,4,5-Trichlorophenol, CAS: 95-95-4

Signal: 1

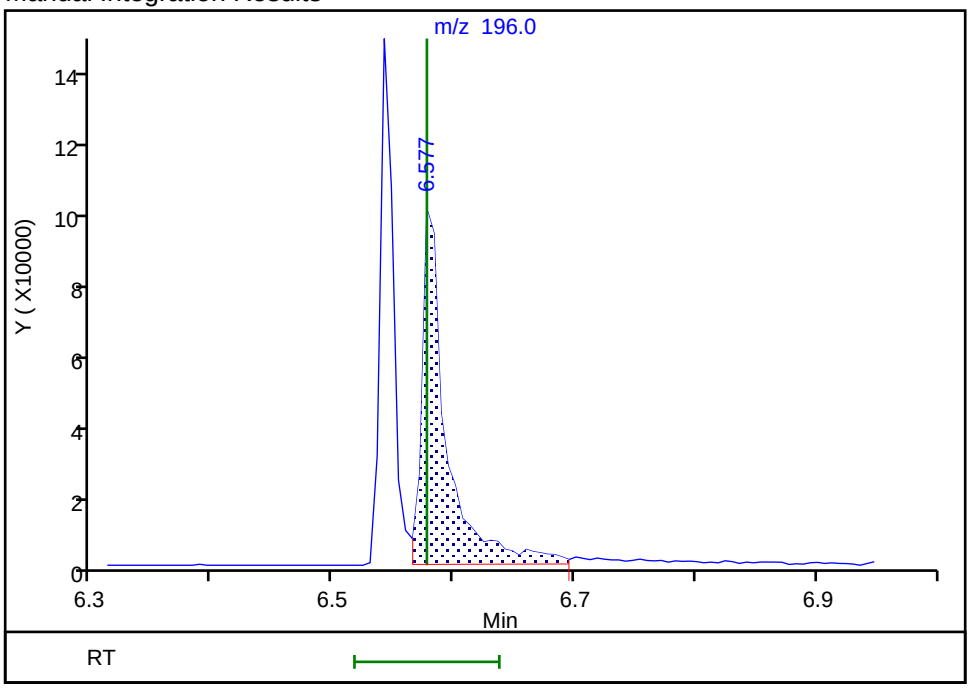
Processing Integration Results

RT: 6.58
Area: 104986
Amount: 760.5558
Amount Units: ug/L



Manual Integration Results

RT: 6.58
Area: 135518
Amount: 976.2984
Amount Units: ug/L



Reviewer: boylea, 22-Mar-2022 17:27:29
Audit Action: Manually Integrated Audit Reason: Peak Tail

Manual Integration/User Assign Peak Report

Eurofins Seattle

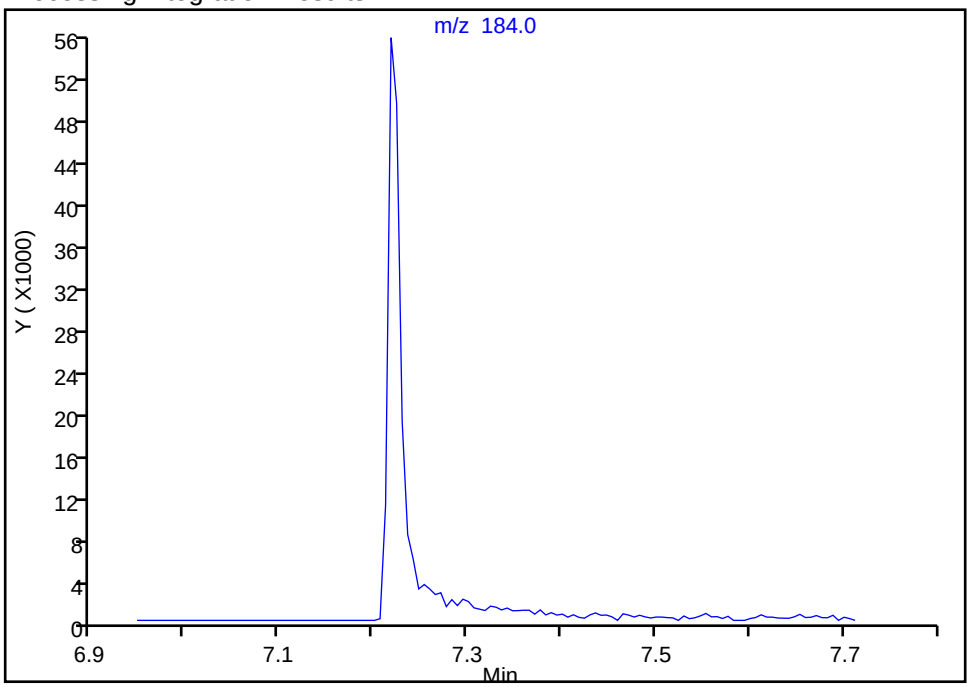
Data File: \\chromfs\Seattle\ChromData\TAC040\20220322-81863.b\40Scan032222a004.D
Injection Date: 22-Mar-2022 12:55:30 Instrument ID: TAC040
Lims ID: CCVIS
Client ID:
Operator ID: jcm ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

69 2,4-Dinitrophenol, CAS: 51-28-5

Signal: 1

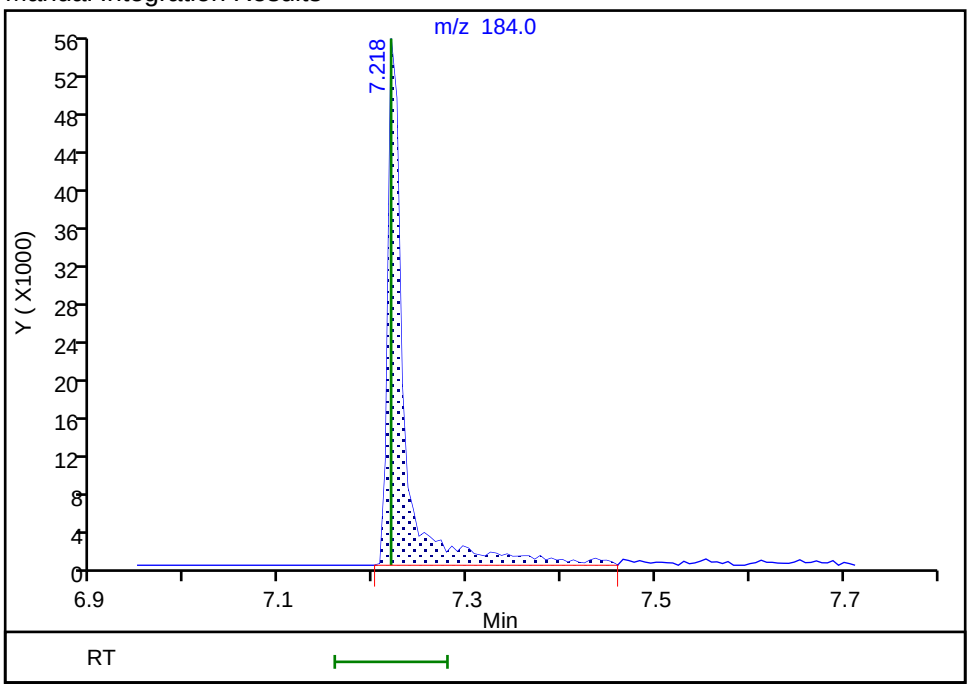
Not Detected
Expected RT: 7.22

Processing Integration Results



Manual Integration Results

RT: 7.22
Area: 67156
Amount: 1877.1665
Amount Units: ug/L



Reviewer: limmere, 22-Mar-2022 13:30:01
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Seattle

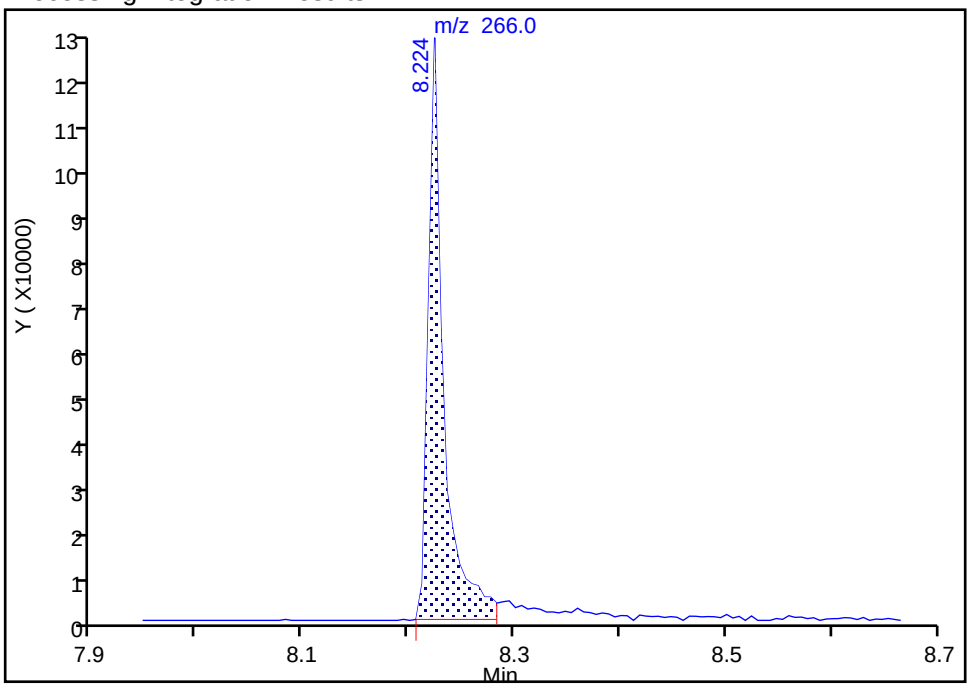
Data File: \\chromfs\Seattle\ChromData\TAC040\20220322-81863.b\40Scan032222a004.D
Injection Date: 22-Mar-2022 12:55:30 Instrument ID: TAC040
Lims ID: CCVIS
Client ID:
Operator ID: jcm ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

77 Pentachlorophenol, CAS: 87-86-5

Signal: 1

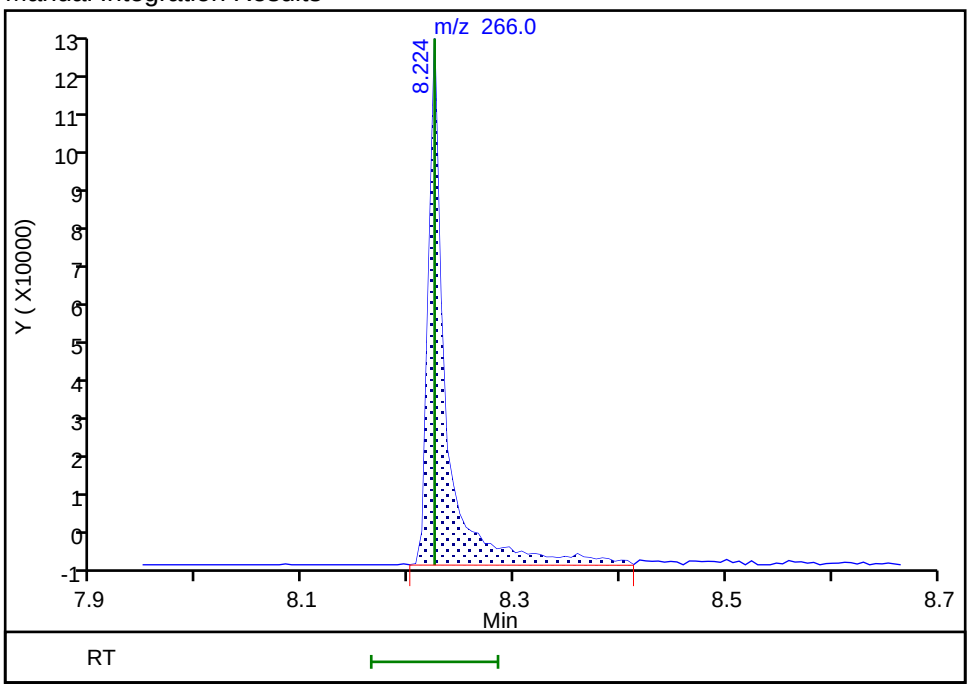
Processing Integration Results

RT: 8.22
Area: 128640
Amount: 1545.9436
Amount Units: ug/L



Manual Integration Results

RT: 8.22
Area: 146521
Amount: 1731.2020
Amount Units: ug/L



Reviewer: boylea, 22-Mar-2022 17:28:18
Audit Action: Manually Integrated Audit Reason: Peak Tail

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Lab Sample ID: CCVC 580-384624/30 Calibration Date: 03/22/2022 23:41

Instrument ID: TAC040 Calib Start Date: 03/21/2022 05:25

GC Column: ZB-SV ID: 0.25(mm) Calib End Date: 03/21/2022 08:53

Lab File ID: 40Scan032222a031.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Nitrosodimethylamine	Ave	0.8987	0.9327	0.0100	1040	1000	3.8	50.0
Pyridine	Lin1		1.478	0.0100	2000	2000	0.2	50.0
Aniline	Qua1		1.763	0.0100	866	1000	-13.4	50.0
Phenol	Ave	1.816	1.643	0.8000	905	1000	-9.5	50.0
Bis(2-chloroethyl)ether	Ave	1.308	1.288	0.7000	985	1000	-1.5	50.0
2-Chlorophenol	Ave	1.359	1.313	0.8000	966	1000	-3.4	50.0
n-Decane	Lin2		1.691		1000	1000	0.3	50.0
1,3-Dichlorobenzene	Ave	1.524	1.496	0.0100	982	1000	-1.8	50.0
1,4-Dichlorobenzene	Ave	1.568	1.485	0.0100	947	1000	-5.3	50.0
Benzyl alcohol	Lin1		0.8319	0.0100	811	1000	-18.9	50.0
1,2-Dichlorobenzene	Ave	1.480	1.463	0.0100	988	1000	-1.2	50.0
2,2'-oxybis[1-chloropropane]	Ave	2.464	2.523	0.0100	1020	1000	2.4	50.0
2-Methylphenol	Ave	1.261	1.312	0.7000	1040	1000	4.0	50.0
Acetophenone	Ave	1.846	1.791	0.0100	970	1000	-3.0	50.0
N-Nitrosodi-n-propylamine	Ave	1.181	1.122	0.5000	950	1000	-5.0	50.0
3 & 4 Methylphenol	Ave	1.249	1.224	0.6000	980	1000	-2.0	50.0
Hexachloroethane	Ave	0.6934	0.7011	0.3000	1010	1000	1.1	50.0
Nitrobenzene	Ave	1.614	1.572	0.2000	974	1000	-2.6	50.0
Isophorone	Lin1		2.737	0.4000	1020	1000	2.5	50.0
2-Nitrophenol	Ave	0.6182	0.6420	0.1000	1040	1000	3.8	50.0
2,4-Dimethylphenol	Ave	0.3423	0.3463	0.2000	1010	1000	1.2	50.0
Bis(2-chloroethoxy)methane	Ave	1.615	1.609	0.3000	996	1000	-0.4	50.0
Benzoic acid	Qua1		0.7674	0.0100	2360	2000	17.9	50.0
2,4-Dichlorophenol	Ave	0.2446	0.2588	0.2000	1060	1000	5.8	50.0
1,2,4-Trichlorobenzene	Ave	0.3147	0.3012	0.0100	957	1000	-4.3	50.0
Naphthalene	Ave	1.016	1.001	0.7000	985	1000	-1.5	50.0
4-Chloroaniline	Ave	0.3247	0.2544	0.0100	783	1000	-21.7	50.0
2,6-Dichlorophenol	Ave	0.4879	0.5142	0.0100	1050	1000	5.4	50.0
Hexachlorobutadiene	Ave	0.1835	0.1797	0.0100	979	1000	-2.1	50.0
4-Chloro-3-methylphenol	Qua2		0.5502	0.2000	1050	1000	4.5	50.0
2-Methylnaphthalene	Ave	0.6294	0.6263	0.4000	995	1000	-0.5	50.0
1-Methylnaphthalene	Ave	0.6112	0.5915	0.0100	968	1000	-3.2	50.0
Hexachlorocyclopentadiene	Ave	0.3509	0.3022	0.0500	861	1000	-13.9	50.0
1,2,4,5-Tetrachlorobenzene	Ave	0.6185	0.6050		978	1000	-2.2	50.0
2,4,6-Trichlorophenol	Lin2		0.3406	0.2000	986	1000	-1.4	50.0
2,4,5-Trichlorophenol	Lin2		0.4004	0.2000	1020	1000	2.3	50.0
1,1'-Biphenyl	Ave	1.432	1.440	0.0100	1010	1000	0.5	50.0
2-Chloronaphthalene	Ave	1.167	1.166	0.8000	999	1000	-0.0	50.0
2-Nitroaniline	Qua2		0.3816	0.0100	1030	1000	2.8	50.0
Dimethyl phthalate	Ave	1.226	1.233	0.0100	1010	1000	0.6	50.0
2,6-Dinitrotoluene	Lin2		0.2795	0.2000	1010	1000	0.7	50.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Seattle | Job No.: 580-111294-1

SDG No.:

Lab Sample ID: CCVC 580-384624/30 | Calibration Date: 03/22/2022 23:41

Instrument ID: TAC040 | Calib Start Date: 03/21/2022 05:25

GC Column: ZB-SV ID: 0.25(mm) | Calib End Date: 03/21/2022 08:53

Lab File ID: 40Scan032222a031.D | Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Acenaphthylene	Ave	1.841	1.822	0.9000	990	1000	-1.0	50.0
3-Nitroaniline	Lin2		0.2556	0.0100	1010	1000	1.4	50.0
Acenaphthene	Ave	1.231	1.215	0.9000	987	1000	-1.3	50.0
2,4-Dinitrophenol	Lin1		0.0551	0.0100	1390	2000	-30.4	50.0
2,4-Dinitrotoluene	Lin2		0.3436	0.2000	975	1000	-2.5	50.0
Dibenzofuran	Ave	1.574	1.606	0.8000	1020	1000	2.0	50.0
4-Nitrophenol	Lin1		0.1435	0.0100	1840	2000	-8.2	50.0
2,3,5,6-Tetrachlorophenol	Lin2		0.2619	0.0100	935	1000	-6.5	50.0
2,3,4,6-Tetrachlorophenol	Lin2		0.3161	0.0100	1020	1000	2.1	50.0
Diethyl phthalate	Ave	1.313	1.349	0.0100	1030	1000	2.7	50.0
Fluorene	Ave	1.262	1.263	0.9000	1000	1000	0.0	50.0
4-Chlorophenyl phenyl ether	Ave	0.5619	0.5810	0.4000	1030	1000	3.4	50.0
4-Nitroaniline	Ave	0.2383	0.2489	0.0100	1040	1000	4.5	50.0
4,6-Dinitro-2-methylphenol	Lin2		0.0591	0.0100	1360	2000	-31.9	50.0
N-Nitrosodiphenylamine	Ave	0.5255	0.5389	0.0100	1030	1000	2.5	50.0
Azobenzene	Ave	1.004	1.097		1090	1000	9.2	50.0
4-Bromophenyl phenyl ether	Ave	0.2386	0.2309	0.1000	968	1000	-3.2	50.0
Hexachlorobenzene	Lin2		0.3354	0.1000	996	1000	-0.4	50.0
Atrazine	Lin2		0.3167	0.0100	1040	1000	4.3	50.0
Pentachlorophenol	Lin2		0.1418	0.0500	2030	2000	1.6	50.0
n-Octadecane	Ave	0.5506	0.5923		1080	1000	7.6	50.0
Phenanthrene	Ave	1.090	1.095	0.7000	1000	1000	0.5	50.0
Anthracene	Ave	1.107	1.126	0.7000	1020	1000	1.7	50.0
Carbazole	Qua1		1.034	0.0100	1300	1000	30.4	50.0
Di-n-butyl phthalate	Ave	1.360	1.438	0.0100	1060	1000	5.8	50.0
Fluoranthene	Ave	1.141	1.176	0.6000	1030	1000	3.1	50.0
Benzidine	Qua2		0.0994	0.0100	1410	2000	-29.3	50.0
Pyrene	Ave	1.206	1.229	0.6000	1020	1000	1.9	50.0
Butyl benzyl phthalate	Ave	0.6015	0.6559	0.0100	1090	1000	9.0	50.0
3,3'-Dichlorobenzidine	Ave	0.3481	0.4400	0.0100	2530	2000	26.4	50.0
Benzo[a]anthracene	Ave	1.163	1.199	0.8000	1030	1000	3.1	50.0
Chrysene	Ave	1.223	1.212	0.7000	991	1000	-0.9	50.0
Bis(2-ethylhexyl) phthalate	Ave	0.8342	0.9662	0.0100	1160	1000	15.8	50.0
Di-n-octyl phthalate	Lin2		1.499	0.0100	1170	1000	17.0	50.0
Benzo[b]fluoranthene	Ave	1.028	1.235	0.7000	1200	1000	20.1	50.0
Benzofluoranthene	Ave	1.151	1.227		2130	2000	6.6	50.0
Benzo[k]fluoranthene	Ave	1.283	1.263	0.7000	984	1000	-1.6	50.0
Benzo[a]pyrene	Ave	0.9599	1.054	0.7000	1100	1000	9.8	50.0
Indeno[1,2,3-cd]pyrene	Qua2		0.7581	0.5000	858	1000	-14.2	50.0
Dibenz(a,h)anthracene	Lin2		0.8555	0.4000	776	1000	-22.4	50.0
Benzo[g,h,i]perylene	Ave	1.130	0.8484	0.5000	751	1000	-24.9	50.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Lab Sample ID: CCVC 580-384624/30 Calibration Date: 03/22/2022 23:41

Instrument ID: TAC040 Calib Start Date: 03/21/2022 05:25

GC Column: ZB-SV ID: 0.25(mm) Calib End Date: 03/21/2022 08:53

Lab File ID: 40Scan032222a031.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-Fluorophenol (Surr)	Ave	1.327	1.277		963	1000	-3.7	50.0
Phenol-d5 (Surr)	Ave	1.602	1.654		1030	1000	3.2	50.0
Nitrobenzene-d5 (Surr)	Ave	0.4057	0.4179		1030	1000	3.0	50.0
2-Fluorobiphenyl	Ave	1.329	1.299		977	1000	-2.3	50.0
2,4,6-Tribromophenol (Surr)	Qua2		0.1844	0.0100	1050	1000	4.9	50.0
Terphenyl-d14 (Surr)	Ave	0.7918	0.8036		1010	1000	1.5	50.0

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC040\20220322-81863.b\40Scan032222a031.D
Lims ID: CCVC
Client ID:
Sample Type: CCVC
Inject. Date: 22-Mar-2022 23:41:30 ALS Bottle#: 3 Worklist Smp#: 30
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ccvc
Operator ID: jcm Instrument ID: TAC040
Sublist: chrom-8270TAC040*sub20

Method: \\chromfs\Seattle\ChromData\TAC040\20220322-81863.b\8270TAC040.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 23-Mar-2022 16:12:32 Calib Date: 21-Mar-2022 08:53:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC040\20220321-81841.b\40Scan032022x015.D

Column 1 : Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: limmere Date: 23-Mar-2022 16:12:32

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.689	4.689	0.000	94	19660	100.0	100.0	
* 2 Naphthalene-d8	136	5.719	5.719	0.000	98	74527	100.0	100.0	
* 3 Acenaphthene-d10	164	7.154	7.154	0.000	93	37071	100.0	100.0	
* 4 Phenanthrene-d10	188	8.371	8.371	0.000	96	59800	100.0	100.0	
* 5 Chrysene-d12	240	10.571	10.577	-0.006	54	57131	100.0	100.0	
* 6 Perylene-d12	264	12.083	12.089	-0.006	93	62657	100.0	100.0	
$ 7 2-Fluorophenol	112	3.659	3.638	0.026	94	251116	1000.0	962.8	
$ 8 Phenol-d5	99	4.448	4.454	0.035	0	325127	1000.0	1032.5	
$ 9 Nitrobenzene-d5	82	5.142	5.136	0.006	91	311473	1000.0	1030.0	
$ 10 2-Fluorobiphenyl	172	6.613	6.613	0.000	98	481699	1000.0	977.5	
$ 11 2,4,6-Tribromophenol	330	7.807	7.807	0.000	96	110293	1000.0	1049.4	
$ 12 Terphenyl-d14	244	9.689	9.695	-0.006	98	480582	1000.0	1014.9	
15 N-Nitrosodimethylamine	74	2.483	2.477	0.006	88	183378	1000.0	1037.8	
16 Pyridine	79	2.493	2.493	0.000	88	581303	2000.0	2004.6	
17 Aniline	93	4.430	4.425	0.005	95	346703	1000.0	866.2	
18 Phenol	94	4.460	4.460	0.035	94	322999	1000.0	904.7	a
19 Bis(2-chloroethyl)ether	93	4.489	4.489	0.000	86	253181	1000.0	984.8	
20 2-Chlorophenol	128	4.536	4.519	0.017	98	258171	1000.0	966.3	
21 n-Decane	57	4.572	4.572	0.000	93	332465	1000.0	1002.7	
22 1,3-Dichlorobenzene	146	4.642	4.636	0.006	97	294175	1000.0	982.1	
23 1,4-Dichlorobenzene	146	4.701	4.701	0.000	89	291982	1000.0	947.0	
27 Benzyl alcohol	79	4.819	4.819	0.006	43	163552	1000.0	811.3	M
24 1,2-Dichlorobenzene	146	4.825	4.819	0.006	95	287601	1000.0	988.4	
28 2-Methylphenol	108	4.936	4.913	0.023	93	257922	1000.0	1040.2	
25 2,2'-oxybis[1-chloropropane]	45	4.925	4.925	0.001	80	496039	1000.0	1024.1	
29 Acetophenone	105	5.019	5.019	0.000	86	352151	1000.0	970.2	
30 N-Nitrosodi-n-propylamine	70	5.025	5.025	0.001	92	220590	1000.0	950.4	
32 3 & 4 Methylphenol	108	5.066	5.072	0.024	0	240707	1000.0	980.0	
31 Hexachloroethane	117	5.095	5.095	0.000	97	137845	1000.0	1011.2	
33 Nitrobenzene	77	5.154	5.154	0.000	93	309084	1000.0	973.8	
34 Isophorone	82	5.354	5.354	0.000	95	538189	1000.0	1024.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
35 2-Nitrophenol	139	5.413	5.413	0.000	89	126211	1000.0	1038.4	
37 2,4-Dimethylphenol	107	5.477	5.466	0.011	97	258101	1000.0	1011.8	
36 Benzoic acid	105	5.554	5.530	0.024	90	301761	2000.0	2358.7	
38 Bis(2-chloroethoxy)methane	93	5.542	5.542	0.000	93	316313	1000.0	996.2	
39 2,4-Dichlorophenol	162	5.636	5.619	0.017	97	192898	1000.0	1058.3	
40 1,2,4-Trichlorobenzene	180	5.677	5.677	0.000	91	224504	1000.0	957.1	
41 Naphthalene	128	5.736	5.736	0.000	98	745752	1000.0	984.7	
43 4-Chloroaniline	127	5.795	5.795	0.000	75	189563	1000.0	783.4	
42 2,6-Dichlorophenol	162	5.801	5.795	0.006	87	190625	1000.0	1054.0	
44 Hexachlorobutadiene	225	5.842	5.842	0.000	95	133889	1000.0	978.8	
45 4-Chloro-3-methylphenol	107	6.230	6.207	0.023	93	203971	1000.0	1045.1	
46 2-Methylnaphthalene	142	6.307	6.307	0.000	83	466728	1000.0	995.0	
47 1-Methylnaphthalene	142	6.383	6.383	0.000	89	440821	1000.0	967.8	
48 Hexachlorocyclopentadiene	237	6.430	6.436	-0.006	91	112029	1000.0	861.1	
49 1,2,4,5-Tetrachlorobenzene	216	6.442	6.442	0.000	95	224290	1000.0	978.2	
50 2,4,6-Trichlorophenol	196	6.554	6.542	0.012	92	126278	1000.0	986.5	
51 2,4,5-Trichlorophenol	196	6.613	6.613	0.036	51	148447	1000.0	1022.9	a
52 1,1'-Biphenyl	154	6.689	6.689	0.000	97	533827	1000.0	1005.5	
53 2-Chloronaphthalene	162	6.701	6.701	0.000	97	432421	1000.0	999.2	
54 2-Nitroaniline	138	6.801	6.795	0.006	80	141472	1000.0	1027.8	
55 Dimethyl phthalate	163	6.954	6.954	0.000	96	457142	1000.0	1005.9	
56 1,3-Dinitrobenzene	168	6.972	6.972	0.001	70	57248	1000.0	922.6	
57 2,6-Dinitrotoluene	165	7.001	7.001	0.000	74	103601	1000.0	1007.0	
58 Acenaphthylene	152	7.036	7.042	-0.006	93	675463	1000.0	990.0	
59 3-Nitroaniline	138	7.142	7.136	0.006	89	94771	1000.0	1013.6	
60 Acenaphthene	153	7.183	7.183	0.000	98	450504	1000.0	987.3	
69 2,4-Dinitrophenol	184	7.224	7.224	0.006	71	40865	2000.0	1392.7	a
63 4-Nitrophenol	109	7.360	7.360	0.053	35	106418	2000.0	1836.2	a
61 Dibenzofuran	168	7.324	7.324	0.000	88	595292	1000.0	1020.1	
62 2,4-Dinitrotoluene	165	7.324	7.324	0.000	64	127374	1000.0	975.4	
64 2,3,5,6-Tetrachlorophenol	232	7.407	7.401	0.006	80	97107	1000.0	934.9	
65 2,3,4,6-Tetrachlorophenol	232	7.442	7.436	0.006	73	117198	1000.0	1020.8	
66 Diethyl phthalate	149	7.530	7.536	-0.006	95	500268	1000.0	1027.4	
67 Fluorene	166	7.607	7.607	0.000	80	468221	1000.0	1000.9	
68 4-Chlorophenyl phenyl ether	204	7.613	7.619	-0.005	93	215378	1000.0	1033.9	
70 4-Nitroaniline	138	7.642	7.636	0.006	53	92285	1000.0	1044.5	
73 4,6-Dinitro-2-methylphenol	198	7.654	7.654	0.000	63	70674	2000.0	1362.9	
71 N-Nitrosodiphenylamine	169	7.713	7.713	0.000	67	322265	1000.0	1025.5	
72 Azobenzene	77	7.742	7.742	0.000	88	655782	1000.0	1091.8	
74 4-Bromophenyl phenyl ether	248	8.013	8.019	-0.005	71	138078	1000.0	967.8	
75 Hexachlorobenzene	284	8.048	8.054	-0.006	89	200591	1000.0	995.7	
76 Atrazine	200	8.166	8.166	0.001	82	117421	1000.0	1042.5	
77 Pentachlorophenol	266	8.230	8.224	0.006	92	169545	2000.0	2031.6	
78 n-Octadecane	43	8.313	8.313	0.000	89	354181	1000.0	1075.6	
79 Phenanthrene	178	8.389	8.389	0.000	98	654911	1000.0	1004.7	
80 Anthracene	178	8.430	8.430	0.000	98	673217	1000.0	1017.0	
81 Carbazole	167	8.577	8.577	0.000	82	618083	1000.0	1303.8	
83 Di-n-butyl phthalate	149	8.877	8.877	0.000	99	860168	1000.0	1057.6	
84 Fluoranthene	202	9.365	9.365	0.000	98	703529	1000.0	1030.8	
85 Benzidine	184	9.495	9.495	0.000	98	118835	2000.0	1413.9	
86 Pyrene	202	9.548	9.548	0.000	95	734972	1000.0	1019.0	
87 Butyl benzyl phthalate	149	10.107	10.101	0.000	98	374724	1000.0	1090.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
91 3,3'-Dichlorobenzidine	252	10.560	10.554	0.001	70	502756	2000.0	2528.2	
89 Benzo[a]anthracene	228	10.565	10.559	0.000	99	685076	1000.0	1030.8	
90 Chrysene	228	10.601	10.601	0.000	93	692680	1000.0	991.1	
92 Bis(2-ethylhexyl) phthalate	149	10.630	10.624	0.000	82	551978	1000.0	1158.2	
93 Di-n-octyl phthalate	149	11.295	11.295	0.000	99	939492	1000.0	1170.5	
94 Benzo[b]fluoranthene	252	11.659	11.659	0.000	93	773658	1000.0	1201.2	
95 Benzofluoranthene	252	11.659	11.659	-0.030	0	1538204	2000.0	2132.7	a
96 Benzo[k]fluoranthene	252	11.689	11.689	0.000	97	791216	1000.0	984.1	
97 Benzo[a]pyrene	252	12.024	12.024	0.000	77	660428	1000.0	1098.1	
98 Indeno[1,2,3-cd]pyrene	276	13.342	13.342	0.000	96	474994	1000.0	858.5	
99 Dibenz(a,h)anthracene	278	13.377	13.377	0.000	76	536045	1000.0	775.5	
100 Benzo[g,h,i]perylene	276	13.653	13.653	0.000	92	531579	1000.0	750.9	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

ccv_8270_1000_00057 Amount Added: 1.00 Units: mL

Report Date: 23-Mar-2022 16:12:32 Chrom Revision: 2.3 18-Mar-2022 09:07:22

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220322-81863.b\40Scan032222a031.D

Injection Date: 22-Mar-2022 23:41:30 Instrument ID: TAC040

Lims ID: CCVC

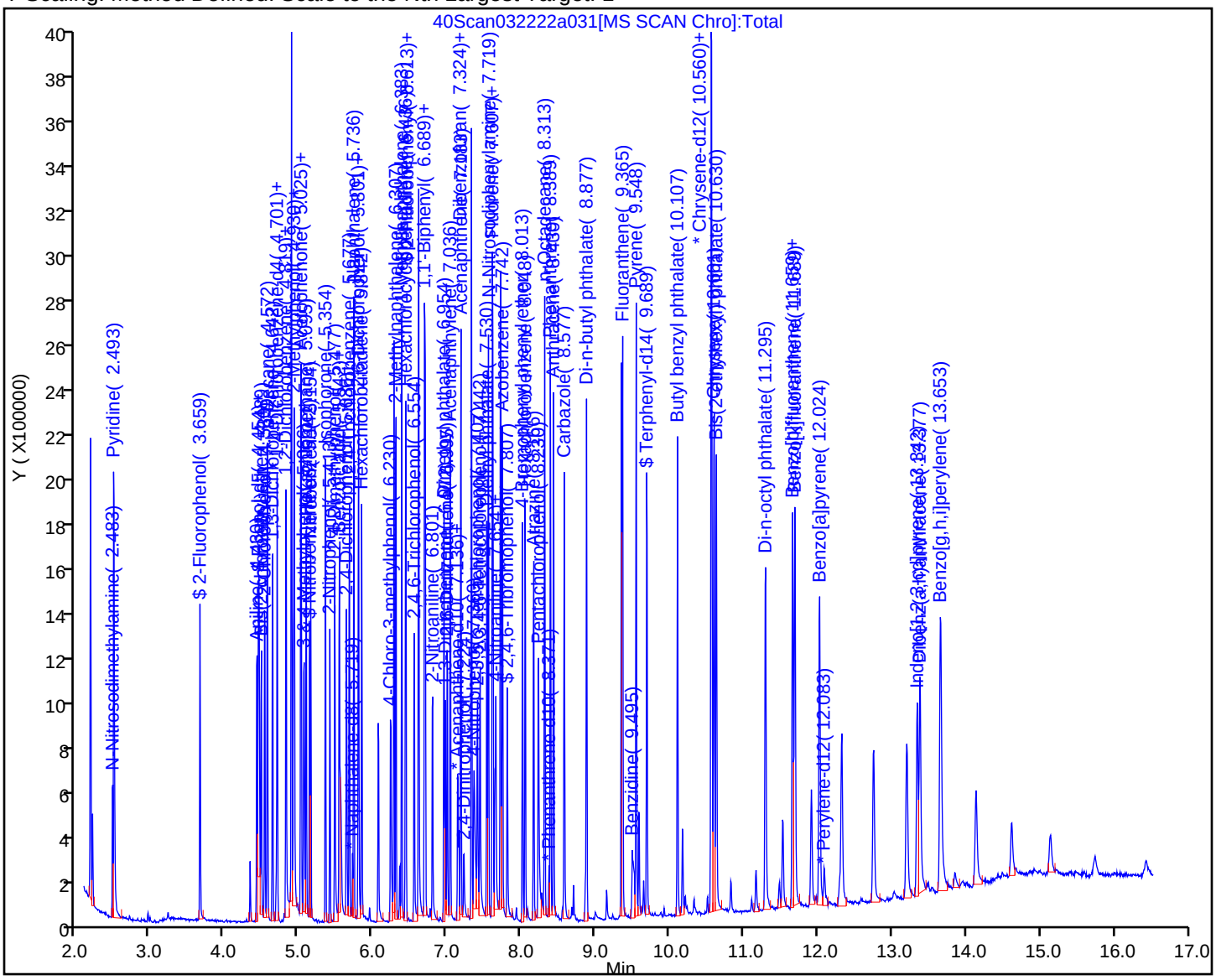
Client ID:

Operator ID: jcm ALS Bottle#: 3 Worklist Smp#: 30

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Seattle

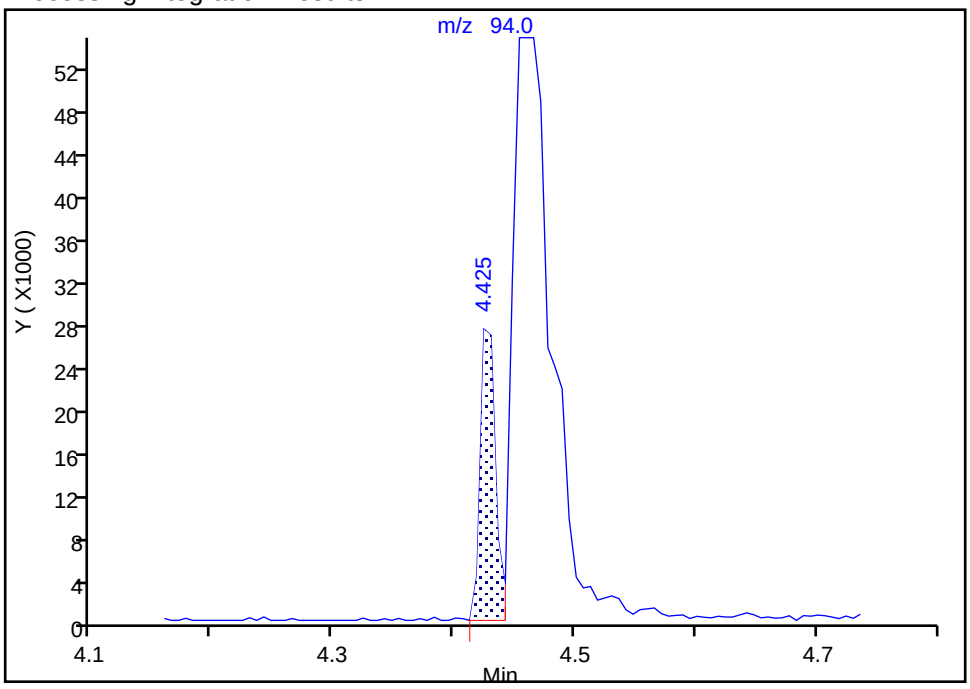
Data File: \\chromfs\Seattle\ChromData\TAC040\20220322-81863.b\40Scan032222a031.D
Injection Date: 22-Mar-2022 23:41:30 Instrument ID: TAC040
Lims ID: CCVC
Client ID:
Operator ID: jcm ALS Bottle#: 3 Worklist Smp#: 30
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

18 Phenol, CAS: 108-95-2

Signal: 1

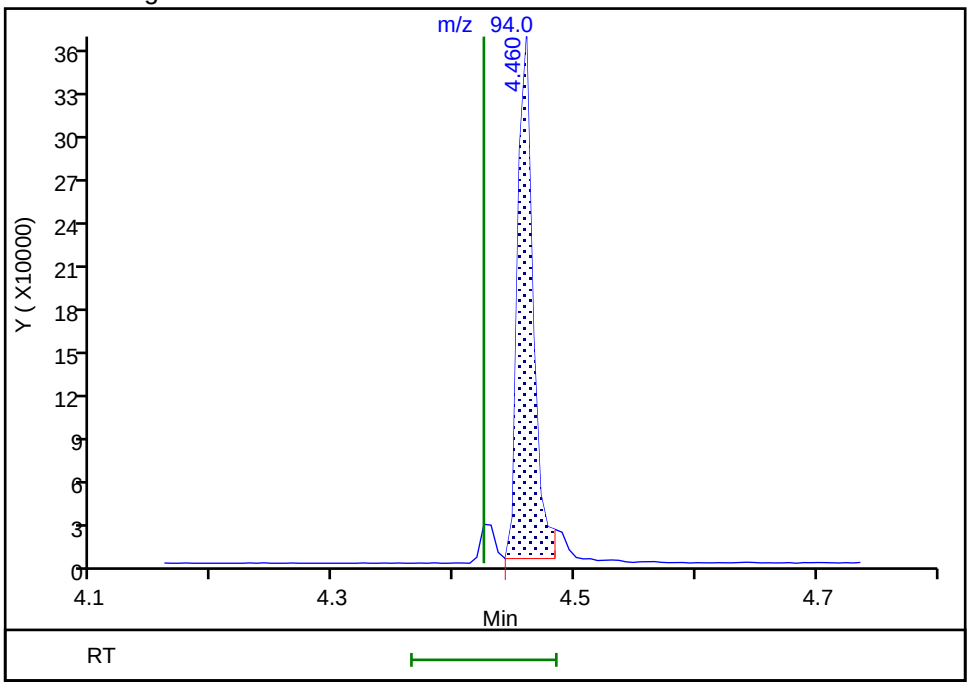
Processing Integration Results

RT: 4.42
Area: 24150
Amount: 67.640224
Amount Units: ug/L



Manual Integration Results

RT: 4.46
Area: 322999
Amount: 904.6677
Amount Units: ug/L



Reviewer: limmere, 23-Mar-2022 16:11:13
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Seattle

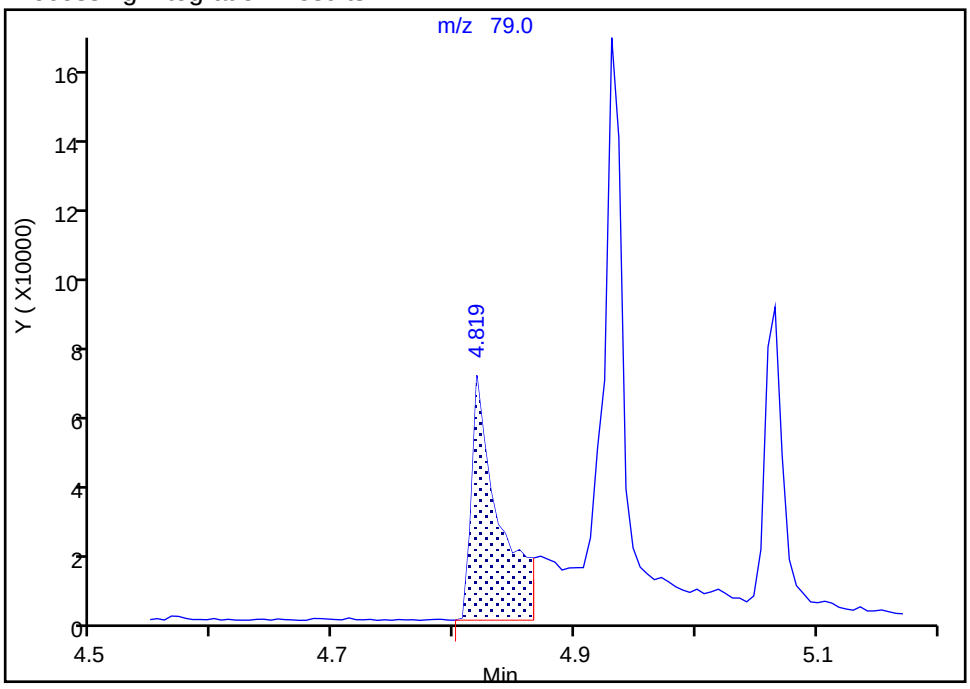
Data File: \\chromfs\Seattle\ChromData\TAC040\20220322-81863.b\40Scan032222a031.D
Injection Date: 22-Mar-2022 23:41:30 Instrument ID: TAC040
Lims ID: CCVC
Client ID:
Operator ID: jcm ALS Bottle#: 3 Worklist Smp#: 30
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

27 Benzyl alcohol, CAS: 100-51-6

Signal: 1

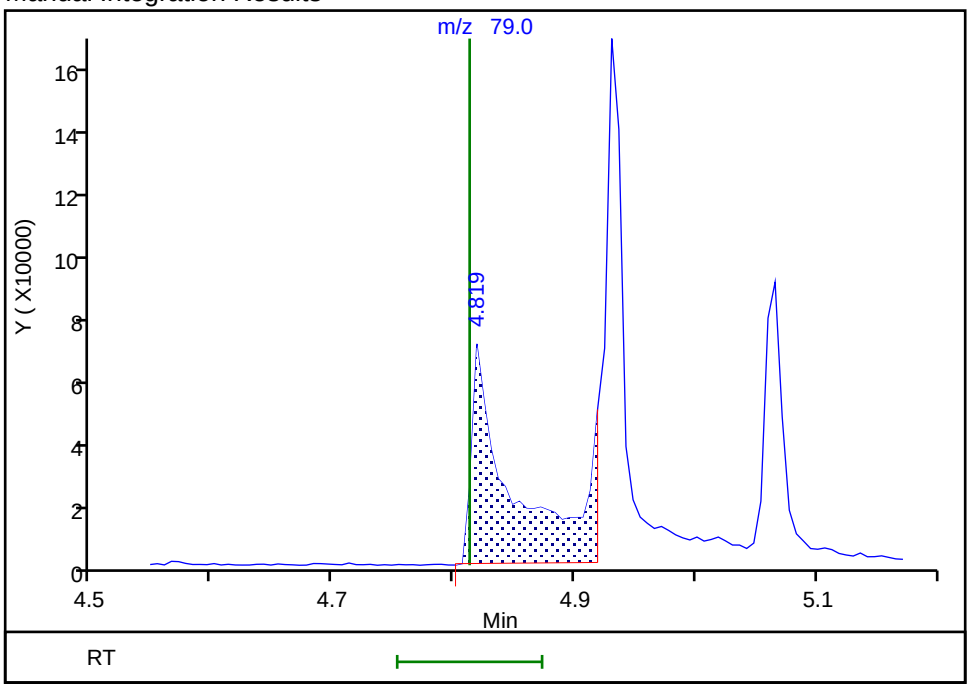
Processing Integration Results

RT: 4.82
Area: 105511
Amount: 539.5965
Amount Units: ug/L



Manual Integration Results

RT: 4.82
Area: 163552
Amount: 811.2713
Amount Units: ug/L



Reviewer: limmere, 23-Mar-2022 16:11:27
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Seattle

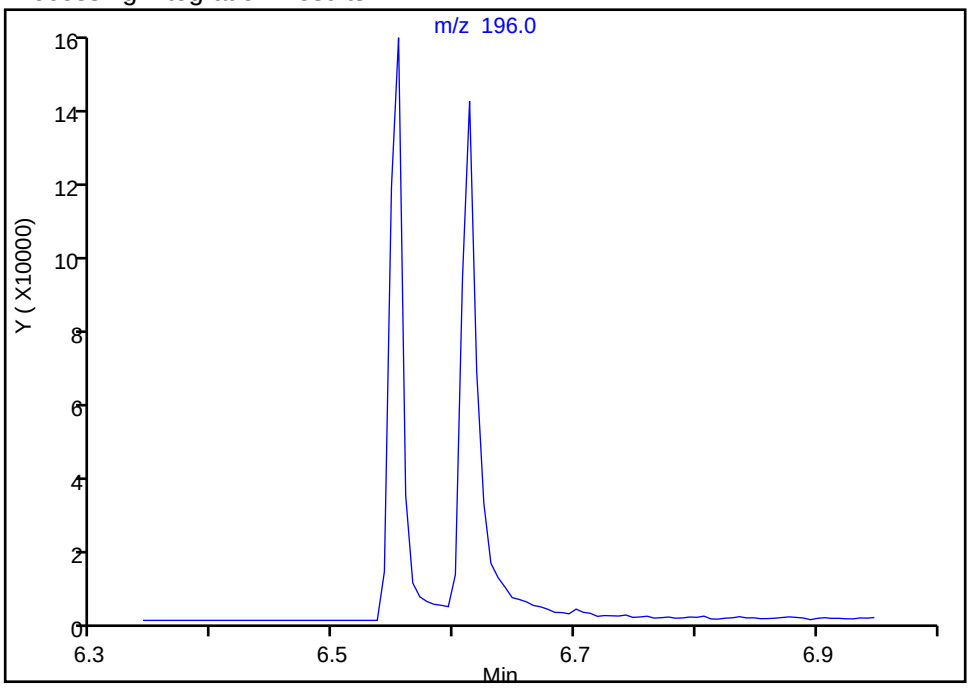
Data File: \\chromfs\Seattle\ChromData\TAC040\20220322-81863.b\40Scan032222a031.D
Injection Date: 22-Mar-2022 23:41:30 Instrument ID: TAC040
Lims ID: CCVC
Client ID:
Operator ID: jcm ALS Bottle#: 3 Worklist Smp#: 30
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

51 2,4,5-Trichlorophenol, CAS: 95-95-4

Signal: 1

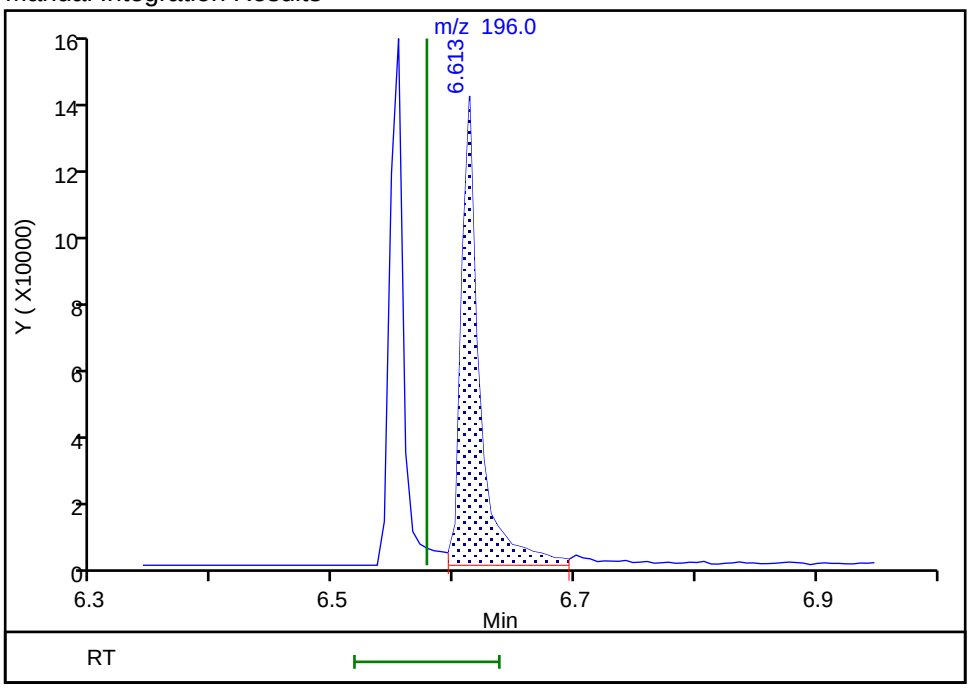
Not Detected
Expected RT: 6.58

Processing Integration Results



Manual Integration Results

RT: 6.61
Area: 148447
Amount: 1022.8643
Amount Units: ug/L



Reviewer: limmere, 23-Mar-2022 16:11:43
Audit Action: Assigned Compound ID Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Seattle

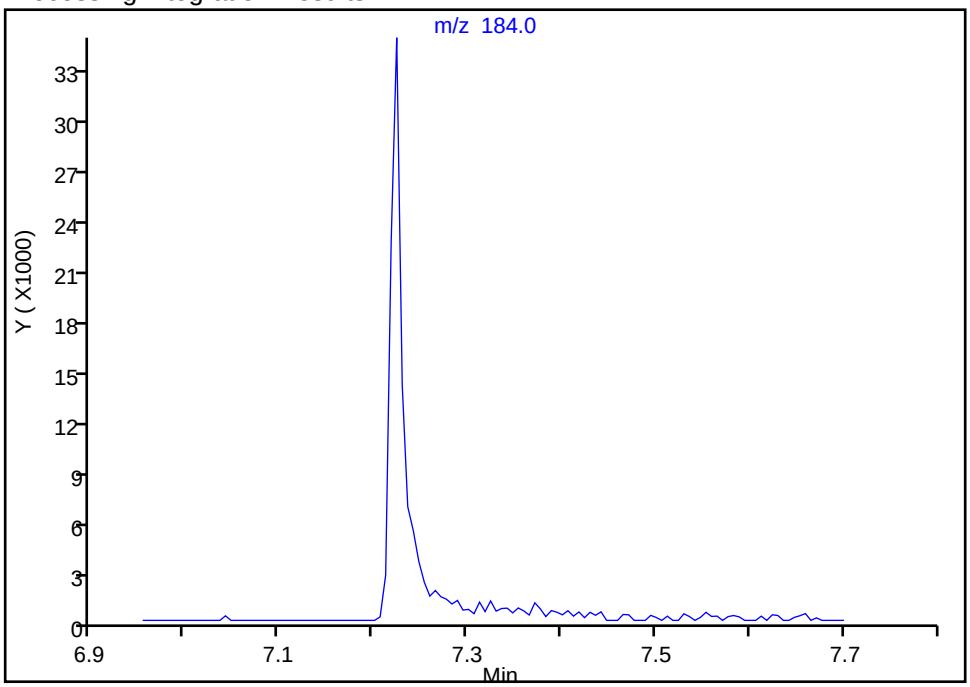
Data File: \\chromfs\Seattle\ChromData\TAC040\20220322-81863.b\40Scan032222a031.D
Injection Date: 22-Mar-2022 23:41:30 Instrument ID: TAC040
Lims ID: CCVC
Client ID:
Operator ID: jcm ALS Bottle#: 3 Worklist Smp#: 30
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

69 2,4-Dinitrophenol, CAS: 51-28-5

Signal: 1

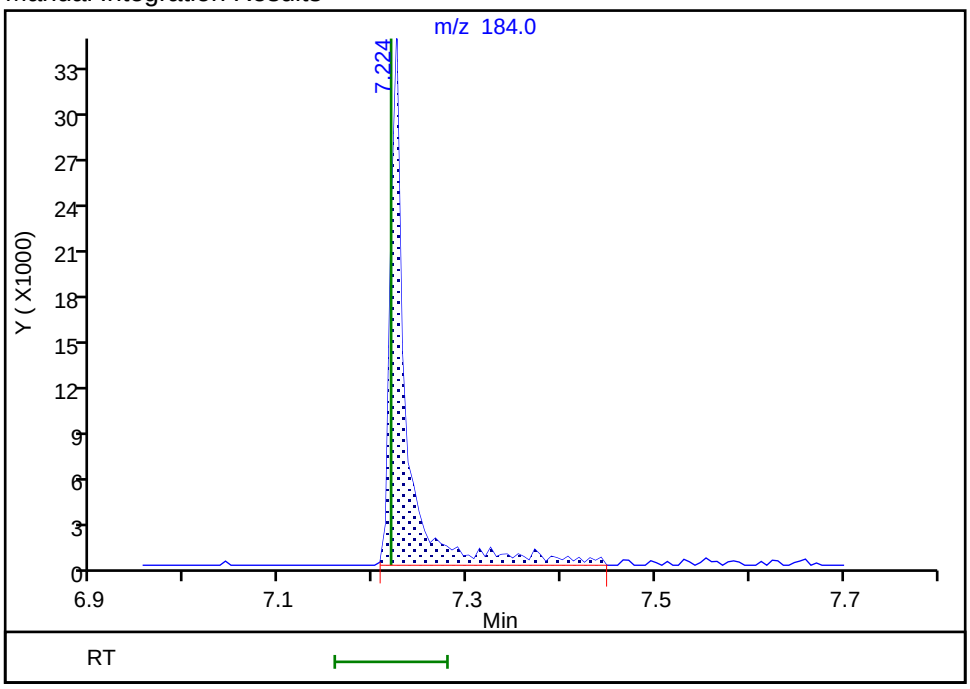
Not Detected
Expected RT: 7.22

Processing Integration Results



Manual Integration Results

RT: 7.22
Area: 40865
Amount: 1392.6532
Amount Units: ug/L



Reviewer: limmere, 23-Mar-2022 16:11:50
Audit Action: Assigned Compound ID Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Seattle

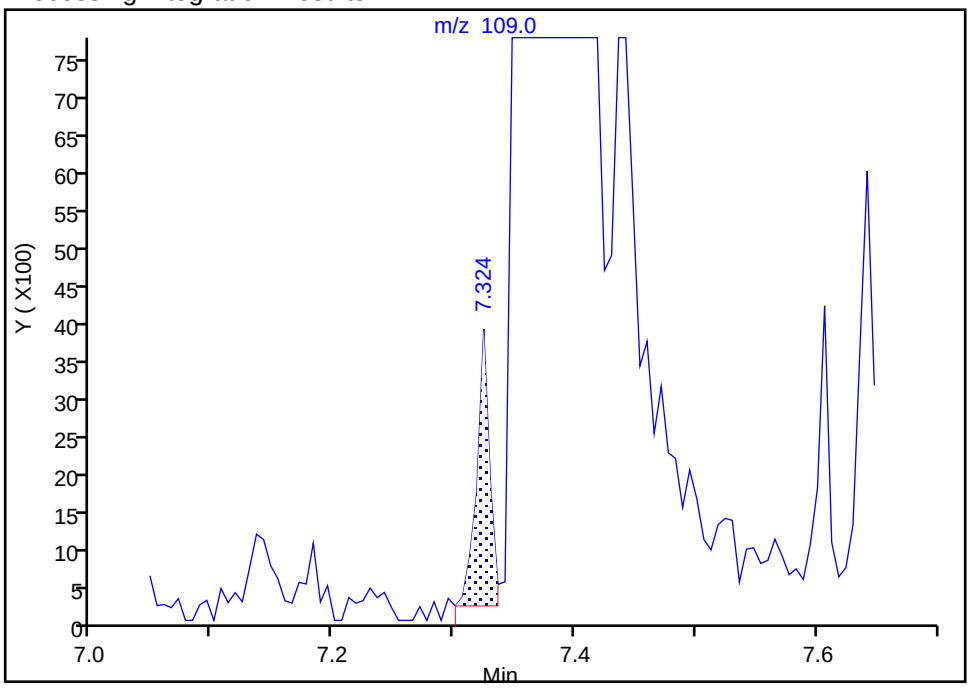
Data File: \\chromfs\Seattle\ChromData\TAC040\20220322-81863.b\40Scan032222a031.D
Injection Date: 22-Mar-2022 23:41:30 Instrument ID: TAC040
Lims ID: CCVC
Client ID:
Operator ID: jcm ALS Bottle#: 3 Worklist Smp#: 30
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

63 4-Nitrophenol, CAS: 100-02-7

Signal: 1

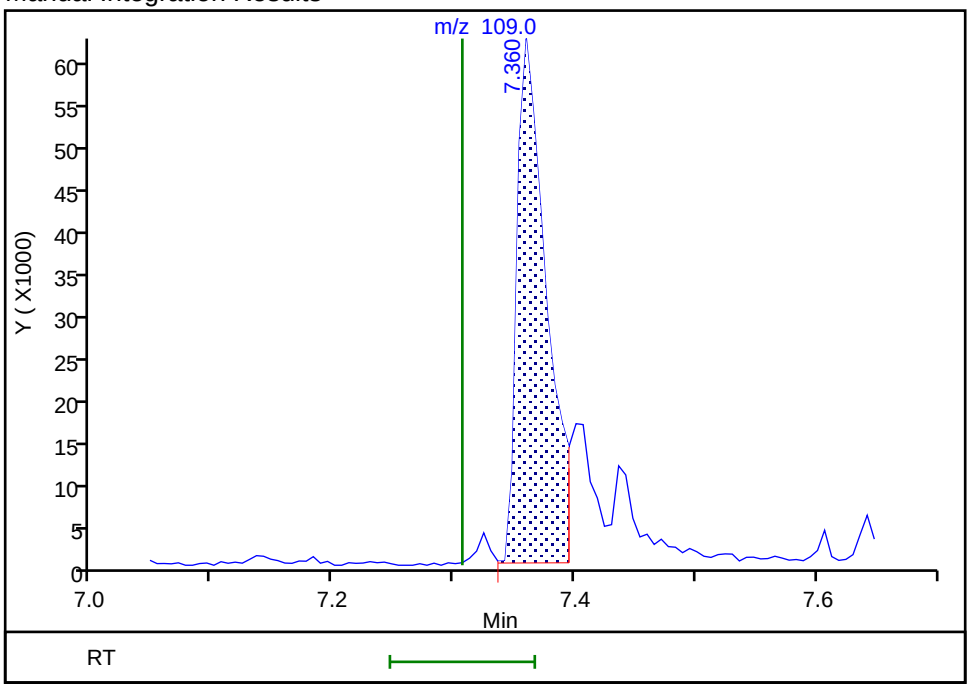
Processing Integration Results

RT: 7.32
Area: 2734
Amount: 412.3072
Amount Units: ug/L



Manual Integration Results

RT: 7.36
Area: 106418
Amount: 1836.2455
Amount Units: ug/L



Reviewer: limmere, 23-Mar-2022 16:11:53
Audit Action: Assigned Compound ID Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Seattle

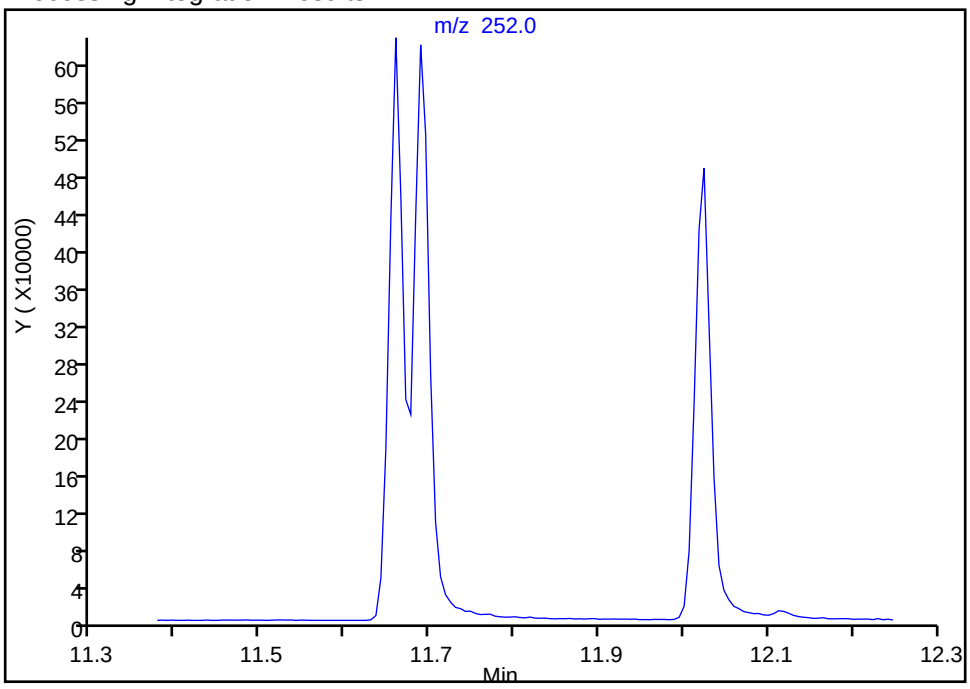
Data File: \\chromfs\Seattle\ChromData\TAC040\20220322-81863.b\40Scan032222a031.D
Injection Date: 22-Mar-2022 23:41:30 Instrument ID: TAC040
Lims ID: CCVC
Client ID:
Operator ID: jcm ALS Bottle#: 3 Worklist Smp#: 30
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

95 Benzofluoranthene, CAS: 56832-73-6

Signal: 1

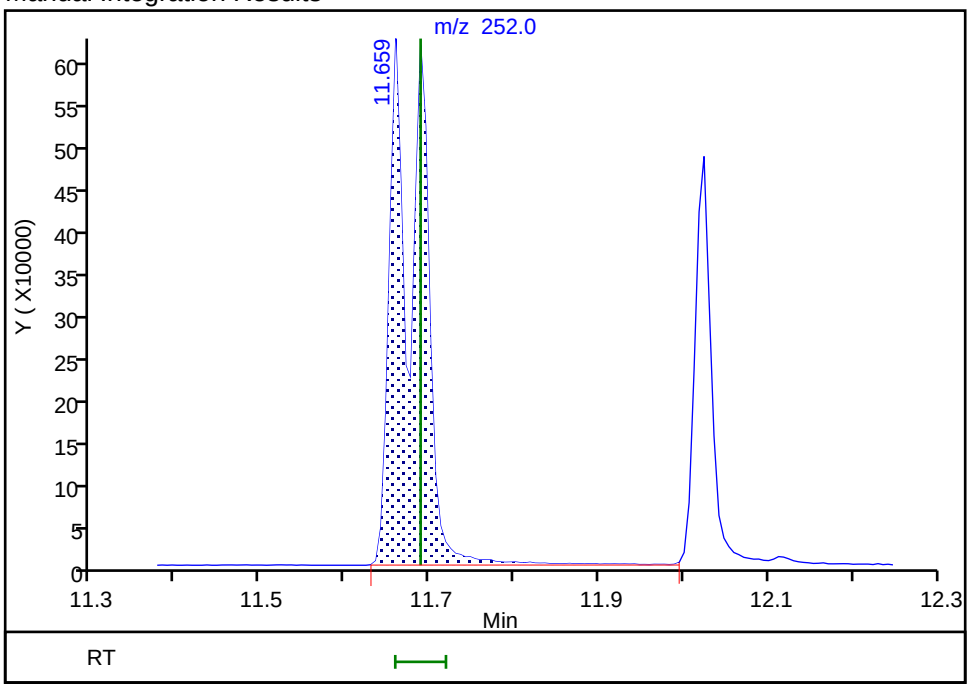
Not Detected
Expected RT: 11.69

Processing Integration Results



Manual Integration Results

RT: 11.66
Area: 1538204
Amount: 2132.6861
Amount Units: ug/L



Reviewer: limmere, 23-Mar-2022 16:12:07
Audit Action: Assigned Compound ID Audit Reason: Baseline

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Seattle | Job No.: 580-111294-1

SDG No.:

Lab Sample ID: ICV 580-379142/15 | Calibration Date: 01/24/2022 21:17

Instrument ID: TAC051 | Calib Start Date: 01/24/2022 17:04

GC Column: ZB-SV ID: 0.25(mm) | Calib End Date: 01/24/2022 20:31

Lab File ID: 0124A21_.D | Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Nitrosodimethylamine	Lin1		0.4106	0.0100	998	1000	-0.2	20.0
Pyridine	Lin2		0.6218	0.0100	1720	2000	-14.1	20.0
Phenol	Ave	1.004	1.033	0.8000	1030	1000	2.8	20.0
Aniline	Lin1		1.160	0.0100	925	1000	-7.5	20.0
Bis(2-chloroethyl)ether	Ave	0.8637	0.8062	0.7000	933	1000	-6.7	20.0
2-Chlorophenol	Ave	1.210	1.153	0.8000	953	1000	-4.7	20.0
n-Decane	Ave	0.7898	0.7097		899	1000	-10.1	20.0
1,3-Dichlorobenzene	Ave	1.441	1.344	0.0100	932	1000	-6.8	20.0
1,4-Dichlorobenzene	Ave	1.565	1.388	0.0100	887	1000	-11.3	20.0
Benzyl alcohol	Lin2		0.5845	0.0100	954	1000	-4.6	20.0
1,2-Dichlorobenzene	Ave	1.465	1.352	0.0100	923	1000	-7.7	20.0
o-Cresol	Ave	0.8394	0.8377	0.7000	998	1000	-0.2	20.0
bis (2-chloroisopropyl) ether	Ave	0.9704	0.8387	0.0100	864	1000	-13.6	20.0
Acetophenone	Ave	1.266	1.210	0.0100	955	1000	-4.5	20.0
m+p-Cresol	Lin2		0.8556	0.6000	978	1000	-2.2	20.0
N-Nitrosodi-n-propylamine	Ave	0.4984	0.4574*	0.5000	918	1000	-8.2	20.0
Hexachloroethane	Ave	0.5675	0.5434	0.3000	958	1000	-4.2	20.0
Nitrobenzene	Lin2		0.8199	0.2000	967	1000	-3.3	20.0
Isophorone	Ave	1.472	1.362	0.4000	925	1000	-7.5	20.0
2-Nitrophenol	Lin2		0.1784	0.1000	1040	1000	3.6	20.0
2,4-Dimethylphenol	Lin1		0.9172	0.2000	922	1000	-7.8	20.0
Benzoic acid	Lin1		0.1664	0.0100	1830	2000	-8.7	20.0
Bis(2-chloroethoxy)methane	Ave	0.9233	0.8560	0.3000	927	1000	-7.3	20.0
2,4-Dichlorophenol	Lin1		0.2753	0.2000	1040	1000	3.9	20.0
1,2,4-Trichlorobenzene	Ave	0.3058	0.3202	0.0100	1050	1000	4.7	20.0
Naphthalene	Qua2		1.025	0.7000	1030	1000	3.3	20.0
4-Chloroaniline	Lin1		0.3539	0.0100	1010	1000	1.1	20.0
2,6-Dichlorophenol	Qua1		0.4805	0.0100	926	1000	-7.4	20.0
Hexachlorobutadiene	Ave	0.1815	0.1848	0.0100	1020	1000	1.8	20.0
4-Chloro-3-methylphenol	Lin2		0.3769	0.2000	971	1000	-2.9	20.0
2-Methylnaphthalene	Ave	0.6515	0.6726	0.4000	1030	1000	3.2	20.0
1-Methylnaphthalene	Ave	0.6188	0.6331	0.0100	1020	1000	2.3	20.0
Hexachlorocyclopentadiene	Ave	0.3528	0.3322	0.0500	942	1000	-5.8	20.0
1,2,4,5-Tetrachlorobenzene	Qua		0.5143		978	1000	-2.2	20.0
2,4,6-Trichlorophenol	Lin2		0.3148	0.2000	981	1000	-1.9	20.0
2,4,5-Trichlorophenol	Lin1		0.3233	0.2000	887	1000	-11.3	20.0
1,1'-Biphenyl	Ave	1.451	1.405	0.0100	968	1000	-3.2	20.0
2-Chloronaphthalene	Ave	1.139	1.111	0.8000	975	1000	-2.5	20.0
2-Nitroaniline	Qua2		0.3026	0.0100	953	1000	-4.7	20.0
Dimethyl phthalate	Lin1		1.294	0.0100	1100	1000	10.1	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Seattle | Job No.: 580-111294-1

SDG No.:

Lab Sample ID: ICV 580-379142/15 | Calibration Date: 01/24/2022 21:17

Instrument ID: TAC051 | Calib Start Date: 01/24/2022 17:04

GC Column: ZB-SV ID: 0.25(mm) | Calib End Date: 01/24/2022 20:31

Lab File ID: 0124A21_.D | Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,6-Dinitrotoluene	Lin1		0.2866	0.2000	984	1000	-1.6	20.0
Acenaphthylene	Qua2		1.804	0.9000	1070	1000	7.4	20.0
3-Nitroaniline	Lin2		0.2727	0.0100	971	1000	-2.9	20.0
Acenaphthene	Ave	1.170	1.138	0.9000	972	1000	-2.8	20.0
2,4-Dinitrophenol	Lin1		0.1286	0.0100	1770	2000	-11.3	20.0
4-Nitrophenol	Lin1		0.1139	0.0100	1950	2000	-2.5	20.0
2,4-Dinitrotoluene	Lin2		0.3634	0.2000	973	1000	-2.7	20.0
Dibenzofuran	Ave	1.488	1.566	0.8000	1050	1000	5.3	20.0
2,3,5,6-Tetrachlorophenol	Lin2		0.2709	0.0100	1060	1000	5.7	20.0
2,3,4,6-Tetrachlorophenol	Lin2		0.3148	0.0100	1050	1000	4.9	20.0
Diethyl phthalate	Ave	1.296	1.380	0.0100	1060	1000	6.5	20.0
Fluorene	Ave	1.184	1.290	0.9000	1090	1000	8.9	20.0
4-Chlorophenyl phenyl ether	Ave	0.5450	0.5654	0.4000	1040	1000	3.7	20.0
4-Nitroaniline	Lin1		0.2292	0.0100	869	1000	-13.1	20.0
4,6-Dinitro-2-methylphenol	Lin1		0.1205	0.0100	2010	2000	0.7	20.0
N-Nitrosodiphenylamine	Ave	0.5309	0.6282	0.0100	1180	1000	18.3	20.0
Azobenzene	Lin2		0.6396		1160	1000	15.9	20.0
4-Bromophenyl phenyl ether	Qua2		0.2262	0.1000	1020	1000	2.3	20.0
Hexachlorobenzene	Ave	0.2584	0.2706	0.1000	1050	1000	4.7	20.0
Atrazine	Lin2		0.3249	0.0100	970	1000	-3.0	20.0
Pentachlorophenol	Lin2		0.1556	0.0500	2180	2000	9.1	20.0
n-Octadecane	Qua1		0.3053		966	1000	-3.4	20.0
Phenanthrene	Qua2		1.207	0.7000	1080	1000	7.7	20.0
Anthracene	Qua1		1.239	0.7000	1070	1000	6.5	20.0
Carbazole	Qua1		0.9641	0.0100	1080	1000	8.0	20.0
Di-n-butyl phthalate	Qua1		1.520	0.0100	1080	1000	7.9	20.0
Fluoranthene	Qua1		1.300	0.6000	1090	1000	9.1	20.0
Benzidine	Lin1		0.3015	0.0100	2130	2000	6.6	20.0
Pyrene	Qua1		1.374	0.6000	1120	1000	12.3	20.0
Butyl benzyl phthalate	Qua1		0.7470	0.0100	1040	1000	3.6	20.0
3,3'-Dichlorobenzidine	Qua1		0.4058	0.0100	2010	2000	0.5	20.0
Benzo[a]anthracene	Qua1		1.285	0.8000	1030	1000	2.8	20.0
Chrysene	Qua2		1.312	0.7000	996	1000	-0.4	20.0
Bis(2-ethylhexyl) phthalate	Qua2		1.030	0.0100	1110	1000	10.8	20.0
Di-n-octyl phthalate	Ave	1.324	1.478	0.0100	1120	1000	11.6	20.0
Benzo[b]fluoranthene	Lin2		1.186	0.7000	1070	1000	7.0	20.0
Benzofluoranthene	Ave	1.229	1.230		2000	2000	0.1	20.0
Benzo[k]fluoranthene	Ave	1.342	1.405	0.7000	1050	1000	4.7	20.0
Benzo[a]pyrene	Lin2		1.189	0.7000	1170	1000	16.6	20.0
Indeno[1,2,3-cd]pyrene	Lin1		1.084	0.5000	1070	1000	6.8	20.0
Dibenz(a,h)anthracene	Lin2		1.094	0.4000	1000	1000	0.1	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Seattle | Job No.: 580-111294-1

SDG No.:

Lab Sample ID: ICV 580-379142/15 | Calibration Date: 01/24/2022 21:17

Instrument ID: TAC051 | Calib Start Date: 01/24/2022 17:04

GC Column: ZB-SV ID: 0.25(mm) | Calib End Date: 01/24/2022 20:31

Lab File ID: 0124A21_.D | Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzo[g,h,i]perylene	Qua1		1.298	0.5000	1030	1000	2.6	20.0
2-Fluorophenol (Surr)	Lin2		0.8441		909	1000	-9.1	20.0
Phenol-d5 (Surr)	Lin1		0.9755		947	1000	-5.3	20.0
Nitrobenzene-d5 (Surr)	Ave	0.2380	0.2434		1020	1000	2.3	20.0
2-Fluorobiphenyl	Ave	1.330	1.334		1000	1000	0.3	20.0
2,4,6-Tribromophenol (Surr)	Lin1		0.1358	0.0100	1000	1000	0.3	20.0
Terphenyl-d14	Ave	0.7490	0.8298		1110	1000	10.8	20.0

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A21_.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 24-Jan-2022 21:17:30 ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: icv
Operator ID: TL Instrument ID: TAC051
Sublist:

Method: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 28-Jan-2022 17:07:15 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: limmere Date: 27-Jan-2022 12:10:55

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.489	4.489	0.000	71	29129	100.0	100.0	
* 2 Naphthalene-d8	136	5.498	5.499	-0.001	96	96485	100.0	100.0	
* 3 Acenaphthene-d10	164	6.925	6.925	0.000	39	53811	100.0	100.0	
* 4 Phenanthrene-d10	188	8.137	8.138	-0.001	93	77974	100.0	100.0	
* 5 Chrysene-d12	240	10.333	10.334	-0.001	57	68776	100.0	100.0	
* 6 Perylene-d12	264	11.861	11.862	-0.001	86	75719	100.0	100.0	M
$ 7 2-Fluorophenol	112	3.484	3.485	-0.001	85	245873	1000.0	909.5	
$ 8 Phenol-d5	99	4.211	4.212	-0.001	98	284152	1000.0	946.8	
$ 9 Nitrobenzene-d5	82	4.927	4.928	-0.001	88	234864	1000.0	1022.7	
$ 10 2-methylnaphthalene-d10	152	6.054	6.055	-0.001	0	576751	NC	NC	
$ 11 2-Fluorobiphenyl	172	6.385	6.386	-0.001	99	717911	1000.0	1003.4	
$ 12 2,4,6-Tribromophenol	330	7.571	7.572	-0.001	83	105853	1000.0	1003.0	
$ 13 Fluoranthene-d10 (Surr)	212	9.115	9.116	-0.001	0	876905	NC	NC	
$ 14 Terphenyl-d14	244	9.457	9.458	-0.001	99	647056	1000.0	1108.0	
15 1,4-Dioxane	88	2.352	2.353	-0.001	1	1473	NC	NC	
16 N-Nitrosodimethylamine	74	2.480	2.475	0.005	75	119618	1000.0	997.8	
17 Pyridine	79	2.491	2.492	-0.001	88	362263	2000.0	1718.3	
19 Phenol	94	4.222	4.222	0.000	98	300880	1000.0	1028.4	
18 Aniline	93	4.238	4.238	0.000	46	337926	1000.0	925.1	
20 Bis(2-chloroethyl)ether	93	4.296	4.297	-0.001	97	234838	1000.0	933.4	
21 2-Chlorophenol	128	4.323	4.324	-0.001	81	335958	1000.0	952.8	
22 n-Decane	57	4.376	4.377	-0.001	88	206734	1000.0	898.6	
23 1,3-Dichlorobenzene	146	4.446	4.447	-0.001	98	391519	1000.0	932.5	
25 1,4-Dichlorobenzene	146	4.505	4.505	0.000	96	404278	1000.0	887.0	
26 Benzyl alcohol	79	4.606	4.607	-0.001	96	170261	1000.0	953.9	
27 1,2-Dichlorobenzene	146	4.622	4.623	-0.001	91	393944	1000.0	923.0	
28 2-Methylphenol	108	4.697	4.692	0.005	57	244020	1000.0	998.0	
29 2,2'-oxybis[1-chloropropane]	45	4.718	4.719	-0.001	45	244319	1000.0	864.4	a
30 Acetophenone	105	4.814	4.810	0.004	90	352416	1000.0	955.5	
31 N-Nitrosodi-n-propylamine	70	4.820	4.815	0.005	77	133223	1000.0	917.7	
32 3 & 4 Methylphenol	108	4.820	4.821	-0.001	87	249241	1000.0	978.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
33 Hexachloroethane	117	4.884	4.885	-0.001	90	158275	1000.0	957.5	
34 Nitrobenzene	77	4.943	4.944	-0.001	87	238839	1000.0	966.9	
35 Isophorone	82	5.140	5.136	0.004	94	396747	1000.0	925.5	
36 2-Nitrophenol	139	5.199	5.200	-0.001	88	172153	1000.0	1035.6	
37 2,4-Dimethylphenol	107	5.242	5.243	-0.001	91	267159	1000.0	921.7	
39 Benzoic acid	105	5.301	5.301	0.000	81	321165	2000.0	1825.1	M
38 Bis(2-chloroethoxy)methane	93	5.322	5.323	-0.001	90	249349	1000.0	927.1	
40 2,4-Dichlorophenol	162	5.391	5.392	-0.001	87	265576	1000.0	1038.9	
41 1,2,4-Trichlorobenzene	180	5.456	5.456	0.000	93	308908	1000.0	1047.0	
42 Naphthalene	128	5.520	5.515	0.005	95	988620	1000.0	1032.8	
43 4-Chloroaniline	127	5.568	5.569	-0.001	83	341475	1000.0	1011.5	
44 2,6-Dichlorophenol	162	5.573	5.574	-0.001	91	258574	1000.0	925.8	
45 Hexachlorobutadiene	225	5.621	5.622	-0.001	92	178258	1000.0	1017.9	
46 4-Chloro-3-methylphenol	107	5.968	5.969	-0.001	89	202834	1000.0	970.7	
47 2-Methylnaphthalene	142	6.081	6.081	0.000	77	648992	1000.0	1032.5	
48 1-Methylnaphthalene	142	6.155	6.156	-0.001	89	610865	1000.0	1023.2	
49 Hexachlorocyclopentadiene	237	6.209	6.210	-0.001	85	178775	1000.0	941.6	
50 1,2,4,5-Tetrachlorobenzene	216	6.214	6.215	-0.001	96	276776	1000.0	977.7	
52 2,4,6-Trichlorophenol	196	6.310	6.311	-0.001	88	169422	1000.0	981.2	
53 2,4,5-Trichlorophenol	196	6.342	6.343	-0.001	94	173973	1000.0	887.3	
54 1,1'-Biphenyl	154	6.465	6.461	0.004	94	756059	1000.0	968.5	
55 2-Chloronaphthalene	162	6.471	6.471	0.000	98	597941	1000.0	975.2	
56 2-Nitroaniline	138	6.567	6.568	-0.001	92	162831	1000.0	952.7	
57 Dimethyl phthalate	163	6.727	6.722	0.005	98	696440	1000.0	1101.3	
58 1,3-Dinitrobenzene	168	6.743	6.744	-0.001	79	84161	1000.0	908.4	
59 2,6-Dinitrotoluene	165	6.770	6.765	0.005	68	154245	1000.0	984.0	
60 Acenaphthylene	152	6.807	6.808	-0.001	92	970857	1000.0	1073.5	
61 3-Nitroaniline	138	6.903	6.904	-0.001	86	146725	1000.0	971.1	
62 Acenaphthene	153	6.951	6.952	-0.001	92	612393	1000.0	972.5	
63 2,4-Dinitrophenol	184	6.989	6.990	-0.001	51	138385	2000.0	1773.8	Ma
64 4-Nitrophenol	109	7.048	7.048	0.000	87	122539	2000.0	1949.2	M
65 2,4-Dinitrotoluene	165	7.096	7.096	0.000	58	195557	1000.0	972.6	
66 Dibenzofuran	168	7.096	7.096	0.000	92	842877	1000.0	1052.8	
51 2,3,5,6-Tetrachlorophenol	232	7.165	7.166	-0.001	88	145761	1000.0	1057.2	
67 2,3,4,6-Tetrachlorophenol	232	7.197	7.198	-0.001	74	169389	1000.0	1049.4	
68 Diethyl phthalate	149	7.304	7.299	0.005	97	742601	1000.0	1064.6	
69 Fluorene	166	7.373	7.374	-0.001	84	694055	1000.0	1089.3	
70 4-Chlorophenyl phenyl ether	204	7.384	7.385	-0.001	92	304238	1000.0	1037.4	
71 4-Nitroaniline	138	7.400	7.401	-0.001	28	123350	1000.0	868.7	
72 4,6-Dinitro-2-methylphenol	198	7.421	7.422	-0.001	80	187903	2000.0	2014.9	
73 N-Nitrosodiphenylamine	169	7.480	7.481	-0.001	59	489856	1000.0	1183.4	
74 Azobenzene	77	7.512	7.513	-0.001	96	498683	1000.0	1159.0	
75 4-Bromophenyl phenyl ether	248	7.785	7.786	-0.001	56	176364	1000.0	1023.3	
76 Hexachlorobenzene	284	7.822	7.818	0.004	85	210966	1000.0	1046.9	
77 Atrazine	200	7.929	7.930	-0.001	91	174821	1000.0	969.8	
78 Pentachlorophenol	266	7.982	7.983	-0.001	82	242672	2000.0	2182.3	
79 n-Octadecane	57	8.084	8.085	-0.001	90	238057	1000.0	965.8	
80 Phenanthrene	178	8.159	8.160	0.000	96	941479	1000.0	1077.3	
81 Anthracene	178	8.201	8.197	0.004	95	966093	1000.0	1065.2	
83 Carbazole	167	8.340	8.336	0.004	82	751750	1000.0	1080.5	
84 Di-n-butyl phthalate	149	8.645	8.646	-0.001	99	1185286	1000.0	1078.8	
85 Fluoranthene	202	9.131	9.132	-0.001	95	1013532	1000.0	1090.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
88 Benzidine	184	9.259	9.260	-0.001	97	470139	2000.0	2132.0	
89 Pyrene	202	9.313	9.313	0.000	99	1071043	1000.0	1122.9	
94 Butyl benzyl phthalate	149	9.873	9.869	0.004	92	513723	1000.0	1035.9	
96 3,3'-Dichlorobenzidine	252	10.322	10.318	0.004	59	558142	2000.0	2010.0	
97 Benzo[a]anthracene	228	10.328	10.323	0.005	97	884089	1000.0	1028.2	
99 Chrysene	228	10.360	10.360	0.000	93	902008	1000.0	995.6	
98 Bis(2-ethylhexyl) phthalate	149	10.392	10.393	0.000	77	708121	1000.0	1107.7	
100 Di-n-octyl phthalate	149	11.059	11.055	0.004	97	1119026	1000.0	1116.2	
101 Benzo[b]fluoranthene	252	11.428	11.424	0.004	94	897702	1000.0	1070.3	
102 Benzofluoranthene	252	11.428	11.456	-0.028	1	1862924	2000.0	2002.1	Ma
103 Benzo[k]fluoranthene	252	11.455	11.456	-0.001	96	1064172	1000.0	1046.9	
104 Benzo[a]pyrene	252	11.797	11.792	0.005	74	900239	1000.0	1166.2	
105 Indeno[1,2,3-cd]pyrene	276	13.164	13.165	-0.001	98	821171	1000.0	1068.2	
106 Dibenz(a,h)anthracene	278	13.207	13.208	-0.001	4	828384	1000.0	1001.4	
107 Benzo[g,h,i]perylene	276	13.490	13.496	-0.006	89	982685	1000.0	1025.9	a

QC Flag Legend

Processing Flags
NC - Not Calibrated
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

icv_8270_1000_00014 Amount Added: 1.00 Units: ml

Report Date: 28-Jan-2022 17:08:16 Chrom Revision: 2.3 18-Jan-2022 20:25:40

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A21_.D

Injection Date: 24-Jan-2022 21:17:30 Instrument ID: TAC051

Lims ID: ICV

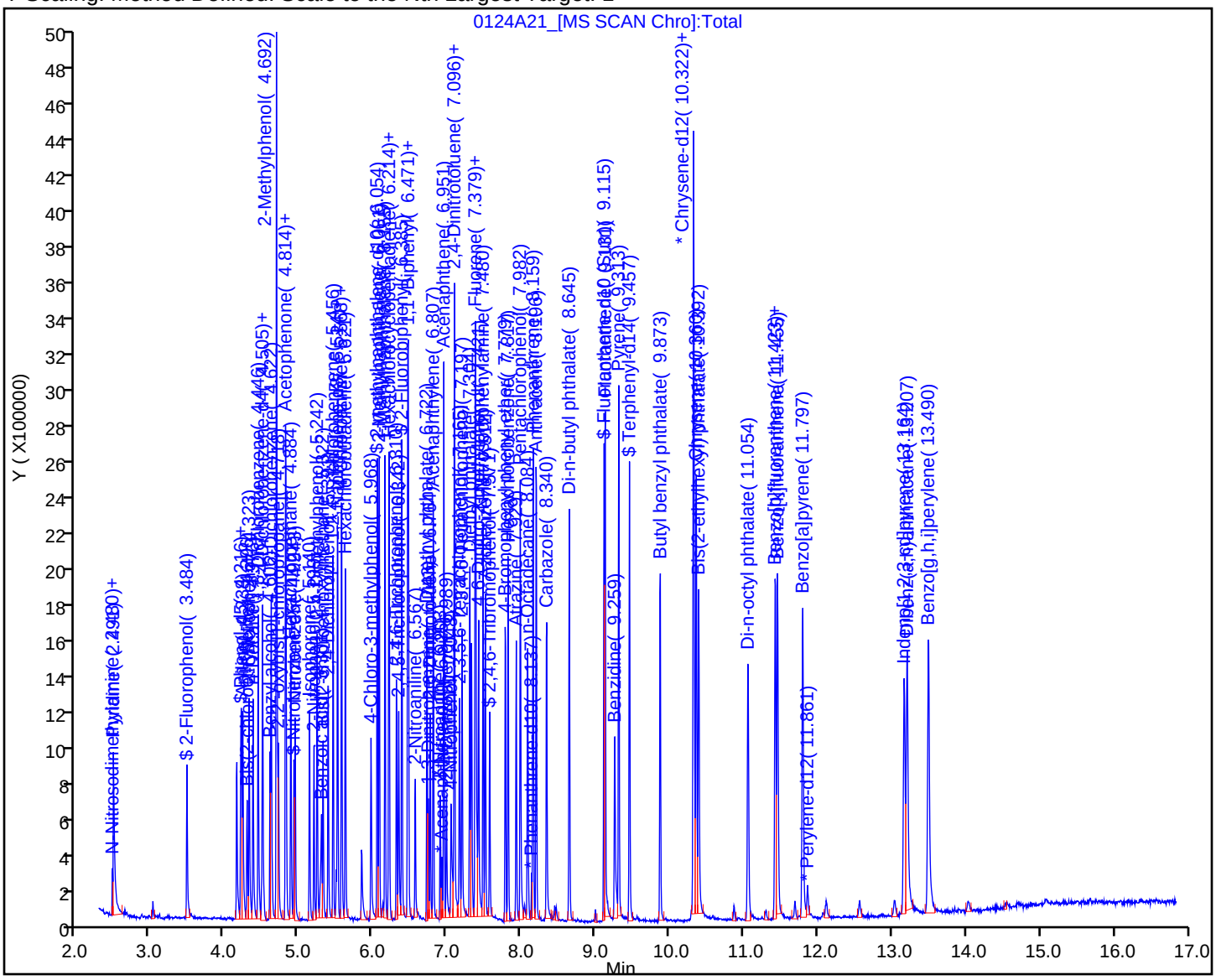
Client ID:

Operator ID: TL ALS Bottle#: 15 Worklist Smp#: 15

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Seattle

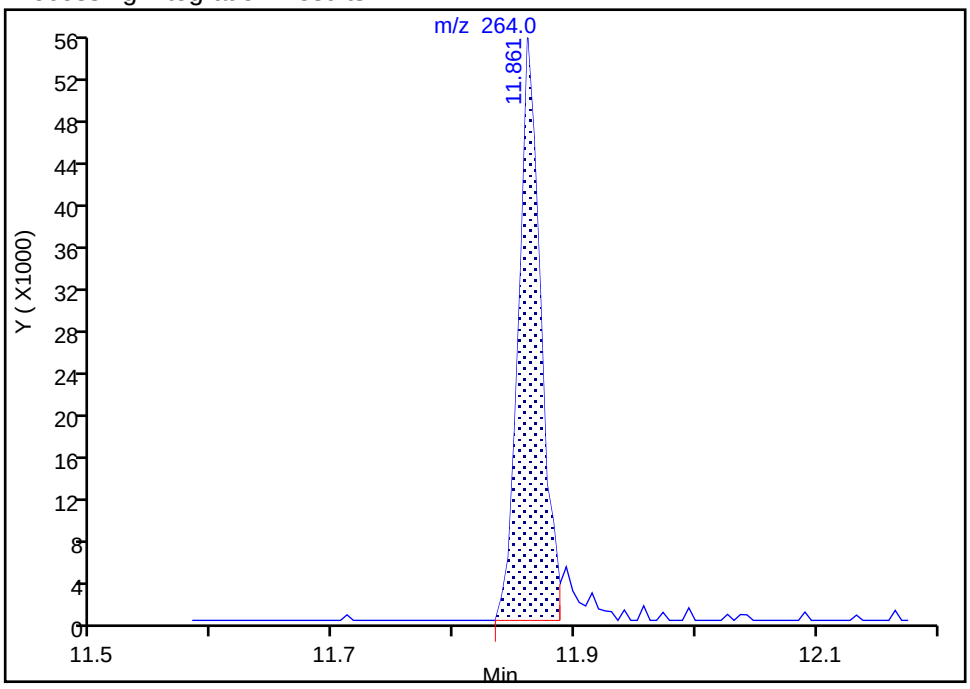
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A21_.D
Injection Date: 24-Jan-2022 21:17:30 Instrument ID: TAC051
Lims ID: ICV
Client ID:
Operator ID: TL ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

* 6 Perylene-d12, CAS: 1520-96-3

Signal: 1

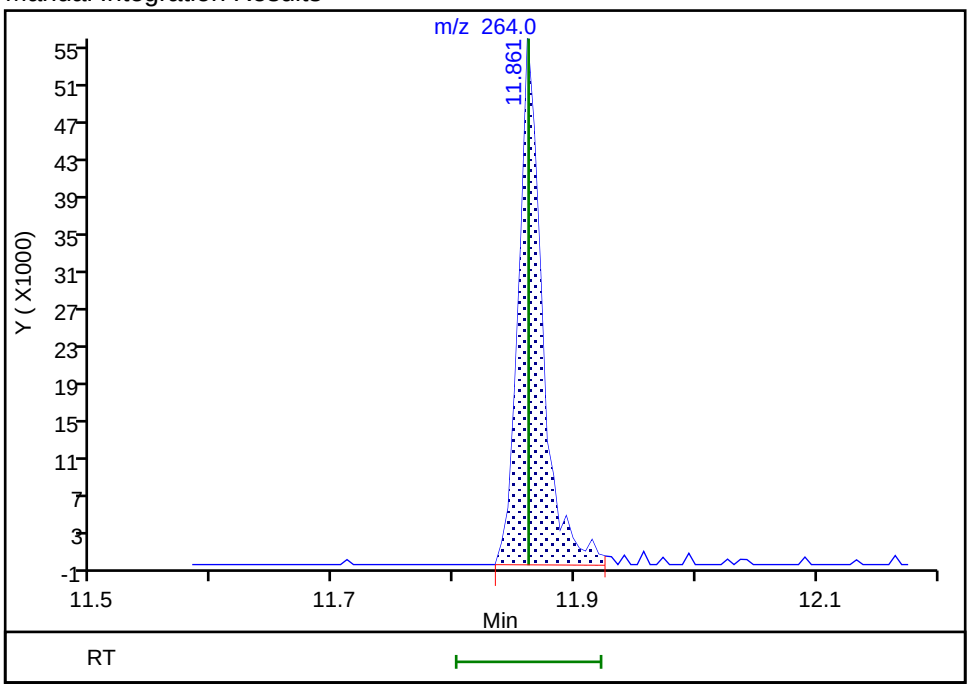
Processing Integration Results

RT: 11.86
Area: 70483
Amount: 100.0000
Amount Units: ug/L



Manual Integration Results

RT: 11.86
Area: 75719
Amount: 100.0000
Amount Units: ug/L



Reviewer: mohammedj, 27-Jan-2022 14:58:13
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Seattle

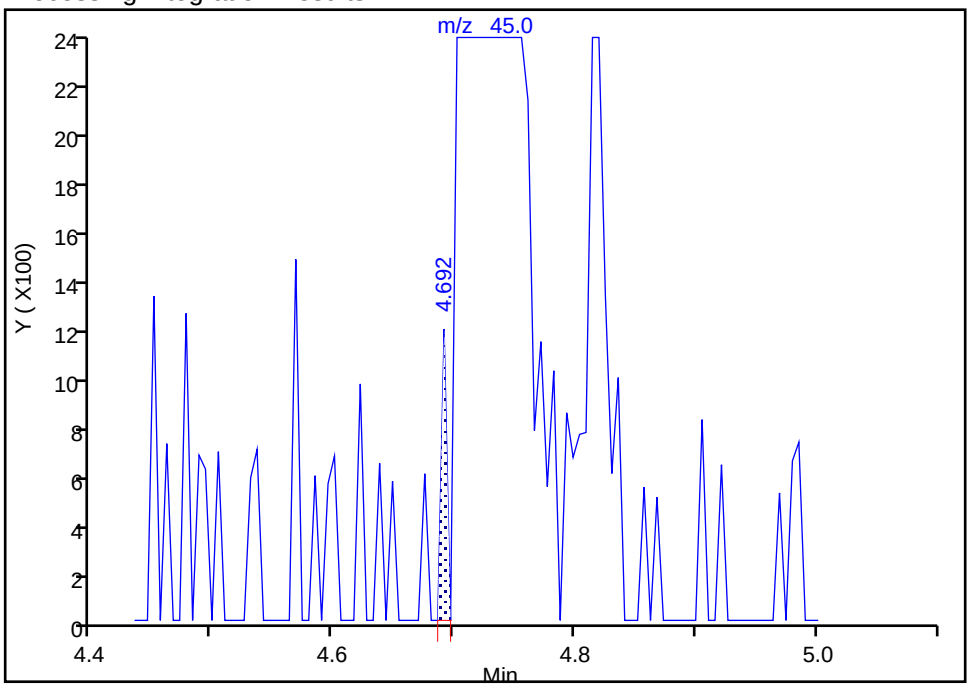
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A21_.D
Injection Date: 24-Jan-2022 21:17:30 Instrument ID: TAC051
Lims ID: ICV
Client ID:
Operator ID: TL ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

29 2,2'-oxybis[1-chloropropane], CAS: 108-60-1

Signal: 1

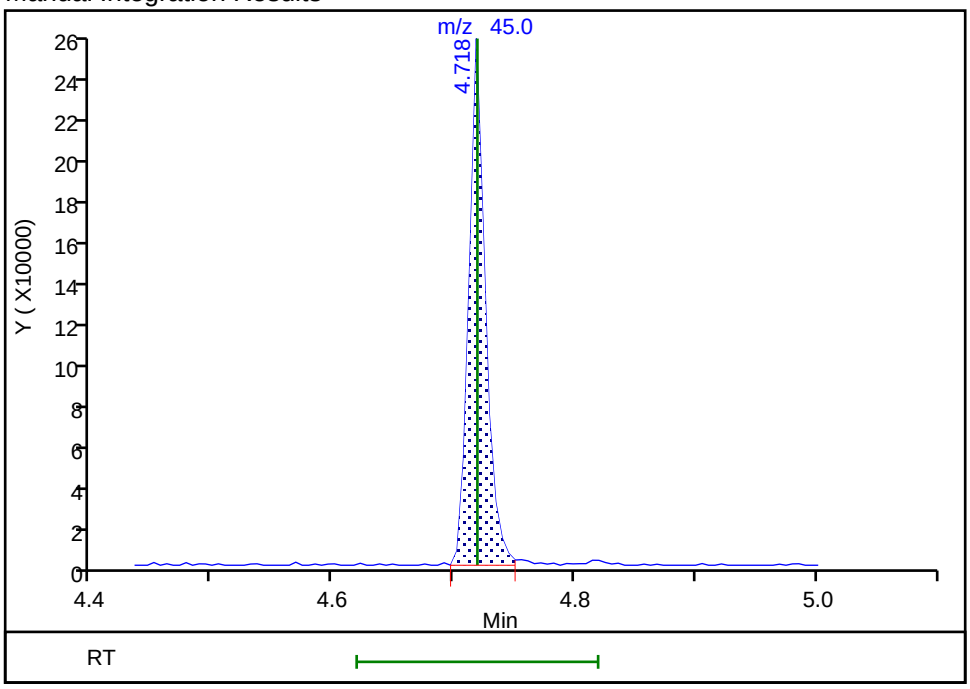
Processing Integration Results

RT: 4.69
Area: 385
Amount: 1.362077
Amount Units: ug/L



Manual Integration Results

RT: 4.72
Area: 244319
Amount: 864.3669
Amount Units: ug/L



Reviewer: limmere, 27-Jan-2022 12:07:51
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Seattle

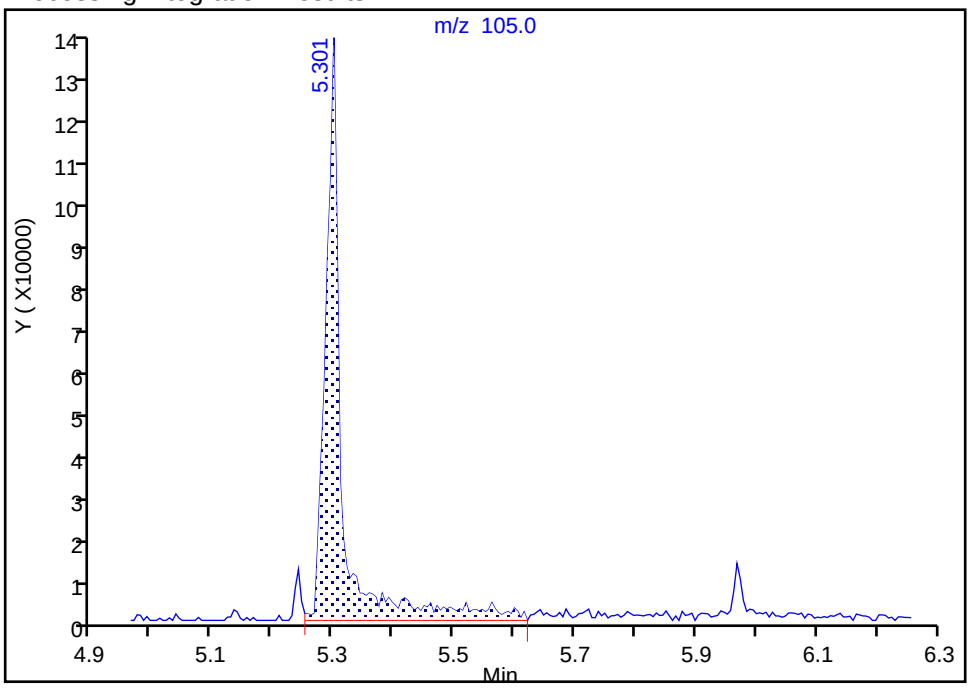
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A21_.D
Injection Date: 24-Jan-2022 21:17:30 Instrument ID: TAC051
Lims ID: ICV
Client ID:
Operator ID: TL ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

39 Benzoic acid, CAS: 65-85-0

Signal: 1

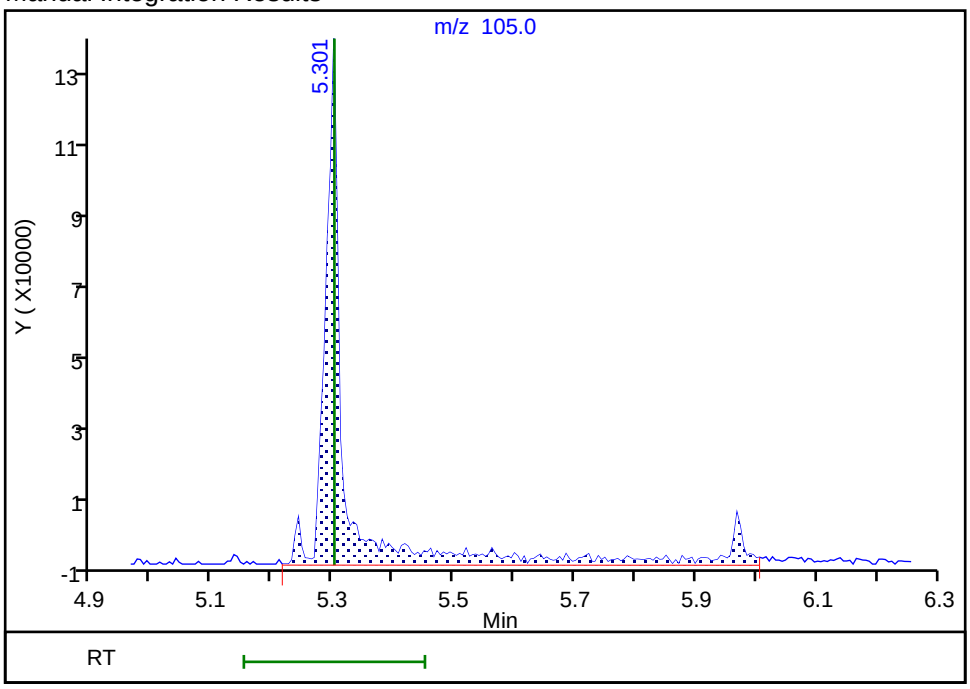
Processing Integration Results

RT: 5.30
Area: 257108
Amount: 1461.6119
Amount Units: ug/L



Manual Integration Results

RT: 5.30
Area: 321165
Amount: 1825.0954
Amount Units: ug/L



Reviewer: limmere, 27-Jan-2022 12:08:51
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Seattle

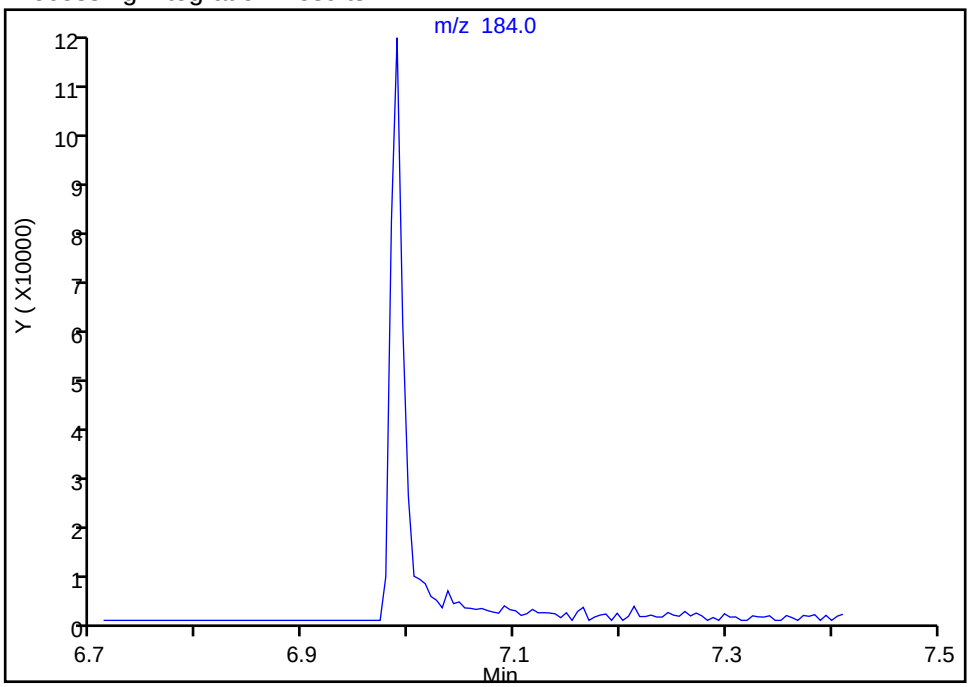
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A21_.D
Injection Date: 24-Jan-2022 21:17:30 Instrument ID: TAC051
Lims ID: ICV
Client ID:
Operator ID: TL ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

63 2,4-Dinitrophenol, CAS: 51-28-5

Signal: 1

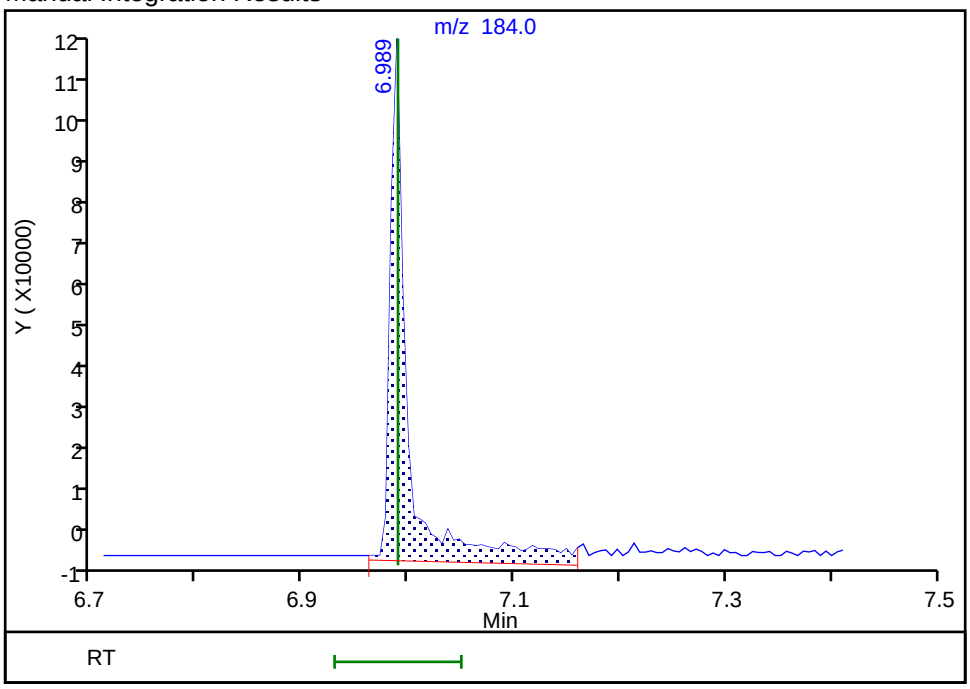
Not Detected
Expected RT: 6.99

Processing Integration Results



Manual Integration Results

RT: 6.99
Area: 138385
Amount: 1773.7909
Amount Units: ug/L



Reviewer: limmere, 27-Jan-2022 12:09:14
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Seattle

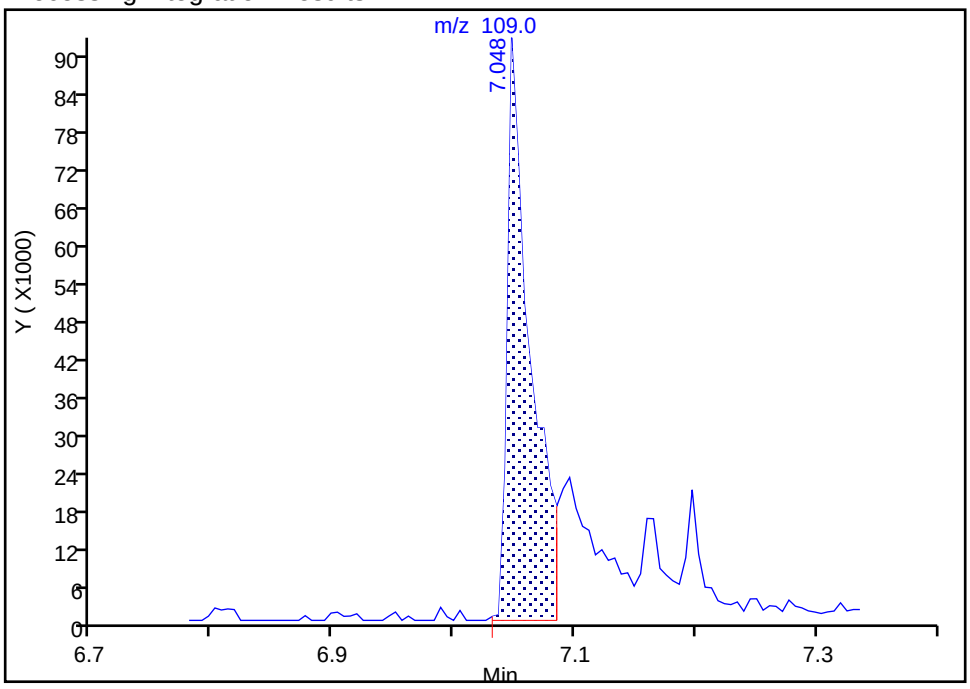
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A21_.D
Injection Date: 24-Jan-2022 21:17:30 Instrument ID: TAC051
Lims ID: ICV
Client ID:
Operator ID: TL ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

64 4-Nitrophenol, CAS: 100-02-7

Signal: 1

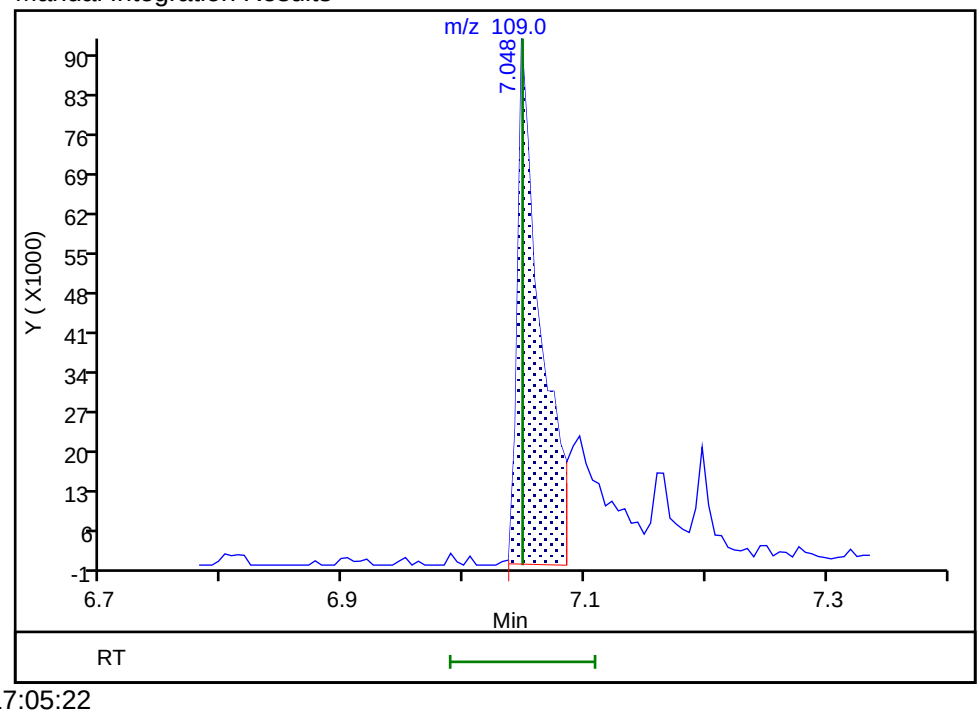
Processing Integration Results

RT: 7.05
Area: 123077
Amount: 1428.9679
Amount Units: ug/L



Manual Integration Results

RT: 7.05
Area: 122539
Amount: 1949.1693
Amount Units: ug/L



Reviewer: boylea, 28-Jan-2022 17:05:22
Audit Action: Manually Integrated Audit Reason: Peak Tail

Eurofins Seattle

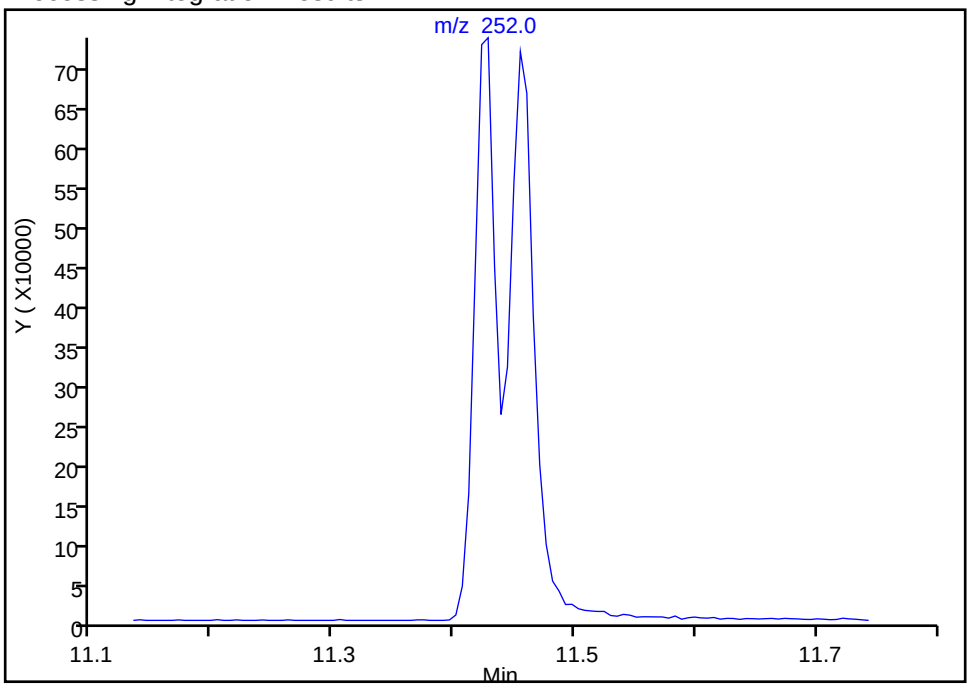
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A21_.D
Injection Date: 24-Jan-2022 21:17:30 Instrument ID: TAC051
Lims ID: ICV
Client ID:
Operator ID: TL ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

102 Benzofluoranthene, CAS: 56832-73-6

Signal: 1

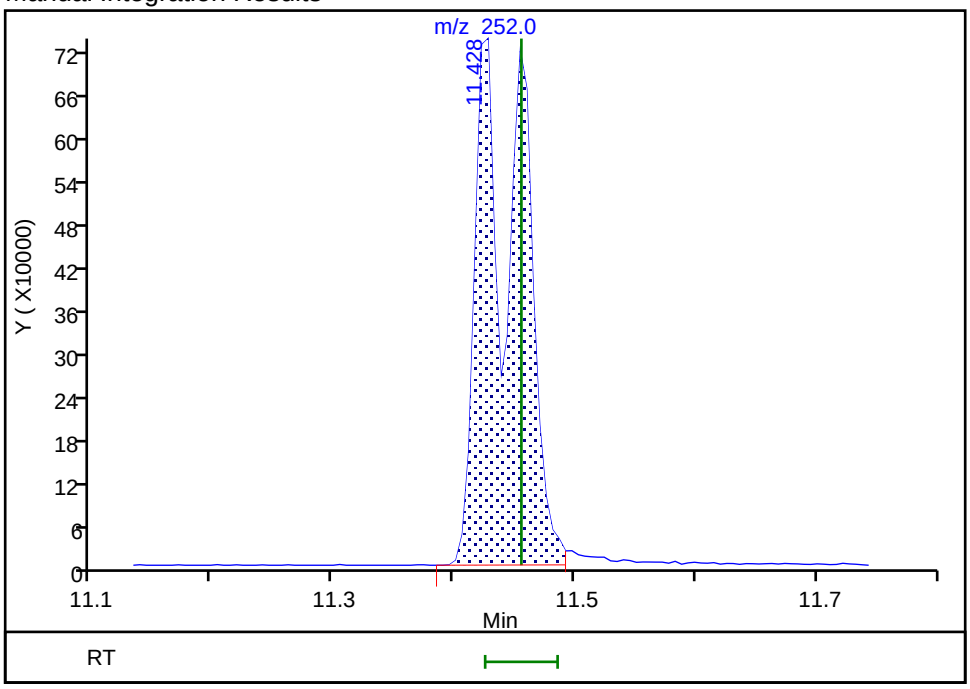
Not Detected
Expected RT: 11.46

Processing Integration Results



Manual Integration Results

RT: 11.43
Area: 1862924
Amount: 2002.0992
Amount Units: ug/L



Reviewer: limmere, 27-Jan-2022 12:09:47
Audit Action: Manually Integrated Audit Reason: Baseline

Eurofins Seattle

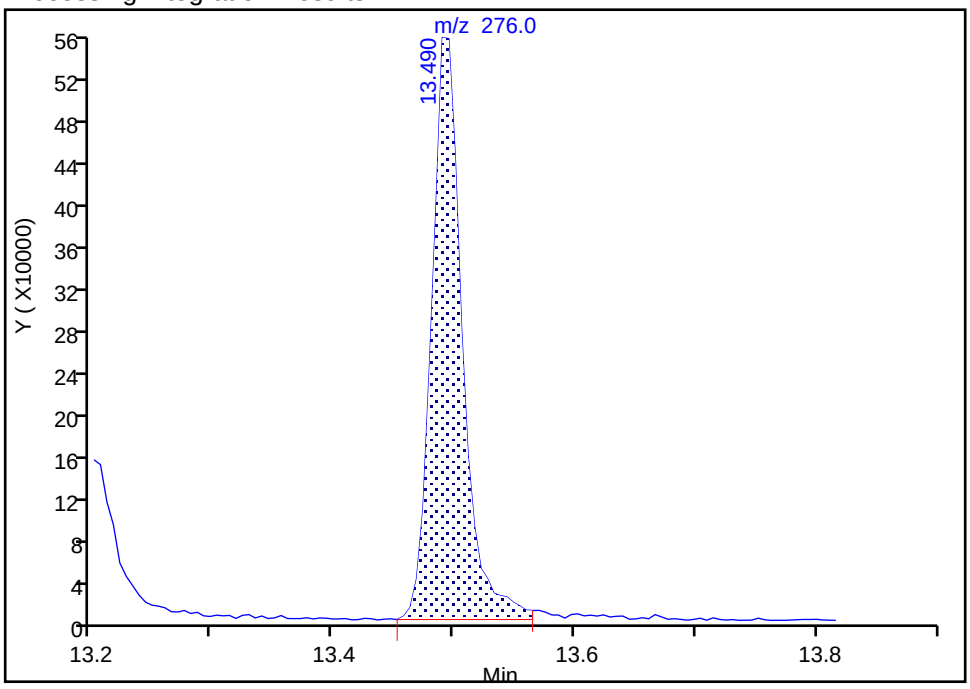
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A21_.D
Injection Date: 24-Jan-2022 21:17:30 Instrument ID: TAC051
Lims ID: ICV
Client ID:
Operator ID: TL ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

107 Benzo[g,h,i]perylene, CAS: 191-24-2

Signal: 1

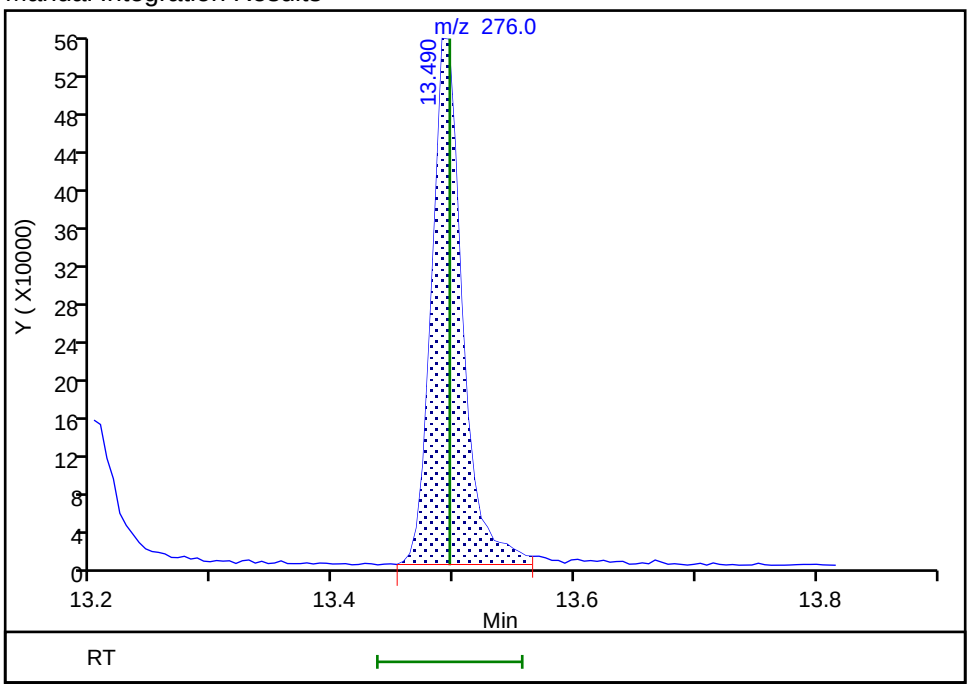
Processing Integration Results

RT: 13.49
Area: 982685
Amount: 1100.9746
Amount Units: ug/L



Manual Integration Results

RT: 13.49
Area: 982685
Amount: 1025.9436
Amount Units: ug/L



Reviewer: limmere, 27-Jan-2022 12:09:59
Audit Action: Assigned Compound ID Audit Reason: Baseline

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Seattle | Job No.: 580-111294-1

SDG No.:

Lab Sample ID: CCVIS 580-384146/3 | Calibration Date: 03/17/2022 12:48

Instrument ID: TAC051 | Calib Start Date: 01/24/2022 17:04

GC Column: ZB-SV ID: 0.25(mm) | Calib End Date: 01/24/2022 20:31

Lab File ID: 31722A08.D | Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Nitrosodimethylamine	Lin1		0.3992	0.0100	971	1000	-2.9	20.0
Pyridine	Lin2		0.7236	0.0100	1990	2000	-0.5	20.0
Aniline	Lin1		1.145	0.0100	913	1000	-8.7	20.0
Phenol	Ave	1.004	0.9568	0.8000	953	1000	-4.7	20.0
Bis(2-chloroethyl)ether	Ave	0.8637	0.8247	0.7000	955	1000	-4.5	20.0
2-Chlorophenol	Ave	1.210	1.380	0.8000	1140	1000	14.0	20.0
n-Decane	Ave	0.7898	0.7068		895	1000	-10.5	20.0
1,3-Dichlorobenzene	Ave	1.441	1.511	0.0100	1050	1000	4.8	20.0
1,4-Dichlorobenzene	Ave	1.565	1.584	0.0100	1010	1000	1.2	20.0
1,2-Dichlorobenzene	Ave	1.465	1.494	0.0100	1020	1000	2.0	20.0
Benzyl alcohol	Lin2		0.5426	0.0100	886	1000	-11.4	20.0
bis (2-chloroisopropyl) ether	Ave	0.9704	0.8986	0.0100	926	1000	-7.4	20.0
o-Cresol	Ave	0.8394	0.9017	0.7000	1070	1000	7.4	20.0
Acetophenone	Ave	1.266	1.323	0.0100	1040	1000	4.5	20.0
N-Nitrosodi-n-propylamine	Ave	0.4984	0.4994*	0.5000	1000	1000	0.2	20.0
m+p-Cresol	Lin2		0.9112	0.6000	1040	1000	4.1	20.0
Hexachloroethane	Ave	0.5675	0.6009	0.3000	1060	1000	5.9	20.0
Nitrobenzene	Lin2		0.8235	0.2000	971	1000	-2.9	20.0
Isophorone	Ave	1.472	1.525	0.4000	1040	1000	3.6	20.0
2-Nitrophenol	Lin2		0.1902	0.1000	1100	1000	10.4	20.0
2,4-Dimethylphenol	Lin1		1.075	0.2000	1080	1000	7.9	20.0
Bis(2-chloroethoxy)methane	Ave	0.9233	0.9512	0.3000	1030	1000	3.0	20.0
Benzoic acid	Lin1		0.1846	0.0100	1990	2000	-0.6	20.0
2,4-Dichlorophenol	Lin1		0.2730	0.2000	1030	1000	3.1	20.0
1,2,4-Trichlorobenzene	Ave	0.3058	0.2994	0.0100	979	1000	-2.1	20.0
Naphthalene	Qua2		1.005	0.7000	1010	1000	1.2	20.0
4-Chloroaniline	Lin1		0.3445	0.0100	985	1000	-1.5	20.0
2,6-Dichlorophenol	Qua1		0.5156	0.0100	994	1000	-0.6	20.0
Hexachlorobutadiene	Ave	0.1815	0.1737	0.0100	957	1000	-4.3	20.0
4-Chloro-3-methylphenol	Lin2		0.3723	0.2000	959	1000	-4.1	20.0
2-Methylnaphthalene	Ave	0.6515	0.6832	0.4000	1050	1000	4.9	20.0
1-Methylnaphthalene	Ave	0.6188	0.6481	0.0100	1050	1000	4.7	20.0
Hexachlorocyclopentadiene	Ave	0.3528	0.3345	0.0500	948	1000	-5.2	20.0
1,2,4,5-Tetrachlorobenzene	Qua		0.5432		1030	1000	3.4	20.0
2,4,6-Trichlorophenol	Lin2		0.3399	0.2000	1060	1000	5.7	20.0
2,4,5-Trichlorophenol	Lin1		0.3665	0.2000	1000	1000	-0.0	20.0
1,1'-Biphenyl	Ave	1.451	1.517	0.0100	1050	1000	4.6	20.0
2-Chloronaphthalene	Ave	1.139	1.190	0.8000	1040	1000	4.5	20.0
2-Nitroaniline	Qua2		0.3804	0.0100	1180	1000	17.8	20.0
Dimethyl phthalate	Lin1		1.356	0.0100	1150	1000	15.4	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Seattle | Job No.: 580-111294-1

SDG No.:

Lab Sample ID: CCVIS 580-384146/3 | Calibration Date: 03/17/2022 12:48

Instrument ID: TAC051 | Calib Start Date: 01/24/2022 17:04

GC Column: ZB-SV ID: 0.25(mm) | Calib End Date: 01/24/2022 20:31

Lab File ID: 31722A08.D | Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,6-Dinitrotoluene	Lin1		0.3143	0.2000	1080	1000	7.6	20.0
Acenaphthylene	Qua2		1.851	0.9000	1100	1000	10.2	20.0
3-Nitroaniline	Lin2		0.2931	0.0100	1040	1000	3.8	20.0
Acenaphthene	Ave	1.170	1.201	0.9000	1030	1000	2.6	20.0
2,4-Dinitrophenol	Lin1		0.1652	0.0100	2160	2000	7.8	20.0
Dibenzofuran	Ave	1.488	1.648	0.8000	1110	1000	10.8	20.0
2,4-Dinitrotoluene	Lin2		0.3900	0.2000	1040	1000	3.9	20.0
4-Nitrophenol	Lin1		0.1573	0.0100	2390	2000	19.7	20.0
2,3,5,6-Tetrachlorophenol	Lin2		0.2786	0.0100	1090	1000	8.6	20.0
2,3,4,6-Tetrachlorophenol	Lin2		0.3138	0.0100	1050	1000	4.6	20.0
Diethyl phthalate	Ave	1.296	1.437	0.0100	1110	1000	10.9	20.0
Fluorene	Ave	1.184	1.371	0.9000	1160	1000	15.8	20.0
4-Chlorophenyl phenyl ether	Ave	0.5450	0.5735	0.4000	1050	1000	5.2	20.0
4-Nitroaniline	Lin1		0.2418	0.0100	913	1000	-8.7	20.0
4,6-Dinitro-2-methylphenol	Lin1		0.1244	0.0100	2070	2000	3.7	20.0
N-Nitrosodiphenylamine	Ave	0.5309	0.6147	0.0100	1160	1000	15.8	20.0
Azobenzene	Lin2		0.5638		1020	1000	2.2	20.0
4-Bromophenyl phenyl ether	Qua2		0.2244	0.1000	1020	1000	1.5	20.0
Hexachlorobenzene	Ave	0.2584	0.2668	0.1000	1030	1000	3.2	20.0
Atrazine	Lin2		0.3571	0.0100	1060	1000	6.4	20.0
Pentachlorophenol	Lin2		0.1417	0.0500	2000	2000	0.0	20.0
n-Octadecane	Qua1		0.2942		930	1000	-7.0	20.0
Phenanthrene	Qua2		1.167	0.7000	1040	1000	4.0	20.0
Anthracene	Qua1		1.193	0.7000	1020	1000	2.4	20.0
Carbazole	Qua1		0.9786	0.0100	1100	1000	9.7	20.0
Di-n-butyl phthalate	Qua1		1.481	0.0100	1050	1000	5.0	20.0
Fluoranthene	Qua1		1.230	0.6000	1030	1000	3.0	20.0
Benzidine	Lin1		0.3083	0.0100	2180	2000	8.9	20.0
Pyrene	Qua1		1.226	0.6000	997	1000	-0.3	20.0
Butyl benzyl phthalate	Qua1		0.7932	0.0100	1100	1000	10.1	20.0
3,3'-Dichlorobenzidine	Qua1		0.4190	0.0100	2080	2000	3.8	20.0
Benzo[a]anthracene	Qua1		1.256	0.8000	1000	1000	0.4	20.0
Chrysene	Qua2		1.267	0.7000	960	1000	-4.0	20.0
Bis(2-ethylhexyl) phthalate	Qua2		1.093	0.0100	1170	1000	17.4	20.0
Di-n-octyl phthalate	Ave	1.324	1.551	0.0100	1170	1000	17.1	20.0
Benzo[b]fluoranthene	Lin2		1.066	0.7000	963	1000	-3.7	20.0
Benzo[k]fluoranthene	Ave	1.342	1.249	0.7000	931	1000	-6.9	20.0
Benzofluoranthene	Ave	1.229	1.123		1830	2000	-8.6	20.0
Benzo[a]pyrene	Lin2		0.9871	0.7000	969	1000	-3.1	20.0
Indeno[1,2,3-cd]pyrene	Lin1		0.9594	0.5000	946	1000	-5.4	20.0
Dibenz(a,h)anthracene	Lin2		0.9697	0.4000	889	1000	-11.1	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Lab Sample ID: CCVIS 580-384146/3 Calibration Date: 03/17/2022 12:48

Instrument ID: TAC051 Calib Start Date: 01/24/2022 17:04

GC Column: ZB-SV ID: 0.25(mm) Calib End Date: 01/24/2022 20:31

Lab File ID: 31722A08.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzo[g,h,i]perylene	Qua1		1.121	0.5000	884	1000	-11.6	20.0
2-Fluorophenol (Surr)	Lin2		0.8610		928	1000	-7.2	20.0
Phenol-d5 (Surr)	Lin1		1.022		992	1000	-0.8	20.0
Nitrobenzene-d5 (Surr)	Ave	0.2380	0.2430		1020	1000	2.1	20.0
2-Fluorobiphenyl	Ave	1.330	1.335		1000	1000	0.4	20.0
2,4,6-Tribromophenol (Surr)	Lin1		0.1507	0.0100	1110	1000	10.9	20.0
Terphenyl-d14	Ave	0.7490	0.8149		1090	1000	8.8	20.0

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220317-81787.b\31722A08.D
Lims ID: ccvis
Client ID:
Sample Type: CCVIS
Inject. Date: 17-Mar-2022 12:48:30 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: CCVIS
Operator ID: TL Instrument ID: TAC051
Sublist: chrom-8270 TAC051*sub34

Method: \\chromfs\Seattle\ChromData\TAC051\20220317-81787.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 17-Mar-2022 16:55:25 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1602

First Level Reviewer: limmere Date: 17-Mar-2022 16:55:25

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.457	4.457	0.000	88	34798	100.0	100.0	
* 2 Naphthalene-d8	136	5.467	5.467	0.000	97	131191	100.0	100.0	
* 3 Acenaphthene-d10	164	6.893	6.893	0.000	87	69484	100.0	100.0	
* 4 Phenanthrene-d10	188	8.111	8.111	0.000	95	106648	100.0	100.0	
* 5 Chrysene-d12	240	10.307	10.307	0.000	58	91126	100.0	100.0	M
* 6 Perylene-d12	264	11.835	11.835	0.000	85	105925	100.0	100.0	
$ 7 2-Fluorophenol	112	3.469	3.469	0.000	88	299595	1000.0	927.6	
$ 8 Phenol-d5	99	4.217	4.217	0.000	98	355702	1000.0	992.2	
$ 9 Nitrobenzene-d5	82	4.895	4.895	0.000	88	318796	1000.0	1020.9	
$ 10 2-methylnaphthalene-d10	152	6.022	6.022	0.000	0	789032	NC	NC	
$ 11 2-Fluorobiphenyl	172	6.354	6.354	0.000	97	927663	1000.0	1004.1	
$ 12 2,4,6-Tribromophenol	330	7.550	7.550	0.000	75	160736	1000.0	1109.3	
$ 13 Fluoranthene-d10 (Surr)	212	9.089	9.089	0.000	0	1135382	NC	NC	
$ 14 Terphenyl-d14	244	9.431	9.431	0.000	99	869093	1000.0	1088.1	
15 1,4-Dioxane	88	2.331	2.331	0.000	1	2427	NC	NC	
16 N-Nitrosodimethylamine	74	2.411	2.411	0.000	70	138913	1000.0	970.6	
17 Pyridine	79	2.422	2.422	0.000	88	503571	2000.0	1990.4	
18 Aniline	93	4.206	4.206	0.000	98	398503	1000.0	913.3	
19 Phenol	94	4.227	4.227	0.000	72	332962	1000.0	952.7	
20 Bis(2-chloroethyl)ether	93	4.259	4.259	0.000	95	286995	1000.0	954.9	
21 2-Chlorophenol	128	4.302	4.302	0.000	86	480285	1000.0	1140.2	
22 n-Decane	57	4.334	4.334	0.000	88	245935	1000.0	894.8	
23 1,3-Dichlorobenzene	146	4.409	4.409	0.000	95	525685	1000.0	1048.0	
25 1,4-Dichlorobenzene	146	4.468	4.468	0.000	97	551145	1000.0	1012.2	
27 1,2-Dichlorobenzene	146	4.585	4.585	0.000	96	519867	1000.0	1019.6	
26 Benzyl alcohol	79	4.585	4.585	0.000	50	188829	1000.0	886.1	
29 2,2'-oxybis[1-chloropropane]	45	4.681	4.681	0.000	74	312684	1000.0	926.0	
28 2-Methylphenol	108	4.687	4.687	0.000	94	313781	1000.0	1074.3	
30 Acetophenone	105	4.783	4.783	0.000	90	460283	1000.0	1044.6	
31 N-Nitrosodi-n-propylamine	70	4.788	4.788	0.000	91	173786	1000.0	1002.1	
32 3 & 4 Methylphenol	108	4.815	4.815	0.000	93	317066	1000.0	1041.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
33 Hexachloroethane	117	4.847	4.847	0.000	91	209116	1000.0	1059.0	
34 Nitrobenzene	77	4.911	4.911	0.000	84	286555	1000.0	971.0	
35 Isophorone	82	5.109	5.109	0.000	94	530609	1000.0	1036.1	
36 2-Nitrophenol	139	5.168	5.168	0.000	89	249554	1000.0	1103.6	
37 2,4-Dimethylphenol	107	5.232	5.232	0.000	91	374054	1000.0	1079.4	
38 Bis(2-chloroethoxy)methane	93	5.290	5.290	0.000	97	330990	1000.0	1030.2	
39 Benzoic acid	105	5.317	5.317	0.000	84	484455	2000.0	1988.1	
40 2,4-Dichlorophenol	162	5.381	5.381	0.000	87	358194	1000.0	1030.7	
41 1,2,4-Trichlorobenzene	180	5.424	5.424	0.000	94	392727	1000.0	978.9	
42 Naphthalene	128	5.488	5.488	0.000	95	1318828	1000.0	1012.5	
43 4-Chloroaniline	127	5.547	5.547	0.000	82	451962	1000.0	985.3	
44 2,6-Dichlorophenol	162	5.552	5.552	0.000	93	358273	1000.0	993.6	
45 Hexachlorobutadiene	225	5.590	5.590	0.000	90	227876	1000.0	957.0	
46 4-Chloro-3-methylphenol	107	5.969	5.969	0.000	88	258687	1000.0	959.2	
47 2-Methylnaphthalene	142	6.049	6.049	0.000	83	896322	1000.0	1048.7	
48 1-Methylnaphthalene	142	6.129	6.129	0.000	86	850249	1000.0	1047.4	
49 Hexachlorocyclopentadiene	237	6.177	6.177	0.000	92	232405	1000.0	948.0	
50 1,2,4,5-Tetrachlorobenzene	216	6.183	6.183	0.000	95	377470	1000.0	1033.7	
52 2,4,6-Trichlorophenol	196	6.295	6.295	0.000	88	236177	1000.0	1056.8	
53 2,4,5-Trichlorophenol	196	6.338	6.338	0.000	94	254651	1000.0	999.9	
54 1,1'-Biphenyl	154	6.434	6.434	0.000	94	1054055	1000.0	1045.7	
55 2-Chloronaphthalene	162	6.444	6.444	0.000	96	827116	1000.0	1044.7	
56 2-Nitroaniline	138	6.546	6.546	0.000	88	264348	1000.0	1177.7	
57 Dimethyl phthalate	163	6.695	6.695	0.000	99	942080	1000.0	1153.8	
58 1,3-Dinitrobenzene	168	6.722	6.722	0.000	62	139860	1000.0	1132.5	
59 2,6-Dinitrotoluene	165	6.744	6.744	0.000	69	218360	1000.0	1075.6	
60 Acenaphthylene	152	6.781	6.781	0.000	90	1286208	1000.0	1102.1	
61 3-Nitroaniline	138	6.888	6.888	0.000	85	203658	1000.0	1038.4	
62 Acenaphthene	153	6.920	6.920	0.000	91	834173	1000.0	1025.9	
63 2,4-Dinitrophenol	184	6.973	6.973	0.000	85	229545	2000.0	2156.9	a
66 Dibenzofuran	168	7.064	7.064	0.000	87	1145149	1000.0	1107.7	
65 2,4-Dinitrotoluene	165	7.075	7.075	0.000	92	271021	1000.0	1039.5	
64 4-Nitrophenol	109	7.080	7.080	0.000	81	218624	2000.0	2393.4	a
51 2,3,5,6-Tetrachlorophenol	232	7.144	7.144	0.000	89	193561	1000.0	1086.1	
67 2,3,4,6-Tetrachlorophenol	232	7.182	7.182	0.000	71	218068	1000.0	1046.3	
68 Diethyl phthalate	149	7.272	7.272	0.000	97	998573	1000.0	1108.7	
69 Fluorene	166	7.347	7.347	0.000	82	952351	1000.0	1157.6	
70 4-Chlorophenyl phenyl ether	204	7.358	7.358	0.000	89	398500	1000.0	1052.3	
71 4-Nitroaniline	138	7.385	7.385	0.000	73	168029	1000.0	912.9	
72 4,6-Dinitro-2-methylphenol	198	7.401	7.401	0.000	84	265307	2000.0	2074.1	
73 N-Nitrosodiphenylamine	169	7.459	7.459	0.000	59	655575	1000.0	1158.0	
74 Azobenzene	77	7.481	7.481	0.000	88	601306	1000.0	1022.2	
75 4-Bromophenyl phenyl ether	248	7.753	7.753	0.000	59	239285	1000.0	1015.1	
76 Hexachlorobenzene	284	7.791	7.791	0.000	85	284519	1000.0	1032.3	
77 Atrazine	200	7.908	7.908	0.000	91	248098	1000.0	1064.0	
78 Pentachlorophenol	266	7.967	7.967	0.000	82	302269	2000.0	2000.3	
79 n-Octadecane	57	8.052	8.052	0.000	89	313778	1000.0	930.3	
80 Phenanthrene	178	8.127	8.127	0.000	97	1245112	1000.0	1040.3	
81 Anthracene	178	8.170	8.170	0.000	97	1272388	1000.0	1024.4	
83 Carbazole	167	8.319	8.319	0.000	81	1043694	1000.0	1097.2	
84 Di-n-butyl phthalate	149	8.619	8.619	0.000	99	1579773	1000.0	1049.9	
85 Fluoranthene	202	9.105	9.105	0.000	96	1311657	1000.0	1029.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
88 Benzidine	184	9.238	9.238	0.000	98	657561	2000.0	2178.2	
89 Pyrene	202	9.286	9.286	0.000	97	1307027	1000.0	996.9	
94 Butyl benzyl phthalate	149	9.847	9.847	0.000	91	722842	1000.0	1100.6	
96 3,3'-Dichlorobenzidine	252	10.296	10.296	0.000	62	763681	2000.0	2075.5	
97 Benzo[a]anthracene	228	10.296	10.296	0.000	98	1144740	1000.0	1004.4	
99 Chrysene	228	10.333	10.333	0.000	92	1154269	1000.0	960.0	
98 Bis(2-ethylhexyl) phthalate	149	10.360	10.360	0.000	76	995707	1000.0	1174.2	M
100 Di-n-octyl phthalate	149	11.023	11.023	0.000	97	1642868	1000.0	1171.4	
101 Benzo[b]fluoranthene	252	11.397	11.397	0.000	92	1129264	1000.0	962.7	
102 Benzofluoranthene	252	11.423	11.423	0.000	1	2378283	2000.0	1827.1	a
103 Benzo[k]fluoranthene	252	11.423	11.423	0.000	96	1323339	1000.0	930.6	
104 Benzo[a]pyrene	252	11.765	11.765	0.000	74	1045543	1000.0	969.0	
105 Indeno[1,2,3-cd]pyrene	276	13.133	13.133	0.000	96	1016285	1000.0	946.2	
106 Dibenz(a,h)anthracene	278	13.170	13.170	0.000	4	1027160	1000.0	889.2	
107 Benzo[g,h,i]perylene	276	13.459	13.459	0.000	91	1186957	1000.0	883.7	

QC Flag Legend

Processing Flags
NC - Not Calibrated
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

ccv_8270_1000_00057 Amount Added: 1.00 Units: mL

Report Date: 17-Mar-2022 16:55:27 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC051\20220317-81787.b\31722A08.D

Injection Date: 17-Mar-2022 12:48:30 Instrument ID: TAC051

Lims ID: ccvis

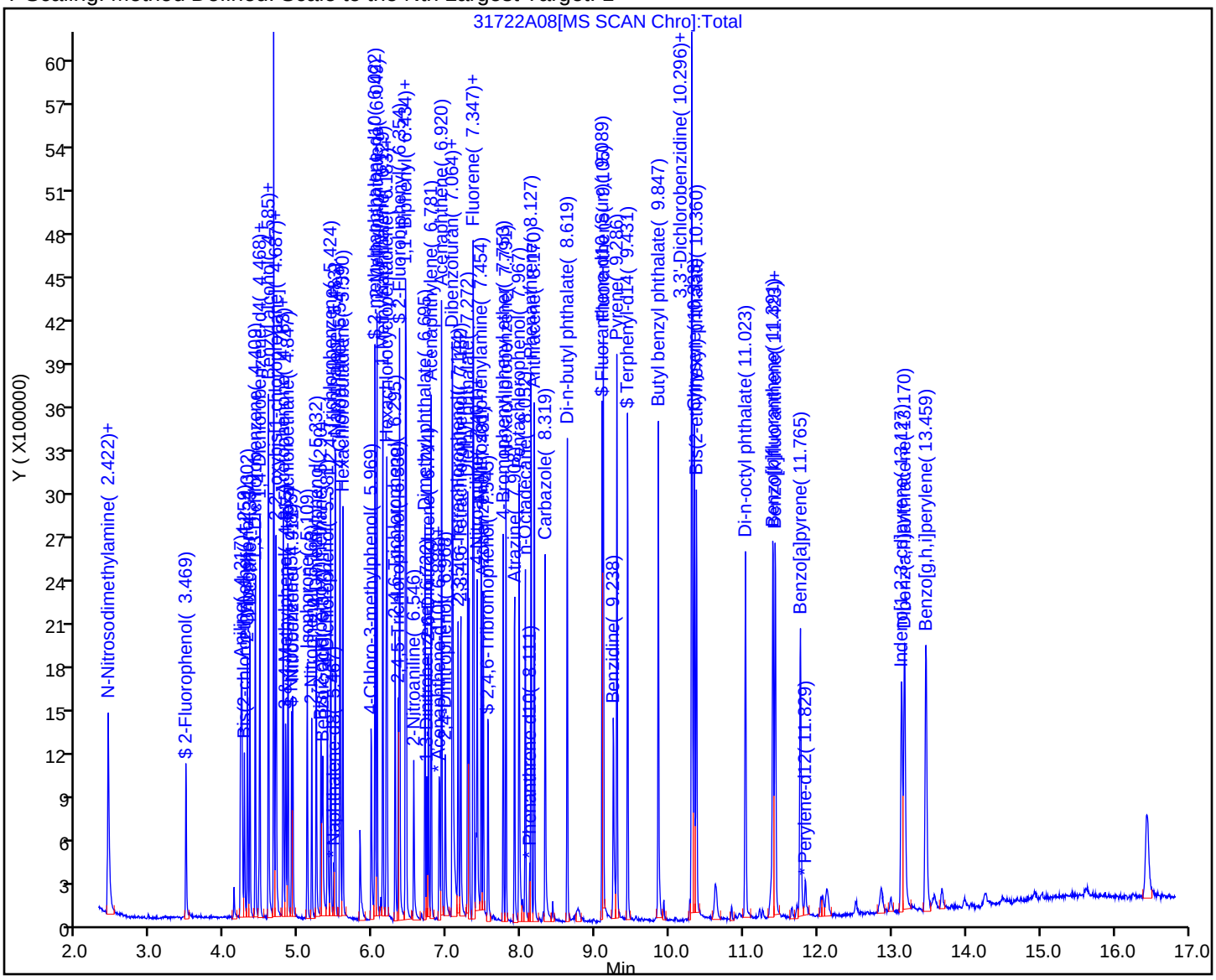
Client ID:

Operator ID: TL ALS Bottle#: 3 Worklist Smp#: 3

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Seattle

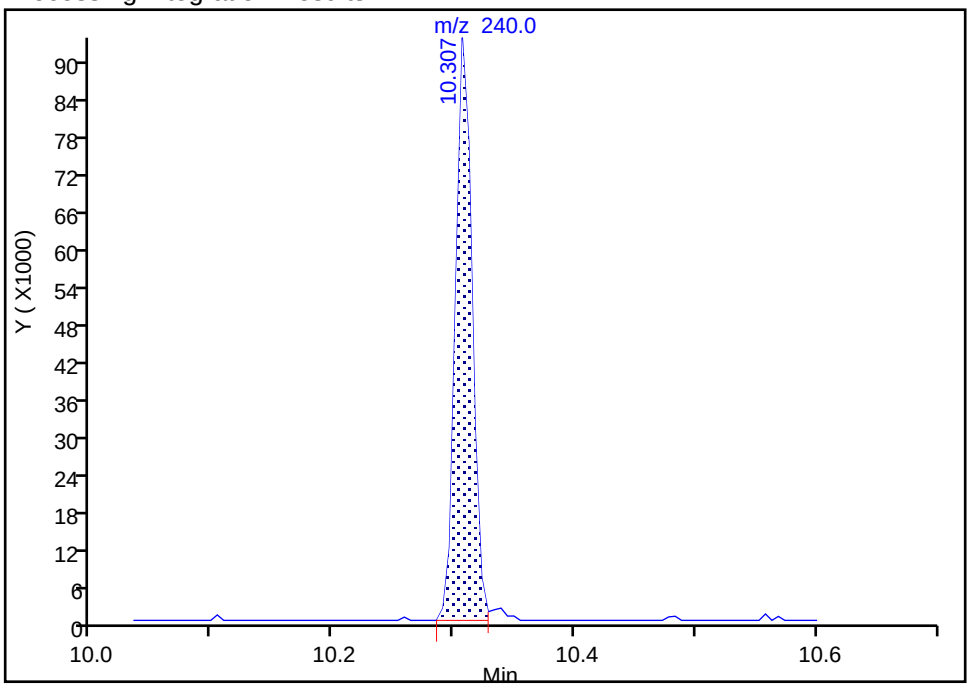
Data File: \\chromfs\Seattle\ChromData\TAC051\20220317-81787.b\31722A08.D
Injection Date: 17-Mar-2022 12:48:30 Instrument ID: TAC051
Lims ID: ccvis
Client ID:
Operator ID: TL ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

* 5 Chrysene-d12, CAS: 1719-03-5

Signal: 1

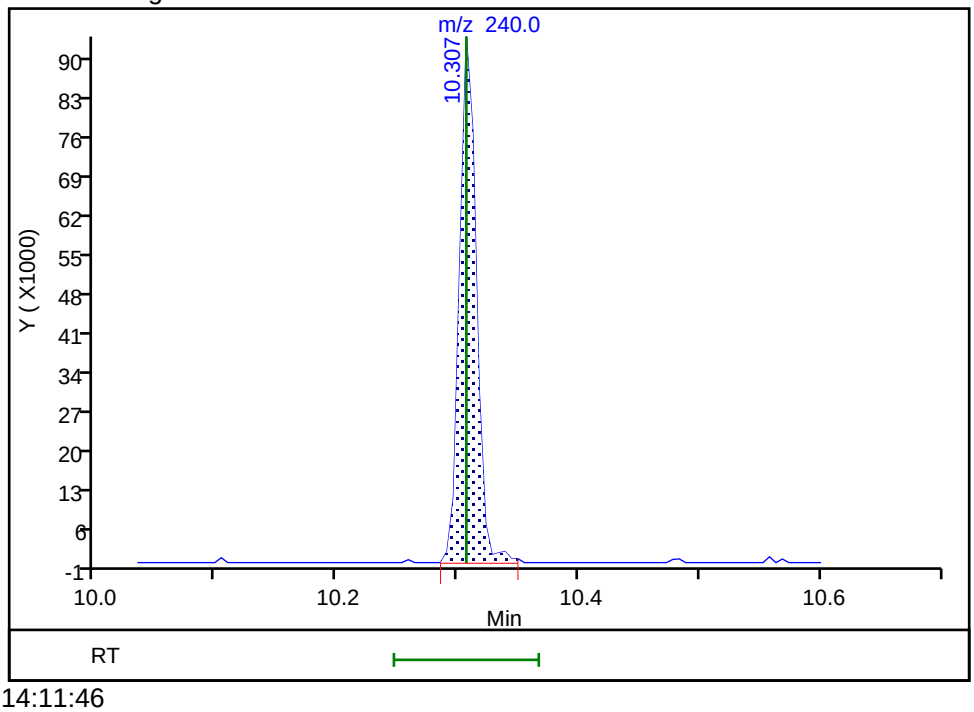
Processing Integration Results

RT: 10.31
Area: 89027
Amount: 100.0000
Amount Units: ug/L



Manual Integration Results

RT: 10.31
Area: 91126
Amount: 100.0000
Amount Units: ug/L



Reviewer: limmere, 17-Mar-2022 14:11:46
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Seattle

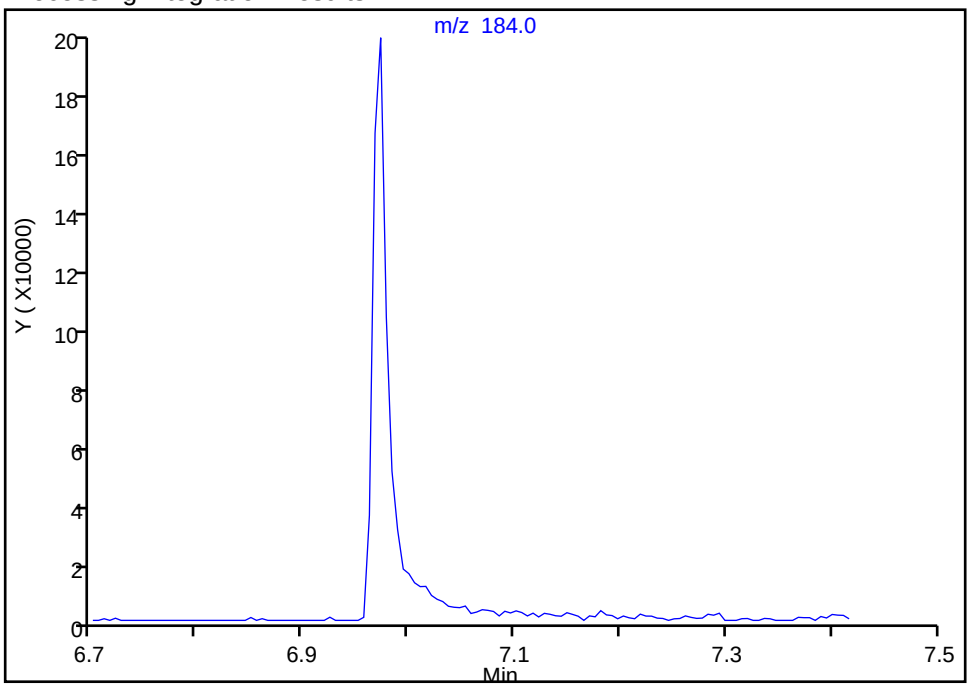
Data File: \\chromfs\Seattle\ChromData\TAC051\20220317-81787.b\31722A08.D
Injection Date: 17-Mar-2022 12:48:30 Instrument ID: TAC051
Lims ID: ccvis
Client ID:
Operator ID: TL ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

63 2,4-Dinitrophenol, CAS: 51-28-5

Signal: 1

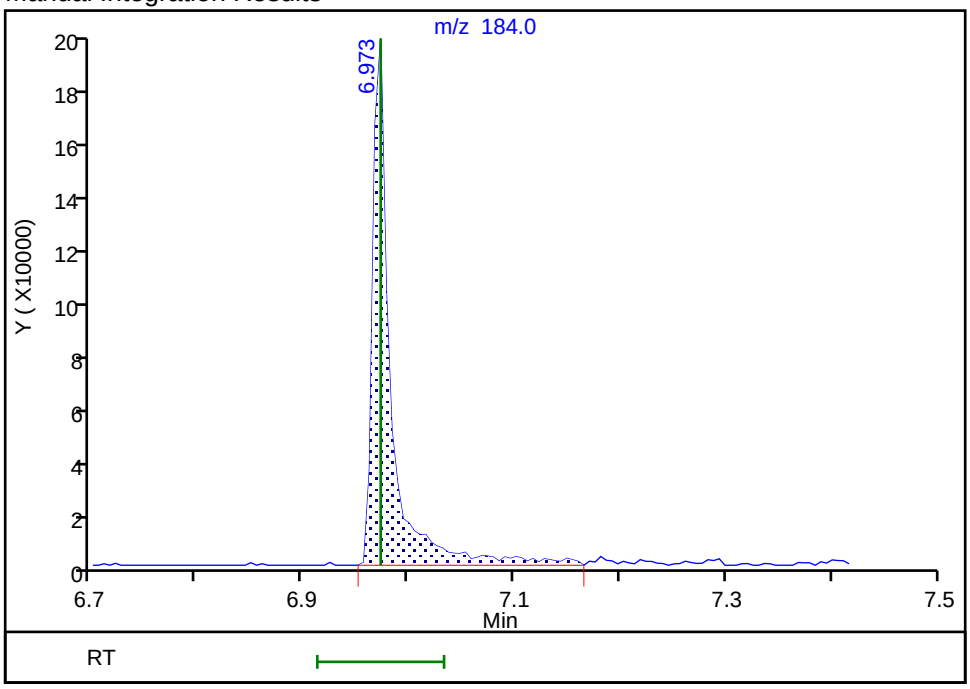
Not Detected
Expected RT: 6.97

Processing Integration Results



Manual Integration Results

RT: 6.97
Area: 229545
Amount: 2156.8825
Amount Units: ug/L



Reviewer: limmere, 17-Mar-2022 14:10:46
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Seattle

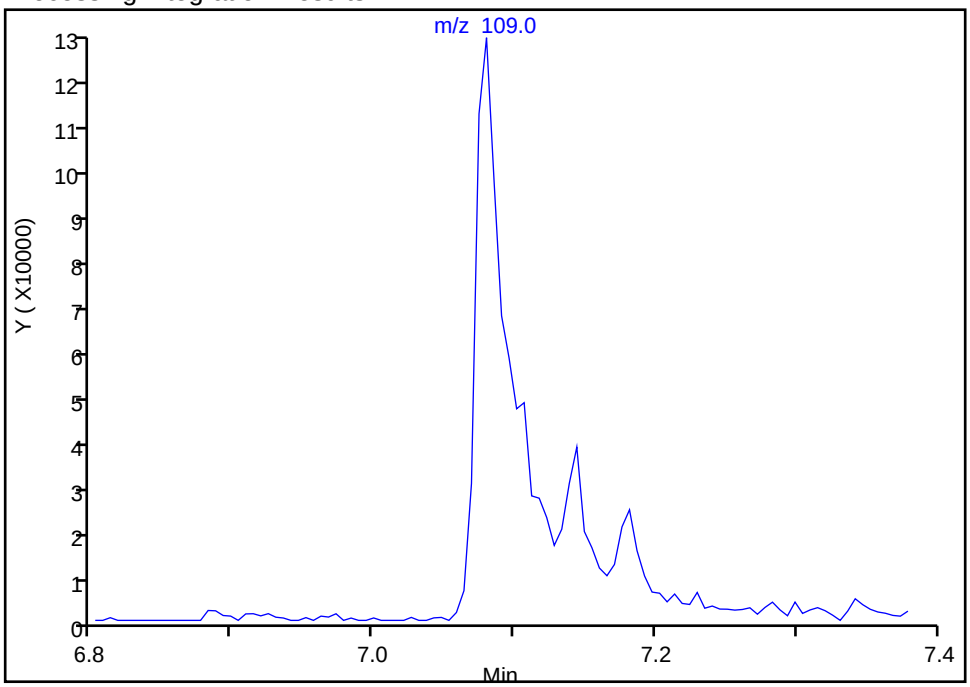
Data File: \\chromfs\Seattle\ChromData\TAC051\20220317-81787.b\31722A08.D
Injection Date: 17-Mar-2022 12:48:30 Instrument ID: TAC051
Lims ID: ccvis
Client ID:
Operator ID: TL ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

64 4-Nitrophenol, CAS: 100-02-7

Signal: 1

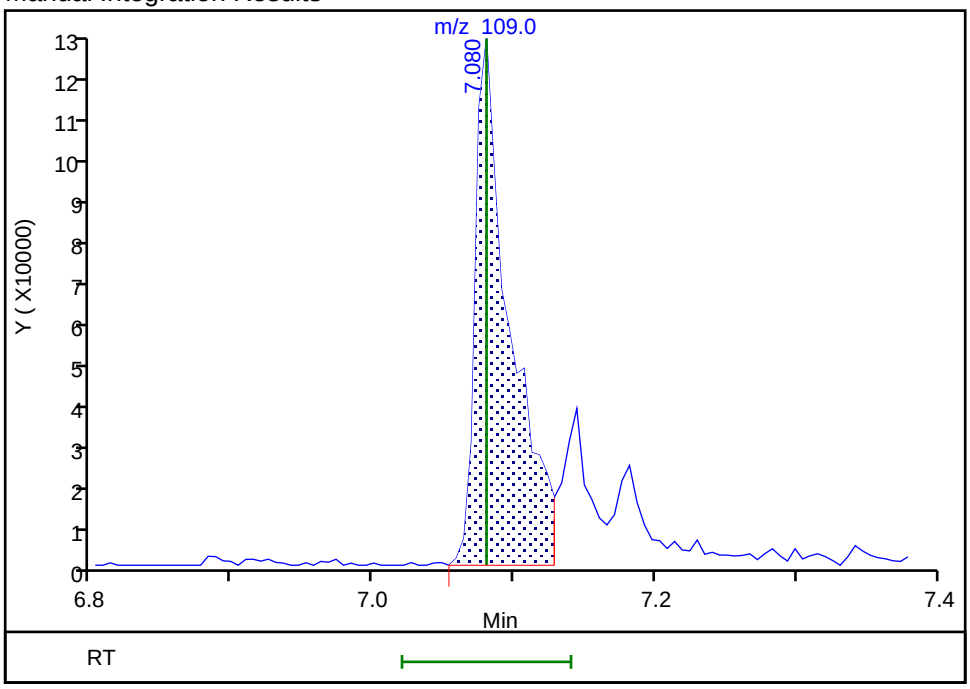
Not Detected
Expected RT: 7.08

Processing Integration Results



Manual Integration Results

RT: 7.08
Area: 218624
Amount: 2393.4443
Amount Units: ug/L



Reviewer: limmere, 17-Mar-2022 14:10:49
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Seattle

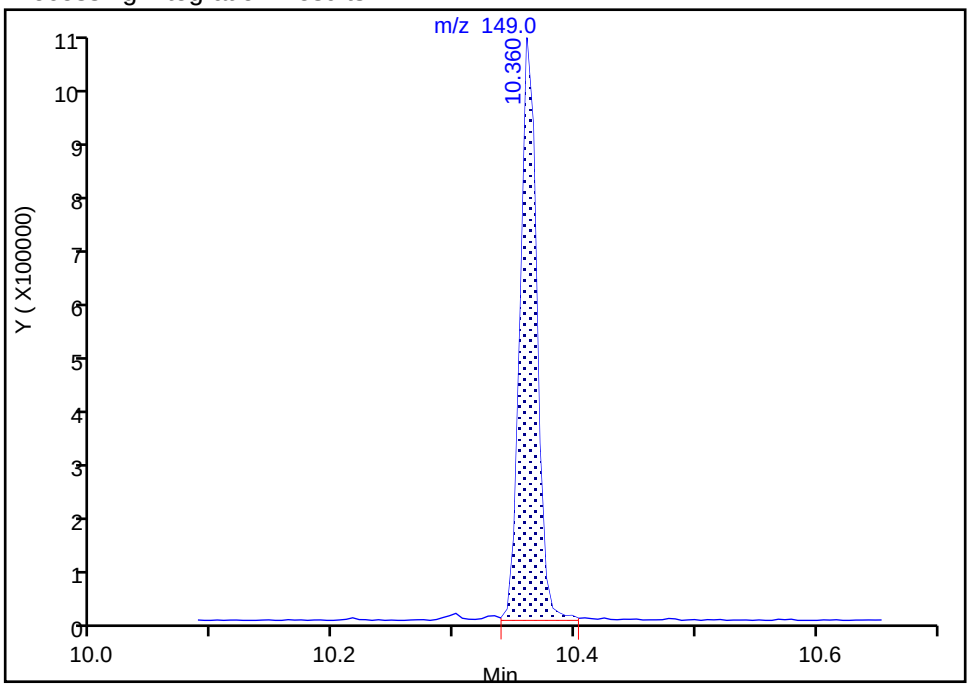
Data File: \\chromfs\Seattle\ChromData\TAC051\20220317-81787.b\31722A08.D
Injection Date: 17-Mar-2022 12:48:30 Instrument ID: TAC051
Lims ID: ccvis
Client ID:
Operator ID: TL ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

98 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7

Signal: 1

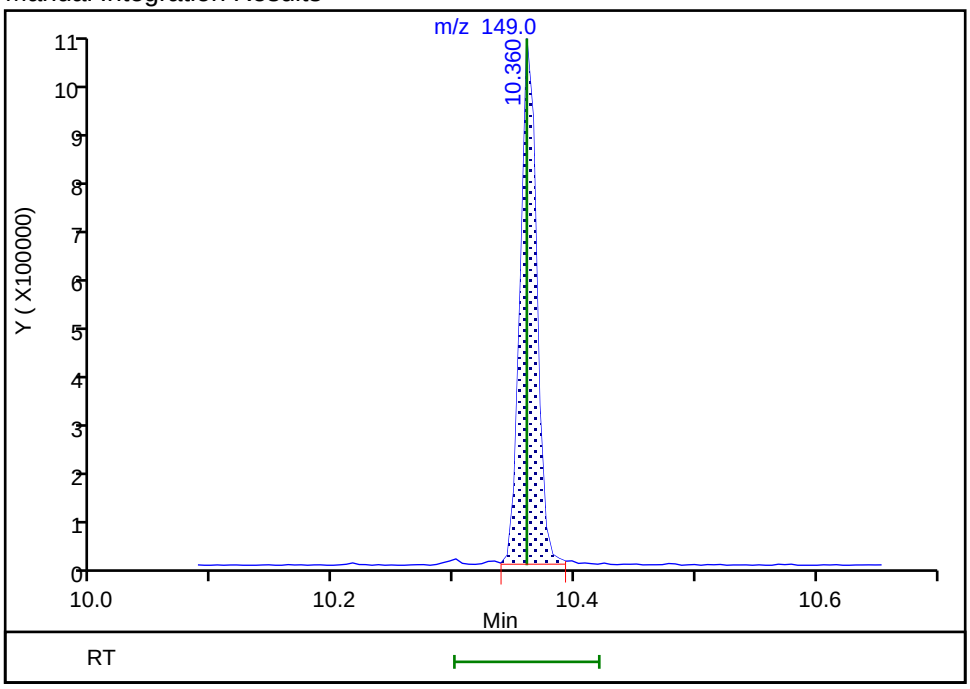
Processing Integration Results

RT: 10.36
Area: 1007391
Amount: 1215.1400
Amount Units: ug/L



Manual Integration Results

RT: 10.36
Area: 995707
Amount: 1174.1914
Amount Units: ug/L



Reviewer: limmere, 17-Mar-2022 14:11:28
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Seattle

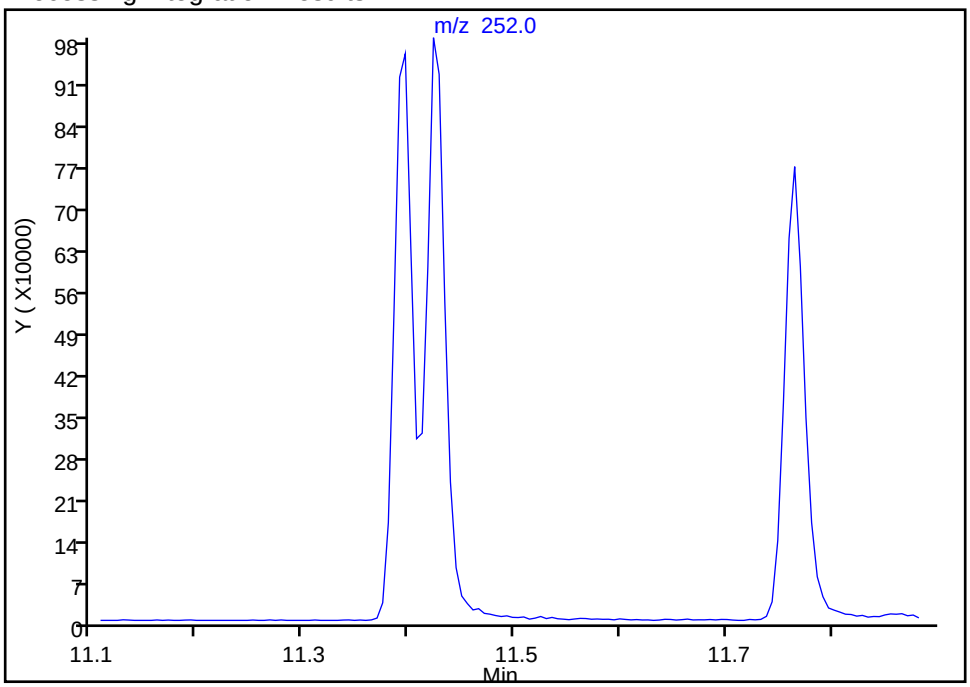
Data File:	\\chromfs\Seattle\ChromData\TAC051\20220317-81787.b\31722A08.D				
Injection Date:	17-Mar-2022 12:48:30	Instrument ID:	TAC051		
Lims ID:	ccvis				
Client ID:					
Operator ID:	TL	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270 TAC051	Limit Group:	8270D BNA QSM 5.0		
Column:		Detector	MS SCAN		

102 Benzofluoranthene, CAS: 56832-73-6

Signal: 1

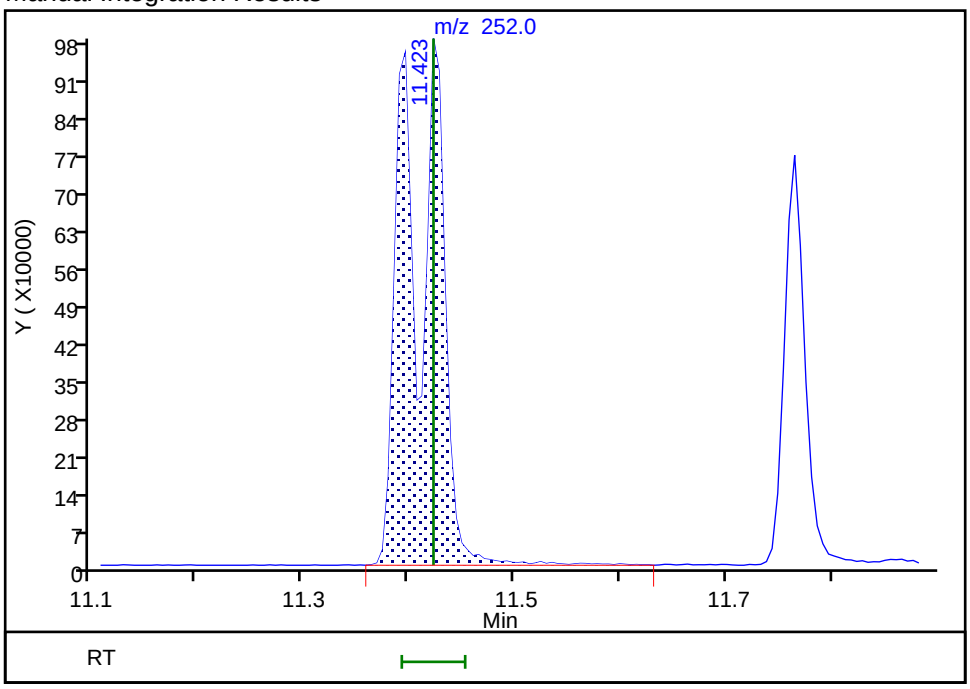
Not Detected
Expected RT: 11.42

Processing Integration Results



Manual Integration Results

RT: 11.42
Area: 2378283
Amount: 1827.0918
Amount Units: ug/L



Reviewer: limmere, 17-Mar-2022 14:10:56
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Seattle | Job No.: 580-111294-1

SDG No.:

Lab Sample ID: CCVC 580-384146/21 | Calibration Date: 03/17/2022 21:21

Instrument ID: TAC051 | Calib Start Date: 01/24/2022 17:04

GC Column: ZB-SV ID: 0.25(mm) | Calib End Date: 01/24/2022 20:31

Lab File ID: 31722A30.D | Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Nitrosodimethylamine	Lin1		0.4000	0.0100	973	1000	-2.7	50.0
Pyridine	Lin2		0.6562	0.0100	1810	2000	-9.5	50.0
Aniline	Lin1		1.082	0.0100	863	1000	-13.7	50.0
Phenol	Ave	1.004	0.8734	0.8000	870	1000	-13.0	50.0
Bis(2-chloroethyl)ether	Ave	0.8637	0.7822	0.7000	906	1000	-9.4	50.0
2-Chlorophenol	Ave	1.210	1.305	0.8000	1080	1000	7.8	50.0
n-Decane	Ave	0.7898	0.7083		897	1000	-10.3	50.0
1,3-Dichlorobenzene	Ave	1.441	1.519	0.0100	1050	1000	5.4	50.0
1,4-Dichlorobenzene	Ave	1.565	1.518	0.0100	970	1000	-3.0	50.0
1,2-Dichlorobenzene	Ave	1.465	1.434	0.0100	979	1000	-2.1	50.0
Benzyl alcohol	Lin2		0.5440	0.0100	888	1000	-11.2	50.0
bis (2-chloroisopropyl) ether	Ave	0.9704	0.8895	0.0100	917	1000	-8.3	50.0
o-Cresol	Ave	0.8394	0.8358	0.7000	996	1000	-0.4	50.0
Acetophenone	Ave	1.266	1.252	0.0100	988	1000	-1.2	50.0
N-Nitrosodi-n-propylamine	Ave	0.4984	0.4845*	0.5000	972	1000	-2.8	50.0
m+p-Cresol	Lin2		0.8965	0.6000	1020	1000	2.5	50.0
Hexachloroethane	Ave	0.5675	0.5998	0.3000	1060	1000	5.7	50.0
Nitrobenzene	Lin2		0.8107	0.2000	956	1000	-4.4	50.0
Isophorone	Ave	1.472	1.527	0.4000	1040	1000	3.7	50.0
2-Nitrophenol	Lin2		0.1720	0.1000	999	1000	-0.1	50.0
2,4-Dimethylphenol	Lin1		1.036	0.2000	1040	1000	4.0	50.0
Bis(2-chloroethoxy)methane	Ave	0.9233	0.9266	0.3000	1000	1000	0.4	50.0
Benzoic acid	Lin1		0.1609	0.0100	1780	2000	-11.2	50.0
2,4-Dichlorophenol	Lin1		0.2697	0.2000	1020	1000	1.8	50.0
1,2,4-Trichlorobenzene	Ave	0.3058	0.2838	0.0100	928	1000	-7.2	50.0
Naphthalene	Qua2		0.9699	0.7000	975	1000	-2.5	50.0
4-Chloroaniline	Lin1		0.2983	0.0100	856	1000	-14.4	50.0
2,6-Dichlorophenol	Qua1		0.4770	0.0100	919	1000	-8.1	50.0
Hexachlorobutadiene	Ave	0.1815	0.1689	0.0100	931	1000	-6.9	50.0
4-Chloro-3-methylphenol	Lin2		0.3779	0.2000	973	1000	-2.7	50.0
2-Methylnaphthalene	Ave	0.6515	0.6485	0.4000	995	1000	-0.5	50.0
1-Methylnaphthalene	Ave	0.6188	0.6240	0.0100	1010	1000	0.8	50.0
Hexachlorocyclopentadiene	Ave	0.3528	0.2073	0.0500	588	1000	-41.2	50.0
1,2,4,5-Tetrachlorobenzene	Qua		0.4847		920	1000	-8.0	50.0
2,4,6-Trichlorophenol	Lin2		0.3035	0.2000	947	1000	-5.3	50.0
2,4,5-Trichlorophenol	Lin1		0.3333	0.2000	913	1000	-8.7	50.0
1,1'-Biphenyl	Ave	1.451	1.377	0.0100	949	1000	-5.1	50.0
2-Chloronaphthalene	Ave	1.139	1.049	0.8000	921	1000	-7.9	50.0
2-Nitroaniline	Qua2		0.3361	0.0100	1050	1000	5.0	50.0
Dimethyl phthalate	Lin1		1.241	0.0100	1060	1000	5.6	50.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Lab Sample ID: CCVC 580-384146/21 Calibration Date: 03/17/2022 21:21

Instrument ID: TAC051 Calib Start Date: 01/24/2022 17:04

GC Column: ZB-SV ID: 0.25(mm) Calib End Date: 01/24/2022 20:31

Lab File ID: 31722A30.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,6-Dinitrotoluene	Lin1		0.2986	0.2000	1020	1000	2.4	50.0
Acenaphthylene	Qua2		1.691	0.9000	1000	1000	0.5	50.0
3-Nitroaniline	Lin2		0.2498	0.0100	896	1000	-10.4	50.0
Acenaphthene	Ave	1.170	1.121	0.9000	958	1000	-4.2	50.0
2,4-Dinitrophenol	Lin1		0.0181	0.0100	1600	2000	-69.2*	50.0
Dibenzofuran	Ave	1.488	1.555	0.8000	1050	1000	4.5	50.0
2,4-Dinitrotoluene	Lin2		0.3579	0.2000	959	1000	-4.1	50.0
4-Nitrophenol	Lin1		0.1361	0.0100	2180	2000	8.8	50.0
2,3,5,6-Tetrachlorophenol	Lin2		0.2449	0.0100	960	1000	-4.0	50.0
2,3,4,6-Tetrachlorophenol	Lin2		0.2889	0.0100	965	1000	-3.5	50.0
Diethyl phthalate	Ave	1.296	1.353	0.0100	1040	1000	4.4	50.0
Fluorene	Ave	1.184	1.278	0.9000	1080	1000	8.0	50.0
4-Chlorophenyl phenyl ether	Ave	0.5450	0.5368	0.4000	985	1000	-1.5	50.0
4-Nitroaniline	Lin1		0.2436	0.0100	919	1000	-8.1	50.0
4,6-Dinitro-2-methylphenol	Lin1		0.0309	0.0100	652	2000	-67.4*	50.0
N-Nitrosodiphenylamine	Ave	0.5309	0.5973	0.0100	1130	1000	12.5	50.0
Azobenzene	Lin2		0.5372		974	1000	-2.6	50.0
4-Bromophenyl phenyl ether	Qua2		0.2204	0.1000	997	1000	-0.3	50.0
Hexachlorobenzene	Ave	0.2584	0.2576	0.1000	997	1000	-0.3	50.0
Atrazine	Lin2		0.3541	0.0100	1060	1000	5.5	50.0
Pentachlorophenol	Lin2		0.1335	0.0500	1890	2000	-5.4	50.0
n-Octadecane	Qua1		0.2971		940	1000	-6.0	50.0
Phenanthrene	Qua2		1.095	0.7000	973	1000	-2.7	50.0
Anthracene	Qua1		1.127	0.7000	966	1000	-3.4	50.0
Carbazole	Qua1		1.057	0.0100	1190	1000	18.8	50.0
Di-n-butyl phthalate	Qua1		1.434	0.0100	1010	1000	1.5	50.0
Fluoranthene	Qua1		1.188	0.6000	993	1000	-0.7	50.0
Benzidine	Lin1		0.2010	0.0100	1450	2000	-27.5	50.0
Pyrene	Qua1		1.209	0.6000	983	1000	-1.7	50.0
Butyl benzyl phthalate	Qua1		0.7291	0.0100	1010	1000	1.1	50.0
3,3'-Dichlorobenzidine	Qua1		0.4311	0.0100	2140	2000	6.8	50.0
Benzo[a]anthracene	Qua1		1.205	0.8000	963	1000	-3.7	50.0
Chrysene	Qua2		1.225	0.7000	927	1000	-7.3	50.0
Bis(2-ethylhexyl) phthalate	Qua2		1.051	0.0100	1130	1000	13.0	50.0
Di-n-octyl phthalate	Ave	1.324	1.733	0.0100	1310	1000	30.9	50.0
Benzo[b]fluoranthene	Lin2		1.208	0.7000	1090	1000	9.0	50.0
Benzo[k]fluoranthene	Ave	1.342	1.338	0.7000	997	1000	-0.3	50.0
Benzofluoranthene	Ave	1.229	1.244		2020	2000	1.2	50.0
Benzo[a]pyrene	Lin2		1.024	0.7000	1000	1000	0.5	50.0
Indeno[1,2,3-cd]pyrene	Lin1		0.7108	0.5000	703	1000	-29.7	50.0
Dibenz(a,h)anthracene	Lin2		0.7641	0.4000	704	1000	-29.6	50.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Lab Sample ID: CCVC 580-384146/21 Calibration Date: 03/17/2022 21:21

Instrument ID: TAC051 Calib Start Date: 01/24/2022 17:04

GC Column: ZB-SV ID: 0.25(mm) Calib End Date: 01/24/2022 20:31

Lab File ID: 31722A30.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzo[g,h,i]perylene	Qua1		0.8034	0.5000	631	1000	-36.9	50.0
2-Fluorophenol (Surr)	Lin2		0.8677		935	1000	-6.5	50.0
Phenol-d5 (Surr)	Lin1		1.012		982	1000	-1.8	50.0
Nitrobenzene-d5 (Surr)	Ave	0.2380	0.2254		947	1000	-5.3	50.0
2-Fluorobiphenyl	Ave	1.330	1.267		953	1000	-4.7	50.0
2,4,6-Tribromophenol (Surr)	Lin1		0.1412	0.0100	1040	1000	4.2	50.0
Terphenyl-d14	Ave	0.7490	0.7826		1040	1000	4.5	50.0

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220317-81787.b\31722A30.D
Lims ID: ccvc
Client ID:
Sample Type: CCVC
Inject. Date: 17-Mar-2022 21:21:30 ALS Bottle#: 3 Worklist Smp#: 21
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: CCVC
Operator ID: TL Instrument ID: TAC051
Sublist: chrom-8270 TAC051*sub34

Method: \\chromfs\Seattle\ChromData\TAC051\20220317-81787.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 18-Mar-2022 10:47:30 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1651

First Level Reviewer: limmere Date: 18-Mar-2022 10:47:30

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.452	4.457	-0.005	87	33340	100.0	100.0	
* 2 Naphthalene-d8	136	5.467	5.467	0.000	96	128740	100.0	100.0	
* 3 Acenaphthene-d10	164	6.893	6.893	0.000	89	70452	100.0	100.0	
* 4 Phenanthrene-d10	188	8.106	8.111	-0.005	93	105840	100.0	100.0	
* 5 Chrysene-d12	240	10.307	10.307	0.000	70	94779	100.0	100.0	
* 6 Perylene-d12	264	11.829	11.835	-0.006	92	96787	100.0	100.0	
$ 7 2-Fluorophenol	112	3.469	3.474	0.000	86	289292	1000.0	934.8	
$ 8 Phenol-d5	99	4.222	4.225	0.005	98	337300	1000.0	982.0	
$ 9 Nitrobenzene-d5	82	4.895	4.895	0.000	85	290137	1000.0	946.8	
$ 10 2-methylnaphthalene-d10	152	6.022	6.022	0.000	0	740532	NC	NC	
$ 11 2-Fluorobiphenyl	172	6.353	6.353	-0.001	99	892700	1000.0	952.9	
$ 12 2,4,6-Tribromophenol	330	7.550	7.552	0.000	79	149438	1000.0	1041.6	
$ 13 Fluoranthene-d10 (Surr)	212	9.089	9.083	0.000	0	1123367	NC	NC	
$ 14 Terphenyl-d14	244	9.430	9.424	-0.001	99	828343	1000.0	1045.0	
15 1,4-Dioxane	88	2.325	2.328	-0.006	22	905	NC	NC	
16 N-Nitrosodimethylamine	74	2.406	2.411	-0.005	67	133362	1000.0	972.5	
17 Pyridine	79	2.411	2.422	-0.011	90	437532	2000.0	1810.1	
18 Aniline	93	4.206	4.201	0.000	98	360673	1000.0	863.0	
19 Phenol	94	4.227	4.222	0.000	96	291198	1000.0	869.6	
20 Bis(2-chloroethyl)ether	93	4.259	4.257	0.000	93	260781	1000.0	905.6	
21 2-Chlorophenol	128	4.302	4.300	0.000	90	435218	1000.0	1078.4	
22 n-Decane	57	4.329	4.329	-0.005	89	236146	1000.0	896.8	
23 1,3-Dichlorobenzene	146	4.404	4.409	-0.005	97	506512	1000.0	1054.0	
25 1,4-Dichlorobenzene	146	4.468	4.467	0.000	97	506110	1000.0	970.2	
27 1,2-Dichlorobenzene	146	4.580	4.585	-0.005	96	478260	1000.0	979.0	
26 Benzyl alcohol	79	4.580	4.580	-0.005	55	181373	1000.0	888.3	
29 2,2'-oxybis[1-chloropropane]	45	4.681	4.676	0.000	75	296569	1000.0	916.7	
28 2-Methylphenol	108	4.692	4.684	0.005	91	278645	1000.0	995.7	
30 Acetophenone	105	4.777	4.777	-0.006	95	417295	1000.0	988.5	
31 N-Nitrosodi-n-propylamine	70	4.783	4.786	-0.005	86	161523	1000.0	972.1	
32 3 & 4 Methylphenol	108	4.820	4.815	0.005	97	298904	1000.0	1024.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
33 Hexachloroethane	117	4.847	4.845	0.000	91	199989	1000.0	1057.1	
34 Nitrobenzene	77	4.911	4.911	0.000	81	270273	1000.0	956.0	
35 Isophorone	82	5.103	5.109	-0.006	93	509024	1000.0	1037.4	
36 2-Nitrophenol	139	5.167	5.167	-0.001	86	221431	1000.0	998.5	
37 2,4-Dimethylphenol	107	5.232	5.235	0.000	93	345322	1000.0	1040.2	
38 Bis(2-chloroethoxy)methane	93	5.290	5.290	0.000	95	308936	1000.0	1003.6	
39 Benzoic acid	105	5.317	5.320	0.000	81	414210	2000.0	1775.3	
40 2,4-Dichlorophenol	162	5.381	5.381	0.000	87	347181	1000.0	1018.2	
41 1,2,4-Trichlorobenzene	180	5.424	5.427	0.000	93	365388	1000.0	928.1	
42 Naphthalene	128	5.483	5.488	-0.005	96	1248661	1000.0	975.5	
43 4-Chloroaniline	127	5.547	5.546	0.000	90	383991	1000.0	856.3	
44 2,6-Dichlorophenol	162	5.552	5.556	0.000	94	336064	1000.0	919.1	
45 Hexachlorobutadiene	225	5.589	5.589	-0.001	91	217444	1000.0	930.6	
46 4-Chloro-3-methylphenol	107	5.974	5.969	0.005	89	266245	1000.0	973.1	
47 2-Methylnaphthalene	142	6.049	6.049	0.000	83	834911	1000.0	995.5	
48 1-Methylnaphthalene	142	6.124	6.132	-0.005	90	803322	1000.0	1008.5	
49 Hexachlorocyclopentadiene	237	6.172	6.182	-0.005	92	146076	1000.0	587.7	
50 1,2,4,5-Tetrachlorobenzene	216	6.182	6.185	-0.001	95	341478	1000.0	920.4	
52 2,4,6-Trichlorophenol	196	6.295	6.299	0.000	86	213845	1000.0	947.0	
53 2,4,5-Trichlorophenol	196	6.343	6.342	0.005	93	234819	1000.0	913.4	
54 1,1'-Biphenyl	154	6.434	6.437	0.000	94	970448	1000.0	949.5	
55 2-Chloronaphthalene	162	6.444	6.449	0.000	96	739290	1000.0	921.0	
56 2-Nitroaniline	138	6.546	6.551	0.000	91	236819	1000.0	1049.8	
57 Dimethyl phthalate	163	6.695	6.695	0.000	98	874311	1000.0	1055.8	
58 1,3-Dinitrobenzene	168	6.722	6.727	0.000	69	125444	1000.0	1016.6	
59 2,6-Dinitrotoluene	165	6.743	6.743	-0.001	66	210381	1000.0	1023.7	
60 Acenaphthylene	152	6.775	6.781	-0.006	95	1191290	1000.0	1004.5	
61 3-Nitroaniline	138	6.888	6.893	0.000	88	175994	1000.0	895.8	
62 Acenaphthene	153	6.920	6.919	0.000	92	790030	1000.0	958.2	
63 2,4-Dinitrophenol	184	6.984	6.984	0.011	61	25456	2000.0	616.8	a
66 Dibenzofuran	168	7.064	7.066	0.000	87	1095664	1000.0	1045.3	
65 2,4-Dinitrotoluene	165	7.069	7.080	-0.006	68	252167	1000.0	958.8	
64 4-Nitrophenol	109	7.091	7.080	0.011	8	191716	2000.0	2176.1	
51 2,3,5,6-Tetrachlorophenol	232	7.144	7.149	0.000	83	172557	1000.0	959.9	
67 2,3,4,6-Tetrachlorophenol	232	7.181	7.187	-0.001	72	203531	1000.0	965.2	
68 Diethyl phthalate	149	7.272	7.272	0.000	97	953378	1000.0	1044.0	
69 Fluorene	166	7.342	7.352	-0.005	92	900641	1000.0	1079.7	
70 4-Chlorophenyl phenyl ether	204	7.352	7.363	-0.006	92	378218	1000.0	985.0	
71 4-Nitroaniline	138	7.390	7.384	0.005	85	171624	1000.0	919.1	
72 4,6-Dinitro-2-methylphenol	198	7.406	7.403	0.005	47	65356	2000.0	651.7	
73 N-Nitrosodiphenylamine	169	7.454	7.459	-0.005	60	632227	1000.0	1125.2	
74 Azobenzene	77	7.481	7.476	0.000	92	568556	1000.0	974.1	
75 4-Bromophenyl phenyl ether	248	7.753	7.753	0.000	56	233223	1000.0	996.9	
76 Hexachlorobenzene	284	7.790	7.790	-0.001	82	272634	1000.0	996.7	
77 Atrazine	200	7.903	7.914	-0.005	93	249472	1000.0	1055.4	
78 Pentachlorophenol	266	7.967	7.966	0.000	82	282487	2000.0	1892.1	
79 n-Octadecane	57	8.047	8.047	-0.005	90	314499	1000.0	939.7	
80 Phenanthrene	178	8.127	8.122	0.000	96	1158810	1000.0	973.3	
81 Anthracene	178	8.170	8.164	0.000	96	1192875	1000.0	965.9	
83 Carbazole	167	8.319	8.314	0.000	85	1118749	1000.0	1187.5	
84 Di-n-butyl phthalate	149	8.613	8.613	-0.006	99	1517900	1000.0	1014.9	
85 Fluoranthene	202	9.099	9.099	-0.006	96	1257351	1000.0	993.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
88 Benzidine	184	9.238	9.232	0.000	97	425470	2000.0	1450.5	
89 Pyrene	202	9.286	9.280	0.000	98	1279290	1000.0	982.6	
94 Butyl benzyl phthalate	149	9.842	9.847	-0.005	94	691027	1000.0	1010.9	
97 Benzo[a]anthracene	228	10.296	10.296	0.000	98	1141882	1000.0	962.6	
96 3,3'-Dichlorobenzidine	252	10.296	10.296	0.000	60	817257	2000.0	2135.5	
99 Chrysene	228	10.328	10.328	-0.005	93	1161418	1000.0	927.3	
98 Bis(2-ethylhexyl) phthalate	149	10.360	10.360	0.000	76	996191	1000.0	1130.3	
100 Di-n-octyl phthalate	149	11.017	11.017	-0.006	97	1677790	1000.0	1309.3	
101 Benzo[b]fluoranthene	252	11.391	11.391	-0.005	94	1169124	1000.0	1090.4	
102 Benzofluoranthene	252	11.423	11.423	0.000	1	2408268	2000.0	2024.8	a
103 Benzo[k]fluoranthene	252	11.423	11.418	0.000	99	1295265	1000.0	996.9	
104 Benzo[a]pyrene	252	11.760	11.760	-0.005	74	990755	1000.0	1004.8	
105 Indeno[1,2,3-cd]pyrene	276	13.127	13.130	-0.006	87	687941	1000.0	703.5	
106 Dibenz(a,h)anthracene	278	13.165	13.170	-0.005	1	739518	1000.0	703.6	
107 Benzo[g,h,i]perylene	276	13.453	13.453	-0.006	91	777605	1000.0	631.2	M

QC Flag Legend

Processing Flags
NC - Not Calibrated
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

ccv_8270_1000_00057 Amount Added: 1.00 Units: mL

Report Date: 18-Mar-2022 10:47:31 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC051\20220317-81787.b\31722A30.D

Injection Date: 17-Mar-2022 21:21:30 Instrument ID: TAC051

Lims ID: ccvc

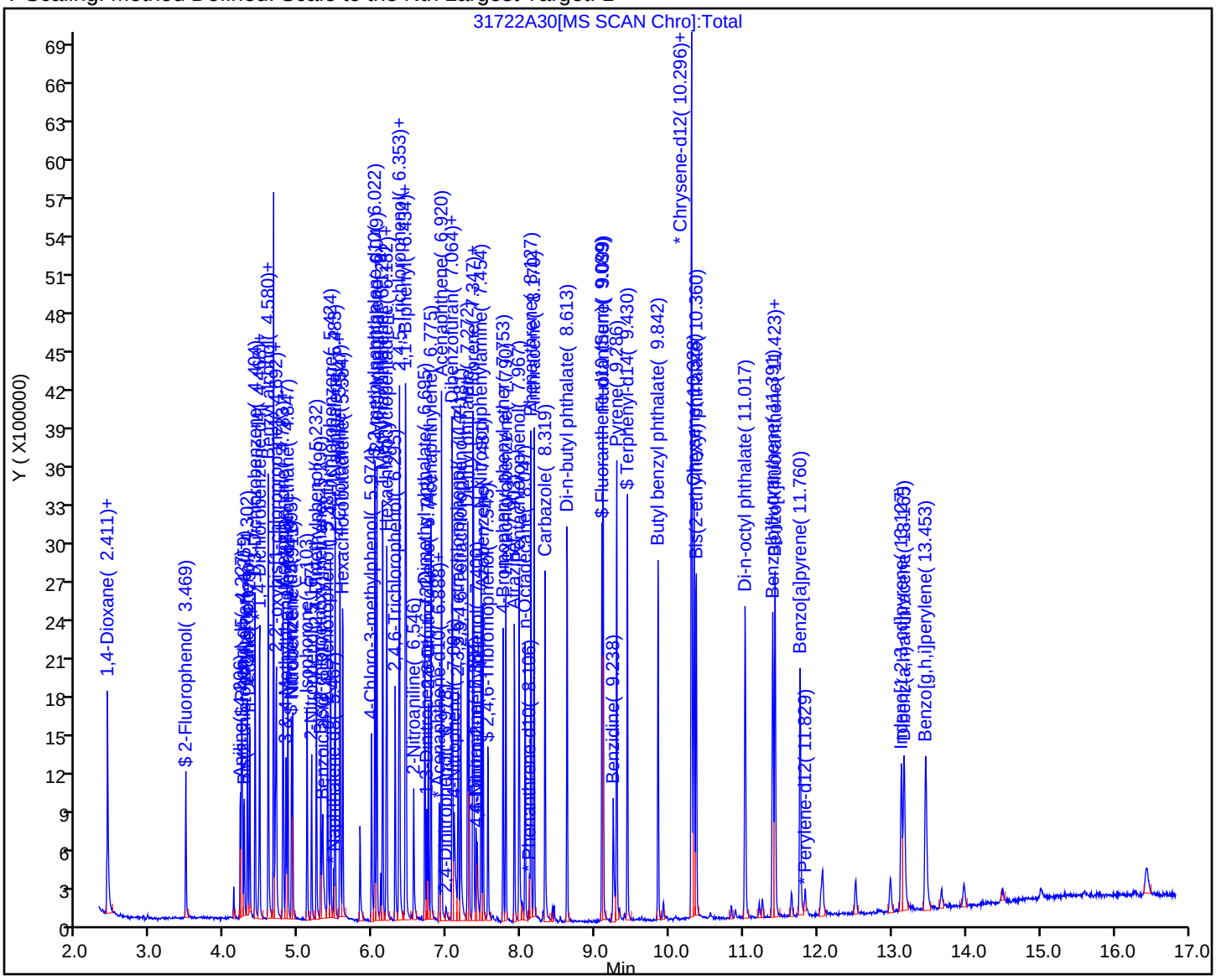
Client ID:

Operator ID: TL ALS Bottle#: 3 Worklist Smp#: 21

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Seattle

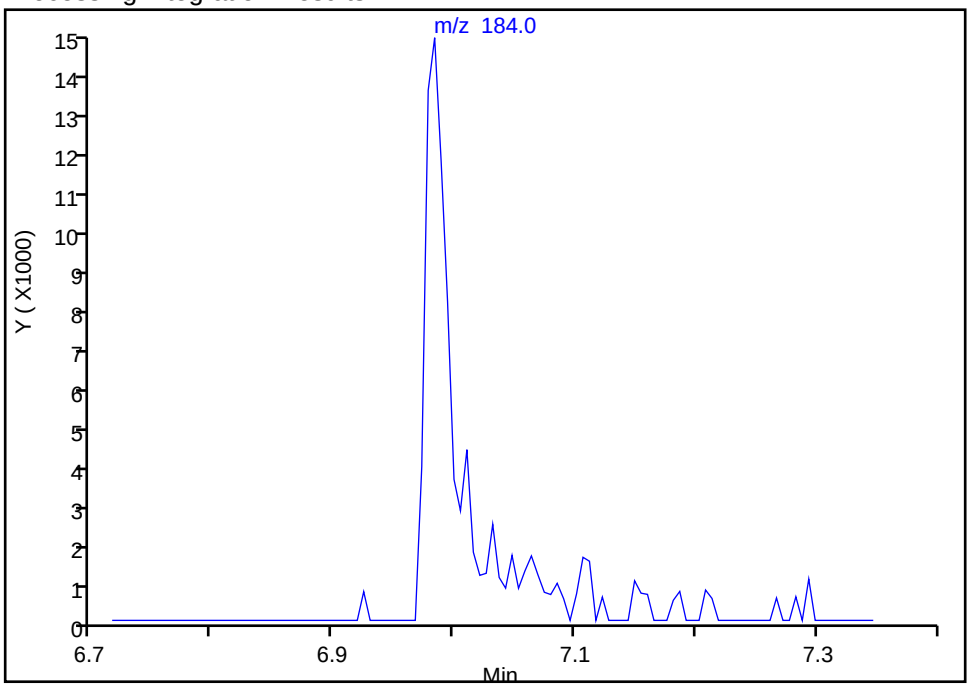
Data File: \\chromfs\Seattle\ChromData\TAC051\20220317-81787.b\31722A30.D
Injection Date: 17-Mar-2022 21:21:30 Instrument ID: TAC051
Lims ID: ccvc
Client ID:
Operator ID: TL ALS Bottle#: 3 Worklist Smp#: 21
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

63 2,4-Dinitrophenol, CAS: 51-28-5

Signal: 1

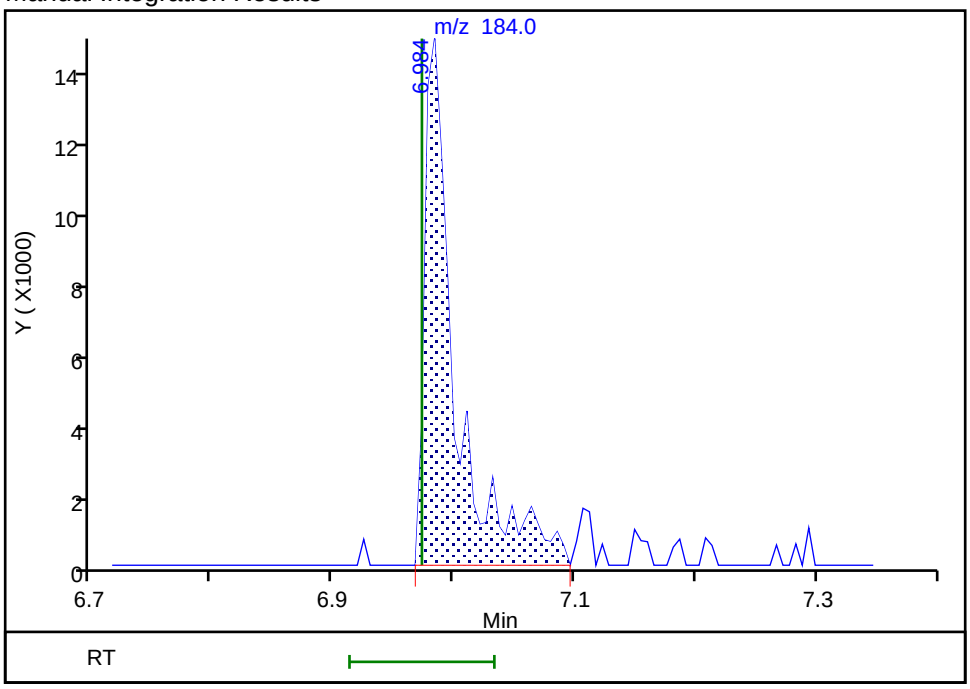
Not Detected
Expected RT: 6.97

Processing Integration Results



Manual Integration Results

RT: 6.98
Area: 25456
Amount: 616.8104
Amount Units: ug/L



Reviewer: limmere, 18-Mar-2022 10:32:20
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Seattle

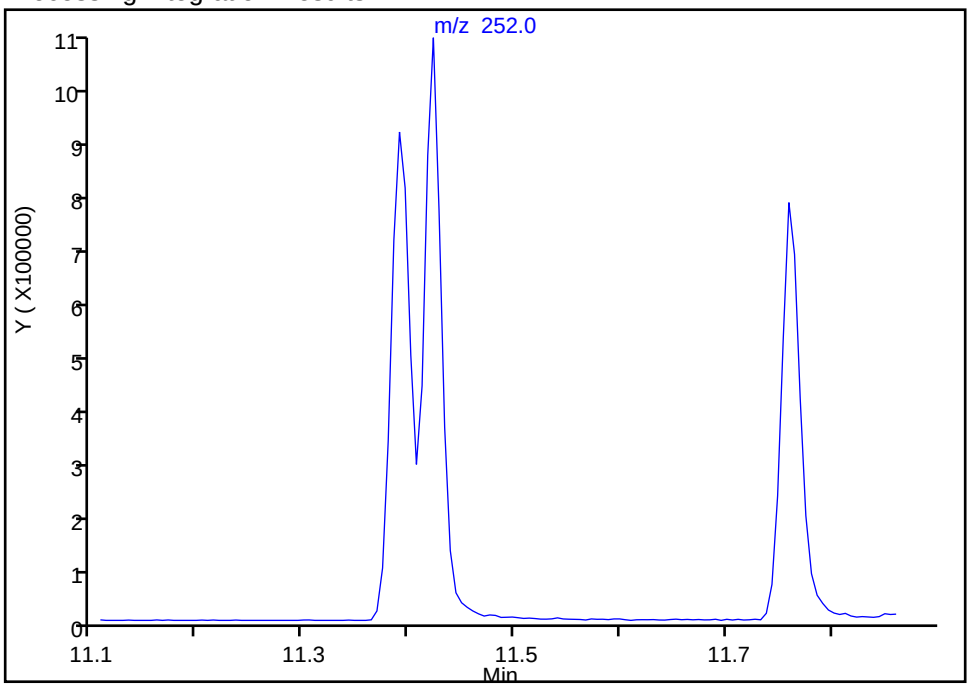
Data File: \\chromfs\Seattle\ChromData\TAC051\20220317-81787.b\31722A30.D
Injection Date: 17-Mar-2022 21:21:30 Instrument ID: TAC051
Lims ID: ccvc
Client ID:
Operator ID: TL ALS Bottle#: 3 Worklist Smp#: 21
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

102 Benzofluoranthene, CAS: 56832-73-6

Signal: 1

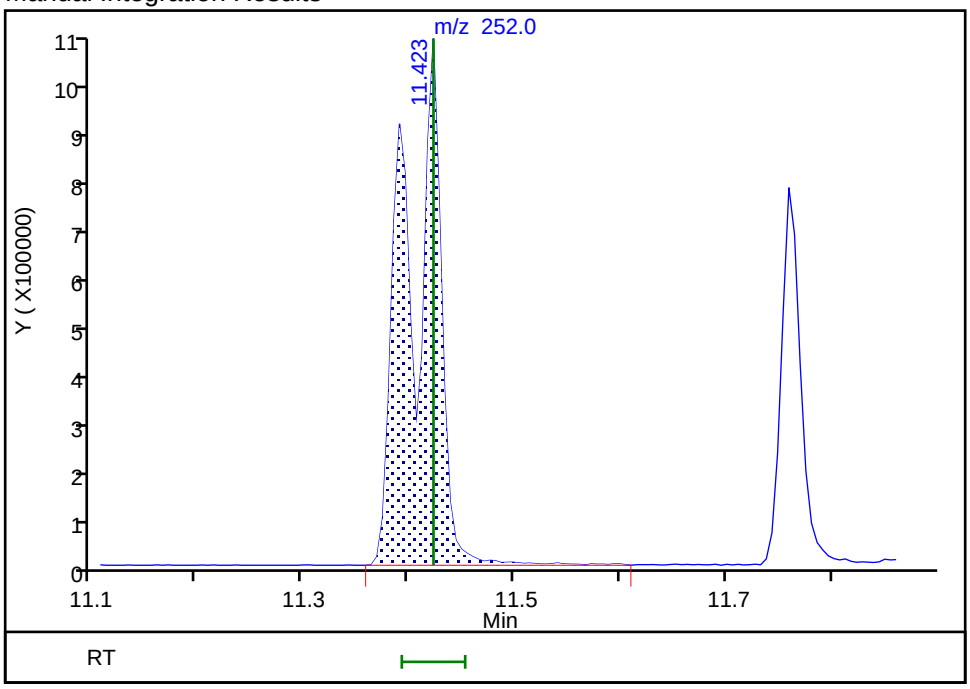
Not Detected
Expected RT: 11.42

Processing Integration Results



Manual Integration Results

RT: 11.42
Area: 2408268
Amount: 2024.8045
Amount Units: ug/L



Reviewer: limmere, 18-Mar-2022 10:32:40
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Seattle

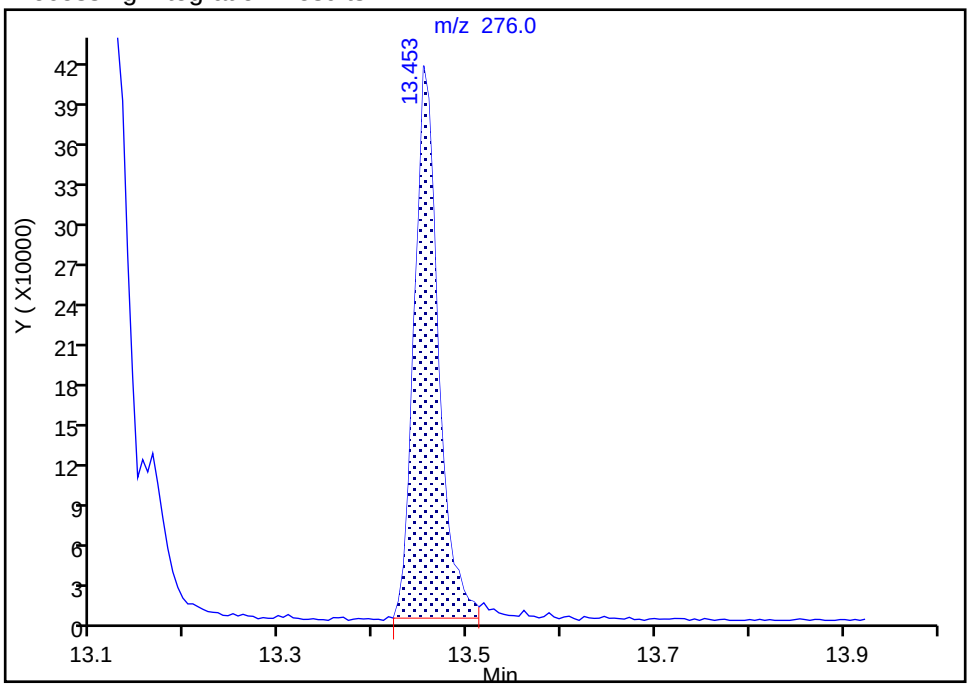
Data File: \\chromfs\Seattle\ChromData\TAC051\20220317-81787.b\31722A30.D
Injection Date: 17-Mar-2022 21:21:30 Instrument ID: TAC051
Lims ID: ccvc
Client ID:
Operator ID: TL ALS Bottle#: 3 Worklist Smp#: 21
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

107 Benzo[g,h,i]perylene, CAS: 191-24-2

Signal: 1

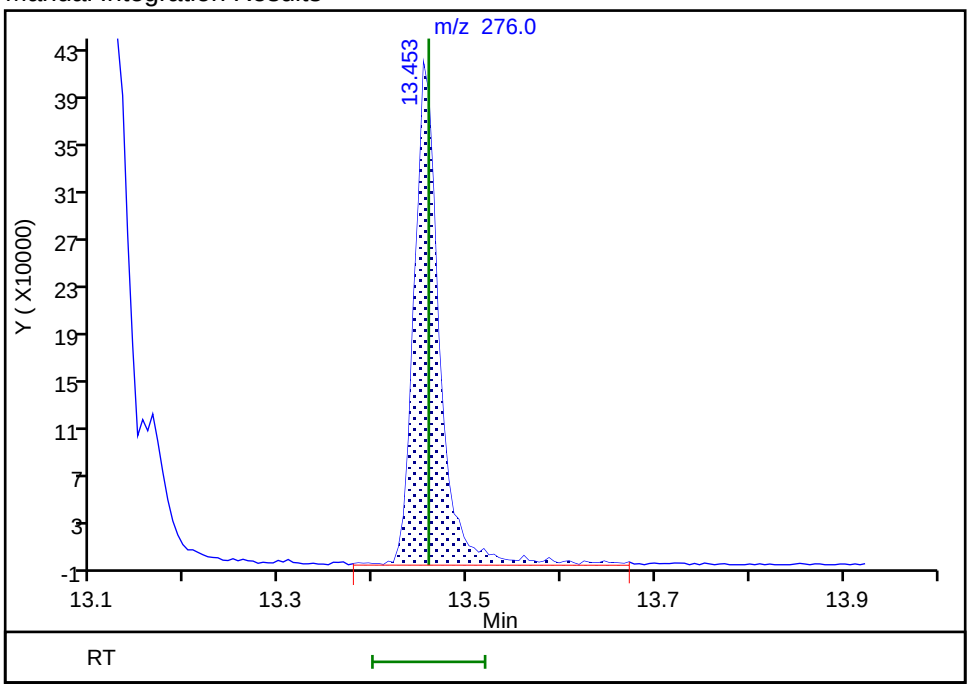
Processing Integration Results

RT: 13.45
Area: 725772
Amount: 588.8947
Amount Units: ug/L



Manual Integration Results

RT: 13.45
Area: 777605
Amount: 631.2474
Amount Units: ug/L



Reviewer: limmere, 18-Mar-2022 10:32:58
Audit Action: Manually Integrated Audit Reason: Baseline

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Seattle | Job No.: 580-111294-1

SDG No.:

Lab Sample ID: CCVIS 580-384725/3 | Calibration Date: 03/22/2022 11:45

Instrument ID: TAC051 | Calib Start Date: 01/24/2022 17:04

GC Column: ZB-SV ID: 0.25(mm) | Calib End Date: 01/24/2022 20:31

Lab File ID: 32222A04.D | Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Nitrosodimethylamine	Lin1		0.3983	0.0100	969	1000	-3.1	20.0
Pyridine	Lin2		0.6905	0.0100	1900	2000	-4.9	20.0
Aniline	Lin1		1.120	0.0100	894	1000	-10.6	20.0
Phenol	Ave	1.004	0.9944	0.8000	990	1000	-1.0	20.0
Bis(2-chloroethyl)ether	Ave	0.8637	0.8088	0.7000	936	1000	-6.4	20.0
2-Chlorophenol	Ave	1.210	1.282	0.8000	1060	1000	5.9	20.0
n-Decane	Ave	0.7898	0.8179		1040	1000	3.6	20.0
1,3-Dichlorobenzene	Ave	1.441	1.498	0.0100	1040	1000	3.9	20.0
1,4-Dichlorobenzene	Ave	1.565	1.474	0.0100	942	1000	-5.8	20.0
Benzyl alcohol	Lin2		0.4034	0.0100	661	1000	-33.9*	20.0
1,2-Dichlorobenzene	Ave	1.465	1.429	0.0100	975	1000	-2.5	20.0
bis (2-chloroisopropyl) ether	Ave	0.9704	1.228	0.0100	1270	1000	26.6*	20.0
o-Cresol	Ave	0.8394	0.8822	0.7000	1050	1000	5.1	20.0
Acetophenone	Ave	1.266	1.314	0.0100	1040	1000	3.8	20.0
N-Nitrosodi-n-propylamine	Ave	0.4984	0.4866*	0.5000	976	1000	-2.4	20.0
m+p-Cresol	Lin2		0.8368	0.6000	957	1000	-4.3	20.0
Hexachloroethane	Ave	0.5675	0.5951	0.3000	1050	1000	4.9	20.0
Nitrobenzene	Lin2		0.8017	0.2000	946	1000	-5.4	20.0
Isophorone	Ave	1.472	1.485	0.4000	1010	1000	0.9	20.0
2-Nitrophenol	Lin2		0.1852	0.1000	1070	1000	7.5	20.0
2,4-Dimethylphenol	Lin1		0.9743	0.2000	979	1000	-2.1	20.0
Bis(2-chloroethoxy)methane	Ave	0.9233	0.8997	0.3000	974	1000	-2.6	20.0
Benzoic acid	Lin1		0.1698	0.0100	1860	2000	-7.2	20.0
2,4-Dichlorophenol	Lin1		0.2946	0.2000	1110	1000	11.1	20.0
1,2,4-Trichlorobenzene	Ave	0.3058	0.3317	0.0100	1080	1000	8.5	20.0
Naphthalene	Qua2		1.028	0.7000	1040	1000	3.6	20.0
2,6-Dichlorophenol	Qua1		0.4896	0.0100	943	1000	-5.7	20.0
4-Chloroaniline	Lin1		0.3332	0.0100	954	1000	-4.6	20.0
Hexachlorobutadiene	Ave	0.1815	0.1972	0.0100	1090	1000	8.6	20.0
4-Chloro-3-methylphenol	Lin2		0.3510	0.2000	907	1000	-9.3	20.0
2-Methylnaphthalene	Ave	0.6515	0.7224	0.4000	1110	1000	10.9	20.0
1-Methylnaphthalene	Ave	0.6188	0.6833	0.0100	1100	1000	10.4	20.0
Hexachlorocyclopentadiene	Ave	0.3528	0.3005	0.0500	852	1000	-14.8	20.0
1,2,4,5-Tetrachlorobenzene	Qua		0.5109		971	1000	-2.9	20.0
2,4,6-Trichlorophenol	Lin2		0.3289	0.2000	1020	1000	2.4	20.0
2,4,5-Trichlorophenol	Lin1		0.3978	0.2000	1080	1000	8.2	20.0
1,1'-Biphenyl	Ave	1.451	1.397	0.0100	963	1000	-3.7	20.0
2-Chloronaphthalene	Ave	1.139	1.077	0.8000	945	1000	-5.5	20.0
2-Nitroaniline	Qua2		0.3543	0.0100	1100	1000	10.2	20.0
Dimethyl phthalate	Lin1		1.190	0.0100	1010	1000	1.2	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Seattle | Job No.: 580-111294-1

SDG No.:

Lab Sample ID: CCVIS 580-384725/3 | Calibration Date: 03/22/2022 11:45

Instrument ID: TAC051 | Calib Start Date: 01/24/2022 17:04

GC Column: ZB-SV ID: 0.25(mm) | Calib End Date: 01/24/2022 20:31

Lab File ID: 32222A04.D | Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,6-Dinitrotoluene	Lin1		0.2896	0.2000	994	1000	-0.6	20.0
Acenaphthylene	Qua2		1.686	0.9000	1000	1000	0.1	20.0
3-Nitroaniline	Lin2		0.2623	0.0100	937	1000	-6.3	20.0
Acenaphthene	Ave	1.170	1.103	0.9000	943	1000	-5.7	20.0
2,4-Dinitrophenol	Lin1		0.1395	0.0100	1890	2000	-5.6	20.0
Dibenzofuran	Ave	1.488	1.522	0.8000	1020	1000	2.3	20.0
2,4-Dinitrotoluene	Lin2		0.3807	0.2000	1020	1000	1.6	20.0
4-Nitrophenol	Lin1		0.1170	0.0100	1980	2000	-0.9	20.0
2,3,5,6-Tetrachlorophenol	Lin2		0.2576	0.0100	1010	1000	0.7	20.0
2,3,4,6-Tetrachlorophenol	Lin2		0.2805	0.0100	938	1000	-6.2	20.0
Diethyl phthalate	Ave	1.296	1.310	0.0100	1010	1000	1.0	20.0
Fluorene	Ave	1.184	1.229	0.9000	1040	1000	3.8	20.0
4-Chlorophenyl phenyl ether	Ave	0.5450	0.5588	0.4000	1030	1000	2.5	20.0
4-Nitroaniline	Lin1		0.2144	0.0100	817	1000	-18.3	20.0
4,6-Dinitro-2-methylphenol	Lin1		0.1102	0.0100	1860	2000	-7.1	20.0
N-Nitrosodiphenylamine	Ave	0.5309	0.5347	0.0100	1010	1000	0.7	20.0
Azobenzene	Lin2		0.4903		889	1000	-11.1	20.0
4-Bromophenyl phenyl ether	Qua2		0.2027	0.1000	917	1000	-8.3	20.0
Hexachlorobenzene	Ave	0.2584	0.2391	0.1000	925	1000	-7.5	20.0
Atrazine	Lin2		0.3403	0.0100	1010	1000	1.5	20.0
Pentachlorophenol	Lin2		0.1161	0.0500	1660	2000	-16.8	20.0
n-Octadecane	Qua1		0.3147		996	1000	-0.4	20.0
Phenanthrene	Qua2		1.050	0.7000	932	1000	-6.8	20.0
Anthracene	Qua1		1.058	0.7000	905	1000	-9.5	20.0
Carbazole	Qua1		0.8518	0.0100	952	1000	-4.8	20.0
Di-n-butyl phthalate	Qua1		1.290	0.0100	909	1000	-9.1	20.0
Fluoranthene	Qua1		1.137	0.6000	949	1000	-5.1	20.0
Benzidine	Lin1		0.2160	0.0100	1550	2000	-22.4*	20.0
Pyrene	Qua1		1.134	0.6000	919	1000	-8.1	20.0
Butyl benzyl phthalate	Qua1		0.7575	0.0100	1050	1000	5.1	20.0
3,3'-Dichlorobenzidine	Qua1		0.4116	0.0100	2040	2000	1.9	20.0
Benzo[a]anthracene	Qua1		1.260	0.8000	1010	1000	0.8	20.0
Chrysene	Qua2		1.246	0.7000	944	1000	-5.6	20.0
Bis(2-ethylhexyl) phthalate	Qua2		1.066	0.0100	1150	1000	14.6	20.0
Di-n-octyl phthalate	Ave	1.324	1.732	0.0100	1310	1000	30.8*	20.0
Benzo[b]fluoranthene	Lin2		1.216	0.7000	1100	1000	9.8	20.0
Benzo[k]fluoranthene	Ave	1.342	1.361	0.7000	1010	1000	1.4	20.0
Benzofluoranthene	Ave	1.229	1.253		2040	2000	1.9	20.0
Benzo[a]pyrene	Lin2		1.116	0.7000	1100	1000	9.5	20.0
Indeno[1,2,3-cd]pyrene	Lin1		1.140	0.5000	1120	1000	12.3	20.0
Dibenz(a,h)anthracene	Lin2		1.159	0.4000	1060	1000	6.0	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Lab Sample ID: CCVIS 580-384725/3 Calibration Date: 03/22/2022 11:45

Instrument ID: TAC051 Calib Start Date: 01/24/2022 17:04

GC Column: ZB-SV ID: 0.25(mm) Calib End Date: 01/24/2022 20:31

Lab File ID: 32222A04.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzo[g,h,i]perylene	Qua1		1.242	0.5000	981	1000	-1.9	20.0
2-Fluorophenol (Surr)	Lin2		0.9384		1010	1000	1.1	20.0
Phenol-d5 (Surr)	Lin1		1.010		980	1000	-2.0	20.0
Nitrobenzene-d5 (Surr)	Ave	0.2380	0.2640		1110	1000	10.9	20.0
2-Fluorobiphenyl	Ave	1.330	1.276		960	1000	-4.0	20.0
2,4,6-Tribromophenol (Surr)	Lin1		0.1197	0.0100	889	1000	-11.1	20.0
Terphenyl-d14	Ave	0.7490	0.7329		979	1000	-2.1	20.0

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220322-81877.b\32222A04.D
Lims ID: ccvis
Client ID:
Sample Type: CCVIS
Inject. Date: 22-Mar-2022 11:45:30 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: CCVIS
Operator ID: JCM Instrument ID: TAC051
Sublist: chrom-8270 TAC051*sub34

Method: \\chromfs\Seattle\ChromData\TAC051\20220322-81877.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 23-Mar-2022 10:44:27 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1609

First Level Reviewer: thaneeratw Date: 23-Mar-2022 10:44:27

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.440	4.440	0.000	85	19041	100.0	100.0	
* 2 Naphthalene-d8	136	5.461	5.461	0.000	94	65267	100.0	100.0	
* 3 Acenaphthene-d10	164	6.887	6.887	0.000	85	40241	100.0	100.0	
* 4 Phenanthrene-d10	188	8.100	8.100	0.000	90	65142	100.0	100.0	
* 5 Chrysene-d12	240	10.295	10.295	0.000	54	49651	100.0	100.0	
* 6 Perylene-d12	264	11.818	11.818	0.000	84	52096	100.0	100.0	
$ 7 2-Fluorophenol	112	3.442	3.442	0.000	84	178687	1000.0	1010.6	
$ 8 Phenol-d5	99	4.195	4.195	0.000	96	192351	1000.0	980.5	
$ 9 Nitrobenzene-d5	82	4.889	4.889	0.000	87	172309	1000.0	1109.2	
$ 10 2-methylnaphthalene-d10	152	6.016	6.016	0.000	0	424691	NC	NC	
$ 11 2-Fluorobiphenyl	172	6.348	6.348	0.000	93	513436	1000.0	959.6	
$ 12 2,4,6-Tribromophenol	330	7.539	7.539	0.000	86	77948	1000.0	888.8	
$ 13 Fluoranthene-d10 (Surr)	212	9.077	9.077	0.000	0	646682	NC	NC	
$ 14 Terphenyl-d14	244	9.425	9.425	0.000	98	477434	1000.0	978.6	
16 N-Nitrosodimethylamine	74	2.352	2.352	0.000	62	75844	1000.0	968.6	
15 1,4-Dioxane	88	2.368	2.368	0.000	1	1023	NC	NC	
17 Pyridine	79	2.368	2.368	0.000	73	262944	2000.0	1901.9	
18 Aniline	93	4.189	4.189	0.000	96	213308	1000.0	893.5	
19 Phenol	94	4.205	4.205	0.000	75	189342	1000.0	990.1	
20 Bis(2-chloroethyl)ether	93	4.243	4.243	0.000	94	154000	1000.0	936.4	
21 2-Chlorophenol	128	4.286	4.286	0.000	89	244150	1000.0	1059.3	
22 n-Decane	57	4.323	4.323	0.000	92	155734	1000.0	1035.6	
23 1,3-Dichlorobenzene	146	4.392	4.392	0.000	97	285154	1000.0	1038.9	
25 1,4-Dichlorobenzene	146	4.457	4.457	0.000	98	280701	1000.0	942.1	
26 Benzyl alcohol	79	4.569	4.569	0.000	48	76804	1000.0	660.6	
27 1,2-Dichlorobenzene	146	4.574	4.574	0.000	95	272143	1000.0	975.4	
29 2,2'-oxybis[1-chloropropane]	45	4.670	4.670	0.000	73	233884	1000.0	1265.8	
28 2-Methylphenol	108	4.676	4.676	0.000	93	167988	1000.0	1051.1	
30 Acetophenone	105	4.772	4.772	0.000	87	250261	1000.0	1038.0	
31 N-Nitrosodi-n-propylamine	70	4.777	4.777	0.000	94	92663	1000.0	976.5	
32 3 & 4 Methylphenol	108	4.804	4.804	0.000	96	159340	1000.0	957.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
33 Hexachloroethane	117	4.836	4.836	0.000	90	113317	1000.0	1048.8	
34 Nitrobenzene	77	4.900	4.900	0.000	87	152652	1000.0	945.6	
35 Isophorone	82	5.098	5.098	0.000	95	282721	1000.0	1008.9	
36 2-Nitrophenol	139	5.162	5.162	0.000	84	120905	1000.0	1074.9	
37 2,4-Dimethylphenol	107	5.220	5.220	0.000	92	185522	1000.0	978.8	
38 Bis(2-chloroethoxy)methane	93	5.285	5.285	0.000	97	171314	1000.0	974.5	
39 Benzoic acid	105	5.301	5.301	0.000	88	221686	2000.0	1855.5	
40 2,4-Dichlorophenol	162	5.370	5.370	0.000	88	192253	1000.0	1110.6	
41 1,2,4-Trichlorobenzene	180	5.418	5.418	0.000	93	216492	1000.0	1084.7	
42 Naphthalene	128	5.477	5.477	0.000	96	670808	1000.0	1036.1	
43 4-Chloroaniline	127	5.541	5.541	0.000	72	217448	1000.0	953.6	
44 2,6-Dichlorophenol	162	5.541	5.541	0.000	94	197006	1000.0	943.3	
45 Hexachlorobutadiene	225	5.578	5.578	0.000	92	128677	1000.0	1086.2	
46 4-Chloro-3-methylphenol	107	5.963	5.963	0.000	84	141262	1000.0	906.6	
47 2-Methylnaphthalene	142	6.043	6.043	0.000	78	471489	1000.0	1108.9	
48 1-Methylnaphthalene	142	6.118	6.118	0.000	92	445942	1000.0	1104.2	
49 Hexachlorocyclopentadiene	237	6.166	6.166	0.000	88	120942	1000.0	851.8	
50 1,2,4,5-Tetrachlorobenzene	216	6.177	6.177	0.000	95	205576	1000.0	971.0	
52 2,4,6-Trichlorophenol	196	6.289	6.289	0.000	87	132343	1000.0	1023.5	
53 2,4,5-Trichlorophenol	196	6.332	6.332	0.000	96	160073	1000.0	1081.5	
54 1,1'-Biphenyl	154	6.428	6.428	0.000	94	561983	1000.0	962.6	
55 2-Chloronaphthalene	162	6.438	6.438	0.000	95	433420	1000.0	945.3	
56 2-Nitroaniline	138	6.540	6.540	0.000	89	142571	1000.0	1102.3	
57 Dimethyl phthalate	163	6.690	6.690	0.000	98	478916	1000.0	1012.4	
58 1,3-Dinitrobenzene	168	6.716	6.716	0.000	84	73643	1000.0	1041.3	
59 2,6-Dinitrotoluene	165	6.738	6.738	0.000	70	116541	1000.0	993.9	
60 Acenaphthylene	152	6.770	6.770	0.000	95	678307	1000.0	1001.3	
61 3-Nitroaniline	138	6.882	6.882	0.000	88	105547	1000.0	936.9	
62 Acenaphthene	153	6.914	6.914	0.000	91	443993	1000.0	942.8	
63 2,4-Dinitrophenol	184	6.967	6.967	0.000	84	112244	2000.0	1887.7	a
66 Dibenzofuran	168	7.058	7.058	0.000	87	612585	1000.0	1023.2	
64 4-Nitrophenol	109	7.074	7.074	0.000	17	94151	2000.0	1981.1	a
65 2,4-Dinitrotoluene	165	7.063	7.063	0.000	72	153204	1000.0	1016.0	
51 2,3,5,6-Tetrachlorophenol	232	7.138	7.138	0.000	82	103657	1000.0	1007.4	
67 2,3,4,6-Tetrachlorophenol	232	7.170	7.170	0.000	74	112856	1000.0	937.7	
68 Diethyl phthalate	149	7.266	7.266	0.000	98	527065	1000.0	1010.4	
69 Fluorene	166	7.336	7.336	0.000	83	494727	1000.0	1038.3	
70 4-Chlorophenyl phenyl ether	204	7.347	7.347	0.000	92	224879	1000.0	1025.4	
71 4-Nitroaniline	138	7.384	7.384	0.000	80	86260	1000.0	816.6	
72 4,6-Dinitro-2-methylphenol	198	7.395	7.395	0.000	82	143570	2000.0	1858.3	
73 N-Nitrosodiphenylamine	169	7.448	7.448	0.000	60	348341	1000.0	1007.3	
74 Azobenzene	77	7.475	7.475	0.000	90	319396	1000.0	889.4	
75 4-Bromophenyl phenyl ether	248	7.747	7.747	0.000	56	132049	1000.0	917.0	
76 Hexachlorobenzene	284	7.785	7.785	0.000	87	155767	1000.0	925.3	
77 Atrazine	200	7.897	7.897	0.000	93	136930	1000.0	1014.9	
78 Pentachlorophenol	266	7.961	7.961	0.000	88	151269	2000.0	1665.0	
79 n-Octadecane	57	8.041	8.041	0.000	87	204972	1000.0	995.7	
80 Phenanthrene	178	8.121	8.121	0.000	96	684090	1000.0	932.2	
81 Anthracene	178	8.164	8.164	0.000	96	689142	1000.0	905.0	
83 Carbazole	167	8.308	8.308	0.000	81	554888	1000.0	951.9	
84 Di-n-butyl phthalate	149	8.607	8.607	0.000	99	840521	1000.0	908.7	
85 Fluoranthene	202	9.093	9.093	0.000	95	740982	1000.0	949.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
88 Benzidine	184	9.232	9.232	0.000	97	281472	2000.0	1552.6	
89 Pyrene	202	9.280	9.280	0.000	98	738407	1000.0	919.1	
94 Butyl benzyl phthalate	149	9.836	9.836	0.000	91	376097	1000.0	1050.6	
97 Benzo[a]anthracene	228	10.290	10.290	0.000	97	625724	1000.0	1007.7	
96 3,3'-Dichlorobenzidine	252	10.290	10.290	0.000	61	408678	2000.0	2038.6	
99 Chrysene	228	10.322	10.322	0.000	93	618622	1000.0	943.6	
98 Bis(2-ethylhexyl) phthalate	149	10.349	10.349	0.000	77	529265	1000.0	1146.0	
100 Di-n-octyl phthalate	149	11.006	11.006	0.000	97	902200	1000.0	1308.0	
101 Benzo[b]fluoranthene	252	11.380	11.380	0.000	92	633650	1000.0	1098.0	
102 Benzofluoranthene	252	11.412	11.412	0.000	1	1305291	2000.0	2038.9	
103 Benzo[k]fluoranthene	252	11.412	11.412	0.000	97	709230	1000.0	1014.1	
104 Benzo[a]pyrene	252	11.754	11.754	0.000	73	581577	1000.0	1095.3	
105 Indeno[1,2,3-cd]pyrene	276	13.116	13.116	0.000	98	594075	1000.0	1122.7	
106 Dibenz(a,h)anthracene	278	13.154	13.154	0.000	77	603582	1000.0	1059.7	
107 Benzo[g,h,i]perylene	276	13.442	13.442	0.000	93	647008	1000.0	981.0	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

a - User Assigned ID

Reagents:

ccv_8270_1000_00057 Amount Added: 1.00 Units: mL

Report Date: 23-Mar-2022 10:44:28 Chrom Revision: 2.3 18-Mar-2022 09:07:22

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC051\20220322-81877.b\32222A04.D

Injection Date: 22-Mar-2022 11:45:30 Instrument ID: TAC051

Lims ID: ccvis

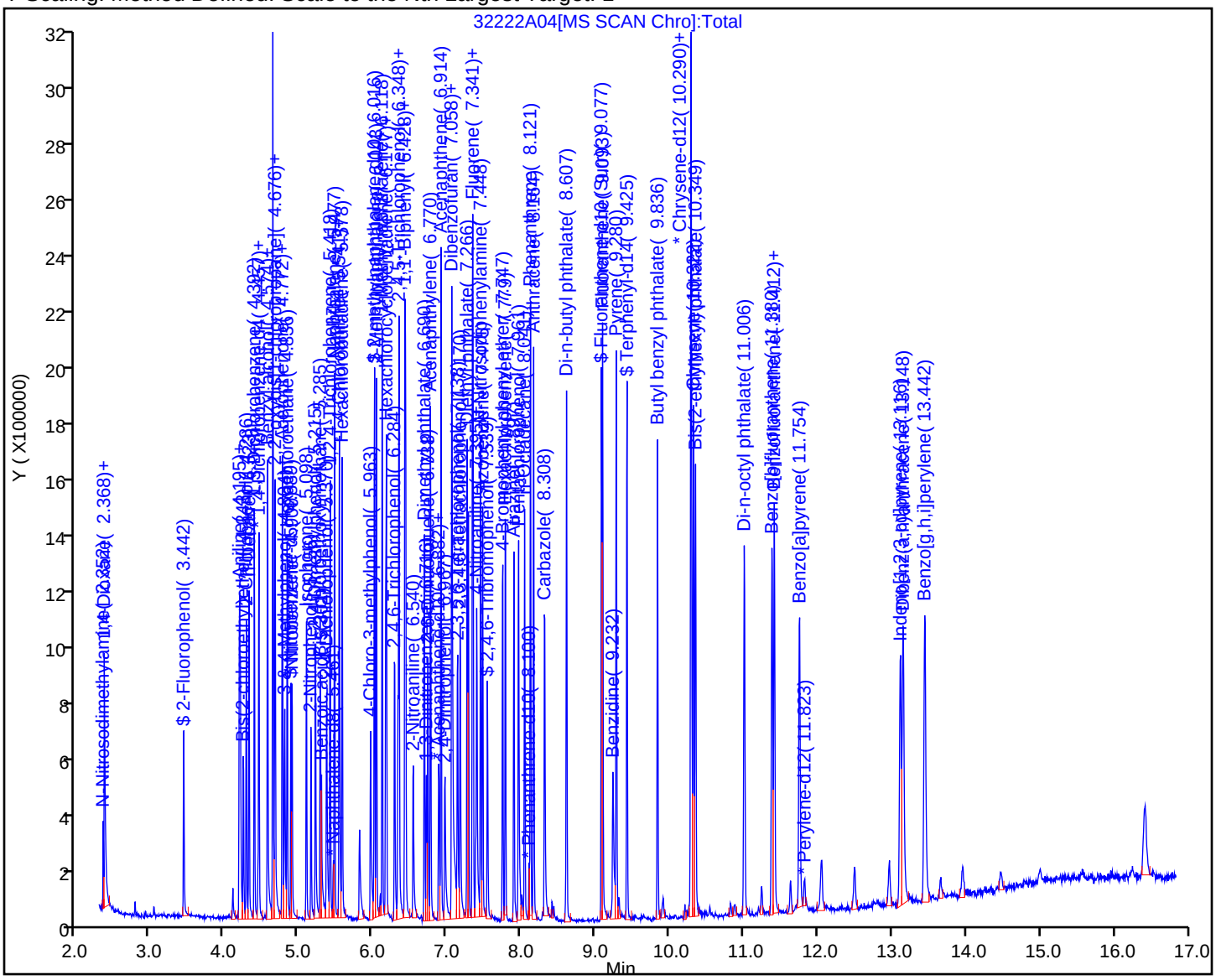
Client ID:

Operator ID: JCM ALS Bottle#: 3 Worklist Smp#: 3

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Seattle

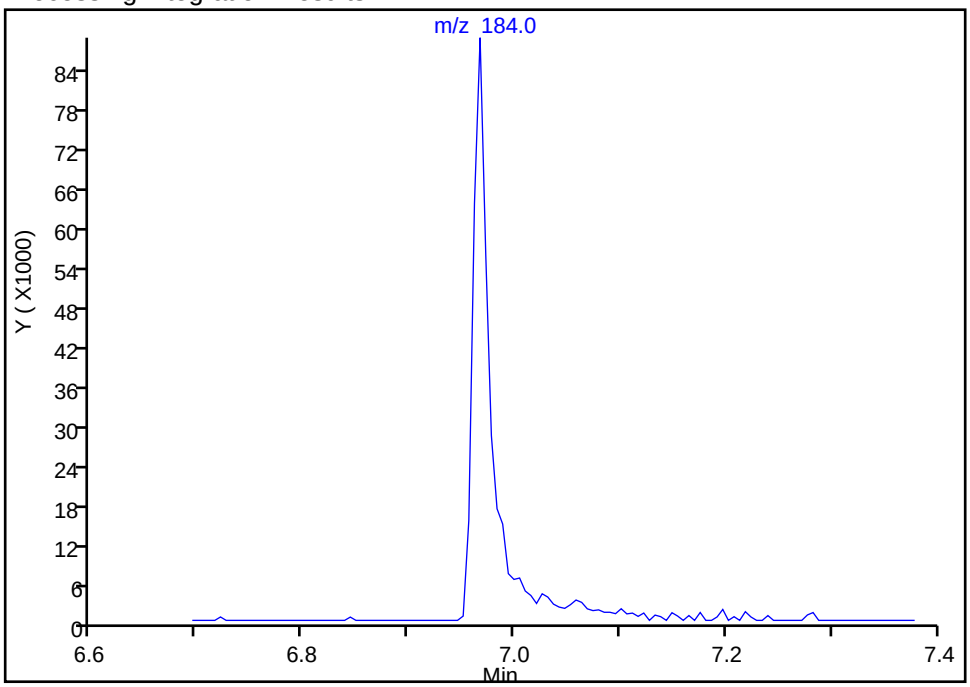
Data File: \\chromfs\Seattle\ChromData\TAC051\20220322-81877.b\32222A04.D
Injection Date: 22-Mar-2022 11:45:30 Instrument ID: TAC051
Lims ID: ccvis
Client ID:
Operator ID: JCM ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

63 2,4-Dinitrophenol, CAS: 51-28-5

Signal: 1

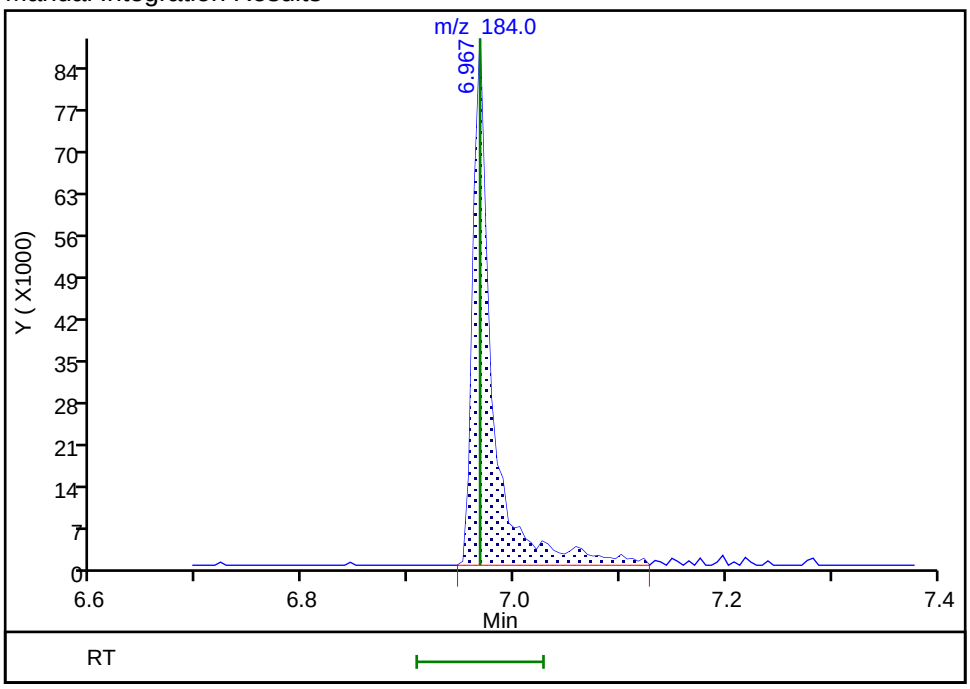
Not Detected
Expected RT: 6.97

Processing Integration Results



Manual Integration Results

RT: 6.97
Area: 112244
Amount: 1887.6947
Amount Units: ug/L



Reviewer: thaneeratw, 23-Mar-2022 10:43:16
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Seattle

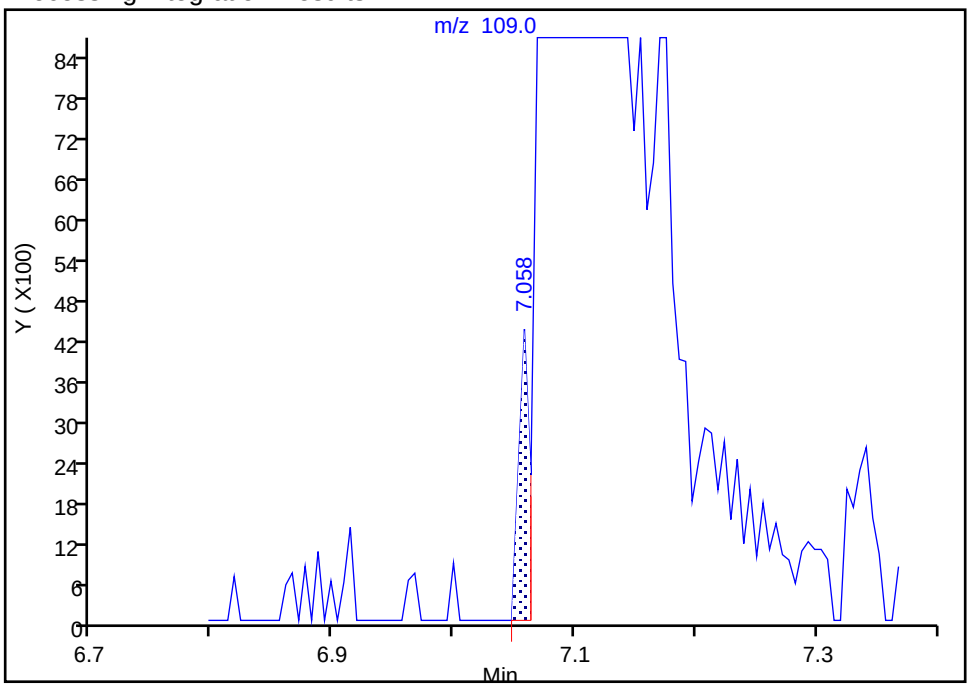
Data File: \\chromfs\Seattle\ChromData\TAC051\20220322-81877.b\32222A04.D
Injection Date: 22-Mar-2022 11:45:30 Instrument ID: TAC051
Lims ID: ccvis
Client ID:
Operator ID: JCM ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

64 4-Nitrophenol, CAS: 100-02-7

Signal: 1

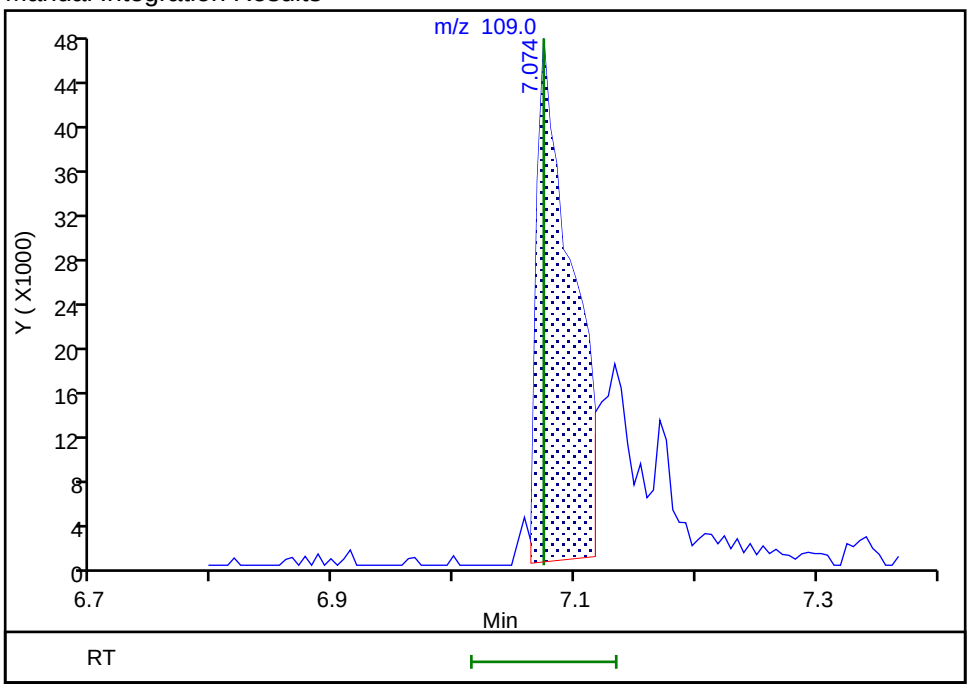
Processing Integration Results

RT: 7.06
Area: 2763
Amount: 820.2887
Amount Units: ug/L



Manual Integration Results

RT: 7.07
Area: 94151
Amount: 1981.0990
Amount Units: ug/L



Reviewer: thaneeratw, 23-Mar-2022 10:43:25
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Seattle | Job No.: 580-111294-1

SDG No.:

Lab Sample ID: CCVC 580-384725/18 | Calibration Date: 03/22/2022 20:44

Instrument ID: TAC051 | Calib Start Date: 01/24/2022 17:04

GC Column: ZB-SV ID: 0.25(mm) | Calib End Date: 01/24/2022 20:31

Lab File ID: 32222A24.D | Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Nitrosodimethylamine	Lin1		0.3881	0.0100	944	1000	-5.6	50.0
Pyridine	Lin2		0.6507	0.0100	1800	2000	-10.2	50.0
Aniline	Lin1		1.049	0.0100	837	1000	-16.3	50.0
Phenol	Ave	1.004	0.8009	0.8000	797	1000	-20.3	50.0
Bis(2-chloroethyl)ether	Ave	0.8637	0.7363	0.7000	853	1000	-14.7	50.0
2-Chlorophenol	Ave	1.210	1.237	0.8000	1020	1000	2.2	50.0
n-Decane	Ave	0.7898	0.7770		984	1000	-1.6	50.0
1,3-Dichlorobenzene	Ave	1.441	1.373	0.0100	953	1000	-4.7	50.0
1,4-Dichlorobenzene	Ave	1.565	1.430	0.0100	914	1000	-8.6	50.0
1,2-Dichlorobenzene	Ave	1.465	1.347	0.0100	919	1000	-8.1	50.0
Benzyl alcohol	Lin2		0.4548	0.0100	744	1000	-25.6	50.0
bis (2-chloroisopropyl) ether	Ave	0.9704	1.127	0.0100	1160	1000	16.1	50.0
o-Cresol	Ave	0.8394	0.7813	0.7000	931	1000	-6.9	50.0
Acetophenone	Ave	1.266	1.221	0.0100	964	1000	-3.6	50.0
N-Nitrosodi-n-propylamine	Ave	0.4984	0.4408*	0.5000	885	1000	-11.5	50.0
m+p-Cresol	Lin2		0.7998	0.6000	915	1000	-8.5	50.0
Hexachloroethane	Ave	0.5675	0.5367	0.3000	946	1000	-5.4	50.0
Nitrobenzene	Lin2		0.7890	0.2000	931	1000	-6.9	50.0
Isophorone	Ave	1.472	1.393	0.4000	946	1000	-5.4	50.0
2-Nitrophenol	Lin2		0.1732	0.1000	1010	1000	0.6	50.0
2,4-Dimethylphenol	Lin1		0.9418	0.2000	946	1000	-5.4	50.0
Bis(2-chloroethoxy)methane	Ave	0.9233	0.9315	0.3000	1010	1000	0.9	50.0
Benzoic acid	Lin1		0.1606	0.0100	1770	2000	-11.4	50.0
2,4-Dichlorophenol	Lin1		0.2697	0.2000	1020	1000	1.8	50.0
1,2,4-Trichlorobenzene	Ave	0.3058	0.3122	0.0100	1020	1000	2.1	50.0
Naphthalene	Qua2		1.002	0.7000	1010	1000	0.9	50.0
4-Chloroaniline	Lin1		0.2972	0.0100	853	1000	-14.7	50.0
2,6-Dichlorophenol	Qua1		0.4857	0.0100	936	1000	-6.4	50.0
Hexachlorobutadiene	Ave	0.1815	0.1897	0.0100	1050	1000	4.5	50.0
4-Chloro-3-methylphenol	Lin2		0.3809	0.2000	981	1000	-1.9	50.0
2-Methylnaphthalene	Ave	0.6515	0.6642	0.4000	1020	1000	2.0	50.0
1-Methylnaphthalene	Ave	0.6188	0.6382	0.0100	1030	1000	3.1	50.0
Hexachlorocyclopentadiene	Ave	0.3528	0.2456	0.0500	696	1000	-30.4	50.0
1,2,4,5-Tetrachlorobenzene	Qua		0.5149		979	1000	-2.1	50.0
2,4,6-Trichlorophenol	Lin2		0.3272	0.2000	1020	1000	1.9	50.0
2,4,5-Trichlorophenol	Lin1		0.3649	0.2000	996	1000	-0.4	50.0
1,1'-Biphenyl	Ave	1.451	1.413	0.0100	974	1000	-2.6	50.0
2-Chloronaphthalene	Ave	1.139	1.085	0.8000	952	1000	-4.8	50.0
2-Nitroaniline	Qua2		0.3548	0.0100	1100	1000	10.4	50.0
Dimethyl phthalate	Lin1		1.243	0.0100	1060	1000	5.7	50.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Lab Sample ID: CCVC 580-384725/18 Calibration Date: 03/22/2022 20:44

Instrument ID: TAC051 Calib Start Date: 01/24/2022 17:04

GC Column: ZB-SV ID: 0.25(mm) Calib End Date: 01/24/2022 20:31

Lab File ID: 32222A24.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,6-Dinitrotoluene	Lin1		0.2918	0.2000	1000	1000	0.1	50.0
Acenaphthylene	Qua2		1.654	0.9000	982	1000	-1.8	50.0
3-Nitroaniline	Lin2		0.2591	0.0100	927	1000	-7.3	50.0
Acenaphthene	Ave	1.170	1.074	0.9000	918	1000	-8.2	50.0
2,4-Dinitrophenol	Lin1		0.0797	0.0100	1260	2000	-36.9	50.0
Dibenzofuran	Ave	1.488	1.537	0.8000	1030	1000	3.3	50.0
2,4-Dinitrotoluene	Lin2		0.3686	0.2000	986	1000	-1.4	50.0
4-Nitrophenol	Lin1		0.1232	0.0100	2040	2000	2.2	50.0
2,3,5,6-Tetrachlorophenol	Lin2		0.2547	0.0100	996	1000	-0.4	50.0
2,3,4,6-Tetrachlorophenol	Lin2		0.2900	0.0100	969	1000	-3.1	50.0
Diethyl phthalate	Ave	1.296	1.392	0.0100	1070	1000	7.4	50.0
Fluorene	Ave	1.184	1.250	0.9000	1060	1000	5.6	50.0
4-Chlorophenyl phenyl ether	Ave	0.5450	0.5690	0.4000	1040	1000	4.4	50.0
4-Nitroaniline	Lin1		0.2564	0.0100	964	1000	-3.6	50.0
4,6-Dinitro-2-methylphenol	Lin1		0.0713	0.0100	1270	2000	-36.7	50.0
N-Nitrosodiphenylamine	Ave	0.5309	0.5401	0.0100	1020	1000	1.8	50.0
Azobenzene	Lin2		0.5280		957	1000	-4.3	50.0
4-Bromophenyl phenyl ether	Qua2		0.2066	0.1000	934	1000	-6.6	50.0
Hexachlorobenzene	Ave	0.2584	0.2316	0.1000	896	1000	-10.4	50.0
Atrazine	Lin2		0.3459	0.0100	1030	1000	3.1	50.0
Pentachlorophenol	Lin2		0.1092	0.0500	1570	2000	-21.3	50.0
n-Octadecane	Qua1		0.3163		1000	1000	0.1	50.0
Phenanthrene	Qua2		1.070	0.7000	951	1000	-4.9	50.0
Anthracene	Qua1		1.098	0.7000	941	1000	-5.9	50.0
Carbazole	Qua1		0.9346	0.0100	1050	1000	4.7	50.0
Di-n-butyl phthalate	Qua1		1.314	0.0100	926	1000	-7.4	50.0
Fluoranthene	Qua1		1.102	0.6000	918	1000	-8.2	50.0
Benzidine	Lin1		0.2564	0.0100	1830	2000	-8.7	50.0
Pyrene	Qua1		1.132	0.6000	918	1000	-8.2	50.0
Butyl benzyl phthalate	Qua1		0.7063	0.0100	979	1000	-2.1	50.0
3,3'-Dichlorobenzidine	Qua1		0.4077	0.0100	2020	2000	1.0	50.0
Benzo[a]anthracene	Qua1		1.219	0.8000	974	1000	-2.6	50.0
Chrysene	Qua2		1.126	0.7000	849	1000	-15.1	50.0
Bis(2-ethylhexyl) phthalate	Qua2		1.019	0.0100	1100	1000	9.6	50.0
Di-n-octyl phthalate	Ave	1.324	1.631	0.0100	1230	1000	23.2	50.0
Benzo[b]fluoranthene	Lin2		1.206	0.7000	1090	1000	8.9	50.0
Benzo[k]fluoranthene	Ave	1.342	1.250	0.7000	931	1000	-6.9	50.0
Benzofluoranthene	Ave	1.229	1.192		1940	2000	-3.0	50.0
Benzo[a]pyrene	Lin2		1.067	0.7000	1050	1000	4.7	50.0
Indeno[1,2,3-cd]pyrene	Lin1		1.078	0.5000	1060	1000	6.2	50.0
Dibenz(a,h)anthracene	Lin2		1.099	0.4000	1010	1000	0.6	50.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Lab Sample ID: CCVC 580-384725/18 Calibration Date: 03/22/2022 20:44

Instrument ID: TAC051 Calib Start Date: 01/24/2022 17:04

GC Column: ZB-SV ID: 0.25(mm) Calib End Date: 01/24/2022 20:31

Lab File ID: 32222A24.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzo[g,h,i]perylene	Qua1		1.127	0.5000	889	1000	-11.1	50.0
2-Fluorophenol (Surr)	Lin2		0.8823		950	1000	-5.0	50.0
Phenol-d5 (Surr)	Lin1		0.9505		922	1000	-7.8	50.0
Nitrobenzene-d5 (Surr)	Ave	0.2380	0.2380		1000	1000	-0.0	50.0
2-Fluorobiphenyl	Ave	1.330	1.269		954	1000	-4.6	50.0
2,4,6-Tribromophenol (Surr)	Lin1		0.1294	0.0100	958	1000	-4.2	50.0
Terphenyl-d14	Ave	0.7490	0.7195		961	1000	-3.9	50.0

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220322-81877.b\32222A24.D
Lims ID: ccvc
Client ID:
Sample Type: CCVC
Inject. Date: 22-Mar-2022 20:44:30 ALS Bottle#: 3 Worklist Smp#: 18
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: CCVC
Operator ID: JCM Instrument ID: TAC051
Sublist: chrom-8270 TAC051*sub34

Method: \\chromfs\Seattle\ChromData\TAC051\20220322-81877.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 23-Mar-2022 11:38:07 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1609

First Level Reviewer: thaneeratw Date: 23-Mar-2022 11:38:07

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.441	4.440	0.001	83	20772	100.0	100.0	
* 2 Naphthalene-d8	136	5.461	5.461	0.000	95	72564	100.0	100.0	
* 3 Acenaphthene-d10	164	6.888	6.887	0.001	88	40764	100.0	100.0	
* 4 Phenanthrene-d10	188	8.100	8.100	0.000	92	66128	100.0	100.0	
* 5 Chrysene-d12	240	10.296	10.295	0.001	59	55152	100.0	100.0	
* 6 Perylene-d12	264	11.818	11.818	0.000	89	57496	100.0	100.0	
$ 7 2-Fluorophenol	112	3.442	3.442	0.000	84	183270	1000.0	950.4	
$ 8 Phenol-d5	99	4.195	4.195	0.000	96	197433	1000.0	922.4	
$ 9 Nitrobenzene-d5	82	4.884	4.890	-0.005	91	172683	1000.0	999.8	
$ 10 2-methylnaphthalene-d10	152	6.011	6.017	-0.005	0	422957	NC	NC	
$ 11 2-Fluorobiphenyl	172	6.348	6.348	0.000	99	517199	1000.0	954.2	
$ 12 2,4,6-Tribromophenol	330	7.539	7.539	0.000	85	85571	1000.0	957.9	
$ 13 Fluoranthene-d10 (Surr)	212	9.078	9.078	0.001	0	638783	NC	NC	
$ 14 Terphenyl-d14	244	9.420	9.425	-0.005	99	475768	1000.0	960.6	
16 N-Nitrosodimethylamine	74	2.352	2.353	0.000	67	80625	1000.0	944.4	
17 Pyridine	79	2.368	2.368	0.000	78	270328	2000.0	1795.5	
18 Aniline	93	4.190	4.190	0.001	96	217858	1000.0	836.9	
19 Phenol	94	4.206	4.206	0.001	88	166371	1000.0	797.5	
20 Bis(2-chloroethyl)ether	93	4.243	4.243	0.000	95	152954	1000.0	852.5	
21 2-Chlorophenol	128	4.286	4.287	0.000	89	256874	1000.0	1021.6	
22 n-Decane	57	4.323	4.323	0.000	92	161396	1000.0	983.8	
23 1,3-Dichlorobenzene	146	4.393	4.394	0.001	96	285283	1000.0	952.8	
25 1,4-Dichlorobenzene	146	4.457	4.458	0.000	97	297114	1000.0	914.1	
26 Benzyl alcohol	79	4.569	4.569	0.000	44	94468	1000.0	743.8	M
27 1,2-Dichlorobenzene	146	4.569	4.576	-0.005	95	279706	1000.0	919.0	
29 2,2'-oxybis[1-chloropropane]	45	4.671	4.671	0.001	74	234106	1000.0	1161.5	
28 2-Methylphenol	108	4.676	4.678	0.000	92	162301	1000.0	930.9	
30 Acetophenone	105	4.767	4.772	-0.005	93	253608	1000.0	964.2	
31 N-Nitrosodi-n-propylamine	70	4.772	4.777	-0.005	85	91569	1000.0	884.6	
32 3 & 4 Methylphenol	108	4.804	4.806	0.000	88	166134	1000.0	914.9	
33 Hexachloroethane	117	4.836	4.838	0.000	89	111484	1000.0	945.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
34 Nitrobenzene	77	4.900	4.900	0.000	87	163900	1000.0	930.8	
35 Isophorone	82	5.098	5.098	0.000	95	289349	1000.0	946.5	
36 2-Nitrophenol	139	5.157	5.158	-0.005	89	125714	1000.0	1005.7	
37 2,4-Dimethylphenol	107	5.215	5.217	-0.005	92	195636	1000.0	946.3	
38 Bis(2-chloroethoxy)methane	93	5.280	5.281	-0.005	99	193500	1000.0	1008.9	
39 Benzoic acid	105	5.301	5.301	0.000	85	233006	2000.0	1772.5	
40 2,4-Dichlorophenol	162	5.370	5.367	0.000	88	195735	1000.0	1018.4	
41 1,2,4-Trichlorobenzene	180	5.413	5.415	-0.005	90	226571	1000.0	1021.1	
42 Naphthalene	128	5.477	5.477	0.000	96	727283	1000.0	1009.3	
44 2,6-Dichlorophenol	162	5.541	5.543	0.000	94	197998	1000.0	935.9	
43 4-Chloroaniline	127	5.536	5.538	-0.005	87	215676	1000.0	853.4	
45 Hexachlorobutadiene	225	5.579	5.575	0.001	90	137637	1000.0	1045.0	
46 4-Chloro-3-methylphenol	107	5.963	5.963	0.000	88	155273	1000.0	980.5	
47 2-Methylnaphthalene	142	6.038	6.039	-0.005	80	481976	1000.0	1019.6	
48 1-Methylnaphthalene	142	6.118	6.114	0.000	91	463085	1000.0	1031.4	
49 Hexachlorocyclopentadiene	237	6.166	6.168	0.000	91	100112	1000.0	696.1	
50 1,2,4,5-Tetrachlorobenzene	216	6.177	6.177	0.000	94	209894	1000.0	978.8	
52 2,4,6-Trichlorophenol	196	6.289	6.291	0.000	86	133387	1000.0	1018.5	
53 2,4,5-Trichlorophenol	196	6.332	6.333	0.000	95	148759	1000.0	995.8	
54 1,1'-Biphenyl	154	6.428	6.430	0.000	94	575901	1000.0	973.8	
55 2-Chloronaphthalene	162	6.433	6.440	-0.005	98	442304	1000.0	952.3	
56 2-Nitroaniline	138	6.540	6.542	0.000	90	144640	1000.0	1103.8	
57 Dimethyl phthalate	163	6.690	6.690	0.000	98	506535	1000.0	1057.2	
58 1,3-Dinitrobenzene	168	6.717	6.717	0.001	83	78746	1000.0	1092.1	
59 2,6-Dinitrotoluene	165	6.738	6.738	0.000	60	118950	1000.0	1001.1	
60 Acenaphthylene	152	6.770	6.770	0.000	91	674345	1000.0	982.2	
61 3-Nitroaniline	138	6.882	6.884	0.000	85	105635	1000.0	926.5	
62 Acenaphthene	153	6.914	6.916	0.000	90	437994	1000.0	918.1	
63 2,4-Dinitrophenol	184	6.968	6.968	0.001	81	65010	2000.0	1262.4	a
66 Dibenzofuran	168	7.058	7.060	0.000	89	626456	1000.0	1032.9	
65 2,4-Dinitrotoluene	165	7.064	7.064	0.001	80	150248	1000.0	985.6	
64 4-Nitrophenol	109	7.080	7.080	0.006	1	100420	2000.0	2044.4	a
51 2,3,5,6-Tetrachlorophenol	232	7.139	7.140	0.001	82	103813	1000.0	996.4	
67 2,3,4,6-Tetrachlorophenol	232	7.171	7.171	0.001	74	118200	1000.0	968.7	M
68 Diethyl phthalate	149	7.267	7.267	0.001	98	567379	1000.0	1073.8	
69 Fluorene	166	7.336	7.338	0.000	84	509456	1000.0	1055.5	
70 4-Chlorophenyl phenyl ether	204	7.347	7.349	0.000	90	231949	1000.0	1044.0	
71 4-Nitroaniline	138	7.384	7.384	0.000	84	104526	1000.0	964.1	M
72 4,6-Dinitro-2-methylphenol	198	7.395	7.401	0.000	81	94240	2000.0	1266.0	
73 N-Nitrosodiphenylamine	169	7.448	7.455	0.000	60	357189	1000.0	1017.5	
74 Azobenzene	77	7.475	7.493	0.000	93	349152	1000.0	957.5	
75 4-Bromophenyl phenyl ether	248	7.748	7.754	0.001	55	136604	1000.0	934.5	
76 Hexachlorobenzene	284	7.785	7.792	0.000	82	153157	1000.0	896.2	
77 Atrazine	200	7.897	7.899	0.000	91	141022	1000.0	1031.5	
78 Pentachlorophenol	266	7.961	7.968	0.000	87	144394	2000.0	1574.3	
79 n-Octadecane	57	8.041	8.041	0.000	87	209193	1000.0	1001.1	
80 Phenanthrene	178	8.122	8.122	0.001	96	707747	1000.0	950.7	
81 Anthracene	178	8.164	8.164	0.000	96	726370	1000.0	940.6	
83 Carbazole	167	8.309	8.309	0.001	82	618019	1000.0	1046.6	
84 Di-n-butyl phthalate	149	8.608	8.608	0.001	99	868717	1000.0	925.9	
85 Fluoranthene	202	9.094	9.094	0.001	96	728570	1000.0	918.3	
88 Benzidine	184	9.233	9.233	0.001	97	339041	2000.0	1825.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
89 Pyrene	202	9.275	9.281	-0.005	98	748777	1000.0	918.1	
94 Butyl benzyl phthalate	149	9.836	9.836	0.000	91	389532	1000.0	979.1	
96 3,3'-Dichlorobenzidine	252	10.285	10.297	-0.005	66	449663	2000.0	2019.3	
97 Benzo[a]anthracene	228	10.285	10.297	-0.005	97	672192	1000.0	974.0	
99 Chrysene	228	10.323	10.330	0.001	91	621081	1000.0	849.0	
98 Bis(2-ethylhexyl) phthalate	149	10.344	10.349	-0.005	78	561903	1000.0	1096.3	
100 Di-n-octyl phthalate	149	11.006	11.006	0.000	97	938023	1000.0	1232.2	
101 Benzo[b]fluoranthene	252	11.380	11.382	0.000	93	693448	1000.0	1088.8	
102 Benzofluoranthene	252	11.412	11.412	0.000	1	1370859	2000.0	1940.2	a
103 Benzo[k]fluoranthene	252	11.412	11.414	0.000	98	718484	1000.0	930.8	
104 Benzo[a]pyrene	252	11.749	11.756	-0.005	69	613563	1000.0	1047.3	
105 Indeno[1,2,3-cd]pyrene	276	13.111	13.116	-0.005	94	619876	1000.0	1062.0	
106 Dibenz(a,h)anthracene	278	13.149	13.156	-0.006	80	631879	1000.0	1005.9	
107 Benzo[g,h,i]perylene	276	13.437	13.444	-0.005	90	648153	1000.0	889.1	

QC Flag Legend

Processing Flags
NC - Not Calibrated
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

ccv_8270_1000_00057 Amount Added: 1.00 Units: mL

Report Date: 23-Mar-2022 11:38:08 Chrom Revision: 2.3 18-Mar-2022 09:07:22

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC051\20220322-81877.b\32222A24.D

Injection Date: 22-Mar-2022 20:44:30 Instrument ID: TAC051

Lims ID: ccvc

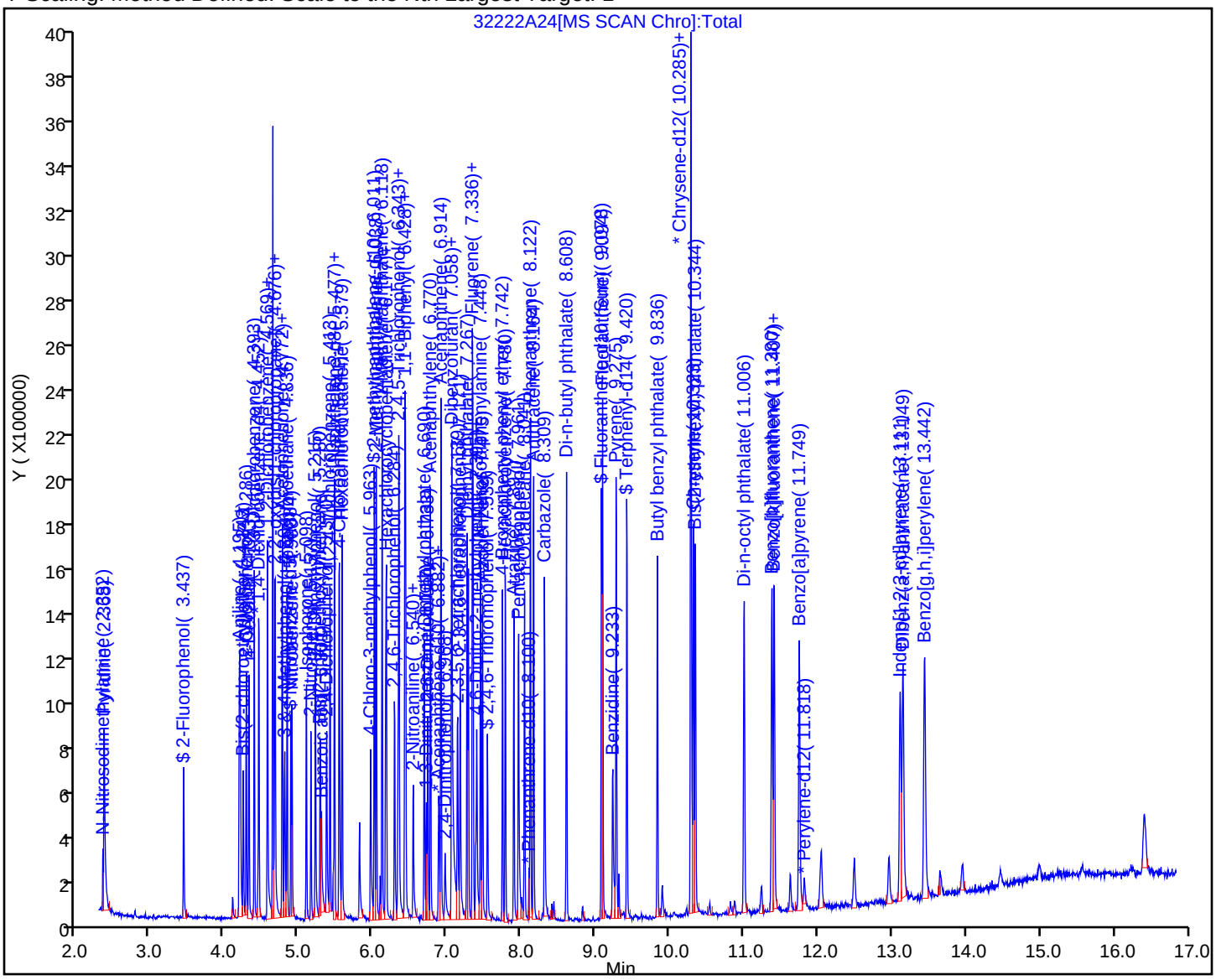
Client ID:

Operator ID: JCM ALS Bottle#: 3 Worklist Smp#: 18

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Seattle

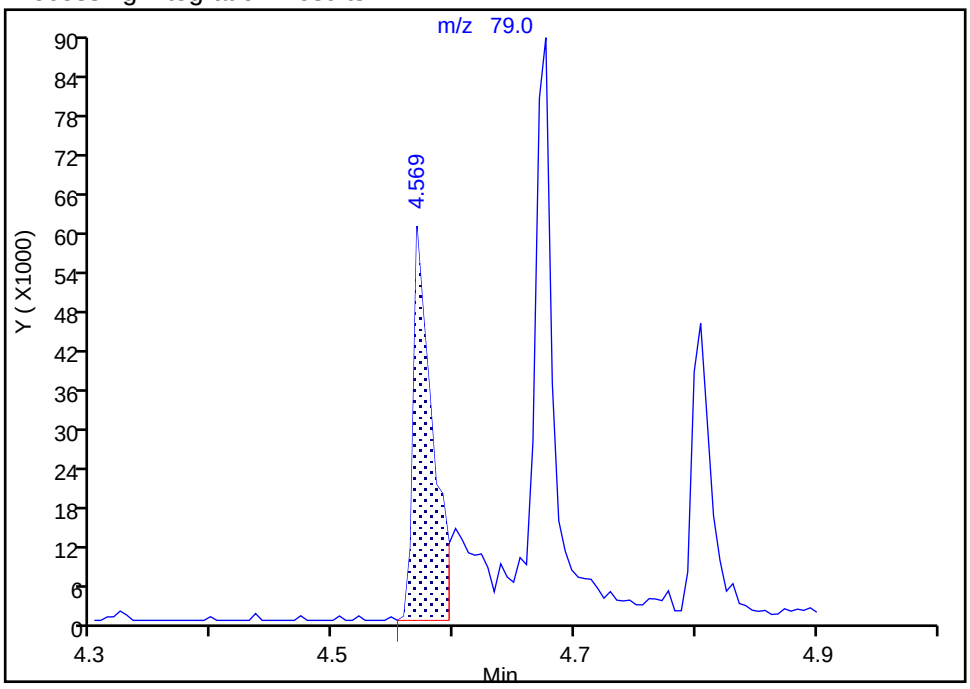
Data File: \\chromfs\Seattle\ChromData\TAC051\20220322-81877.b\32222A24.D
Injection Date: 22-Mar-2022 20:44:30 Instrument ID: TAC051
Lims ID: ccvc
Client ID:
Operator ID: JCM ALS Bottle#: 3 Worklist Smp#: 18
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

26 Benzyl alcohol, CAS: 100-51-6

Signal: 1

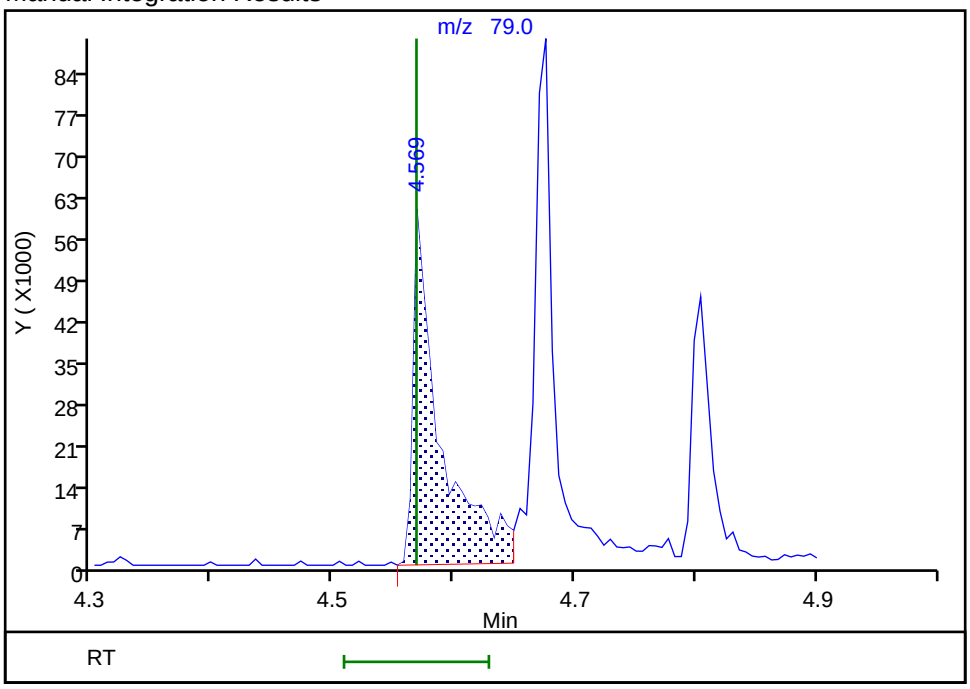
Processing Integration Results

RT: 4.57
Area: 66385
Amount: 524.9079
Amount Units: ug/L



Manual Integration Results

RT: 4.57
Area: 94468
Amount: 743.8419
Amount Units: ug/L



Reviewer: thaneeratw, 23-Mar-2022 11:36:17
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Seattle

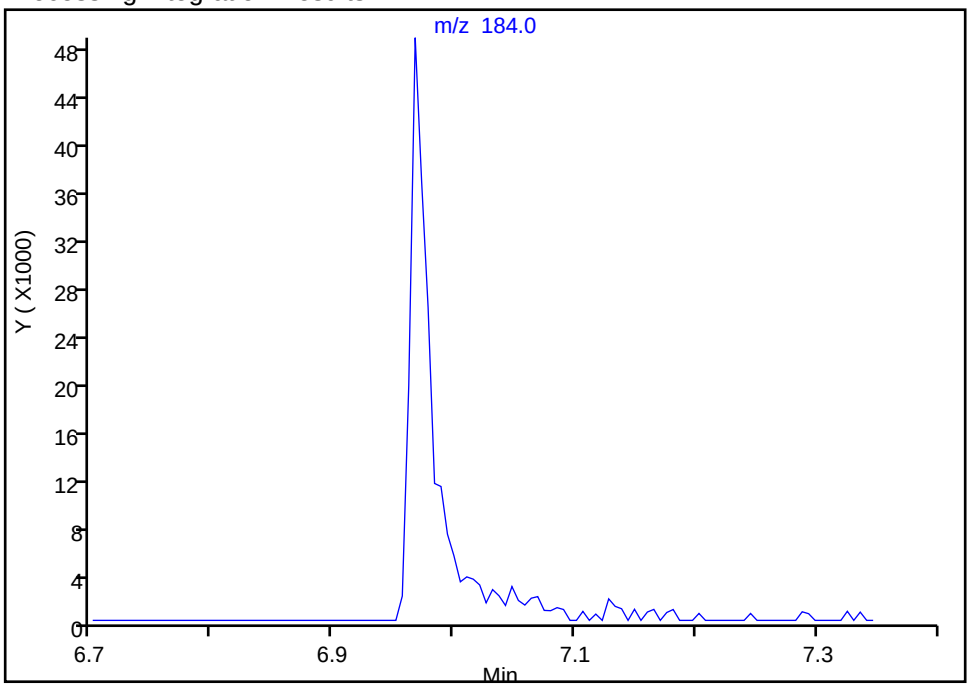
Data File: \\chromfs\Seattle\ChromData\TAC051\20220322-81877.b\32222A24.D
Injection Date: 22-Mar-2022 20:44:30 Instrument ID: TAC051
Lims ID: ccvc
Client ID:
Operator ID: JCM ALS Bottle#: 3 Worklist Smp#: 18
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

63 2,4-Dinitrophenol, CAS: 51-28-5

Signal: 1

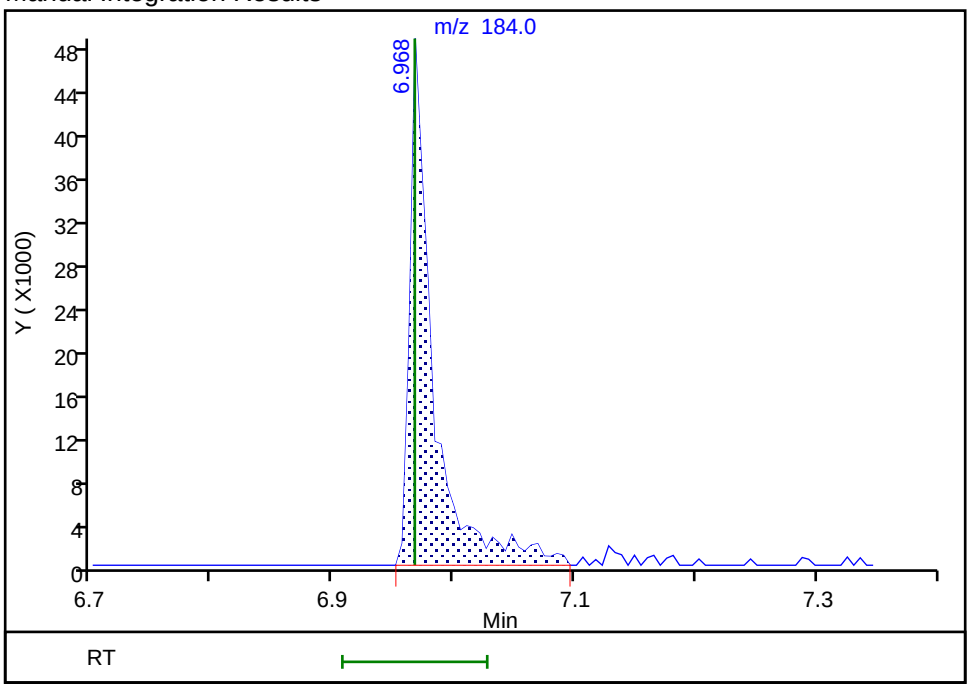
Not Detected
Expected RT: 6.97

Processing Integration Results



Manual Integration Results

RT: 6.97
Area: 65010
Amount: 1262.4492
Amount Units: ug/L



Reviewer: thaneeratw, 23-Mar-2022 11:36:41
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Seattle

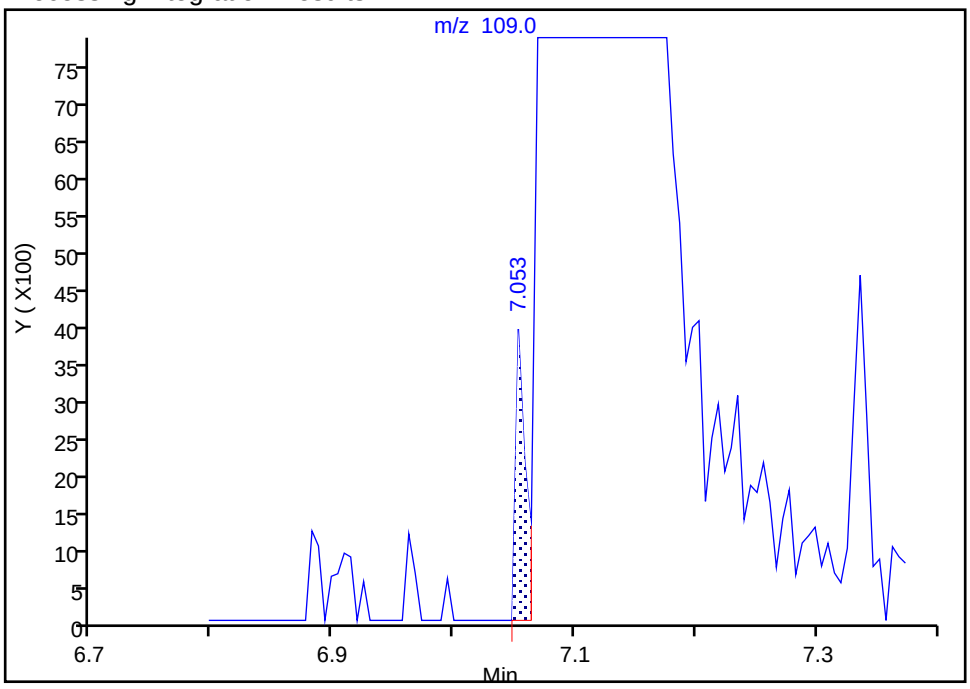
Data File: \\chromfs\Seattle\ChromData\TAC051\20220322-81877.b\32222A24.D
Injection Date: 22-Mar-2022 20:44:30 Instrument ID: TAC051
Lims ID: ccvc
Client ID:
Operator ID: JCM ALS Bottle#: 3 Worklist Smp#: 18
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

64 4-Nitrophenol, CAS: 100-02-7

Signal: 1

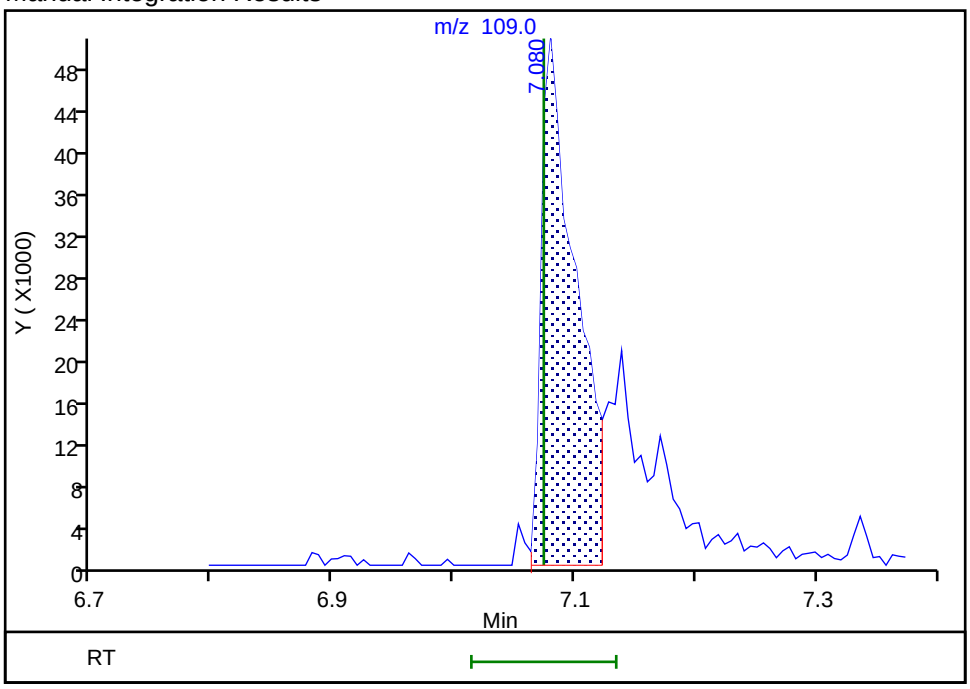
Processing Integration Results

RT: 7.05
Area: 2352
Amount: 814.6849
Amount Units: ug/L



Manual Integration Results

RT: 7.08
Area: 100420
Amount: 2044.3628
Amount Units: ug/L



Reviewer: thaneeratw, 23-Mar-2022 11:36:48
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Seattle

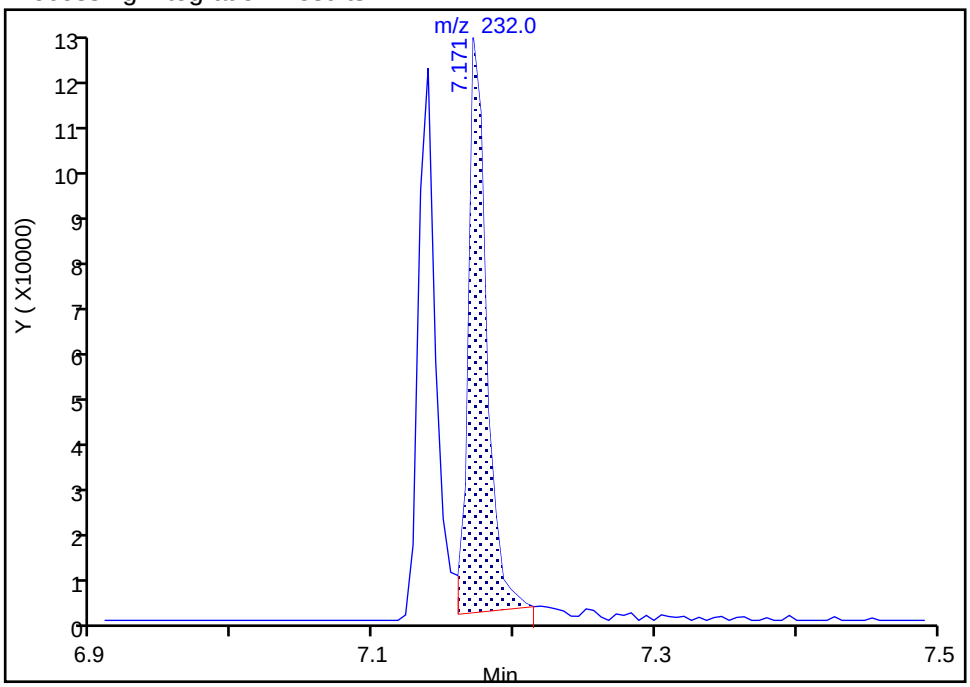
Data File: \\chromfs\Seattle\ChromData\TAC051\20220322-81877.b\32222A24.D
Injection Date: 22-Mar-2022 20:44:30 Instrument ID: TAC051
Lims ID: ccvc
Client ID:
Operator ID: JCM ALS Bottle#: 3 Worklist Smp#: 18
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

67 2,3,4,6-Tetrachlorophenol, CAS: 58-90-2

Signal: 1

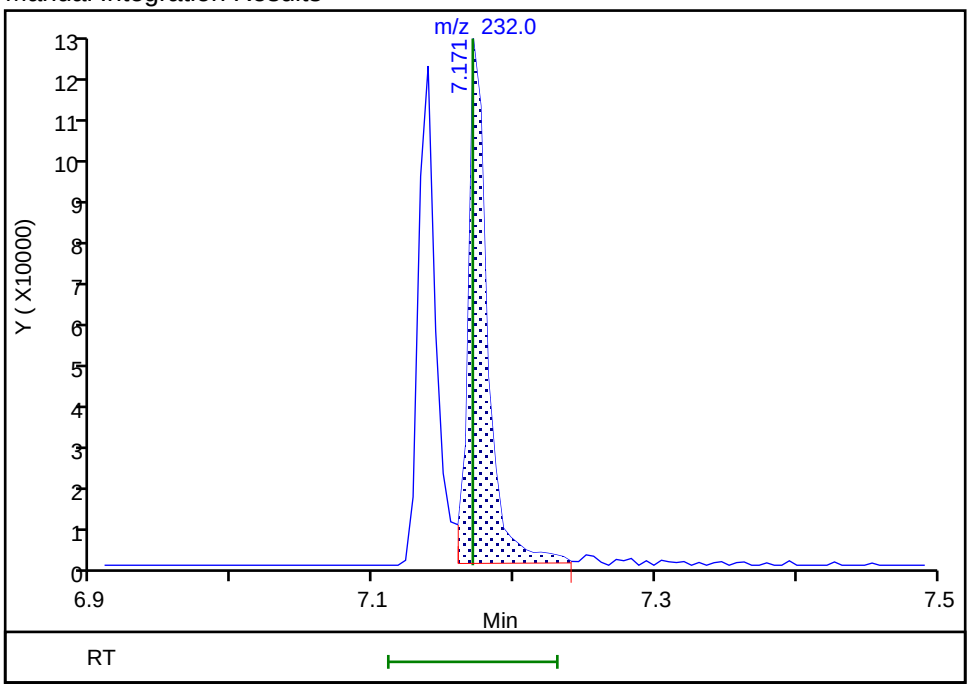
Processing Integration Results

RT: 7.17
Area: 109637
Amount: 900.3667
Amount Units: ug/L



Manual Integration Results

RT: 7.17
Area: 118200
Amount: 968.6549
Amount Units: ug/L



Reviewer: thaneeratw, 23-Mar-2022 11:37:07
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Seattle

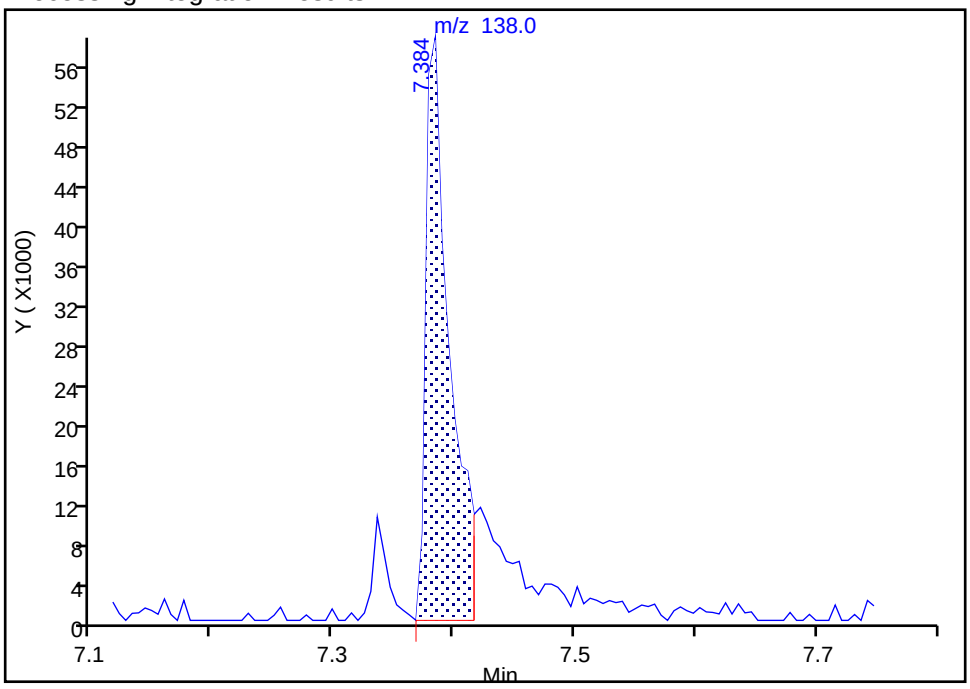
Data File: \\chromfs\Seattle\ChromData\TAC051\20220322-81877.b\32222A24.D
Injection Date: 22-Mar-2022 20:44:30 Instrument ID: TAC051
Lims ID: ccvc
Client ID:
Operator ID: JCM ALS Bottle#: 3 Worklist Smp#: 18
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

71 4-Nitroaniline, CAS: 100-01-6

Signal: 1

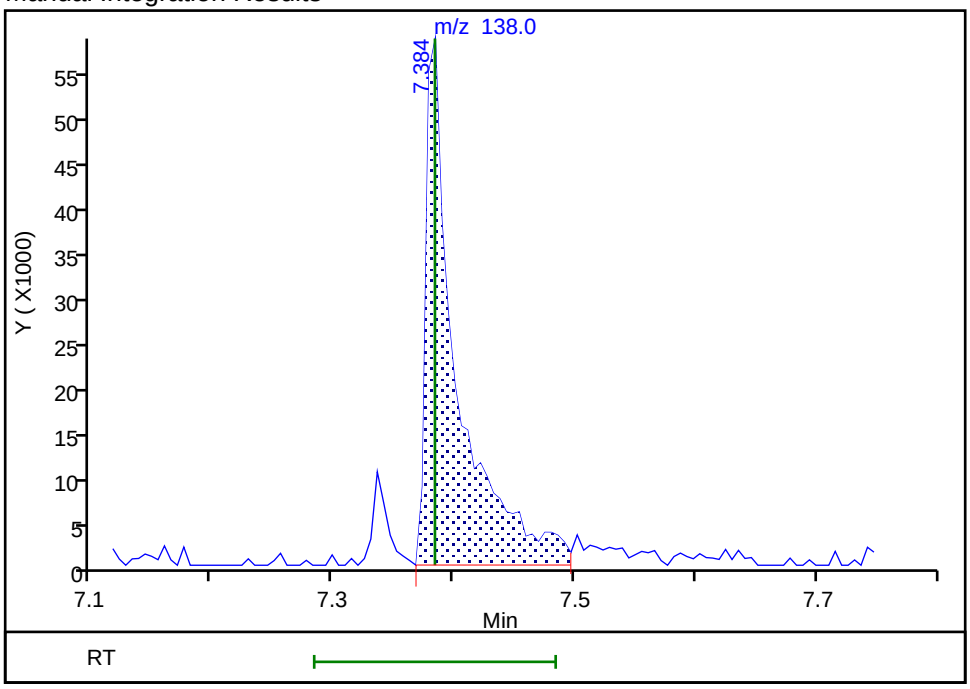
Processing Integration Results

RT: 7.38
Area: 79798
Amount: 751.3828
Amount Units: ug/L



Manual Integration Results

RT: 7.38
Area: 104526
Amount: 964.0695
Amount Units: ug/L



Reviewer: thaneeratw, 23-Mar-2022 11:37:38
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Seattle

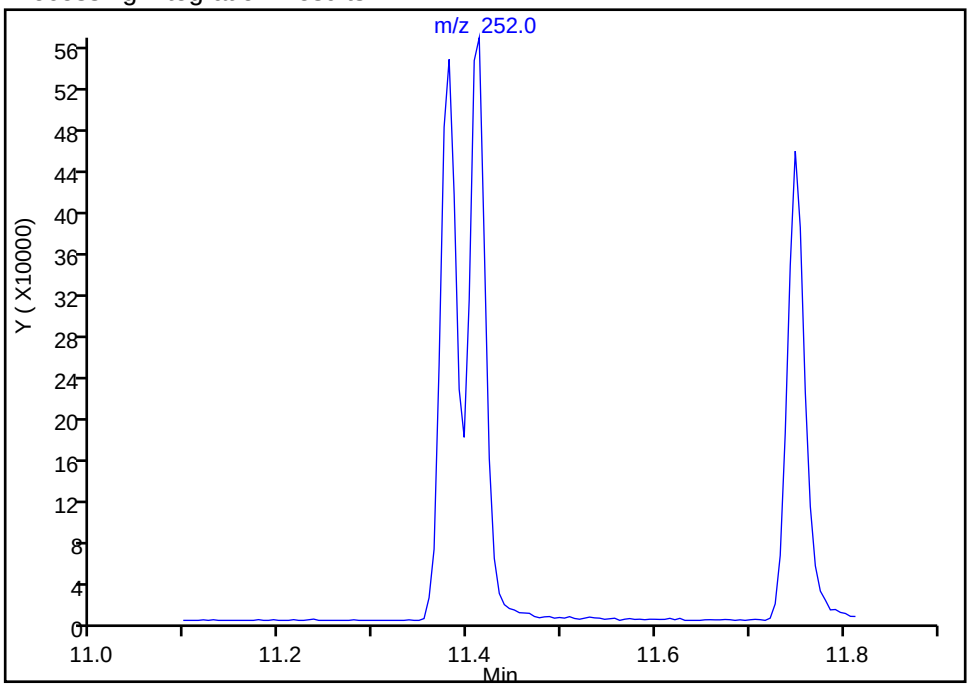
Data File: \\chromfs\Seattle\ChromData\TAC051\20220322-81877.b\32222A24.D
Injection Date: 22-Mar-2022 20:44:30 Instrument ID: TAC051
Lims ID: ccvc
Client ID:
Operator ID: JCM ALS Bottle#: 3 Worklist Smp#: 18
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

102 Benzofluoranthene, CAS: 56832-73-6

Signal: 1

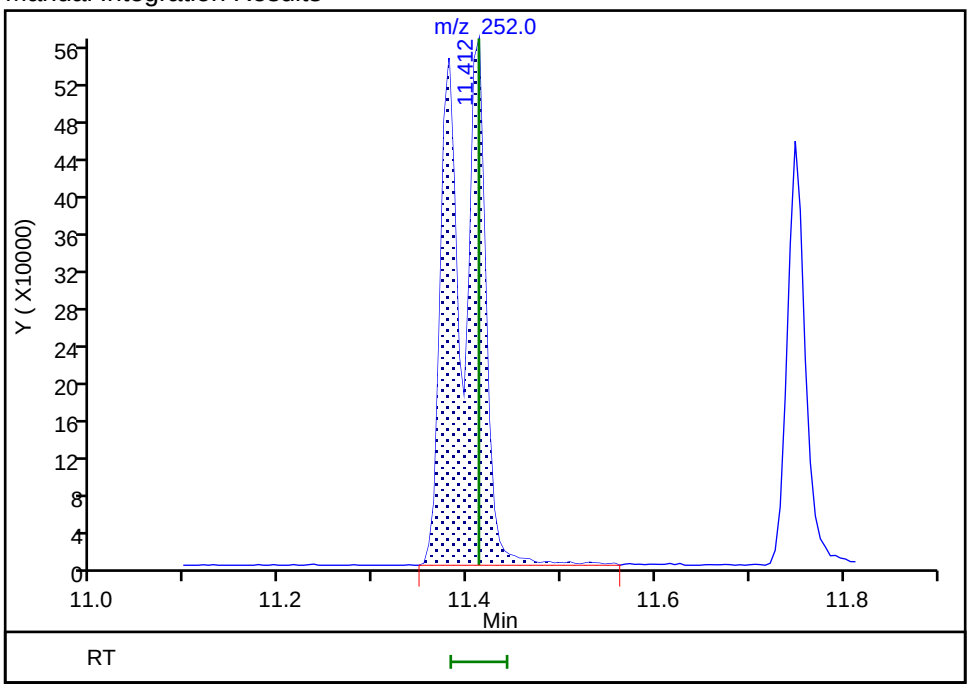
Not Detected
Expected RT: 11.41

Processing Integration Results



Manual Integration Results

RT: 11.41
Area: 1370859
Amount: 1940.2177
Amount Units: ug/L



Reviewer: thaneeratw, 23-Mar-2022 11:37:59
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC040\20220322-81863.b\40Scan032222a003.D
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 22-Mar-2022 12:06:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: DFTPP
Operator ID: jcm Instrument ID: TAC040

Method: \\chromfs\Seattle\ChromData\TAC040\20220322-81863.b\8270TAC040.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 22-Mar-2022 18:17:22 Calib Date: 21-Mar-2022 08:53:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC040\20220321-81841.b\40Scan032022x015.D

Column 1 : Det: MS SCAN
Process Host: CTX1668

First Level Reviewer: limmere Date: 22-Mar-2022 13:20:16

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
120 Pentachlorophenol_T	266	8.224	8.224	0.000	94	1045692	NR	NR	
121 DFTPP									
122 Benzidine_T	184	9.495	9.495	0.000	98	4193746	NR	NR	
123 4,4'-DDE	246	9.648	9.648	0.000	65	4169		NR	
124 4,4'-DDD	235	9.924	9.924	0.000	95	64177		NR	
125 4,4'-DDT	235	10.171	10.171	0.000	96	2639499	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

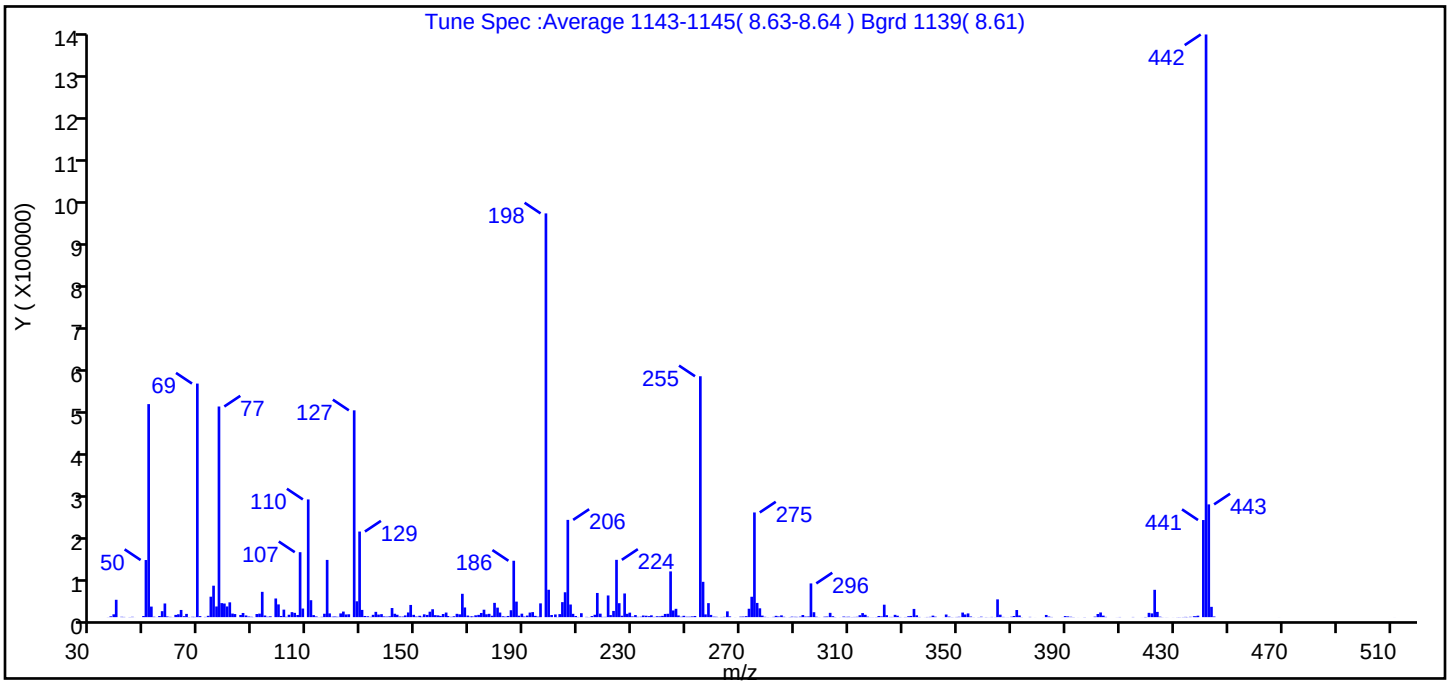
DFTPPx2_00044 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220322-81863.b\40Scan032222a003.D
Injection Date: 22-Mar-2022 12:06:30 Instrument ID: TAC040
Lims ID: DFTPP
Client ID:
Operator ID: jcm ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
Tune Method: DFTPP Method 525.2, BP 198

121 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >50% of 442	100.0 (69.3)
51	10-80% of the base peak	52.8
68	<2% of mass 69	0.1 (0.1)
69	Present	57.9
70	<2% of mass 69	0.3 (0.4)
127	10-80% of the base peak	51.2
197	<2% of mass 198	0.0
199	5-9% of mass 198	6.8
275	10-60% of the base peak	25.9
365	>1% of the base peak	4.4
441	Present and < mass 443	24.1 (86.1)
442	base peak, or >50% of 198	144.3
443	15-24% of mass 442	27.9 (19.4)

Data File: \\chromfs\Seattle\ChromData\TAC040\20220322-81863.b\40Scan032222a003.D\8270TAC040.rslt\spectra
Injection Date: 22-Mar-2022 12:06:30
Spectrum: Tune Spec :Average 1143-1145(8.63-8.64) Bgrd 1139(8.61)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 369

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	212	138.00	1658	233.00	1027	330.00	91
37.00	1972	139.00	1252	234.00	3915	331.00	429
38.00	6721	140.00	1941	235.00	3354	332.00	2249
39.00	41440	141.00	21752	236.00	2389	333.00	2853
41.00	807	142.00	8070	237.00	4322	334.00	19632
42.00	538	143.00	5690	238.00	611	335.00	4363
44.00	357	144.00	1537	239.00	2161	336.00	491
45.00	777	145.00	1372	240.00	1822	338.00	132
46.00	54	146.00	4075	241.00	3071	339.00	438
49.00	2685	147.00	11150	242.00	7645	340.00	710
50.00	136320	148.00	29112	243.00	8036	341.00	3588
51.00	508416	149.00	5509	244.00	109176	342.00	1134
52.00	25200	150.00	1430	245.00	15952	345.00	118
53.00	978	151.00	3266	246.00	19888	346.00	6258
54.00	158	152.00	1090	247.00	4036	347.00	1277
55.00	2679	153.00	6713	248.00	971	348.00	294
56.00	14235	154.00	5340	249.00	3217	349.00	60
57.00	32616	155.00	12972	250.00	1029	350.00	506
58.00	1659	156.00	18888	251.00	1102	351.00	882
59.00	666	157.00	4710	252.00	1818	352.00	10938
60.00	177	158.00	4242	253.00	2746	353.00	6376
61.00	5376	159.00	2940	255.00	574912	354.00	8902
62.00	6836	160.00	7445	256.00	84304	355.00	1504
63.00	17144	161.00	10963	257.00	6548	356.00	213
64.00	2280	162.00	2729	258.00	33440	358.00	299
65.00	7757	163.00	823	259.00	5313	359.00	1062
66.00	403	164.00	2135	260.00	1131	360.00	54
67.00	821	165.00	7929	261.00	859	361.00	365
68.00	607	166.00	6717	262.00	146	362.00	136
69.00	557440	167.00	55720	263.00	458	363.00	547
70.00	2495	168.00	23080	264.00	814	364.00	227
72.00	537	169.00	3795	265.00	13847	365.00	42432
73.00	3190	170.00	1531	266.00	1669	366.00	5865

Report Date: 22-Mar-2022 18:17:23 Chrom Revision: 2.3 18-Mar-2022 09:07:22
Data File: \\chromfs\Seattle\ChromData\TAC040\20220322-81863.b\40Scan032222a003.D\8270TAC040.rslt\spectra
Injection Date: 22-Mar-2022 12:06:30
Spectrum: Tune Spec :Average 1143-1145(8.63-8.64) Bgrd 1139(8.61)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 369

m/z	Y	m/z	Y	m/z	Y	m/z	Y
74.00	48800	171.00	1754	268.00	117	367.00	580
75.00	75064	172.00	4337	270.00	1209	368.00	125
76.00	25448	173.00	5430	271.00	1400	369.00	183
77.00	502720	174.00	9936	272.00	2310	370.00	1031
78.00	33464	175.00	17752	273.00	20048	371.00	2771
79.00	32504	176.00	6794	274.00	48648	372.00	16984
80.00	25504	177.00	7906	275.00	249856	373.00	4063
81.00	35336	178.00	3352	276.00	33920	374.00	276
82.00	8546	179.00	34080	277.00	21080	377.00	598
83.00	7365	180.00	22680	278.00	3659	379.00	70
85.00	5137	181.00	10972	279.00	806	382.00	104
86.00	9953	182.00	2082	280.00	285	383.00	5227
87.00	3999	183.00	1126	281.00	141	384.00	1409
88.00	1485	184.00	2806	282.00	686	385.00	473
89.00	878	185.00	16488	283.00	3138	389.00	128
90.00	180	186.00	134592	284.00	1703	390.00	2559
91.00	7432	187.00	37096	285.00	4242	391.00	1801
92.00	8364	188.00	3446	286.00	887	392.00	897
93.00	60384	189.00	8279	287.00	124	393.00	319
94.00	3866	190.00	1408	288.00	377	395.00	92
95.00	1017	191.00	3746	289.00	1144	397.00	333
96.00	2003	192.00	10913	290.00	832	401.00	1206
98.00	44520	193.00	12027	291.00	611	402.00	7531
99.00	30432	194.00	3052	292.00	1191	403.00	11167
100.00	2800	195.00	1216	293.00	5061	404.00	3623
101.00	17944	196.00	32904	294.00	1293	405.00	623
102.00	861	198.00	963584	295.00	1570	409.00	120
103.00	5718	199.00	65352	296.00	80496	410.00	417
104.00	11939	200.00	5107	297.00	11752	415.00	468
105.00	10238	201.00	6428	298.00	1037	418.00	57
106.00	5151	202.00	217	299.00	211	420.00	401
107.00	155008	203.00	7229	300.00	60	420.00	250
108.00	20536	204.00	35816	301.00	1176	421.00	10247
110.00	280960	205.00	59368	302.00	1390	422.00	8964

Report Date: 22-Mar-2022 18:17:23 Chrom Revision: 2.3 18-Mar-2022 09:07:22
Data File: \\chromfs\Seattle\ChromData\TAC040\20220322-81863.b\40Scan032222a003.D\8270TAC040.rslt\spectra
Injection Date: 22-Mar-2022 12:06:30
Spectrum: Tune Spec :Average 1143-1145(8.63-8.64) Bgrd 1139(8.61)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 369

m/z	Y	m/z	Y	m/z	Y	m/z	Y
111.00	40432	206.00	232128	303.00	10264	423.00	65224
112.00	4798	207.00	30152	304.00	2178	424.00	12511
113.00	1590	208.00	7928	305.00	373	425.00	1064
114.00	215	209.00	2669	307.00	127	426.00	224
115.00	727	210.00	496	308.00	1405	427.00	136
116.00	8104	211.00	9421	309.00	745	428.00	78
117.00	136576	213.00	631	310.00	1013	430.00	104
118.00	8933	214.00	286	311.00	380	431.00	236
119.00	1152	215.00	2599	312.00	551	432.00	301
120.00	1474	216.00	5688	313.00	808	434.00	362
121.00	876	217.00	57704	314.00	4630	434.00	597
122.00	8917	218.00	8300	315.00	9676	435.00	362
123.00	13304	219.00	585	316.00	5631	436.00	796
124.00	6420	220.00	678	317.00	1177	438.00	2163
125.00	6815	221.00	51752	318.00	216	438.00	1911
127.00	493568	222.00	4876	319.00	216	439.00	3445
128.00	37832	223.00	14846	320.00	355	441.00	231744
129.00	204288	224.00	136768	321.00	2758	442.00	1390592
130.00	17320	225.00	33280	322.00	1650	443.00	269120
131.00	2765	226.00	3374	323.00	29720	444.00	24576
132.00	2023	227.00	56480	324.00	4619	445.00	1513
133.00	760	228.00	7958	325.00	558	469.00	51
134.00	5534	229.00	10723	326.00	512	512.00	57
135.00	12633	230.00	1674	327.00	5485		
136.00	6139	231.00	4889	328.00	3349		
137.00	7153	232.00	770	329.00	427		

Report Date: 22-Mar-2022 18:17:23 Chrom Revision: 2.3 18-Mar-2022 09:07:22

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220322-81863.b\40Scan032222a003.D

Injection Date: 22-Mar-2022 12:06:30 Instrument ID: TAC040

Lims ID: DFTPP

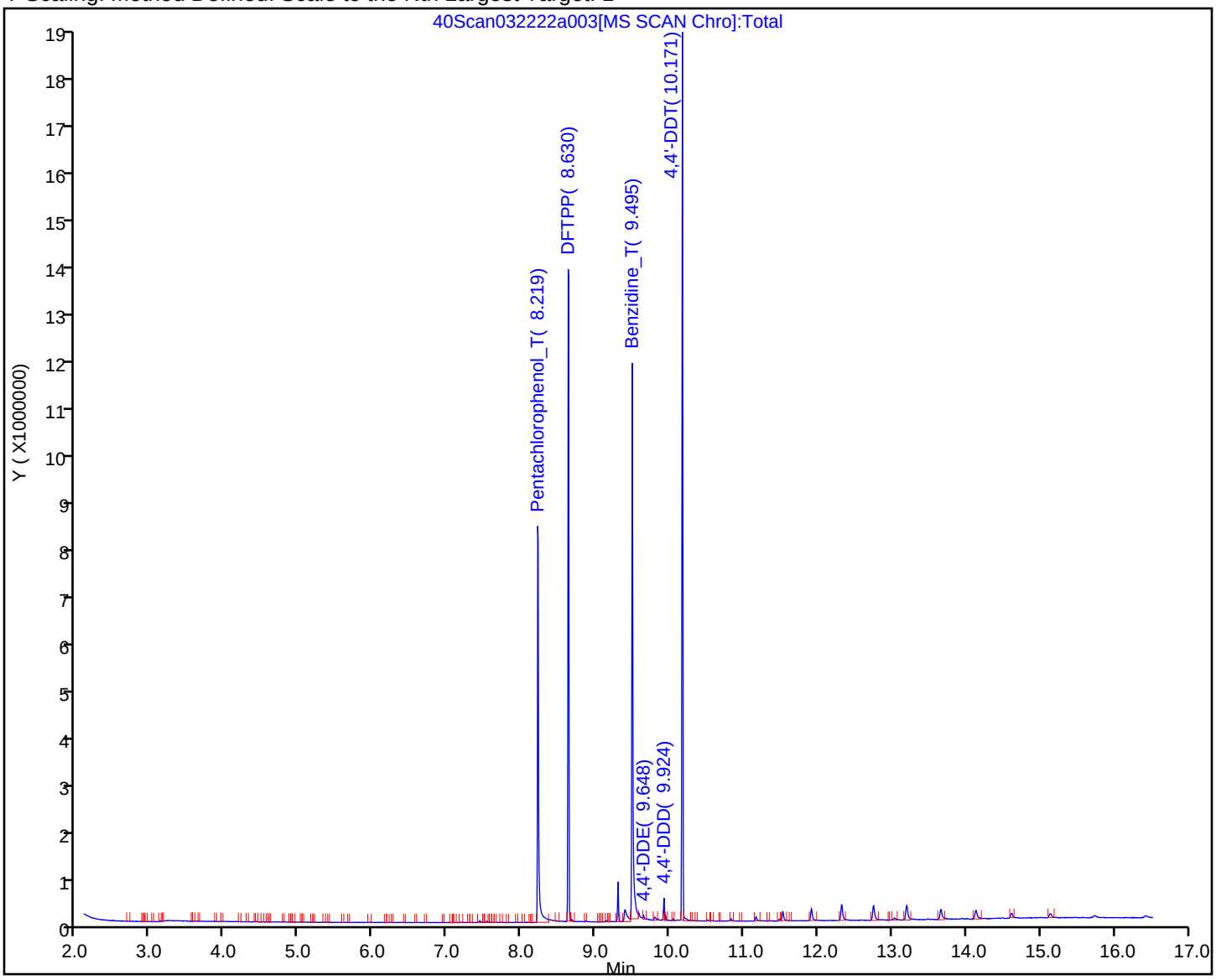
Client ID:

Operator ID: jcm ALS Bottle#: 2 Worklist Smp#: 2

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Breakdown Report

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220322-81863.b\40Scan032222a003.D
Injection Date: 22-Mar-2022 12:06:30 Instrument ID: TAC040
Lims ID: DFTPP
Client ID:
Operator ID: jcm ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0

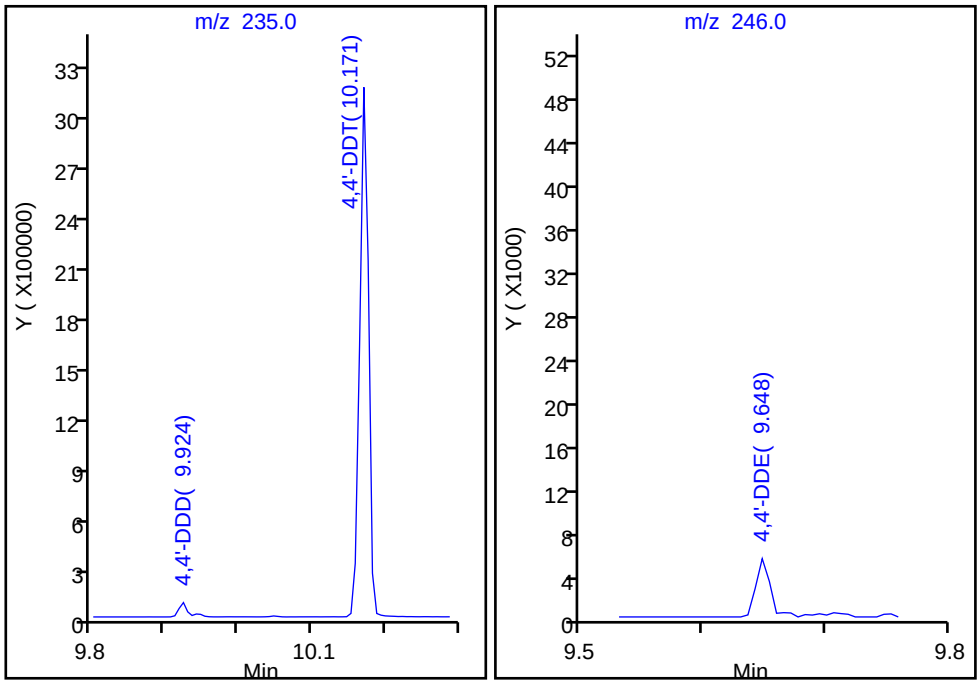
125 4,4'-DDT, Detector: MS SCAN

SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

125 4,4'-DDT, Area = 2639499
123 4,4'-DDE, Area = 4169
124 4,4'-DDD, Area = 64177

%Breakdown: 2.52%, <= 20.00%
Passed



Peak Tailing Report

Eurofins Seattle

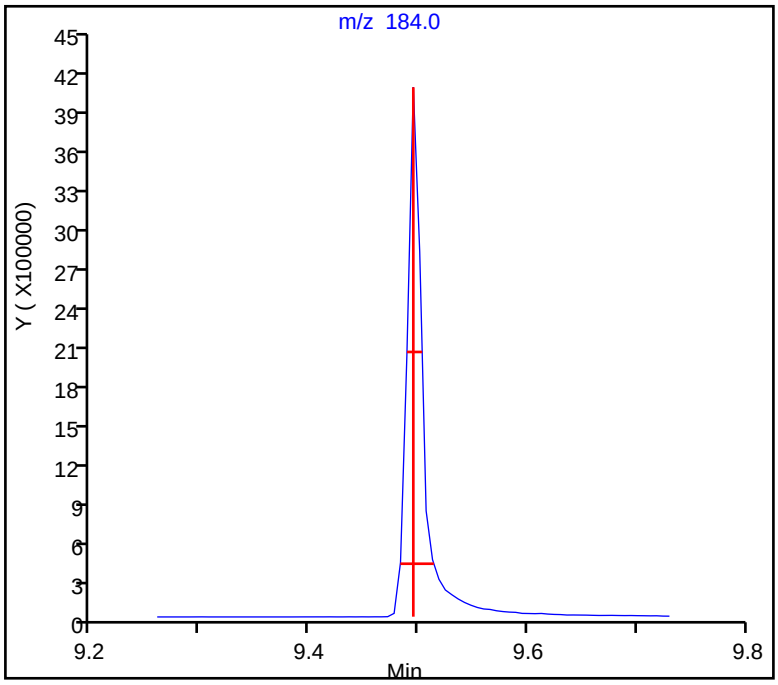
Data File: \\chromfs\Seattle\ChromData\TAC040\20220322-81863.b\40Scan032222a003.D
Injection Date: 22-Mar-2022 12:06:30 Instrument ID: TAC040
Lims ID: DFTPP
Client ID:
Operator ID: jcm ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0

122 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.019 (min.)
Front Width = 0.012 (min.)

Tailing Factor = 1.58, Max. Tailing <= 2.00
Passed



Peak Tailing Report

Eurofins Seattle

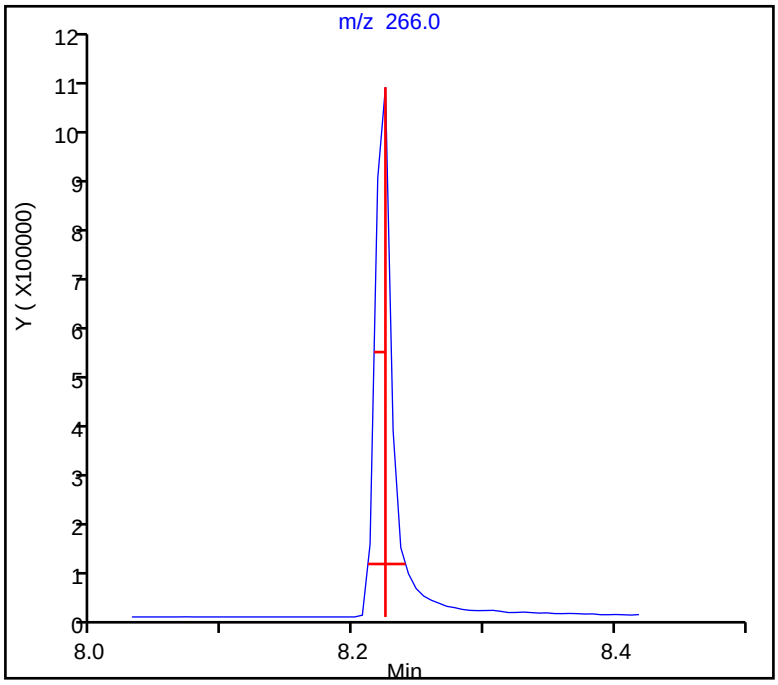
Data File: \\chromfs\Seattle\ChromData\TAC040\20220322-81863.b\40Scan032222a003.D
Injection Date: 22-Mar-2022 12:06:30 Instrument ID: TAC040
Lims ID: DFTPP
Client ID:
Operator ID: jcm ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0

120 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.015 (min.)
Front Width = 0.013 (min.)

Tailing Factor = 1.15, Max. Tailing <= 2.00
Passed



Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A08_.D
Lims ID: dftpp
Client ID:
Sample Type: DFTPP
Inject. Date: 24-Jan-2022 16:16:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: dftpp
Operator ID: TL Instrument ID: TAC051

Method: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 27-Jan-2022 15:44:19 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1640

First Level Reviewer: limmere Date: 24-Jan-2022 16:38:13

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
90 4,4'-DDE	246	9.417	9.417	0.000	16	4264		NR	
93 4,4'-DDD	235	9.689	9.689	0.000	85	80559		NR	
95 4,4'-DDT	235	9.940	9.940	0.000	95	5375736	NR	NR	
123 Pentachlorophenol_T	266	7.985	7.985	0.000	87	2451646	NR	NR	
124 DFTPP									
125 Benzidine_T	184	9.262	9.262	0.000	97	8692283	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

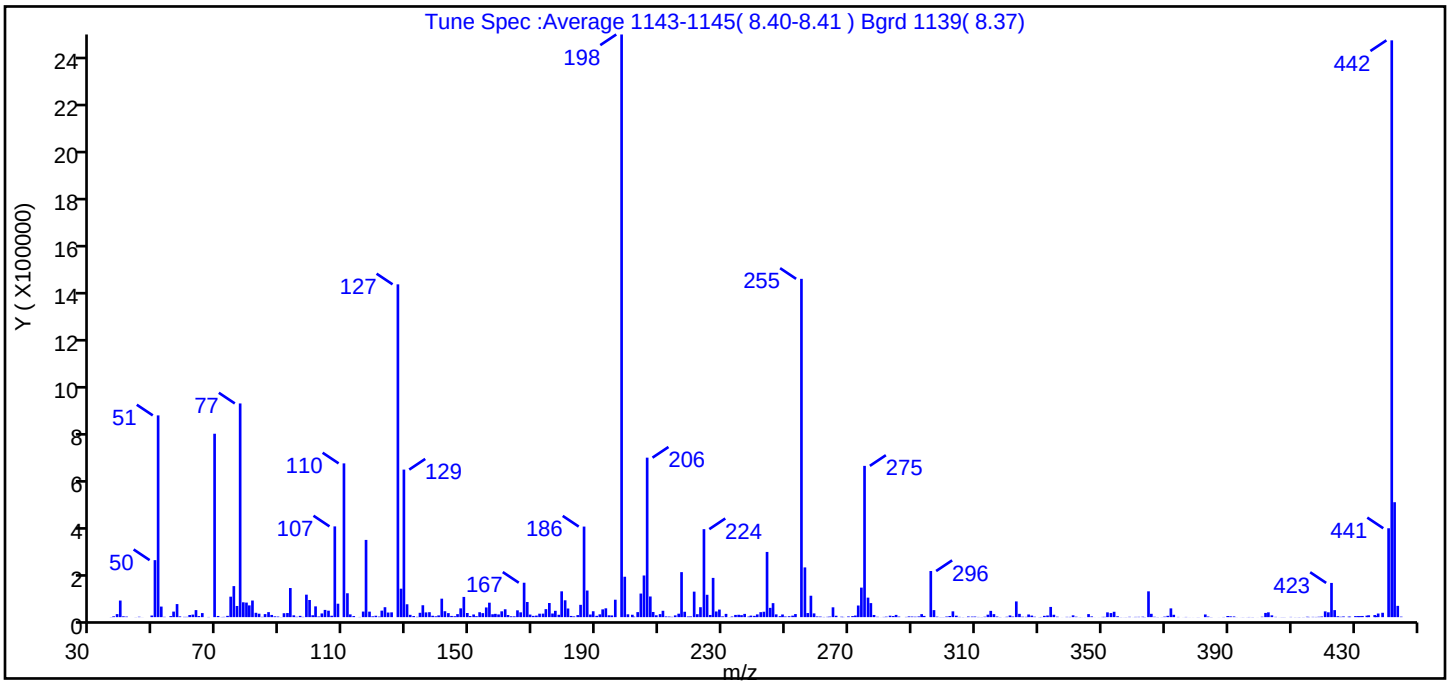
DFTPPx2_00044 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A08_.D
Injection Date: 24-Jan-2022 16:16:30 Instrument ID: TAC051
Lims ID: dftpp
Client ID:
Operator ID: TL ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Tune Method: DFTPP Method 8270E, BP 198

124 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base peak or present	100.0
68	<2% of m/z 69	0.0 (0.0)
69	Present	31.5
70	<2% of m/z 69	0.2 (0.6)
197	<2% of m/z 198	0.0
199	5-9% of m/z 198	6.9
365	>1% of m/z 198	4.4
441	<150% of m/z 443	15.3 (77.3)
442	Present	99.0
443	15-24% of m/z 442	19.7 (19.9)

Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A08_.D\8270 TAC051.rslt\spectra.d
Injection Date: 24-Jan-2022 16:16:30
Spectrum: Tune Spec :Average 1143-1145(8.40-8.41) Bgrd 1139(8.37)
Base Peak: 197.90
Minimum % Base Peak: 0
Number of Points: 390

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	630	142.00	25360	241.00	11741	343.00	452
37.00	3630	143.00	17240	242.00	21376	344.00	225
38.00	12928	144.00	5230	243.00	23096	345.00	218
39.00	71024	145.00	3935	244.00	278976	346.00	12996
40.00	3612	146.00	12873	245.00	39704	347.00	3144
41.00	2451	147.00	37640	246.00	59880	348.00	172
44.00	416	148.00	86560	247.00	11833	349.00	212
45.00	1677	149.00	17728	248.00	4063	350.00	1141
46.00	258	150.00	4948	249.00	11408	351.00	1201
49.00	6921	151.00	11418	250.00	2686	352.00	20472
50.00	243904	152.00	4013	251.00	3867	353.00	17472
51.00	863168	153.00	21024	252.00	6390	354.00	22960
52.00	45216	154.00	17160	253.00	13193	355.00	3689
53.00	1362	155.00	41440	255.00	1447424	356.00	479
55.00	4475	156.00	61856	256.00	212800	357.00	255
56.00	23776	157.00	12354	257.00	17456	358.00	488
57.00	55920	158.00	14109	258.00	91616	359.00	1483
58.00	3137	159.00	11574	259.00	16044	360.00	182
59.00	1216	160.00	24928	260.00	2878	361.00	1177
60.00	1221	161.00	33656	261.00	2348	362.00	1324
61.00	9102	162.00	9122	262.00	830	363.00	1972
62.00	10829	163.00	3717	263.00	1401	364.00	603
63.00	30128	164.00	3381	264.00	2327	365.00	110432
64.00	4404	165.00	29144	265.00	42056	366.00	14249
65.00	17392	166.00	20560	266.00	5887	367.00	1603
66.00	71	167.00	147264	268.00	1736	368.00	629
67.00	798	168.00	64816	268.00	1051	369.00	414
69.00	784704	169.00	11002	269.00	63	370.00	2218
70.00	5017	170.00	5447	270.00	2954	371.00	5660
71.00	805	171.00	6572	271.00	4549	372.00	37552
72.00	1205	172.00	14757	272.00	6742	373.00	10021
73.00	5599	173.00	14999	273.00	49784	374.00	981
74.00	87576	174.00	34208	274.00	126344	376.00	174

Report Date: 27-Jan-2022 15:44:19 Chrom Revision: 2.3 18-Jan-2022 20:25:40
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A08_.D\8270 TAC051.rslt\spectra.d
Injection Date: 24-Jan-2022 16:16:30
Spectrum: Tune Spec :Average 1143-1145(8.40-8.41) Bgrd 1139(8.37)
Base Peak: 197.90
Minimum % Base Peak: 0
Number of Points: 390

m/z	Y	m/z	Y	m/z	Y	m/z	Y
75.00	132800	175.00	60456	275.00	647232	377.00	901
76.00	47752	176.00	15556	276.00	83480	378.00	227
77.00	914304	177.00	27088	277.00	60056	379.00	196
78.00	63592	178.00	10107	278.00	9239	380.00	209
79.00	62264	179.00	110488	279.00	1671	381.00	346
80.00	50320	180.00	72120	280.00	247	383.00	11481
81.00	71072	181.00	36976	281.00	1008	384.00	2775
82.00	18664	182.00	5206	282.00	2054	385.00	591
83.00	14759	183.00	3163	283.00	6264	387.00	210
84.00	1239	184.00	8725	284.00	4708	389.00	718
85.00	12986	185.00	52704	285.00	9645	390.00	4875
86.00	21424	186.00	387520	286.00	2415	391.00	3488
87.00	9390	187.00	113864	288.00	1023	392.00	3007
88.00	3385	188.00	11147	289.00	3204	393.00	296
89.00	2558	189.00	25264	290.00	2575	394.00	175
90.00	465	190.00	5660	291.00	1923	395.00	437
91.00	16720	191.00	11960	292.00	3144	396.00	288
92.00	17600	192.00	33264	293.00	12898	397.00	765
93.00	124568	193.00	37752	294.00	5248	398.00	632
94.00	7772	194.00	7828	296.00	197312	400.00	172
95.00	1630	195.00	7232	297.00	30024	401.00	1811
96.00	5523	196.00	74568	298.00	2147	402.00	18048
97.00	1150	198.00	2492928	299.00	610	403.00	20608
98.00	96176	199.00	172864	300.00	589	404.00	7694
99.00	73336	200.00	12171	301.00	2621	405.00	1161
100.00	8002	201.00	10200	302.00	4963	406.00	172
101.00	46120	202.00	2214	303.00	24856	407.00	496
102.00	2653	203.00	21520	304.00	6172	408.00	481
103.00	15883	204.00	100928	305.00	1156	410.00	1023
104.00	30960	205.00	178240	306.00	555	411.00	449
105.00	27576	206.00	682368	307.00	186	412.00	453
106.00	6049	207.00	88376	308.00	2816	413.00	300
107.00	388288	208.00	22096	309.00	2308	414.00	518
108.00	57488	209.00	7989	310.00	2547	415.00	1716

Report Date: 27-Jan-2022 15:44:19 Chrom Revision: 2.3 18-Jan-2022 20:25:40
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A08_.D\8270 TAC051.rslt\spectra.d
Injection Date: 24-Jan-2022 16:16:30
Spectrum: Tune Spec :Average 1143-1145(8.40-8.41) Bgrd 1139(8.37)
Base Peak: 197.90
Minimum % Base Peak: 0
Number of Points: 390

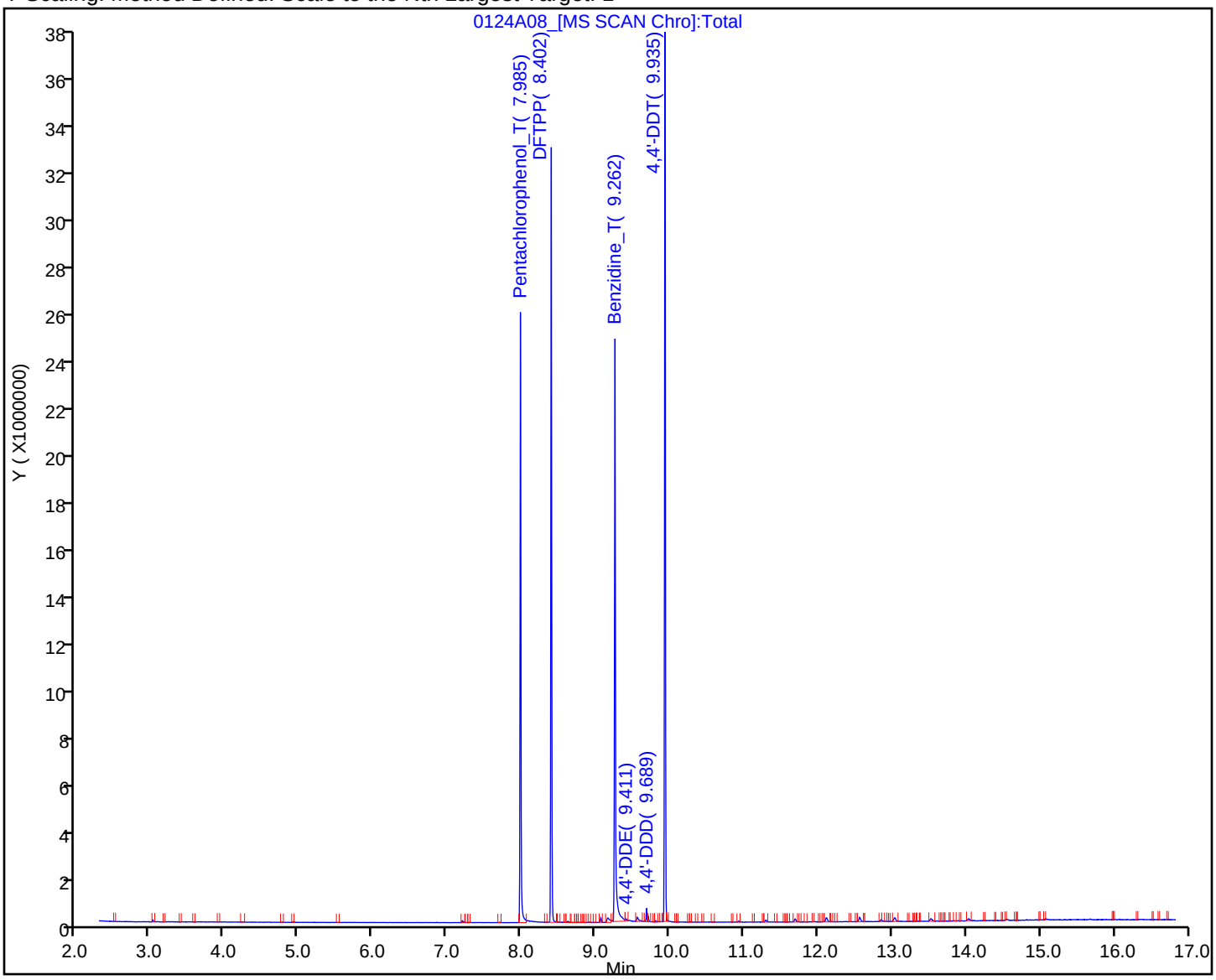
m/z	Y	m/z	Y	m/z	Y	m/z	Y
110.00	657856	210.00	12916	311.00	903	416.00	962
111.00	102232	211.00	27232	312.00	600	417.00	1196
112.00	11781	212.00	2998	313.00	1857	418.00	906
113.00	4580	213.00	2529	314.00	10500	419.00	1685
114.00	130	214.00	1342	315.00	26856	420.00	2583
115.00	859	215.00	7493	316.00	12857	421.00	24712
116.00	23880	216.00	14751	317.00	2711	422.00	20664
117.00	330432	217.00	192576	318.00	665	423.00	146432
118.00	23576	218.00	23040	319.00	183	424.00	30040
119.00	3508	219.00	2858	320.00	1631	425.00	3826
120.00	6003	220.00	3093	321.00	7290	426.00	1572
121.00	2400	221.00	109144	322.00	2520	427.00	2945
122.00	27872	222.00	12560	323.00	67304	428.00	1944
123.00	42488	223.00	42536	324.00	14029	429.00	2096
124.00	19696	224.00	376448	325.00	2016	430.00	4491
125.00	20488	225.00	95696	326.00	1309	431.00	4607
127.00	1423872	226.00	9330	327.00	11399	432.00	4418
128.00	121736	227.00	167936	328.00	6666	433.00	5029
129.00	631296	228.00	24296	329.00	1841	434.00	6376
130.00	55072	229.00	32432	330.00	586	435.00	7829
131.00	9917	230.00	3338	331.00	863	437.00	8969
132.00	4695	231.00	13975	332.00	5628	437.00	5602
133.00	1436	232.00	382	333.00	7140	438.00	15503
134.00	18576	233.00	2758	334.00	43680	439.00	18688
135.00	50920	234.00	9512	335.00	10180	441.00	380288
136.00	20288	235.00	10145	336.00	2094	442.00	2467840
137.00	21160	236.00	8508	338.00	169	443.00	491712
138.00	5955	237.00	13940	339.00	1242	444.00	48248
139.00	3521	238.00	2704	340.00	1045	445.00	2134
140.00	7368	239.00	6590	341.00	7781		
141.00	79056	240.00	5479	342.00	1919		

Report Date: 27-Jan-2022 15:44:19 Chrom Revision: 2.3 18-Jan-2022 20:25:40

Eurofins Seattle

Data File:	\\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A08_.D				
Injection Date:	24-Jan-2022 16:16:30	Instrument ID:	TAC051		
Lims ID:	dftpp				
Client ID:					
Operator ID:	TL	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270 TAC051	Limit Group:	8270D BNA QSM 5.0		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Breakdown Report

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A08_.D
Injection Date: 24-Jan-2022 16:16:30 Instrument ID: TAC051
Lims ID: dftpp
Client ID:
Operator ID: TL ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0

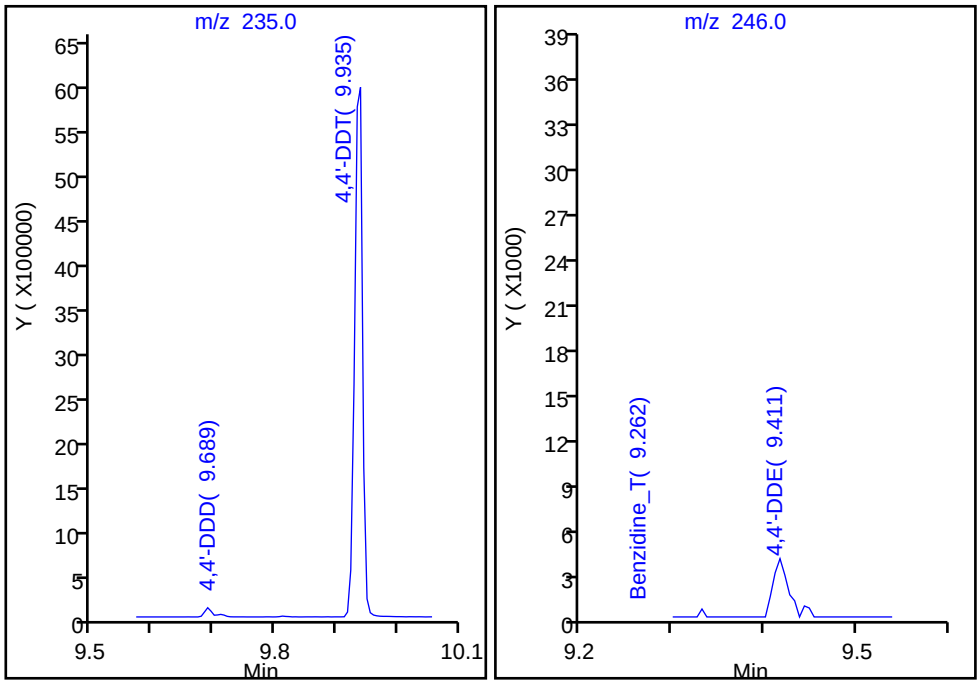
95 4,4'-DDT, Detector: MS SCAN

SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

95 4,4'-DDT, Area = 5375736
90 4,4'-DDE, Area = 4264
93 4,4'-DDD, Area = 80559

%Breakdown: 1.55%, <= 20.00%
Passed



Peak Tailing Report

Eurofins Seattle

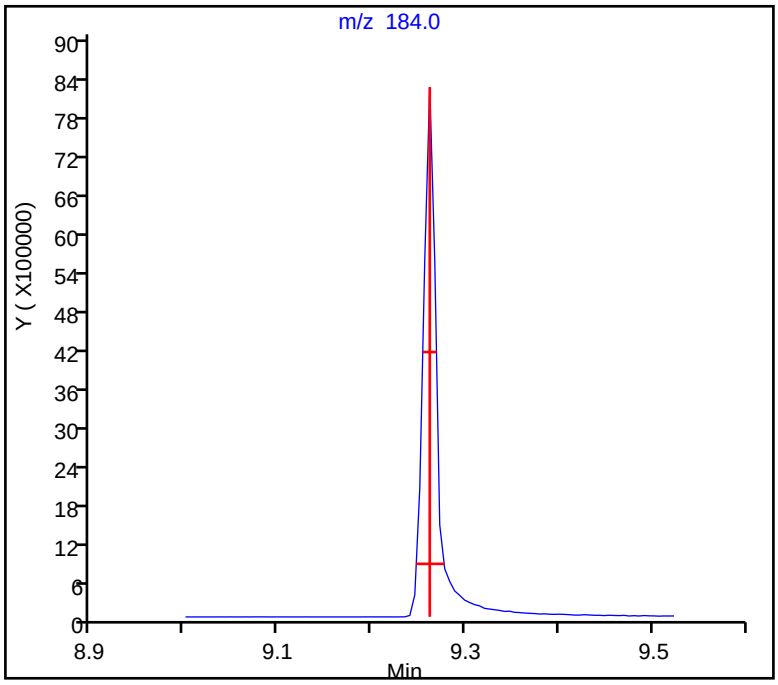
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A08_.D
Injection Date: 24-Jan-2022 16:16:30 Instrument ID: TAC051
Lims ID: dftpp
Client ID:
Operator ID: TL ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0

125 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.015 (min.)
Front Width = 0.014 (min.)

Tailing Factor = 1.07, Max. Tailing <= 2.00
Passed



Peak Tailing Report

Eurofins Seattle

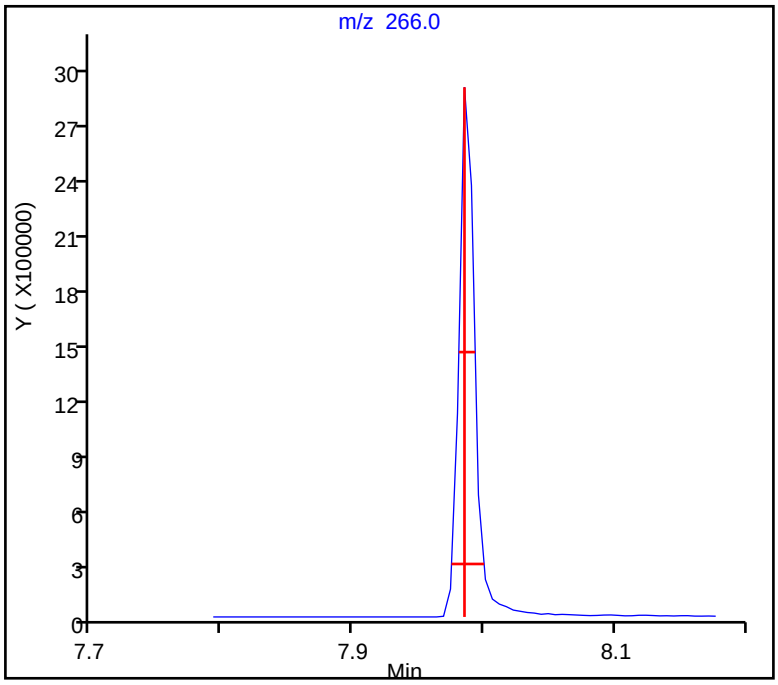
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A08_.D
Injection Date: 24-Jan-2022 16:16:30 Instrument ID: TAC051
Lims ID: dftpp
Client ID:
Operator ID: TL ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0

123 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.015 (min.)
Front Width = 0.010 (min.)

Tailing Factor = 1.50, Max. Tailing <= 2.00
Passed



Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220317-81787.b\31722A06.D
Lims ID: dftpp
Client ID:
Sample Type: DFTPP
Inject. Date: 17-Mar-2022 12:03:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: DFTPP
Operator ID: TL Instrument ID: TAC051

Method: \\chromfs\Seattle\ChromData\TAC051\20220317-81787.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 17-Mar-2022 16:54:29 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1602

First Level Reviewer: limmere Date: 17-Mar-2022 16:54:29

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
90 4,4'-DDE	246	9.385	9.385	0.000	1	2824		NR	
93 4,4'-DDD	235	9.668	9.668	0.000	89	49102		NR	
95 4,4'-DDT	235	9.913	9.913	0.000	94	4643889	NR	NR	a
123 Pentachlorophenol_T	266	7.969	7.969	0.000	90	1853894	NR	NR	a
124 DFTPP									
125 Benzidine_T	184	9.240	9.240	0.000	97	5599322	NR	NR	a

QC Flag Legend

Processing Flags
NR - Missing Quant Standard
Review Flags
a - User Assigned ID

Reagents:

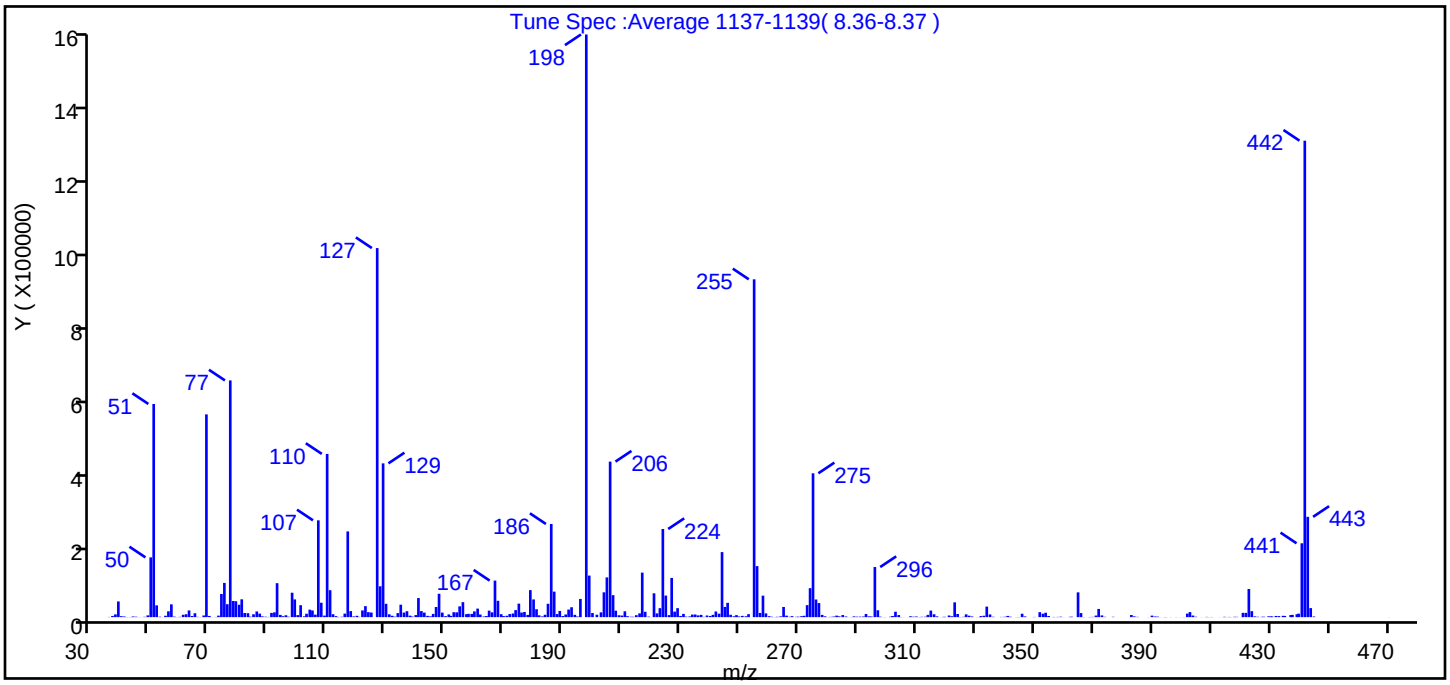
DFTPPx2_00044 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC051\20220317-81787.b\31722A06.D
Injection Date: 17-Mar-2022 12:03:30 Instrument ID: TAC051
Lims ID: dftpp
Client ID:
Operator ID: TL ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Tune Method: DFTPP Method 8270E, BP 198

124 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base peak or present	100.0
68	<2% of m/z 69	0.3 (0.8)
69	Present	34.8
70	<2% of m/z 69	0.2 (0.6)
197	<2% of m/z 198	0.0
199	5-9% of m/z 198	7.1
365	>1% of m/z 198	4.3
441	<150% of m/z 443	12.7 (73.6)
442	Present	81.8
443	15-24% of m/z 442	17.2 (21.0)

Data File: \\chromfs\Seattle\ChromData\TAC051\20220317-81787.b\31722A06.D\8270 TAC051.rslt\spectra.d
Injection Date: 17-Mar-2022 12:03:30
Spectrum: Tune Spec :Average 1137-1139(8.36-8.37)
Base Peak: 197.90
Minimum % Base Peak: 0
Number of Points: 382

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	569	133.00	1328	231.00	8927	329.00	1885
37.00	3311	134.00	11046	232.00	1461	330.00	193
38.00	7578	135.00	34208	233.00	1978	332.00	403
39.00	43072	136.00	12568	234.00	7035	332.00	2976
40.00	2648	137.00	16317	235.00	7289	333.00	3892
41.00	1860	138.00	4107	236.00	4796	334.00	28928
42.00	434	139.00	1682	237.00	6266	335.00	7368
43.00	461	140.00	5672	238.00	773	336.00	1050
44.00	1863	141.00	52392	239.00	4520	339.00	655
45.00	1229	142.00	16600	240.00	3151	340.00	1027
46.00	222	143.00	12469	241.00	6372	341.00	3379
47.00	167	144.00	3554	242.00	15524	342.00	1214
48.00	871	145.00	2245	243.00	9487	344.00	253
49.00	4886	146.00	8881	244.00	178432	345.00	443
50.00	163968	147.00	27808	245.00	28064	346.00	9336
51.00	584832	148.00	64136	246.00	39248	347.00	1996
52.00	32392	149.00	12474	247.00	6533	350.00	571
53.00	1242	150.00	2806	248.00	2284	352.00	13680
54.00	179	151.00	7485	249.00	5562	353.00	9470
55.00	3820	152.00	3460	250.00	1923	354.00	12125
56.00	16034	153.00	13519	251.00	3434	355.00	3212
57.00	35152	154.00	13195	252.00	2451	357.00	592
58.00	1445	155.00	29664	253.00	8154	357.00	173
59.00	229	156.00	41064	255.00	926784	358.00	633
60.00	806	157.00	8243	256.00	140032	359.00	1233
61.00	6536	158.00	9065	257.00	11523	360.00	228
62.00	7922	159.00	8908	258.00	58928	362.00	741
63.00	18376	160.00	15819	259.00	10284	363.00	1253
64.00	3150	161.00	23448	260.00	2634	365.00	68016
65.00	10730	162.00	7157	261.00	1127	366.00	11127
66.00	855	163.00	1731	262.00	433	367.00	377
67.00	294	164.00	3063	263.00	954	368.00	223
68.00	4552	165.00	17832	264.00	2028	369.00	505

Report Date: 17-Mar-2022 16:54:29 Chrom Revision: 2.3 16-Feb-2022 17:52:00
Data File: \\chromfs\Seattle\ChromData\TAC051\20220317-81787.b\31722A06.D\8270 TAC051.rslt\spectra.d
Injection Date: 17-Mar-2022 12:03:30
Spectrum: Tune Spec :Average 1137-1139(8.36-8.37)
Base Peak: 197.90
Minimum % Base Peak: 0
Number of Points: 382

m/z	Y	m/z	Y	m/z	Y	m/z	Y
69.00	556224	166.00	13179	265.00	27912	370.00	757
70.00	3291	167.00	100240	266.00	4090	371.00	4334
71.00	208	168.00	44872	267.00	1063	372.00	22472
72.00	547	169.00	8105	268.00	2679	373.00	4727
73.00	4127	170.00	2997	269.00	850	374.00	908
74.00	63584	171.00	3795	270.00	1272	377.00	978
75.00	93848	172.00	8465	271.00	2659	383.00	5845
76.00	35456	173.00	9978	272.00	3707	384.00	2098
77.00	649408	174.00	19328	273.00	32944	385.00	775
78.00	44304	175.00	37096	274.00	79440	389.00	227
79.00	43680	176.00	12608	275.00	394624	390.00	4177
80.00	33992	177.00	14194	276.00	48384	391.00	1749
81.00	48936	178.00	6152	277.00	38648	392.00	1482
82.00	11314	179.00	74112	278.00	6144	393.00	192
83.00	10857	180.00	48624	279.00	2238	394.00	365
84.00	1330	181.00	21656	280.00	316	395.00	254
85.00	7934	182.00	4964	281.00	828	396.00	234
86.00	15629	183.00	2046	282.00	1690	398.00	296
87.00	9599	184.00	6518	283.00	4168	400.00	171
88.00	2113	185.00	36648	284.00	2205	401.00	363
89.00	1211	186.00	255616	285.00	5752	402.00	9671
90.00	570	187.00	69992	286.00	1777	403.00	13868
91.00	11594	188.00	8474	287.00	191	404.00	4391
92.00	13145	189.00	16936	288.00	296	405.00	1132
93.00	93208	190.00	3098	289.00	2067	407.00	187
94.00	6148	191.00	7290	290.00	1346	408.00	666
95.00	2570	192.00	20816	291.00	1390	409.00	329
96.00	5206	193.00	27176	292.00	1697	410.00	451
97.00	1238	194.00	6407	293.00	8663	413.00	208
98.00	67016	195.00	1822	294.00	2231	414.00	275
99.00	48600	196.00	49912	295.00	1776	415.00	874
100.00	5572	198.00	1598464	296.00	137472	416.00	622
101.00	32808	199.00	114048	297.00	18832	417.00	326
102.00	2225	200.00	11272	298.00	1227	418.00	916

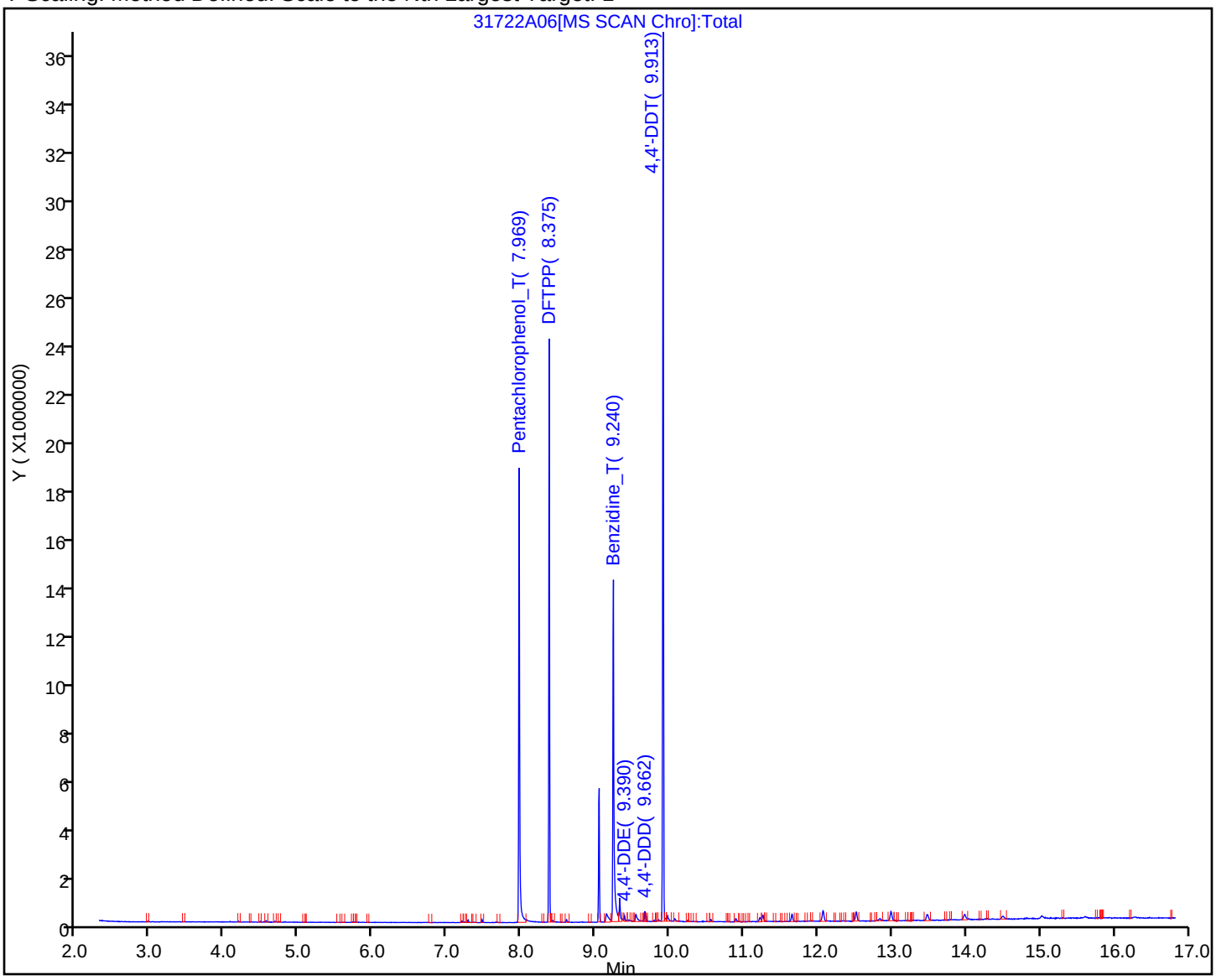
Report Date: 17-Mar-2022 16:54:29 Chrom Revision: 2.3 16-Feb-2022 17:52:00
Data File: \\chromfs\Seattle\ChromData\TAC051\20220317-81787.b\31722A06.D\8270 TAC051.rslt\spectra.d
Injection Date: 17-Mar-2022 12:03:30
Spectrum: Tune Spec :Average 1137-1139(8.36-8.37)
Base Peak: 197.90
Minimum % Base Peak: 0
Number of Points: 382

m/z	Y	m/z	Y	m/z	Y	m/z	Y
103.00	9293	202.00	6615	299.00	383	419.00	823
104.00	20520	203.00	13113	301.00	1207	420.00	262
105.00	18320	204.00	68088	302.00	3224	421.00	11786
106.00	6840	205.00	109056	303.00	14903	422.00	11695
107.00	265600	206.00	426688	304.00	5664	423.00	77192
108.00	39528	207.00	60336	305.00	461	424.00	16448
109.00	4212	208.00	17648	306.00	170	425.00	2032
110.00	447808	209.00	5146	307.00	209	426.00	1102
111.00	73928	210.00	4343	308.00	2437	427.00	878
112.00	7990	211.00	15987	309.00	1261	428.00	1207
113.00	2784	212.00	2693	310.00	1728	430.00	2259
114.00	619	213.00	1153	311.00	336	430.00	2288
115.00	1051	214.00	992	312.00	935	431.00	1170
116.00	9682	215.00	5372	313.00	1197	432.00	3263
117.00	235200	216.00	10270	314.00	6220	433.00	2862
118.00	16528	217.00	122104	315.00	18016	434.00	3583
119.00	2012	218.00	14770	316.00	7889	435.00	3259
120.00	3671	219.00	1443	317.00	2160	437.00	5726
121.00	800	220.00	172	318.00	169	438.00	6289
122.00	18440	221.00	65400	319.00	689	439.00	7934
123.00	30160	222.00	10298	320.00	888	440.00	9615
124.00	13671	223.00	24664	321.00	4472	441.00	202624
125.00	12653	224.00	241792	322.00	2368	442.00	1307136
127.00	1012480	225.00	59168	323.00	40584	443.00	275136
128.00	84656	226.00	5499	324.00	8669	444.00	24824
129.00	421888	227.00	107576	325.00	411	445.00	1750
130.00	36608	228.00	15173	326.00	977	470.00	169
131.00	7759	229.00	24656	327.00	7691		
132.00	3738	230.00	3346	328.00	3994		

Report Date: 17-Mar-2022 16:54:30 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC051\20220317-81787.b\31722A06.D
Injection Date: 17-Mar-2022 12:03:30 Instrument ID: TAC051
Lims ID: dftpp
Client ID:
Operator ID: TL ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Breakdown Report

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC051\20220317-81787.b\31722A06.D
Injection Date: 17-Mar-2022 12:03:30 Instrument ID: TAC051
Lims ID: dftpp
Client ID:
Operator ID: TL ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0

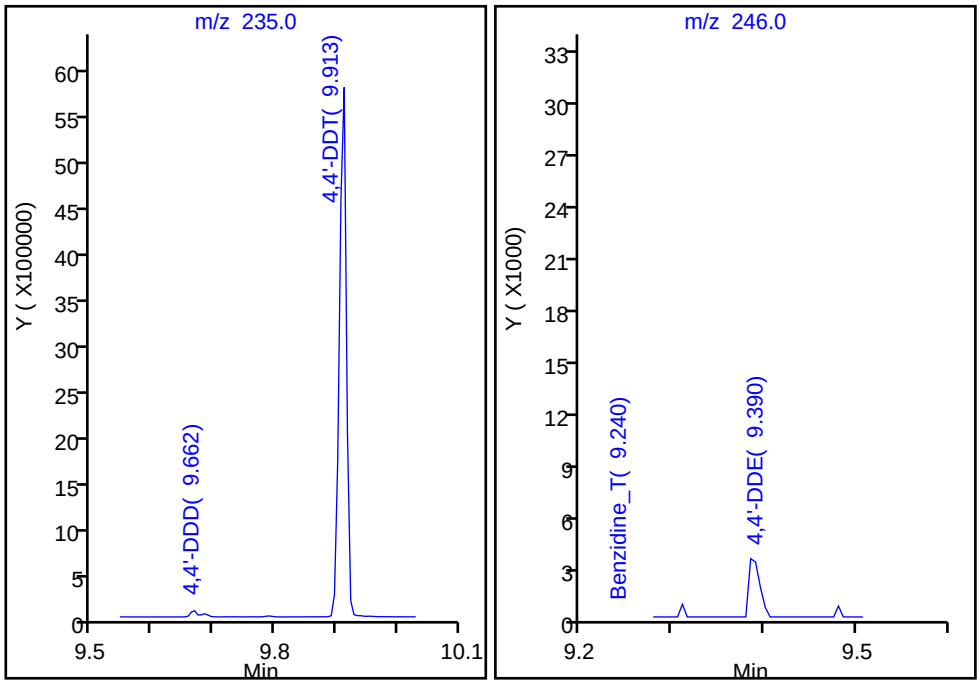
95 4,4'-DDT, Detector: MS SCAN

SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

95 4,4'-DDT, Area = 4643889
90 4,4'-DDE, Area = 2824
93 4,4'-DDD, Area = 49102

%Breakdown: 1.11%, <= 20.00%
Passed



Peak Tailing Report

Eurofins Seattle

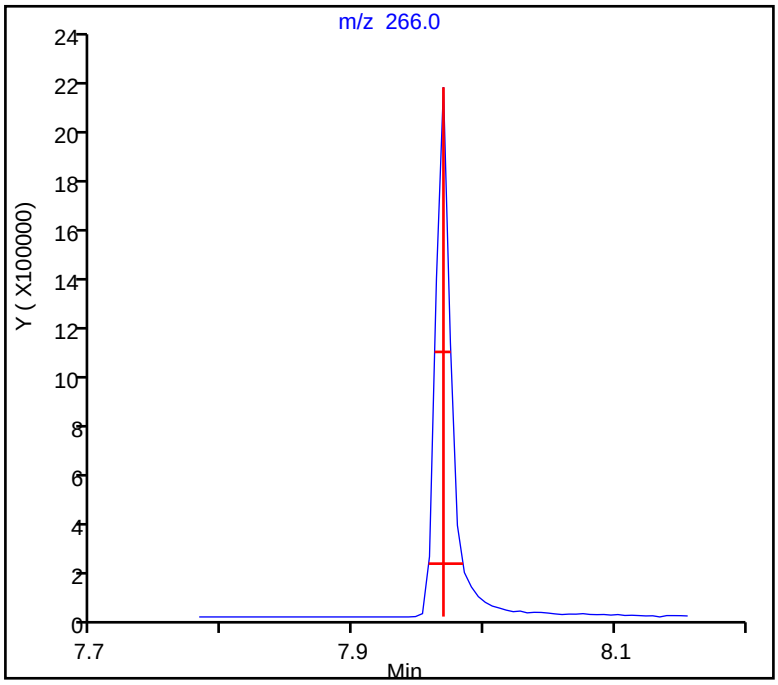
Data File: \\chromfs\Seattle\ChromData\TAC051\20220317-81787.b\31722A06.D
Injection Date: 17-Mar-2022 12:03:30 Instrument ID: TAC051
Lims ID: dftpp
Client ID:
Operator ID: TL ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0

123 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.015 (min.)
Front Width = 0.011 (min.)

Tailing Factor = 1.36, Max. Tailing <= 2.00
Passed



Peak Tailing Report

Eurofins Seattle

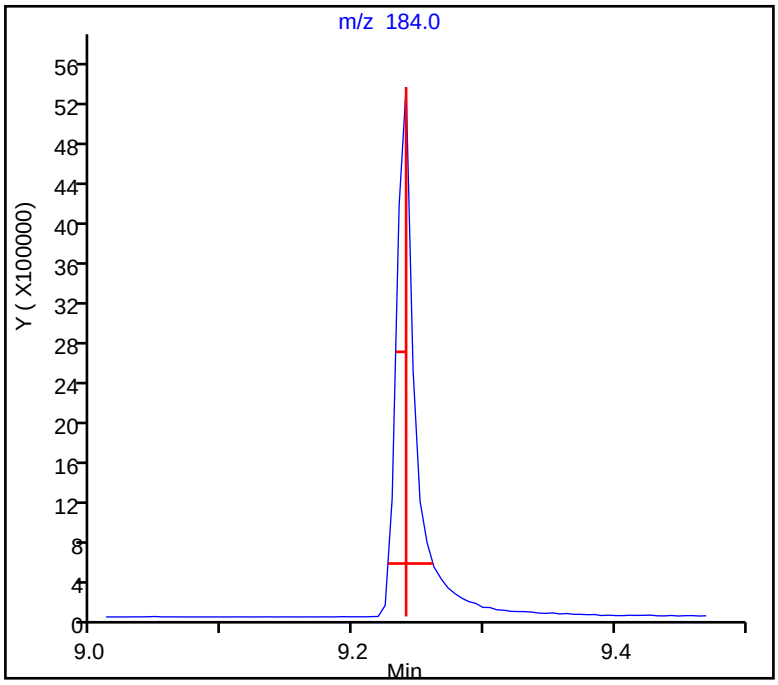
Data File: \\chromfs\Seattle\ChromData\TAC051\20220317-81787.b\31722A06.D
Injection Date: 17-Mar-2022 12:03:30 Instrument ID: TAC051
Lims ID: dftpp
Client ID:
Operator ID: TL ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0

125 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.021 (min.)
Front Width = 0.014 (min.)

Tailing Factor = 1.50, Max. Tailing <= 2.00
Passed



Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220322-81877.b\32222A03.D
Lims ID: dftpp
Client ID:
Sample Type: DFTPP
Inject. Date: 22-Mar-2022 11:08:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: DFTPP
Operator ID: JCM Instrument ID: TAC051

Method: \\chromfs\Seattle\ChromData\TAC051\20220322-81877.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 23-Mar-2022 10:41:40 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1609

First Level Reviewer: thaneeratw Date: 23-Mar-2022 10:41:40

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
90 4,4'-DDE	246	9.376	9.376	0.000	0	4143		NR	
93 4,4'-DDD	235	9.654	9.654	0.000	89	105897		NR	
95 4,4'-DDT	235	9.900	9.900	0.000	94	4610201	NR	NR	
123 Pentachlorophenol_T	266	7.960	7.960	0.000	87	1896691	NR	NR	
124 DFTPP									
125 Benzidine_T	184	9.232	9.232	0.000	97	7011256	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

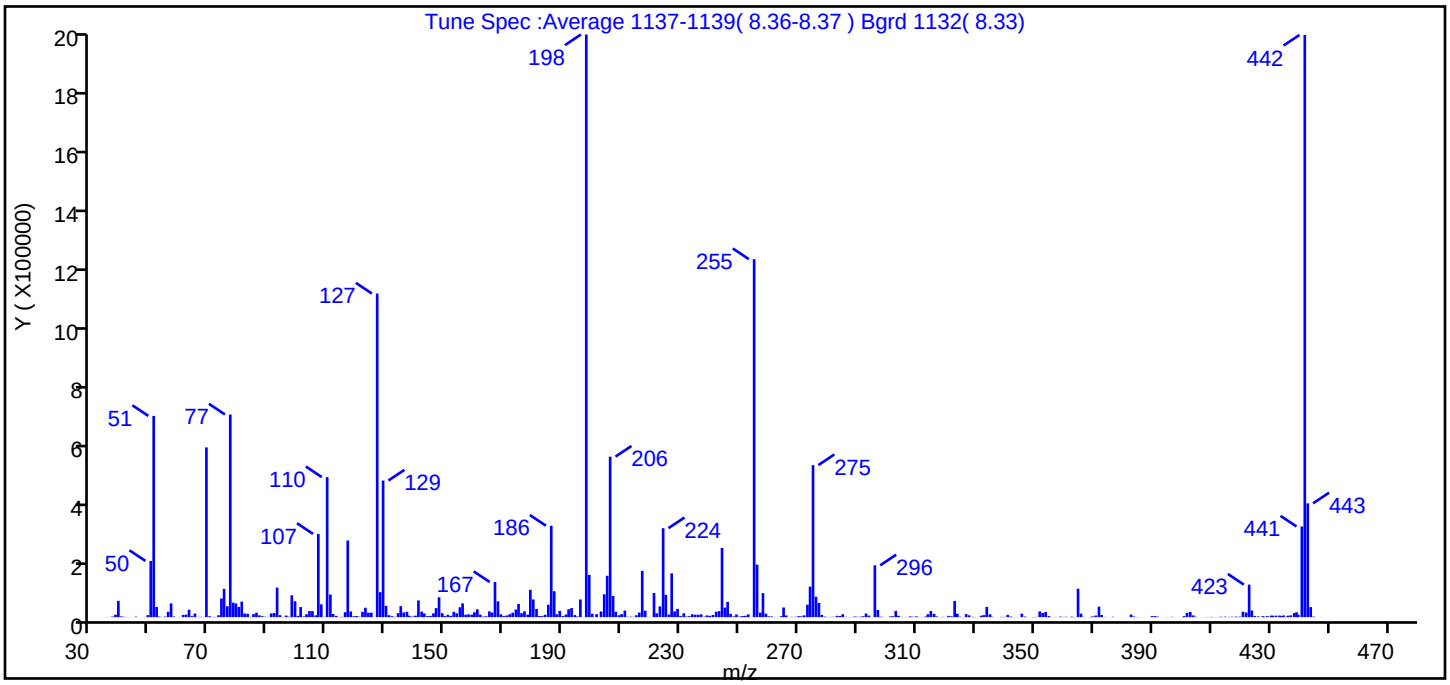
DFTPPx2_00044 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC051\20220322-81877.b\32222A03.D
Injection Date: 22-Mar-2022 11:08:30 Instrument ID: TAC051
Lims ID: dftpp
Client ID:
Operator ID: JCM ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Tune Method: DFTPP Method 8270E, BP 198

124 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base peak or present	100.0
68	<2% of m/z 69	0.0 (0.1)
69	Present	29.1
70	<2% of m/z 69	0.2 (0.5)
197	<2% of m/z 198	0.0
199	5-9% of m/z 198	7.3
365	>1% of m/z 198	4.9
441	<150% of m/z 443	15.6 (79.6)
442	Present	99.9
443	15-24% of m/z 442	19.5 (19.5)

Data File: \\chromfs\Seattle\ChromData\TAC051\20220322-81877.b\32222A03.D\8270 TAC051.rslt\spectra.d
Injection Date: 22-Mar-2022 11:08:30
Spectrum: Tune Spec :Average 1137-1139(8.36-8.37) Bgrd 1132(8.33)
Base Peak: 197.90
Minimum % Base Peak: 0
Number of Points: 384

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	469	136.00	15750	234.00	9815	336.00	1233
36.00	176	137.00	17592	235.00	8203	339.00	950
37.00	2025	138.00	4556	236.00	7909	340.00	989
38.00	8153	139.00	1846	237.00	9461	341.00	7406
39.00	54544	140.00	4893	238.00	1470	342.00	1904
40.00	2533	141.00	56064	239.00	5751	343.00	458
41.00	1302	142.00	18608	240.00	4333	344.00	413
42.00	259	143.00	12082	241.00	7428	346.00	11607
43.00	298	144.00	3425	242.00	18112	347.00	2127
45.00	1692	145.00	4215	243.00	20136	348.00	212
48.00	602	146.00	12748	244.00	231680	349.00	249
49.00	6886	147.00	30344	245.00	31992	350.00	426
50.00	188224	148.00	66432	246.00	51136	351.00	947
51.00	673664	149.00	13121	247.00	10939	352.00	19256
52.00	34184	150.00	3823	248.00	2512	353.00	13933
53.00	1913	151.00	7911	249.00	8957	354.00	17440
54.00	340	152.00	4375	250.00	2194	355.00	3685
55.00	1919	153.00	17848	251.00	3578	356.00	493
56.00	18136	154.00	12875	252.00	4564	357.00	668
57.00	45960	155.00	33048	253.00	9326	359.00	1750
58.00	2046	156.00	46080	255.00	1198592	360.00	806
60.00	267	157.00	8071	256.00	175872	361.00	1214
61.00	7487	158.00	9664	257.00	15162	363.00	938
62.00	8525	159.00	8246	258.00	80376	363.00	1138
63.00	24688	160.00	16379	259.00	11662	364.00	607
64.00	3274	161.00	26336	260.00	2575	365.00	95008
65.00	11963	162.00	8384	261.00	2308	366.00	11848
66.00	756	163.00	1784	262.00	566	367.00	947
67.00	1167	164.00	2759	263.00	265	369.00	477
68.00	727	165.00	19360	264.00	3161	369.00	563
69.00	568384	166.00	15416	265.00	32376	370.00	2421
70.00	3084	167.00	117544	266.00	5507	371.00	5362
71.00	644	168.00	52992	268.00	1084	372.00	35128

Report Date: 23-Mar-2022 10:41:41 Chrom Revision: 2.3 18-Mar-2022 09:07:22
Data File: \\chromfs\Seattle\ChromData\TAC051\20220322-81877.b\32222A03.D\8270 TAC051.rslt\spectra.d
Injection Date: 22-Mar-2022 11:08:30
Spectrum: Tune Spec :Average 1137-1139(8.36-8.37) Bgrd 1132(8.33)
Base Peak: 197.90
Minimum % Base Peak: 0
Number of Points: 384

m/z	Y	m/z	Y	m/z	Y	m/z	Y
72.00	777	169.00	9413	269.00	1142	373.00	7137
73.00	6242	170.00	3548	270.00	3143	374.00	723
74.00	62544	171.00	5627	271.00	2591	375.00	208
75.00	94664	172.00	9700	272.00	5813	377.00	1244
76.00	36424	173.00	14663	273.00	41400	378.00	217
77.00	678528	174.00	25536	274.00	102336	383.00	8597
78.00	48416	175.00	44032	275.00	508992	384.00	2224
79.00	45736	176.00	13215	276.00	68328	385.00	629
80.00	34336	177.00	19648	277.00	47392	386.00	548
81.00	51888	178.00	8437	278.00	7498	387.00	234
82.00	12231	179.00	91536	279.00	1781	390.00	3557
83.00	11312	180.00	59112	280.00	447	391.00	3576
84.00	780	181.00	27496	281.00	855	392.00	1866
85.00	10224	182.00	3905	282.00	1056	395.00	478
86.00	14716	183.00	3262	283.00	4329	396.00	167
87.00	5994	184.00	8063	284.00	3830	397.00	1016
88.00	2954	185.00	41464	285.00	9700	398.00	321
89.00	1301	186.00	306112	286.00	1076	401.00	486
90.00	201	187.00	86640	287.00	379	401.00	3142
91.00	12486	188.00	9618	288.00	557	402.00	14421
92.00	13722	189.00	20976	289.00	1918	403.00	17464
93.00	98896	190.00	3514	290.00	1352	404.00	5892
94.00	6605	191.00	8853	291.00	1542	405.00	1230
95.00	819	192.00	26512	292.00	2979	407.00	371
96.00	5207	193.00	30352	293.00	12075	408.00	453
97.00	1424	194.00	6854	294.00	5065	409.00	655
98.00	73032	195.00	2295	296.00	173440	410.00	875
99.00	53352	196.00	59216	297.00	24104	411.00	461
100.00	4141	198.00	1950720	298.00	1572	412.00	504
101.00	33760	199.00	141504	299.00	772	413.00	1050
102.00	2262	200.00	11466	301.00	2097	414.00	997
103.00	9781	201.00	10047	302.00	3216	415.00	1602
104.00	20448	203.00	19056	303.00	20896	416.00	1032
105.00	20000	204.00	76408	304.00	4377	417.00	1361

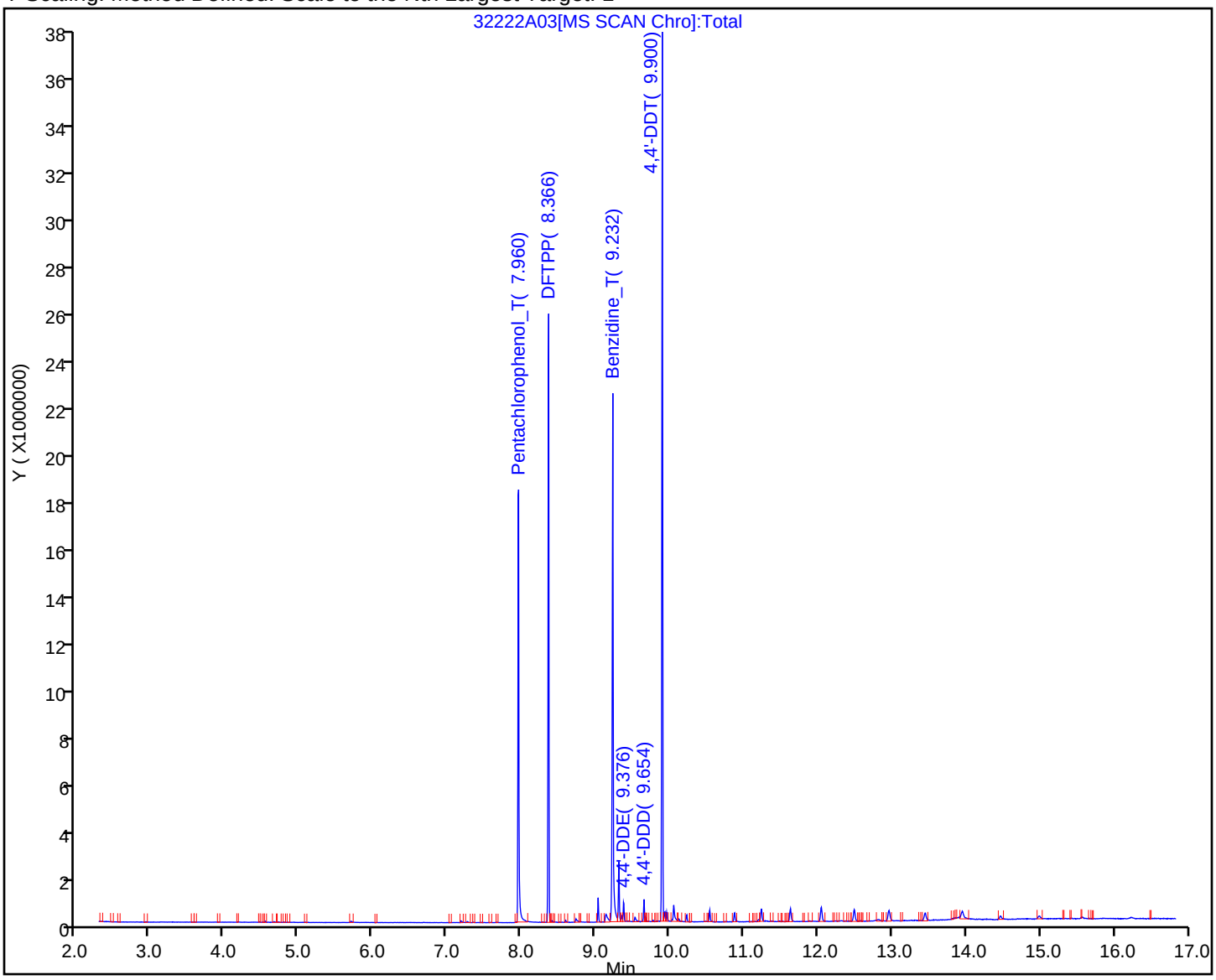
Report Date: 23-Mar-2022 10:41:41 Chrom Revision: 2.3 18-Mar-2022 09:07:22
Data File: \\chromfs\Seattle\ChromData\TAC051\20220322-81877.b\32222A03.D\8270 TAC051.rslt\spectra.d
Injection Date: 22-Mar-2022 11:08:30
Spectrum: Tune Spec :Average 1137-1139(8.36-8.37) Bgrd 1132(8.33)
Base Peak: 197.90
Minimum % Base Peak: 0
Number of Points: 384

m/z	Y	m/z	Y	m/z	Y	m/z	Y
106.00	5824	205.00	138432	305.00	847	418.00	923
107.00	278720	206.00	537344	307.00	600	419.00	1537
108.00	42896	207.00	70944	308.00	2374	420.00	1646
109.00	802	208.00	17928	309.00	1369	421.00	18208
110.00	468736	209.00	6425	310.00	2494	422.00	15761
111.00	75736	210.00	10163	311.00	703	423.00	108904
112.00	10517	211.00	21968	312.00	545	424.00	22216
113.00	4354	212.00	1259	313.00	2043	425.00	3462
114.00	738	213.00	1421	314.00	9736	426.00	2643
115.00	1018	214.00	924	315.00	20688	428.00	3062
116.00	16424	215.00	6198	316.00	10971	428.00	1827
117.00	256704	216.00	15268	317.00	2353	429.00	3451
118.00	18904	217.00	154816	318.00	352	430.00	4926
119.00	2966	218.00	21648	319.00	712	431.00	4730
120.00	3885	219.00	841	320.00	241	432.00	4971
121.00	1374	220.00	413	321.00	4257	433.00	5411
122.00	17688	221.00	80952	322.00	2646	434.00	3699
123.00	31576	222.00	12873	323.00	54000	435.00	5693
124.00	14865	223.00	35912	324.00	11427	436.00	4732
125.00	14913	224.00	297856	325.00	1394	437.00	5853
127.00	1083392	225.00	74616	326.00	425	438.00	13665
128.00	83624	226.00	8746	327.00	10289	439.00	16360
129.00	457408	227.00	146624	328.00	6083	440.00	7802
130.00	37648	228.00	19296	329.00	851	441.00	303424
131.00	6455	229.00	27832	330.00	582	442.00	1949184
132.00	3094	230.00	3616	332.00	4786	443.00	380992
133.00	1144	231.00	12942	333.00	6947	444.00	33744
134.00	13299	232.00	2013	334.00	34432	445.00	1949
135.00	36760	233.00	3231	335.00	9449	477.00	244

Report Date: 23-Mar-2022 10:41:41 Chrom Revision: 2.3 18-Mar-2022 09:07:22

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC051\20220322-81877.b\32222A03.D
Injection Date: 22-Mar-2022 11:08:30 Instrument ID: TAC051
Lims ID: dftpp
Client ID:
Operator ID: JCM ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Breakdown Report

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC051\20220322-81877.b\32222A03.D
Injection Date: 22-Mar-2022 11:08:30 Instrument ID: TAC051
Lims ID: dftpp
Client ID:
Operator ID: JCM ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0

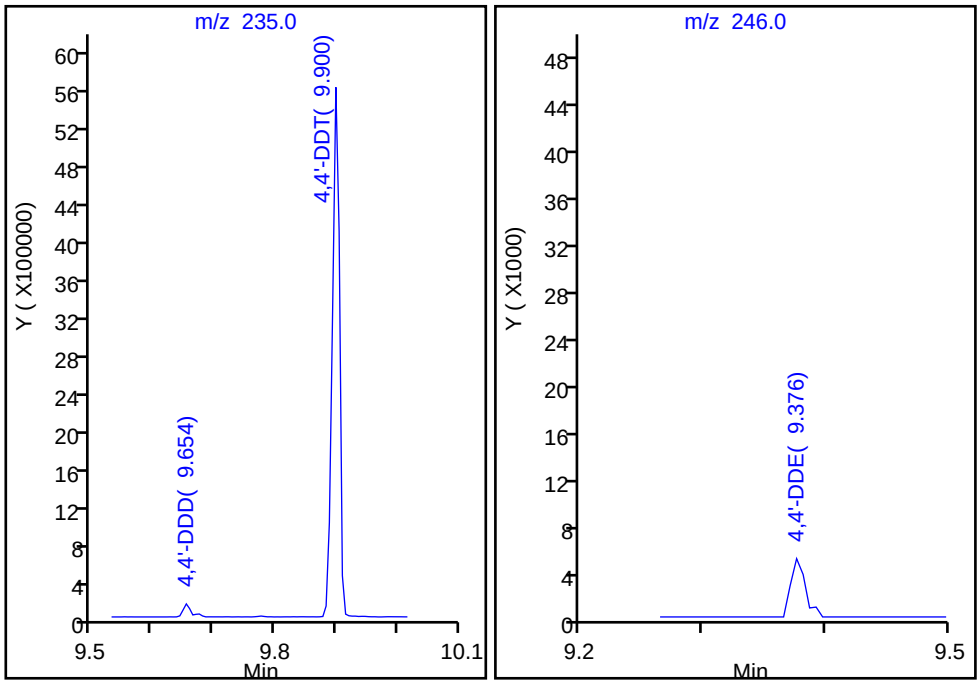
95 4,4'-DDT, Detector: MS SCAN

SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

95 4,4'-DDT, Area = 4610201
90 4,4'-DDE, Area = 4143
93 4,4'-DDD, Area = 105897

%Breakdown: 2.33%, <= 20.00%
Passed



Peak Tailing Report

Eurofins Seattle

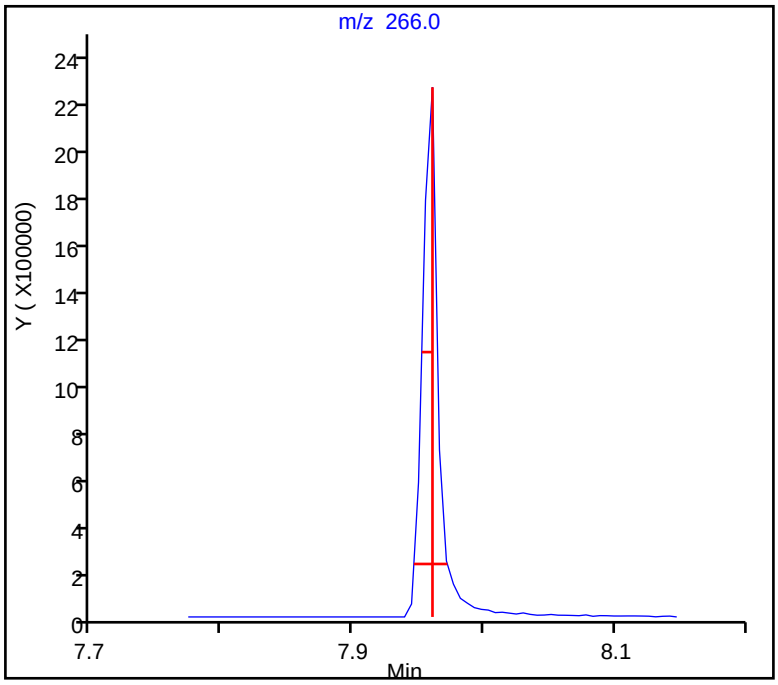
Data File: \\chromfs\Seattle\ChromData\TAC051\20220322-81877.b\32222A03.D
Injection Date: 22-Mar-2022 11:08:30 Instrument ID: TAC051
Lims ID: dftpp
Client ID:
Operator ID: JCM ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0

123 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.011 (min.)
Front Width = 0.014 (min.)

Tailing Factor = 0.79, Max. Tailing <= 2.00
Passed



Peak Tailing Report

Eurofins Seattle

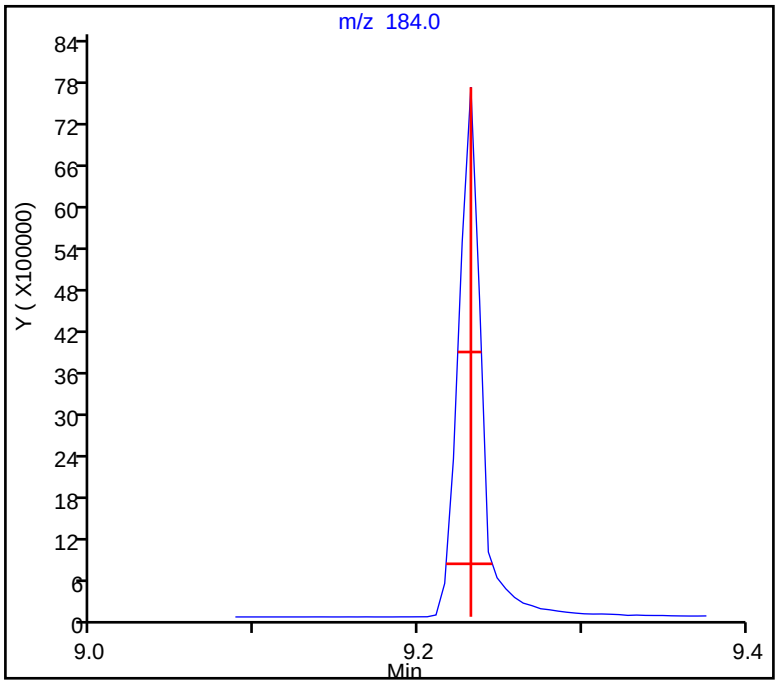
Data File: \\chromfs\Seattle\ChromData\TAC051\20220322-81877.b\32222A03.D
Injection Date: 22-Mar-2022 11:08:30 Instrument ID: TAC051
Lims ID: dftpp
Client ID:
Operator ID: JCM ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0

125 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.013 (min.)
Front Width = 0.015 (min.)

Tailing Factor = 0.87, Max. Tailing <= 2.00
Passed



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle | Job No.: 580-111294-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 580-383995/1-A

Matrix: Water | Lab File ID: 31722A10.D

Analysis Method: 8270E | Date Collected:

Extract. Method: 3510C | Date Extracted: 03/16/2022 09:47

Sample wt/vol: 1000(mL) | Date Analyzed: 03/17/2022 13:35

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 384146 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
120-82-1	1,2,4-Trichlorobenzene	0.30	U	0.40	0.30	0.090
95-50-1	1,2-Dichlorobenzene	0.15	U	0.40	0.15	0.050
541-73-1	1,3-Dichlorobenzene	0.090	U	0.40	0.090	0.040
106-46-7	1,4-Dichlorobenzene	0.090	U	0.40	0.090	0.040
95-95-4	2,4,5-Trichlorophenol	0.30	U	0.40	0.30	0.10
88-06-2	2,4,6-Trichlorophenol	0.30	U	0.60	0.30	0.10
120-83-2	2,4-Dichlorophenol	0.50	U	1.0	0.50	0.20
105-67-9	2,4-Dimethylphenol	0.50	U	4.0	0.50	0.16
121-14-2	2,4-Dinitrotoluene	0.30	U	1.0	0.30	0.10
606-20-2	2,6-Dinitrotoluene	0.30	U	0.40	0.30	0.10
91-58-7	2-Chloronaphthalene	0.15	U	1.0	0.15	0.070
95-57-8	2-Chlorophenol	0.15	U	1.0	0.15	0.050
88-75-5	2-Nitrophenol	0.15	U	1.0	0.15	0.070
91-94-1	3,3'-Dichlorobenzidine	0.60	U	1.0	0.60	0.26
101-55-3	4-Bromophenyl phenyl ether	0.15	U	0.60	0.15	0.060
59-50-7	4-Chloro-3-methylphenol	0.30	U M	0.60	0.30	0.13
7005-72-3	4-Chlorophenyl phenyl ether	0.15	U	0.60	0.15	0.050
100-02-7	4-Nitrophenol	6.0	U	10	6.0	1.7
103-33-3	Azobenzene	0.15	U M	2.0	0.15	0.060
111-91-1	Bis(2-chloroethoxy)methane	0.15	U	0.60	0.15	0.050
111-44-4	Bis(2-chloroethyl)ether	0.090	U	0.10	0.090	0.030
117-81-7	Bis(2-ethylhexyl) phthalate	1.6	U	3.0	1.6	0.74
108-60-1	bis (2-chloroisopropyl) ether	0.15	U M	0.25	0.15	0.060
85-68-7	Butyl benzyl phthalate	0.60	U	4.0	0.60	0.27
84-66-2	Diethyl phthalate	0.30	U M	1.0	0.30	0.15
131-11-3	Dimethyl phthalate	0.15	U	0.60	0.15	0.060
84-74-2	Di-n-butyl phthalate	0.50	U	3.0	0.50	0.19
117-84-0	Di-n-octyl phthalate	0.30	U M	1.0	0.30	0.13
118-74-1	Hexachlorobenzene	0.090	U	0.60	0.090	0.040
87-68-3	Hexachlorobutadiene	0.15	U	1.0	0.15	0.060
77-47-4	Hexachlorocyclopentadiene	0.30	U	1.0	0.30	0.14
67-72-1	Hexachloroethane	0.15	U	1.0	0.15	0.050
78-59-1	Isophorone	0.30	U	0.40	0.30	0.10
15831-10-4	m+p-Cresol	0.30	U M	0.60	0.30	0.10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle | Job No.: 580-111294-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 580-383995/1-A

Matrix: Water | Lab File ID: 31722A10.D

Analysis Method: 8270E | Date Collected:

Extract. Method: 3510C | Date Extracted: 03/16/2022 09:47

Sample wt/vol: 1000(mL) | Date Analyzed: 03/17/2022 13:35

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 384146 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
98-95-3	Nitrobenzene	0.090	U M	1.0	0.090	0.040
62-75-9	N-Nitrosodimethylamine	0.60	U	2.0	0.60	0.26
621-64-7	N-Nitrosodi-n-propylamine	0.090	U	0.40	0.090	0.060
86-30-6	N-Nitrosodiphenylamine	0.15	U	1.0	0.15	0.070
95-48-7	o-Cresol	0.15	U M	0.60	0.15	0.050
87-86-5	Pentachlorophenol	1.0	U	10	1.0	0.51
108-95-2	Phenol	0.60	U	1.0	0.60	0.36
129-00-0	Pyrene	0.090	U M	1.0	0.090	0.040
110-86-1	Pyridine	3.2	U	10	3.2	1.1

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	53		43-140
321-60-8	2-Fluorobiphenyl	72		44-119
367-12-4	2-Fluorophenol (Surr)	48		19-119
4165-60-0	Nitrobenzene-d5 (Surr)	76		44-120
4165-62-2	Phenol-d5 (Surr)	31		10-120
1718-51-0	Terphenyl-d14	98		50-134

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220317-81787.b\31722A10.D
Lims ID: MB 580-383995/1-A
Client ID:
Sample Type: MB
Inject. Date: 17-Mar-2022 13:35:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: mb 580-383995/1-a
Operator ID: TL Instrument ID: TAC051

Method: \\chromfs\Seattle\ChromData\TAC051\20220317-81787.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 17-Mar-2022 16:58:19 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1602

First Level Reviewer: limmere Date: 17-Mar-2022 16:58:19

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.451	4.457	-0.006	89	34471	100.0	100.0	
* 2 Naphthalene-d8	136	5.466	5.467	-0.001	96	115826	100.0	100.0	
* 3 Acenaphthene-d10	164	6.898	6.893	0.005	88	58679	100.0	100.0	
* 4 Phenanthrene-d10	188	8.116	8.111	0.005	88	99557	100.0	100.0	
* 5 Chrysene-d12	240	10.311	10.307	0.004	93	82176	100.0	100.0	
* 6 Perylene-d12	264	11.829	11.835	-0.006	94	87016	100.0	100.0	
$ 7 2-Fluorophenol	112	3.468	3.469	-0.001	84	153319	1000.0	481.5	
$ 8 Phenol-d5	99	4.216	4.217	-0.001	97	111334	1000.0	312.4	
$ 9 Nitrobenzene-d5	82	4.894	4.895	-0.001	87	208219	1000.0	755.3	
$ 10 2-methylnaphthalene-d10	152	6.022	6.022	0.000	0	446161	NC	NC	
$ 11 2-Fluorobiphenyl	172	6.353	6.354	-0.001	98	558568	1000.0	715.9	
$ 12 2,4,6-Tribromophenol	330	7.555	7.550	0.005	73	69286	1000.0	533.3	
$ 13 Fluoranthene-d10 (Surr)	212	9.088	9.089	-0.001	0	859737	NC	NC	
$ 14 Terphenyl-d14	244	9.430	9.431	-0.001	95	730718	1000.0	980.0	
15 1,4-Dioxane	88	2.352	2.331	0.021	1	1816		NC	
22 n-Decane	57	4.334	4.334	0.000	87	34410		126.4	
84 Di-n-butyl phthalate	149	8.618	8.619	-0.001	87	35926		22.6	
94 Butyl benzyl phthalate	149	9.847	9.847	0.000	65	13627		30.4	
98 Bis(2-ethylhexyl) phthalate	149	10.359	10.360	-0.001	86	90736		120.5	
91 Nonylphenol	135	11.850	11.858	0.002	0	2856		NC	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

8270SIM_IS_00069 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 17-Mar-2022 16:58:20 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC051\20220317-81787.b\31722A10.D

Injection Date: 17-Mar-2022 13:35:30 Instrument ID: TAC051

Lims ID: MB 580-383995/1-A

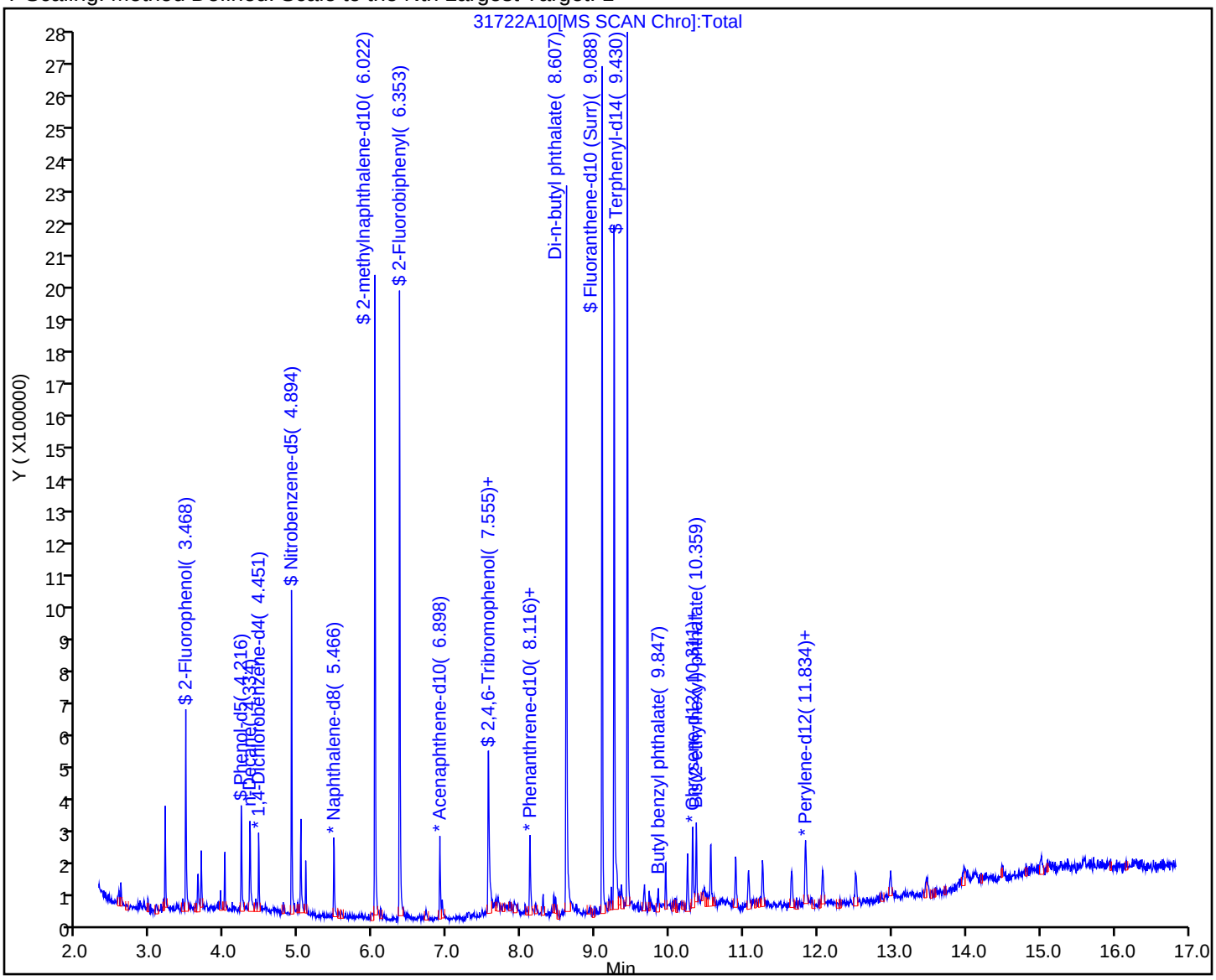
Client ID:

Operator ID: TL ALS Bottle#: 5 Worklist Smp#: 5

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle
Recovery Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220317-81787.b\31722A10.D
Lims ID: MB 580-383995/1-A
Client ID:
Sample Type: MB
Inject. Date: 17-Mar-2022 13:35:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: mb 580-383995/1-a
Operator ID: TL Instrument ID: TAC051

Method: \\chromfs\Seattle\ChromData\TAC051\20220317-81787.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 17-Mar-2022 16:58:19 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1602

First Level Reviewer: limmere Date: 17-Mar-2022 16:58:19

Compound	Amount Added	Amount Recovered	% Rec.
$ 7 2-Fluorophenol	1000.0	481.5	48.15
$ 8 Phenol-d5	1000.0	312.4	31.24
$ 9 Nitrobenzene-d5	1000.0	755.3	75.53
$ 11 2-Fluorobiphenyl	1000.0	715.9	71.59
$ 12 2,4,6-Tribromophenol	1000.0	533.3	53.33
$ 14 Terphenyl-d14	1000.0	980.0	98.00

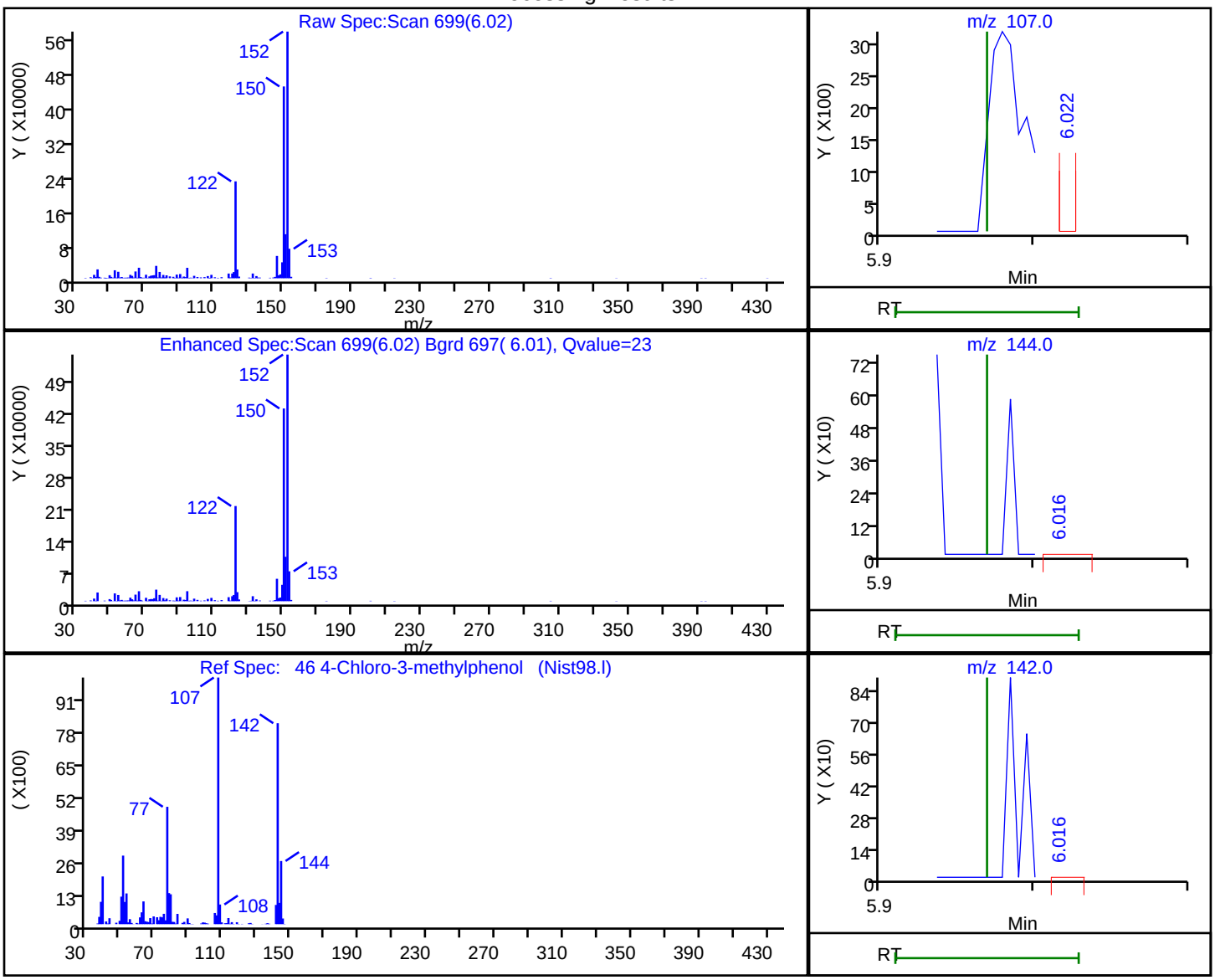
User Disabled Compound Report

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC051\20220317-81787.b\31722A10.D
Injection Date: 17-Mar-2022 13:35:30 Instrument ID: TAC051
Lims ID: MB 580-383995/1-A
Client ID:
Operator ID: TL ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

46 4-Chloro-3-methylphenol, CAS: 59-50-7

Processing Results



RT	Mass	Response	Amount
6.02	107.00	607	40.086582
6.02	144.00	2429	
6.02	142.00	1203	

Reviewer: limmere, 17-Mar-2022 16:57:36
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

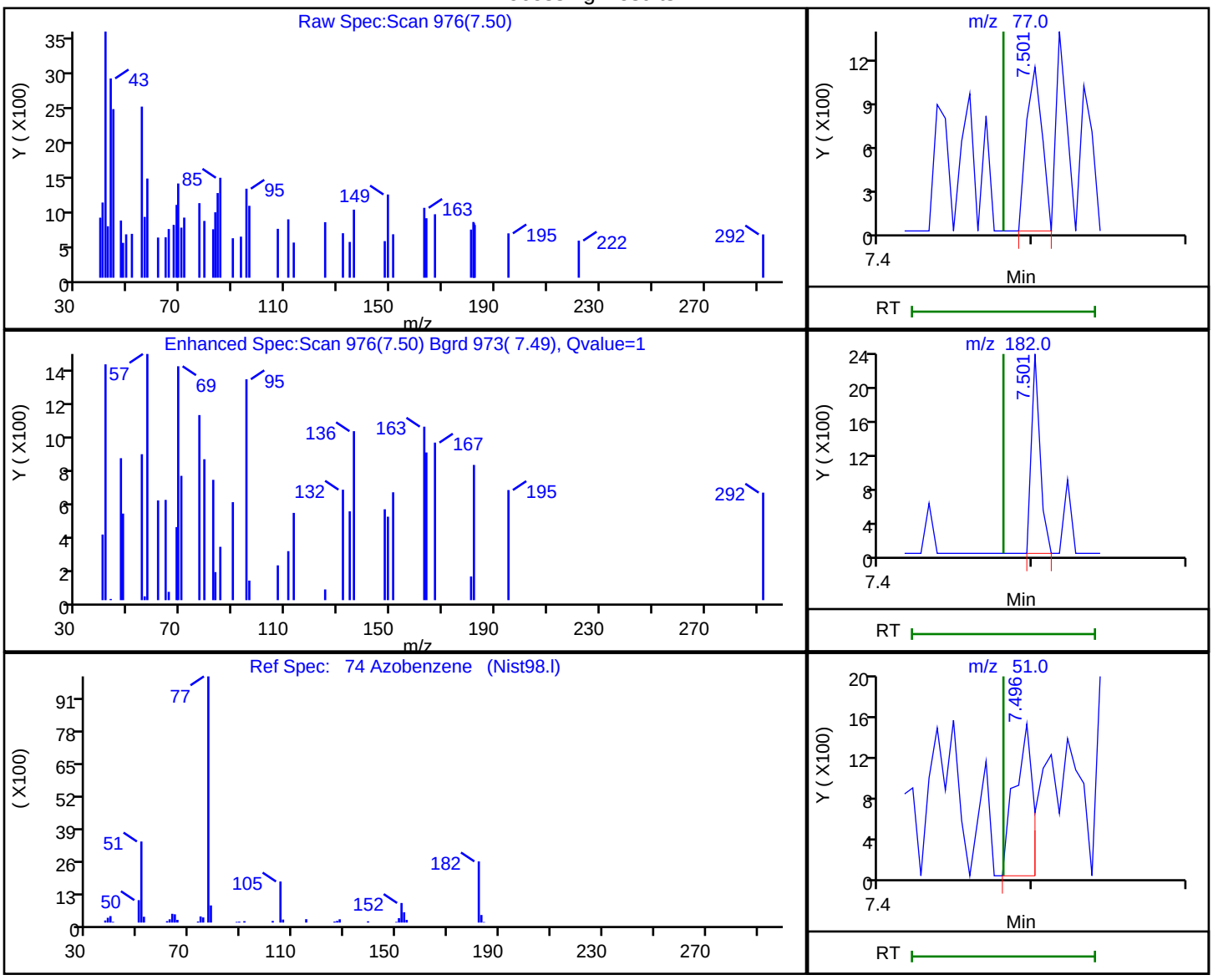
User Disabled Compound Report

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC051\20220317-81787.b\31722A10.D
Injection Date: 17-Mar-2022 13:35:30 Instrument ID: TAC051
Lims ID: MB 580-383995/1-A
Client ID:
Operator ID: TL ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

74 Azobenzene, CAS: 103-33-3

Processing Results



RT	Mass	Response	Amount
7.50	77.00	763	5.202366
7.50	182.00	911	
7.50	51.00	1253	

Reviewer: limmere, 17-Mar-2022 16:57:48
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

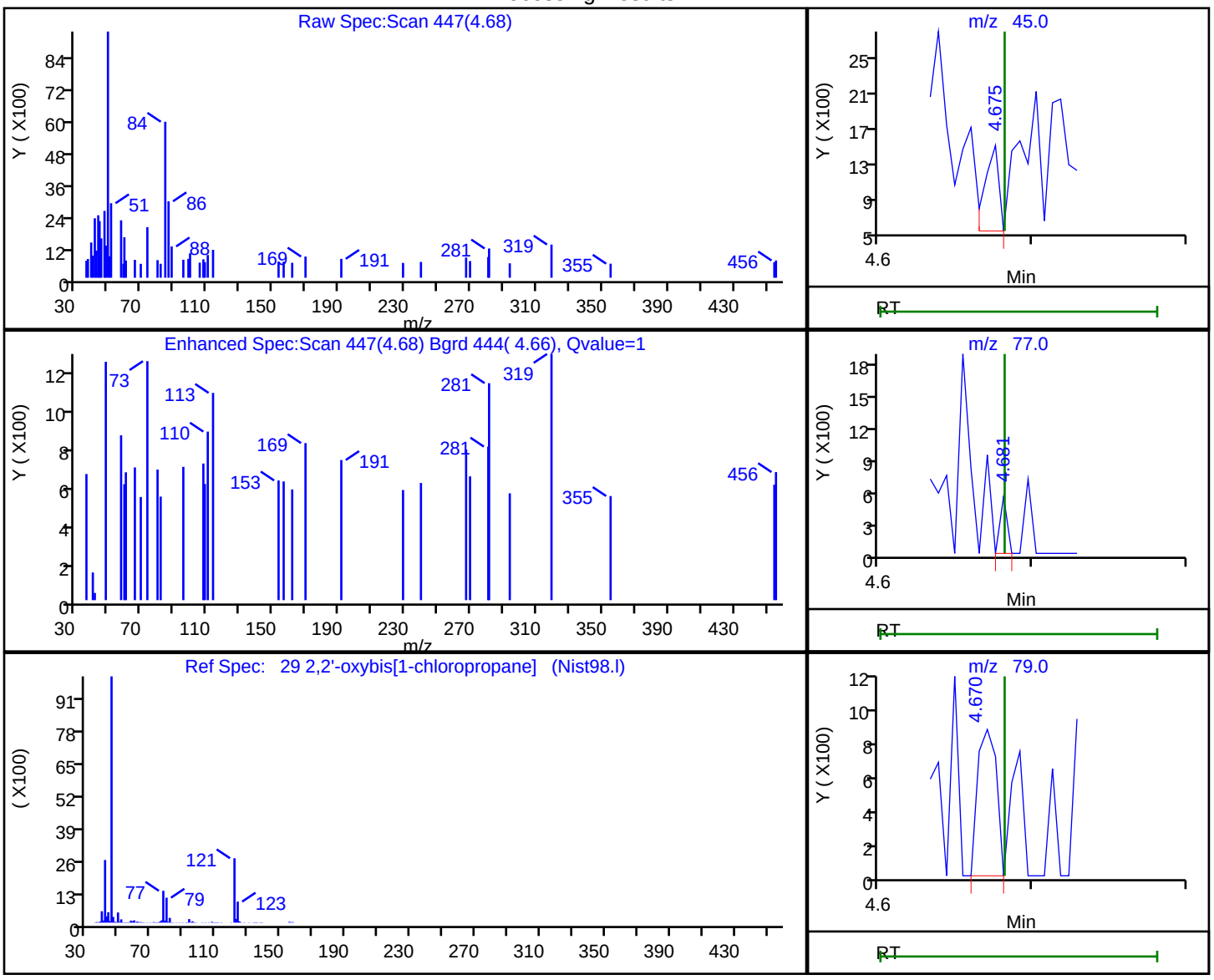
User Disabled Compound Report

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC051\20220317-81787.b\31722A10.D
Injection Date: 17-Mar-2022 13:35:30 Instrument ID: TAC051
Lims ID: MB 580-383995/1-A
Client ID:
Operator ID: TL ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

29 2,2'-oxybis[1-chloropropane], CAS: 108-60-1

Processing Results



RT	Mass	Response	Amount
4.68	45.00	582	1.739945
4.68	77.00	170	
4.67	79.00	703	

Reviewer: limmere, 17-Mar-2022 16:57:27
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins Seattle

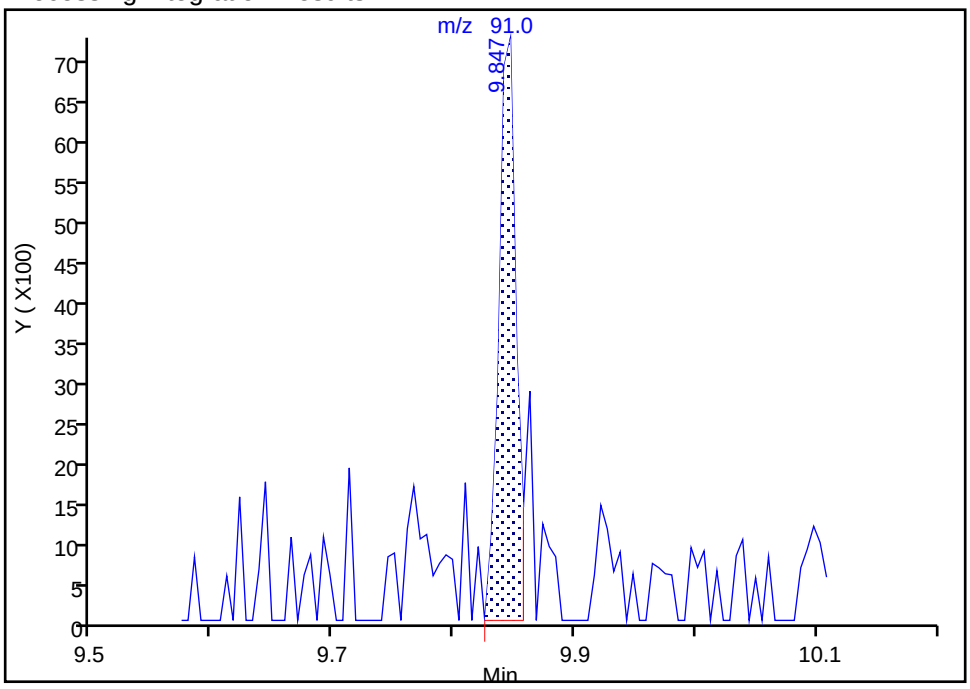
Data File: \\chromfs\Seattle\ChromData\TAC051\20220317-81787.b\31722A10.D
Injection Date: 17-Mar-2022 13:35:30 Instrument ID: TAC051
Lims ID: MB 580-383995/1-A
Client ID:
Operator ID: TL ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

94 Butyl benzyl phthalate, CAS: 85-68-7

Signal: 2

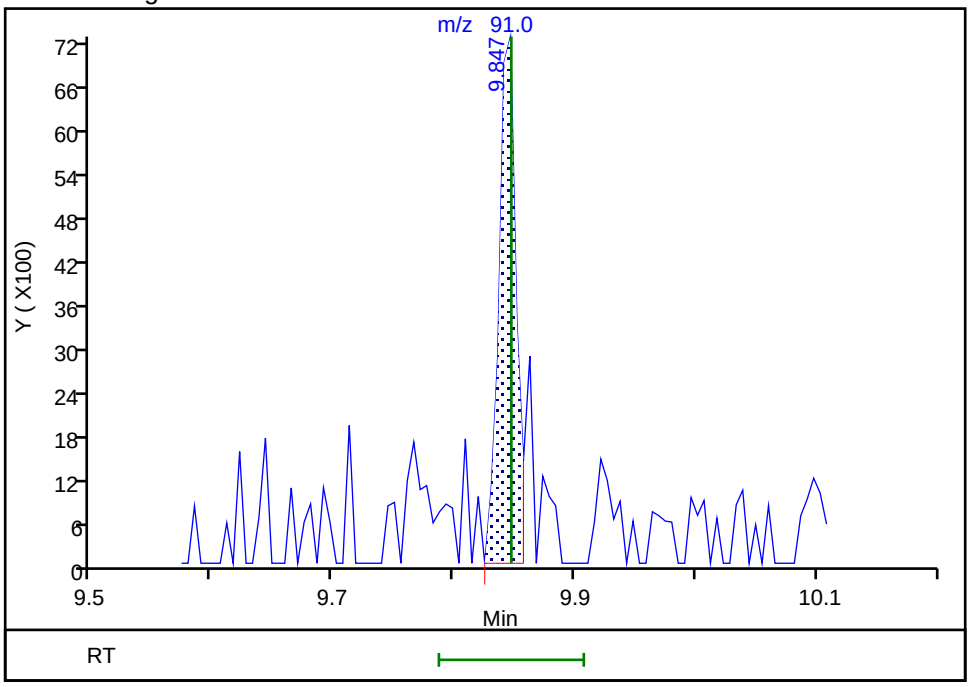
Processing Integration Results

RT: 9.85
Area: 7254
Amount: 30.387023
Amount Units: ug/L



Manual Integration Results

RT: 9.85
Area: 7254
Amount: 30.387023
Amount Units: ug/L



Reviewer: limmere, 17-Mar-2022 16:58:03
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins Seattle

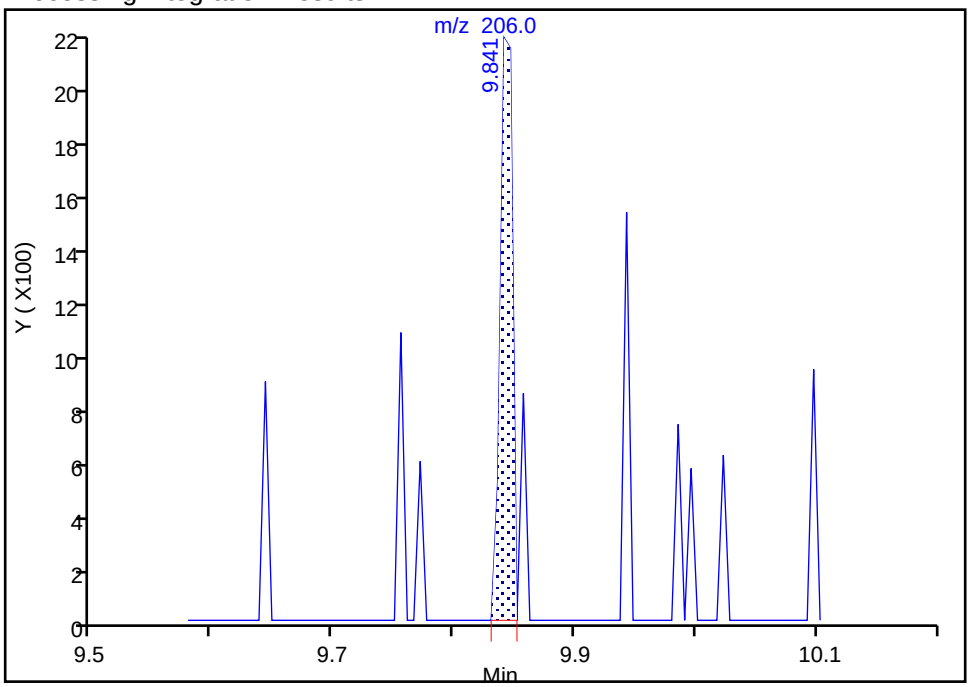
Data File: \\chromfs\Seattle\ChromData\TAC051\20220317-81787.b\31722A10.D
Injection Date: 17-Mar-2022 13:35:30 Instrument ID: TAC051
Lims ID: MB 580-383995/1-A
Client ID:
Operator ID: TL ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

94 Butyl benzyl phthalate, CAS: 85-68-7

Signal: 3

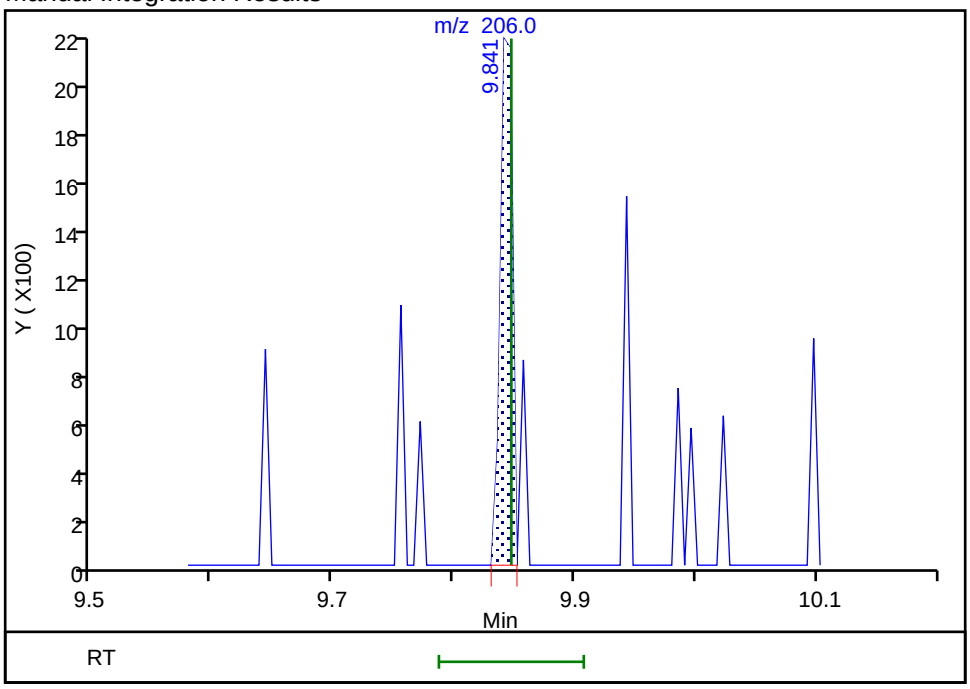
Processing Integration Results

RT: 9.84
Area: 1508
Amount: 30.387023
Amount Units: ug/L



Manual Integration Results

RT: 9.84
Area: 1508
Amount: 30.387023
Amount Units: ug/L



Reviewer: limmere, 17-Mar-2022 16:58:03
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

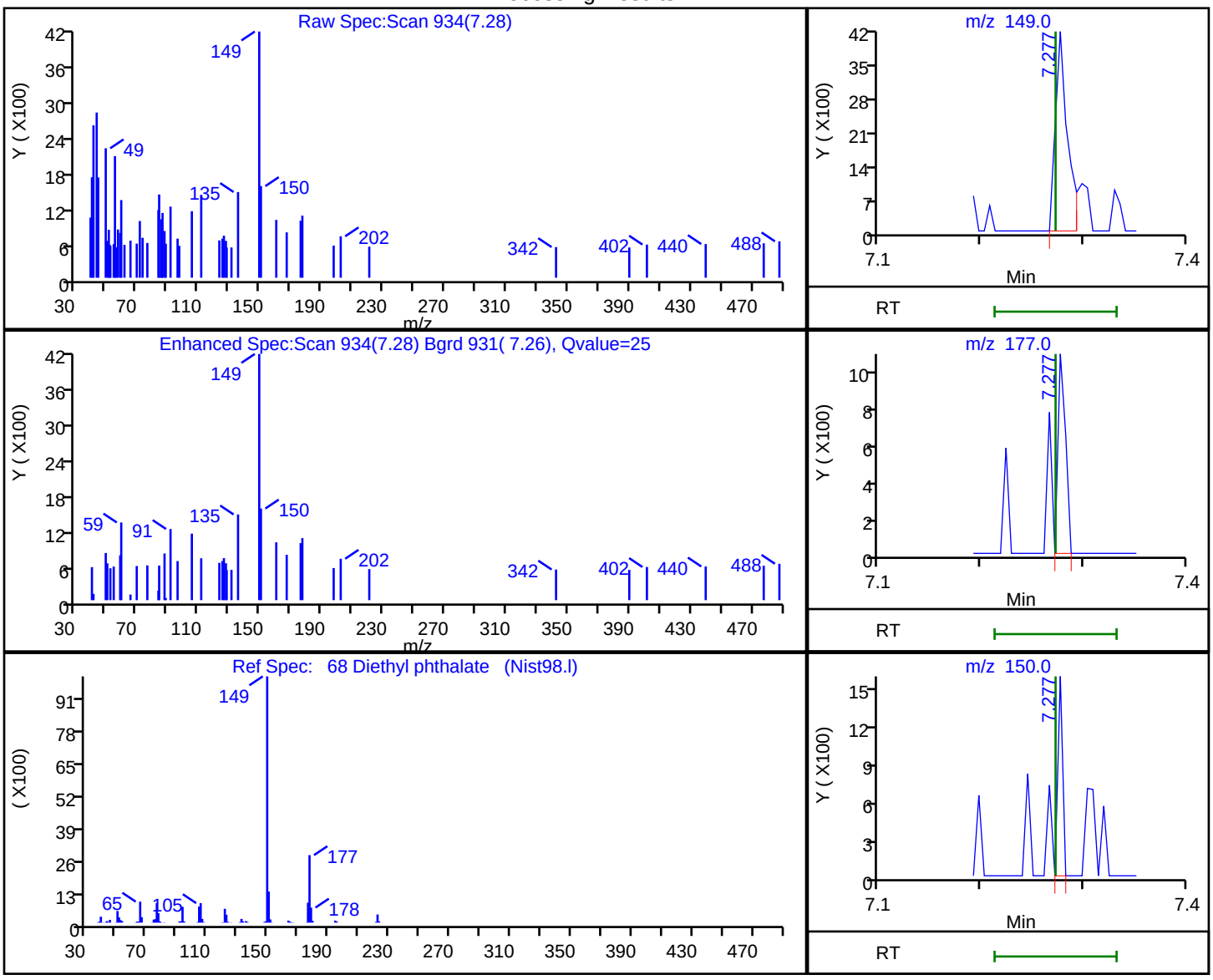
User Disabled Compound Report

Eurofins Seattle

Data File:	\\chromfs\Seattle\ChromData\TAC051\20220317-81787.b\31722A10.D				
Injection Date:	17-Mar-2022 13:35:30	Instrument ID:	TAC051		
Lims ID:	MB 580-383995/1-A				
Client ID:					
Operator ID:	TL	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270 TAC051	Limit Group:	8270D BNA QSM 5.0		
Column:		Detector	MS SCAN		

68 Diethyl phthalate, CAS: 84-66-2

Processing Results



RT	Mass	Response	Amount
7.28	149.00	3386	4.451581
7.28	177.00	529	
7.28	150.00	490	

Reviewer: limmere, 17-Mar-2022 16:57:44

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

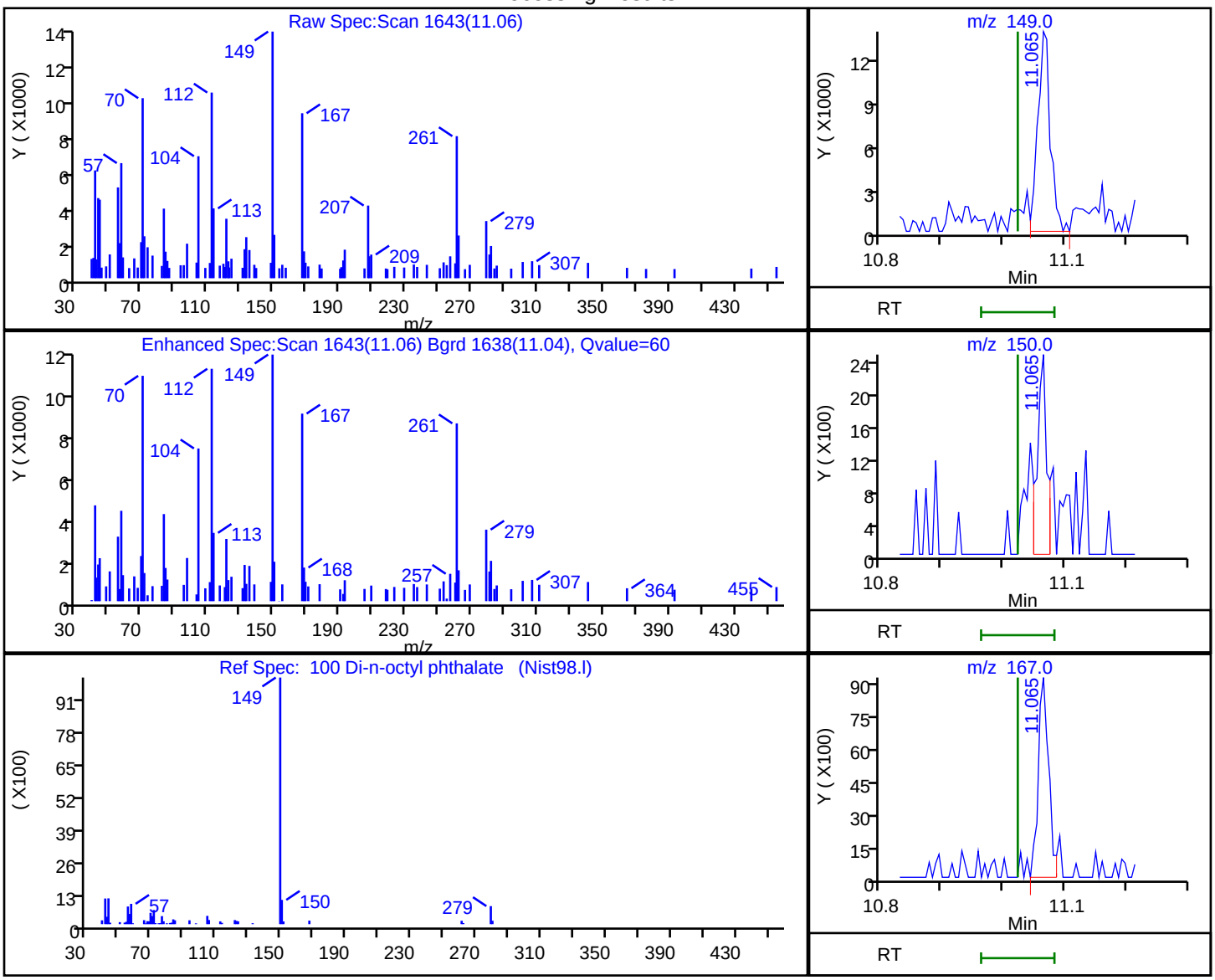
User Disabled Compound Report

Eurofins Seattle

Data File:	\\chromfs\Seattle\ChromData\TAC051\20220317-81787.b\31722A10.D				
Injection Date:	17-Mar-2022 13:35:30	Instrument ID:	TAC051		
Lims ID:	MB 580-383995/1-A				
Client ID:					
Operator ID:	TL	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270 TAC051	Limit Group:	8270D BNA QSM 5.0		
Column:		Detector	MS SCAN		

100 Di-n-octyl phthalate, CAS: 117-84-0

Processing Results



RT	Mass	Response	Amount
11.06	149.00	19692	17.092609
11.06	150.00	2610	
11.06	167.00	10980	

Reviewer: limmere, 17-Mar-2022 16:58:10

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

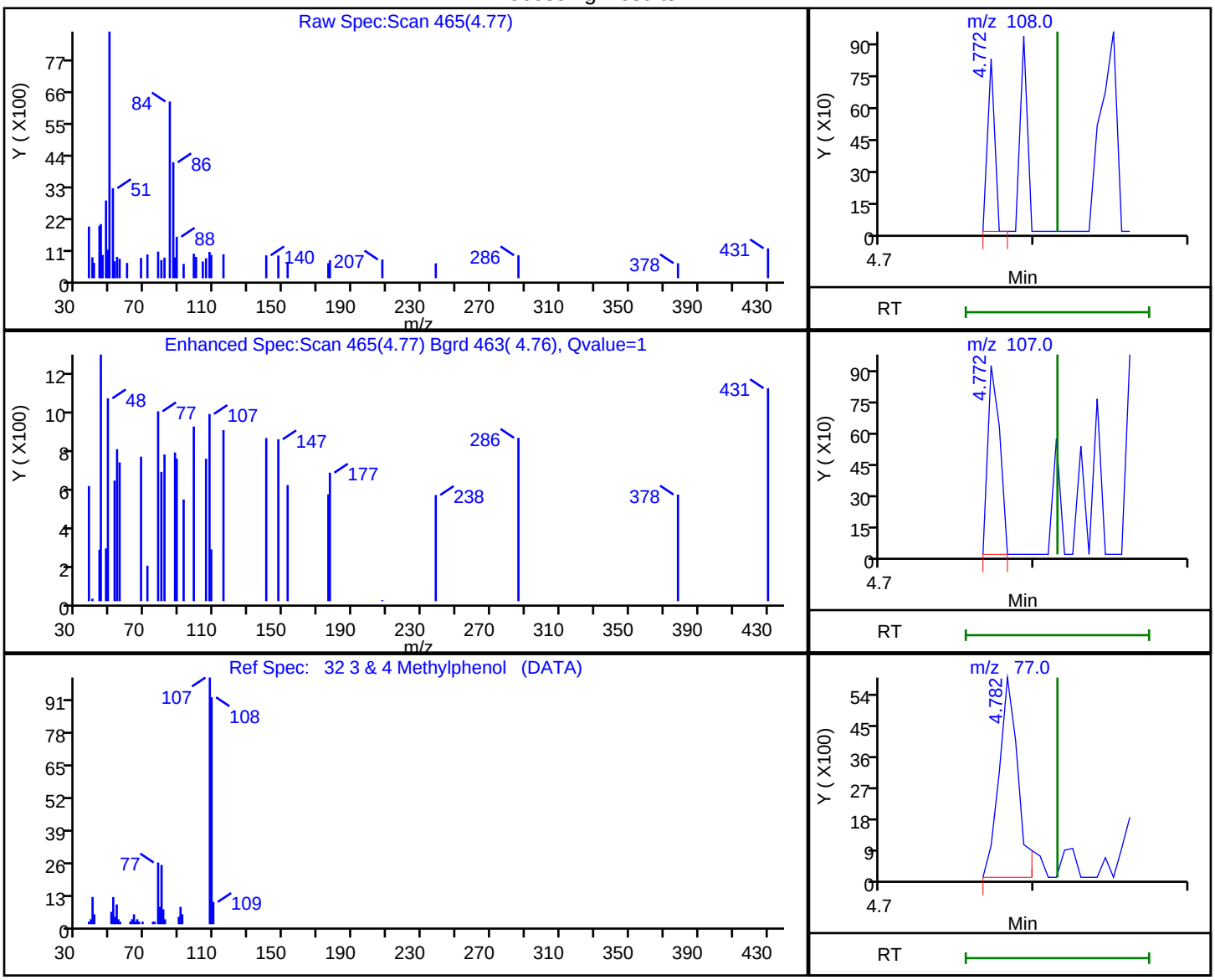
User Disabled Compound Report

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC051\20220317-81787.b\31722A10.D
Injection Date: 17-Mar-2022 13:35:30 Instrument ID: TAC051
Lims ID: MB 580-383995/1-A
Client ID:
Operator ID: TL ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

32 3 & 4 Methylphenol, CAS: 15831-10-4

Processing Results



RT	Mass	Response	Amount
4.77	108.00	264	7.045457
4.77	107.00	498	
4.78	77.00	5036	

Reviewer: limmere, 17-Mar-2022 16:57:31
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

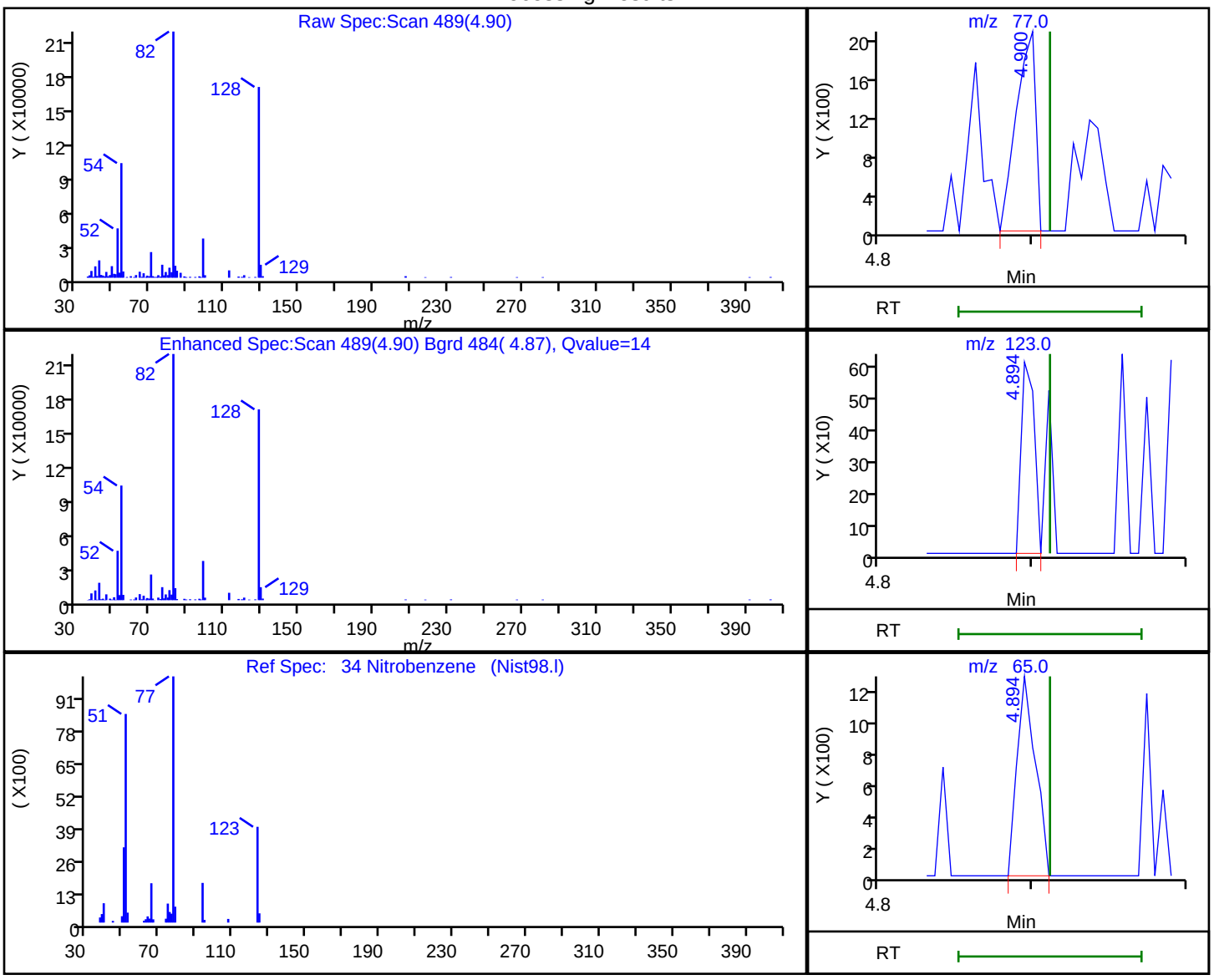
User Disabled Compound Report

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC051\20220317-81787.b\31722A10.D
Injection Date: 17-Mar-2022 13:35:30 Instrument ID: TAC051
Lims ID: MB 580-383995/1-A
Client ID:
Operator ID: TL ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

34 Nitrobenzene, CAS: 98-95-3

Processing Results



RT	Mass	Response	Amount
4.90	77.00	1840	15.013561
4.89	123.00	364	
4.89	65.00	1036	

Reviewer: limmere, 17-Mar-2022 16:57:32
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

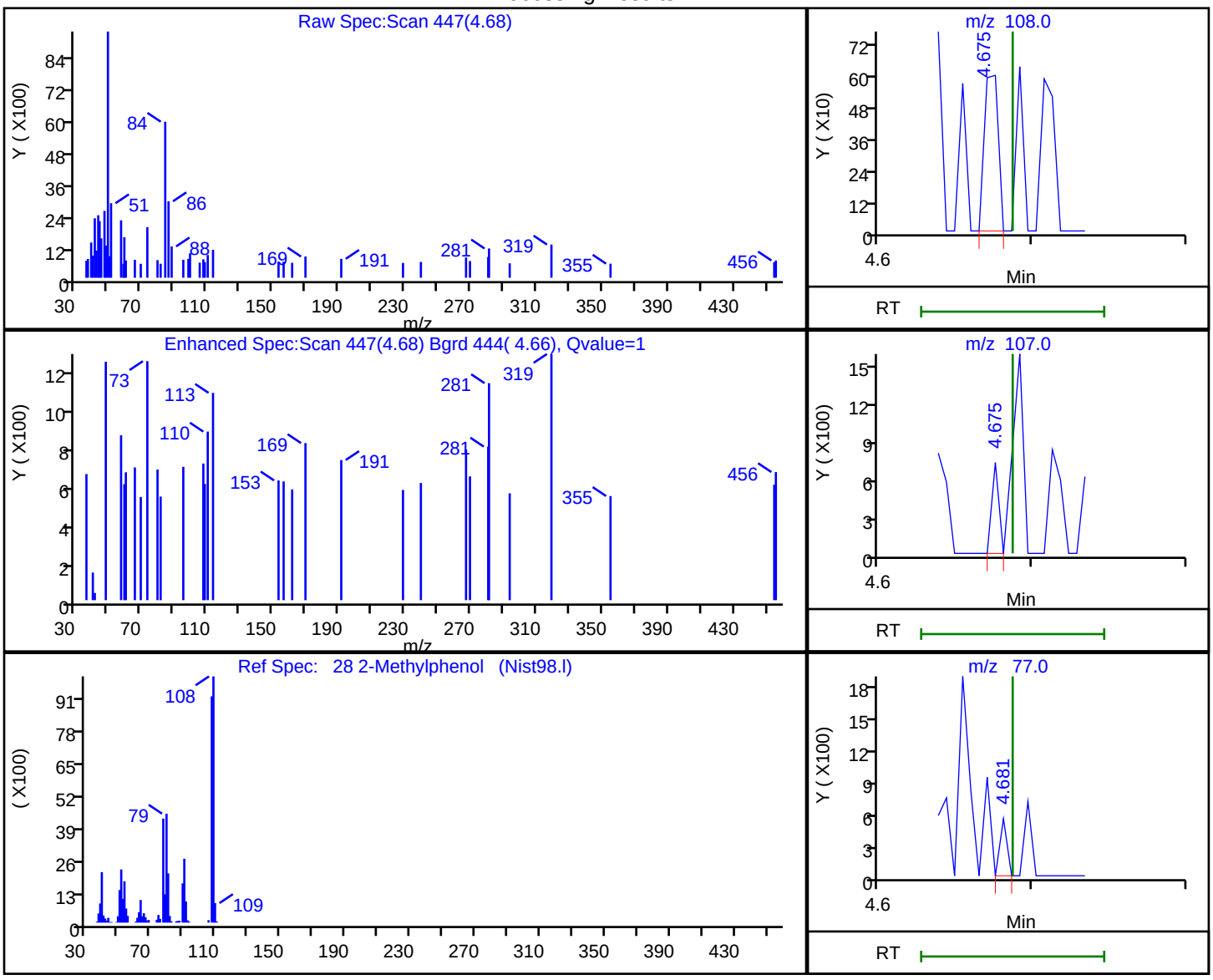
User Disabled Compound Report

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC051\20220317-81787.b\31722A10.D
Injection Date: 17-Mar-2022 13:35:30 Instrument ID: TAC051
Lims ID: MB 580-383995/1-A
Client ID:
Operator ID: TL ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

28 2-Methylphenol, CAS: 95-48-7

Processing Results



RT	Mass	Response	Amount
4.68	108.00	380	1.313336
4.68	107.00	225	
4.68	77.00	170	

Reviewer: limmere, 17-Mar-2022 16:57:28
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

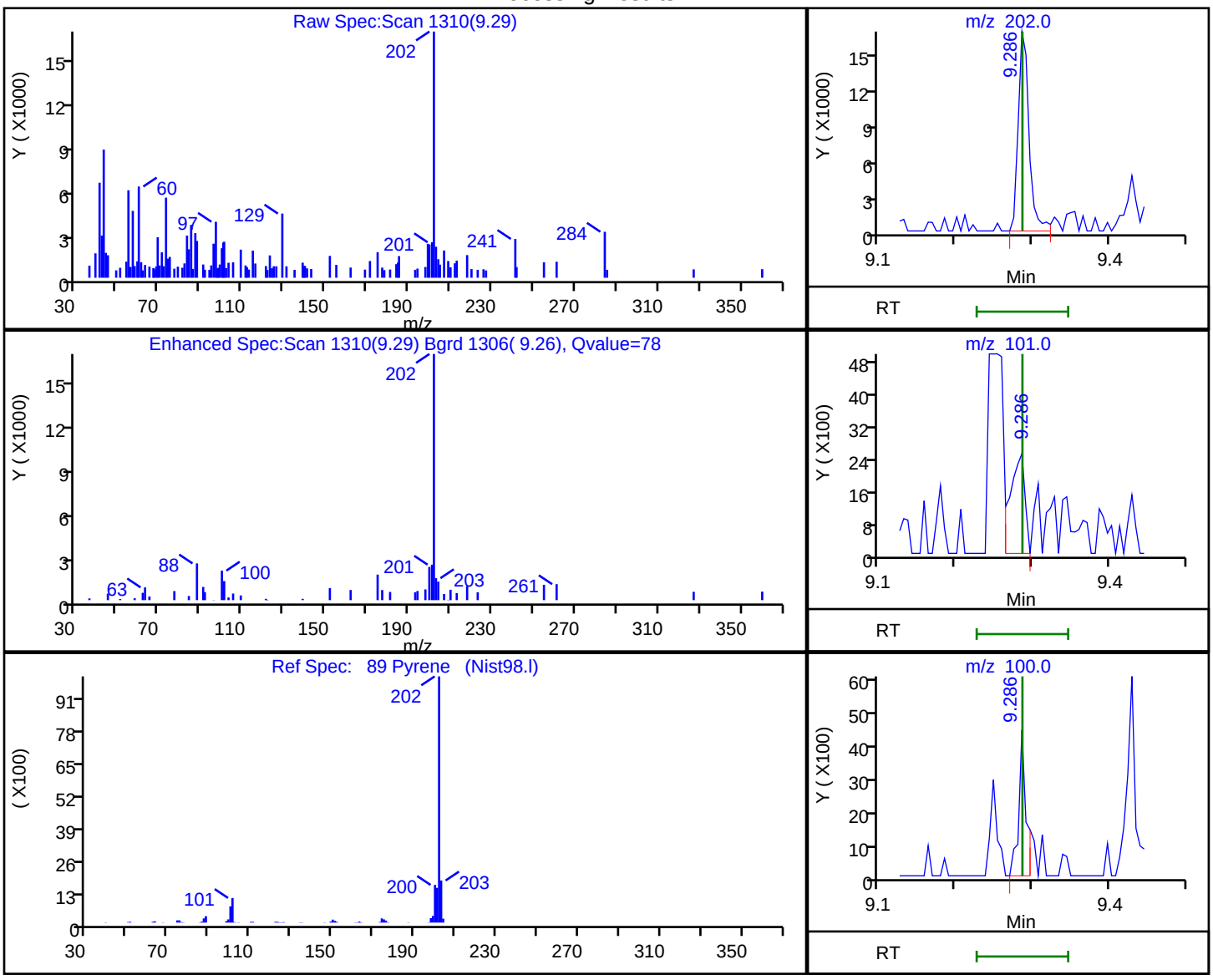
User Disabled Compound Report

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC051\20220317-81787.b\31722A10.D
Injection Date: 17-Mar-2022 13:35:30 Instrument ID: TAC051
Lims ID: MB 580-383995/1-A
Client ID:
Operator ID: TL ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

89 Pyrene, CAS: 129-00-0

Processing Results



RT	Mass	Response	Amount
9.29	202.00	16773	11.634267
9.29	101.00	3282	
9.29	100.00	2972	

Reviewer: limmere, 17-Mar-2022 16:57:59
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle | Job No.: 580-111294-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 580-383995/1-A RA

Matrix: Water | Lab File ID: 40Scan032222a006.D

Analysis Method: 8270E | Date Collected:

Extract. Method: 3510C | Date Extracted: 03/16/2022 09:47

Sample wt/vol: 1000(mL) | Date Analyzed: 03/22/2022 13:51

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 384624 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
51-28-5	2,4-Dinitrophenol	3.2	U	5.0	3.2	1.6
534-52-1	4,6-Dinitro-2-methylphenol	1.2	U	2.0	1.2	0.55

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	60		43-140
321-60-8	2-Fluorobiphenyl	69		44-119
367-12-4	2-Fluorophenol (Surr)	50		19-119
4165-60-0	Nitrobenzene-d5 (Surr)	79		44-120
4165-62-2	Phenol-d5 (Surr)	31		10-120
1718-51-0	Terphenyl-d14	108		50-134

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC040\20220322-81863.b\40Scan032222a006.D
Lims ID: MB 580-383995/1-A
Client ID:
Sample Type: MB
Inject. Date: 22-Mar-2022 13:51:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: MB 580-383995/1-A
Operator ID: jcm Instrument ID: TAC040

Method: \\chromfs\Seattle\ChromData\TAC040\20220322-81863.b\8270TAC040.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 22-Mar-2022 17:31:03 Calib Date: 21-Mar-2022 08:53:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC040\20220321-81841.b\40Scan032022x015.D

Column 1 : Det: MS SCAN
Process Host: CTX1668

First Level Reviewer: boylea Date: 22-Mar-2022 17:31:03

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.689	4.689	0.000	93	17402	100.0	100.0	
* 2 Naphthalene-d8	136	5.719	5.719	0.000	98	64461	100.0	100.0	
* 3 Acenaphthene-d10	164	7.154	7.154	0.000	87	28962	100.0	100.0	
* 4 Phenanthrene-d10	188	8.371	8.371	0.000	96	48111	100.0	100.0	
* 5 Chrysene-d12	240	10.577	10.577	0.000	95	44222	100.0	100.0	
* 6 Perylene-d12	264	12.089	12.089	0.000	95	49805	100.0	100.0	
$ 7 2-Fluorophenol	112	3.638	3.633	0.005	91	114598	1000.0	496.4	
$ 8 Phenol-d5	99	4.419	4.413	0.006	0	86644	1000.0	310.8	
$ 9 Nitrobenzene-d5	82	5.136	5.136	0.000	95	206452	1000.0	789.4	
$ 10 2-Fluorobiphenyl	172	6.613	6.613	0.000	98	265707	1000.0	690.1	
$ 11 2,4,6-Tribromophenol	330	7.807	7.807	0.000	91	49771	1000.0	599.1	
$ 12 Terphenyl-d14	244	9.695	9.695	0.000	97	412797	1000.0	1083.6	
26 Cyclohexanone	55	4.519	4.542	-0.023	13	886		NC	
21 n-Decane	57	4.572	4.572	0.000	94	40605		124.6	
29 Acetophenone	105	5.019	5.019	0.000	80	5135		16.0	
66 Diethyl phthalate	149	7.536	7.536	0.000	16	1658		4.36	
83 Di-n-butyl phthalate	149	8.877	8.877	0.000	75	17212		26.3	
86 Pyrene	202	9.548	9.548	0.000	78	7307		12.6	
88 Nonylphenol	135	9.730	9.736	-0.006	0	490		NC	
87 Butyl benzyl phthalate	149	10.107	10.107	0.000	77	4680		17.6	
89 Benzo[a]anthracene	228	10.565	10.565	0.000	53	3126		6.08	
90 Chrysene	228	10.595	10.595	-0.006	6	6789		12.5	a
92 Bis(2-ethylhexyl) phthalate	149	10.630	10.630	0.000	92	40331		109.3	
124 4,4'-DDD	235	9.924	9.924	0.000	1	412		NR	
125 4,4'-DDT	235	10.177	10.171	0.006	1	479		NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

NC - Not Calibrated

Review Flags

a - User Assigned ID

Reagents:

MeCl2_CT_00216	Amount Added:	1.00	Units: mL	Run Reagent
8270SIM_IS_00069	Amount Added:	10.00	Units: uL	Run Reagent

Report Date: 22-Mar-2022 17:31:03 Chrom Revision: 2.3 18-Mar-2022 09:07:22

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220322-81863.b\40Scan032222a006.D

Injection Date: 22-Mar-2022 13:51:30 Instrument ID: TAC040

Lims ID: MB 580-383995/1-A

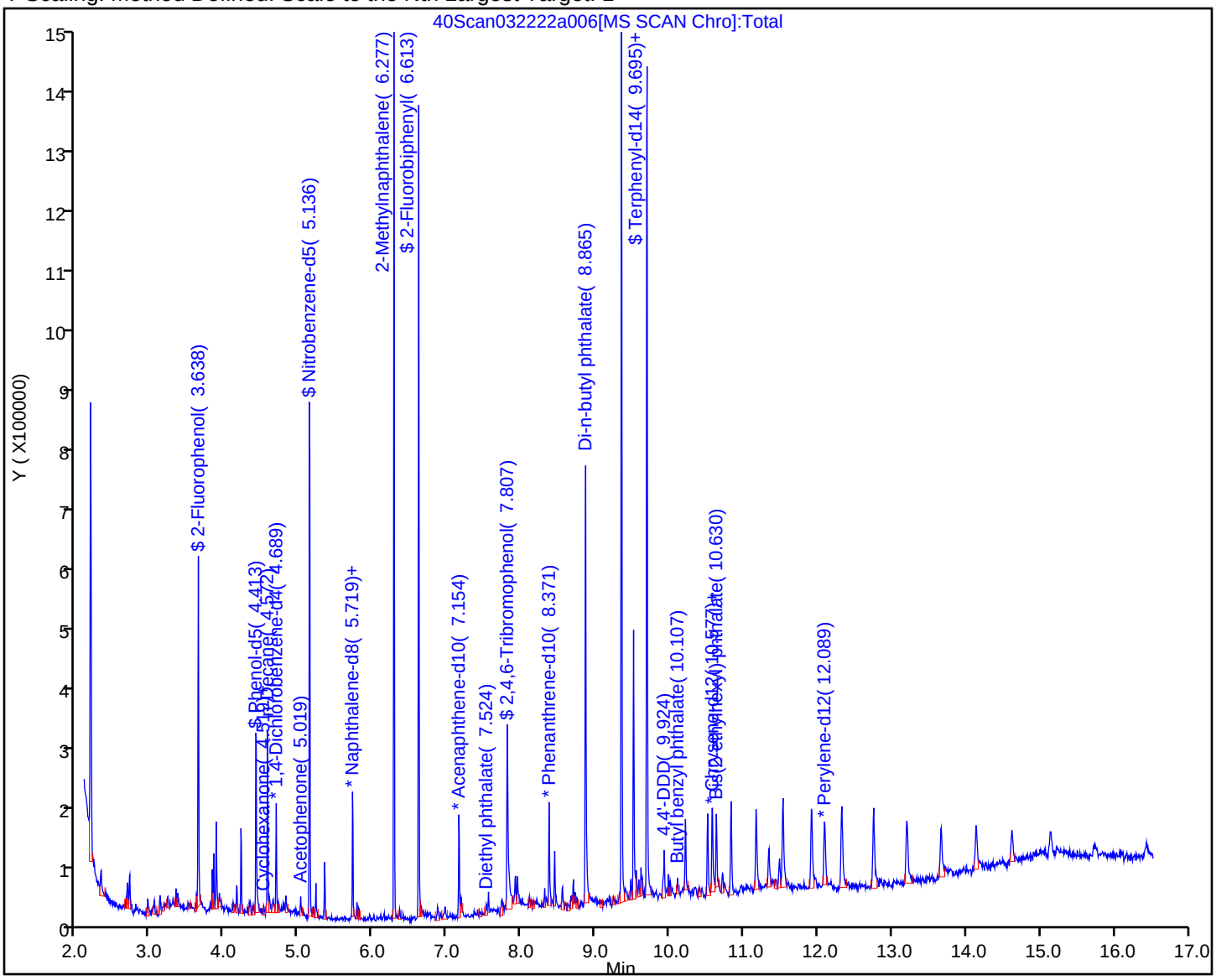
Client ID:

Operator ID: jcm ALS Bottle#: 5 Worklist Smp#: 5

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle
Recovery Report

Data File: \\chromfs\Seattle\ChromData\TAC040\20220322-81863.b\40Scan032222a006.D
Lims ID: MB 580-383995/1-A
Client ID:
Sample Type: MB
Inject. Date: 22-Mar-2022 13:51:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: MB 580-383995/1-A
Operator ID: jcm Instrument ID: TAC040

Method: \\chromfs\Seattle\ChromData\TAC040\20220322-81863.b\8270TAC040.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 22-Mar-2022 17:31:03 Calib Date: 21-Mar-2022 08:53:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC040\20220321-81841.b\40Scan032022x015.D

Column 1 : Det: MS SCAN
Process Host: CTX1668

First Level Reviewer: boylea Date: 22-Mar-2022 17:31:03

Compound	Amount Added	Amount Recovered	% Rec.
$ 7 2-Fluorophenol	1000.0	496.4	49.64
$ 8 Phenol-d5	1000.0	310.8	31.08
$ 9 Nitrobenzene-d5	1000.0	789.4	78.94
$ 10 2-Fluorobiphenyl	1000.0	690.1	69.01
$ 11 2,4,6-Tribromophenol	1000.0	599.1	59.91
$ 12 Terphenyl-d14	1000.0	1083.6	108.36

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle | Job No.: 580-111294-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 580-383995/2-A

Matrix: Water | Lab File ID: 31722A11.D

Analysis Method: 8270E | Date Collected:

Extract. Method: 3510C | Date Extracted: 03/16/2022 09:47

Sample wt/vol: 1000(mL) | Date Analyzed: 03/17/2022 13:58

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 384146 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
120-82-1	1,2,4-Trichlorobenzene	1.28		0.40	0.30	0.090
95-50-1	1,2-Dichlorobenzene	1.17		0.40	0.15	0.050
541-73-1	1,3-Dichlorobenzene	1.19		0.40	0.090	0.040
106-46-7	1,4-Dichlorobenzene	1.14		0.40	0.090	0.040
95-95-4	2,4,5-Trichlorophenol	1.55		0.40	0.30	0.10
88-06-2	2,4,6-Trichlorophenol	1.74		0.60	0.30	0.10
120-83-2	2,4-Dichlorophenol	1.69		1.0	0.50	0.20
105-67-9	2,4-Dimethylphenol	1.57	J	4.0	0.50	0.16
121-14-2	2,4-Dinitrotoluene	1.96		1.0	0.30	0.10
606-20-2	2,6-Dinitrotoluene	1.93		0.40	0.30	0.10
91-58-7	2-Chloronaphthalene	1.60		1.0	0.15	0.070
95-57-8	2-Chlorophenol	1.64		1.0	0.15	0.050
88-75-5	2-Nitrophenol	1.73		1.0	0.15	0.070
91-94-1	3,3'-Dichlorobenzidine	3.89		1.0	0.60	0.26
101-55-3	4-Bromophenyl phenyl ether	1.65		0.60	0.15	0.060
59-50-7	4-Chloro-3-methylphenol	1.73		0.60	0.30	0.13
7005-72-3	4-Chlorophenyl phenyl ether	1.80		0.60	0.15	0.050
100-02-7	4-Nitrophenol	6.0	U	10	6.0	1.7
103-33-3	Azobenzene	1.68	J	2.0	0.15	0.060
111-91-1	Bis(2-chloroethoxy)methane	1.62		0.60	0.15	0.050
111-44-4	Bis(2-chloroethyl)ether	1.42		0.10	0.090	0.030
117-81-7	Bis(2-ethylhexyl) phthalate	2.49	J	3.0	1.6	0.74
108-60-1	bis (2-chloroisopropyl) ether	1.42		0.25	0.15	0.060
85-68-7	Butyl benzyl phthalate	2.06	J	4.0	0.60	0.27
84-66-2	Diethyl phthalate	1.99		1.0	0.30	0.15
131-11-3	Dimethyl phthalate	2.10		0.60	0.15	0.060
84-74-2	Di-n-butyl phthalate	1.83	J	3.0	0.50	0.19
117-84-0	Di-n-octyl phthalate	2.21		1.0	0.30	0.13
118-74-1	Hexachlorobenzene	1.56		0.60	0.090	0.040
87-68-3	Hexachlorobutadiene	0.997	J	1.0	0.15	0.060
77-47-4	Hexachlorocyclopentadiene	0.994	J	1.0	0.30	0.14
67-72-1	Hexachloroethane	1.04		1.0	0.15	0.050
78-59-1	Isophorone	1.64		0.40	0.30	0.10
15831-10-4	m+p-Cresol	1.15		0.60	0.30	0.10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle | Job No.: 580-111294-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 580-383995/2-A

Matrix: Water | Lab File ID: 31722A11.D

Analysis Method: 8270E | Date Collected:

Extract. Method: 3510C | Date Extracted: 03/16/2022 09:47

Sample wt/vol: 1000(mL) | Date Analyzed: 03/17/2022 13:58

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 384146 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
98-95-3	Nitrobenzene	1.56		1.0	0.090	0.040
62-75-9	N-Nitrosodimethylamine	1.11	J	2.0	0.60	0.26
621-64-7	N-Nitrosodi-n-propylamine	1.55		0.40	0.090	0.060
86-30-6	N-Nitrosodiphenylamine	1.89		1.0	0.15	0.070
95-48-7	o-Cresol	1.46		0.60	0.15	0.050
87-86-5	Pentachlorophenol	1.55	J	10	1.0	0.51
108-95-2	Phenol	0.826	J M	1.0	0.60	0.36
129-00-0	Pyrene	1.65		1.0	0.090	0.040
110-86-1	Pyridine	1.33	J	10	3.2	1.1

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	84		43-140
321-60-8	2-Fluorobiphenyl	79		44-119
367-12-4	2-Fluorophenol (Surr)	50		19-119
4165-60-0	Nitrobenzene-d5 (Surr)	81		44-120
4165-62-2	Phenol-d5 (Surr)	32		10-120
1718-51-0	Terphenyl-d14	96		50-134

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220317-81787.b\31722A11.D
Lims ID: LCS 580-383995/2-A
Client ID:
Sample Type: LCS
Inject. Date: 17-Mar-2022 13:58:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: lcs 580-383995/2-a
Operator ID: TL Instrument ID: TAC051

Method: \\chromfs\Seattle\ChromData\TAC051\20220317-81787.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 17-Mar-2022 16:59:53 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1602

First Level Reviewer: limmere Date: 17-Mar-2022 16:59:53

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.455	4.457	-0.002	87	34353	100.0	100.0	
* 2 Naphthalene-d8	136	5.470	5.467	0.003	96	119550	100.0	100.0	
* 3 Acenaphthene-d10	164	6.896	6.893	0.003	93	62613	100.0	100.0	
* 4 Phenanthrene-d10	188	8.109	8.111	-0.002	94	106480	100.0	100.0	
* 5 Chrysene-d12	240	10.304	10.307	-0.003	63	82991	100.0	100.0	
* 6 Perylene-d12	264	11.827	11.835	-0.008	89	91909	100.0	100.0	
$ 7 2-Fluorophenol	112	3.472	3.469	0.003	83	159081	1000.0	501.1	
$ 8 Phenol-d5	99	4.214	4.217	-0.003	97	115282	1000.0	324.7	
$ 9 Nitrobenzene-d5	82	4.898	4.895	0.003	84	229931	1000.0	808.0	
$ 10 2-methylnaphthalene-d10	152	6.020	6.022	-0.002	0	540068	NC	NC	
$ 11 2-Fluorobiphenyl	172	6.351	6.354	-0.003	98	657004	1000.0	789.1	
$ 12 2,4,6-Tribromophenol	330	7.548	7.550	-0.002	85	119642	1000.0	836.9	
$ 13 Fluoranthene-d10 (Surr)	212	9.086	9.089	-0.003	0	909996	NC	NC	
$ 14 Terphenyl-d14	244	9.428	9.431	-0.003	96	766469	1000.0	961.1	
15 1,4-Dioxane	88	2.371	2.331	0.040	1	1995	NC	NC	
16 N-Nitrosodimethylamine	74	2.409	2.408	-0.002	77	77007	1000.0	555.6	
17 Pyridine	79	2.425	2.418	0.003	82	157115	2000.0	666.7	
18 Aniline	93	4.204	4.206	-0.002	98	269589	1000.0	627.7	
19 Phenol	94	4.225	4.225	-0.002	96	142464	1000.0	412.9	M
20 Bis(2-chloroethyl)ether	93	4.257	4.259	-0.002	95	210476	1000.0	709.3	
21 2-Chlorophenol	128	4.300	4.302	-0.002	88	341435	1000.0	821.1	
22 n-Decane	57	4.332	4.334	-0.002	86	135177	1000.0	498.2	
23 1,3-Dichlorobenzene	146	4.407	4.403	-0.002	96	293946	1000.0	593.6	
25 1,4-Dichlorobenzene	146	4.466	4.462	-0.002	96	305273	1000.0	567.9	
27 1,2-Dichlorobenzene	146	4.583	4.579	-0.002	96	293614	1000.0	583.3	
26 Benzyl alcohol	79	4.583	4.585	-0.002	53	114241	1000.0	545.9	
29 2,2'-oxybis[1-chloropropane]	45	4.679	4.681	-0.002	79	237239	1000.0	711.7	
28 2-Methylphenol	108	4.690	4.687	0.003	93	210623	1000.0	730.4	
30 Acetophenone	105	4.781	4.783	-0.002	92	365051	1000.0	839.2	
31 N-Nitrosodi-n-propylamine	70	4.786	4.788	-0.002	91	132469	1000.0	773.8	
32 3 & 4 Methylphenol	108	4.818	4.815	0.003	96	171775	1000.0	574.3	
33 Hexachloroethane	117	4.845	4.847	-0.002	87	101847	1000.0	522.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
34 Nitrobenzene	77	4.914	4.911	0.003	78	227162	1000.0	781.5	
35 Isophorone	82	5.107	5.109	-0.002	93	415086	1000.0	821.0	
36 2-Nitrophenol	139	5.165	5.167	-0.003	90	177999	1000.0	865.4	
37 2,4-Dimethylphenol	107	5.229	5.232	-0.003	92	268910	1000.0	787.3	
38 Bis(2-chloroethoxy)methane	93	5.288	5.290	-0.002	96	256734	1000.0	809.4	
39 Benzoic acid	105	5.304	5.304	-0.013	74	94116	2000.0	687.6	a
40 2,4-Dichlorophenol	162	5.379	5.381	-0.002	87	266146	1000.0	843.4	
41 1,2,4-Trichlorobenzene	180	5.422	5.423	-0.002	94	233775	1000.0	639.5	
42 Naphthalene	128	5.486	5.488	-0.002	94	917949	1000.0	766.1	
43 4-Chloroaniline	127	5.550	5.546	0.003	70	289739	1000.0	700.5	
44 2,6-Dichlorophenol	162	5.550	5.556	-0.002	93	270450	1000.0	832.1	
45 Hexachlorobutadiene	225	5.587	5.589	-0.003	89	108143	1000.0	498.4	
46 4-Chloro-3-methylphenol	107	5.972	5.969	0.003	86	209699	1000.0	866.7	
47 2-Methylnaphthalene	142	6.047	6.049	-0.002	84	597254	1000.0	766.9	
48 1-Methylnaphthalene	142	6.127	6.128	-0.002	88	576763	1000.0	779.7	
49 Hexachlorocyclopentadiene	237	6.175	6.181	-0.002	88	109823	1000.0	497.1	
50 1,2,4,5-Tetrachlorobenzene	216	6.186	6.187	0.003	94	232371	1000.0	701.4	
52 2,4,6-Trichlorophenol	196	6.293	6.299	-0.002	89	174025	1000.0	869.8	
53 2,4,5-Trichlorophenol	196	6.335	6.342	-0.003	92	175633	1000.0	775.7	
54 1,1'-Biphenyl	154	6.431	6.438	-0.003	94	730083	1000.0	803.7	
55 2-Chloronaphthalene	162	6.442	6.449	-0.002	96	572415	1000.0	802.4	
56 2-Nitroaniline	138	6.544	6.546	-0.002	91	198408	1000.0	994.1	
57 Dimethyl phthalate	163	6.699	6.695	0.004	98	772837	1000.0	1050.1	
58 1,3-Dinitrobenzene	168	6.720	6.727	-0.002	51	108869	1000.0	995.7	
59 2,6-Dinitrotoluene	165	6.741	6.744	-0.003	71	175901	1000.0	965.1	
60 Acenaphthylene	152	6.779	6.781	-0.002	95	969733	1000.0	918.2	
61 3-Nitroaniline	138	6.886	6.892	-0.002	90	155333	1000.0	890.1	
62 Acenaphthene	153	6.923	6.924	0.003	92	623599	1000.0	851.1	
63 2,4-Dinitrophenol	184	6.971	6.971	-0.002	86	140119	2000.0	1599.1	a
66 Dibenzofuran	168	7.062	7.064	-0.002	92	890462	1000.0	955.9	
65 2,4-Dinitrotoluene	165	7.072	7.075	-0.003	93	228846	1000.0	977.8	
64 4-Nitrophenol	109	7.062	7.080	-0.018	36	3612	2000.0	814.7	
51 2,3,5,6-Tetrachlorophenol	232	7.142	7.149	-0.002	84	125893	1000.0	795.3	
67 2,3,4,6-Tetrachlorophenol	232	7.179	7.186	-0.003	73	157058	1000.0	841.5	
68 Diethyl phthalate	149	7.275	7.272	0.003	97	806562	1000.0	993.8	
69 Fluorene	166	7.345	7.352	-0.002	83	740387	1000.0	998.7	
70 4-Chlorophenyl phenyl ether	204	7.356	7.363	-0.002	90	307594	1000.0	901.4	
71 4-Nitroaniline	138	7.388	7.385	0.003	88	143403	1000.0	868.0	
72 4,6-Dinitro-2-methylphenol	198	7.404	7.405	0.003	91	204995	2000.0	1646.3	
73 N-Nitrosodiphenylamine	169	7.452	7.464	-0.007	58	534578	1000.0	945.7	
74 Azobenzene	77	7.478	7.481	-0.003	92	492607	1000.0	839.4	
75 4-Bromophenyl phenyl ether	248	7.751	7.758	-0.002	60	193904	1000.0	823.8	
76 Hexachlorobenzene	284	7.788	7.795	-0.003	86	214243	1000.0	778.5	
77 Atrazine	200	7.906	7.913	-0.002	94	390065	2000.0	1843.1	
78 Pentachlorophenol	266	7.970	7.971	0.003	85	102442	2000.0	774.5	
79 n-Octadecane	57	8.050	8.052	-0.002	91	248134	1000.0	735.3	
80 Phenanthrene	178	8.125	8.127	-0.002	97	1017864	1000.0	846.0	
81 Anthracene	178	8.173	8.170	0.003	96	1044474	1000.0	837.5	
83 Carbazole	167	8.317	8.319	-0.002	82	996250	1000.0	1047.8	
84 Di-n-butyl phthalate	149	8.616	8.619	-0.003	99	1385597	1000.0	916.8	
85 Fluoranthene	202	9.102	9.105	-0.003	96	1069368	1000.0	834.2	
88 Benzidine	184	9.241	9.238	0.003	94	207162	2000.0	747.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
89 Pyrene	202	9.284	9.286	-0.002	98	1084549	1000.0	822.7	
94 Butyl benzyl phthalate	149	9.845	9.847	-0.002	91	617268	1000.0	1031.4	
96 3,3'-Dichlorobenzidine	252	10.294	10.296	-0.002	65	652239	2000.0	1946.7	
97 Benzo[a]anthracene	228	10.294	10.296	-0.002	99	909445	1000.0	874.3	
99 Chrysene	228	10.331	10.333	-0.002	92	889931	1000.0	806.7	
98 Bis(2-ethylhexyl) phthalate	149	10.358	10.360	-0.002	76	962372	1000.0	1244.6	
100 Di-n-octyl phthalate	149	11.020	11.023	-0.003	97	1345209	1000.0	1105.5	
101 Benzo[b]fluoranthene	252	11.389	11.397	-0.007	93	906604	1000.0	890.9	
102 Benzofluoranthene	252	11.389	11.389	-0.034	1	1928419	2000.0	1707.4	a
103 Benzo[k]fluoranthene	252	11.421	11.423	-0.002	98	1056434	1000.0	856.2	
104 Benzo[a]pyrene	252	11.763	11.765	-0.002	74	827205	1000.0	884.0	
105 Indeno[1,2,3-cd]pyrene	276	13.125	13.133	-0.008	99	840004	1000.0	901.8	
106 Dibenz(a,h)anthracene	278	13.168	13.170	-0.002	6	913064	1000.0	910.6	
107 Benzo[g,h,i]perylene	276	13.456	13.459	-0.003	92	978560	1000.0	839.0	

QC Flag Legend

Processing Flags
NC - Not Calibrated
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

8270SIM_IS_00069 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 17-Mar-2022 16:59:54 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC051\20220317-81787.b\31722A11.D

Injection Date: 17-Mar-2022 13:58:30 Instrument ID: TAC051

Lims ID: LCS 580-383995/2-A

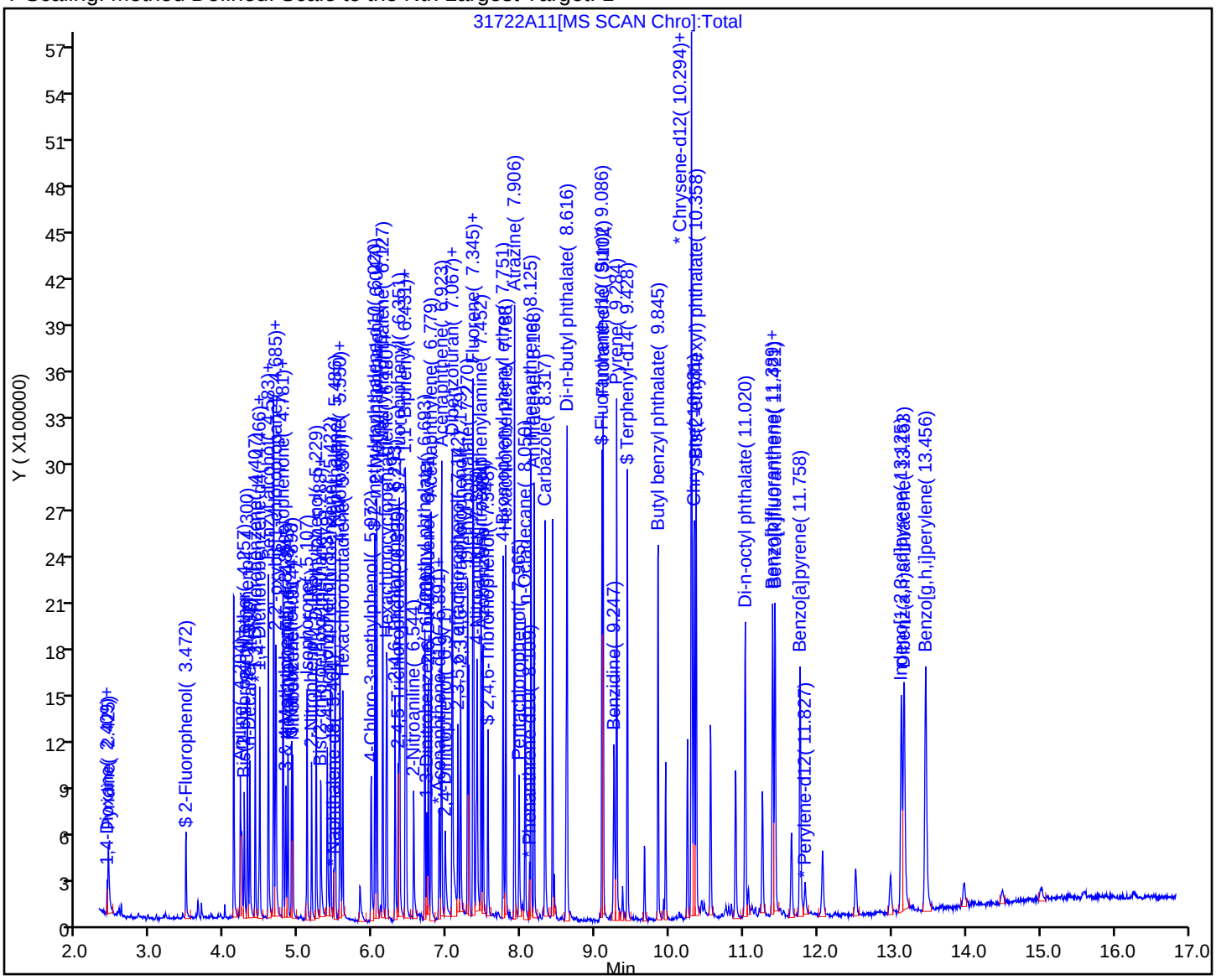
Client ID:

Operator ID: TL ALS Bottle#: 6 Worklist Smp#: 6

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle
Recovery Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220317-81787.b\31722A11.D
Lims ID: LCS 580-383995/2-A
Client ID:
Sample Type: LCS
Inject. Date: 17-Mar-2022 13:58:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: lcs 580-383995/2-a
Operator ID: TL Instrument ID: TAC051

Method: \\chromfs\Seattle\ChromData\TAC051\20220317-81787.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 17-Mar-2022 16:59:53 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1602

First Level Reviewer: limmere Date: 17-Mar-2022 16:59:53

Compound	Amount Added	Amount Recovered	% Rec.
$ 7 2-Fluorophenol	1000.0	501.1	50.11
$ 8 Phenol-d5	1000.0	324.7	32.47
$ 9 Nitrobenzene-d5	1000.0	808.0	80.80
$ 11 2-Fluorobiphenyl	1000.0	789.1	78.91
$ 12 2,4,6-Tribromophenol	1000.0	836.9	83.69
$ 14 Terphenyl-d14	1000.0	961.1	96.11

Manual Integration/User Assign Peak Report

Eurofins Seattle

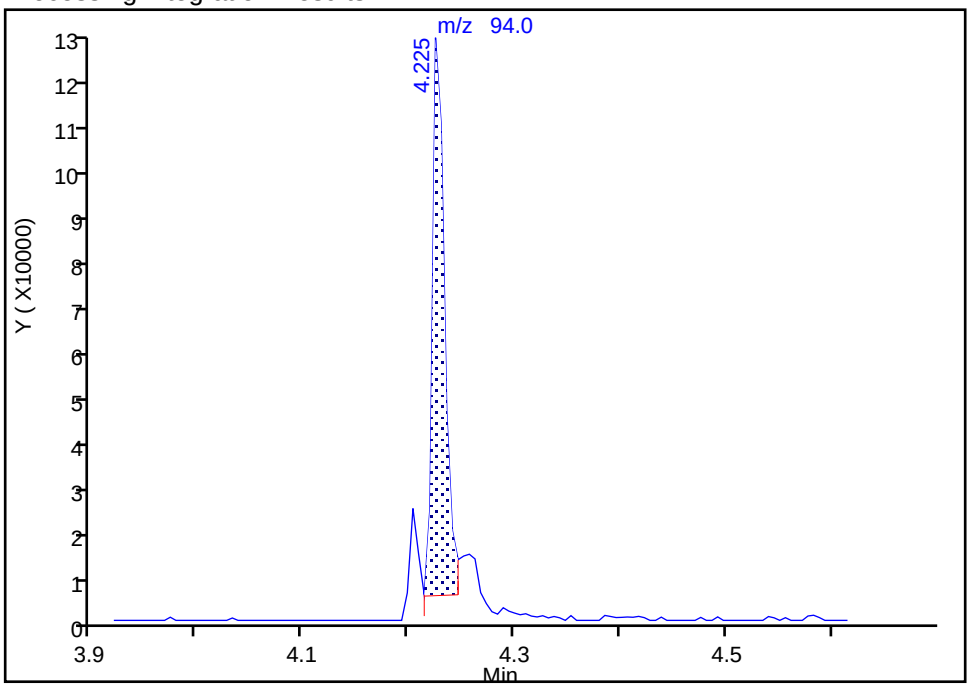
Data File: \\chromfs\Seattle\ChromData\TAC051\20220317-81787.b\31722A11.D
Injection Date: 17-Mar-2022 13:58:30 Instrument ID: TAC051
Lims ID: LCS 580-383995/2-A
Client ID:
Operator ID: TL ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

19 Phenol, CAS: 108-95-2

Signal: 1

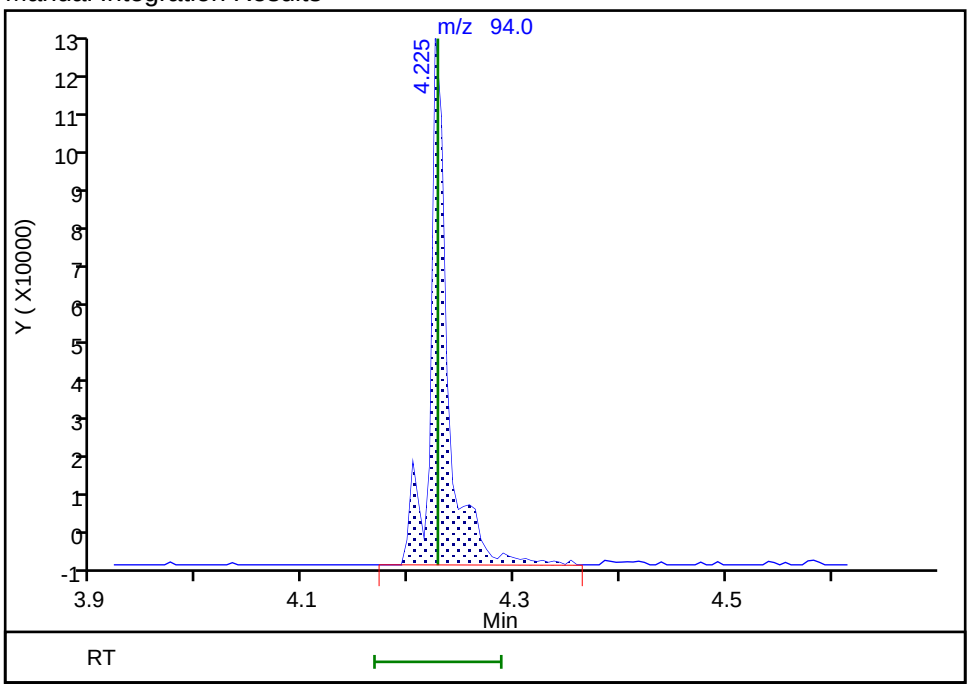
Processing Integration Results

RT: 4.23
Area: 94672
Amount: 274.3861
Amount Units: ug/L



Manual Integration Results

RT: 4.23
Area: 142464
Amount: 412.9008
Amount Units: ug/L



Reviewer: limmere, 17-Mar-2022 16:59:03
Audit Action: Manually Integrated Audit Reason: Baseline

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle | Job No.: 580-111294-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 580-383995/2-A RA

Matrix: Water | Lab File ID: 40Scan032222a007.D

Analysis Method: 8270E | Date Collected:

Extract. Method: 3510C | Date Extracted: 03/16/2022 09:47

Sample wt/vol: 1000(mL) | Date Analyzed: 03/22/2022 14:15

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 384624 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
51-28-5	2,4-Dinitrophenol	2.96	J M	5.0	3.2	1.6
534-52-1	4,6-Dinitro-2-methylphenol	3.21		2.0	1.2	0.55

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	90		43-140
321-60-8	2-Fluorobiphenyl	76		44-119
367-12-4	2-Fluorophenol (Surr)	53		19-119
4165-60-0	Nitrobenzene-d5 (Surr)	90		44-120
4165-62-2	Phenol-d5 (Surr)	36		10-120
1718-51-0	Terphenyl-d14	111		50-134

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC040\20220322-81863.b\40Scan032222a007.D
Lims ID: LCS 580-383995/2-A
Client ID:
Sample Type: LCS
Inject. Date: 22-Mar-2022 14:15:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCS 580-383995/2-A
Operator ID: jcm Instrument ID: TAC040

Method: \\chromfs\Seattle\ChromData\TAC040\20220322-81863.b\8270TAC040.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 22-Mar-2022 17:34:21 Calib Date: 21-Mar-2022 08:53:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC040\20220321-81841.b\40Scan032022x015.D

Column 1 : Det: MS SCAN
Process Host: CTX1668

First Level Reviewer: boylea Date: 22-Mar-2022 17:34:21

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.689	4.689	0.000	94	16782	100.0	100.0	
* 2 Naphthalene-d8	136	5.719	5.719	0.000	97	63319	100.0	100.0	
* 3 Acenaphthene-d10	164	7.154	7.154	0.000	61	33674	100.0	100.0	
* 4 Phenanthrene-d10	188	8.371	8.371	0.000	96	51507	100.0	100.0	
* 5 Chrysene-d12	240	10.571	10.577	-0.006	57	49225	100.0	100.0	
* 6 Perylene-d12	264	12.083	12.089	-0.006	92	53227	100.0	100.0	
$ 7 2-Fluorophenol	112	3.638	3.633	0.005	93	118228	1000.0	531.0	
$ 8 Phenol-d5	99	4.413	4.413	0.000	0	97607	1000.0	363.1	
$ 9 Nitrobenzene-d5	82	5.136	5.136	0.000	95	231269	1000.0	900.2	
$ 10 2-Fluorobiphenyl	172	6.613	6.613	0.000	98	341741	1000.0	763.4	
$ 11 2,4,6-Tribromophenol	330	7.807	7.807	0.000	88	80736	1000.0	895.5	
$ 12 Terphenyl-d14	244	9.689	9.695	-0.006	96	453248	1000.0	1111.3	
15 N-Nitrosodimethylamine	74	2.483	2.477	0.006	81	99353	1000.0	658.7	
16 Pyridine	79	2.504	2.493	0.011	89	215384	2000.0	866.8	
17 Aniline	93	4.425	4.425	0.000	80	259426	1000.0	759.2	
18 Phenol	94	4.425	4.425	0.000	68	127338	1000.0	417.8	
19 Bis(2-chloroethyl)ether	93	4.489	4.489	0.000	88	186105	1000.0	848.1	
20 2-Chlorophenol	128	4.519	4.519	0.000	95	181823	1000.0	797.2	
21 n-Decane	57	4.572	4.572	0.000	93	189370	1000.0	663.7	
22 1,3-Dichlorobenzene	146	4.642	4.636	0.006	95	154651	1000.0	604.9	
23 1,4-Dichlorobenzene	146	4.701	4.701	0.000	89	162615	1000.0	617.9	
27 Benzyl alcohol	79	4.813	4.813	0.000	84	92073	1000.0	550.6	
24 1,2-Dichlorobenzene	146	4.825	4.819	0.006	94	159911	1000.0	643.8	
28 2-Methylphenol	108	4.913	4.913	0.000	66	153920	1000.0	727.2	
25 2,2'-oxybis[1-chloropropane]	45	4.925	4.925	0.001	80	367446	1000.0	888.7	
29 Acetophenone	105	5.019	5.019	0.000	85	273061	1000.0	881.3	
30 N-Nitrosodi-n-propylamine	70	5.025	5.025	0.001	92	172792	1000.0	872.1	
32 3 & 4 Methylphenol	108	5.042	5.042	0.000	0	143279	1000.0	683.3	
31 Hexachloroethane	117	5.095	5.095	0.000	96	62750	1000.0	539.3	
33 Nitrobenzene	77	5.154	5.154	0.000	93	230118	1000.0	849.3	
34 Isophorone	82	5.354	5.354	0.000	98	418916	1000.0	934.2	
35 2-Nitrophenol	139	5.413	5.413	0.000	91	91243	1000.0	879.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
37 2,4-Dimethylphenol	107	5.466	5.466	0.000	95	178434	1000.0	823.3	
36 Benzoic acid	105	5.513	5.513	-0.017	46	30086	2000.0	489.1	Ma
38 Bis(2-chloroethoxy)methane	93	5.542	5.542	0.000	93	237048	1000.0	874.6	
39 2,4-Dichlorophenol	162	5.613	5.619	-0.006	95	134631	1000.0	869.4	
40 1,2,4-Trichlorobenzene	180	5.677	5.677	0.000	89	135879	1000.0	681.8	
41 Naphthalene	128	5.736	5.736	0.000	98	506147	1000.0	786.6	
43 4-Chloroaniline	127	5.795	5.795	0.000	67	147808	1000.0	719.0	
42 2,6-Dichlorophenol	162	5.795	5.795	0.000	85	139563	1000.0	849.5	
44 Hexachlorobutadiene	225	5.842	5.842	0.000	93	61970	1000.0	533.2	
45 4-Chloro-3-methylphenol	107	6.207	6.207	0.000	94	150004	1000.0	851.4	
46 2-Methylnaphthalene	142	6.307	6.307	0.000	85	318038	1000.0	798.0	
47 1-Methylnaphthalene	142	6.383	6.383	0.000	89	307460	1000.0	794.5	
48 Hexachlorocyclopentadiene	237	6.436	6.436	0.000	68	66494	1000.0	562.7	
49 1,2,4,5-Tetrachlorobenzene	216	6.442	6.442	0.000	96	136676	1000.0	656.2	
50 2,4,6-Trichlorophenol	196	6.542	6.542	0.000	95	84043	1000.0	728.0	
51 2,4,5-Trichlorophenol	196	6.577	6.577	0.000	92	106812	1000.0	814.1	M
52 1,1'-Biphenyl	154	6.689	6.689	0.000	97	386524	1000.0	801.5	
53 2-Chloronaphthalene	162	6.701	6.701	0.000	97	303301	1000.0	771.5	
54 2-Nitroaniline	138	6.795	6.795	0.000	79	111577	1000.0	896.0	
55 Dimethyl phthalate	163	6.954	6.954	0.000	97	370944	1000.0	898.6	
56 1,3-Dinitrobenzene	168	6.971	6.971	0.000	48	42236	1000.0	802.1	
57 2,6-Dinitrotoluene	165	6.995	7.001	-0.006	67	76423	1000.0	820.5	
58 Acenaphthylene	152	7.036	7.042	-0.006	96	504154	1000.0	813.4	
59 3-Nitroaniline	138	7.136	7.136	0.000	90	75508	1000.0	891.4	
60 Acenaphthene	153	7.183	7.183	0.000	97	335176	1000.0	808.6	
69 2,4-Dinitrophenol	184	7.219	7.219	0.001	66	42053	2000.0	1482.5	a
63 4-Nitrophenol	109	7.307	7.307	0.000	90	34612	2000.0	898.1	Ma
61 Dibenzofuran	168	7.324	7.324	0.000	90	457103	1000.0	862.3	
62 2,4-Dinitrotoluene	165	7.324	7.324	0.000	64	103450	1000.0	875.6	
64 2,3,5,6-Tetrachlorophenol	232	7.395	7.401	-0.006	93	58865	1000.0	638.9	
65 2,3,4,6-Tetrachlorophenol	232	7.430	7.436	-0.006	75	78499	1000.0	758.1	
66 Diethyl phthalate	149	7.530	7.536	-0.006	95	400331	1000.0	905.1	
67 Fluorene	166	7.607	7.607	0.000	81	359524	1000.0	846.1	
68 4-Chlorophenyl phenyl ether	204	7.613	7.618	-0.005	93	161055	1000.0	851.1	
70 4-Nitroaniline	138	7.636	7.636	0.000	27	83905	1000.0	1045.5	
73 4,6-Dinitro-2-methylphenol	198	7.654	7.654	0.000	63	73907	2000.0	1606.1	
71 N-Nitrosodiphenylamine	169	7.713	7.713	0.000	63	247341	1000.0	913.8	
72 Azobenzene	77	7.742	7.742	0.000	94	509051	1000.0	984.0	
74 4-Bromophenyl phenyl ether	248	8.013	8.018	-0.005	72	111608	1000.0	908.2	
75 Hexachlorobenzene	284	8.048	8.054	-0.006	89	148666	1000.0	856.9	
76 Atrazine	200	8.160	8.165	-0.005	75	175814	2000.0	1716.6	
77 Pentachlorophenol	266	8.224	8.224	0.000	89	43648	2000.0	756.7	
78 n-Octadecane	43	8.313	8.313	0.000	89	277425	1000.0	978.2	
79 Phenanthrene	178	8.389	8.389	0.000	98	533019	1000.0	949.3	
80 Anthracene	178	8.430	8.430	0.000	98	542030	1000.0	950.7	
81 Carbazole	167	8.571	8.577	-0.006	83	490045	1000.0	1191.1	
83 Di-n-butyl phthalate	149	8.877	8.877	0.000	98	717076	1000.0	1023.6	
84 Fluoranthene	202	9.365	9.365	0.000	99	571430	1000.0	972.0	
85 Benzidine	184	9.495	9.495	0.000	97	95576	2000.0	1330.1	
86 Pyrene	202	9.548	9.548	0.000	95	589220	1000.0	948.5	
87 Butyl benzyl phthalate	149	10.107	10.107	0.000	97	296528	1000.0	1001.5	
91 3,3'-Dichlorobenzidine	252	10.559	10.559	0.000	68	386545	2000.0	2256.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
89 Benzo[a]anthracene	228	10.565	10.565	0.000	99	533682	1000.0	931.9	
90 Chrysene	228	10.595	10.595	-0.006	92	557770	1000.0	926.2	
92 Bis(2-ethylhexyl) phthalate	149	10.630	10.630	0.000	82	480094	1000.0	1169.2	
93 Di-n-octyl phthalate	149	11.295	11.295	0.000	99	659029	1000.0	970.6	
94 Benzo[b]fluoranthene	252	11.659	11.659	0.000	93	510873	1000.0	933.7	
95 Benzofluoranthene	252	11.689	11.689	0.000	0	1150291	2000.0	1877.4	
96 Benzo[k]fluoranthene	252	11.689	11.689	0.000	91	660745	1000.0	967.5	
97 Benzo[a]pyrene	252	12.024	12.024	0.000	77	481987	1000.0	943.4	
98 Indeno[1,2,3-cd]pyrene	276	13.342	13.342	0.000	92	444165	1000.0	939.6	
99 Dibenz(a,h)anthracene	278	13.377	13.377	0.000	78	519776	1000.0	883.2	
100 Benzo[g,h,i]perylene	276	13.653	13.653	0.000	89	585732	1000.0	974.0	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MeCl2_CT_00216	Amount Added: 1.00	Units: mL	Run Reagent
8270SIM_IS_00069	Amount Added: 10.00	Units: uL	Run Reagent

Report Date: 22-Mar-2022 17:34:22 Chrom Revision: 2.3 18-Mar-2022 09:07:22

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220322-81863.b\40Scan032222a007.D

Injection Date: 22-Mar-2022 14:15:30 Instrument ID: TAC040

Lims ID: LCS 580-383995/2-A

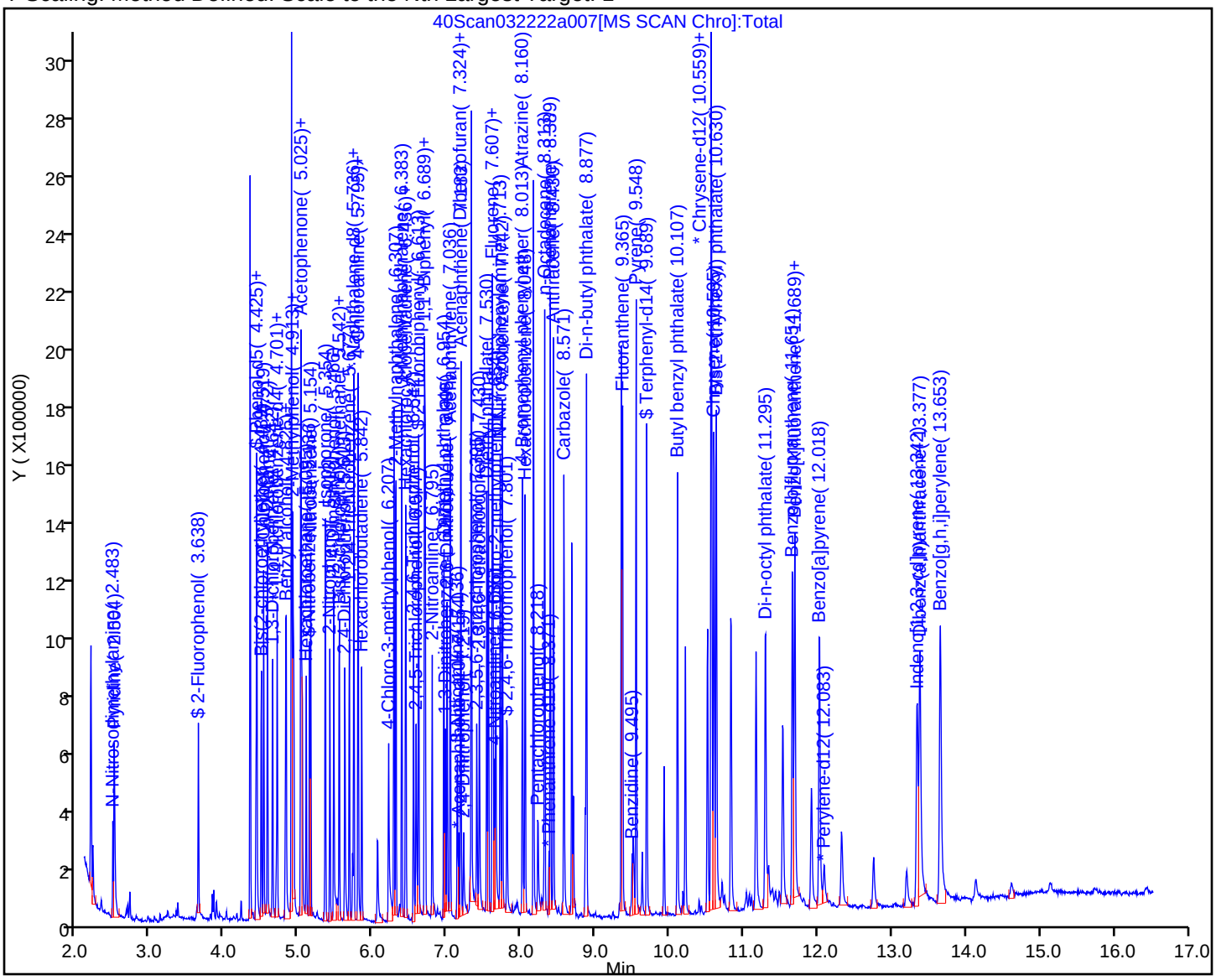
Client ID:

Operator ID: jcm ALS Bottle#: 6 Worklist Smp#: 6

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle
Recovery Report

Data File: \\chromfs\Seattle\ChromData\TAC040\20220322-81863.b\40Scan032222a007.D
Lims ID: LCS 580-383995/2-A
Client ID:
Sample Type: LCS
Inject. Date: 22-Mar-2022 14:15:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCS 580-383995/2-A
Operator ID: jcm Instrument ID: TAC040

Method: \\chromfs\Seattle\ChromData\TAC040\20220322-81863.b\8270TAC040.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 22-Mar-2022 17:34:21 Calib Date: 21-Mar-2022 08:53:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC040\20220321-81841.b\40Scan032022x015.D

Column 1 : Det: MS SCAN
Process Host: CTX1668

First Level Reviewer: boylea Date: 22-Mar-2022 17:34:21

Compound	Amount Added	Amount Recovered	% Rec.
$ 7 2-Fluorophenol	1000.0	531.0	53.10
$ 8 Phenol-d5	1000.0	363.1	36.31
$ 9 Nitrobenzene-d5	1000.0	900.2	90.02
$ 10 2-Fluorobiphenyl	1000.0	763.4	76.34
$ 11 2,4,6-Tribromophenol	1000.0	895.5	89.55
$ 12 Terphenyl-d14	1000.0	1111.3	111.13

Manual Integration/User Assign Peak Report

Eurofins Seattle

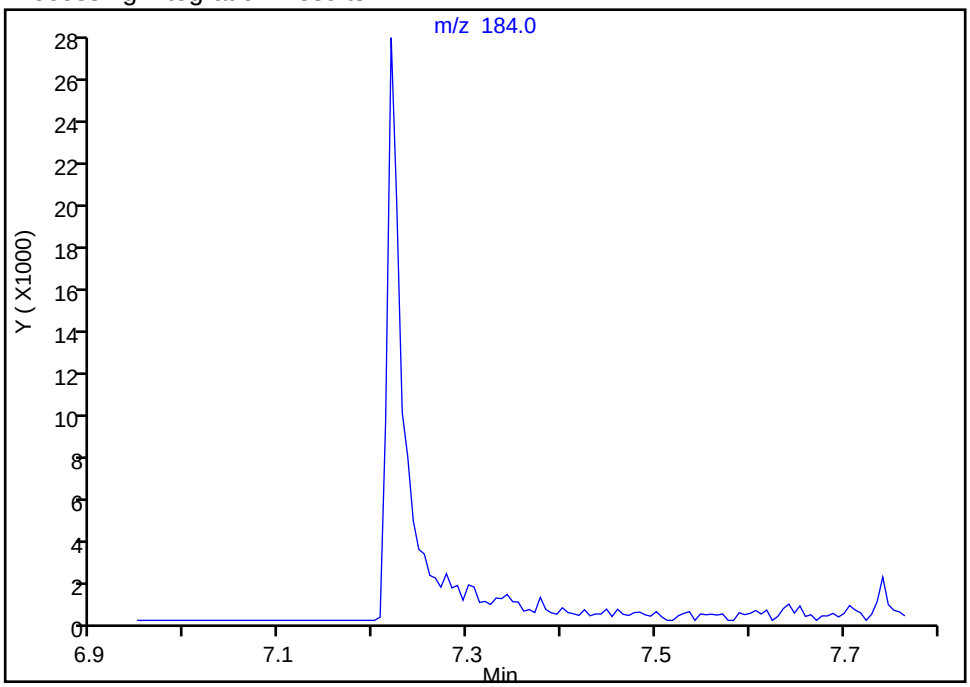
Data File: \\chromfs\Seattle\ChromData\TAC040\20220322-81863.b\40Scan032222a007.D
Injection Date: 22-Mar-2022 14:15:30 Instrument ID: TAC040
Lims ID: LCS 580-383995/2-A
Client ID:
Operator ID: jcm ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

69 2,4-Dinitrophenol, CAS: 51-28-5

Signal: 1

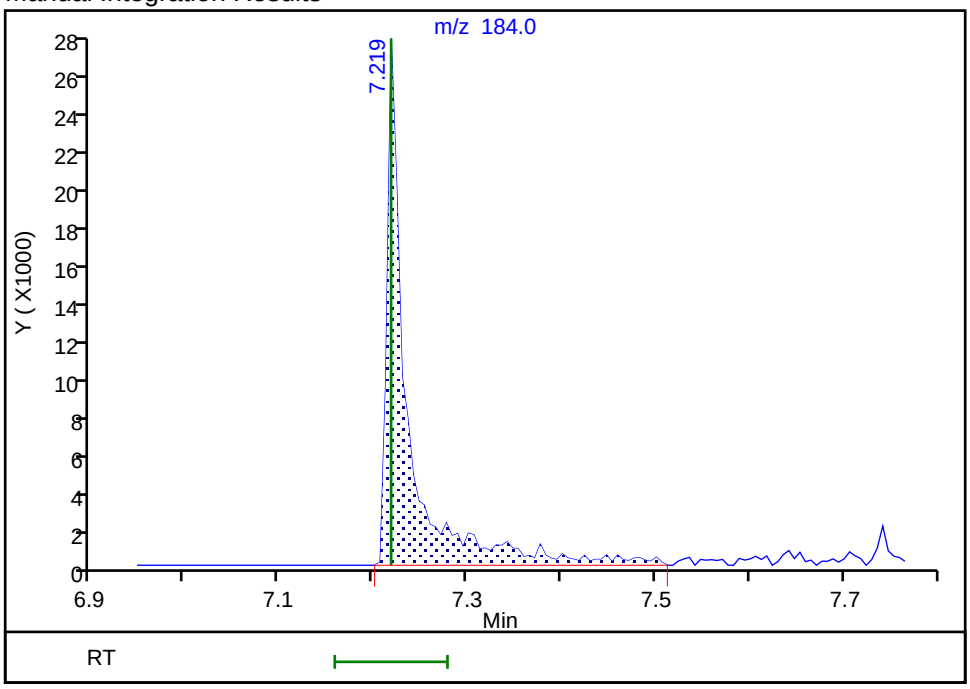
Not Detected
Expected RT: 7.22

Processing Integration Results



RT: 7.22
Area: 42053
Amount: 1482.4907
Amount Units: ug/L

Manual Integration Results



Reviewer: boylea, 22-Mar-2022 17:32:23
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle | Job No.: 580-111294-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 580-383995/3-A

Matrix: Water | Lab File ID: 31722A12.D

Analysis Method: 8270E | Date Collected:

Extract. Method: 3510C | Date Extracted: 03/16/2022 09:47

Sample wt/vol: 1000(mL) | Date Analyzed: 03/17/2022 14:22

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 384146 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
120-82-1	1,2,4-Trichlorobenzene	0.993	Q	0.40	0.30	0.090
95-50-1	1,2-Dichlorobenzene	0.999		0.40	0.15	0.050
541-73-1	1,3-Dichlorobenzene	0.933	Q	0.40	0.090	0.040
106-46-7	1,4-Dichlorobenzene	0.926		0.40	0.090	0.040
95-95-4	2,4,5-Trichlorophenol	1.59		0.40	0.30	0.10
88-06-2	2,4,6-Trichlorophenol	1.56		0.60	0.30	0.10
120-83-2	2,4-Dichlorophenol	1.64		1.0	0.50	0.20
105-67-9	2,4-Dimethylphenol	1.57	J	4.0	0.50	0.16
121-14-2	2,4-Dinitrotoluene	1.81		1.0	0.30	0.10
606-20-2	2,6-Dinitrotoluene	1.74		0.40	0.30	0.10
91-58-7	2-Chloronaphthalene	1.43		1.0	0.15	0.070
95-57-8	2-Chlorophenol	1.75		1.0	0.15	0.050
88-75-5	2-Nitrophenol	1.67		1.0	0.15	0.070
91-94-1	3,3'-Dichlorobenzidine	4.14		1.0	0.60	0.26
101-55-3	4-Bromophenyl phenyl ether	1.64		0.60	0.15	0.060
59-50-7	4-Chloro-3-methylphenol	1.61		0.60	0.30	0.13
7005-72-3	4-Chlorophenyl phenyl ether	1.64		0.60	0.15	0.050
100-02-7	4-Nitrophenol	6.0	U	10	6.0	1.7
103-33-3	Azobenzene	1.69	J	2.0	0.15	0.060
111-91-1	Bis(2-chloroethoxy)methane	1.65		0.60	0.15	0.050
111-44-4	Bis(2-chloroethyl)ether	1.52		0.10	0.090	0.030
117-81-7	Bis(2-ethylhexyl) phthalate	2.49	J	3.0	1.6	0.74
108-60-1	bis (2-chloroisopropyl) ether	1.47		0.25	0.15	0.060
85-68-7	Butyl benzyl phthalate	2.03	J	4.0	0.60	0.27
84-66-2	Diethyl phthalate	1.92		1.0	0.30	0.15
131-11-3	Dimethyl phthalate	1.96		0.60	0.15	0.060
84-74-2	Di-n-butyl phthalate	1.88	J	3.0	0.50	0.19
117-84-0	Di-n-octyl phthalate	2.16		1.0	0.30	0.13
118-74-1	Hexachlorobenzene	1.64		0.60	0.090	0.040
87-68-3	Hexachlorobutadiene	0.666	J Q	1.0	0.15	0.060
77-47-4	Hexachlorocyclopentadiene	0.706	J Q	1.0	0.30	0.14
67-72-1	Hexachloroethane	0.752	J Q	1.0	0.15	0.050
78-59-1	Isophorone	1.63		0.40	0.30	0.10
15831-10-4	m+p-Cresol	1.44	Q	0.60	0.30	0.10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle | Job No.: 580-111294-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 580-383995/3-A

Matrix: Water | Lab File ID: 31722A12.D

Analysis Method: 8270E | Date Collected:

Extract. Method: 3510C | Date Extracted: 03/16/2022 09:47

Sample wt/vol: 1000(mL) | Date Analyzed: 03/17/2022 14:22

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 384146 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
98-95-3	Nitrobenzene	1.64		1.0	0.090	0.040
62-75-9	N-Nitrosodimethylamine	1.06	J	2.0	0.60	0.26
621-64-7	N-Nitrosodi-n-propylamine	1.58		0.40	0.090	0.060
86-30-6	N-Nitrosodiphenylamine	1.96		1.0	0.15	0.070
95-48-7	o-Cresol	1.59		0.60	0.15	0.050
87-86-5	Pentachlorophenol	1.83	J	10	1.0	0.51
108-95-2	Phenol	0.664	J Q	1.0	0.60	0.36
129-00-0	Pyrene	1.66		1.0	0.090	0.040
110-86-1	Pyridine	1.78	J Q	10	3.2	1.1

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	87		43-140
321-60-8	2-Fluorobiphenyl	73		44-119
367-12-4	2-Fluorophenol (Surr)	51		19-119
4165-60-0	Nitrobenzene-d5 (Surr)	77		44-120
4165-62-2	Phenol-d5 (Surr)	41	M	10-120
1718-51-0	Terphenyl-d14	103		50-134

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220317-81787.b\31722A12.D
Lims ID: LCSD 580-383995/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 17-Mar-2022 14:22:30 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: lcsd 580-383995/3-a
Operator ID: TL Instrument ID: TAC051

Method: \\chromfs\Seattle\ChromData\TAC051\20220317-81787.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 18-Mar-2022 15:49:57 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1651

First Level Reviewer: limmere Date: 18-Mar-2022 18:08:08

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.457	4.457	0.000	88	33824	100.0	100.0	
* 2 Naphthalene-d8	136	5.466	5.467	-0.001	94	128364	100.0	100.0	
* 3 Acenaphthene-d10	164	6.893	6.893	0.000	89	67911	100.0	100.0	
* 4 Phenanthrene-d10	188	8.111	8.111	0.000	95	106499	100.0	100.0	
* 5 Chrysene-d12	240	10.306	10.307	-0.001	69	84222	100.0	100.0	
* 6 Perylene-d12	264	11.829	11.835	-0.006	87	97560	100.0	100.0	
$ 7 2-Fluorophenol	112	3.468	3.474	-0.001	85	160603	1000.0	513.7	
$ 8 Phenol-d5	99	4.216	4.225	-0.001	98	142359	1000.0	407.6	M
$ 9 Nitrobenzene-d5	82	4.895	4.895	0.000	86	234896	1000.0	768.8	
$ 10 2-methylnaphthalene-d10	152	6.022	6.022	0.000	0	540718	NC	NC	
$ 11 2-Fluorobiphenyl	172	6.353	6.353	-0.001	95	662638	1000.0	733.8	
$ 12 2,4,6-Tribromophenol	330	7.544	7.552	-0.006	75	123927	1000.0	865.4	
$ 13 Fluoranthene-d10 (Surr)	212	9.088	9.083	-0.001	0	957523	NC	NC	
$ 14 Terphenyl-d14	244	9.430	9.424	-0.001	97	818256	1000.0	1025.8	
15 1,4-Dioxane	88	2.336	2.328	0.005	1	1735	NC	NC	
16 N-Nitrosodimethylamine	74	2.411	2.411	0.000	80	71890	1000.0	528.1	
17 Pyridine	79	2.421	2.422	-0.001	85	210766	2000.0	888.4	
18 Aniline	93	4.206	4.201	0.000	98	280259	1000.0	662.4	
19 Phenol	94	4.227	4.222	0.000	72	112737	1000.0	331.9	
20 Bis(2-chloroethyl)ether	93	4.259	4.257	0.000	96	222563	1000.0	761.8	
21 2-Chlorophenol	128	4.302	4.300	0.000	87	358634	1000.0	875.9	
22 n-Decane	57	4.334	4.329	0.000	86	97460	1000.0	364.8	
23 1,3-Dichlorobenzene	146	4.409	4.409	0.000	94	227340	1000.0	466.3	
25 1,4-Dichlorobenzene	146	4.467	4.467	-0.001	97	245167	1000.0	463.2	
27 1,2-Dichlorobenzene	146	4.585	4.585	0.000	95	247609	1000.0	499.6	
26 Benzyl alcohol	79	4.580	4.580	-0.005	72	114188	1000.0	554.1	
29 2,2'-oxybis[1-chloropropane]	45	4.681	4.676	0.000	69	240641	1000.0	733.2	
28 2-Methylphenol	108	4.686	4.684	-0.001	96	226012	1000.0	796.1	
30 Acetophenone	105	4.777	4.777	-0.006	93	376514	1000.0	879.1	
31 N-Nitrosodi-n-propylamine	70	4.783	4.786	-0.005	77	132943	1000.0	788.7	
32 3 & 4 Methylphenol	108	4.815	4.815	0.000	98	212175	1000.0	718.9	
33 Hexachloroethane	117	4.847	4.845	0.000	90	72197	1000.0	376.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
34 Nitrobenzene	77	4.911	4.911	0.000	83	234933	1000.0	820.4	
35 Isophorone	82	5.103	5.109	-0.006	93	406180	1000.0	815.9	
36 2-Nitrophenol	139	5.167	5.167	-0.001	87	184796	1000.0	837.0	
37 2,4-Dimethylphenol	107	5.226	5.235	-0.006	93	264228	1000.0	785.7	
38 Bis(2-chloroethoxy)methane	93	5.290	5.290	0.000	97	258122	1000.0	826.5	
39 Benzoic acid	105	5.306	5.320	-0.011	73	57328	2000.0	535.2	a
40 2,4-Dichlorophenol	162	5.376	5.381	-0.005	88	277570	1000.0	819.7	
41 1,2,4-Trichlorobenzene	180	5.424	5.427	0.000	94	194968	1000.0	496.7	
42 Naphthalene	128	5.482	5.488	-0.006	96	882517	1000.0	683.7	
43 4-Chloroaniline	127	5.546	5.546	-0.001	79	314007	1000.0	706.8	
44 2,6-Dichlorophenol	162	5.546	5.556	-0.006	94	288142	1000.0	817.4	
45 Hexachlorobutadiene	225	5.589	5.589	-0.001	85	77554	1000.0	332.9	
46 4-Chloro-3-methylphenol	107	5.969	5.969	-0.001	88	210881	1000.0	806.3	
47 2-Methylnaphthalene	142	6.049	6.049	0.000	82	597428	1000.0	714.4	
48 1-Methylnaphthalene	142	6.129	6.132	0.000	88	565283	1000.0	711.7	
49 Hexachlorocyclopentadiene	237	6.172	6.182	-0.005	89	84552	1000.0	352.9	
50 1,2,4,5-Tetrachlorobenzene	216	6.182	6.185	-0.001	97	211329	1000.0	586.2	
52 2,4,6-Trichlorophenol	196	6.294	6.299	-0.001	85	168476	1000.0	779.7	
53 2,4,5-Trichlorophenol	196	6.337	6.342	-0.001	93	194971	1000.0	792.9	
54 1,1'-Biphenyl	154	6.433	6.437	-0.001	93	736733	1000.0	747.8	
55 2-Chloronaphthalene	162	6.444	6.449	0.000	95	551500	1000.0	712.7	
56 2-Nitroaniline	138	6.545	6.551	-0.001	91	189561	1000.0	884.5	
57 Dimethyl phthalate	163	6.695	6.695	0.000	99	782094	1000.0	979.5	
58 1,3-Dinitrobenzene	168	6.722	6.727	0.000	69	110015	1000.0	936.4	
59 2,6-Dinitrotoluene	165	6.743	6.743	-0.001	67	170984	1000.0	868.4	
60 Acenaphthylene	152	6.781	6.781	-0.001	94	970401	1000.0	845.7	
61 3-Nitroaniline	138	6.887	6.893	-0.001	84	143271	1000.0	767.9	
62 Acenaphthene	153	6.919	6.919	-0.001	92	628140	1000.0	790.4	
63 2,4-Dinitrophenol	184	6.973	6.984	0.000	80	157172	2000.0	1639.1	a
66 Dibenzofuran	168	7.064	7.066	0.000	87	881877	1000.0	872.8	
65 2,4-Dinitrotoluene	165	7.069	7.080	-0.006	69	228392	1000.0	904.5	
64 4-Nitrophenol	109	7.064	7.080	-0.016	39	4353	2000.0	818.0	
51 2,3,5,6-Tetrachlorophenol	232	7.144	7.149	0.000	86	134247	1000.0	782.6	
67 2,3,4,6-Tetrachlorophenol	232	7.181	7.187	-0.001	70	168791	1000.0	834.0	
68 Diethyl phthalate	149	7.272	7.272	0.000	97	846611	1000.0	961.7	
69 Fluorene	166	7.341	7.352	-0.006	83	734060	1000.0	912.9	
70 4-Chlorophenyl phenyl ether	204	7.352	7.363	-0.006	93	303420	1000.0	819.8	
71 4-Nitroaniline	138	7.384	7.384	-0.001	85	160115	1000.0	891.7	
72 4,6-Dinitro-2-methylphenol	198	7.400	7.403	-0.001	88	219594	2000.0	1750.3	
73 N-Nitrosodiphenylamine	169	7.454	7.459	-0.005	56	552932	1000.0	978.0	
74 Azobenzene	77	7.480	7.476	-0.001	92	495495	1000.0	844.2	
75 4-Bromophenyl phenyl ether	248	7.753	7.753	0.000	58	192857	1000.0	819.2	
76 Hexachlorobenzene	284	7.790	7.790	-0.001	85	226304	1000.0	822.2	
77 Atrazine	200	7.902	7.914	-0.006	91	418666	2000.0	1824.1	
78 Pentachlorophenol	266	7.966	7.966	-0.001	81	125489	2000.0	916.1	
79 n-Octadecane	57	8.047	8.047	-0.005	90	247434	1000.0	733.1	
80 Phenanthrene	178	8.127	8.122	0.000	97	1007017	1000.0	836.6	
81 Anthracene	178	8.169	8.164	-0.001	96	1058978	1000.0	849.2	
83 Carbazole	167	8.319	8.314	0.000	82	986129	1000.0	1036.7	
84 Di-n-butyl phthalate	149	8.613	8.613	-0.006	99	1422290	1000.0	942.0	
85 Fluoranthene	202	9.104	9.099	-0.001	95	1087590	1000.0	848.8	
88 Benzidine	184	9.238	9.232	0.000	97	306755	2000.0	1064.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
89 Pyrene	202	9.286	9.280	0.000	98	1096667	1000.0	832.1	
94 Butyl benzyl phthalate	149	9.842	9.847	-0.005	90	615696	1000.0	1013.6	
96 3,3'-Dichlorobenzidine	252	10.296	10.296	0.000	59	703580	2000.0	2069.0	
97 Benzo[a]anthracene	228	10.296	10.296	0.000	98	950326	1000.0	900.6	
99 Chrysene	228	10.328	10.328	-0.005	93	978796	1000.0	877.4	
98 Bis(2-ethylhexyl) phthalate	149	10.360	10.360	0.000	76	977781	1000.0	1246.1	
100 Di-n-octyl phthalate	149	11.017	11.017	-0.006	97	1391844	1000.0	1077.5	
101 Benzo[b]fluoranthene	252	11.391	11.391	-0.005	96	1000204	1000.0	925.9	
102 Benzofluoranthene	252	11.423	11.423	0.000	1	2027403	2000.0	1691.1	a
103 Benzo[k]fluoranthene	252	11.423	11.418	0.000	94	1076477	1000.0	821.9	
104 Benzo[a]pyrene	252	11.759	11.760	-0.006	74	890489	1000.0	896.5	
105 Indeno[1,2,3-cd]pyrene	276	13.127	13.130	-0.006	96	845590	1000.0	855.7	
106 Dibenz(a,h)anthracene	278	13.164	13.170	-0.006	1	886138	1000.0	833.8	
107 Benzo[g,h,i]perylene	276	13.453	13.453	-0.006	91	966446	1000.0	779.9	

QC Flag Legend

Processing Flags
NC - Not Calibrated
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

8270SIM_IS_00069 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 18-Mar-2022 18:08:09 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC051\20220317-81787.b\31722A12.D

Injection Date: 17-Mar-2022 14:22:30 Instrument ID: TAC051

Lims ID: LCSD 580-383995/3-A

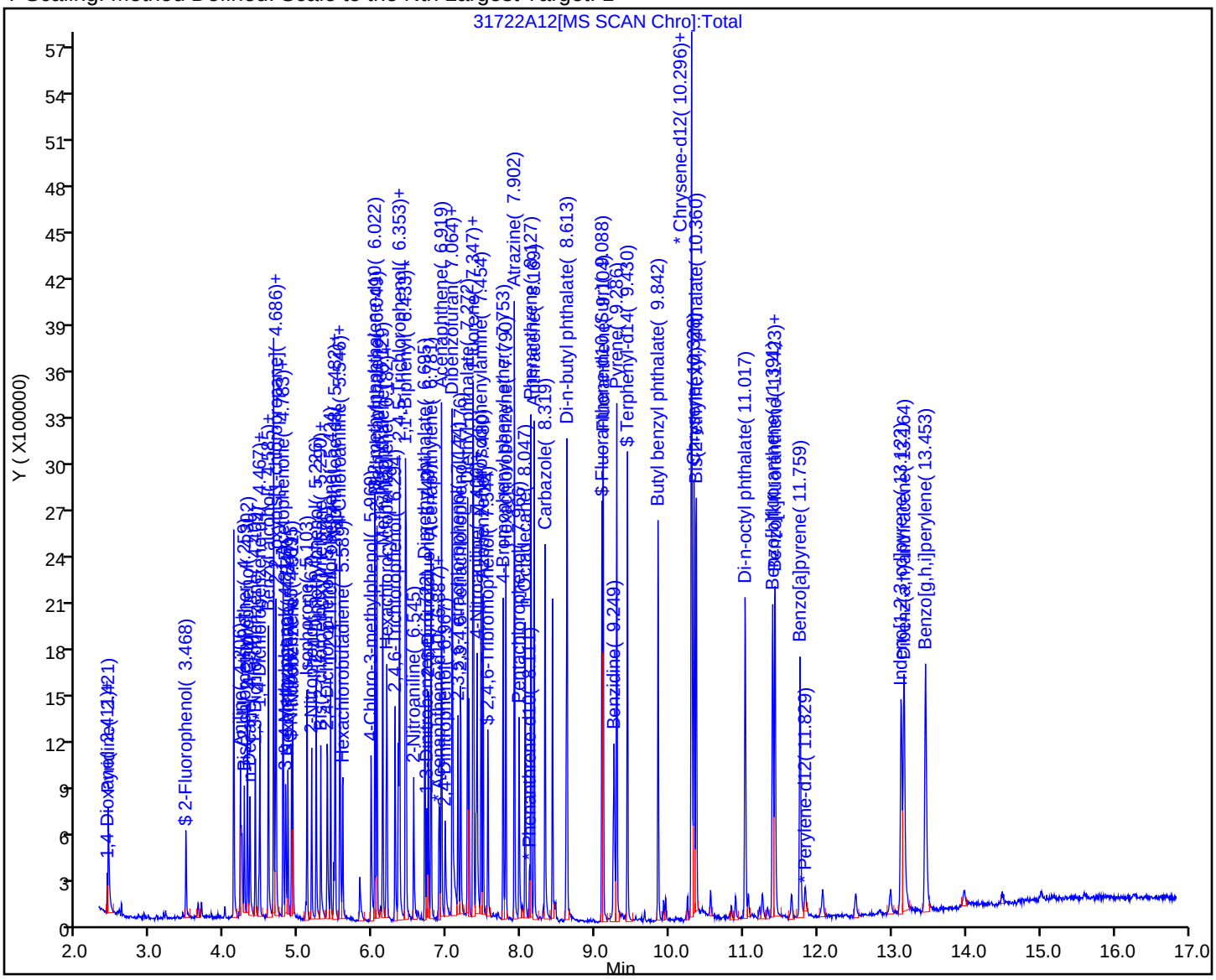
Client ID:

Operator ID: TL ALS Bottle#: 7 Worklist Smp#: 7

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle
Recovery Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220317-81787.b\31722A12.D
Lims ID: LCSD 580-383995/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 17-Mar-2022 14:22:30 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: lcsd 580-383995/3-a
Operator ID: TL Instrument ID: TAC051

Method: \\chromfs\Seattle\ChromData\TAC051\20220317-81787.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 18-Mar-2022 15:49:57 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1651

First Level Reviewer: limmere Date: 18-Mar-2022 18:08:08

Compound	Amount Added	Amount Recovered	% Rec.
$ 7 2-Fluorophenol	1000.0	513.7	51.37
$ 8 Phenol-d5	1000.0	407.6	40.76
$ 9 Nitrobenzene-d5	1000.0	768.8	76.88
$ 11 2-Fluorobiphenyl	1000.0	733.8	73.38
$ 12 2,4,6-Tribromophenol	1000.0	865.4	86.54
$ 14 Terphenyl-d14	1000.0	1025.8	102.58

Manual Integration/User Assign Peak Report

Eurofins Seattle

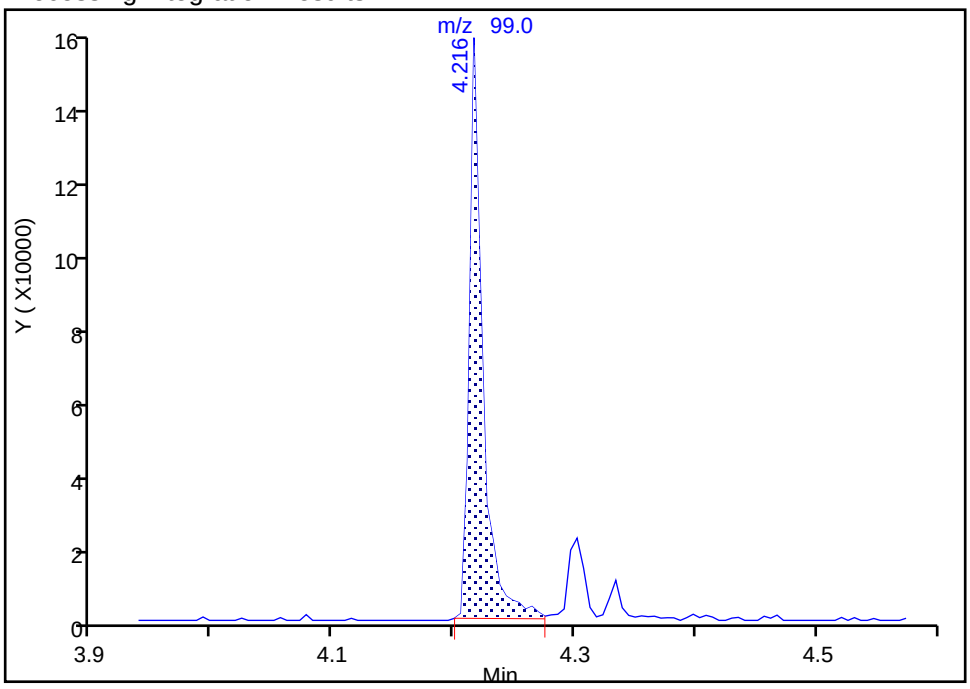
Data File: \\chromfs\Seattle\ChromData\TAC051\20220317-81787.b\31722A12.D
Injection Date: 17-Mar-2022 14:22:30 Instrument ID: TAC051
Lims ID: LCSD 580-383995/3-A
Client ID:
Operator ID: TL ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

$ 8 Phenol-d5, CAS: 4165-62-2

Signal: 1

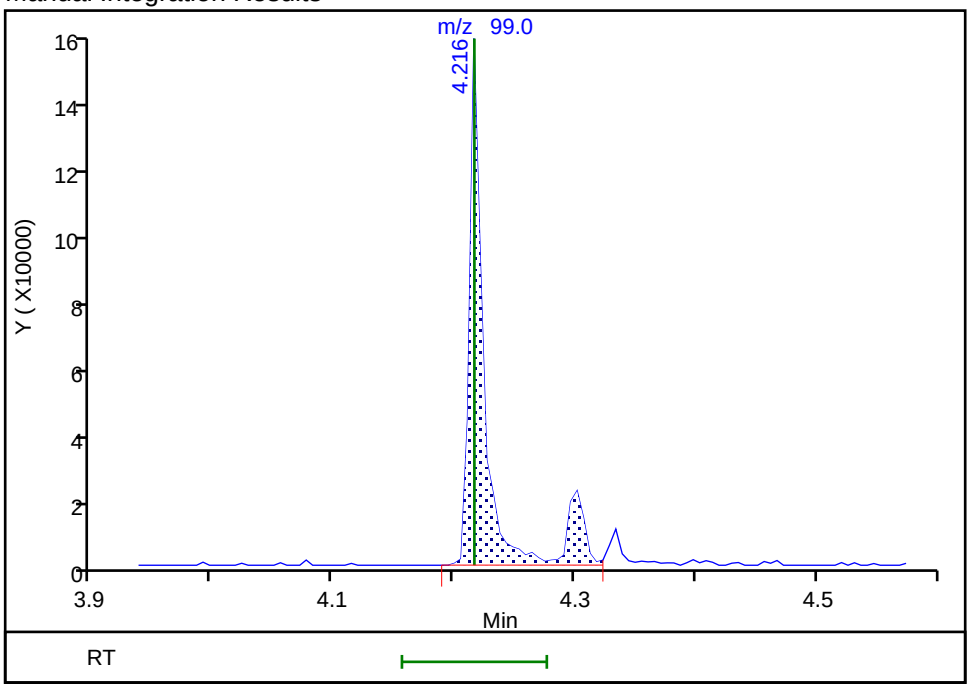
Processing Integration Results

RT: 4.22
Area: 118982
Amount: 340.4162
Amount Units: ug/L



Manual Integration Results

RT: 4.22
Area: 142359
Amount: 407.6044
Amount Units: ug/L



Reviewer: limmere, 17-Mar-2022 17:00:22
Audit Action: Manually Integrated Audit Reason: Baseline

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle | Job No.: 580-111294-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 580-383995/3-A RA

Matrix: Water | Lab File ID: 40Scan032222a008.D

Analysis Method: 8270E | Date Collected:

Extract. Method: 3510C | Date Extracted: 03/16/2022 09:47

Sample wt/vol: 1000(mL) | Date Analyzed: 03/22/2022 14:39

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 384624 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
51-28-5	2,4-Dinitrophenol	3.15	J M	5.0	3.2	1.6
534-52-1	4,6-Dinitro-2-methylphenol	3.10		2.0	1.2	0.55

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	81		43-140
321-60-8	2-Fluorobiphenyl	81		44-119
367-12-4	2-Fluorophenol (Surr)	53		19-119
4165-60-0	Nitrobenzene-d5 (Surr)	89		44-120
4165-62-2	Phenol-d5 (Surr)	37		10-120
1718-51-0	Terphenyl-d14	102		50-134

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC040\20220322-81863.b\40Scan032222a008.D
Lims ID: LCSD 580-383995/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 22-Mar-2022 14:39:30 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCSD 580-383995/3-A
Operator ID: jcm Instrument ID: TAC040

Method: \\chromfs\Seattle\ChromData\TAC040\20220322-81863.b\8270TAC040.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 22-Mar-2022 17:36:42 Calib Date: 21-Mar-2022 08:53:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC040\20220321-81841.b\40Scan032022x015.D

Column 1 : Det: MS SCAN
Process Host: CTX1668

First Level Reviewer: boylea Date: 22-Mar-2022 17:36:42

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.689	4.689	0.000	95	16702	100.0	100.0	
* 2 Naphthalene-d8	136	5.719	5.719	0.000	98	62050	100.0	100.0	
* 3 Acenaphthene-d10	164	7.154	7.154	0.000	63	30261	100.0	100.0	
* 4 Phenanthrene-d10	188	8.371	8.371	0.000	97	54538	100.0	100.0	
* 5 Chrysene-d12	240	10.571	10.577	-0.006	55	46856	100.0	100.0	
* 6 Perylene-d12	264	12.089	12.089	0.000	94	49203	100.0	100.0	
$ 7 2-Fluorophenol	112	3.638	3.633	0.005	93	117568	1000.0	530.6	
$ 8 Phenol-d5	99	4.413	4.413	0.000	0	99496	1000.0	371.9	
$ 9 Nitrobenzene-d5	82	5.136	5.136	0.000	95	224284	1000.0	890.9	
$ 10 2-Fluorobiphenyl	172	6.613	6.613	0.000	98	325711	1000.0	809.7	
$ 11 2,4,6-Tribromophenol	330	7.807	7.807	0.000	90	76668	1000.0	805.6	
$ 12 Terphenyl-d14	244	9.689	9.695	-0.006	95	440326	1000.0	1019.6	
15 N-Nitrosodimethylamine	74	2.477	2.477	0.000	86	96485	1000.0	642.8	
16 Pyridine	79	2.493	2.493	0.000	90	271273	2000.0	1098.5	
17 Aniline	93	4.425	4.425	0.000	81	261541	1000.0	769.0	
18 Phenol	94	4.425	4.425	0.000	68	127164	1000.0	419.2	
19 Bis(2-chloroethyl)ether	93	4.489	4.489	0.000	88	181336	1000.0	830.3	
20 2-Chlorophenol	128	4.519	4.519	0.000	97	183951	1000.0	810.4	
21 n-Decane	57	4.572	4.572	0.000	93	135132	1000.0	471.4	
22 1,3-Dichlorobenzene	146	4.642	4.636	0.006	96	120568	1000.0	473.8	
23 1,4-Dichlorobenzene	146	4.701	4.701	0.000	89	130645	1000.0	498.8	
27 Benzyl alcohol	79	4.813	4.813	0.000	85	86022	1000.0	519.7	
24 1,2-Dichlorobenzene	146	4.819	4.819	0.000	90	133986	1000.0	542.0	
28 2-Methylphenol	108	4.913	4.913	0.000	70	160459	1000.0	761.7	
25 2,2'-oxybis[1-chloropropane]	45	4.925	4.925	0.001	80	368430	1000.0	895.4	
29 Acetophenone	105	5.019	5.019	0.000	87	271396	1000.0	880.2	
30 N-Nitrosodi-n-propylamine	70	5.025	5.025	0.001	91	166561	1000.0	844.7	
32 3 & 4 Methylphenol	108	5.036	5.042	-0.006	0	140709	1000.0	674.3	
31 Hexachloroethane	117	5.095	5.095	0.000	90	45247	1000.0	390.7	
33 Nitrobenzene	77	5.154	5.154	0.000	93	230583	1000.0	855.1	
34 Isophorone	82	5.354	5.354	0.000	98	410136	1000.0	919.0	
35 2-Nitrophenol	139	5.413	5.413	0.000	92	90258	1000.0	874.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
37 2,4-Dimethylphenol	107	5.466	5.466	0.000	97	176989	1000.0	833.3	
36 Benzoic acid	105	5.519	5.519	-0.011	23	18020	2000.0	381.1	Ma
38 Bis(2-chloroethoxy)methane	93	5.542	5.542	0.000	94	239745	1000.0	888.8	
39 2,4-Dichlorophenol	162	5.613	5.619	-0.006	93	135076	1000.0	890.1	
40 1,2,4-Trichlorobenzene	180	5.678	5.677	0.001	92	108434	1000.0	555.2	
41 Naphthalene	128	5.736	5.736	0.000	98	473755	1000.0	751.3	
43 4-Chloroaniline	127	5.795	5.795	0.000	67	146456	1000.0	727.0	
42 2,6-Dichlorophenol	162	5.795	5.795	0.000	85	142078	1000.0	962.3	
44 Hexachlorobutadiene	225	5.842	5.842	0.000	93	42332	1000.0	371.7	
45 4-Chloro-3-methylphenol	107	6.207	6.207	0.000	91	140171	1000.0	884.3	
46 2-Methylnaphthalene	142	6.307	6.307	0.000	83	294211	1000.0	753.3	
47 1-Methylnaphthalene	142	6.383	6.383	0.000	90	287364	1000.0	757.7	
48 Hexachlorocyclopentadiene	237	6.436	6.436	0.000	73	49701	1000.0	468.0	
49 1,2,4,5-Tetrachlorobenzene	216	6.442	6.442	0.000	96	119504	1000.0	638.5	
50 2,4,6-Trichlorophenol	196	6.542	6.542	0.000	95	85319	1000.0	819.9	
51 2,4,5-Trichlorophenol	196	6.577	6.577	0.000	93	113266	1000.0	957.3	M
52 1,1'-Biphenyl	154	6.689	6.689	0.000	97	367688	1000.0	848.4	
53 2-Chloronaphthalene	162	6.701	6.701	0.000	97	281593	1000.0	797.1	
54 2-Nitroaniline	138	6.795	6.795	0.000	78	107887	1000.0	962.1	
55 Dimethyl phthalate	163	6.954	6.954	0.000	96	360359	1000.0	971.4	
56 1,3-Dinitrobenzene	168	6.972	6.971	0.001	60	43440	1000.0	827.8	
57 2,6-Dinitrotoluene	165	6.995	7.001	-0.006	64	78527	1000.0	936.1	
58 Acenaphthylene	152	7.036	7.042	-0.006	93	491990	1000.0	883.3	
59 3-Nitroaniline	138	7.136	7.136	0.000	90	76054	1000.0	996.8	
60 Acenaphthene	153	7.183	7.183	0.000	98	327509	1000.0	879.3	
69 2,4-Dinitrophenol	184	7.219	7.219	0.001	60	42286	2000.0	1573.6	a
63 4-Nitrophenol	109	7.307	7.307	0.000	92	25324	2000.0	800.8	a
61 Dibenzofuran	168	7.325	7.324	0.000	88	440441	1000.0	924.6	
62 2,4-Dinitrotoluene	165	7.325	7.324	0.000	65	101981	1000.0	957.3	
64 2,3,5,6-Tetrachlorophenol	232	7.395	7.401	-0.006	87	61418	1000.0	734.6	
65 2,3,4,6-Tetrachlorophenol	232	7.430	7.436	-0.006	77	84688	1000.0	906.0	
66 Diethyl phthalate	149	7.530	7.536	-0.006	94	396132	1000.0	996.6	
67 Fluorene	166	7.607	7.607	0.000	80	352159	1000.0	922.2	
68 4-Chlorophenyl phenyl ether	204	7.613	7.618	-0.005	90	155926	1000.0	916.9	
70 4-Nitroaniline	138	7.636	7.636	0.000	36	86057	1000.0	1193.2	
73 4,6-Dinitro-2-methylphenol	198	7.654	7.654	0.000	66	75161	2000.0	1551.6	
71 N-Nitrosodiphenylamine	169	7.713	7.713	0.000	64	248210	1000.0	866.0	
72 Azobenzene	77	7.742	7.742	0.000	93	497230	1000.0	907.7	
74 4-Bromophenyl phenyl ether	248	8.013	8.018	-0.005	72	113628	1000.0	873.2	
75 Hexachlorobenzene	284	8.048	8.054	-0.006	89	149771	1000.0	815.3	
76 Atrazine	200	8.166	8.165	0.001	85	177051	2000.0	1923.3	
77 Pentachlorophenol	266	8.224	8.224	0.000	92	52524	2000.0	830.9	
78 n-Octadecane	43	8.313	8.313	0.000	89	277610	1000.0	924.4	
79 Phenanthrene	178	8.389	8.389	0.000	98	517286	1000.0	870.1	
80 Anthracene	178	8.430	8.430	0.000	98	511620	1000.0	847.5	
81 Carbazole	167	8.571	8.577	-0.006	82	491969	1000.0	1124.1	
83 Di-n-butyl phthalate	149	8.877	8.877	0.000	99	717455	1000.0	967.2	
84 Fluoranthene	202	9.366	9.365	0.001	99	562178	1000.0	903.1	
85 Benzidine	184	9.495	9.495	0.000	97	138602	2000.0	1751.3	
86 Pyrene	202	9.548	9.548	0.000	95	591201	1000.0	898.8	
87 Butyl benzyl phthalate	149	10.107	10.107	0.000	96	291298	1000.0	1033.5	
91 3,3'-Dichlorobenzidine	252	10.560	10.559	0.001	69	386778	2000.0	2371.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
89 Benzo[a]anthracene	228	10.565	10.565	0.000	99	512670	1000.0	940.5	
90 Chrysene	228	10.601	10.595	0.000	93	536574	1000.0	936.1	
92 Bis(2-ethylhexyl) phthalate	149	10.630	10.630	0.000	81	475651	1000.0	1217.0	
93 Di-n-octyl phthalate	149	11.295	11.295	0.000	99	647384	1000.0	1029.9	
94 Benzo[b]fluoranthene	252	11.660	11.659	0.001	95	491494	1000.0	971.7	
95 Benzofluoranthene	252	11.689	11.689	0.000	0	1126541	2000.0	1989.0	
96 Benzo[k]fluoranthene	252	11.689	11.689	0.000	89	664412	1000.0	1052.4	
97 Benzo[a]pyrene	252	12.024	12.024	0.000	78	475015	1000.0	1005.8	
98 Indeno[1,2,3-cd]pyrene	276	13.342	13.342	0.000	92	438440	1000.0	999.2	
99 Dibenz(a,h)anthracene	278	13.377	13.377	0.000	78	511093	1000.0	938.6	
100 Benzo[g,h,i]perylene	276	13.654	13.653	0.001	92	581847	1000.0	1046.7	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MeCl2_CT_00216	Amount Added: 1.00	Units: mL	Run Reagent
8270SIM_IS_00069	Amount Added: 10.00	Units: uL	Run Reagent

Report Date: 22-Mar-2022 17:36:42 Chrom Revision: 2.3 18-Mar-2022 09:07:22

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220322-81863.b\40Scan032222a008.D

Injection Date: 22-Mar-2022 14:39:30 Instrument ID: TAC040

Lims ID: LCSD 580-383995/3-A

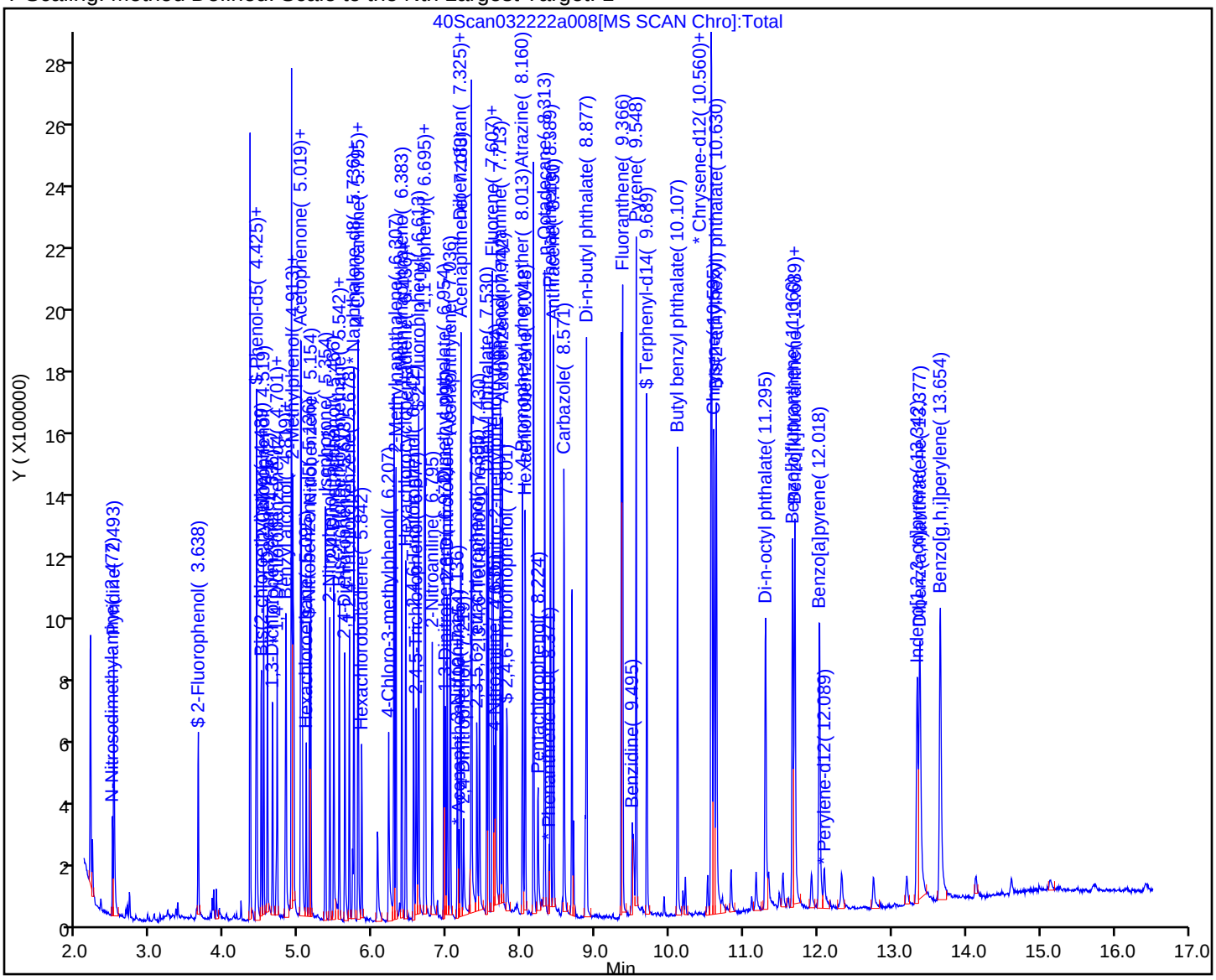
Client ID:

Operator ID: jcm ALS Bottle#: 7 Worklist Smp#: 7

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle
Recovery Report

Data File: \\chromfs\Seattle\ChromData\TAC040\20220322-81863.b\40Scan032222a008.D
Lims ID: LCSD 580-383995/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 22-Mar-2022 14:39:30 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCSD 580-383995/3-A
Operator ID: jcm Instrument ID: TAC040

Method: \\chromfs\Seattle\ChromData\TAC040\20220322-81863.b\8270TAC040.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 22-Mar-2022 17:36:42 Calib Date: 21-Mar-2022 08:53:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC040\20220321-81841.b\40Scan032022x015.D

Column 1 : Det: MS SCAN
Process Host: CTX1668

First Level Reviewer: boylea Date: 22-Mar-2022 17:36:42

Compound	Amount Added	Amount Recovered	% Rec.
$ 7 2-Fluorophenol	1000.0	530.6	53.06
$ 8 Phenol-d5	1000.0	371.9	37.19
$ 9 Nitrobenzene-d5	1000.0	890.9	89.09
$ 10 2-Fluorobiphenyl	1000.0	809.7	80.97
$ 11 2,4,6-Tribromophenol	1000.0	805.6	80.56
$ 12 Terphenyl-d14	1000.0	1019.6	101.96

Manual Integration/User Assign Peak Report

Eurofins Seattle

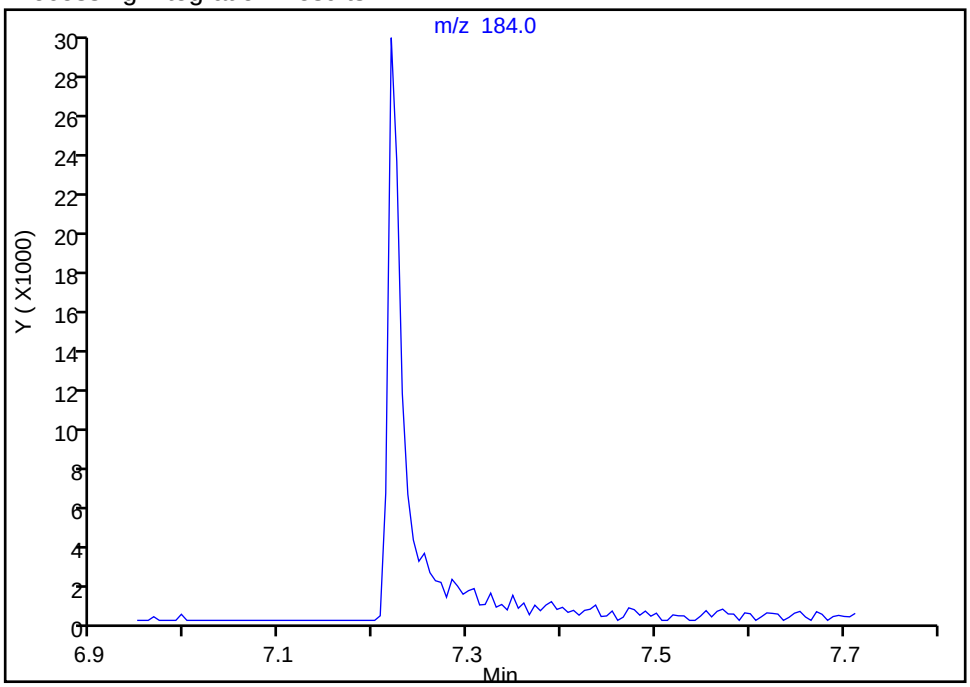
Data File: \\chromfs\Seattle\ChromData\TAC040\20220322-81863.b\40Scan032222a008.D
Injection Date: 22-Mar-2022 14:39:30 Instrument ID: TAC040
Lims ID: LCSD 580-383995/3-A
Client ID:
Operator ID: jcm ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

69 2,4-Dinitrophenol, CAS: 51-28-5

Signal: 1

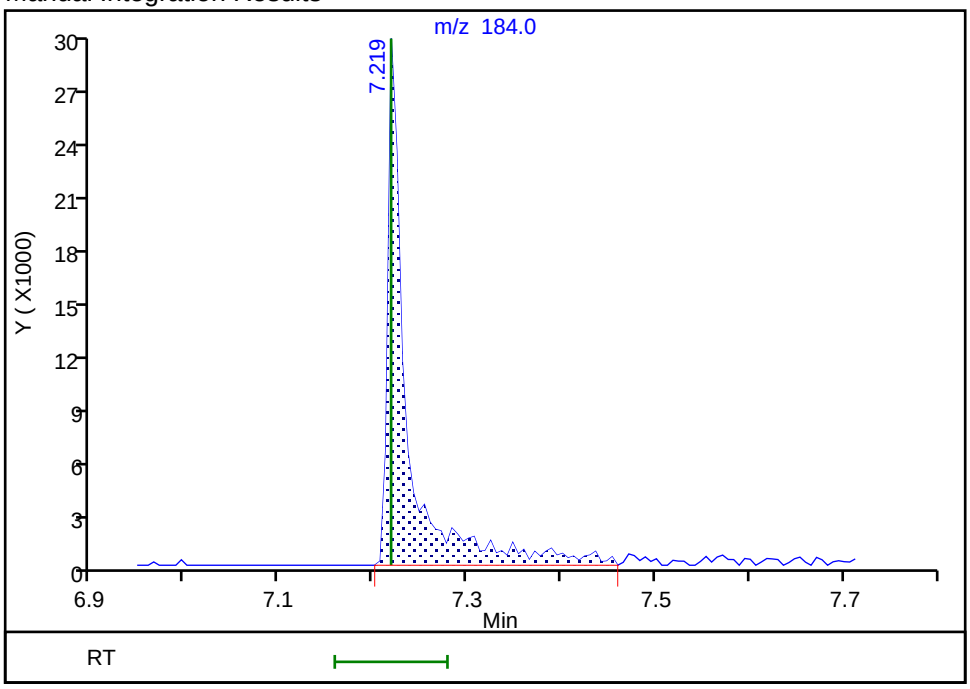
Not Detected
Expected RT: 7.22

Processing Integration Results



Manual Integration Results

RT: 7.22
Area: 42286
Amount: 1573.5955
Amount Units: ug/L



Reviewer: boylea, 22-Mar-2022 17:36:13
Audit Action: Assigned Compound ID Audit Reason: Peak Tail

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Instrument ID: TAC051 Start Date: 01/24/2022 16:16

Analysis Batch Number: 379142 End Date: 01/24/2022 21:17

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 580-379142/2		01/24/2022 16:16	1	0124A08_.D	ZB-SV 0.25(mm)
STD10 580-379142/4 IC		01/24/2022 17:04	1	0124A10_.D	ZB-SV 0.25(mm)
STD9 580-379142/5 IC		01/24/2022 17:28	1	0124A11_.D	ZB-SV 0.25(mm)
STD8 580-379142/6 IC		01/24/2022 17:51	1	0124A12_.D	ZB-SV 0.25(mm)
STD7IS 580-379142/7 ICIS		01/24/2022 18:14	1	0124A13_.D	ZB-SV 0.25(mm)
STD6 580-379142/8 IC		01/24/2022 18:37	1	0124A14_.D	ZB-SV 0.25(mm)
STD5 580-379142/9 IC		01/24/2022 19:00	1	0124A15_.D	ZB-SV 0.25(mm)
STD4 580-379142/10 IC		01/24/2022 19:23	1	0124A16_.D	ZB-SV 0.25(mm)
STD3 580-379142/11 IC		01/24/2022 19:45	1	0124A17_.D	ZB-SV 0.25(mm)
STD2 580-379142/12 IC		01/24/2022 20:08	1	0124A18_.D	ZB-SV 0.25(mm)
STD1 580-379142/13 IC		01/24/2022 20:31	1	0124A19_.D	ZB-SV 0.25(mm)
ICB 580-379142/14		01/24/2022 20:54	1		ZB-SV 0.25(mm)
ICV 580-379142/15		01/24/2022 21:17	1	0124A21_.D	ZB-SV 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Instrument ID: TAC051 Start Date: 03/17/2022 12:03

Analysis Batch Number: 384146 End Date: 03/17/2022 21:21

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 580-384146/2		03/17/2022 12:03	1	31722A06.D	ZB-SV 0.25(mm)
CCVIS 580-384146/3		03/17/2022 12:48	1	31722A08.D	ZB-SV 0.25(mm)
MB 580-383995/1-A		03/17/2022 13:35	1	31722A10.D	ZB-SV 0.25(mm)
LCS 580-383995/2-A		03/17/2022 13:58	1	31722A11.D	ZB-SV 0.25(mm)
LCSD 580-383995/3-A		03/17/2022 14:22	1	31722A12.D	ZB-SV 0.25(mm)
ZZZZZ		03/17/2022 15:32	1		ZB-SV 0.25(mm)
ZZZZZ		03/17/2022 15:56	1		ZB-SV 0.25(mm)
ZZZZZ		03/17/2022 16:19	1		ZB-SV 0.25(mm)
ZZZZZ		03/17/2022 16:42	1		ZB-SV 0.25(mm)
ZZZZZ		03/17/2022 17:06	1		ZB-SV 0.25(mm)
ZZZZZ		03/17/2022 17:29	1		ZB-SV 0.25(mm)
ZZZZZ		03/17/2022 17:53	1		ZB-SV 0.25(mm)
ZZZZZ		03/17/2022 18:16	1		ZB-SV 0.25(mm)
ZZZZZ		03/17/2022 18:39	1		ZB-SV 0.25(mm)
ZZZZZ		03/17/2022 19:02	1		ZB-SV 0.25(mm)
ZZZZZ		03/17/2022 19:49	1		ZB-SV 0.25(mm)
ZZZZZ		03/17/2022 20:12	1		ZB-SV 0.25(mm)
ZZZZZ		03/17/2022 20:35	1		ZB-SV 0.25(mm)
CCVC 580-384146/21		03/17/2022 21:21	1	31722A30.D	ZB-SV 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Instrument ID: TAC040 Start Date: 03/21/2022 03:45

Analysis Batch Number: 384491 End Date: 03/21/2022 09:16

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 580-384491/2		03/21/2022 03:45	1		ZB-SV 0.25(mm)
STD10 580-384491/4 IC		03/21/2022 05:25	1		ZB-SV 0.25(mm)
STD9 580-384491/5 IC		03/21/2022 05:48	1		ZB-SV 0.25(mm)
STD8 580-384491/6 IC		03/21/2022 06:11	1		ZB-SV 0.25(mm)
STD7IS 580-384491/7 ICIS		03/21/2022 06:34	1		ZB-SV 0.25(mm)
STD6 580-384491/8 IC		03/21/2022 06:57	1		ZB-SV 0.25(mm)
STD5 580-384491/9 IC		03/21/2022 07:20	1		ZB-SV 0.25(mm)
STD4 580-384491/10 IC		03/21/2022 07:43	1		ZB-SV 0.25(mm)
STD3 580-384491/11 IC		03/21/2022 08:06	1		ZB-SV 0.25(mm)
STD2 580-384491/12 IC		03/21/2022 08:29	1		ZB-SV 0.25(mm)
STD1 580-384491/13 IC		03/21/2022 08:53	1		ZB-SV 0.25(mm)
ICV 580-384491/15		03/21/2022 09:16	1	40Scan032022x016.D	ZB-SV 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Instrument ID: TAC040 Start Date: 03/22/2022 12:06

Analysis Batch Number: 384624 End Date: 03/22/2022 23:41

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 580-384624/2		03/22/2022 12:06	1	40Scan032222a003.D	ZB-SV 0.25(mm)
CCVIS 580-384624/3		03/22/2022 12:55	1	40Scan032222a004.D	ZB-SV 0.25(mm)
MB 580-383995/1-A RA		03/22/2022 13:51	1	40Scan032222a006.D	ZB-SV 0.25(mm)
LCS 580-383995/2-A RA		03/22/2022 14:15	1	40Scan032222a007.D	ZB-SV 0.25(mm)
LCSD 580-383995/3-A RA		03/22/2022 14:39	1	40Scan032222a008.D	ZB-SV 0.25(mm)
ZZZZZ		03/22/2022 15:02	1		ZB-SV 0.25(mm)
ZZZZZ		03/22/2022 15:26	1		ZB-SV 0.25(mm)
ZZZZZ		03/22/2022 15:50	1		ZB-SV 0.25(mm)
ZZZZZ		03/22/2022 16:14	1		ZB-SV 0.25(mm)
ZZZZZ		03/22/2022 16:37	1		ZB-SV 0.25(mm)
ZZZZZ		03/22/2022 17:01	1		ZB-SV 0.25(mm)
ZZZZZ		03/22/2022 17:25	1		ZB-SV 0.25(mm)
CCVC 580-384624/15		03/22/2022 17:48	1		ZB-SV 0.25(mm)
ZZZZZ		03/22/2022 18:12	1		ZB-SV 0.25(mm)
ZZZZZ		03/22/2022 18:36	1		ZB-SV 0.25(mm)
ZZZZZ		03/22/2022 19:00	1		ZB-SV 0.25(mm)
ZZZZZ		03/22/2022 19:47	1		ZB-SV 0.25(mm)
ZZZZZ		03/22/2022 20:11	1		ZB-SV 0.25(mm)
ZZZZZ		03/22/2022 20:34	1		ZB-SV 0.25(mm)
CCVC 580-384624/30		03/22/2022 23:41	1	40Scan032222a031.D	ZB-SV 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Instrument ID: TAC051 Start Date: 03/22/2022 11:08

Analysis Batch Number: 384725 End Date: 03/22/2022 20:44

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 580-384725/2		03/22/2022 11:08	1	32222A03.D	ZB-SV 0.25(mm)
CCVIS 580-384725/3		03/22/2022 11:45	1	32222A04.D	ZB-SV 0.25(mm)
580-111294-1	ERH2692 (OWDFMW01)	03/22/2022 17:10	1	32222Z15.D	ZB-SV 0.25(mm)
580-111294-2	ERH2772 (Equipment Blank)	03/22/2022 17:34	1	32222A16.D	ZB-SV 0.25(mm)
580-111294-3	ERH2743 (RHMW13-5)	03/22/2022 17:58	1	32222A17.D	ZB-SV 0.25(mm)
580-111294-4	ERH2744 (RHMW13-5)	03/22/2022 18:22	1	32222A18.D	ZB-SV 0.25(mm)
580-111294-5	ERH2745 (RHMW13-5)	03/22/2022 18:45	1	32222A19.D	ZB-SV 0.25(mm)
CCVC 580-384725/18		03/22/2022 20:44	1	32222A24.D	ZB-SV 0.25(mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Batch Number: 383995 Batch Start Date: 03/16/22 09:47 Batch Analyst: Lanin, Aleksey S

Batch Method: 3510C Batch End Date: 03/16/22 19:58

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ReceivedpH	FirstAdjustpH	SecondAdjustpH	8270flspk 00296
MB 580-383995/1		3510C, 8270E		1000 mL	2 mL	7 SU	2 SU	11 SU	
LCS 580-383995/2		3510C, 8270E		1000 mL	2 mL	7 SU	2 SU	11 SU	100 uL
LCSD 580-383995/3		3510C, 8270E		1000 mL	2 mL	7 SU	2 SU	11 SU	100 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	8270waterSurr 00119					
MB 580-383995/1		3510C, 8270E		100 uL					
LCS 580-383995/2		3510C, 8270E		100 uL					
LCSD 580-383995/3		3510C, 8270E		100 uL					

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Batch Number: 383995 Batch Start Date: 03/16/22 09:47 Batch Analyst: Lanin, Aleksey S

Batch Method: 3510C Batch End Date: 03/16/22 19:58

Batch Notes	
Method/Fraction	3510C / 8270E_SIM / 8270
Balance ID	SEA225
pH Indicator ID	6007005 / 6911002
Pipette/Syringe/Dispenser ID	MP5
Analyst ID - Extraction	AL
Reagent Water ID	DI
Analyst ID - Spike Analyst	Al
Analyst ID - Spike Witness Analyst	TA
Sufficient Volume for Batch QC	no
Acid Used for pH Adjustment ID	3020736
Base Used to Adjust pH ID	3090399
Prep Solvent ID	3076033
Prep Solvent Volume Used	180 / 360 mL
Filter ID	3048946
Na2SO4 ID	3058747
Analyst ID - Concentration	JCM
Equipment ID - Concentration 1	Steambath 1
Thermometer ID - Concentration 1	61013-040-1
Concentration 1 Uncorrected Temperature	70.0-75.0 Degrees C
Concentration 1 Corrected Temperature	69.4-74.4 Degrees C
Equipment ID - Concentration 2	Turbovap5
Thermometer ID - Concentration 2	DIGITALREADOUT
Concentration 2 Uncorrected Temperature	22.0 Degrees C
Concentration 2 Corrected Temperature	20.0 Degrees C
Vial Lot Number	24165097
Batch Comment	Vialed by: JCM/MAE

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Batch Number: 384177 Batch Start Date: 03/17/22 11:33 Batch Analyst: Lanin, Aleksey S

Batch Method: 3510C Batch End Date: 03/17/22 19:45

Lab Sample ID	Client Sample ID	Method Chain	Basis	GrossWeight	TareWeight	InitialAmount	FinalAmount	ReceivedpH	FirstAdjustpH
580-111294-A-1	ERH2692 (OWDFMW01)	3510C, 8270E	T	01436.31 g	00465.78 g	970.5 mL	2 mL	7 SU	2 SU
580-111294-B-2	ERH2772 (Equipment Blank)	3510C, 8270E	T	01563.15 g	00514.96 g	1048.2 mL	2 mL	7 SU	2 SU
580-111294-B-3	ERH2743 (RHMW13-5)	3510C, 8270E	T	01464.39 g	00470.45 g	993.9 mL	2 mL	7 SU	2 SU
580-111294-B-4	ERH2744 (RHMW13-5)	3510C, 8270E	T	01557.87 g	00514.41 g	1043.5 mL	2 mL	7 SU	2 SU
580-111294-B-5	ERH2745 (RHMW13-5)	3510C, 8270E	T	01567.27 g	00519.69 g	1047.6 mL	2 mL	7 SU	2 SU

Lab Sample ID	Client Sample ID	Method Chain	Basis	SecondAdjustpH	8270waterSurr 00119				
580-111294-A-1	ERH2692 (OWDFMW01)	3510C, 8270E	T	11 SU	100 uL				
580-111294-B-2	ERH2772 (Equipment Blank)	3510C, 8270E	T	11 SU	100 uL				
580-111294-B-3	ERH2743 (RHMW13-5)	3510C, 8270E	T	11 SU	100 uL				
580-111294-B-4	ERH2744 (RHMW13-5)	3510C, 8270E	T	11 SU	100 uL				
580-111294-B-5	ERH2745 (RHMW13-5)	3510C, 8270E	T	11 SU	100 uL				

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Batch Number: 384177 Batch Start Date: 03/17/22 11:33 Batch Analyst: Lanin, Aleksey S

Batch Method: 3510C Batch End Date: 03/17/22 19:45

Batch Notes	
Method/Fraction	3510C / 8270E_SIM / 8270/625.1
Balance ID	SEA225
pH Indicator ID	6007005 / 6911002
Pipette/Syringe/Dispenser ID	MP5
Analyst ID - Extraction	MAE/AL/KW
Reagent Water ID	DI
Analyst ID - Spike Analyst	AL/KW
Analyst ID - Spike Witness Analyst	MAE
Sufficient Volume for Batch QC	yes
Acid Used for pH Adjustment ID	3020736
Base Used to Adjust pH ID	3090399
Prep Solvent ID	3076033
Prep Solvent Volume Used	180 / 360 mL
Filter ID	3048946
Na2SO4 ID	3058747
Analyst ID - Concentration	MAE/KW
Equipment ID - Concentration 1	Steambath 1
Thermometer ID - Concentration 1	61013-040-1
Concentration 1 Uncorrected Temperature	70.0-75.0 Degrees C
Concentration 1 Corrected Temperature	69.4-74.4 Degrees C
Equipment ID - Concentration 2	Turbovap5
Thermometer ID - Concentration 2	DIGITALREADOUT
Concentration 2 Uncorrected Temperature	30.0 Degrees C
Concentration 2 Corrected Temperature	28.1 Degrees C
Vial Lot Number	24165097
Batch Comment	Vialed by: MAE/KW

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

8270E_SIM_DOD5

Semivolatile Organic Compounds (GC/MS SIM)

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): ZB-SV ID: 0.25(mm)

Client Sample ID	Lab Sample ID	2MN #	FLN10 #	TPHL #
ERH2692 (OWDFMW01)	580-111294-1	63	82	90
ERH2772 (Equipment Blank)	580-111294-2	51	72	88
ERH2743 (RHMW13-5)	580-111294-3	58	79	87
ERH2744 (RHMW13-5)	580-111294-4	52	76	87
ERH2745 (RHMW13-5)	580-111294-5	57	74	87
	MB 580-384177/1-A	61	76	93
	LCS 580-384177/2-A	61	78	87
	LCSD 580-384177/3-A	57	75	86

	QC LIMITS
2MN = 2-methylnaphthalene-d10	40-140
FLN10 = Fluoranthene-d10 (Surr)	40-140
TPHL = Terphenyl-d14	58-132

Column to be used to flag recovery values

FORM II 8270E SIM

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Matrix: Water Level: Low Lab File ID: SIM031822a006.D

Lab ID: LCS 580-384177/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1-Methylnaphthalene	2.00	1.28	64	41-115	
2-Methylnaphthalene	2.00	1.24	62	39-114	
Acenaphthene	2.00	1.32	66	48-114	
Acenaphthylene	2.00	1.25	62	35-121	
Anthracene	2.00	1.45	73	53-119	
Benzo[a]anthracene	2.00	1.67	83	59-120	
Benzo[a]pyrene	2.00	1.55	78	53-120	
Benzo[b]fluoranthene	2.00	1.65	82	53-126	
Benzo[g,h,i]perylene	2.00	1.82	91	44-128	
Benzo[k]fluoranthene	2.00	1.75	87	54-125	
Chrysene	2.00	1.58	79	57-120	
Dibenz(a,h)anthracene	2.00	1.83	91	44-131	M
Fluoranthene	2.00	1.60	80	58-120	
Fluorene	2.00	1.38	69	50-118	
Indeno[1,2,3-cd]pyrene	2.00	1.77	88	48-130	M
Naphthalene	2.00	1.27	64	43-114	
Phenanthrene	2.00	1.46	73	53-115	
Pyrene	2.00	1.60	80	53-121	

Column to be used to flag recovery and RPD values

FORM III 8270E SIM

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Matrix: Water Level: Low Lab File ID: SIM031822a007.D

Lab ID: LCSD 580-384177/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1-Methylnaphthalene	2.00	1.13	57	13	20	41-115	
2-Methylnaphthalene	2.00	1.10	55	12	20	39-114	
Acenaphthene	2.00	1.22	61	9	20	48-114	
Acenaphthylene	2.00	1.14	57	9	20	35-121	
Anthracene	2.00	1.36	68	7	20	53-119	
Benzo[a]anthracene	2.00	1.58	79	5	20	59-120	
Benzo[a]pyrene	2.00	1.53	77	1	20	53-120	
Benzo[b]fluoranthene	2.00	1.65	82	0	20	53-126	
Benzo[g,h,i]perylene	2.00	1.78	89	2	20	44-128	
Benzo[k]fluoranthene	2.00	1.68	84	4	20	54-125	
Chrysene	2.00	1.42	71	11	20	57-120	
Dibenz(a,h)anthracene	2.00	1.77	89	3	20	44-131	M
Fluoranthene	2.00	1.52	76	5	20	58-120	
Fluorene	2.00	1.27	63	9	20	50-118	
Indeno[1,2,3-cd]pyrene	2.00	1.77	89	0	20	48-130	M
Naphthalene	2.00	1.15	57	11	20	43-114	
Phenanthrene	2.00	1.35	68	7	20	53-115	
Pyrene	2.00	1.52	76	5	20	53-121	

Column to be used to flag recovery and RPD values

FORM III 8270E SIM

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Lab File ID: SIM031822a005.D Lab Sample ID: MB 580-384177/1-A

Matrix: Water Date Extracted: 03/17/2022 11:35

Instrument ID: TAC050 Date Analyzed: 03/18/2022 13:02

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 580-384177/2-A	SIM031822a006.D	03/18/2022 13:21
	LCSD 580-384177/3-A	SIM031822a007.D	03/18/2022 13:40
ERH2692 (OWDFMW01)	580-111294-1	SIM031822a008.D	03/18/2022 13:59
ERH2772 (Equipment Blank)	580-111294-2	SIM031822a009.D	03/18/2022 14:18
ERH2743 (RHMW13-5)	580-111294-3	SIM031822a010.D	03/18/2022 14:38
ERH2744 (RHMW13-5)	580-111294-4	SIM031822a011.D	03/18/2022 14:57
ERH2745 (RHMW13-5)	580-111294-5	SIM031822a012.D	03/18/2022 15:16

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Lab File ID: SIM011322b012.D DFTPP Injection Date: 01/14/2022

Instrument ID: TAC050 DFTPP Injection Time: 00:35

Analysis Batch No.: 378263

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10.0 - 80.0 % of mass 198	17.1	
68	Less than 2.0 % of mass 69	0.1	(0.7) 1
69	Mass 69 relative abundance	21.5	
70	Less than 2.0 % of mass 69	0.1	(0.5) 1
127	10.0 - 80.0 % of mass 198	47.9	
197	Less than 2.0 % of mass 198	0.0	
198	Base Peak, 100% relative abundance	100.0	
199	5.0 - 9.0 % of mass 198	6.9	
275	10.0 - 60.0 % of mass 198	27.4	
365	Greater than 1.0 % of mass 198	5.8	
441	Present but less than mass 443	24.9	
442	Greater than 50.0 % of mass 198	179.2	
443	15.0 - 24.0 % of mass 442	32.4	(18.1) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD13 580-378263/4	SIM011322b014	01/14/2022	1:16
	STD12 580-378263/5	SIM011322b015	01/14/2022	1:35
	STD11 580-378263/6	SIM011322b016	01/14/2022	1:54
	STD10 580-378263/7	SIM011322b017	01/14/2022	2:13
	STD9IS 580-378263/8	SIM011322b018	01/14/2022	2:32
	STD8 580-378263/9	SIM011322b019	01/14/2022	2:51
	STD7 580-378263/10	SIM011322b020	01/14/2022	3:10
	STD6 580-378263/11	SIM011322b021	01/14/2022	3:29
	STD5 580-378263/12	SIM011322b022	01/14/2022	3:48
	STD4 580-378263/13	SIM011322b023	01/14/2022	4:07
	STD3 580-378263/14	SIM011322b024	01/14/2022	4:26
	STD2 580-378263/15	SIM011322b025	01/14/2022	4:45
	STD1 580-378263/16	SIM011322b026	01/14/2022	5:04
	ICV 580-378263/18	SIM011322b028	01/14/2022	5:42

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Lab File ID: SIM031822a003.D DFTPP Injection Date: 03/18/2022

Instrument ID: TAC050 DFTPP Injection Time: 10:54

Analysis Batch No.: 384301

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0 % of mass 198	20.5
68	Less than 2.0 % of mass 69	0.1 (0.4) 1
69	Mass 69 relative abundance	24.5
70	Less than 2.0 % of mass 69	0.2 (0.9) 1
127	10.0 - 80.0 % of mass 198	51.5
197	Less than 2.0 % of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 - 9.0 % of mass 198	7.1
275	10.0 - 60.0 % of mass 198	26.8
365	Greater than 1.0 % of mass 198	5.2
441	Present but less than mass 443	21.9
442	Greater than 50.0 % of mass 198	149.4
443	15.0 - 24.0 % of mass 442	28.6 (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:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 580-384301/3	SIM031822a004	03/18/2022	11:17
	MB 580-384177/1-A	SIM031822a005	03/18/2022	13:02
	LCS 580-384177/2-A	SIM031822a006	03/18/2022	13:21
	LCSD 580-384177/3-A	SIM031822a007	03/18/2022	13:40
ERH2692 (OWDFMW01)	580-111294-1	SIM031822a008	03/18/2022	13:59
ERH2772 (Equipment Blank)	580-111294-2	SIM031822a009	03/18/2022	14:18
ERH2743 (RHMW13-5)	580-111294-3	SIM031822a010	03/18/2022	14:38
ERH2744 (RHMW13-5)	580-111294-4	SIM031822a011	03/18/2022	14:57
ERH2745 (RHMW13-5)	580-111294-5	SIM031822a012	03/18/2022	15:16
	CCVC 580-384301/12	SIM031822a013	03/18/2022	15:37

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Sample No.: CCVIS 580-384301/3 Date Analyzed: 03/18/2022 11:17

Instrument ID: TAC050 GC Column: ZB-SV ID: 0.25(mm)

Lab File ID (Standard): SIM031822a004.D Heated Purge: (Y/N) N

Calibration ID: 31897

		NPT		ANT		PHN	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		23190	5.15	11229	6.84	18122	8.30
UPPER LIMIT		46380	5.65	22458	7.34	36244	8.80
LOWER LIMIT		11595	4.65	5615	6.34	9061	7.80
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 580-384177/1-A		22401	5.15	9495	6.84	15504	8.31
LCS 580-384177/2-A		20570	5.15	10277	6.83	17246	8.30
LCSD 580-384177/3-A		22299	5.15	10706	6.83	17946	8.30
580-111294-1	ERH2692 (OWDFMW01)	20841	5.15	9105	6.84	15925	8.30
580-111294-2	ERH2772 (Equipment Blank)	20581	5.15	8939	6.84	15340	8.30
580-111294-3	ERH2743 (RHMW13-5)	19615	5.15	8718	6.84	15349	8.30
580-111294-4	ERH2744 (RHMW13-5)	20160	5.15	8967	6.84	15510	8.30
580-111294-5	ERH2745 (RHMW13-5)	20260	5.15	8878	6.84	15403	8.30
CCVC 580-384301/12		23919	5.15	11646	6.84	19130	8.30

NPT = Naphthalene-d8
ANT = Acenaphthene-d10
PHN = Phenanthrene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270E SIM

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Sample No.: CCVIS 580-384301/3 Date Analyzed: 03/18/2022 11:17

Instrument ID: TAC050 GC Column: ZB-SV ID: 0.25(mm)

Lab File ID (Standard): SIM031822a004.D Heated Purge: (Y/N) N

Calibration ID: 31897

		CRY		PRY			
		AREA #	RT #	AREA #	RT #	#	RT #
12/24 HOUR STD		14728	11.01	16117	13.06		
UPPER LIMIT		29456	11.51	32234	13.56		
LOWER LIMIT		7364	10.51	8059	12.56		
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 580-384177/1-A		13057	11.02	14208	13.07		
LCS 580-384177/2-A		13634	11.01	15598	13.06		
LCSD 580-384177/3-A		14378	11.01	15888	13.05		
580-111294-1	ERH2692 (OWDFMW01)	12402	11.01	13529	13.06		
580-111294-2	ERH2772 (Equipment Blank)	12116	11.01	13666	13.06		
580-111294-3	ERH2743 (RHMW13-5)	12238	11.01	13581	13.06		
580-111294-4	ERH2744 (RHMW13-5)	12486	11.01	13745	13.06		
580-111294-5	ERH2745 (RHMW13-5)	12190	11.01	13624	13.06		
CCVC 580-384301/12		15327	11.01	16470	13.06		

CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270E SIM

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle | Job No.: 580-111294-1

SDG No.:

Client Sample ID: ERH2692 (OWDFMW01) | Lab Sample ID: 580-111294-1

Matrix: Water | Lab File ID: SIM031822a008.D

Analysis Method: 8270E SIM | Date Collected: 03/10/2022 10:05

Extract. Method: 3510C | Date Extracted: 03/17/2022 11:35

Sample wt/vol: 970.5(mL) | Date Analyzed: 03/18/2022 13:59

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 384301 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
90-12-0	1-Methylnaphthalene	0.033	U M	0.10	0.033	0.020
91-57-6	2-Methylnaphthalene	0.082	U M	0.21	0.082	0.040
83-32-9	Acenaphthene	0.033	U M	0.10	0.033	0.014
208-96-8	Acenaphthylene	0.033	U M	0.052	0.033	0.0093
120-12-7	Anthracene	0.082	U M	0.10	0.082	0.023
56-55-3	Benzo[a]anthracene	0.033	U M	0.052	0.033	0.014
50-32-8	Benzo[a]pyrene	0.033	U M	0.10	0.033	0.011
205-99-2	Benzo[b]fluoranthene	0.033	U	0.052	0.033	0.011
191-24-2	Benzo[g,h,i]perylene	0.033	U	0.052	0.033	0.012
207-08-9	Benzo[k]fluoranthene	0.033	U	0.052	0.033	0.012
218-01-9	Chrysene	0.033	U M	0.10	0.033	0.016
53-70-3	Dibenz(a,h)anthracene	0.033	U	0.10	0.033	0.027
206-44-0	Fluoranthene	0.033	U M	0.21	0.033	0.019
86-73-7	Fluorene	0.033	U M	0.10	0.033	0.018
193-39-5	Indeno[1,2,3-cd]pyrene	0.033	U	0.052	0.033	0.014
91-20-3	Naphthalene	0.082	U M	0.10	0.082	0.032
85-01-8	Phenanthrene	0.082	U M	0.10	0.082	0.032
129-00-0	Pyrene	0.082	U M	0.10	0.082	0.034

CAS NO.	SURROGATE	%REC	Q	LIMITS
7297-45-2	2-methylnaphthalene-d10	63		40-140
93951-69-0	Fluoranthene-d10 (Surr)	82		40-140
1718-51-0	Terphenyl-d14	90		58-132

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\SIM031822a008.D
Lims ID: 580-111294-A-1-A
Client ID: ERH2692 (OWDFMW01)
Sample Type: Client
Inject. Date: 18-Mar-2022 13:59:30 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 580-111294-A-1-A
Operator ID: tl Instrument ID: TAC050

Method: \\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\TAC050_SIM_PAH.m
Limit Group: 8270D_SIM QSM 5.0
Last Update: 21-Mar-2022 08:49:53 Calib Date: 14-Jan-2022 05:04:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D

Column 1 : Det: MS SCAN
Process Host: CTX1643

First Level Reviewer: limwirojt Date: 21-Mar-2022 08:49:53

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 1 Naphthalene-d8	136	5.148	5.148	0.000	90	20841	100.0	
* 2 Acenaphthene-d10	164	6.836	6.836	0.000	70	9105	100.0	
* 3 Phenanthrene-d10	188	8.299	8.299	0.000	56	15925	100.0	
* 4 Chrysene-d12	240	11.012	11.007	0.005	49	12402	100.0	
* 5 Perylene-d12	264	13.061	13.061	0.000	69	13529	100.0	
$ 6 2-methylnaphthalene-d10	152	5.791	5.791	0.000	67	77863	631.5	
$ 10 2-Fluorobiphenyl	172	6.170	6.170	0.000	0	95105	652.8	Ma
$ 7 2,4,6-Tribromophenol	330	7.614	7.614	0.000	58	20194	811.4	
$ 8 Fluoranthene-d10 (Surr)	212	9.486	9.486	0.000	68	135377	822.7	
$ 9 Terphenyl-d14	244	9.880	9.880	0.000	93	114792	899.4	
11 Naphthalene	128	5.171	5.171	0.000	26	244	1.11	M
12 2-Methylnaphthalene	141	5.818	5.823	-0.005	88	228	1.82	M
13 1-Methylnaphthalene	141	5.914	5.914	0.000	93	135	1.11	M
14 Acenaphthylene	152	6.699	6.695	0.004	97	96	0.4987	M
15 Acenaphthene	153	6.867	6.867	0.000	88	68	0.5629	M
16 Fluorene	166	7.376	7.371	0.005	94	161	1.20	M
18 Phenanthrene	178	8.322	8.322	0.000	100	1023	3.98	M
19 Anthracene	178	8.377	8.373	0.004	99	244	0.2988	M
20 Fluoranthene	202	9.502	9.502	0.000	8	441	1.05	M
21 Pyrene	202	9.735	9.731	0.004	51	1553	6.22	M
22 Benzo[a]anthracene	228	10.998	10.994	0.004	21	383	0.8392	M
23 Chrysene	228	11.039	11.039	0.000	99	759	2.60	M
26 Benzo[a]pyrene	252	12.969	12.964	0.005	63	224	0.4569	M

QC Flag Legend
Processing Flags

Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

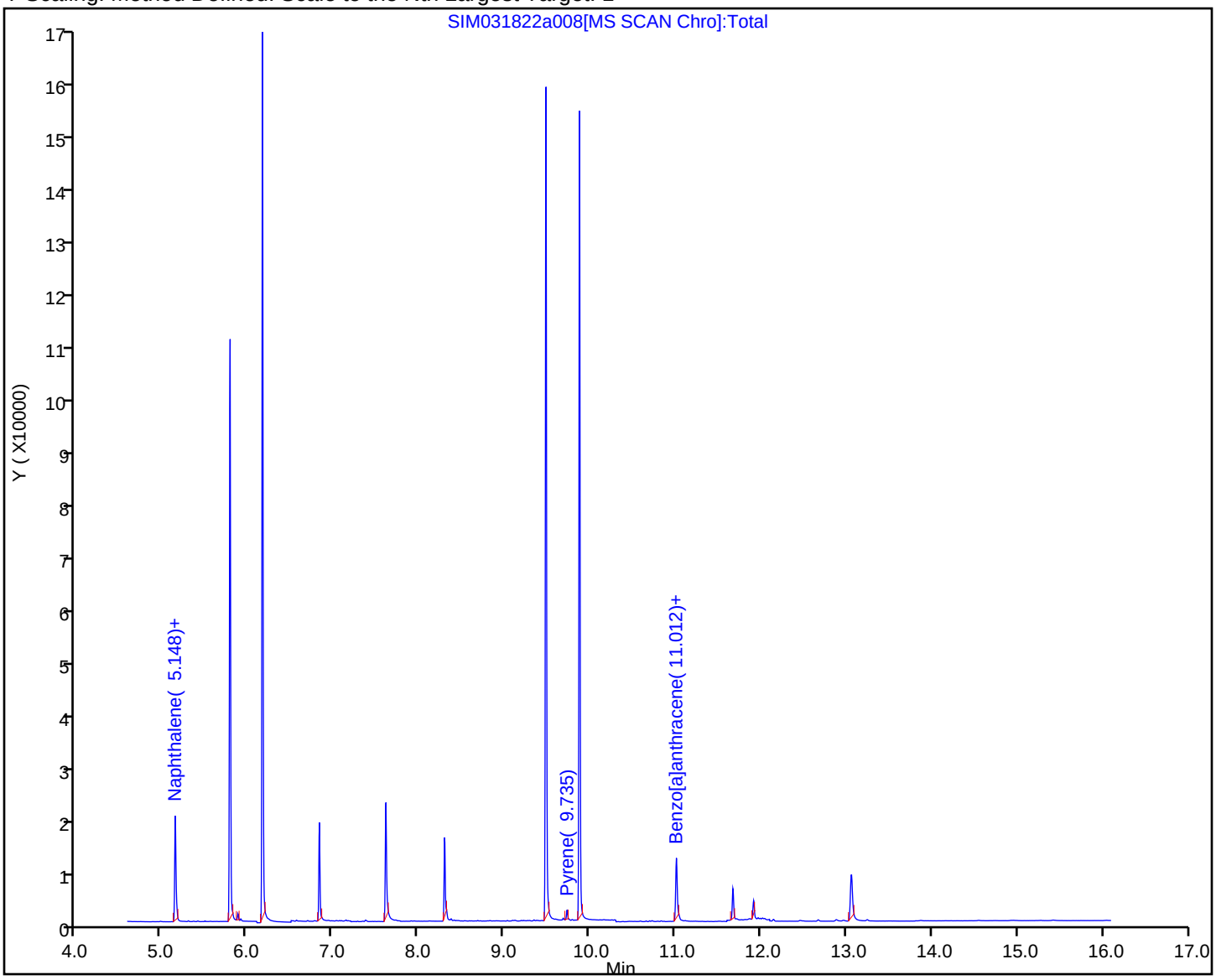
8270SIM_IS_00069 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 21-Mar-2022 08:49:53 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Seattle

Data File:	\\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\SIM031822a008.D				
Injection Date:	18-Mar-2022 13:59:30	Instrument ID:	TAC050		
Lims ID:	580-111294-A-1-A	Lab Sample ID:	580-111294-1		
Client ID:	ERH2692 (OWDFMW01)				
Operator ID:	tl	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle
Recovery Report

Data File: \\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\SIM031822a008.D
Lims ID: 580-111294-A-1-A
Client ID: ERH2692 (OWDFMW01)
Sample Type: Client
Inject. Date: 18-Mar-2022 13:59:30 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 580-111294-A-1-A
Operator ID: tl Instrument ID: TAC050

Method: \\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\TAC050_SIM_PAH.m
Limit Group: 8270D_SIM QSM 5.0
Last Update: 21-Mar-2022 08:49:53 Calib Date: 14-Jan-2022 05:04:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D

Column 1 : Det: MS SCAN
Process Host: CTX1643

First Level Reviewer: limwirojt Date: 21-Mar-2022 08:49:53

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 2-methylnaphthalene-d10	1000.0	631.5	63.15
$ 10 2-Fluorobiphenyl	1000.0	652.8	65.28
$ 7 2,4,6-Tribromophenol	1000.0	811.4	81.14
$ 8 Fluoranthene-d10 (Surr)	1000.0	822.7	82.27
$ 9 Terphenyl-d14	1000.0	899.4	89.94

Manual Integration/User Assign Peak Report

Eurofins Seattle

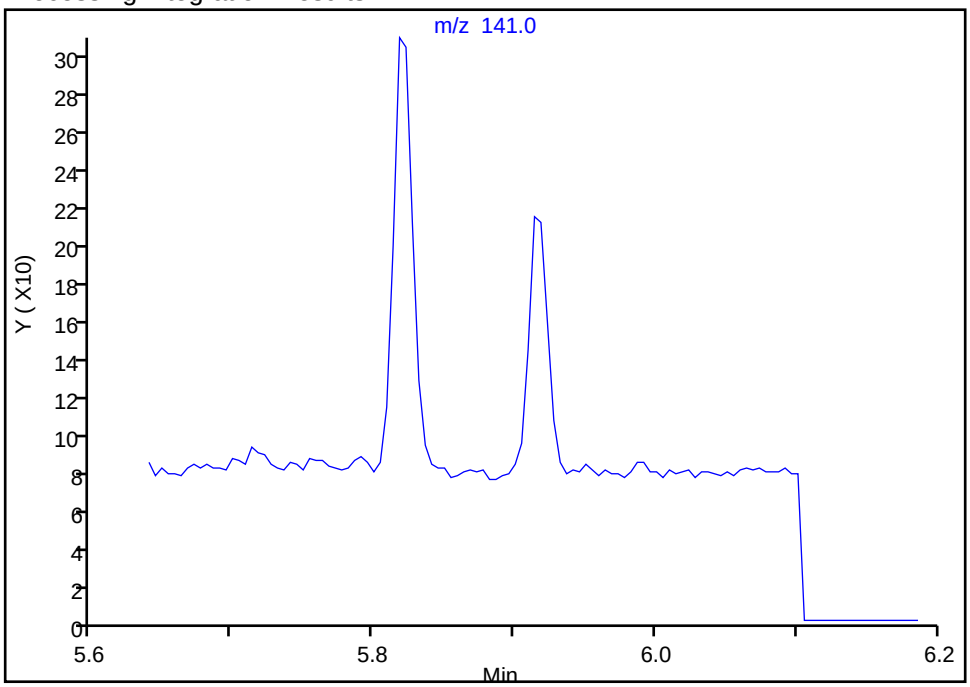
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\SIM031822a008.D				
Injection Date:	18-Mar-2022 13:59:30	Instrument ID:	TAC050		
Lims ID:	580-111294-A-1-A	Lab Sample ID:	580-111294-1		
Client ID:	ERH2692 (OWDFMW01)				
Operator ID:	tl	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

13 1-Methylnaphthalene, CAS: 90-12-0

Signal: 1

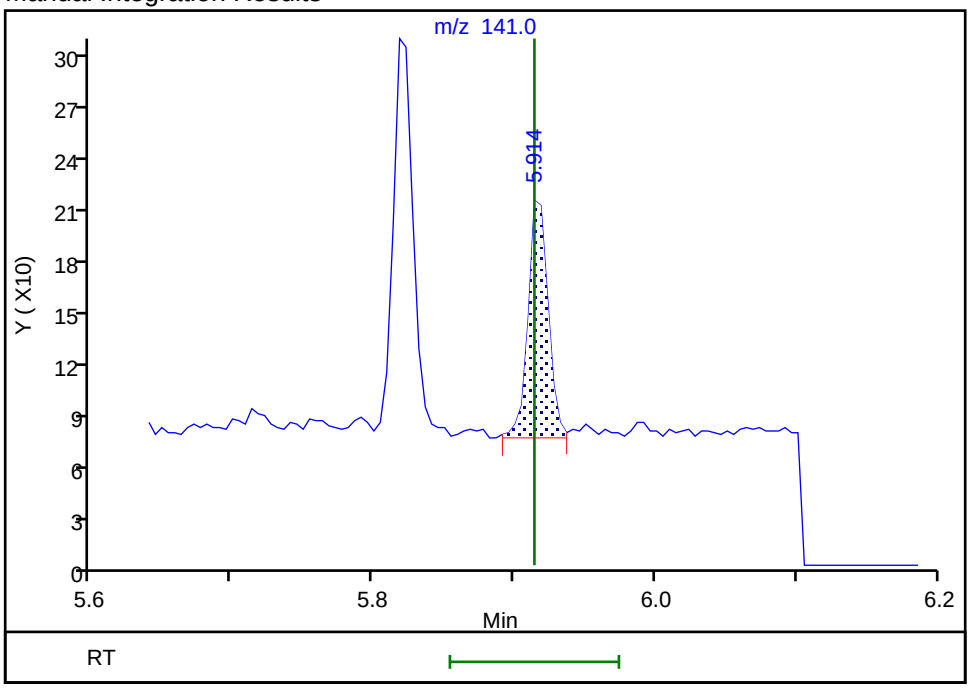
Not Detected
Expected RT: 5.91

Processing Integration Results



Manual Integration Results

RT: 5.91
Area: 135
Amount: 1.114908
Amount Units: ug/L



Reviewer: limwirojt, 21-Mar-2022 08:48:19
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

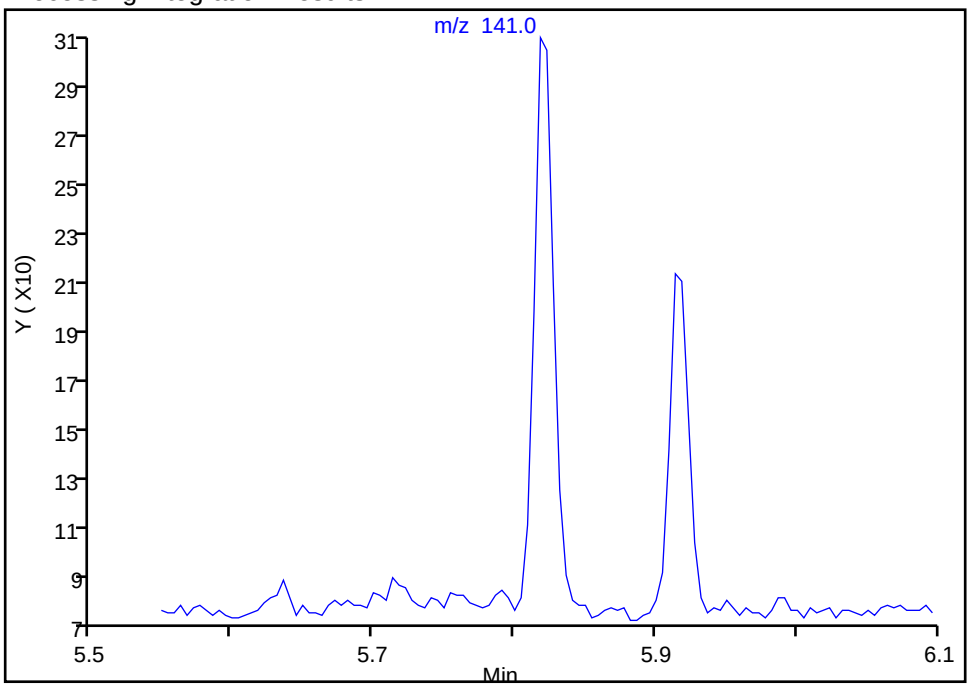
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\SIM031822a008.D				
Injection Date:	18-Mar-2022 13:59:30	Instrument ID:	TAC050		
Lims ID:	580-111294-A-1-A	Lab Sample ID:	580-111294-1		
Client ID:	ERH2692 (OWDFMW01)				
Operator ID:	tl	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

12 2-Methylnaphthalene, CAS: 91-57-6

Signal: 1

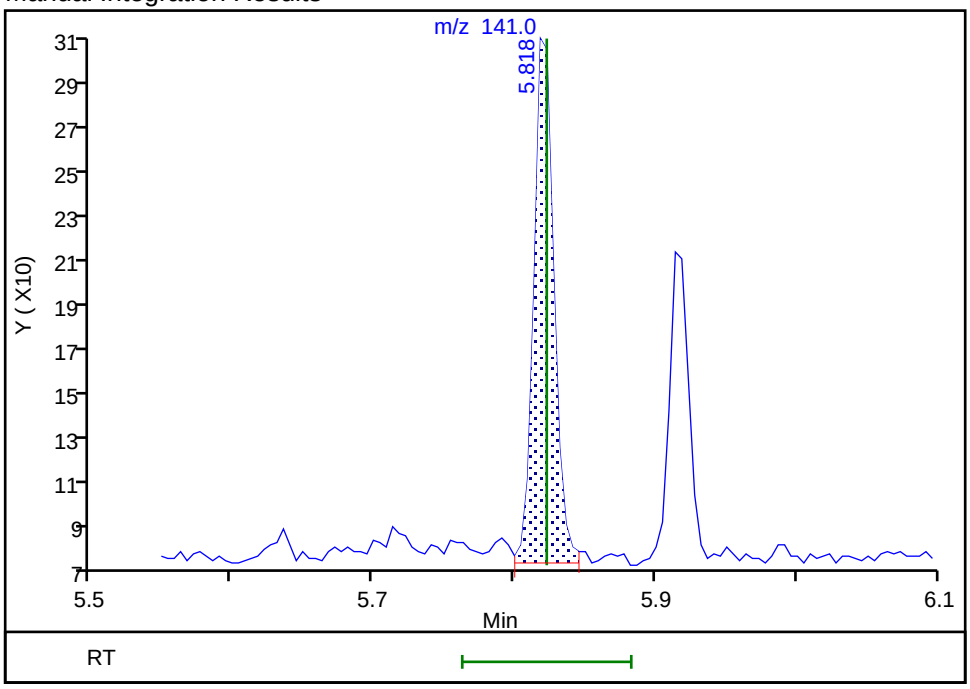
Not Detected
Expected RT: 5.82

Processing Integration Results



Manual Integration Results

RT: 5.82
Area: 228
Amount: 1.823856
Amount Units: ug/L



Reviewer: limwirojt, 21-Mar-2022 08:48:13
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

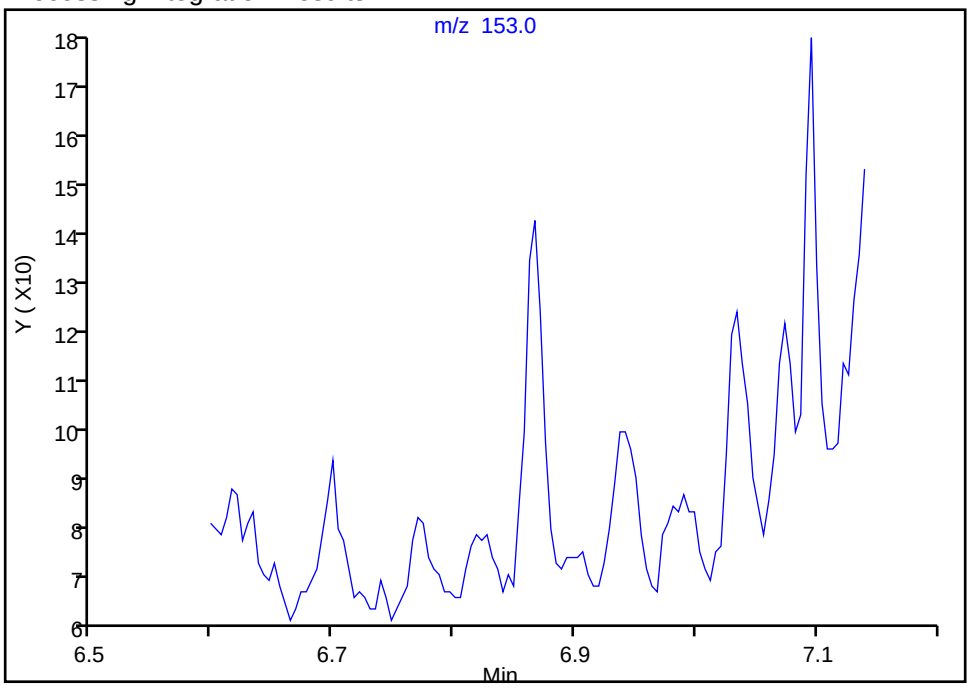
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\SIM031822a008.D				
Injection Date:	18-Mar-2022 13:59:30	Instrument ID:	TAC050		
Lims ID:	580-111294-A-1-A	Lab Sample ID:	580-111294-1		
Client ID:	ERH2692 (OWDFMW01)				
Operator ID:	tl	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

15 Acenaphthene, CAS: 83-32-9

Signal: 1

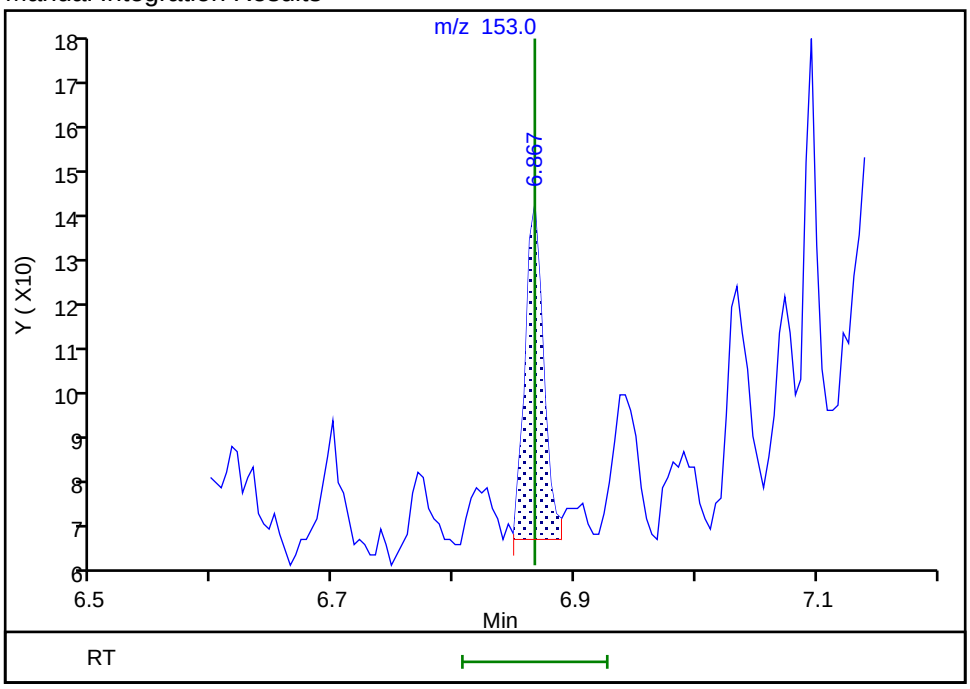
Not Detected
Expected RT: 6.87

Processing Integration Results



Manual Integration Results

RT: 6.87
Area: 68
Amount: 0.562919
Amount Units: ug/L



Reviewer: limwirojt, 21-Mar-2022 08:48:29
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

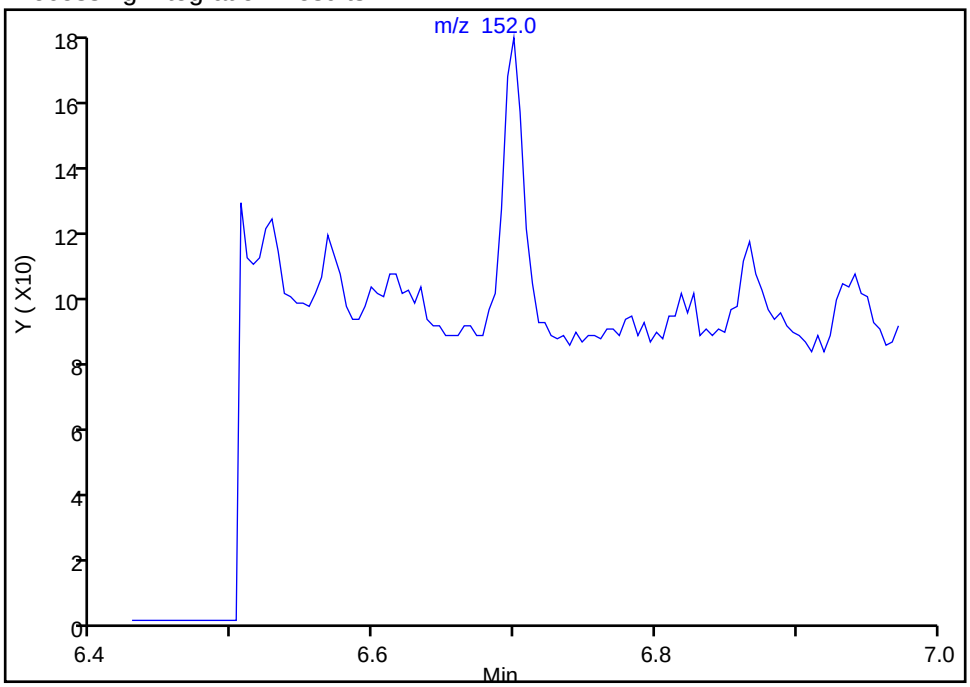
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\SIM031822a008.D				
Injection Date:	18-Mar-2022 13:59:30	Instrument ID:	TAC050		
Lims ID:	580-111294-A-1-A	Lab Sample ID:	580-111294-1		
Client ID:	ERH2692 (OWDFMW01)				
Operator ID:	tl	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

14 Acenaphthylene, CAS: 208-96-8

Signal: 1

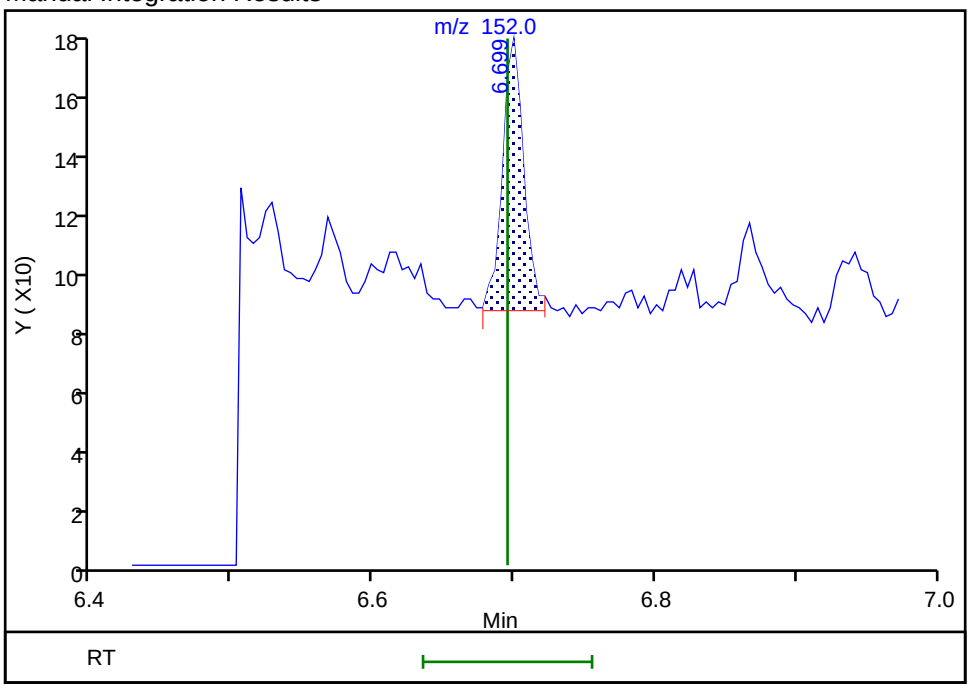
Not Detected
Expected RT: 6.69

Processing Integration Results



Manual Integration Results

RT: 6.70
Area: 96
Amount: 0.498721
Amount Units: ug/L



Reviewer: limwirojt, 21-Mar-2022 08:48:24
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

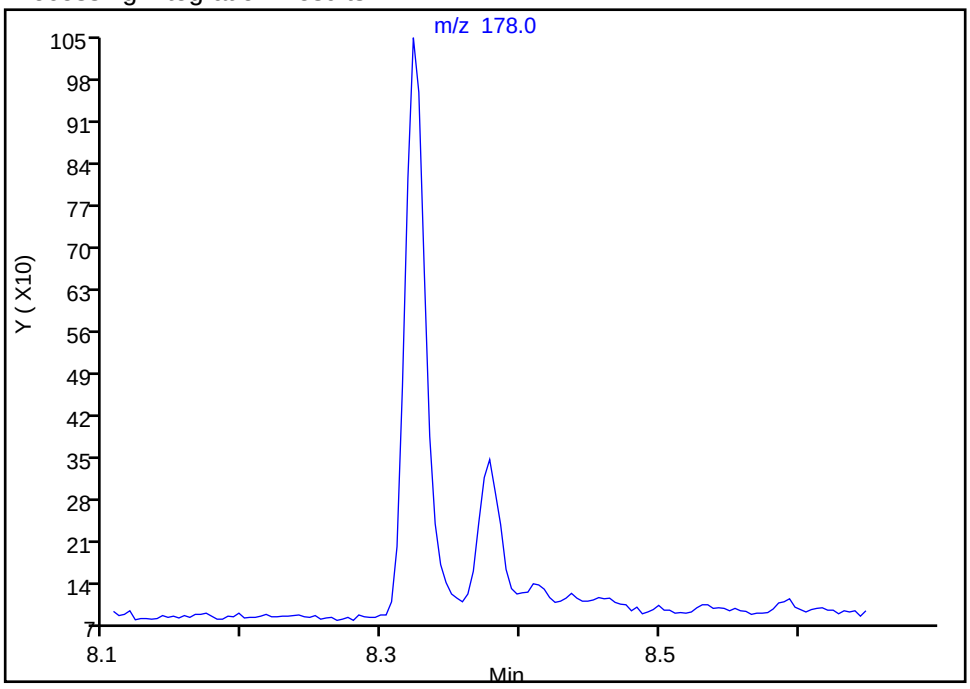
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\SIM031822a008.D				
Injection Date:	18-Mar-2022 13:59:30	Instrument ID:	TAC050		
Lims ID:	580-111294-A-1-A	Lab Sample ID:	580-111294-1		
Client ID:	ERH2692 (OWDFMW01)				
Operator ID:	tl	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

19 Anthracene, CAS: 120-12-7

Signal: 1

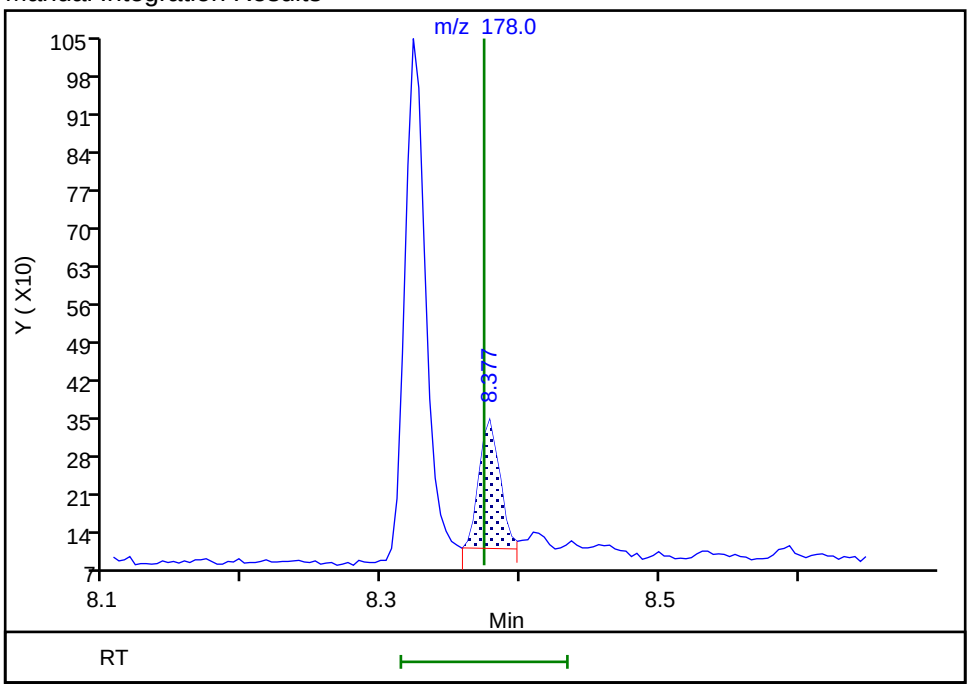
Not Detected
Expected RT: 8.37

Processing Integration Results



Manual Integration Results

RT: 8.38
Area: 244
Amount: 0.298787
Amount Units: ug/L



Reviewer: limwirojt, 21-Mar-2022 08:49:10
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

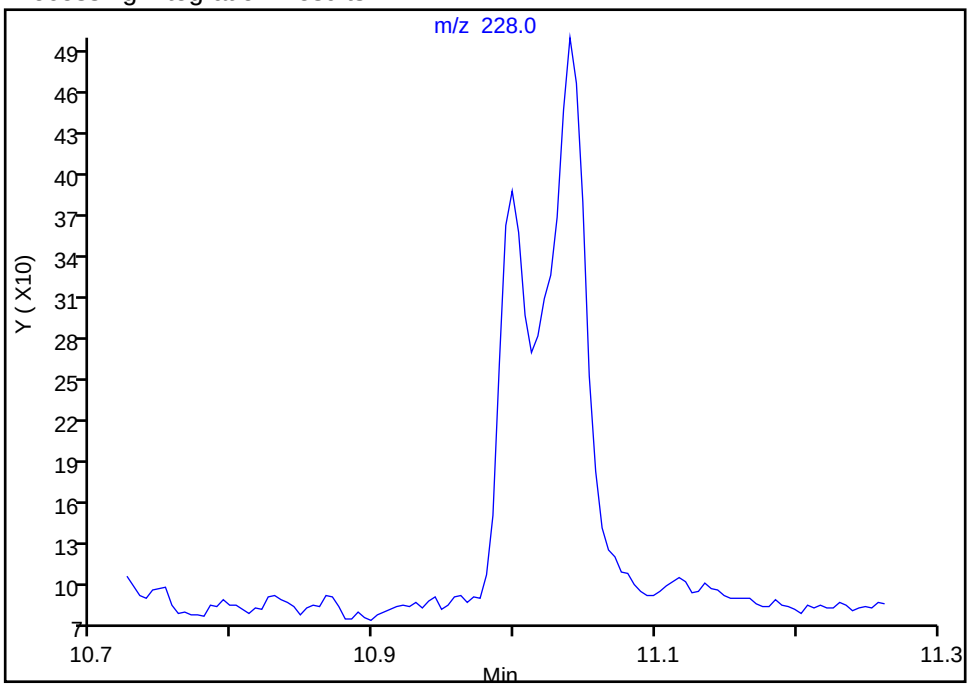
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\SIM031822a008.D				
Injection Date:	18-Mar-2022 13:59:30	Instrument ID:	TAC050		
Lims ID:	580-111294-A-1-A	Lab Sample ID:	580-111294-1		
Client ID:	ERH2692 (OWDFMW01)				
Operator ID:	tl	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

22 Benzo[a]anthracene, CAS: 56-55-3

Signal: 1

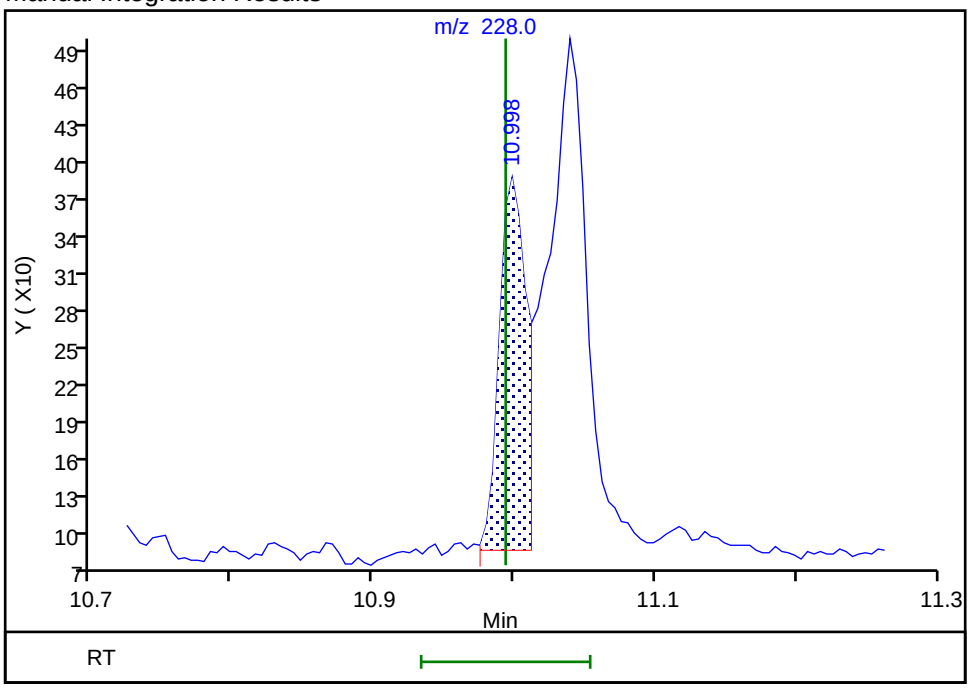
Not Detected
Expected RT: 10.99

Processing Integration Results



Manual Integration Results

RT: 11.00
Area: 383
Amount: 0.839203
Amount Units: ug/L



Reviewer: limwirojt, 21-Mar-2022 08:49:26
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

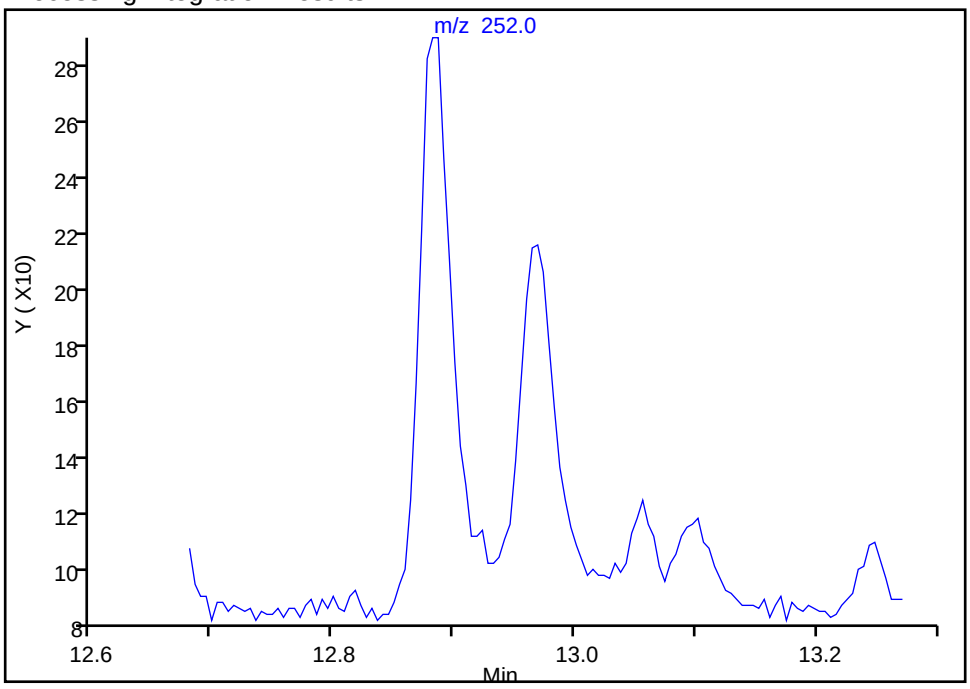
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\SIM031822a008.D				
Injection Date:	18-Mar-2022 13:59:30	Instrument ID:	TAC050		
Lims ID:	580-111294-A-1-A	Lab Sample ID:	580-111294-1		
Client ID:	ERH2692 (OWDFMW01)				
Operator ID:	tl	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

26 Benzo[a]pyrene, CAS: 50-32-8

Signal: 1

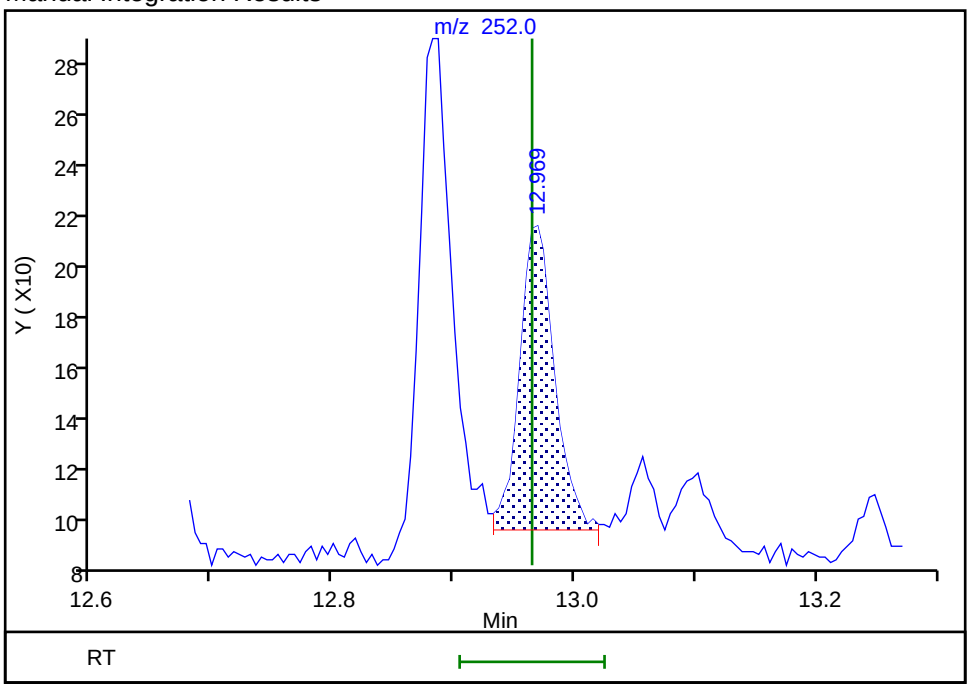
Not Detected
Expected RT: 12.96

Processing Integration Results



Manual Integration Results

RT: 12.97
Area: 224
Amount: 0.456877
Amount Units: ug/L



Reviewer: limwirojt, 21-Mar-2022 08:49:41
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

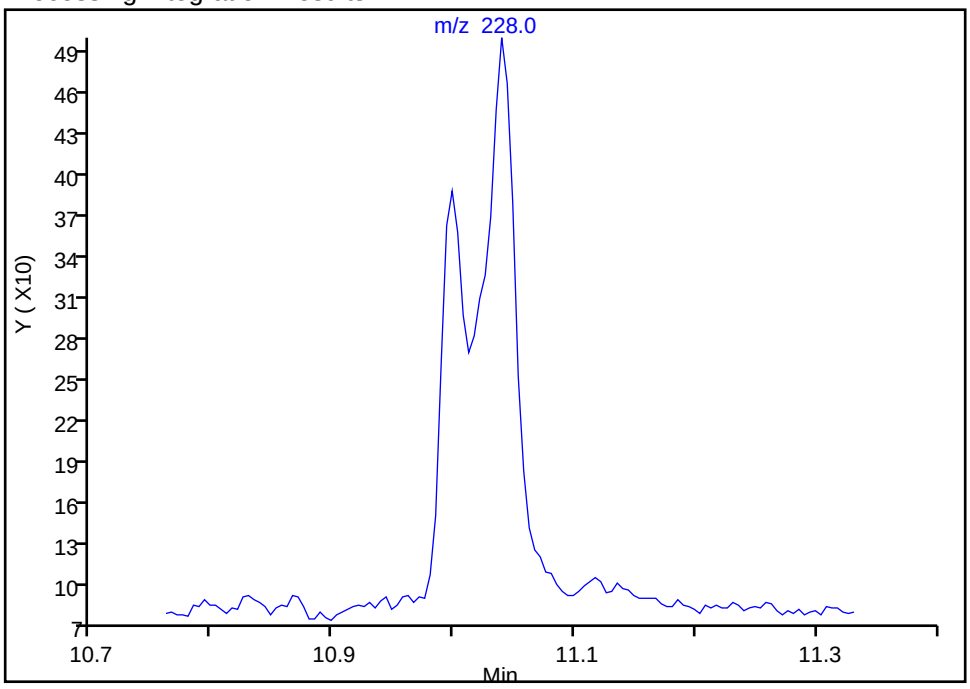
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\SIM031822a008.D				
Injection Date:	18-Mar-2022 13:59:30	Instrument ID:	TAC050		
Lims ID:	580-111294-A-1-A	Lab Sample ID:	580-111294-1		
Client ID:	ERH2692 (OWDFMW01)				
Operator ID:	tl	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

23 Chrysene, CAS: 218-01-9

Signal: 1

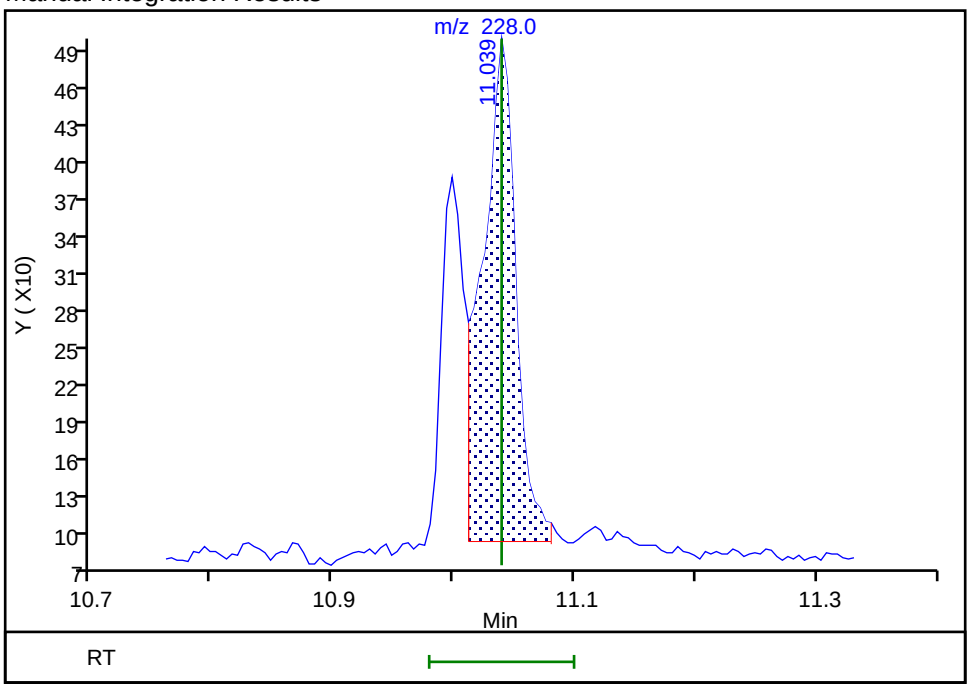
Not Detected
Expected RT: 11.04

Processing Integration Results



Manual Integration Results

RT: 11.04
Area: 759
Amount: 2.600960
Amount Units: ug/L



Reviewer: limwirojt, 21-Mar-2022 08:49:32
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

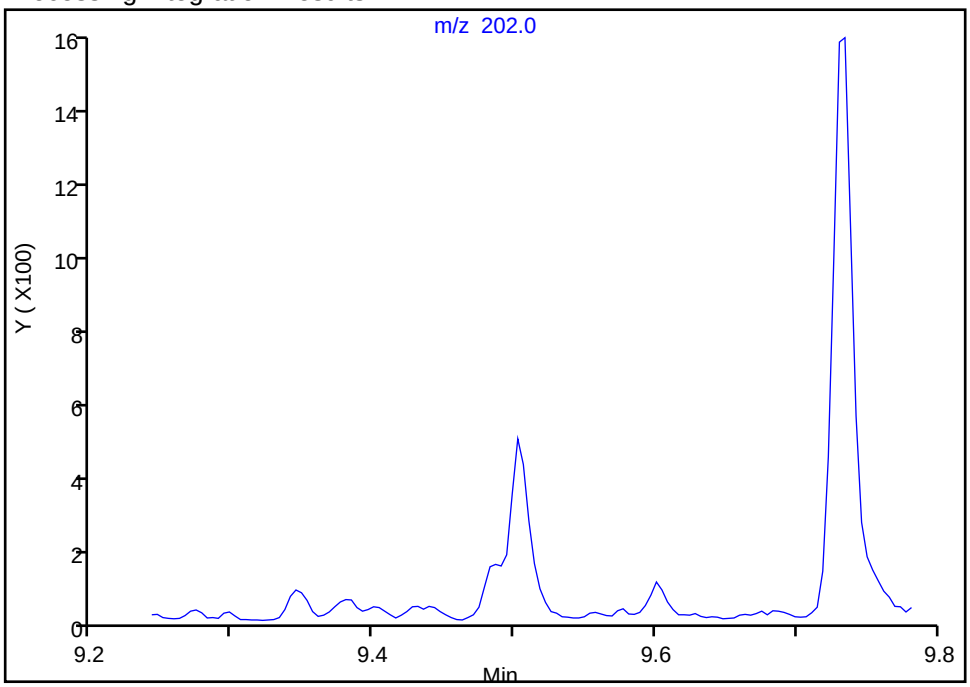
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\SIM031822a008.D				
Injection Date:	18-Mar-2022 13:59:30	Instrument ID:	TAC050		
Lims ID:	580-111294-A-1-A	Lab Sample ID:	580-111294-1		
Client ID:	ERH2692 (OWDFMW01)				
Operator ID:	tl	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

20 Fluoranthene, CAS: 206-44-0

Signal: 1

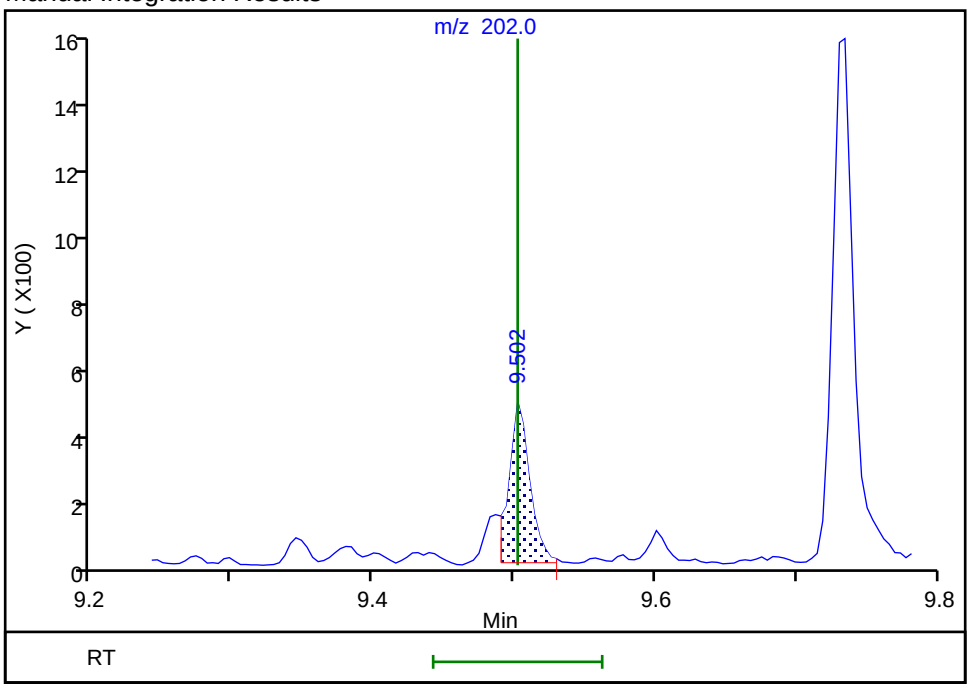
Not Detected
Expected RT: 9.50

Processing Integration Results



Manual Integration Results

RT: 9.50
Area: 441
Amount: 1.053865
Amount Units: ug/L



Reviewer: limwirojt, 21-Mar-2022 08:49:17
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

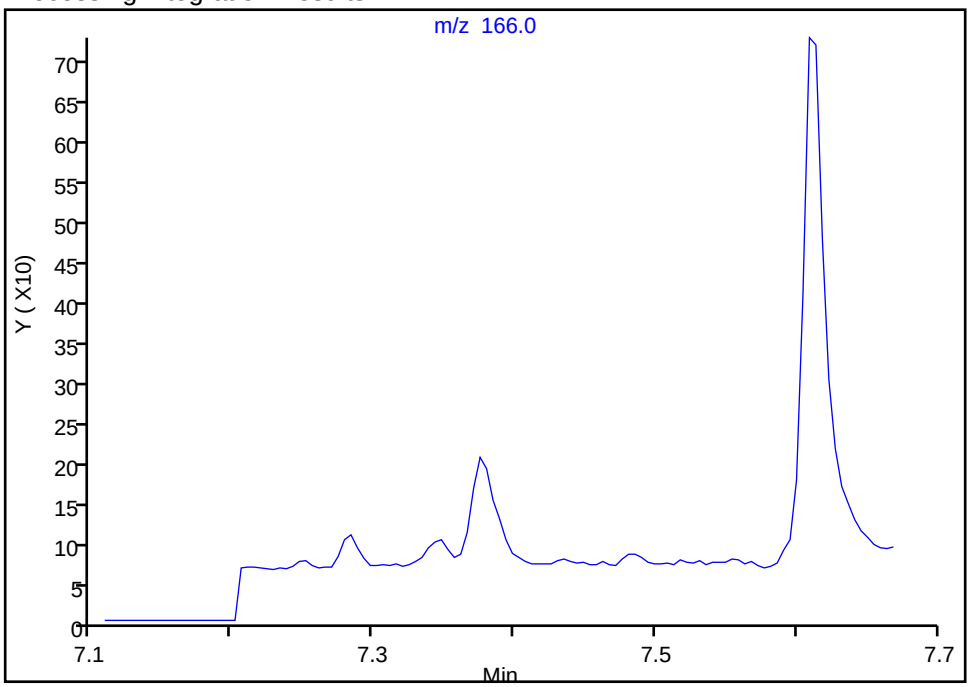
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\SIM031822a008.D				
Injection Date:	18-Mar-2022 13:59:30	Instrument ID:	TAC050		
Lims ID:	580-111294-A-1-A	Lab Sample ID:	580-111294-1		
Client ID:	ERH2692 (OWDFMW01)				
Operator ID:	tl	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

16 Fluorene, CAS: 86-73-7

Signal: 1

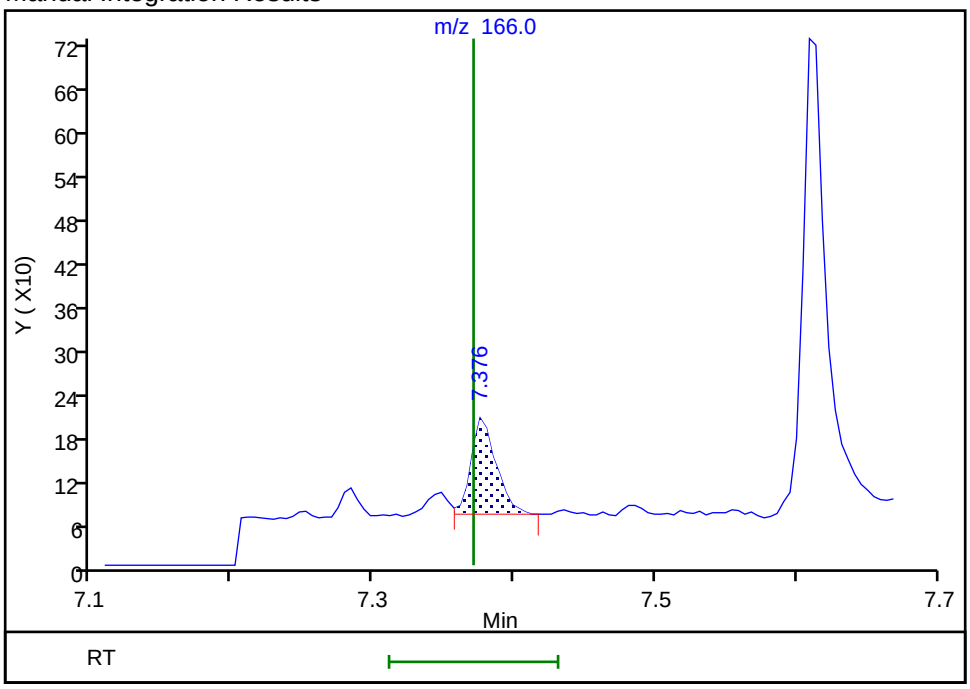
Not Detected
Expected RT: 7.37

Processing Integration Results



Manual Integration Results

RT: 7.38
Area: 161
Amount: 1.195485
Amount Units: ug/L



Reviewer: limwirojt, 21-Mar-2022 08:48:36
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

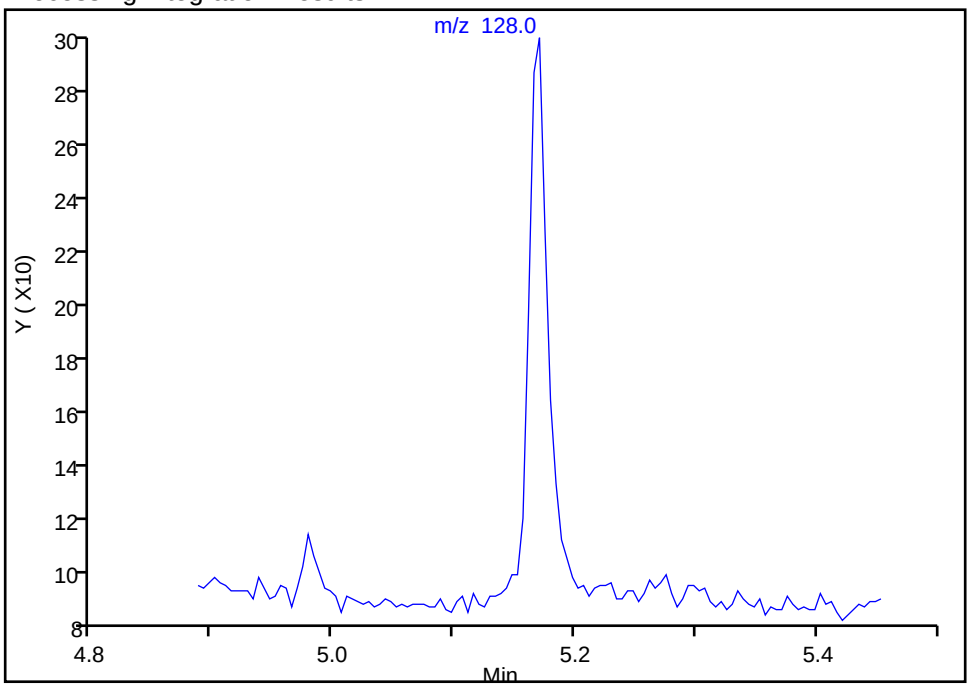
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\SIM031822a008.D				
Injection Date:	18-Mar-2022 13:59:30	Instrument ID:	TAC050		
Lims ID:	580-111294-A-1-A	Lab Sample ID:	580-111294-1		
Client ID:	ERH2692 (OWDFMW01)				
Operator ID:	tl	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

11 Naphthalene, CAS: 91-20-3

Signal: 1

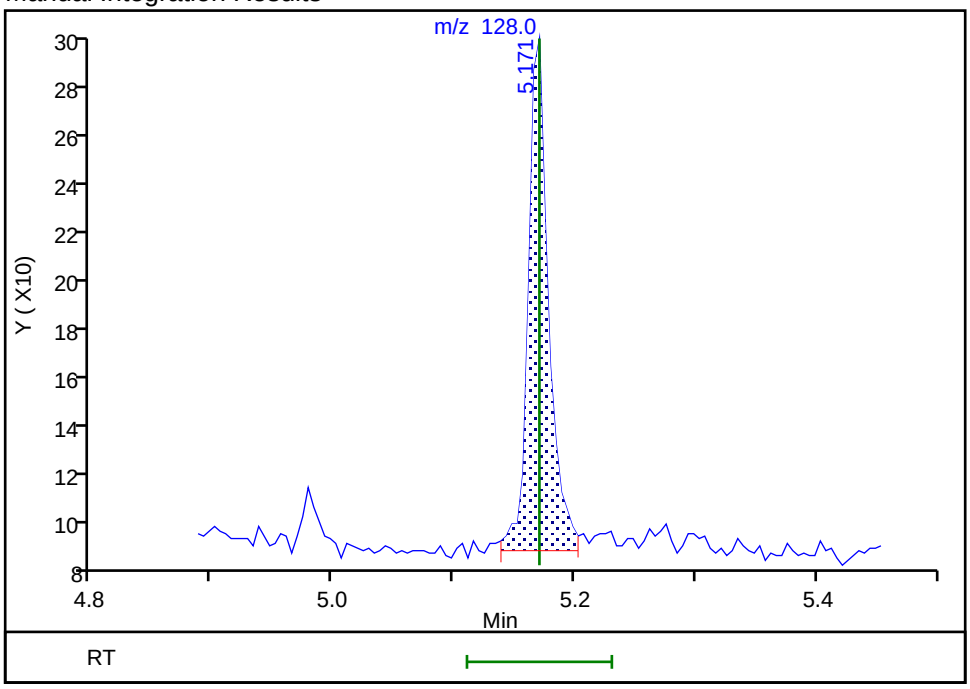
Not Detected
Expected RT: 5.17

Processing Integration Results



Manual Integration Results

RT: 5.17
Area: 244
Amount: 1.106951
Amount Units: ug/L



Reviewer: limwirojt, 21-Mar-2022 08:48:08
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

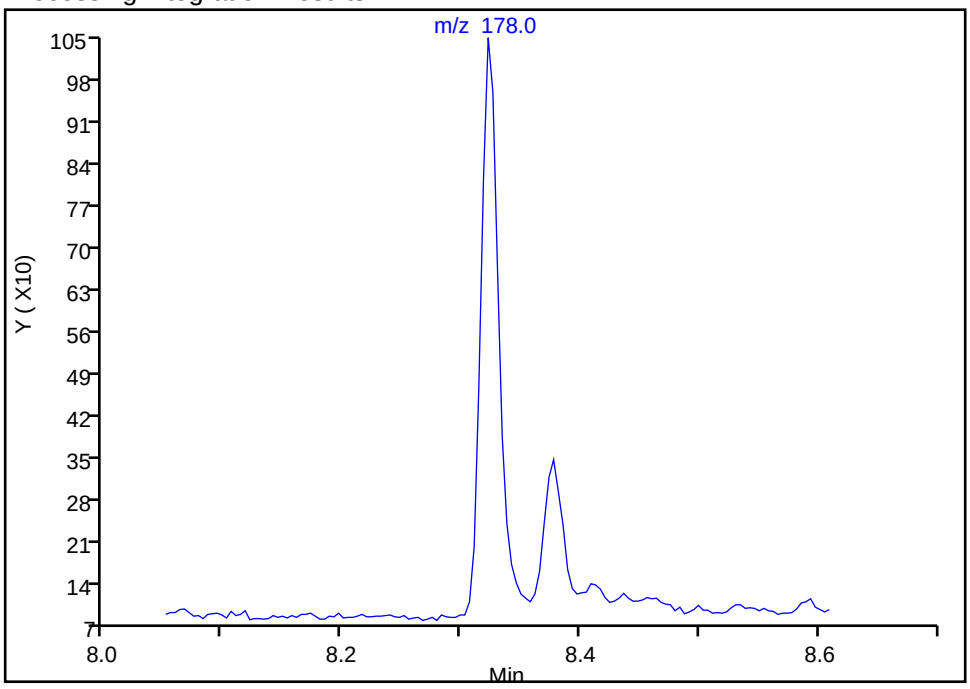
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\SIM031822a008.D				
Injection Date:	18-Mar-2022 13:59:30	Instrument ID:	TAC050		
Lims ID:	580-111294-A-1-A	Lab Sample ID:	580-111294-1		
Client ID:	ERH2692 (OWDFMW01)				
Operator ID:	tl	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

18 Phenanthrene, CAS: 85-01-8

Signal: 1

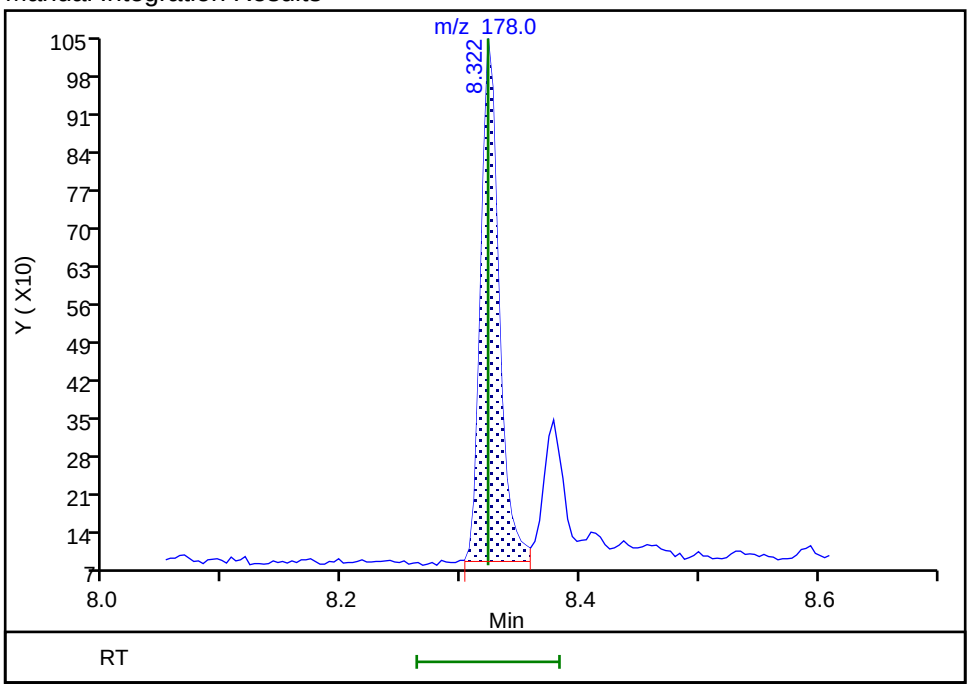
Not Detected
Expected RT: 8.32

Processing Integration Results



Manual Integration Results

RT: 8.32
Area: 1023
Amount: 3.975725
Amount Units: ug/L



Reviewer: limwirojt, 21-Mar-2022 08:49:02
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

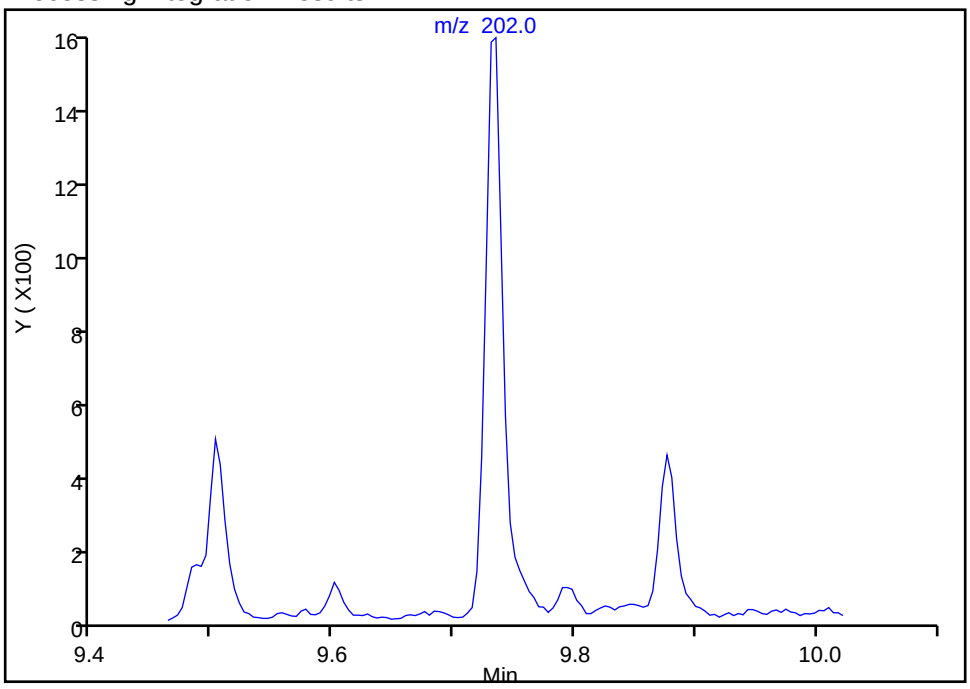
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\SIM031822a008.D				
Injection Date:	18-Mar-2022 13:59:30	Instrument ID:	TAC050		
Lims ID:	580-111294-A-1-A	Lab Sample ID:	580-111294-1		
Client ID:	ERH2692 (OWDFMW01)				
Operator ID:	tl	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

21 Pyrene, CAS: 129-00-0

Signal: 1

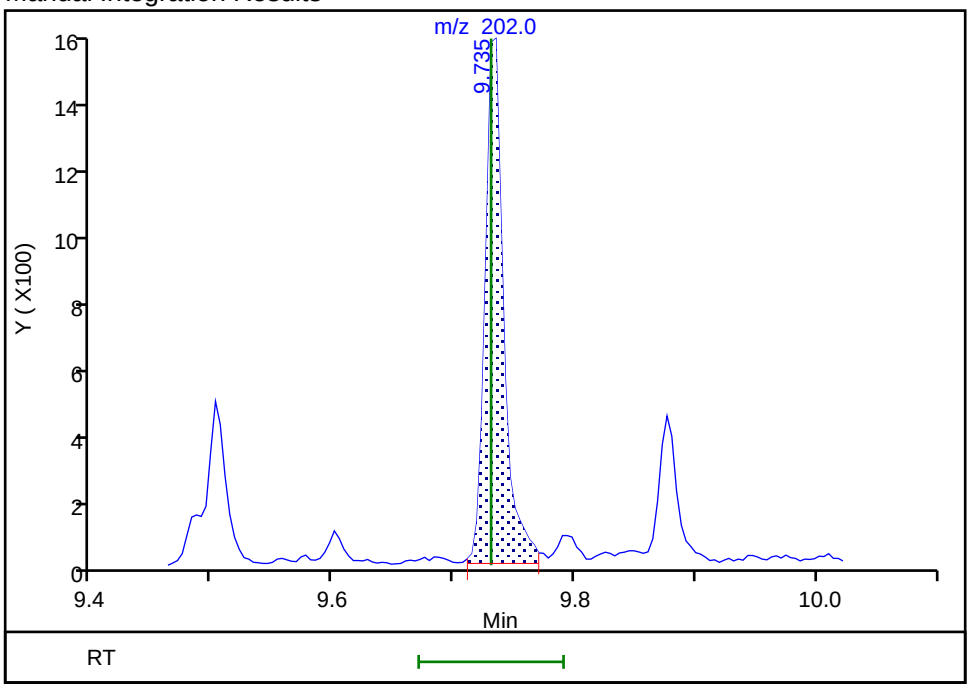
Not Detected
Expected RT: 9.73

Processing Integration Results



Manual Integration Results

RT: 9.73
Area: 1553
Amount: 6.221575
Amount Units: ug/L



Reviewer: limwirojt, 21-Mar-2022 08:49:21
Audit Action: Manually Integrated Audit Reason: Assign Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle | Job No.: 580-111294-1

SDG No.:

Client Sample ID: ERH2772 (Equipment Blank) | Lab Sample ID: 580-111294-2

Matrix: Water | Lab File ID: SIM031822a009.D

Analysis Method: 8270E SIM | Date Collected: 03/10/2022 11:42

Extract. Method: 3510C | Date Extracted: 03/17/2022 11:35

Sample wt/vol: 1048.2(mL) | Date Analyzed: 03/18/2022 14:18

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 384301 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
90-12-0	1-Methylnaphthalene	0.031	U M	0.095	0.031	0.018
91-57-6	2-Methylnaphthalene	0.076	U M	0.19	0.076	0.037
83-32-9	Acenaphthene	0.031	U	0.095	0.031	0.013
208-96-8	Acenaphthylene	0.031	U	0.048	0.031	0.0086
120-12-7	Anthracene	0.076	U M	0.095	0.076	0.021
56-55-3	Benzo[a]anthracene	0.031	U	0.048	0.031	0.013
50-32-8	Benzo[a]pyrene	0.031	U	0.095	0.031	0.010
205-99-2	Benzo[b]fluoranthene	0.031	U	0.048	0.031	0.010
191-24-2	Benzo[g,h,i]perylene	0.031	U	0.048	0.031	0.011
207-08-9	Benzo[k]fluoranthene	0.031	U	0.048	0.031	0.011
218-01-9	Chrysene	0.031	U	0.095	0.031	0.015
53-70-3	Dibenz(a,h)anthracene	0.031	U	0.095	0.031	0.025
206-44-0	Fluoranthene	0.031	U M	0.19	0.031	0.017
86-73-7	Fluorene	0.031	U	0.095	0.031	0.016
193-39-5	Indeno[1,2,3-cd]pyrene	0.031	U	0.048	0.031	0.013
91-20-3	Naphthalene	0.076	U M	0.095	0.076	0.030
85-01-8	Phenanthrene	0.076	U M	0.095	0.076	0.030
129-00-0	Pyrene	0.076	U M	0.095	0.076	0.031

CAS NO.	SURROGATE	%REC	Q	LIMITS
7297-45-2	2-methylnaphthalene-d10	51		40-140
93951-69-0	Fluoranthene-d10 (Surr)	72		40-140
1718-51-0	Terphenyl-d14	88		58-132

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\SIM031822a009.D
Lims ID: 580-111294-B-2-A
Client ID: ERH2772 (Equipment Blank)
Sample Type: Client
Inject. Date: 18-Mar-2022 14:18:30 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 580-111294-B-2-A
Operator ID: tl Instrument ID: TAC050

Method: \\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\TAC050_SIM_PAH.m
Limit Group: 8270D_SIM QSM 5.0
Last Update: 21-Mar-2022 09:11:23 Calib Date: 14-Jan-2022 05:04:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D

Column 1 : Det: MS SCAN
Process Host: CTX1643

First Level Reviewer: limwirojt Date: 21-Mar-2022 08:52:33

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 1 Naphthalene-d8	136	5.148	5.148	0.000	90	20581	100.0	
* 2 Acenaphthene-d10	164	6.836	6.836	0.000	70	8939	100.0	
* 3 Phenanthrene-d10	188	8.303	8.299	0.004	56	15340	100.0	
* 4 Chrysene-d12	240	11.012	11.007	0.005	48	12116	100.0	
* 5 Perylene-d12	264	13.061	13.061	0.000	69	13666	100.0	
$ 6 2-methylnaphthalene-d10	152	5.791	5.791	0.000	67	61614	506.0	
$ 10 2-Fluorobiphenyl	172	6.170	6.170	0.000	0	75676	529.1	Ma
$ 7 2,4,6-Tribromophenol	330	7.618	7.614	0.004	57	12965	537.8	
$ 8 Fluoranthene-d10 (Surr)	212	9.486	9.486	0.000	68	114219	720.4	
$ 9 Terphenyl-d14	244	9.880	9.880	0.000	94	107847	877.2	
11 Naphthalene	128	5.171	5.171	0.000	87	309	1.42	M
12 2-Methylnaphthalene	141	5.823	5.823	0.000	97	211	1.71	M
13 1-Methylnaphthalene	141	5.919	5.914	0.005	96	110	0.9199	M
18 Phenanthrene	178	8.326	8.322	0.004	99	369	0.7761	M
21 Pyrene	202	9.734	9.731	0.003	50	443	0.9701	M

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

8270SIM_IS_00069 Amount Added: 10.00 Units: uL Run Reagent

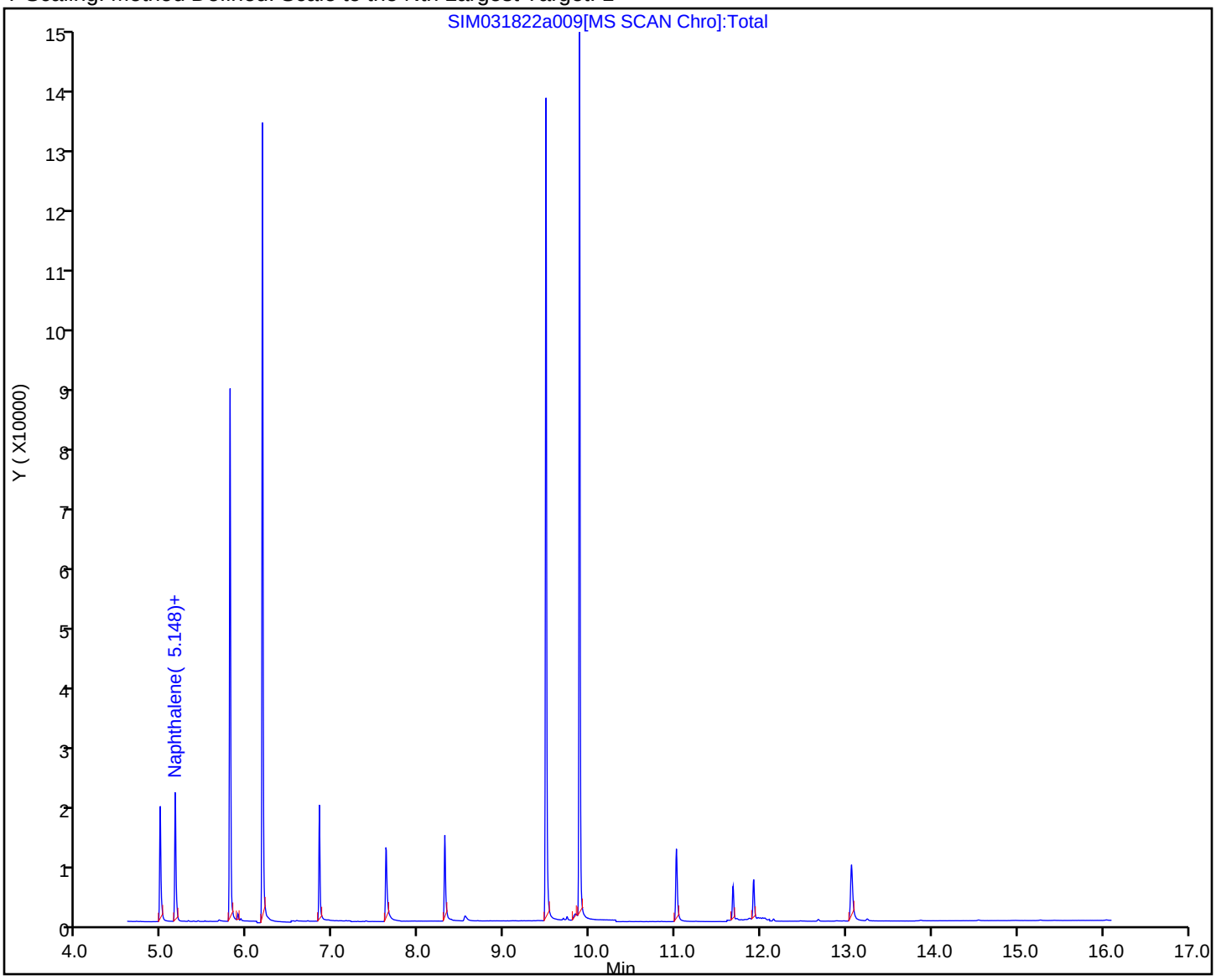
Report Date: 21-Mar-2022 09:11:24 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\SIM031822a009.D

Injection Date:	18-Mar-2022 14:18:30	Instrument ID:	TAC050		
Lims ID:	580-111294-B-2-A	Lab Sample ID:	580-111294-2		
Client ID:	ERH2772 (Equipment Blank)				
Operator ID:	tl	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle
Recovery Report

Data File: \\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\SIM031822a009.D
Lims ID: 580-111294-B-2-A
Client ID: ERH2772 (Equipment Blank)
Sample Type: Client
Inject. Date: 18-Mar-2022 14:18:30 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 580-111294-B-2-A
Operator ID: tl Instrument ID: TAC050

Method: \\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\TAC050_SIM_PAH.m
Limit Group: 8270D_SIM QSM 5.0
Last Update: 21-Mar-2022 09:11:23 Calib Date: 14-Jan-2022 05:04:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D

Column 1 : Det: MS SCAN
Process Host: CTX1643

First Level Reviewer: limwirojt Date: 21-Mar-2022 08:52:33

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 2-methylnaphthalene-d10	1000.0	506.0	50.60
$ 10 2-Fluorobiphenyl	1000.0	529.1	52.91
$ 7 2,4,6-Tribromophenol	1000.0	537.8	53.78
$ 8 Fluoranthene-d10 (Surr)	1000.0	720.4	72.04
$ 9 Terphenyl-d14	1000.0	877.2	87.72

Manual Integration/User Assign Peak Report

Eurofins Seattle

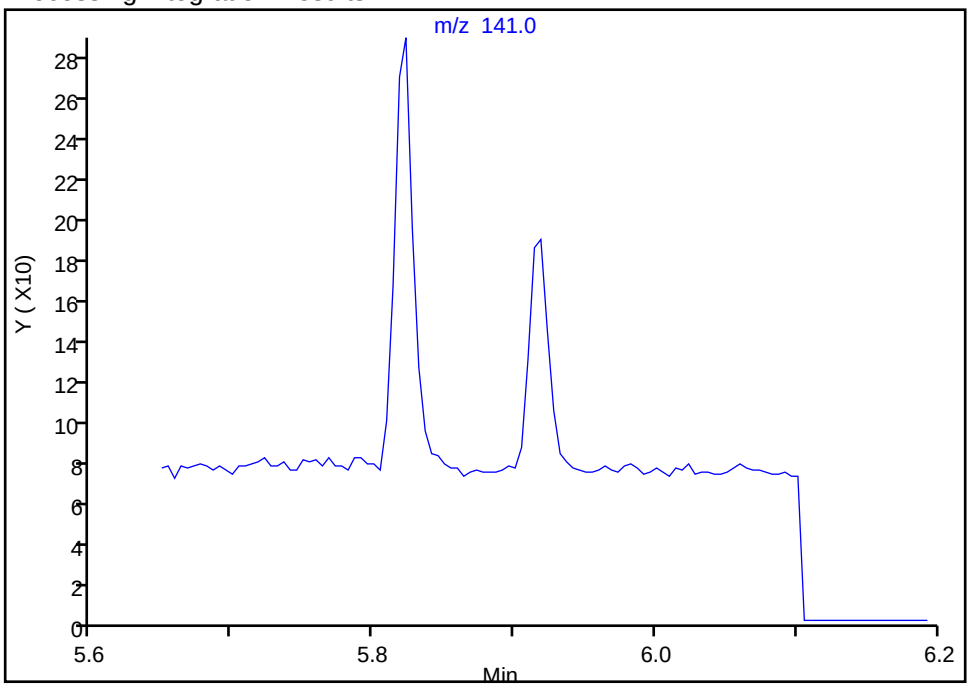
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\SIM031822a009.D				
Injection Date:	18-Mar-2022 14:18:30	Instrument ID:	TAC050		
Lims ID:	580-111294-B-2-A	Lab Sample ID:	580-111294-2		
Client ID:	ERH2772 (Equipment Blank)				
Operator ID:	tl	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

13 1-Methylnaphthalene, CAS: 90-12-0

Signal: 1

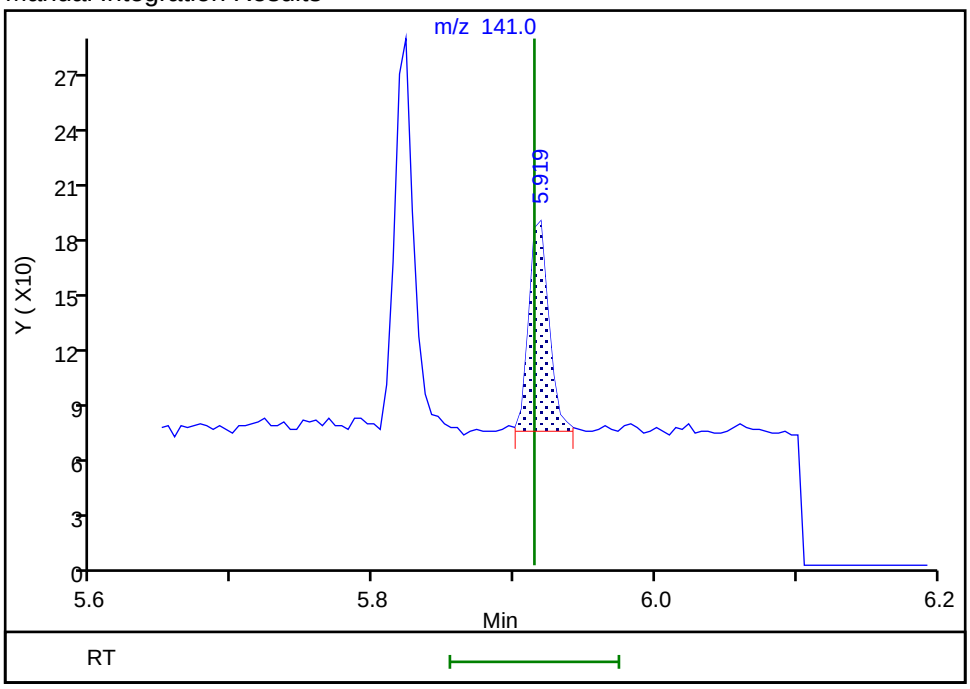
Not Detected
Expected RT: 5.91

Processing Integration Results



Manual Integration Results

RT: 5.92
Area: 110
Amount: 0.919920
Amount Units: ug/L



Reviewer: limwirojt, 21-Mar-2022 08:51:39
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

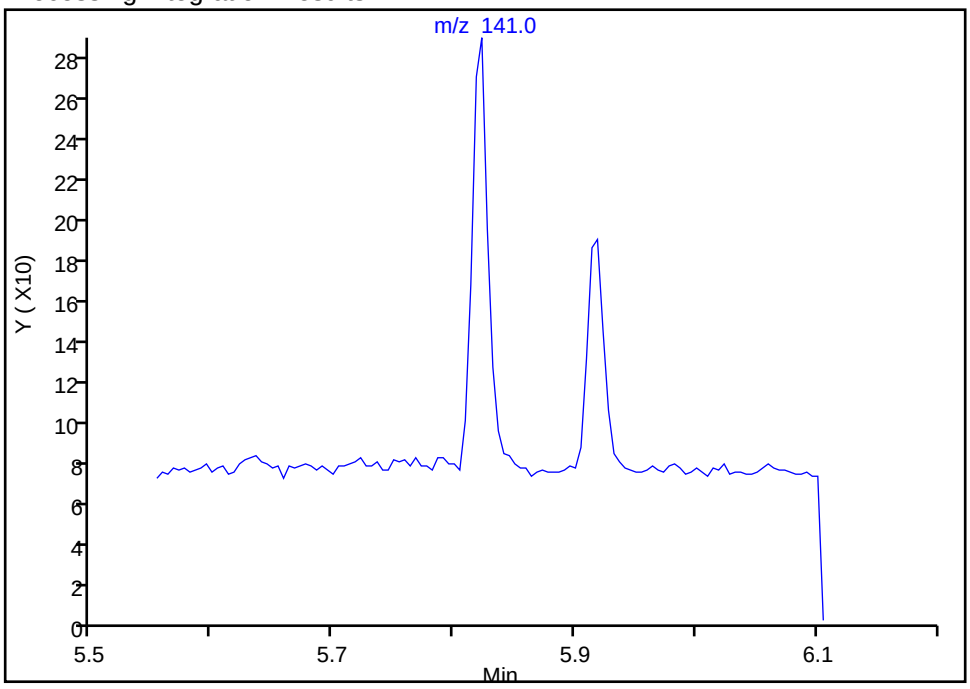
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\SIM031822a009.D				
Injection Date:	18-Mar-2022 14:18:30	Instrument ID:	TAC050		
Lims ID:	580-111294-B-2-A	Lab Sample ID:	580-111294-2		
Client ID:	ERH2772 (Equipment Blank)				
Operator ID:	tl	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

12 2-Methylnaphthalene, CAS: 91-57-6

Signal: 1

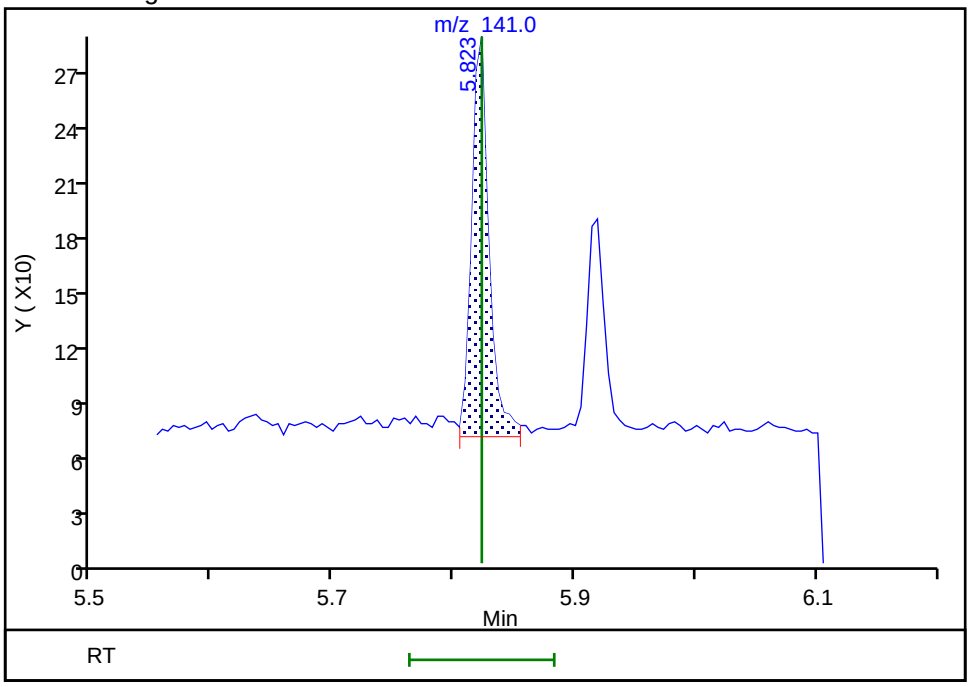
Not Detected
Expected RT: 5.82

Processing Integration Results



Manual Integration Results

RT: 5.82
Area: 211
Amount: 1.709189
Amount Units: ug/L



Reviewer: limwirojt, 21-Mar-2022 08:51:34
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

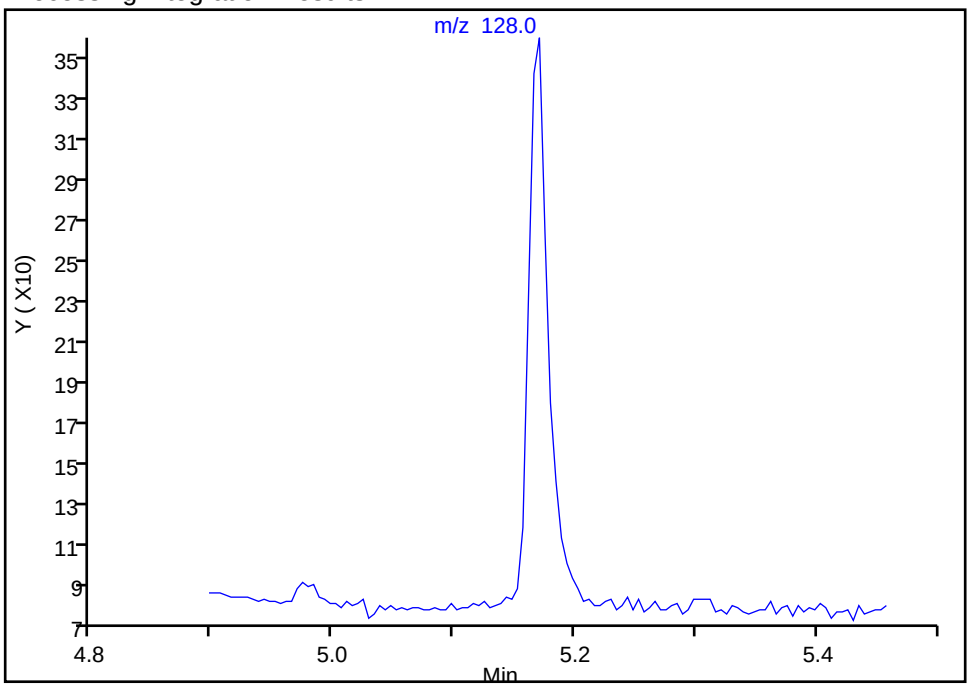
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\SIM031822a009.D				
Injection Date:	18-Mar-2022 14:18:30	Instrument ID:	TAC050		
Lims ID:	580-111294-B-2-A	Lab Sample ID:	580-111294-2		
Client ID:	ERH2772 (Equipment Blank)				
Operator ID:	tl	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

11 Naphthalene, CAS: 91-20-3

Signal: 1

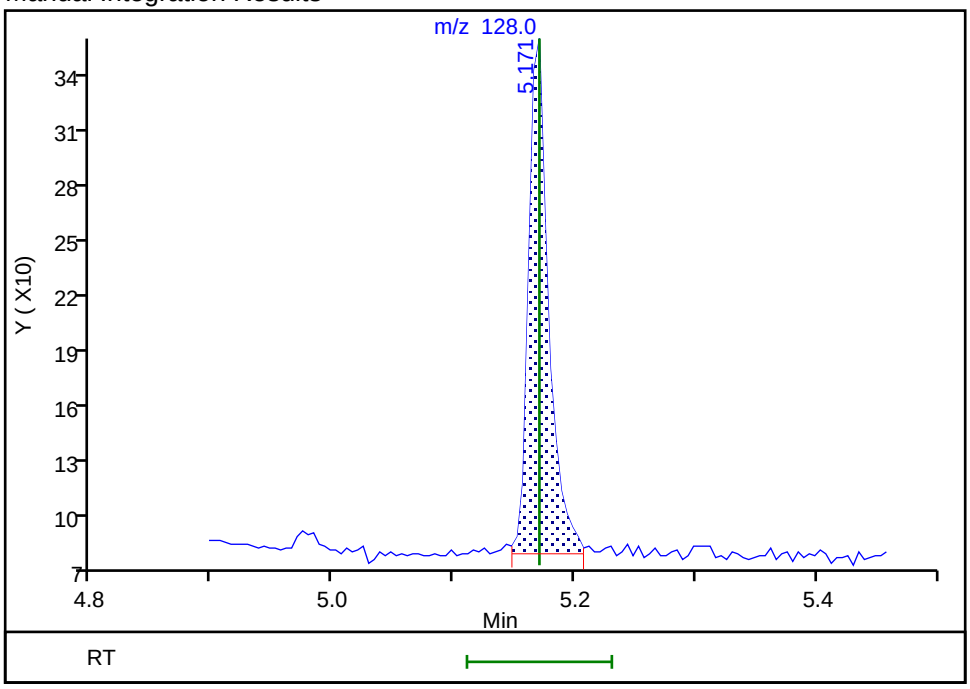
Not Detected
Expected RT: 5.17

Processing Integration Results



Manual Integration Results

RT: 5.17
Area: 309
Amount: 1.419545
Amount Units: ug/L



Reviewer: limwirojt, 21-Mar-2022 08:51:26
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

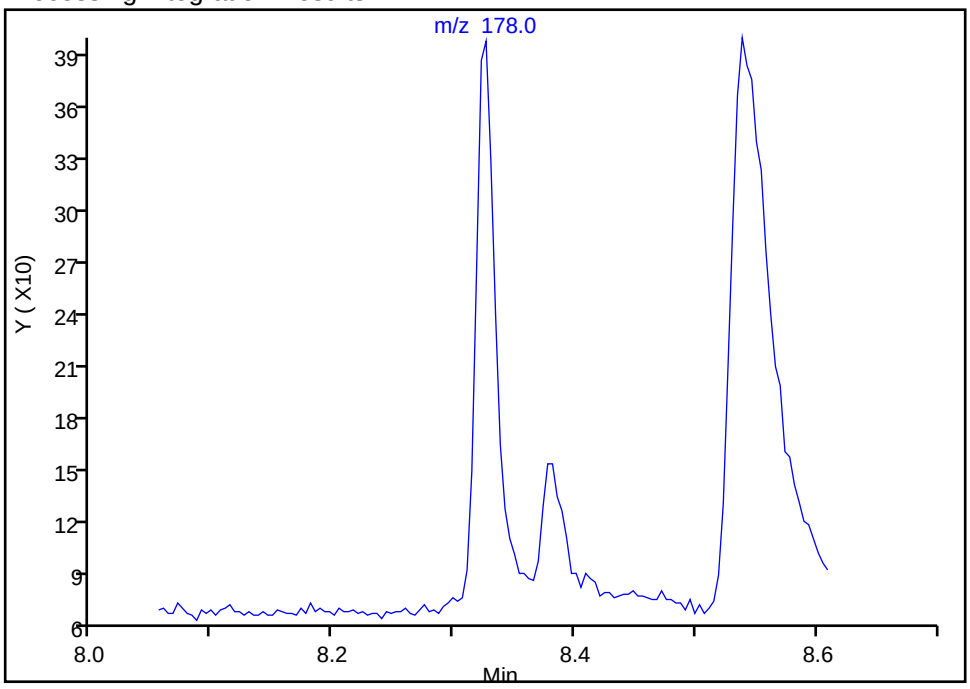
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\SIM031822a009.D				
Injection Date:	18-Mar-2022 14:18:30	Instrument ID:	TAC050		
Lims ID:	580-111294-B-2-A	Lab Sample ID:	580-111294-2		
Client ID:	ERH2772 (Equipment Blank)				
Operator ID:	tl	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

18 Phenanthrene, CAS: 85-01-8

Signal: 1

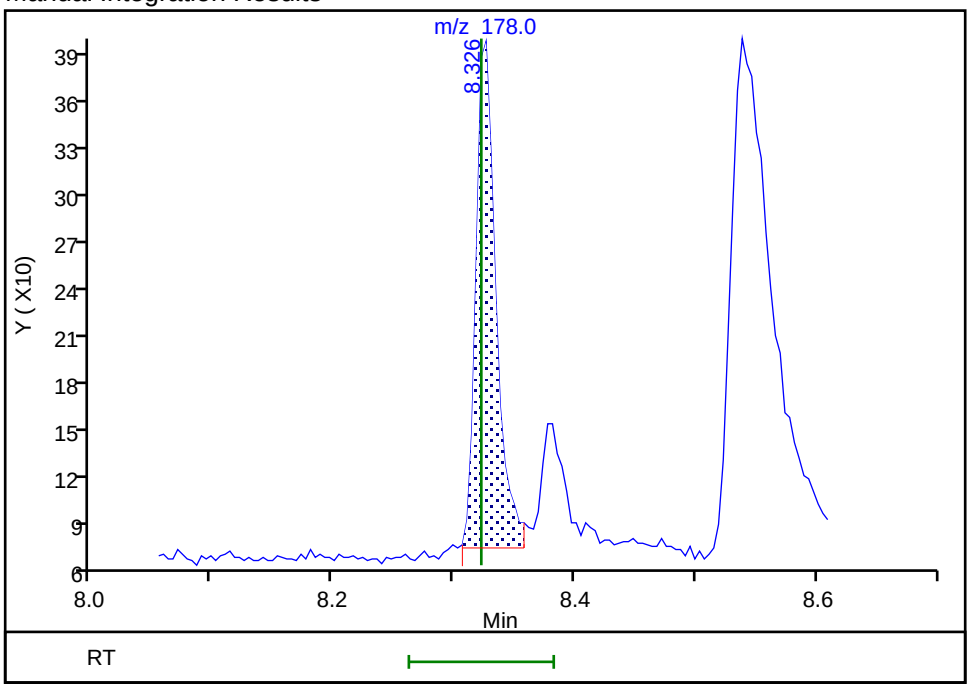
Not Detected
Expected RT: 8.32

Processing Integration Results



Manual Integration Results

RT: 8.33
Area: 369
Amount: 0.776077
Amount Units: ug/L



Reviewer: limwirojt, 21-Mar-2022 08:51:54
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

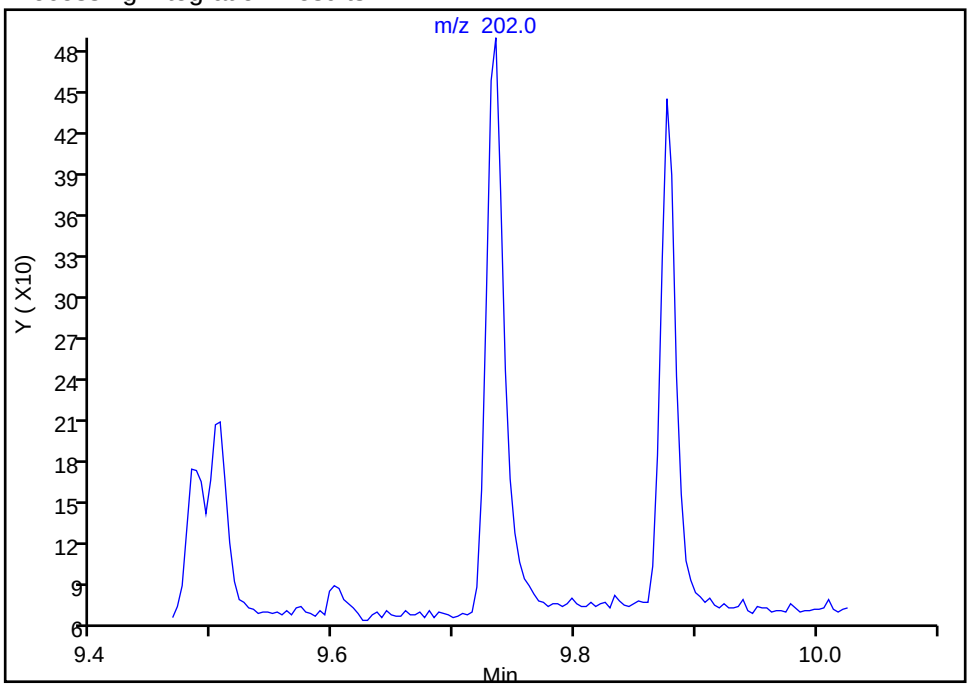
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\SIM031822a009.D				
Injection Date:	18-Mar-2022 14:18:30	Instrument ID:	TAC050		
Lims ID:	580-111294-B-2-A	Lab Sample ID:	580-111294-2		
Client ID:	ERH2772 (Equipment Blank)				
Operator ID:	tl	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

21 Pyrene, CAS: 129-00-0

Signal: 1

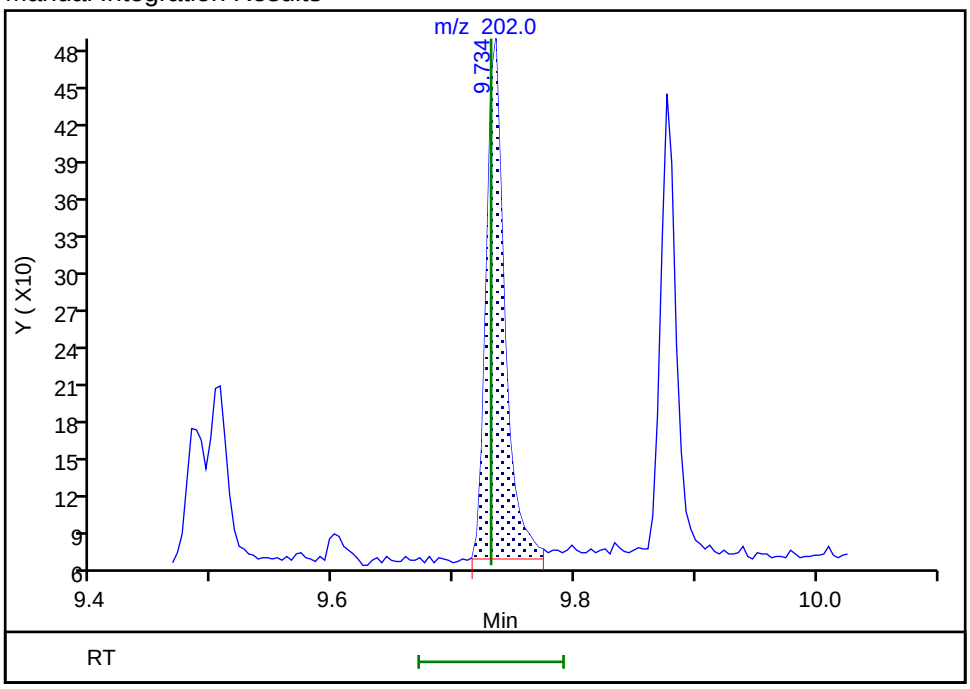
Not Detected
Expected RT: 9.73

Processing Integration Results



Manual Integration Results

RT: 9.73
Area: 443
Amount: 0.970106
Amount Units: ug/L



Reviewer: limwirojt, 21-Mar-2022 08:52:18
Audit Action: Manually Integrated Audit Reason: Assign Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle | Job No.: 580-111294-1

SDG No.:

Client Sample ID: ERH2743 (RHMW13-5) | Lab Sample ID: 580-111294-3

Matrix: Water | Lab File ID: SIM031822a010.D

Analysis Method: 8270E SIM | Date Collected: 03/10/2022 09:15

Extract. Method: 3510C | Date Extracted: 03/17/2022 11:35

Sample wt/vol: 993.9(mL) | Date Analyzed: 03/18/2022 14:38

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 384301 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
90-12-0	1-Methylnaphthalene	0.032	U M	0.10	0.032	0.019
91-57-6	2-Methylnaphthalene	0.080	U M	0.20	0.080	0.039
83-32-9	Acenaphthene	0.032	U	0.10	0.032	0.014
208-96-8	Acenaphthylene	0.032	U M	0.050	0.032	0.0091
120-12-7	Anthracene	0.080	U M	0.10	0.080	0.022
56-55-3	Benzo[a]anthracene	0.032	U M	0.050	0.032	0.014
50-32-8	Benzo[a]pyrene	0.032	U	0.10	0.032	0.011
205-99-2	Benzo[b]fluoranthene	0.032	U	0.050	0.032	0.011
191-24-2	Benzo[g,h,i]perylene	0.032	U	0.050	0.032	0.012
207-08-9	Benzo[k]fluoranthene	0.032	U	0.050	0.032	0.012
218-01-9	Chrysene	0.032	U	0.10	0.032	0.016
53-70-3	Dibenz(a,h)anthracene	0.032	U	0.10	0.032	0.026
206-44-0	Fluoranthene	0.032	U	0.20	0.032	0.018
86-73-7	Fluorene	0.032	U	0.10	0.032	0.017
193-39-5	Indeno[1,2,3-cd]pyrene	0.032	U	0.050	0.032	0.014
91-20-3	Naphthalene	0.080	U M	0.10	0.080	0.031
85-01-8	Phenanthrene	0.080	U M	0.10	0.080	0.031
129-00-0	Pyrene	0.080	U M	0.10	0.080	0.033

CAS NO.	SURROGATE	%REC	Q	LIMITS
7297-45-2	2-methylnaphthalene-d10	58		40-140
93951-69-0	Fluoranthene-d10 (Surr)	79		40-140
1718-51-0	Terphenyl-d14	87		58-132

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\SIM031822a010.D
Lims ID: 580-111294-B-3-A
Client ID: ERH2743 (RHMW13-5)
Sample Type: Client
Inject. Date: 18-Mar-2022 14:38:30 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 580-111294-B-3-A
Operator ID: tl Instrument ID: TAC050

Method: \\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\TAC050_SIM_PAH.m
Limit Group: 8270D_SIM QSM 5.0
Last Update: 21-Mar-2022 08:58:18 Calib Date: 14-Jan-2022 05:04:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D

Column 1 : Det: MS SCAN
Process Host: CTX1643

First Level Reviewer: limwirojt Date: 21-Mar-2022 08:58:18

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 1 Naphthalene-d8	136	5.148	5.148	0.000	90	19615	100.0	
* 2 Acenaphthene-d10	164	6.836	6.836	0.000	70	8718	100.0	
* 3 Phenanthrene-d10	188	8.303	8.299	0.004	56	15349	100.0	
* 4 Chrysene-d12	240	11.012	11.007	0.005	48	12238	100.0	
* 5 Perylene-d12	264	13.061	13.061	0.000	69	13581	100.0	
$ 6 2-methylnaphthalene-d10	152	5.791	5.791	0.000	67	67172	578.9	
$ 10 2-Fluorobiphenyl	172	6.170	6.170	0.000	0	82044	588.1	Ma
$ 7 2,4,6-Tribromophenol	330	7.614	7.614	0.000	58	17874	752.1	
$ 8 Fluoranthene-d10 (Surr)	212	9.487	9.486	0.001	68	124712	786.3	
$ 9 Terphenyl-d14	244	9.880	9.880	0.000	94	106727	867.6	
11 Naphthalene	128	5.171	5.171	0.000	88	404	1.95	M
12 2-Methylnaphthalene	141	5.823	5.823	0.000	97	163	1.39	Ma
13 1-Methylnaphthalene	141	5.919	5.914	0.005	87	91	0.7985	M
14 Acenaphthylene	152	6.700	6.695	0.005	98	61	0.3310	M
18 Phenanthrene	178	8.326	8.322	0.004	100	307	0.4533	M
21 Pyrene	202	9.735	9.731	0.004	49	311	0.3109	Ma

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

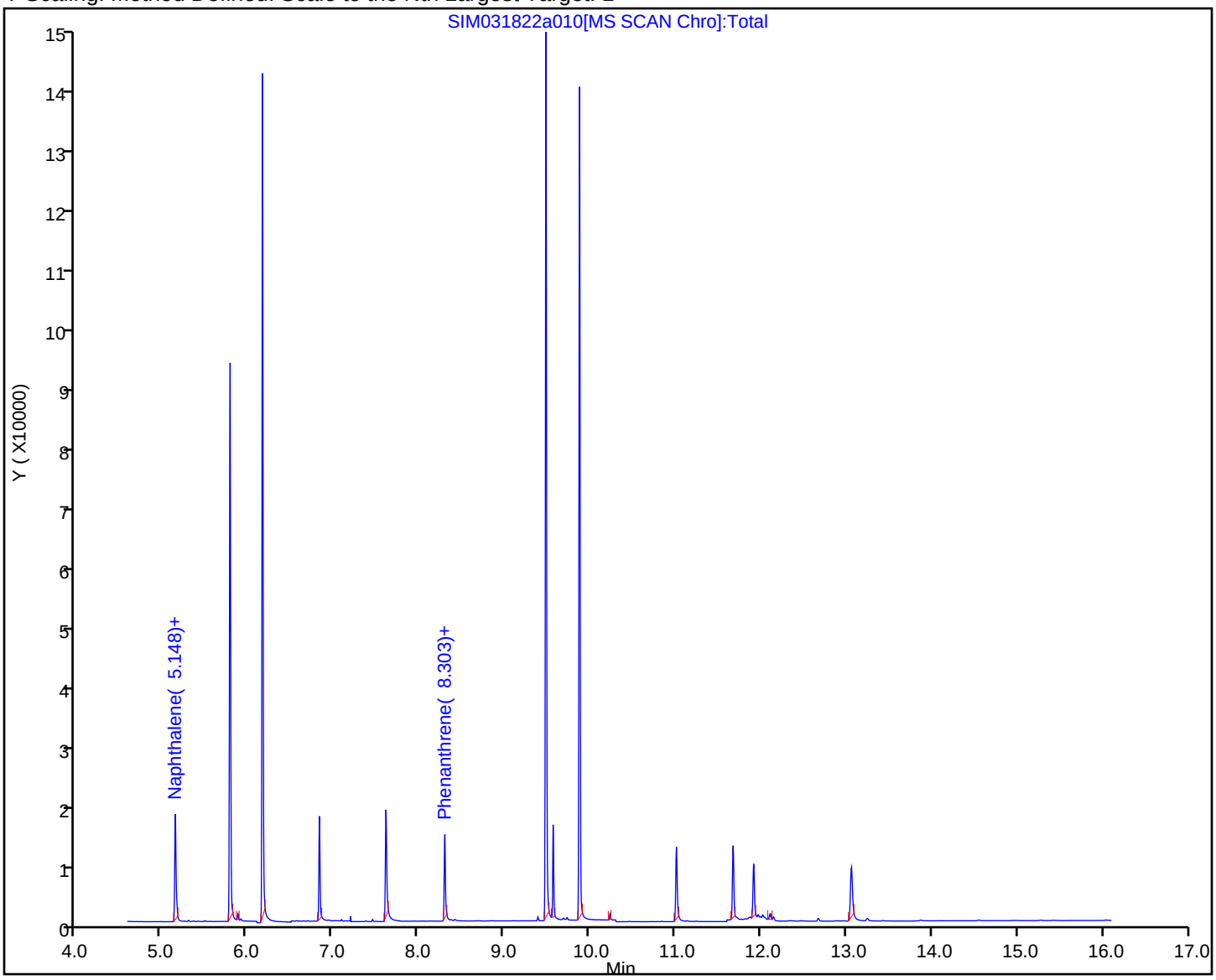
8270SIM_IS_00069 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 21-Mar-2022 08:58:18 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Seattle

Data File:	\\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\SIM031822a010.D				
Injection Date:	18-Mar-2022 14:38:30	Instrument ID:	TAC050		
Lims ID:	580-111294-B-3-A	Lab Sample ID:	580-111294-3		
Client ID:	ERH2743 (RHMW13-5)				
Operator ID:	tl	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle
Recovery Report

Data File: \\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\SIM031822a010.D
Lims ID: 580-111294-B-3-A
Client ID: ERH2743 (RHMW13-5)
Sample Type: Client
Inject. Date: 18-Mar-2022 14:38:30 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 580-111294-B-3-A
Operator ID: tl Instrument ID: TAC050

Method: \\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\TAC050_SIM_PAH.m
Limit Group: 8270D_SIM QSM 5.0
Last Update: 21-Mar-2022 08:58:18 Calib Date: 14-Jan-2022 05:04:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D

Column 1 : Det: MS SCAN
Process Host: CTX1643

First Level Reviewer: limwirojt Date: 21-Mar-2022 08:58:18

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 2-methylnaphthalene-d10	1000.0	578.9	57.89
$ 10 2-Fluorobiphenyl	1000.0	588.1	58.81
$ 7 2,4,6-Tribromophenol	1000.0	752.1	75.21
$ 8 Fluoranthene-d10 (Surr)	1000.0	786.3	78.63
$ 9 Terphenyl-d14	1000.0	867.6	86.76

Manual Integration/User Assign Peak Report

Eurofins Seattle

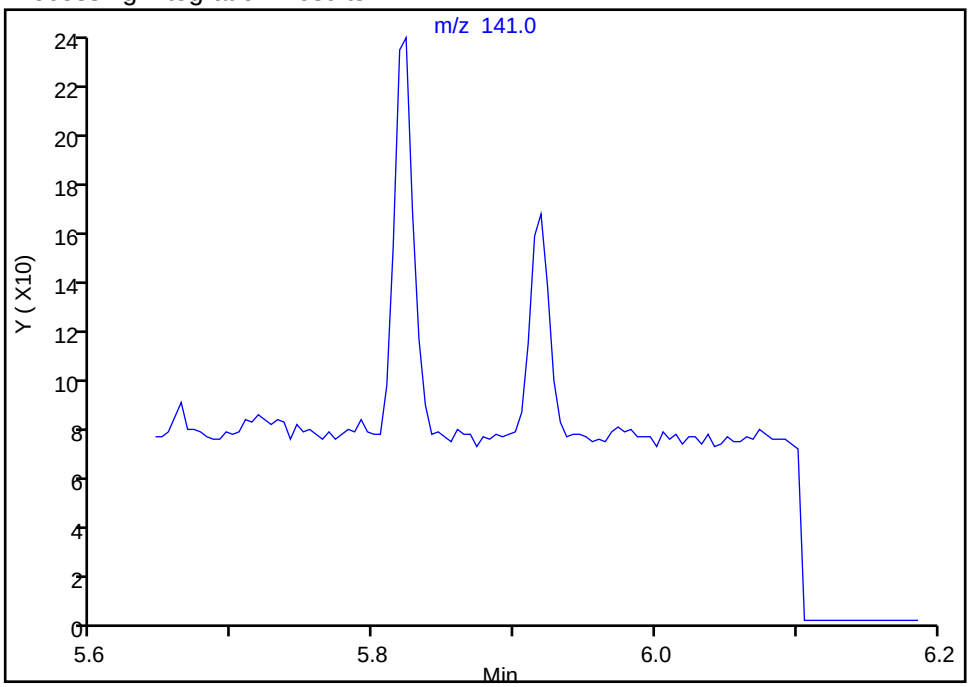
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\SIM031822a010.D				
Injection Date:	18-Mar-2022 14:38:30	Instrument ID:	TAC050		
Lims ID:	580-111294-B-3-A	Lab Sample ID:	580-111294-3		
Client ID:	ERH2743 (RHMW13-5)				
Operator ID:	tl	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

13 1-Methylnaphthalene, CAS: 90-12-0

Signal: 1

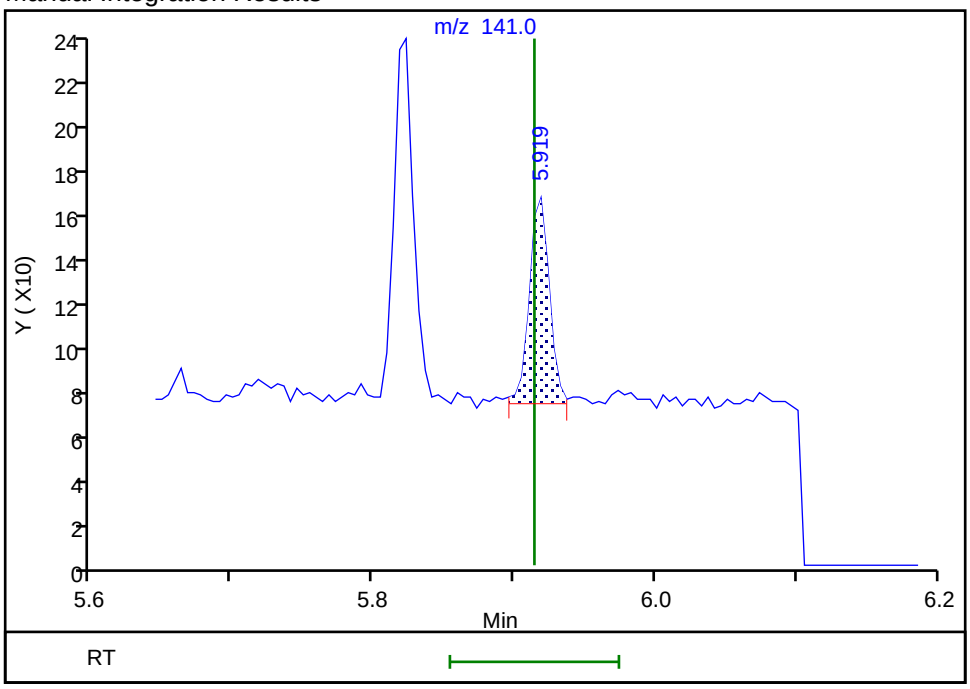
Not Detected
Expected RT: 5.91

Processing Integration Results



Manual Integration Results

RT: 5.92
Area: 91
Amount: 0.798503
Amount Units: ug/L



Reviewer: limwirojt, 21-Mar-2022 08:57:18
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

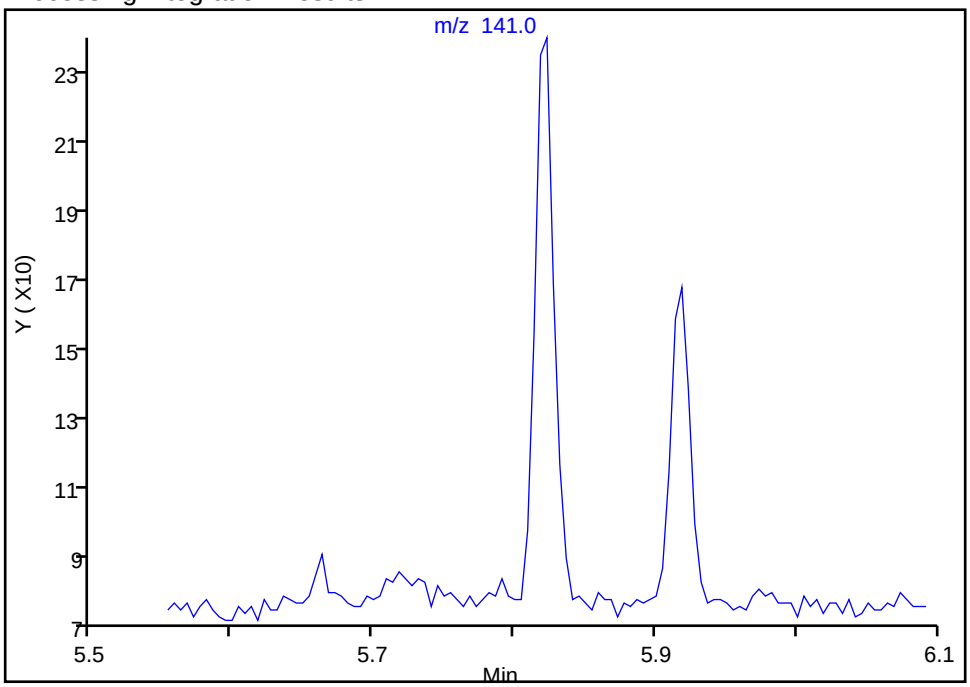
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\SIM031822a010.D				
Injection Date:	18-Mar-2022 14:38:30	Instrument ID:	TAC050		
Lims ID:	580-111294-B-3-A	Lab Sample ID:	580-111294-3		
Client ID:	ERH2743 (RHMW13-5)				
Operator ID:	tl	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

12 2-Methylnaphthalene, CAS: 91-57-6

Signal: 1

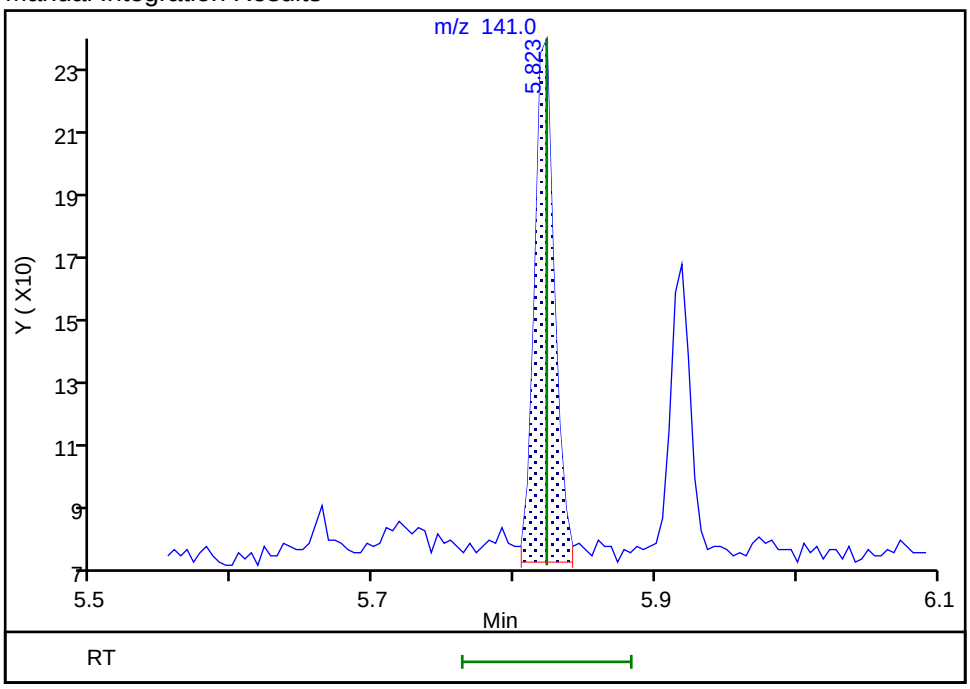
Not Detected
Expected RT: 5.82

Processing Integration Results



Manual Integration Results

RT: 5.82
Area: 163
Amount: 1.385394
Amount Units: ug/L



Reviewer: limwirojt, 21-Mar-2022 08:57:09
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

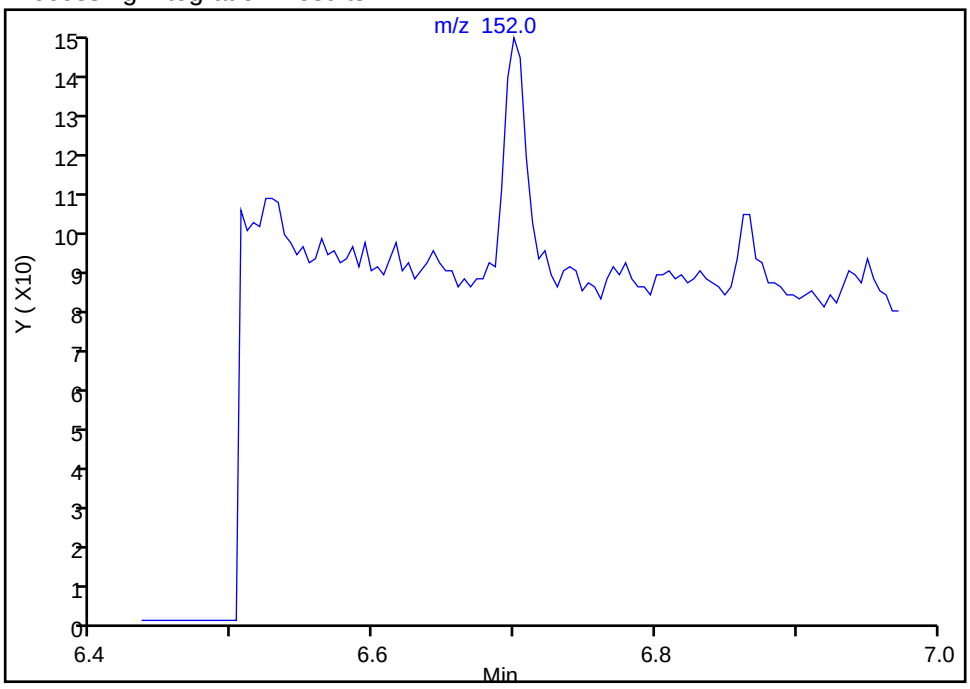
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\SIM031822a010.D				
Injection Date:	18-Mar-2022 14:38:30	Instrument ID:	TAC050		
Lims ID:	580-111294-B-3-A	Lab Sample ID:	580-111294-3		
Client ID:	ERH2743 (RHMW13-5)				
Operator ID:	tl	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

14 Acenaphthylene, CAS: 208-96-8

Signal: 1

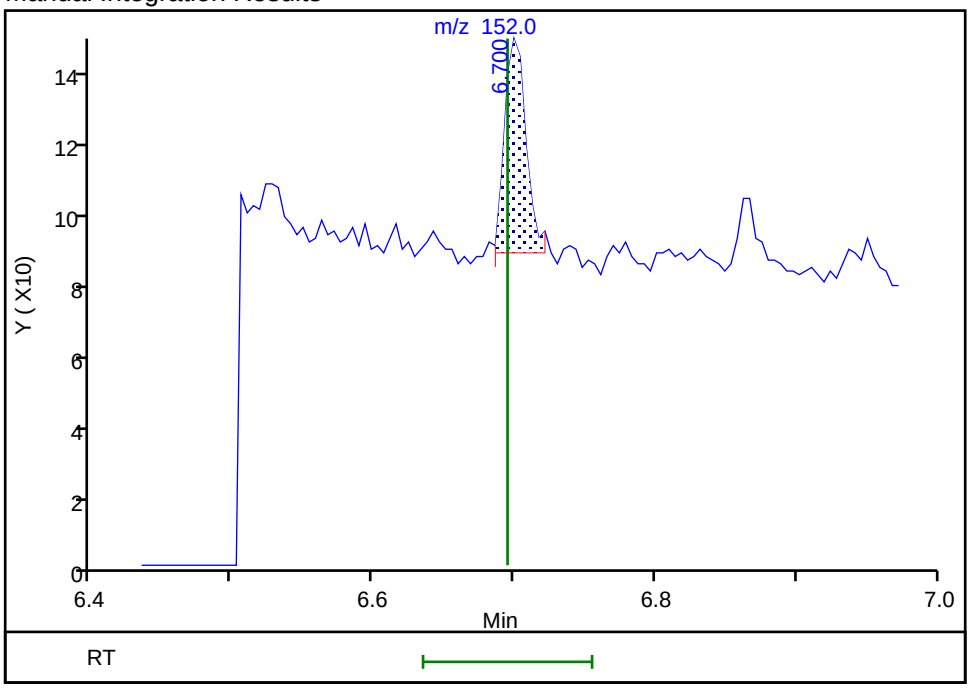
Not Detected
Expected RT: 6.69

Processing Integration Results



Manual Integration Results

RT: 6.70
Area: 61
Amount: 0.330963
Amount Units: ug/L



Reviewer: limwirojt, 21-Mar-2022 08:57:22
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

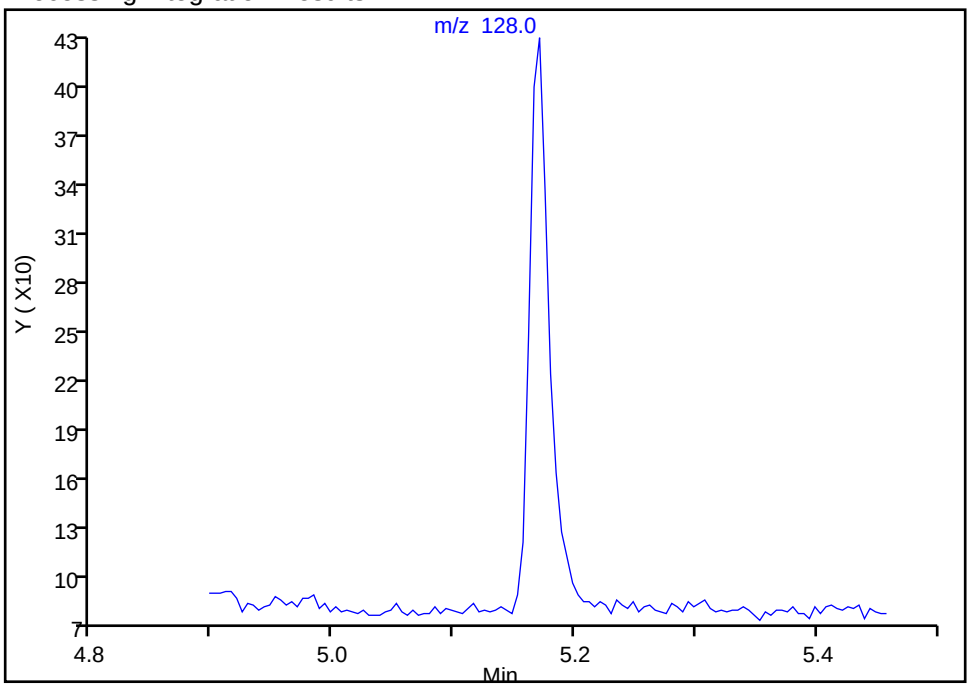
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\SIM031822a010.D				
Injection Date:	18-Mar-2022 14:38:30	Instrument ID:	TAC050		
Lims ID:	580-111294-B-3-A	Lab Sample ID:	580-111294-3		
Client ID:	ERH2743 (RHMW13-5)				
Operator ID:	tl	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

11 Naphthalene, CAS: 91-20-3

Signal: 1

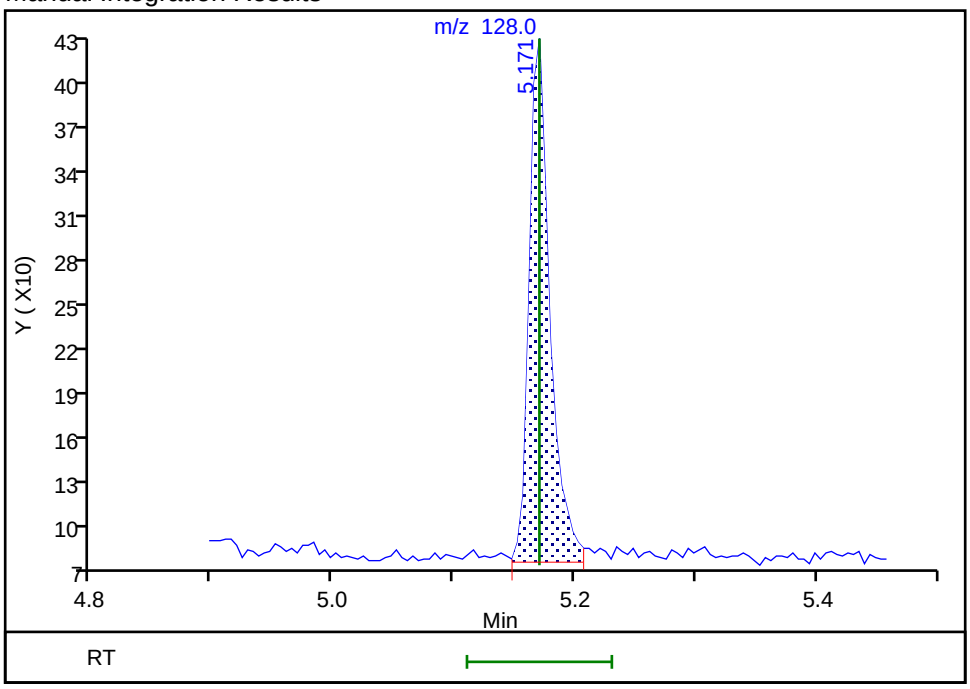
Not Detected
Expected RT: 5.17

Processing Integration Results



Manual Integration Results

RT: 5.17
Area: 404
Amount: 1.947378
Amount Units: ug/L



Reviewer: limwirojt, 21-Mar-2022 08:56:36
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

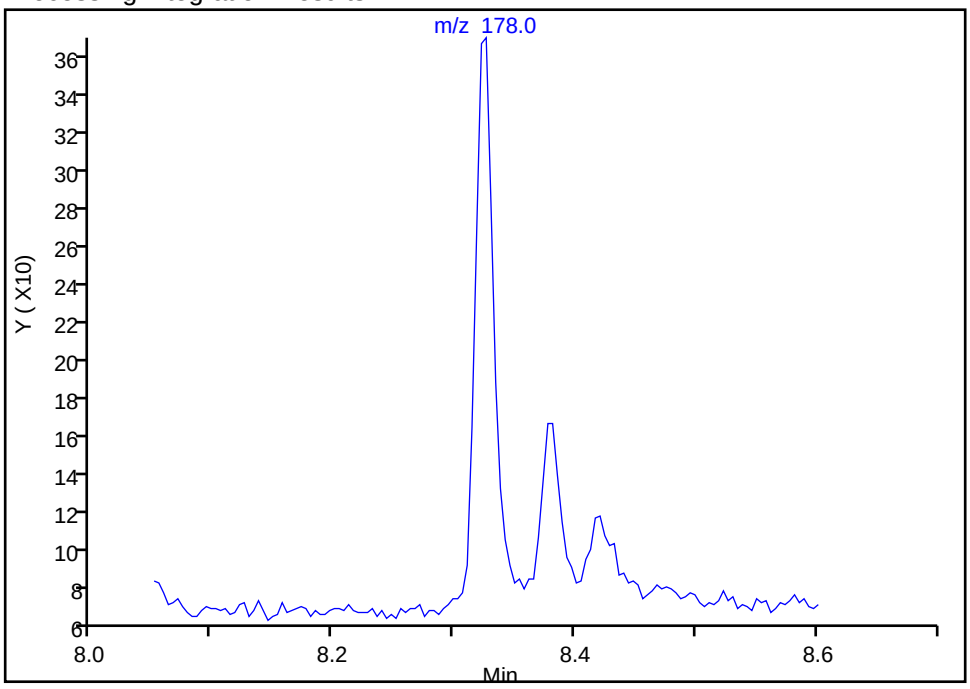
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\SIM031822a010.D				
Injection Date:	18-Mar-2022 14:38:30	Instrument ID:	TAC050		
Lims ID:	580-111294-B-3-A	Lab Sample ID:	580-111294-3		
Client ID:	ERH2743 (RHMW13-5)				
Operator ID:	tl	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

18 Phenanthrene, CAS: 85-01-8

Signal: 1

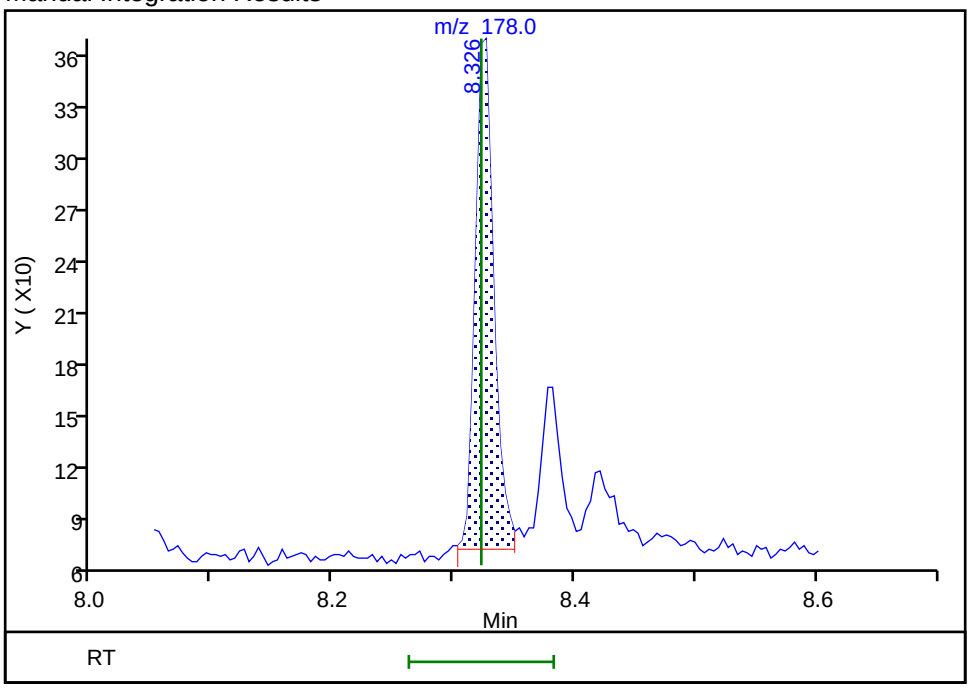
Not Detected
Expected RT: 8.32

Processing Integration Results



Manual Integration Results

RT: 8.33
Area: 307
Amount: 0.453320
Amount Units: ug/L



Reviewer: limwirojt, 21-Mar-2022 08:57:36
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

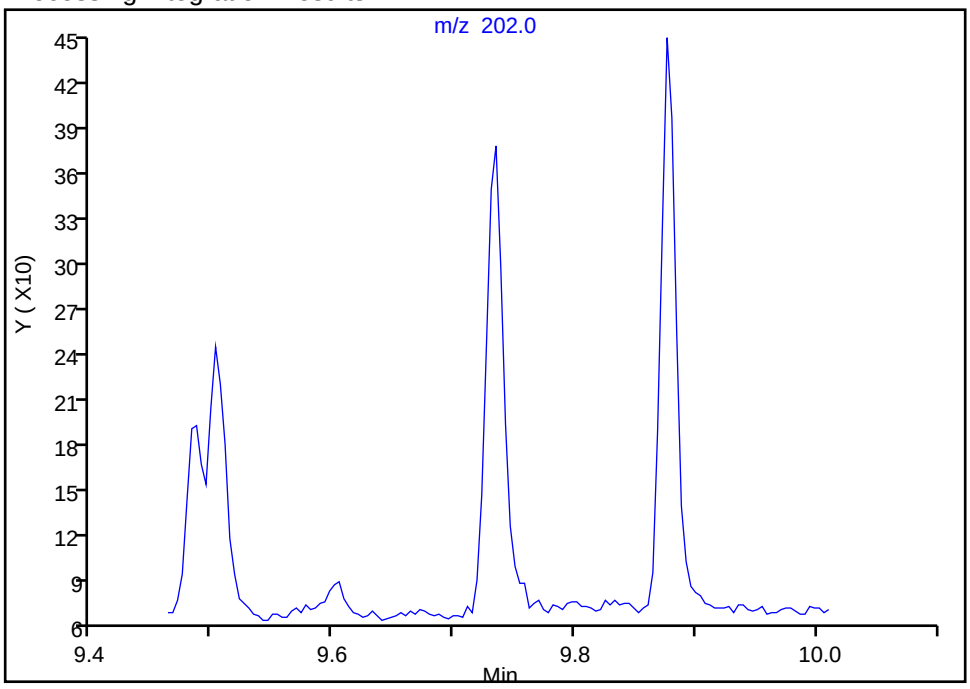
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\SIM031822a010.D				
Injection Date:	18-Mar-2022 14:38:30	Instrument ID:	TAC050		
Lims ID:	580-111294-B-3-A	Lab Sample ID:	580-111294-3		
Client ID:	ERH2743 (RHMW13-5)				
Operator ID:	tl	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

21 Pyrene, CAS: 129-00-0

Signal: 1

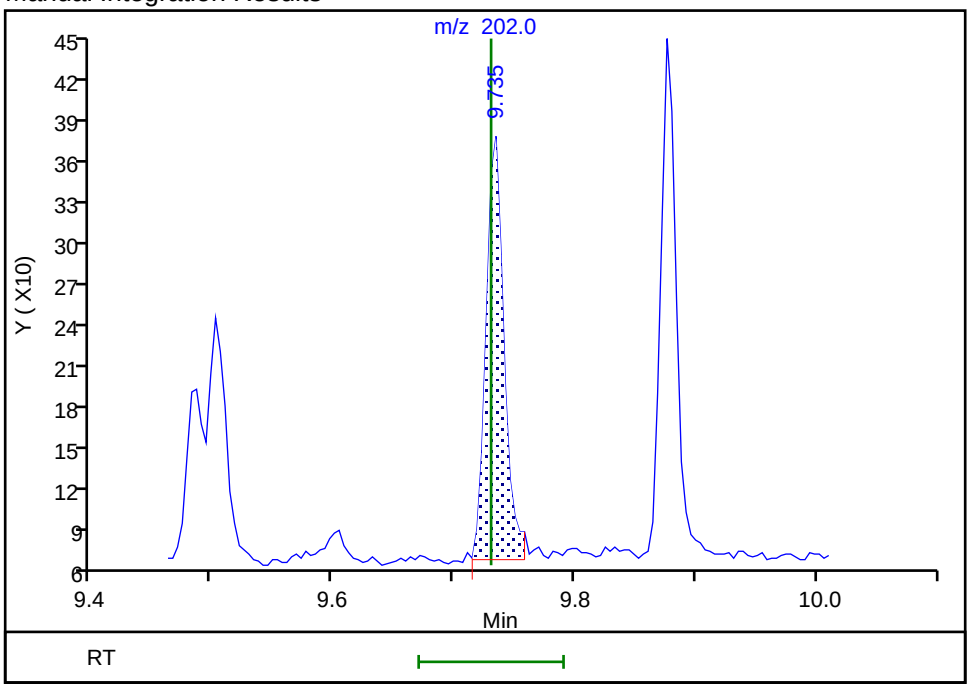
Not Detected
Expected RT: 9.73

Processing Integration Results



Manual Integration Results

RT: 9.73
Area: 311
Amount: 0.310863
Amount Units: ug/L



Reviewer: limwirojt, 21-Mar-2022 08:58:01
Audit Action: Manually Integrated Audit Reason: Assign Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle | Job No.: 580-111294-1

SDG No.:

Client Sample ID: ERH2744 (RHMW13-5) | Lab Sample ID: 580-111294-4

Matrix: Water | Lab File ID: SIM031822a011.D

Analysis Method: 8270E SIM | Date Collected: 03/10/2022 12:44

Extract. Method: 3510C | Date Extracted: 03/17/2022 11:35

Sample wt/vol: 1043.5(mL) | Date Analyzed: 03/18/2022 14:57

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 384301 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
90-12-0	1-Methylnaphthalene	0.031	U M	0.096	0.031	0.018
91-57-6	2-Methylnaphthalene	0.077	U M	0.19	0.077	0.037
83-32-9	Acenaphthene	0.031	U M	0.096	0.031	0.013
208-96-8	Acenaphthylene	0.031	U M	0.048	0.031	0.0086
120-12-7	Anthracene	0.077	U	0.096	0.077	0.021
56-55-3	Benzo[a]anthracene	0.031	U	0.048	0.031	0.013
50-32-8	Benzo[a]pyrene	0.031	U	0.096	0.031	0.011
205-99-2	Benzo[b]fluoranthene	0.031	U	0.048	0.031	0.011
191-24-2	Benzo[g,h,i]perylene	0.031	U	0.048	0.031	0.011
207-08-9	Benzo[k]fluoranthene	0.031	U	0.048	0.031	0.011
218-01-9	Chrysene	0.031	U	0.096	0.031	0.015
53-70-3	Dibenz(a,h)anthracene	0.031	U	0.096	0.031	0.025
206-44-0	Fluoranthene	0.031	U M	0.19	0.031	0.017
86-73-7	Fluorene	0.031	U	0.096	0.031	0.016
193-39-5	Indeno[1,2,3-cd]pyrene	0.031	U	0.048	0.031	0.013
91-20-3	Naphthalene	0.077	U M	0.096	0.077	0.030
85-01-8	Phenanthrene	0.077	U M	0.096	0.077	0.030
129-00-0	Pyrene	0.077	U M	0.096	0.077	0.032

CAS NO.	SURROGATE	%REC	Q	LIMITS
7297-45-2	2-methylnaphthalene-d10	52		40-140
93951-69-0	Fluoranthene-d10 (Surr)	76		40-140
1718-51-0	Terphenyl-d14	87		58-132

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\SIM031822a011.D
Lims ID: 580-111294-B-4-A
Client ID: ERH2744 (RHMW13-5)
Sample Type: Client
Inject. Date: 18-Mar-2022 14:57:30 ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 580-111294-B-4-A
Operator ID: tl Instrument ID: TAC050

Method: \\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\TAC050_SIM_PAH.m
Limit Group: 8270D_SIM QSM 5.0
Last Update: 21-Mar-2022 09:01:50 Calib Date: 14-Jan-2022 05:04:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D

Column 1 : Det: MS SCAN
Process Host: CTX1643

First Level Reviewer: limwirojt Date: 21-Mar-2022 09:01:50

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 1 Naphthalene-d8	136	5.148	5.148	0.000	90	20160	100.0	
* 2 Acenaphthene-d10	164	6.836	6.836	0.000	70	8967	100.0	
* 3 Phenanthrene-d10	188	8.303	8.299	0.004	56	15510	100.0	
* 4 Chrysene-d12	240	11.012	11.007	0.005	49	12486	100.0	
* 5 Perylene-d12	264	13.061	13.061	0.000	69	13745	100.0	
$ 6 2-methylnaphthalene-d10	152	5.791	5.791	0.000	67	62472	523.8	
$ 10 2-Fluorobiphenyl	172	6.170	6.170	0.000	0	76212	531.1	Ma
$ 7 2,4,6-Tribromophenol	330	7.614	7.614	0.000	58	14679	604.9	
$ 8 Fluoranthene-d10 (Surr)	212	9.486	9.486	0.000	68	121405	757.4	
$ 9 Terphenyl-d14	244	9.880	9.880	0.000	94	108109	869.7	
11 Naphthalene	128	5.171	5.171	0.000	88	466	2.19	a
12 2-Methylnaphthalene	141	5.823	5.823	0.000	95	175	1.45	M
13 1-Methylnaphthalene	141	5.919	5.914	0.005	95	114	0.9733	M
14 Acenaphthylene	152	6.699	6.695	0.004	96	53	0.2796	M
15 Acenaphthene	153	6.867	6.867	0.000	69	25	0.2101	M
21 Pyrene	202	9.734	9.731	0.003	49	325	0.3638	M

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

8270SIM_IS_00069 Amount Added: 10.00 Units: uL Run Reagent

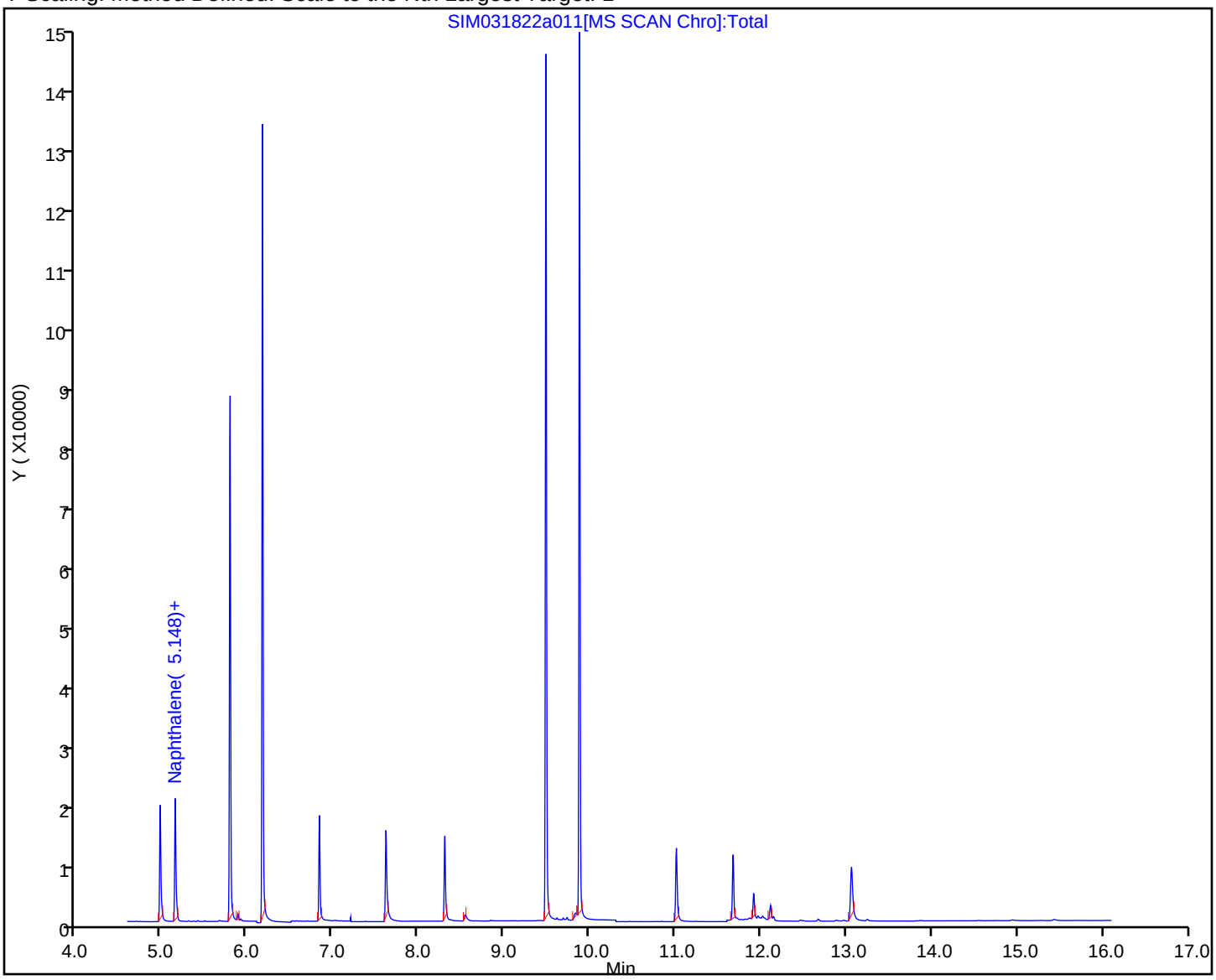
Report Date: 21-Mar-2022 09:01:51 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\SIM031822a011.D

Injection Date:	18-Mar-2022 14:57:30	Instrument ID:	TAC050		
Lims ID:	580-111294-B-4-A	Lab Sample ID:	580-111294-4		
Client ID:	ERH2744 (RHMW13-5)				
Operator ID:	tl	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle
Recovery Report

Data File: \\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\SIM031822a011.D
Lims ID: 580-111294-B-4-A
Client ID: ERH2744 (RHMW13-5)
Sample Type: Client
Inject. Date: 18-Mar-2022 14:57:30 ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 580-111294-B-4-A
Operator ID: tl Instrument ID: TAC050

Method: \\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\TAC050_SIM_PAH.m
Limit Group: 8270D_SIM QSM 5.0
Last Update: 21-Mar-2022 09:01:50 Calib Date: 14-Jan-2022 05:04:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D

Column 1 : Det: MS SCAN
Process Host: CTX1643

First Level Reviewer: limwirojt Date: 21-Mar-2022 09:01:50

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 2-methylnaphthalene-d10	1000.0	523.8	52.38
$ 10 2-Fluorobiphenyl	1000.0	531.1	53.11
$ 7 2,4,6-Tribromophenol	1000.0	604.9	60.49
$ 8 Fluoranthene-d10 (Surr)	1000.0	757.4	75.74
$ 9 Terphenyl-d14	1000.0	869.7	86.97

Manual Integration/User Assign Peak Report

Eurofins Seattle

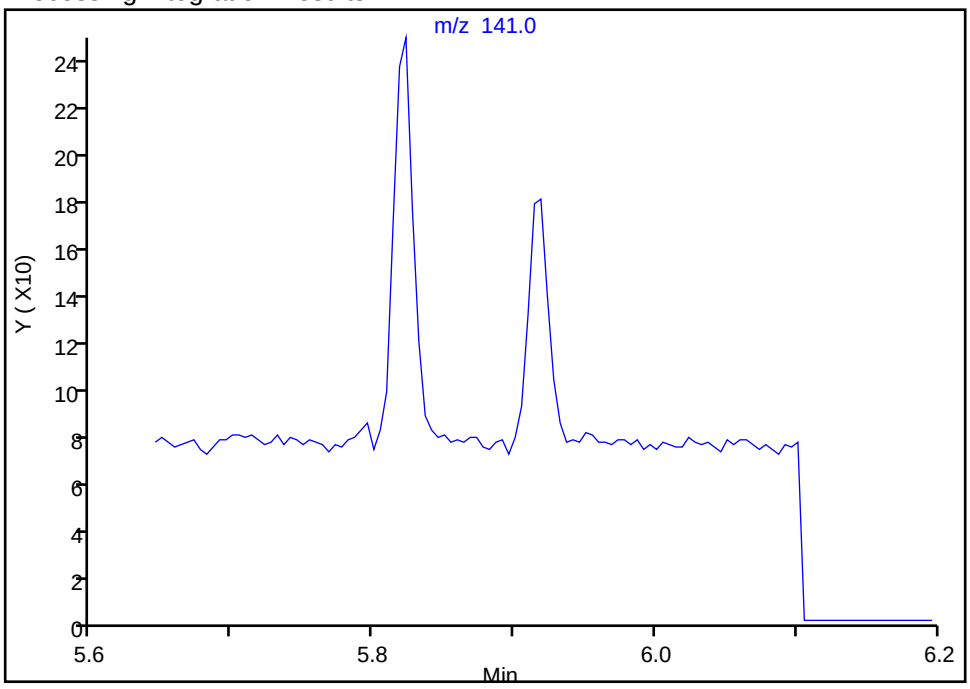
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\SIM031822a011.D				
Injection Date:	18-Mar-2022 14:57:30	Instrument ID:	TAC050		
Lims ID:	580-111294-B-4-A	Lab Sample ID:	580-111294-4		
Client ID:	ERH2744 (RHMW13-5)				
Operator ID:	tl	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

13 1-Methylnaphthalene, CAS: 90-12-0

Signal: 1

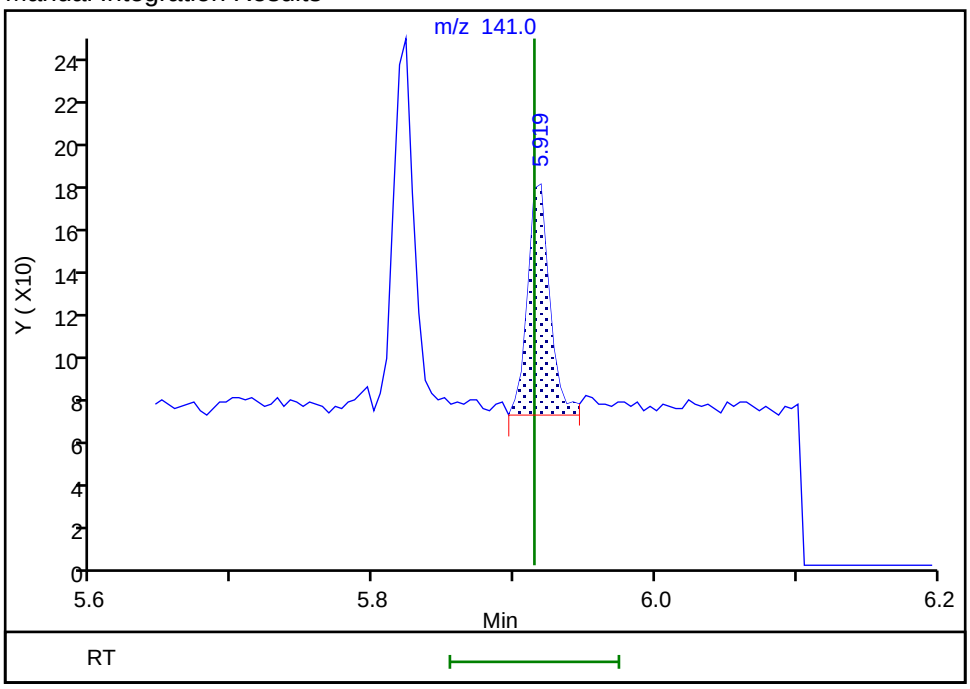
Not Detected
Expected RT: 5.91

Processing Integration Results



Manual Integration Results

RT: 5.92
Area: 114
Amount: 0.973280
Amount Units: ug/L



Reviewer: limwirojt, 21-Mar-2022 08:58:55
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

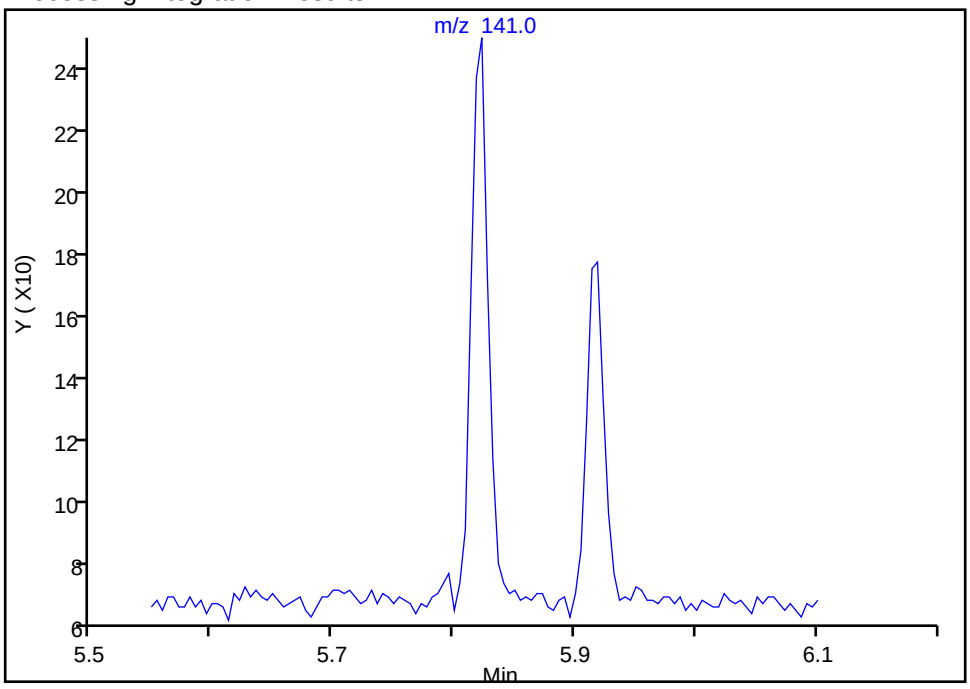
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\SIM031822a011.D				
Injection Date:	18-Mar-2022 14:57:30	Instrument ID:	TAC050		
Lims ID:	580-111294-B-4-A	Lab Sample ID:	580-111294-4		
Client ID:	ERH2744 (RHMW13-5)				
Operator ID:	tl	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

12 2-Methylnaphthalene, CAS: 91-57-6

Signal: 1

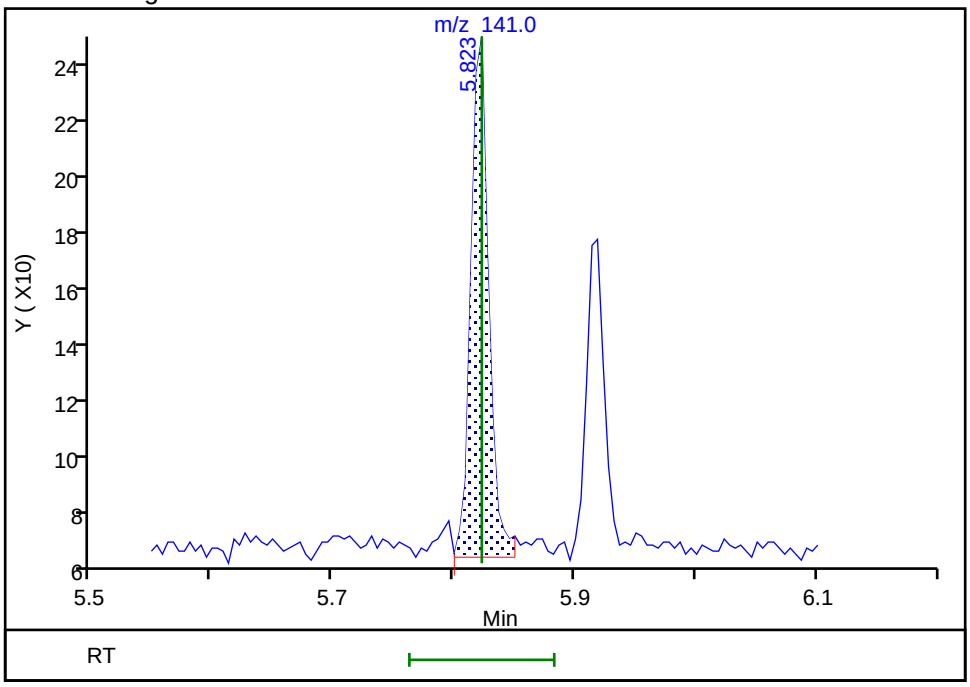
Not Detected
Expected RT: 5.82

Processing Integration Results



Manual Integration Results

RT: 5.82
Area: 175
Amount: 1.447177
Amount Units: ug/L



Reviewer: limwirojt, 21-Mar-2022 08:58:50
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

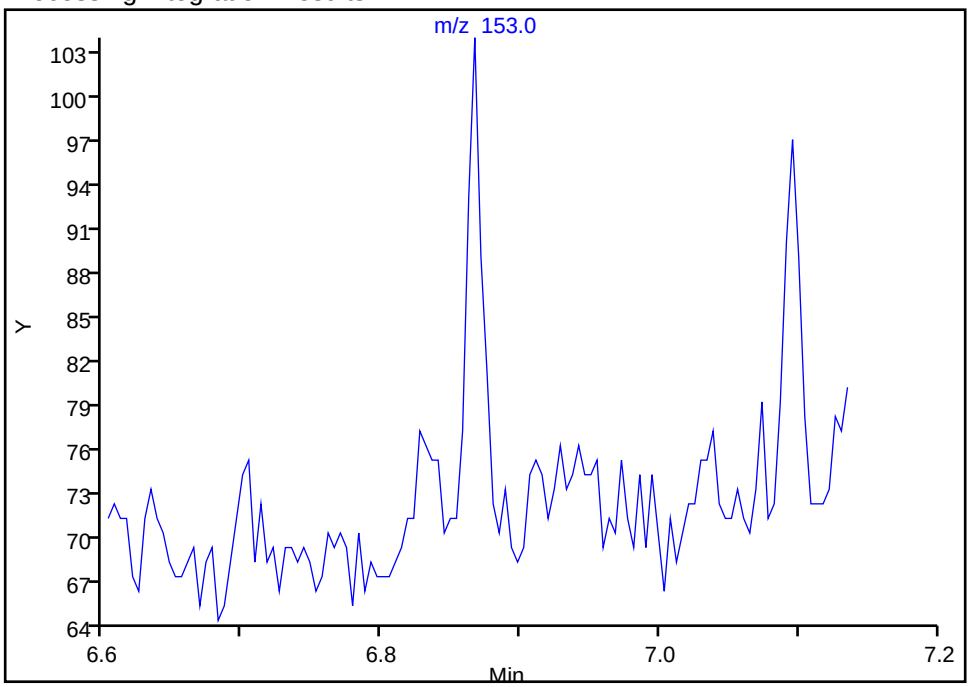
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\SIM031822a011.D				
Injection Date:	18-Mar-2022 14:57:30	Instrument ID:	TAC050		
Lims ID:	580-111294-B-4-A	Lab Sample ID:	580-111294-4		
Client ID:	ERH2744 (RHMW13-5)				
Operator ID:	tl	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

15 Acenaphthene, CAS: 83-32-9

Signal: 1

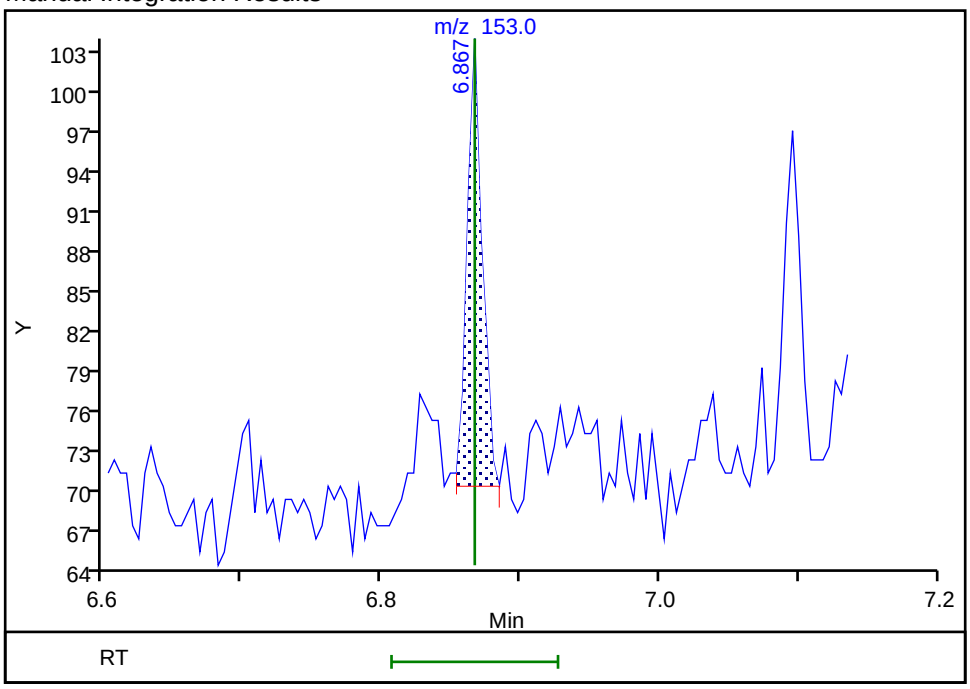
Not Detected
Expected RT: 6.87

Processing Integration Results



Manual Integration Results

RT: 6.87
Area: 25
Amount: 0.210141
Amount Units: ug/L



Reviewer: limwirojt, 21-Mar-2022 09:01:12
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

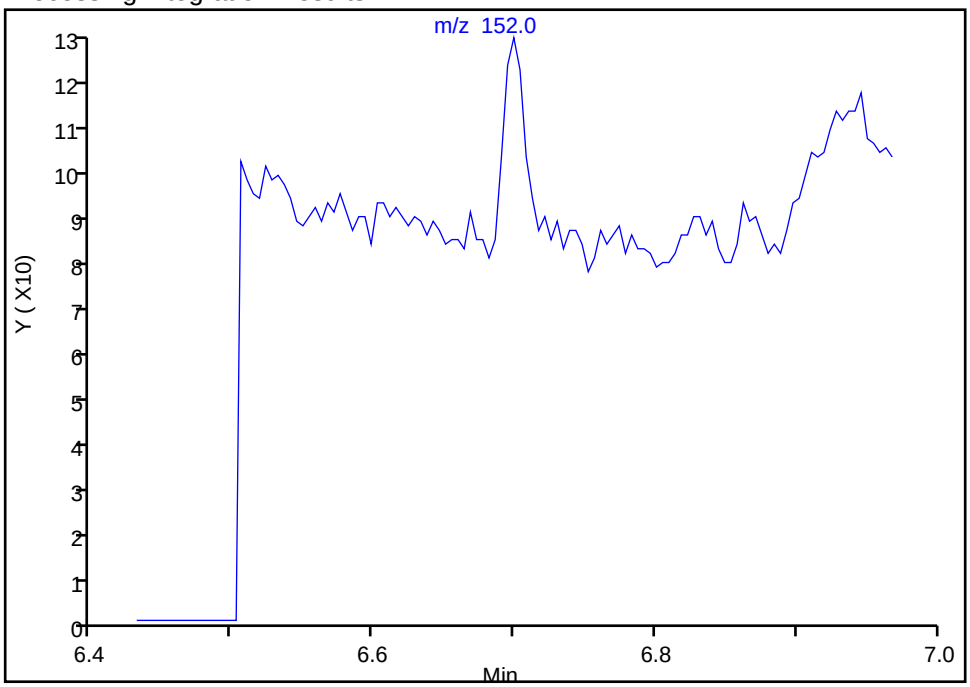
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\SIM031822a011.D				
Injection Date:	18-Mar-2022 14:57:30	Instrument ID:	TAC050		
Lims ID:	580-111294-B-4-A	Lab Sample ID:	580-111294-4		
Client ID:	ERH2744 (RHMW13-5)				
Operator ID:	tl	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

14 Acenaphthylene, CAS: 208-96-8

Signal: 1

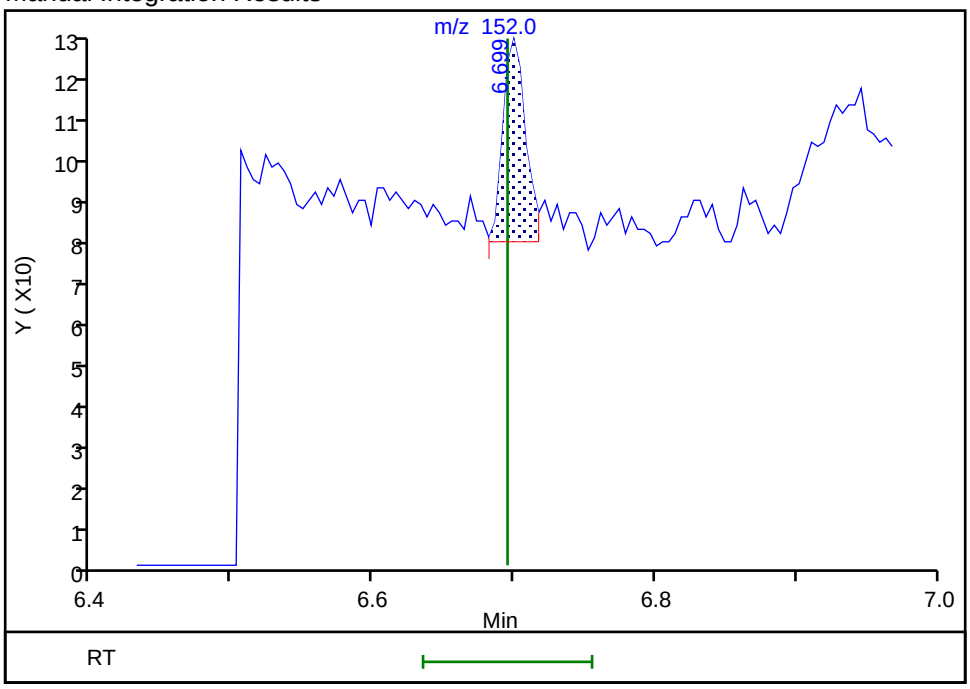
Not Detected
Expected RT: 6.69

Processing Integration Results



Manual Integration Results

RT: 6.70
Area: 53
Amount: 0.279573
Amount Units: ug/L



Reviewer: limwirojt, 21-Mar-2022 08:59:00
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

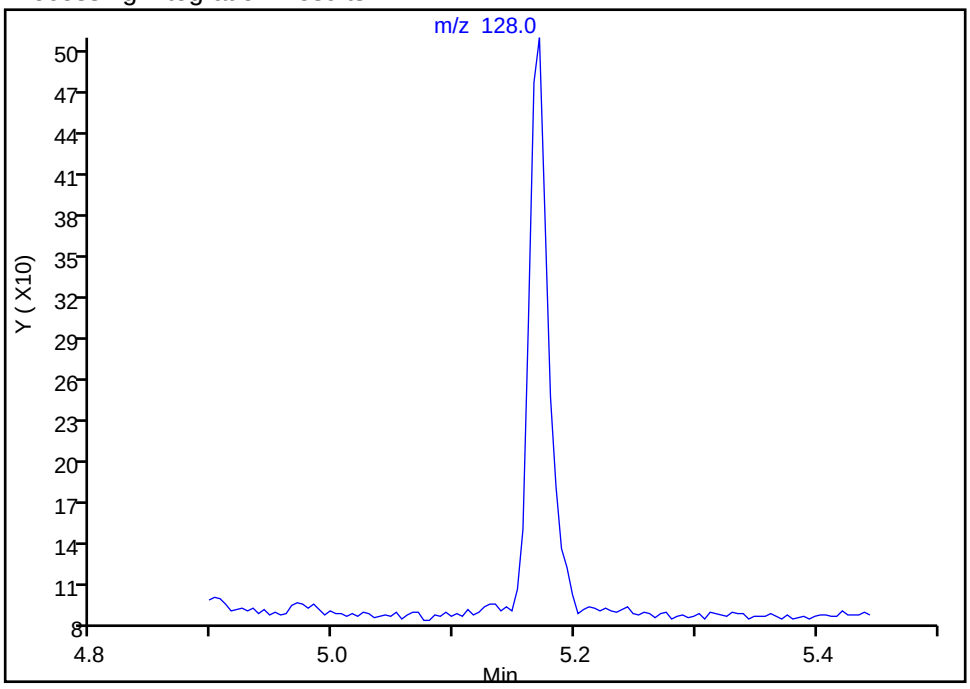
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\SIM031822a011.D				
Injection Date:	18-Mar-2022 14:57:30	Instrument ID:	TAC050		
Lims ID:	580-111294-B-4-A	Lab Sample ID:	580-111294-4		
Client ID:	ERH2744 (RHMW13-5)				
Operator ID:	tl	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

11 Naphthalene, CAS: 91-20-3

Signal: 1

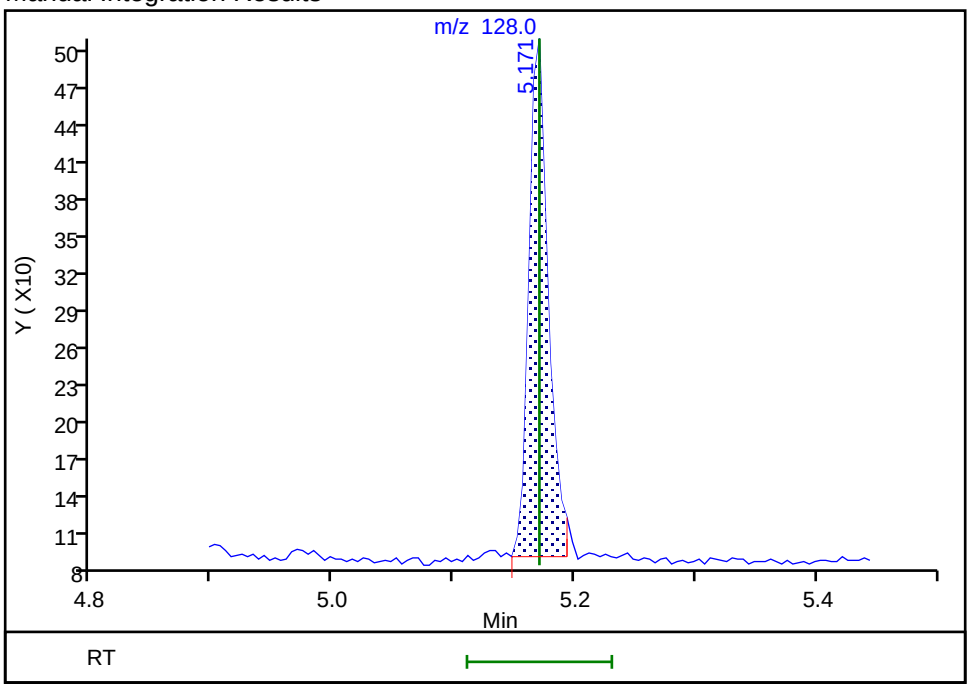
Not Detected
Expected RT: 5.17

Processing Integration Results



Manual Integration Results

RT: 5.17
Area: 466
Amount: 2.185509
Amount Units: ug/L



Reviewer: limwirojt, 21-Mar-2022 08:58:43
Audit Action: Assigned Compound ID Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

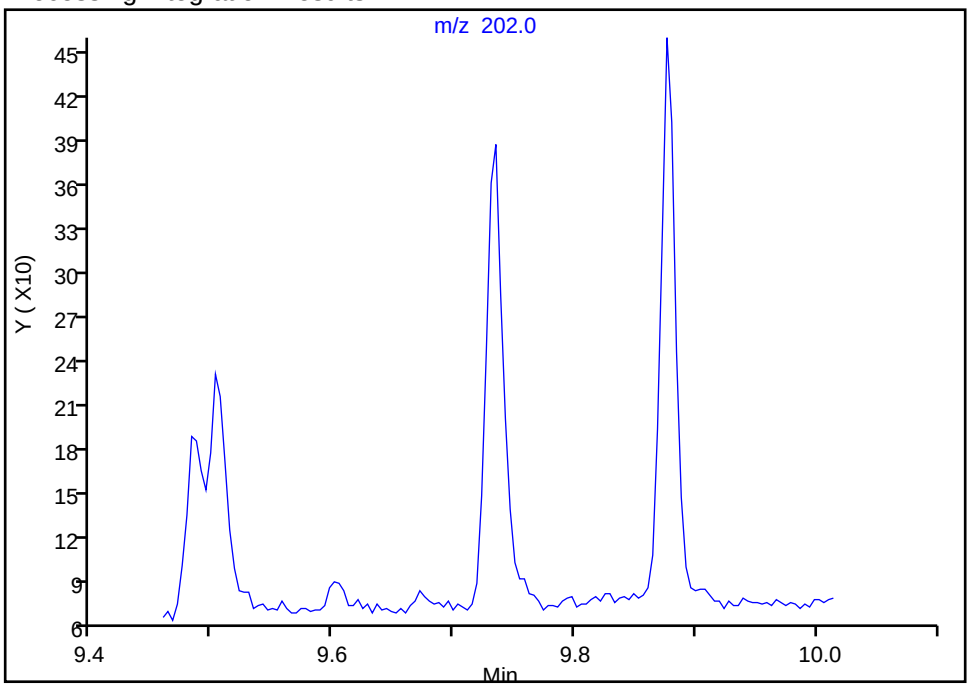
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\SIM031822a011.D				
Injection Date:	18-Mar-2022 14:57:30	Instrument ID:	TAC050		
Lims ID:	580-111294-B-4-A	Lab Sample ID:	580-111294-4		
Client ID:	ERH2744 (RHMW13-5)				
Operator ID:	tl	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

21 Pyrene, CAS: 129-00-0

Signal: 1

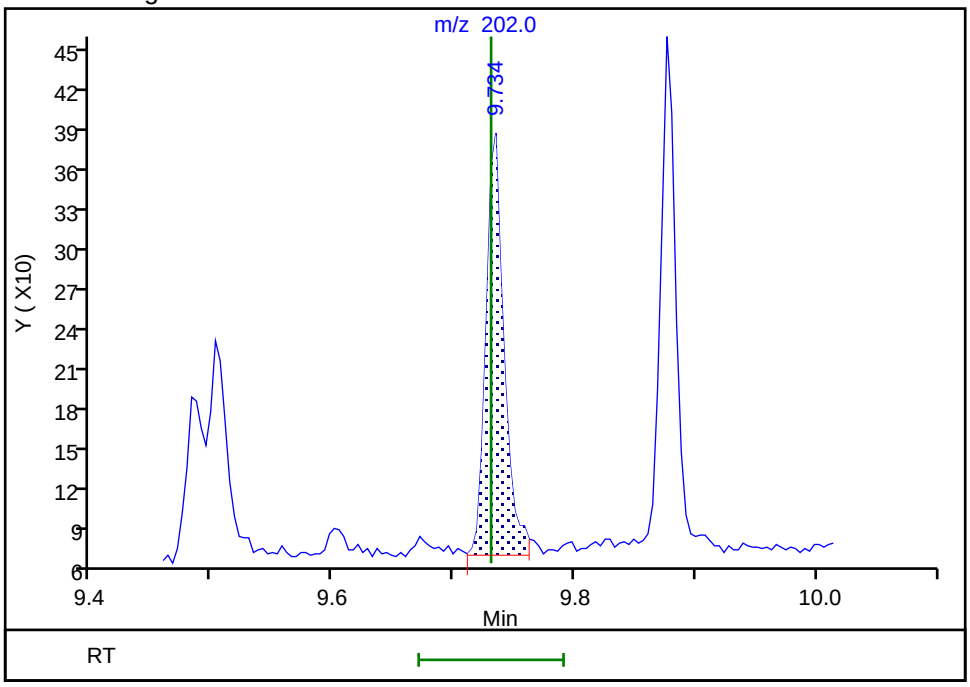
Not Detected
Expected RT: 9.73

Processing Integration Results



Manual Integration Results

RT: 9.73
Area: 325
Amount: 0.363829
Amount Units: ug/L



Reviewer: limwirojt, 21-Mar-2022 09:01:40
Audit Action: Manually Integrated Audit Reason: Assign Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle | Job No.: 580-111294-1

SDG No.:

Client Sample ID: ERH2745 (RHMW13-5) | Lab Sample ID: 580-111294-5

Matrix: Water | Lab File ID: SIM031822a012.D

Analysis Method: 8270E SIM | Date Collected: 03/10/2022 11:05

Extract. Method: 3510C | Date Extracted: 03/17/2022 11:35

Sample wt/vol: 1047.6(mL) | Date Analyzed: 03/18/2022 15:16

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 384301 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
90-12-0	1-Methylnaphthalene	0.031	U M	0.095	0.031	0.018
91-57-6	2-Methylnaphthalene	0.076	U M	0.19	0.076	0.037
83-32-9	Acenaphthene	0.031	U	0.095	0.031	0.013
208-96-8	Acenaphthylene	0.031	U	0.048	0.031	0.0086
120-12-7	Anthracene	0.076	U	0.095	0.076	0.021
56-55-3	Benzo[a]anthracene	0.031	U	0.048	0.031	0.013
50-32-8	Benzo[a]pyrene	0.031	U	0.095	0.031	0.011
205-99-2	Benzo[b]fluoranthene	0.031	U	0.048	0.031	0.011
191-24-2	Benzo[g,h,i]perylene	0.031	U	0.048	0.031	0.011
207-08-9	Benzo[k]fluoranthene	0.031	U	0.048	0.031	0.011
218-01-9	Chrysene	0.031	U	0.095	0.031	0.015
53-70-3	Dibenz(a,h)anthracene	0.031	U	0.095	0.031	0.025
206-44-0	Fluoranthene	0.031	U M	0.19	0.031	0.017
86-73-7	Fluorene	0.031	U	0.095	0.031	0.016
193-39-5	Indeno[1,2,3-cd]pyrene	0.031	U	0.048	0.031	0.013
91-20-3	Naphthalene	0.076	U M	0.095	0.076	0.030
85-01-8	Phenanthrene	0.076	U M	0.095	0.076	0.030
129-00-0	Pyrene	0.076	U M	0.095	0.076	0.032

CAS NO.	SURROGATE	%REC	Q	LIMITS
7297-45-2	2-methylnaphthalene-d10	57		40-140
93951-69-0	Fluoranthene-d10 (Surr)	74		40-140
1718-51-0	Terphenyl-d14	87		58-132

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\SIM031822a012.D
Lims ID: 580-111294-B-5-A
Client ID: ERH2745 (RHMW13-5)
Sample Type: Client
Inject. Date: 18-Mar-2022 15:16:30 ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 580-111294-B-5-A
Operator ID: tl Instrument ID: TAC050

Method: \\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\TAC050_SIM_PAH.m
Limit Group: 8270D_SIM QSM 5.0
Last Update: 21-Mar-2022 09:03:36 Calib Date: 14-Jan-2022 05:04:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D

Column 1 : Det: MS SCAN
Process Host: CTX1643

First Level Reviewer: limwirojt Date: 21-Mar-2022 09:03:44

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
*	1 Naphthalene-d8	136	5.148	5.148	0.000	90	20260	100.0	
*	2 Acenaphthene-d10	164	6.836	6.836	0.000	70	8878	100.0	
*	3 Phenanthrene-d10	188	8.303	8.299	0.004	56	15403	100.0	
*	4 Chrysene-d12	240	11.012	11.007	0.005	48	12190	100.0	
*	5 Perylene-d12	264	13.061	13.061	0.000	69	13624	100.0	
$	6 2-methylnaphthalene-d10	152	5.791	5.791	0.000	67	68061	567.8	
$	10 2-Fluorobiphenyl	172	6.170	6.170	0.000	0	83335	586.6	Ma
$	7 2,4,6-Tribromophenol	330	7.614	7.614	0.000	59	14978	622.8	
$	8 Fluoranthene-d10 (Surr)	212	9.486	9.486	0.000	68	117018	735.1	
$	9 Terphenyl-d14	244	9.880	9.880	0.000	94	106858	865.6	
	11 Naphthalene	128	5.171	5.171	0.000	87	328	1.53	M
	12 2-Methylnaphthalene	141	5.823	5.823	0.000	99	114	0.9381	M
	13 1-Methylnaphthalene	141	5.914	5.914	0.000	93	86	0.7306	M

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

8270SIM_IS_00069 Amount Added: 10.00 Units: uL Run Reagent

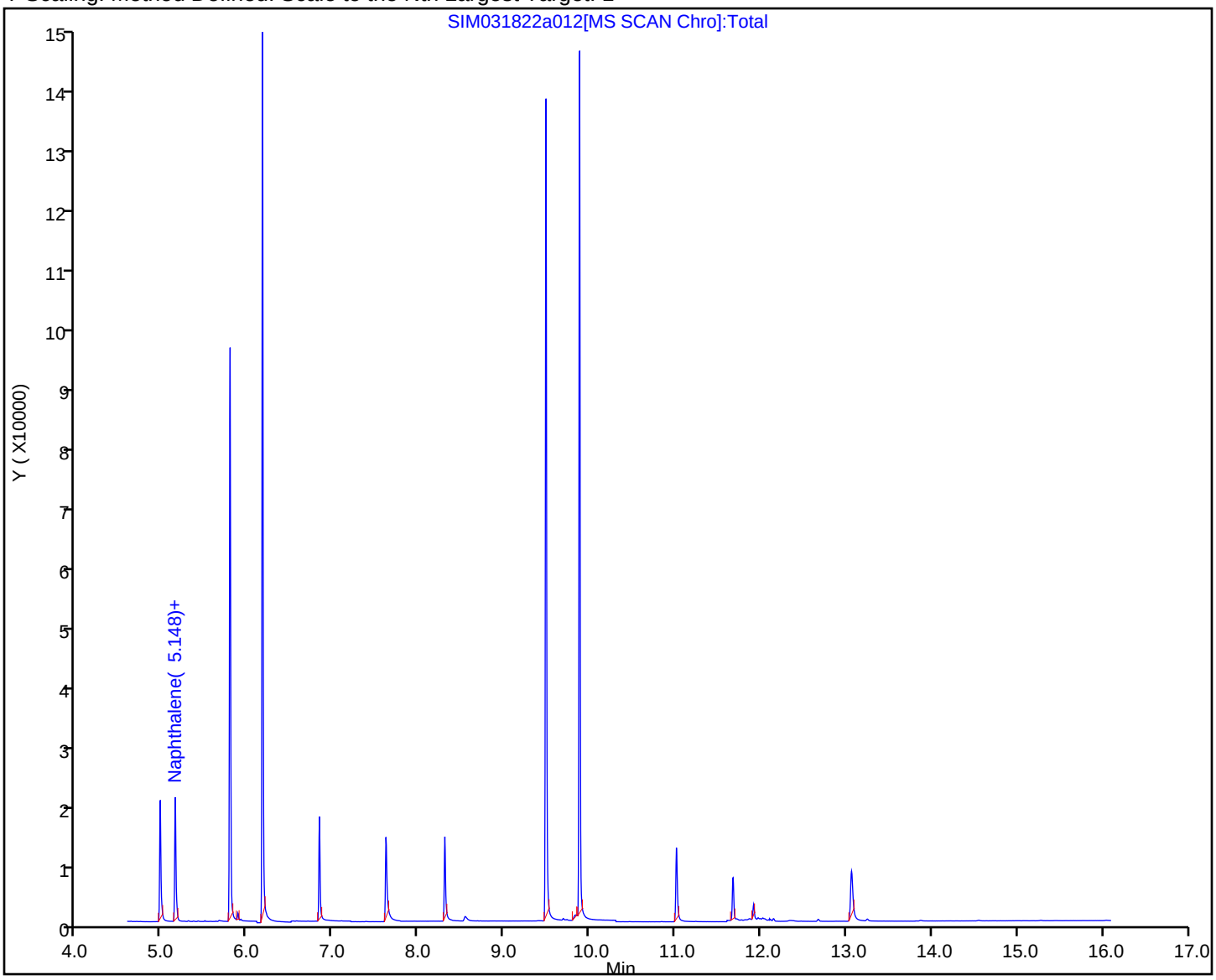
Report Date: 21-Mar-2022 09:03:45 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\SIM031822a012.D

Injection Date:	18-Mar-2022 15:16:30	Instrument ID:	TAC050		
Lims ID:	580-111294-B-5-A	Lab Sample ID:	580-111294-5		
Client ID:	ERH2745 (RHMW13-5)				
Operator ID:	tl	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle
Recovery Report

Data File: \\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\SIM031822a012.D
Lims ID: 580-111294-B-5-A
Client ID: ERH2745 (RHMW13-5)
Sample Type: Client
Inject. Date: 18-Mar-2022 15:16:30 ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 580-111294-B-5-A
Operator ID: tl Instrument ID: TAC050

Method: \\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\TAC050_SIM_PAH.m
Limit Group: 8270D_SIM QSM 5.0
Last Update: 21-Mar-2022 09:03:36 Calib Date: 14-Jan-2022 05:04:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D

Column 1 : Det: MS SCAN
Process Host: CTX1643

First Level Reviewer: limwirojt Date: 21-Mar-2022 09:03:44

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 2-methylnaphthalene-d10	1000.0	567.8	56.78
$ 10 2-Fluorobiphenyl	1000.0	586.6	58.66
$ 7 2,4,6-Tribromophenol	1000.0	622.8	62.28
$ 8 Fluoranthene-d10 (Surr)	1000.0	735.1	73.51
$ 9 Terphenyl-d14	1000.0	865.6	86.56

Manual Integration/User Assign Peak Report

Eurofins Seattle

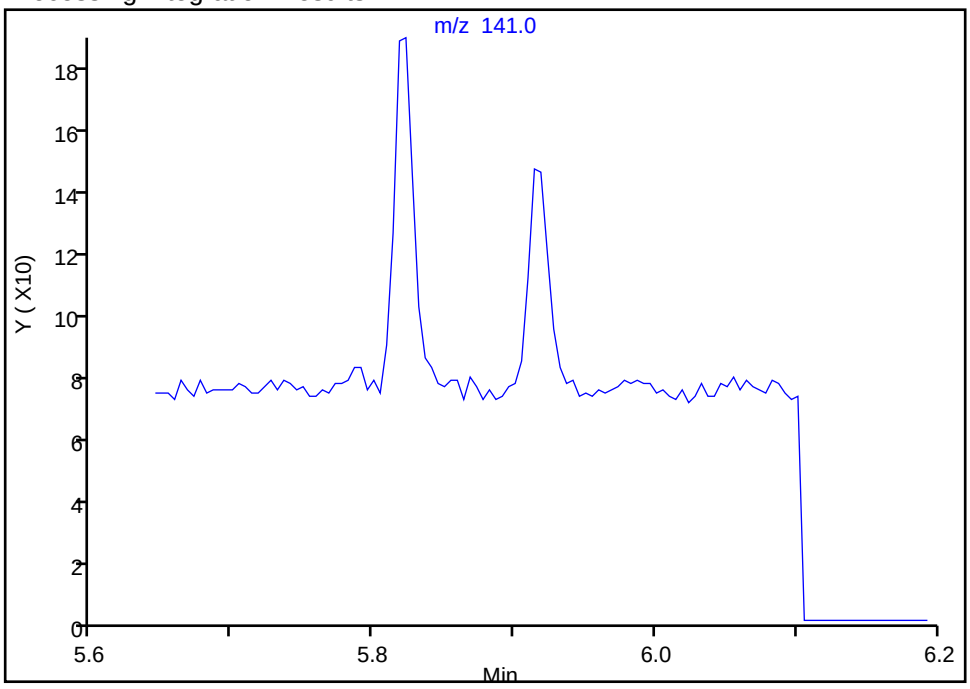
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\SIM031822a012.D				
Injection Date:	18-Mar-2022 15:16:30	Instrument ID:	TAC050		
Lims ID:	580-111294-B-5-A	Lab Sample ID:	580-111294-5		
Client ID:	ERH2745 (RHMW13-5)				
Operator ID:	tl	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

13 1-Methylnaphthalene, CAS: 90-12-0

Signal: 1

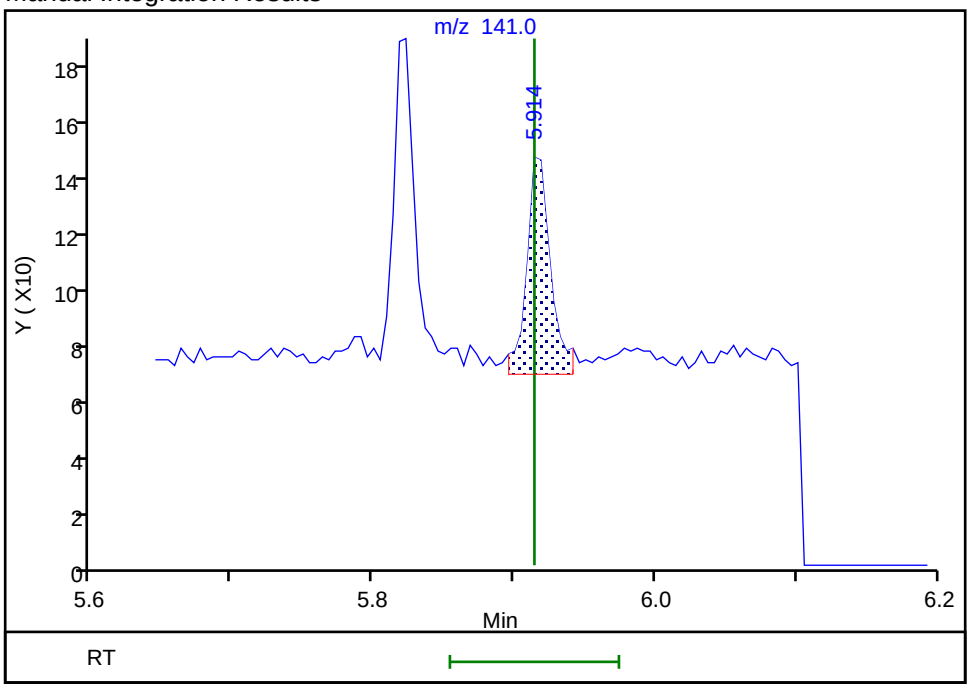
Not Detected
Expected RT: 5.91

Processing Integration Results



Manual Integration Results

RT: 5.91
Area: 86
Amount: 0.730605
Amount Units: ug/L



Reviewer: limwirojt, 21-Mar-2022 09:02:53
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

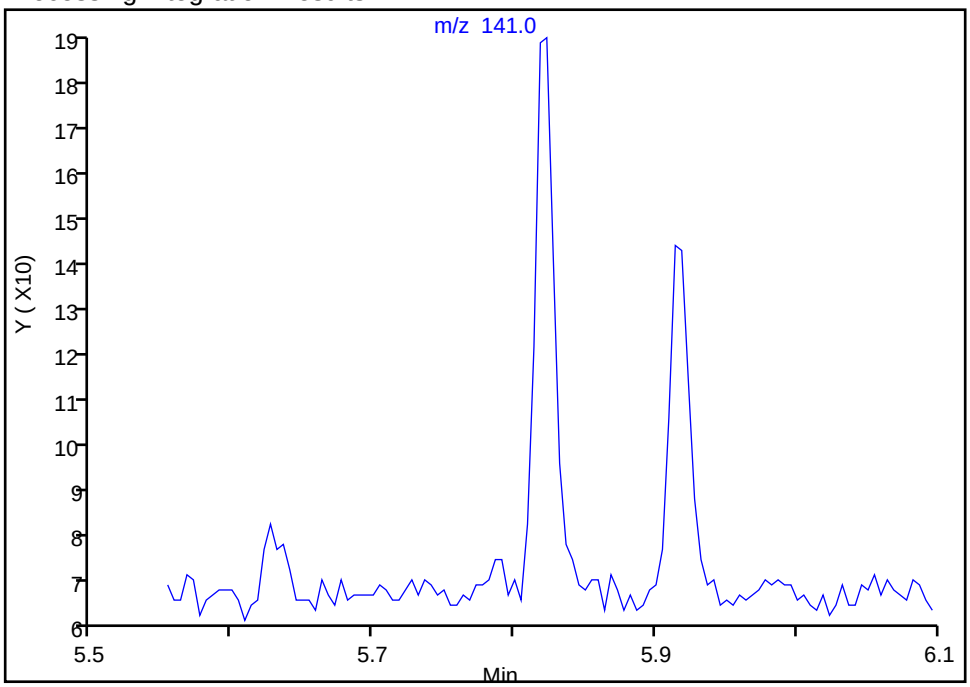
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\SIM031822a012.D				
Injection Date:	18-Mar-2022 15:16:30	Instrument ID:	TAC050		
Lims ID:	580-111294-B-5-A	Lab Sample ID:	580-111294-5		
Client ID:	ERH2745 (RHMW13-5)				
Operator ID:	tl	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

12 2-Methylnaphthalene, CAS: 91-57-6

Signal: 1

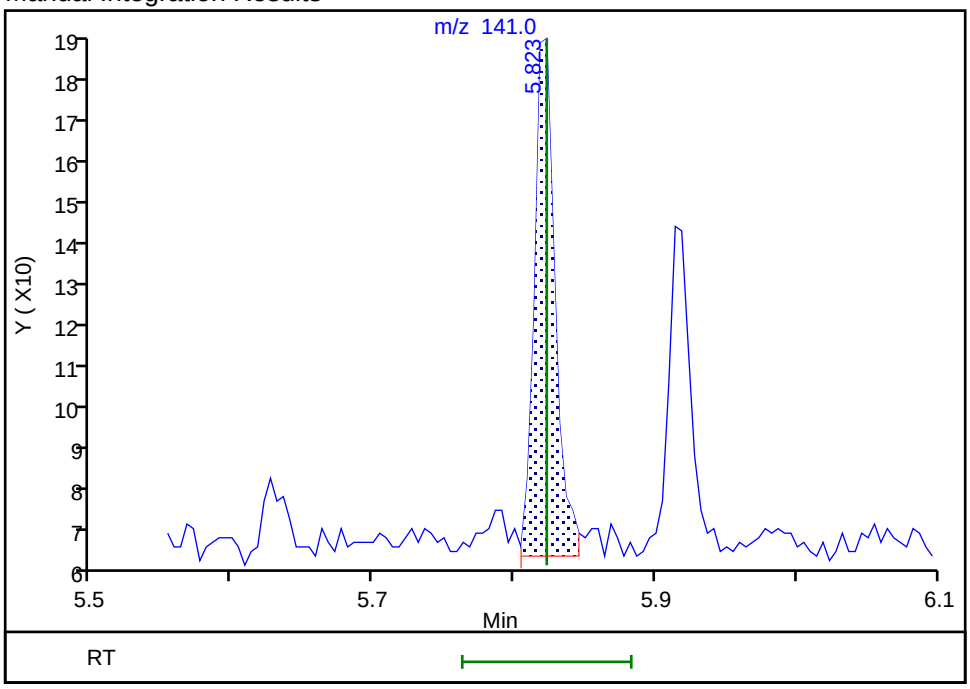
Not Detected
Expected RT: 5.82

Processing Integration Results



Manual Integration Results

RT: 5.82
Area: 114
Amount: 0.938079
Amount Units: ug/L



Reviewer: limwirojt, 21-Mar-2022 09:02:49
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

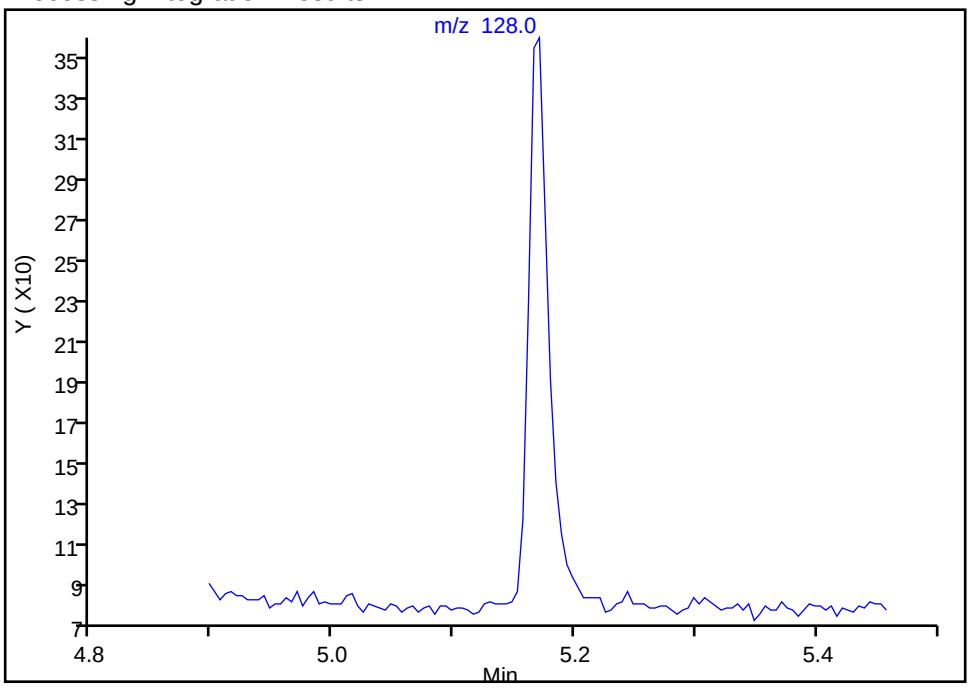
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\SIM031822a012.D				
Injection Date:	18-Mar-2022 15:16:30	Instrument ID:	TAC050		
Lims ID:	580-111294-B-5-A	Lab Sample ID:	580-111294-5		
Client ID:	ERH2745 (RHMW13-5)				
Operator ID:	tl	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

11 Naphthalene, CAS: 91-20-3

Signal: 1

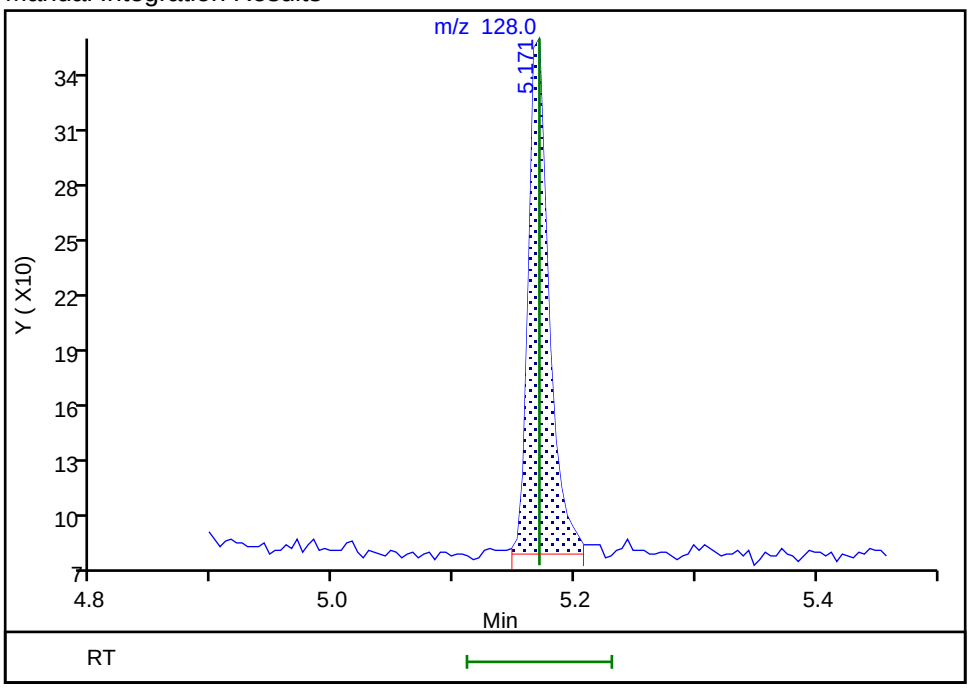
Not Detected
Expected RT: 5.17

Processing Integration Results



Manual Integration Results

RT: 5.17
Area: 328
Amount: 1.530706
Amount Units: ug/L



Reviewer: limwirojt, 21-Mar-2022 09:02:40
Audit Action: Manually Integrated Audit Reason: Assign Peak

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Seattle Job No.: 580-111294-1 Analy Batch No.: 378263

SDG No.:

Instrument ID: TAC050 GC Column: ZB-SV ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/14/2022 01:16 Calibration End Date: 01/14/2022 05:04 Calibration ID: 31897

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 580-378263/16	SIM011322b026.D
Level 2	STD2 580-378263/15	SIM011322b025.D
Level 3	STD3 580-378263/14	SIM011322b024.D
Level 4	STD4 580-378263/13	SIM011322b023.D
Level 5	STD5 580-378263/12	SIM011322b022.D
Level 6	STD6 580-378263/11	SIM011322b021.D
Level 7	STD7 580-378263/10	SIM011322b020.D
Level 8	STD8 580-378263/9	SIM011322b019.D
Level 9	STD9IS 580-378263/8	SIM011322b018.D
Level 10	STD10 580-378263/7	SIM011322b017.D
Level 11	STD11 580-378263/6	SIM011322b016.D
Level 12	STD12 580-378263/5	SIM011322b015.D
Level 13	STD13 580-378263/4	SIM011322b014.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6 LVL 11	LVL 2 LVL 7 LVL 12	LVL 3 LVL 8 LVL 13	LVL 4 LVL 9	LVL 5 LVL 10		B	M1	M2								
Naphthalene	+++++ 1.0572 0.9985	1.1832 1.0588 1.0347	1.1041 1.0251 0.9521	1.0790 1.0709	1.0850 1.0433	Ave		1.0577			0.7000	5.4		15.0			
2-Methylnaphthalene	0.5884 0.5983 0.5702	0.6568 0.5949 0.6172	0.6161 0.5747 0.5877	0.6029 0.6011	0.6054 0.5839	Ave		0.5998			0.4000	3.7		15.0			
1-Methylnaphthalene	0.6414 0.5715 0.5489	0.6382 0.5660 0.5912	0.5889 0.5479 0.5584	0.5793 0.5724	0.5850 0.5639	Ave		0.5810			0.4000	5.1		15.0			
Acenaphthylene	2.1933 2.0847 2.0927	2.2176 2.0859 2.2109	2.0998 2.0647 1.9604	2.0636 2.1743	2.0810 2.1550	Ave		2.1141			0.9000	3.4		15.0			
Acenaphthene	1.3777 1.3094 1.2729	1.4871 1.2994 1.3461	1.3472 1.2867 1.2012	1.3227 1.3492	1.3258 1.3221	Ave		1.3267			0.9000	4.9		15.0			
Fluorene	1.6312 1.4001 1.4385	1.6605 1.4402 1.5298	1.5052 1.4316 1.3835	1.4255 1.5164	1.3820 1.4840	Ave		1.4791			0.9000	6.0		15.0			
Pentachlorophenol	+++++ 0.0267 0.1875	+++++ 0.0513 +++++	+++++ 0.0753 +++++	+++++ 0.1234	+++++ 0.1625	Qua2	-8.157	0.0984	0.0000251		0.0500	11.5			0.9900		0.9900

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Seattle Job No.: 580-111294-1 Analy Batch No.: 378263

SDG No.:

Instrument ID: TAC050 GC Column: ZB-SV ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/14/2022 01:16 Calibration End Date: 01/14/2022 05:04 Calibration ID: 31897

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6 LVL 11	LVL 2 LVL 7 LVL 12	LVL 3 LVL 8 LVL 13	LVL 4 LVL 9	LVL 5 LVL 10		B	M1	M2								
Phenanthrene	+++++ 1.2641 1.2329	1.9506 1.2773 1.3063	1.6138 1.2434 1.1734	1.3764 1.3095	1.2980 1.2965	Lin2	1.4308	1.2559			0.7000	3.7			0.9990		0.9900
Anthracene	2.3820 1.2487 1.2527	1.9058 1.2352 1.3644	1.5794 1.2133 1.2394	1.3535 1.2985	1.3007 1.3025	Lin2	1.1530	1.2691			0.7000	4.3			0.9980		0.9900
Fluoranthene	+++++ 1.2430 1.2352	1.9679 1.2716 1.3153	1.6023 1.2115 1.2282	1.3090 1.2759	1.2387 1.2900	Lin2	1.4616	1.2408			0.6000	4.3			0.9980		0.9900
Pyrene	+++++ 1.2713 1.3202	2.1057 1.4006 1.3881	1.7542 1.2627 1.2825	1.3340 1.3339	1.2928 1.3786	Lin2	1.6199	1.3071			0.6000	6.3			0.9960		0.9900
Benzo[a]anthracene	+++++ 1.3906 1.4783	2.4076 1.4431 1.5802	1.8197 1.4102 1.4117	1.5003 1.4876	1.4786 1.4927	Lin2	1.8835	1.4355			0.8000	5.2			0.9970		0.9900
Chrysene	+++++ 1.5543 1.4499	2.5777 1.5055 1.5809	1.9873 1.4653 1.4003	1.7937 1.5367	1.6080 1.4918	Lin2	2.2240	1.4979			0.7000	3.7			0.9990		0.9900
Bis(2-ethylhexyl) phthalate	2.9082 1.7581 2.0475	2.3387 1.7970 2.2784	1.7627 1.7485 +++++	1.5692 1.8919	1.5986 1.9798	Qua2	1.1899	1.6858	0.0001352		0.0100	7.9			0.9940		0.9900
Benzo[b]fluoranthene	2.3584 1.2545 1.3072	1.8766 1.2933 1.4464	1.5292 1.2494 1.3422	1.3045 1.3744	1.2677 1.3491	Lin2	1.0617	1.3037			0.7000	5.6			0.9970		0.9900
Benzo[k]fluoranthene	2.5810 1.4037 1.4699	2.0639 1.4003 1.5369	1.7594 1.4405 1.4168	1.6926 1.4756	1.4542 1.4746	Lin2	1.1530	1.4609			0.7000	4.4			0.9980		0.9900
Benzo[a]pyrene	2.3501 1.2237 1.3406	1.8881 1.2679 1.4407	1.5462 1.2822 1.3359	1.2619 1.3732	1.2323 1.3724	Lin2	1.0614	1.3008			0.7000	6.7			0.9950		0.9900
Indeno[1,2,3-cd]pyrene	+++++ 0.9867 1.1845	+++++ 1.0590 1.2612	1.1426 1.0976 1.1694	0.9654 1.1885	0.9180 1.2046	Qua2	-0.227	1.0884	0.0000155		0.5000	9.6			0.9910		0.9900
Dibenz(a,h)anthracene	2.0285 1.2194 1.3192	1.6397 1.1007 1.4407	1.4496 1.2326 1.3355	1.2020 1.3262	1.1262 1.3471	Lin2	0.7583	1.2566			0.4000	8.8			0.9920		0.9900

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Seattle Job No.: 580-111294-1 Analy Batch No.: 378263

SDG No.:

Instrument ID: TAC050 GC Column: ZB-SV ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/14/2022 01:16 Calibration End Date: 01/14/2022 05:04 Calibration ID: 31897

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6 LVL 11	LVL 2 LVL 7 LVL 12	LVL 3 LVL 8 LVL 13	LVL 4 LVL 9	LVL 5 LVL 10		B	M1	M2								
Benzo[g,h,i]perylene	2.3171 1.3097 1.3894	1.8996 1.3225 1.4769	1.6173 1.3625 1.3291	1.3605 1.4075	1.3326 1.4232	Lin2	0.9766	1.3618			0.5000	5.0			0.9970		0.9900
2-methylnaphthalene-d10	0.5884 0.5882 0.5680	0.6591 0.5862 0.6035	0.5915 0.5683 0.5648	0.5911 0.5988	0.5949 0.5880	Ave		0.5916				4.0		15.0			
2-Fluorobiphenyl	1.7194 1.6205 1.4710	1.7656 1.5973 1.5637	1.6869 1.5685 1.3939	1.6449 1.5881	1.6462 1.5362	Ave		1.6002				6.2		15.0			
2,4,6-Tribromophenol	+++++ 0.1939 0.2875	+++++ 0.2361 0.3170	+++++ 0.2392 +++++	0.1887 0.2681	0.2060 0.2839	Qua1	-1.441	0.2669	0.0000102			13.0			1.0000		0.9900
Fluoranthene-d10 (Surr)	+++++ 1.0213 1.0469	1.6405 1.0561 1.1089	1.3242 0.9976 1.0122	1.0806 1.0563	1.0359 1.0803	Lin2	1.2140	1.0318				4.7			0.9980		0.9900
Terphenyl-d14	+++++ 0.7322 0.7756	+++++ 0.7825 0.8242	0.9976 0.7405 0.7508	0.8333 0.8193	0.7379 0.8219	Ave		0.8014				9.4		15.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Seattle Job No.: 580-111294-1 Analy Batch No.: 378263

SDG No.:

Instrument ID: TAC050 GC Column: ZB-SV ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/14/2022 01:16 Calibration End Date: 01/14/2022 05:04 Calibration ID: 31897

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 580-378263/16	SIM011322b026.D
Level 2	STD2 580-378263/15	SIM011322b025.D
Level 3	STD3 580-378263/14	SIM011322b024.D
Level 4	STD4 580-378263/13	SIM011322b023.D
Level 5	STD5 580-378263/12	SIM011322b022.D
Level 6	STD6 580-378263/11	SIM011322b021.D
Level 7	STD7 580-378263/10	SIM011322b020.D
Level 8	STD8 580-378263/9	SIM011322b019.D
Level 9	STD9IS 580-378263/8	SIM011322b018.D
Level 10	STD10 580-378263/7	SIM011322b017.D
Level 11	STD11 580-378263/6	SIM011322b016.D
Level 12	STD12 580-378263/5	SIM011322b015.D
Level 13	STD13 580-378263/4	SIM011322b014.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6 LVL 11	LVL 2 LVL 7 LVL 12	LVL 3 LVL 8 LVL 13	LVL 4 LVL 9	LVL 5 LVL 10	LVL 1 LVL 6 LVL 11	LVL 2 LVL 7 LVL 12	LVL 3 LVL 8 LVL 13	LVL 4 LVL 9	LVL 5 LVL 10
Naphthalene	NPT	Ave	+++++	508	1258	2280	4620	+++++	2.00	5.00	10.0	20.0
			11320	24209	52945	118848	242151	50.0	100	200	500	1000
			455448	1129737	2265154			2000	5000	10000		
2-Methylnaphthalene	NPT	Ave	122	282	702	1274	2578	1.00	2.00	5.00	10.0	20.0
			6407	13602	29681	66711	135530	50.0	100	200	500	1000
			260099	673905	1398242			2000	5000	10000		
1-Methylnaphthalene	NPT	Ave	133	274	671	1224	2491	1.00	2.00	5.00	10.0	20.0
			6120	12942	28297	63527	130882	50.0	100	200	500	1000
			250376	645502	1328414			2000	5000	10000		
Acenaphthylene	ANT	Ave	199	422	1063	1947	4001	1.00	2.00	5.00	10.0	20.0
			10119	21750	48540	112225	237007	50.0	100	200	500	1000
			459226	1173013	2434168			2000	5000	10000		
Acenaphthene	ANT	Ave	125	283	682	1248	2549	1.00	2.00	5.00	10.0	20.0
			6356	13549	30250	69640	145402	50.0	100	200	500	1000
			279319	714176	1491471			2000	5000	10000		
Fluorene	ANT	Ave	148	316	762	1345	2657	1.00	2.00	5.00	10.0	20.0
			6796	15017	33656	78269	163209	50.0	100	200	500	1000
			315659	811630	1717929			2000	5000	10000		
Pentachlorophenol	CRY	Qua2	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
			304	1359	4235	15457	44279	100	200	400	1000	2000
			100947	+++++	+++++			4000	+++++	+++++		

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Seattle Job No.: 580-111294-1 Analy Batch No.: 378263

SDG No.:

Instrument ID: TAC050 GC Column: ZB-SV ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/14/2022 01:16 Calibration End Date: 01/14/2022 05:04 Calibration ID: 31897

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6 LVL 11	LVL 2 LVL 7 LVL 12	LVL 3 LVL 8 LVL 13	LVL 4 LVL 9	LVL 5 LVL 10	LVL 1 LVL 6 LVL 11	LVL 2 LVL 7 LVL 12	LVL 3 LVL 8 LVL 13	LVL 4 LVL 9	LVL 5 LVL 10
Phenanthrene	PHN	Lin2	+++++	566	1265	1982	3789	+++++	2.00	5.00	10.0	20.0
			9336	21252	45268	102631	217890	50.0	100	200	500	1000
			422623	1092665	2257550			2000	5000	10000		
Anthracene	PHN	Lin2	339	553	1238	1949	3797	1.00	2.00	5.00	10.0	20.0
			9222	20551	44171	101772	218902	50.0	100	200	500	1000
			429392	1141218	2384546			2000	5000	10000		
Fluoranthene	PHN	Lin2	+++++	571	1256	1885	3616	+++++	2.00	5.00	10.0	20.0
			9180	21157	44105	99999	216797	50.0	100	200	500	1000
			423401	1100144	2362929			2000	5000	10000		
Pyrene	PHN	Lin2	+++++	611	1375	1921	3774	+++++	2.00	5.00	10.0	20.0
			9389	23304	45971	104547	231682	50.0	100	200	500	1000
			452528	1161089	2467420			2000	5000	10000		
Benzo[a]anthracene	CRY	Lin2	+++++	524	1118	1677	3279	+++++	2.00	5.00	10.0	20.0
			7909	19122	39640	93139	203397	50.0	100	200	500	1000
			398056	1050296	2263685			2000	5000	10000		
Chrysene	CRY	Lin2	+++++	561	1221	2005	3566	+++++	2.00	5.00	10.0	20.0
			8840	19950	41189	96213	203276	50.0	100	200	500	1000
			390408	1050734	2245321			2000	5000	10000		
Bis(2-ethylhexyl) phthalate	CRY	Qua2	301	509	1083	1754	3545	1.00	2.00	5.00	10.0	20.0
			9999	23812	49150	118452	269774	50.0	100	200	500	1000
			551318	1514360	+++++			2000	5000	+++++		
Benzo[b]fluoranthene	PRY	Lin2	286	491	1076	1654	3324	1.00	2.00	5.00	10.0	20.0
			8556	20162	40711	97903	209981	50.0	100	200	500	1000
			408952	1135616	2440243			2000	5000	10000		
Benzo[k]fluoranthene	PRY	Lin2	313	540	1238	2146	3813	1.00	2.00	5.00	10.0	20.0
			9574	21829	46936	105112	229502	50.0	100	200	500	1000
			459854	1206698	2575872			2000	5000	10000		
Benzo[a]pyrene	PRY	Lin2	285	494	1088	1600	3231	1.00	2.00	5.00	10.0	20.0
			8346	19766	41778	97822	213598	50.0	100	200	500	1000
			419408	1131186	2428829			2000	5000	10000		
Indeno[1,2,3-cd]pyrene	PRY	Qua2	+++++	+++++	804	1224	2407	+++++	+++++	5.00	10.0	20.0
			6730	16508	35765	84665	187487	50.0	100	200	500	1000
			370557	990249	2126159			2000	5000	10000		
Dibenz(a,h)anthracene	PRY	Lin2	246	429	1020	1524	2953	1.00	2.00	5.00	10.0	20.0
			8317	17159	40164	94470	209663	50.0	100	200	500	1000

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Seattle Job No.: 580-111294-1 Analy Batch No.: 378263

SDG No.:

Instrument ID: TAC050 GC Column: ZB-SV ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/14/2022 01:16 Calibration End Date: 01/14/2022 05:04 Calibration ID: 31897

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6 LVL 11	LVL 2 LVL 7 LVL 12	LVL 3 LVL 8 LVL 13	LVL 4 LVL 9	LVL 5 LVL 10	LVL 1 LVL 6 LVL 11	LVL 2 LVL 7 LVL 12	LVL 3 LVL 8 LVL 13	LVL 4 LVL 9	LVL 5 LVL 10
			412698	1131196	2428114			2000	5000	10000		
Benzo[g,h,i]perylene	PRY	Lin2	281	497	1138	1725	3494	1.00	2.00	5.00	10.0	20.0
			8933	20616	44397	100263	221508	50.0	100	200	500	1000
			434660	1159620	2416384			2000	5000	10000		
2-methylnaphthalene-d10	NPT	Ave	122	283	674	1249	2533	1.00	2.00	5.00	10.0	20.0
			6298	13403	29353	66447	136490	50.0	100	200	500	1000
			259103	658935	1343563			2000	5000	10000		
2-Fluorobiphenyl	ANT	Ave	156	336	854	1552	3165	1.00	2.00	5.00	10.0	20.0
			7866	16655	36875	81972	168952	50.0	100	200	500	1000
			322797	829635	1730752			2000	5000	10000		
2,4,6-Tribromophenol	ANT	Qua1	+++++	+++++	+++++	178	396	+++++	+++++	+++++	10.0	20.0
			941	2462	5623	13836	31220	50.0	100	200	500	1000
			63090	168193	+++++			2000	5000	+++++		
Fluoranthene-d10 (Surr)	PHN	Lin2	+++++	476	1038	1556	3024	+++++	2.00	5.00	10.0	20.0
			7543	17571	36319	82791	181549	50.0	100	200	500	1000
			358856	927539	1947324			2000	5000	10000		
Terphenyl-d14	PHN	Ave	+++++	+++++	782	1200	2154	+++++	+++++	5.00	10.0	20.0
			5408	13020	26958	64209	138125	50.0	100	200	500	1000
			265872	689419	1444527			2000	5000	10000		

Curve Type Legend

Ave = Average ISTD
Lin2 = Linear 1/conc^2 ISTD
Qua1 = Quadratic 1/conc ISTD
Qua2 = Quadratic 1/conc^2 ISTD

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Seattle Job No.: 580-111294-1 Analy Batch No.: 378263

SDG No.:

Instrument ID: TAC050 GC Column: ZB-SV ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/14/2022 01:16 Calibration End Date: 01/14/2022 05:04 Calibration ID: 31897

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 580-378263/16	SIM011322b026.D
Level 2	STD2 580-378263/15	SIM011322b025.D
Level 3	STD3 580-378263/14	SIM011322b024.D
Level 4	STD4 580-378263/13	SIM011322b023.D
Level 5	STD5 580-378263/12	SIM011322b022.D
Level 6	STD6 580-378263/11	SIM011322b021.D
Level 7	STD7 580-378263/10	SIM011322b020.D
Level 8	STD8 580-378263/9	SIM011322b019.D
Level 9	STD9IS 580-378263/8	SIM011322b018.D
Level 10	STD10 580-378263/7	SIM011322b017.D
Level 11	STD11 580-378263/6	SIM011322b016.D
Level 12	STD12 580-378263/5	SIM011322b015.D
Level 13	STD13 580-378263/4	SIM011322b014.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 # LVL 13 #	LVL 2 # LVL 8 #	LVL 3 # LVL 9 #	LVL 4 # LVL 10 #	LVL 5 # LVL 11 #	LVL 6 # LVL 12 #	LVL 1 LVL 7 LVL 13	LVL 2 LVL 8	LVL 3 LVL 9	LVL 4 LVL 10	LVL 5 LVL 11	LVL 6 LVL 12
Naphthalene	+++++	11.9						50				
2-Methylnaphthalene	-1.9						50					
1-Methylnaphthalene	10.4						50					
Acenaphthylene	3.7						50					
Acenaphthene	3.8						50					
Fluorene	10.3						50					
Pentachlorophenol	+++++ +++++	+++++	+++++	+++++	+++++	7.1 +++++						50
Phenanthrene	+++++	-1.6						50				

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Seattle Job No.: 580-111294-1 Analy Batch No.: 378263

SDG No.:

Instrument ID: TAC050 GC Column: ZB-SV ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/14/2022 01:16 Calibration End Date: 01/14/2022 05:04 Calibration ID: 31897

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 # LVL 13 #	LVL 2 # LVL 8 #	LVL 3 # LVL 9 #	LVL 4 # LVL 10 #	LVL 5 # LVL 11 #	LVL 6 # LVL 12 #	LVL 1 LVL 7 LVL 13	LVL 2 LVL 8	LVL 3 LVL 9	LVL 4 LVL 10	LVL 5 LVL 11	LVL 6 LVL 12
Anthracene	-3.2						50					
Fluoranthene	+++++	-0.3						50				
Pyrene	+++++	-0.9						50				
Benzo[a]anthracene	+++++	2.1						50				
Chrysene	+++++	-2.2						50				
Bis(2-ethylhexyl) phthalate	1.9 +++++						50					
Benzo[b]fluoranthene	-0.5						50					
Benzo[k]fluoranthene	-2.2						50					
Benzo[a]pyrene	-0.9						50					
Indeno[1,2,3-cd]pyrene	+++++	+++++	9.1						50			
Dibenz(a,h)anthracene	1.1						50					
Benzo[g,h,i]perylene	-1.6						50					
2-methylnaphthalene-d10	-0.5						50					

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Seattle Job No.: 580-111294-1 Analy Batch No.: 378263

SDG No.:

Instrument ID: TAC050 GC Column: ZB-SV ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/14/2022 01:16 Calibration End Date: 01/14/2022 05:04 Calibration ID: 31897

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 # LVL 13 #	LVL 2 # LVL 8 #	LVL 3 # LVL 9 #	LVL 4 # LVL 10 #	LVL 5 # LVL 11 #	LVL 6 # LVL 12 #	LVL 1 LVL 7 LVL 13	LVL 2 LVL 8	LVL 3 LVL 9	LVL 4 LVL 10	LVL 5 LVL 11	LVL 6 LVL 12
2-Fluorobiphenyl	7.4						50					
2,4,6-Tribromophenol	+++++ +++++	+++++	+++++	24.6						30		
Fluoranthene-d10 (Surr)	+++++	0.2						50				
Terphenyl-d14	+++++	+++++	24.5						50			

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b014.D
Lims ID: std13
Client ID:
Sample Type: IC Calib Level: 13
Inject. Date: 14-Jan-2022 01:16:30 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 13
Operator ID: jcm Instrument ID: TAC050
Sublist: chrom-TAC050_SIM_PAH*sub9

Method: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\TAC050_SIM_PAH.m
Limit Group: 8270D_SIM QSM 5.0
Last Update: 14-Jan-2022 15:42:07 Calib Date: 14-Jan-2022 05:04:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D

Column 1 : Det: MS SCAN
Process Host: CTX1628

First Level Reviewer: limmere Date: 14-Jan-2022 09:57:37

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 Naphthalene-d8	136	5.175	5.175	0.000	89	23790	100.0	100.0	
* 2 Acenaphthene-d10	164	6.858	6.858	0.000	71	12417	100.0	100.0	
* 3 Phenanthrene-d10	188	8.323	8.323	0.000	56	19239	100.0	100.0	
* 4 Chrysene-d12	240	11.039	11.039	0.000	18	16035	100.0	100.0	
* 5 Perylene-d12	264	13.084	13.084	0.000	69	18181	100.0	100.0	
$ 6 2-methylnaphthalene-d10	152	5.814	5.814	0.000	67	1343563	10000	9546.4	
$ 10 2-Fluorobiphenyl	172	6.197	6.197	0.000	0	1730752	10000	8710.6	
$ 7 2,4,6-Tribromophenol	330	7.637	7.637	0.000	57	364048	10000	8339.9	
$ 8 Fluoranthene-d10 (Surr)	212	9.510	9.510	0.000	69	1947324	10000	9808.5	
$ 9 Terphenyl-d14	244	9.904	9.904	0.000	95	1444527	10000	9368.4	
11 Naphthalene	128	5.194	5.194	0.000	100	2265154	10000	9002.4	
12 2-Methylnaphthalene	141	5.846	5.846	0.000	97	1398242	10000	9798.6	
13 1-Methylnaphthalene	141	5.942	5.942	0.000	98	1328414	10000	9610.9	
14 Acenaphthylene	152	6.722	6.722	0.000	100	2434168	10000	9272.6	
15 Acenaphthene	153	6.889	6.889	0.000	95	1491471	10000	9053.5	
16 Fluorene	166	7.399	7.399	0.000	95	1717929	10000	9353.8	
17 Pentachlorophenol	266	8.134	8.134	0.000	98	677544	20000	11173	
18 Phenanthrene	178	8.346	8.346	0.000	100	2257550	10000	9342.3	
19 Anthracene	178	8.401	8.401	0.000	100	2384546	10000	9765.4	
20 Fluoranthene	202	9.530	9.530	0.000	52	2362929	10000	9897.3	
21 Pyrene	202	9.754	9.754	0.000	52	2467420	10000	9810.8	
22 Benzo[a]anthracene	228	11.026	11.026	0.000	95	2263685	10000	9832.7	M
23 Chrysene	228	11.071	11.071	0.000	99	2245321	10000	9346.7	
30 Bis(2-ethylhexyl) phthalate	149	11.902	11.902	0.000	0	3217562	10000	7450.6	
24 Benzo[b]fluoranthene	252	12.493	12.493	0.000	97	2440243	10000	10295	
25 Benzo[k]fluoranthene	252	12.534	12.534	0.000	95	2575872	10000	9697.4	
26 Benzo[a]pyrene	252	13.006	13.006	0.000	97	2428829	10000	10269	
27 Indeno[1,2,3-cd]pyrene	276	14.968	14.968	0.000	96	2126159	10000	9465.5	
28 Dibenz(a,h)anthracene	278	15.017	15.017	0.000	96	2428114	10000	10628	
29 Benzo[g,h,i]perylene	276	15.467	15.467	0.000	95	2416384	10000	9758.9	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

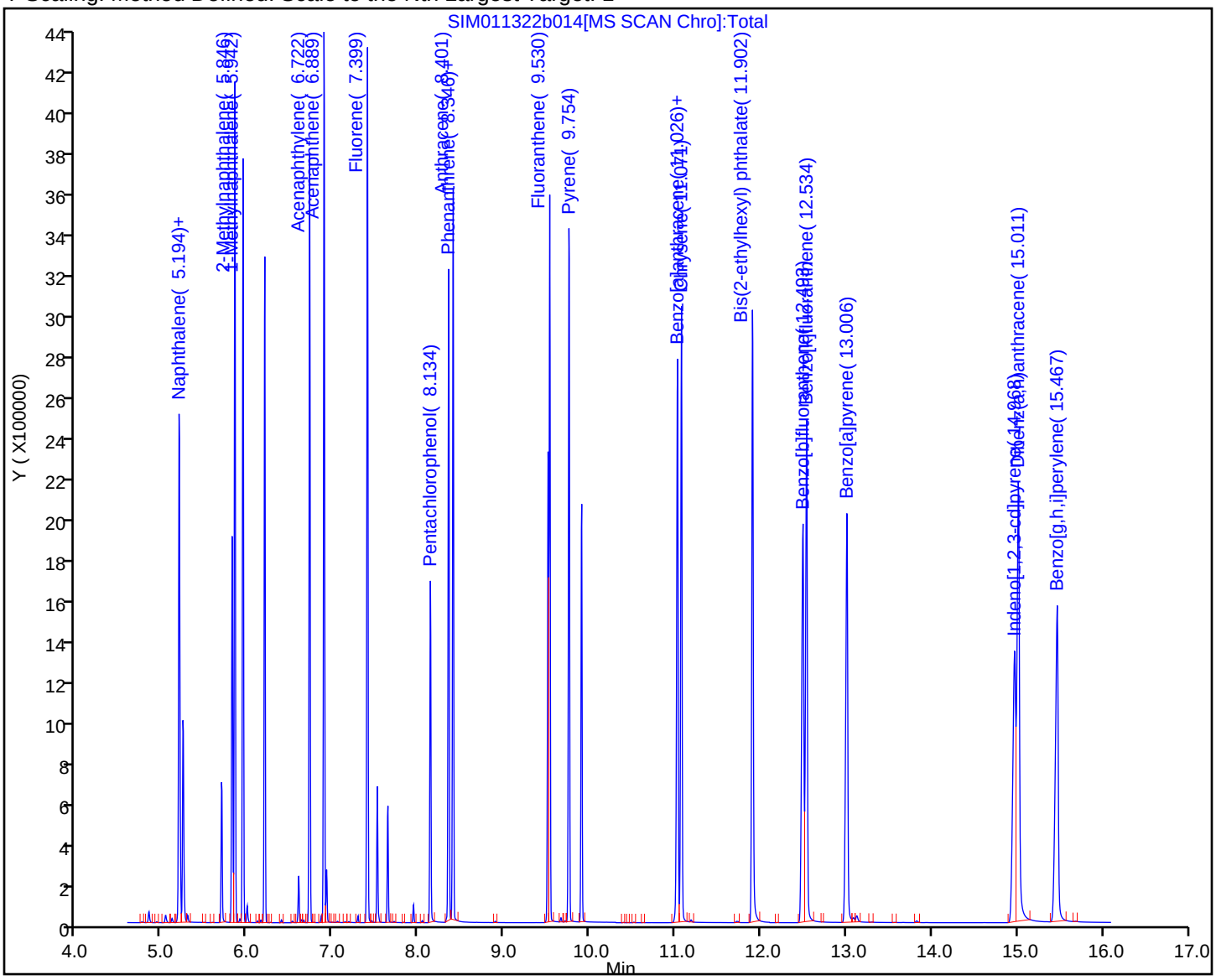
Reagents:

8270SIM_IS_00069	Amount Added: 10.00	Units: uL
8270_ic_stk_00062	Amount Added: 100.00	Units: uL

Report Date: 14-Jan-2022 15:42:07 Chrom Revision: 2.3 03-Jan-2022 17:03:12

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b014.D
Injection Date: 14-Jan-2022 01:16:30 Instrument ID: TAC050
Lims ID: std13
Client ID:
Operator ID: jcm ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle

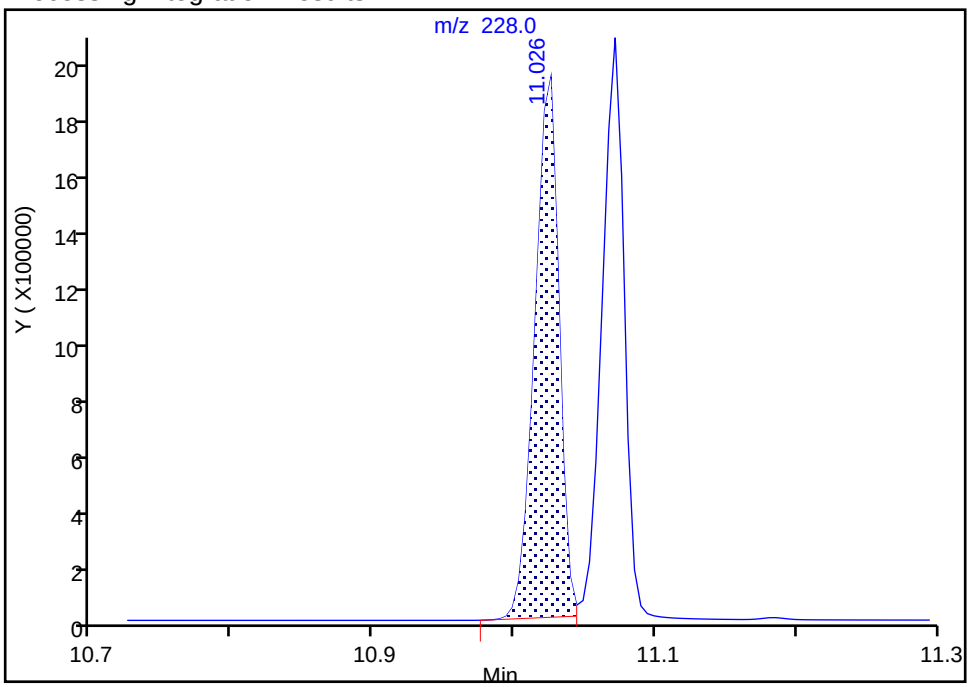
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b014.D
Injection Date: 14-Jan-2022 01:16:30 Instrument ID: TAC050
Lims ID: std13
Client ID:
Operator ID: jcm ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

22 Benzo[a]anthracene, CAS: 56-55-3

Signal: 1

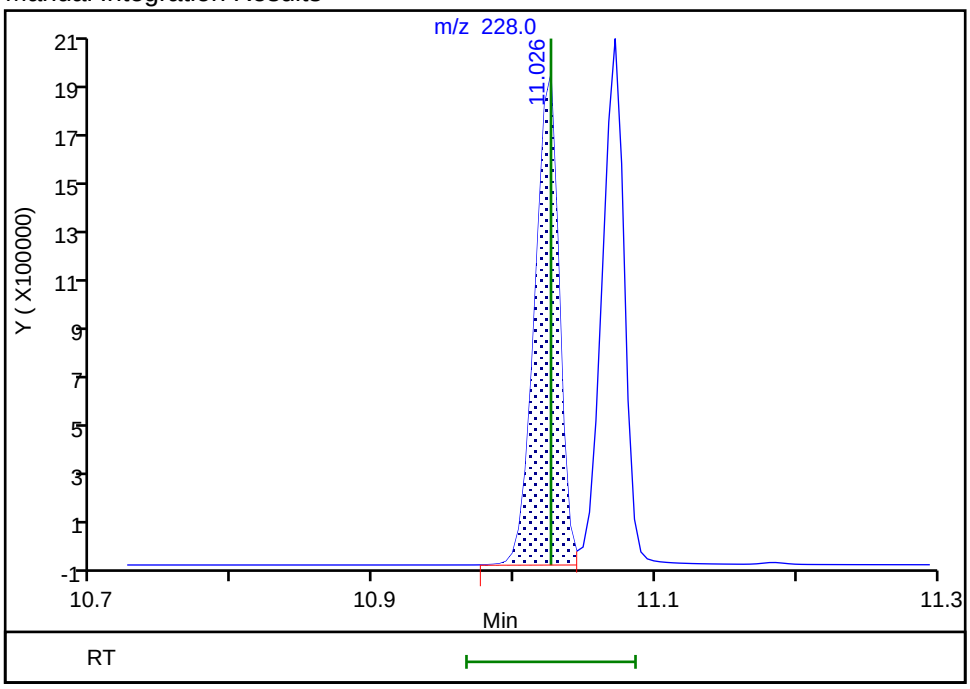
Processing Integration Results

RT: 11.03
Area: 2231499
Amount: 9753.1502
Amount Units: ug/L



Manual Integration Results

RT: 11.03
Area: 2263685
Amount: 9832.6716
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 13:59:36
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b015.D
Lims ID: std12
Client ID:
Sample Type: IC Calib Level: 12
Inject. Date: 14-Jan-2022 01:35:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 12
Operator ID: jcm Instrument ID: TAC050
Sublist: chrom-TAC050_SIM_PAH*sub9

Method: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\TAC050_SIM_PAH.m
Limit Group: 8270D_SIM QSM 5.0
Last Update: 14-Jan-2022 15:42:08 Calib Date: 14-Jan-2022 05:04:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D

Column 1 : Det: MS SCAN
Process Host: CTX1628

First Level Reviewer: limmere Date: 14-Jan-2022 09:58:25

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 Naphthalene-d8	136	5.175	5.175	0.000	90	21838	100.0	100.0	
* 2 Acenaphthene-d10	164	6.858	6.858	0.000	72	10611	100.0	100.0	
* 3 Phenanthrene-d10	188	8.319	8.323	-0.004	56	16729	100.0	100.0	
* 4 Chrysene-d12	240	11.035	11.039	-0.004	40	13293	100.0	100.0	
* 5 Perylene-d12	264	13.079	13.084	-0.005	69	15703	100.0	100.0	
$ 6 2-methylnaphthalene-d10	152	5.814	5.814	0.000	67	658935	5000.0	5100.4	
$ 10 2-Fluorobiphenyl	172	6.193	6.197	-0.004	0	829635	5000.0	4886.1	
$ 7 2,4,6-Tribromophenol	330	7.632	7.637	-0.005	58	168193	5000.0	4994.1	
$ 8 Fluoranthene-d10 (Surr)	212	9.506	9.510	-0.004	69	927539	5000.0	5372.4	
$ 9 Terphenyl-d14	244	9.900	9.904	-0.004	95	689419	5000.0	5142.1	
11 Naphthalene	128	5.194	5.194	0.000	100	1129737	5000.0	4891.3	
12 2-Methylnaphthalene	141	5.846	5.846	0.000	92	673905	5000.0	5144.7	
13 1-Methylnaphthalene	141	5.937	5.942	-0.005	99	645502	5000.0	5087.5	
14 Acenaphthylene	152	6.717	6.722	-0.005	100	1173013	5000.0	5228.9	
15 Acenaphthene	153	6.889	6.889	0.000	99	714176	5000.0	5073.0	
16 Fluorene	166	7.394	7.399	-0.005	96	811630	5000.0	5171.3	
17 Pentachlorophenol	266	8.130	8.134	-0.004	98	308802	10000	7873.5	
18 Phenanthrene	178	8.346	8.346	0.000	99	1092665	5000.0	5199.6	
19 Anthracene	178	8.397	8.401	-0.004	99	1141218	5000.0	5374.4	
20 Fluoranthene	202	9.526	9.530	-0.004	52	1100144	5000.0	5298.9	
21 Pyrene	202	9.750	9.754	-0.004	52	1161089	5000.0	5308.7	
22 Benzo[a]anthracene	228	11.017	11.026	-0.009	95	1050296	5000.0	5502.6	M
23 Chrysene	228	11.062	11.071	-0.009	99	1050734	5000.0	5275.5	
30 Bis(2-ethylhexyl) phthalate	149	11.898	11.902	-0.004	0	1514360	5000.0	4861.6	Ma
24 Benzo[b]fluoranthene	252	12.479	12.493	-0.014	98	1135616	5000.0	5546.5	
25 Benzo[k]fluoranthene	252	12.525	12.534	-0.009	95	1206698	5000.0	5259.4	
26 Benzo[a]pyrene	252	12.997	13.006	-0.009	97	1131186	5000.0	5537.0	
27 Indeno[1,2,3-cd]pyrene	276	14.951	14.968	-0.017	96	990249	5000.0	5380.8	
28 Dibenz(a,h)anthracene	278	14.995	15.017	-0.022	97	1131196	5000.0	5732.3	
29 Benzo[g,h,i]perylene	276	15.445	15.467	-0.022	96	1159620	5000.0	5422.0	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8270_ic_stk_00062	Amount Added:	50.00	Units: uL
8270SIM_IS_00069	Amount Added:	10.00	Units: uL

Report Date: 14-Jan-2022 15:42:09 Chrom Revision: 2.3 03-Jan-2022 17:03:12

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b015.D

Injection Date: 14-Jan-2022 01:35:30 Instrument ID: TAC050

Lims ID: std12

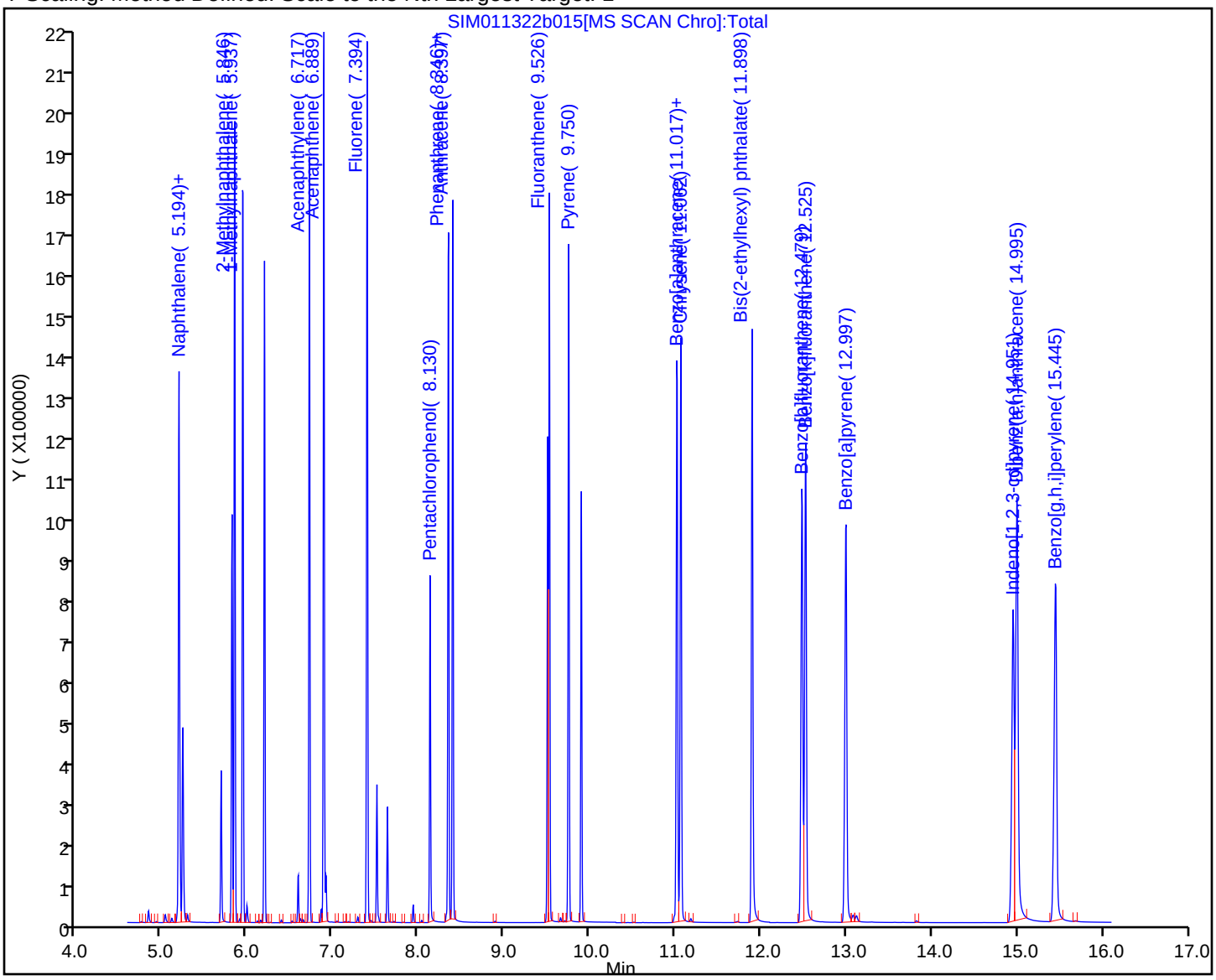
Client ID:

Operator ID: jcm ALS Bottle#: 5 Worklist Smp#: 5

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle

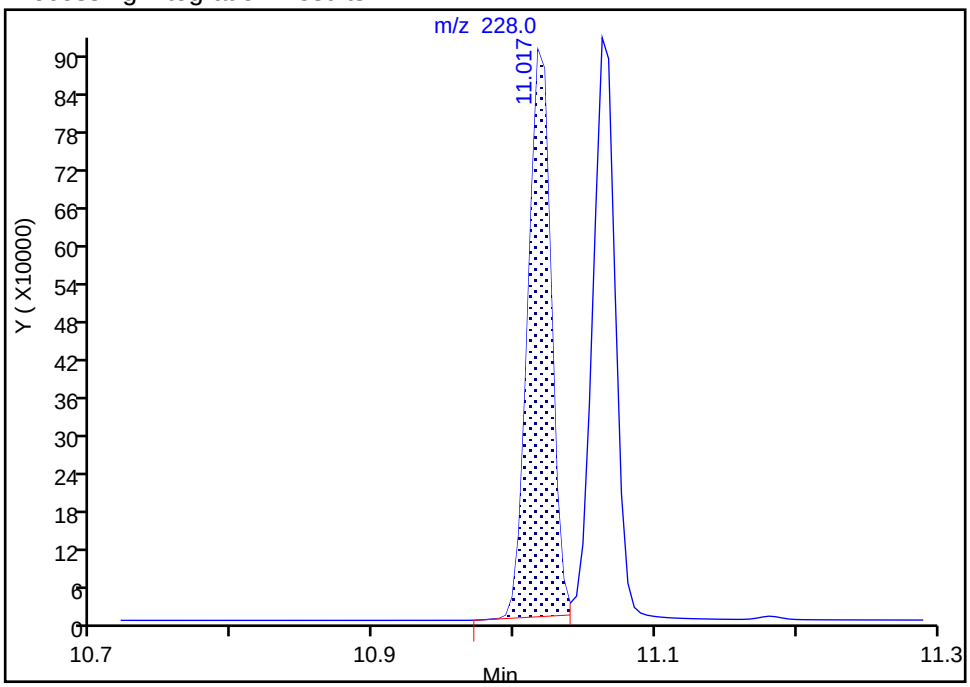
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b015.D				
Injection Date:	14-Jan-2022 01:35:30	Instrument ID:	TAC050		
Lims ID:	std12				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

22 Benzo[a]anthracene, CAS: 56-55-3

Signal: 1

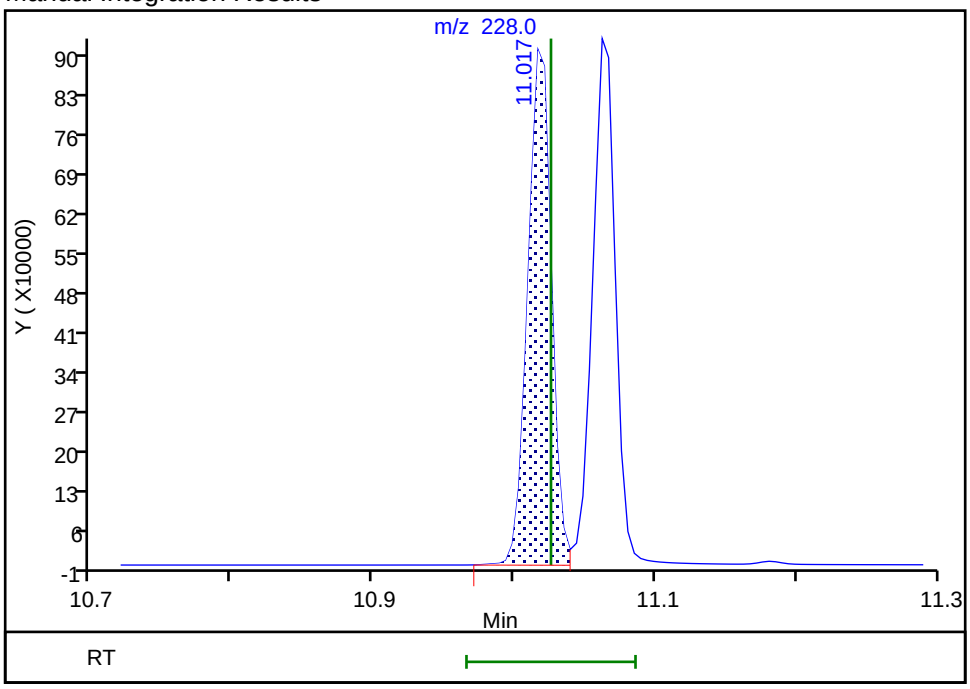
Processing Integration Results

RT: 11.02
Area: 1031944
Amount: 5429.8812
Amount Units: ug/L



Manual Integration Results

RT: 11.02
Area: 1050296
Amount: 5502.5959
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 13:59:56
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Seattle

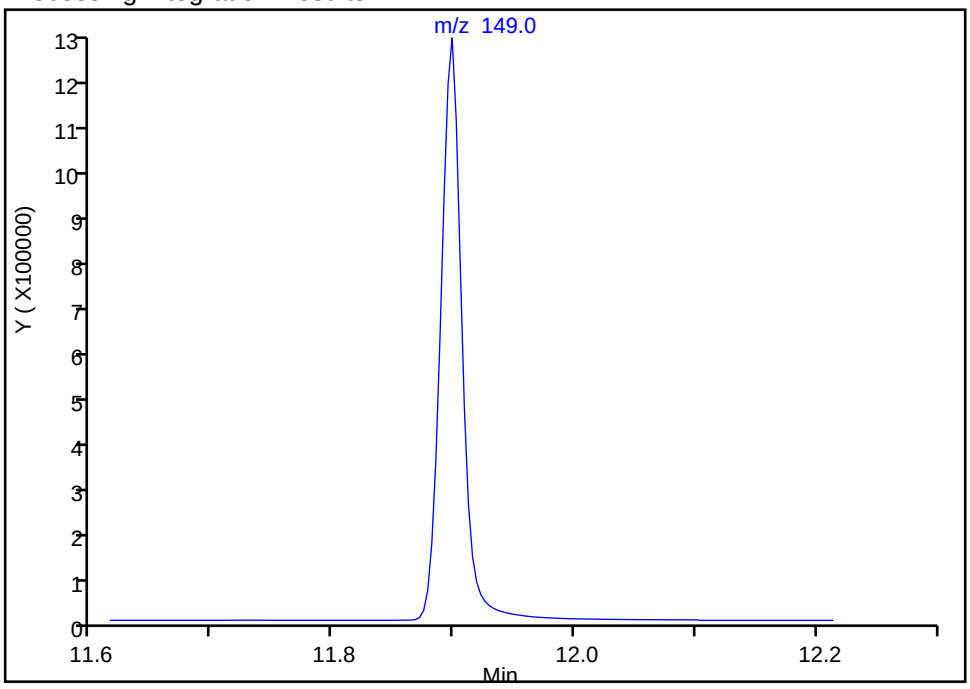
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b015.D				
Injection Date:	14-Jan-2022 01:35:30	Instrument ID:	TAC050		
Lims ID:	std12				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

30 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7

Signal: 1

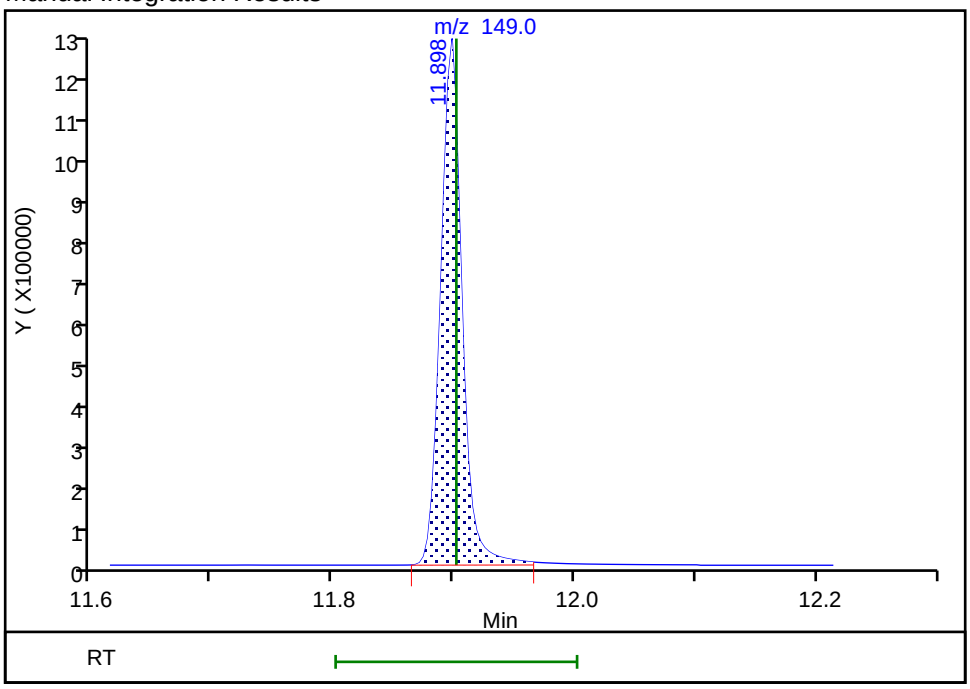
Not Detected
Expected RT: 11.90

Processing Integration Results



Manual Integration Results

RT: 11.90
Area: 1514360
Amount: 4861.6112
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 13:58:35
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b016.D
Lims ID: std11
Client ID:
Sample Type: IC Calib Level: 11
Inject. Date: 14-Jan-2022 01:54:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 11
Operator ID: jcm Instrument ID: TAC050
Sublist: chrom-TAC050_SIM_PAH*sub9

Method: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\TAC050_SIM_PAH.m
Limit Group: 8270D_SIM QSM 5.0
Last Update: 14-Jan-2022 15:42:10 Calib Date: 14-Jan-2022 05:04:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D

Column 1 : Det: MS SCAN
Process Host: CTX1628

First Level Reviewer: limmere Date: 14-Jan-2022 09:59:09

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 Naphthalene-d8	136	5.171	5.175	-0.004	90	22807	100.0	100.0	
* 2 Acenaphthene-d10	164	6.854	6.858	-0.004	70	10972	100.0	100.0	
* 3 Phenanthrene-d10	188	8.319	8.323	-0.004	56	17139	100.0	100.0	
* 4 Chrysene-d12	240	11.030	11.039	-0.009	57	13463	100.0	100.0	
* 5 Perylene-d12	264	13.079	13.084	-0.005	69	15642	100.0	100.0	
$ 6 2-methylnaphthalene-d10	152	5.814	5.814	0.000	67	259103	2000.0	1920.3	
$ 10 2-Fluorobiphenyl	172	6.193	6.197	-0.004	0	322797	2000.0	1838.5	
$ 7 2,4,6-Tribromophenol	330	7.628	7.637	-0.009	59	63090	2000.0	2006.5	
$ 8 Fluoranthene-d10 (Surr)	212	9.506	9.510	-0.004	68	358856	2000.0	2028.1	
$ 9 Terphenyl-d14	244	9.896	9.904	-0.008	96	265872	2000.0	1935.6	
11 Naphthalene	128	5.194	5.194	0.000	100	455448	2000.0	1888.1	
12 2-Methylnaphthalene	141	5.841	5.846	-0.005	96	260099	2000.0	1901.3	
13 1-Methylnaphthalene	141	5.937	5.942	-0.005	98	250376	2000.0	1889.5	
14 Acenaphthylene	152	6.717	6.722	-0.005	100	459226	2000.0	1979.7	
15 Acenaphthene	153	6.885	6.889	-0.004	96	279319	2000.0	1918.8	
16 Fluorene	166	7.394	7.399	-0.005	93	315659	2000.0	1945.0	
17 Pentachlorophenol	266	8.126	8.134	-0.008	97	100947	4000.0	3873.9	
18 Phenanthrene	178	8.342	8.346	-0.004	100	422623	2000.0	1962.3	
19 Anthracene	178	8.393	8.401	-0.008	100	429392	2000.0	1973.2	
20 Fluoranthene	202	9.522	9.530	-0.008	52	423401	2000.0	1989.8	
21 Pyrene	202	9.750	9.754	-0.004	51	452528	2000.0	2018.8	
22 Benzo[a]anthracene	228	11.017	11.026	-0.009	95	398056	2000.0	2058.3	M
23 Chrysene	228	11.058	11.071	-0.013	99	390408	2000.0	1934.5	
30 Bis(2-ethylhexyl) phthalate	149	11.895	11.902	-0.007	0	551318	2000.0	2081.1	Ma
24 Benzo[b]fluoranthene	252	12.475	12.493	-0.018	97	408952	2000.0	2004.7	
25 Benzo[k]fluoranthene	252	12.516	12.534	-0.018	96	459854	2000.0	2011.6	
26 Benzo[a]pyrene	252	12.988	13.006	-0.018	97	419408	2000.0	2060.4	
27 Indeno[1,2,3-cd]pyrene	276	14.941	14.968	-0.027	96	370557	2000.0	2113.1	
28 Dibenz(a,h)anthracene	278	14.989	15.017	-0.028	96	412698	2000.0	2099.1	
29 Benzo[g,h,i]perylene	276	15.434	15.467	-0.033	95	434660	2000.0	2039.8	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

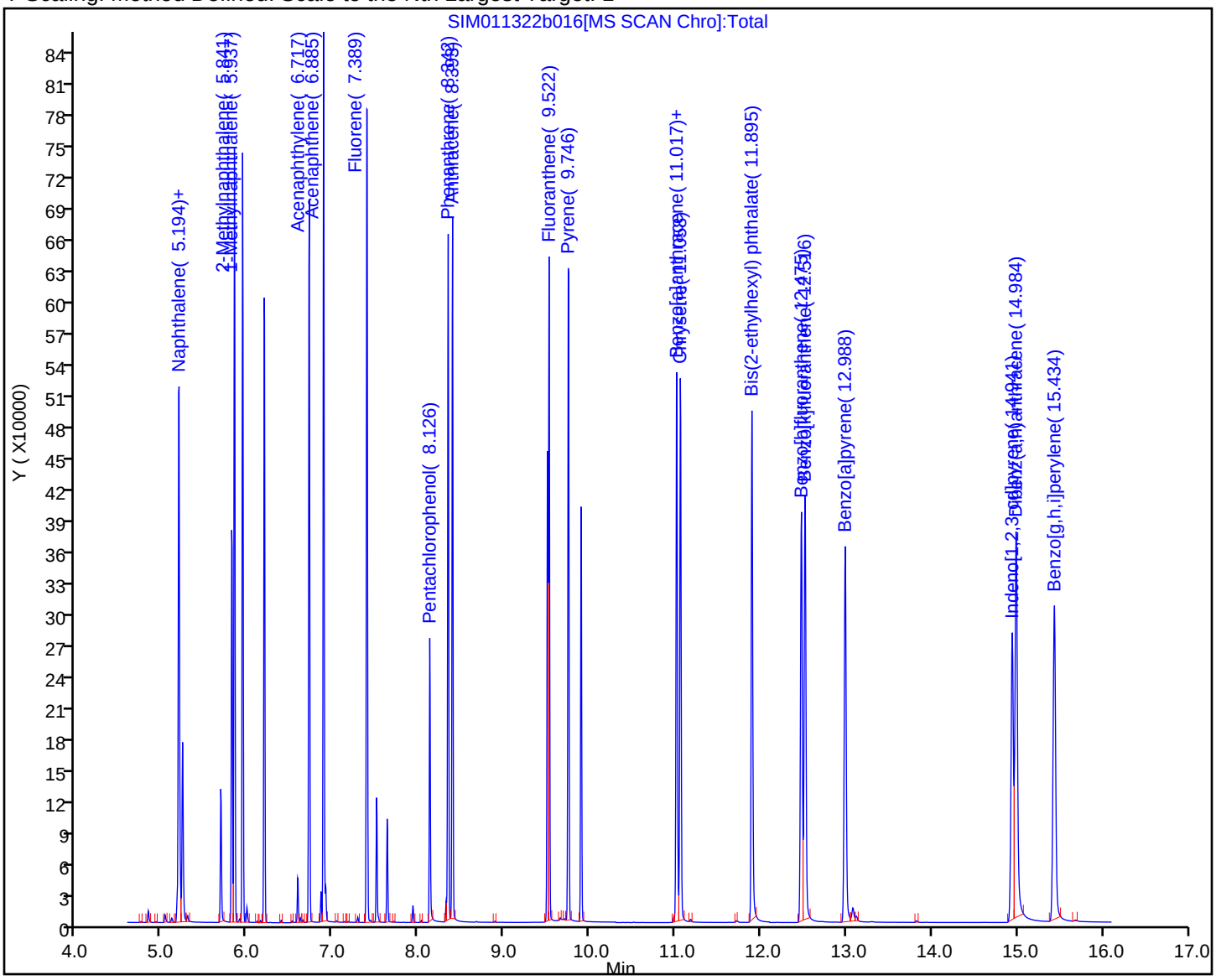
Reagents:

8270_ic_stk_00062	Amount Added:	20.00	Units: uL
8270SIM_IS_00069	Amount Added:	10.00	Units: uL

Report Date: 14-Jan-2022 15:42:10 Chrom Revision: 2.3 03-Jan-2022 17:03:12

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b016.D
Injection Date: 14-Jan-2022 01:54:30 Instrument ID: TAC050
Lims ID: std11
Client ID:
Operator ID: jcm ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Seattle

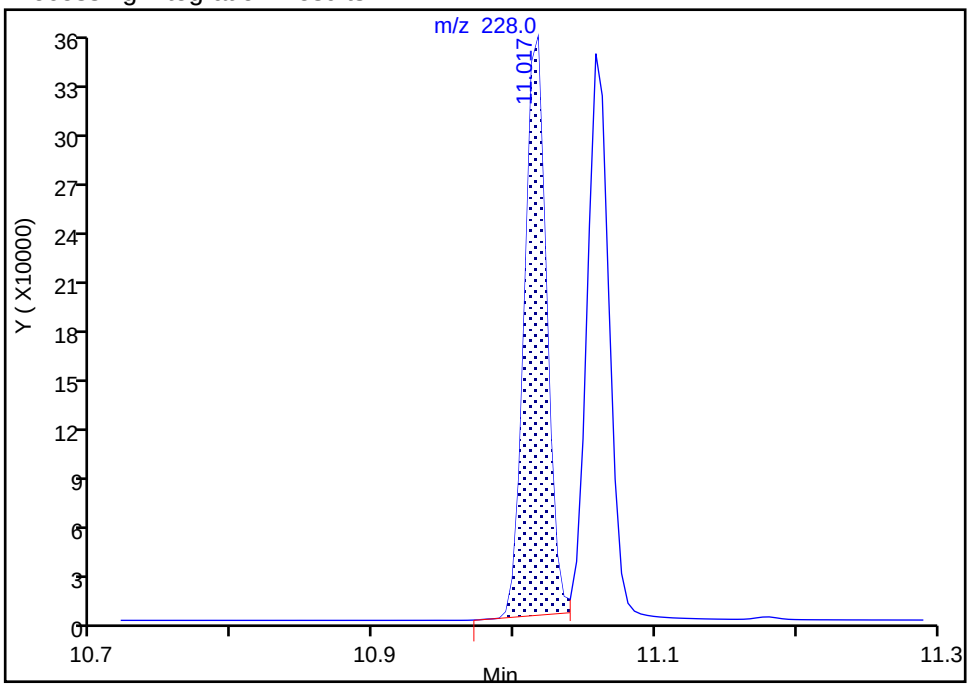
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b016.D				
Injection Date:	14-Jan-2022 01:54:30	Instrument ID:	TAC050		
Lims ID:	std11				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

22 Benzo[a]anthracene, CAS: 56-55-3

Signal: 1

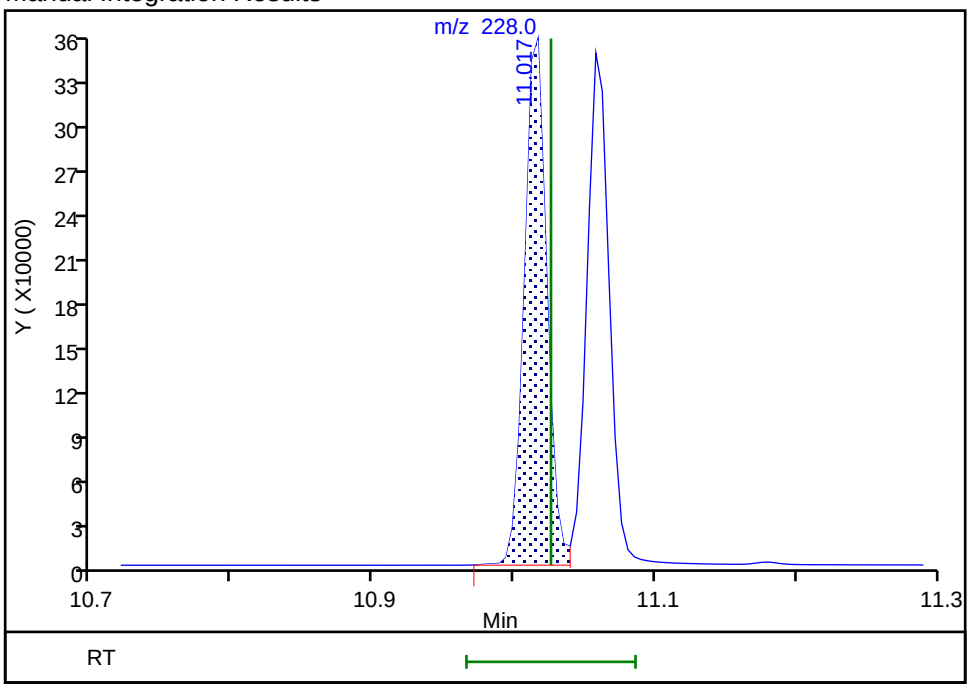
Processing Integration Results

RT: 11.02
Area: 388556
Amount: 2012.7373
Amount Units: ug/L



Manual Integration Results

RT: 11.02
Area: 398056
Amount: 2058.2970
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:00:43
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Seattle

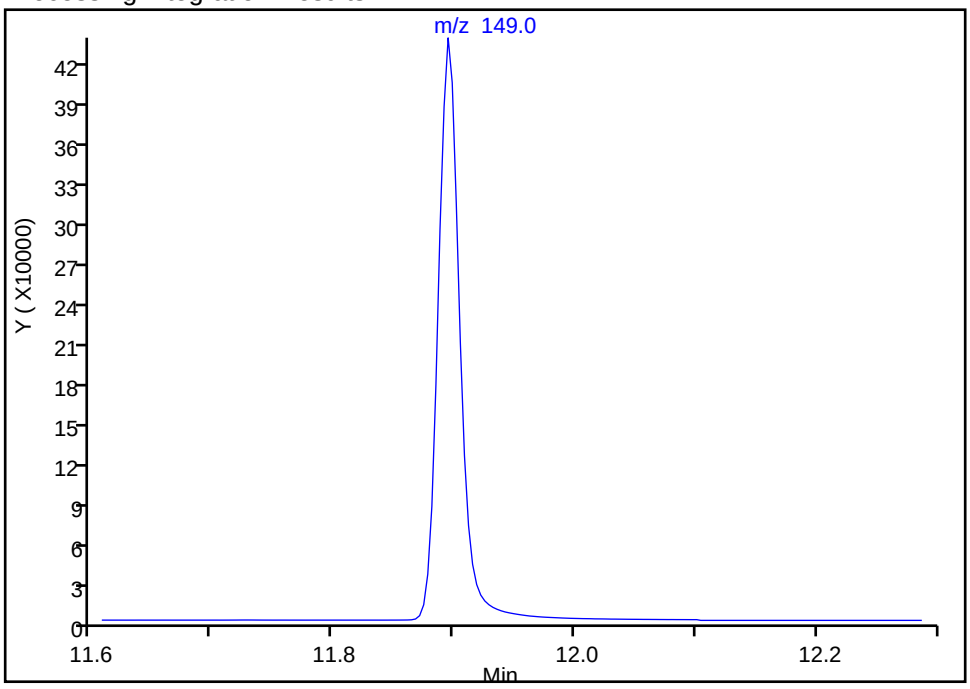
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b016.D
Injection Date: 14-Jan-2022 01:54:30 Instrument ID: TAC050
Lims ID: std11
Client ID:
Operator ID: jcm ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

30 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7

Signal: 1

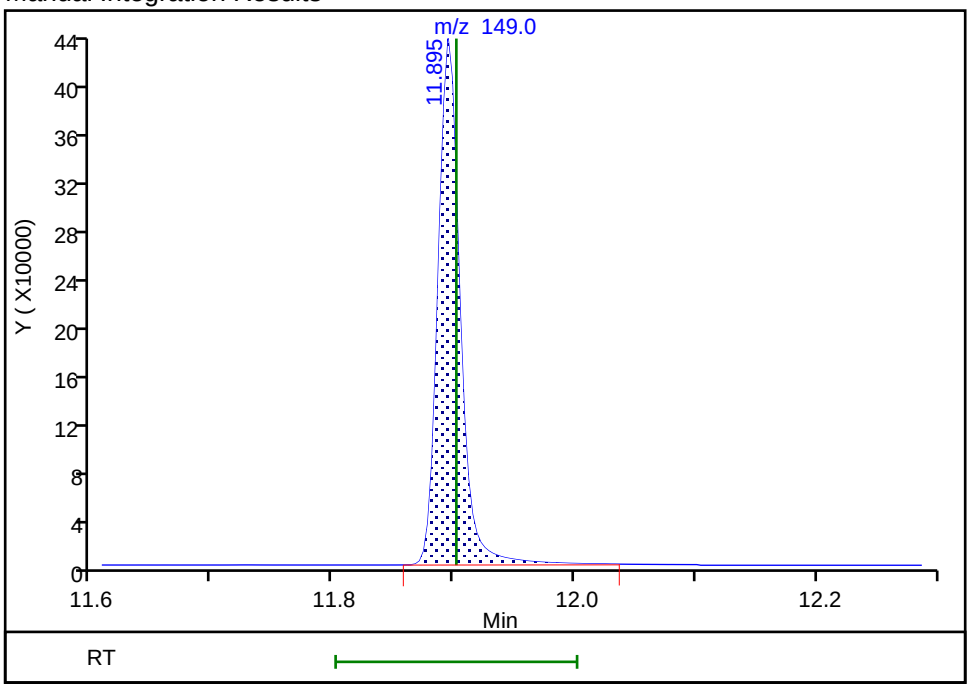
Not Detected
Expected RT: 11.90

Processing Integration Results



Manual Integration Results

RT: 11.89
Area: 551318
Amount: 2081.1144
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 13:58:57
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b017.D
Lims ID: std10
Client ID:
Sample Type: IC Calib Level: 10
Inject. Date: 14-Jan-2022 02:13:30 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 10
Operator ID: jcm Instrument ID: TAC050
Sublist: chrom-TAC050_SIM_PAH*sub9

Method: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\TAC050_SIM_PAH.m
Limit Group: 8270D_SIM QSM 5.0
Last Update: 14-Jan-2022 15:42:11 Calib Date: 14-Jan-2022 05:04:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D

Column 1 : Det: MS SCAN
Process Host: CTX1628

First Level Reviewer: limmere Date: 14-Jan-2022 10:02:14

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 Naphthalene-d8	136	5.171	5.175	-0.004	90	23211	100.0	100.0	
* 2 Acenaphthene-d10	164	6.854	6.858	-0.004	70	10998	100.0	100.0	
* 3 Phenanthrene-d10	188	8.319	8.323	-0.004	56	16806	100.0	100.0	
* 4 Chrysene-d12	240	11.026	11.039	-0.013	54	13626	100.0	100.0	
* 5 Perylene-d12	264	13.074	13.084	-0.010	69	15564	100.0	100.0	
$ 6 2-methylnaphthalene-d10	152	5.814	5.814	0.000	67	136490	1000.0	994.0	
$ 10 2-Fluorobiphenyl	172	6.193	6.197	-0.004	0	168952	1000.0	960.0	
$ 7 2,4,6-Tribromophenol	330	7.628	7.637	-0.009	58	31220	1000.0	1028.7	
$ 8 Fluoranthene-d10 (Surr)	212	9.502	9.510	-0.008	69	181549	1000.0	1045.8	
$ 9 Terphenyl-d14	244	9.896	9.904	-0.008	95	138125	1000.0	1025.5	
11 Naphthalene	128	5.189	5.194	-0.005	100	242151	1000.0	986.4	
12 2-Methylnaphthalene	141	5.841	5.846	-0.005	96	135530	1000.0	973.5	
13 1-Methylnaphthalene	141	5.937	5.942	-0.005	98	130882	1000.0	970.5	
14 Acenaphthylene	152	6.717	6.722	-0.005	100	237007	1000.0	1019.3	
15 Acenaphthene	153	6.884	6.889	-0.005	96	145402	1000.0	996.5	
16 Fluorene	166	7.394	7.399	-0.005	92	163209	1000.0	1003.3	
17 Pentachlorophenol	266	8.126	8.134	-0.008	97	44279	2000.0	2176.5	
18 Phenanthrene	178	8.342	8.346	-0.004	100	217890	1000.0	1031.2	
19 Anthracene	178	8.393	8.401	-0.008	100	218902	1000.0	1025.4	
20 Fluoranthene	202	9.522	9.530	-0.008	52	216797	1000.0	1038.5	
21 Pyrene	202	9.746	9.754	-0.008	52	231682	1000.0	1053.5	
22 Benzo[a]anthracene	228	11.012	11.026	-0.014	95	203397	1000.0	1038.5	M
23 Chrysene	228	11.058	11.071	-0.013	99	203276	1000.0	994.5	
30 Bis(2-ethylhexyl) phthalate	149	11.895	11.902	-0.007	0	269774	1000.0	1080.2	Ma
24 Benzo[b]fluoranthene	252	12.470	12.493	-0.023	98	209981	1000.0	1034.1	a
25 Benzo[k]fluoranthene	252	12.516	12.534	-0.018	95	229502	1000.0	1008.6	
26 Benzo[a]pyrene	252	12.983	13.006	-0.023	97	213598	1000.0	1054.2	
27 Indeno[1,2,3-cd]pyrene	276	14.935	14.968	-0.033	96	187487	1000.0	1090.0	
28 Dibenz(a,h)anthracene	278	14.984	15.017	-0.033	96	209663	1000.0	1071.5	
29 Benzo[g,h,i]perylene	276	15.429	15.467	-0.038	95	221508	1000.0	1044.4	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

ccv_8270_1000_00057 Amount Added: 1.00 Units: mL

Report Date: 14-Jan-2022 15:42:11 Chrom Revision: 2.3 03-Jan-2022 17:03:12

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b017.D

Injection Date: 14-Jan-2022 02:13:30 Instrument ID: TAC050

Lims ID: std10

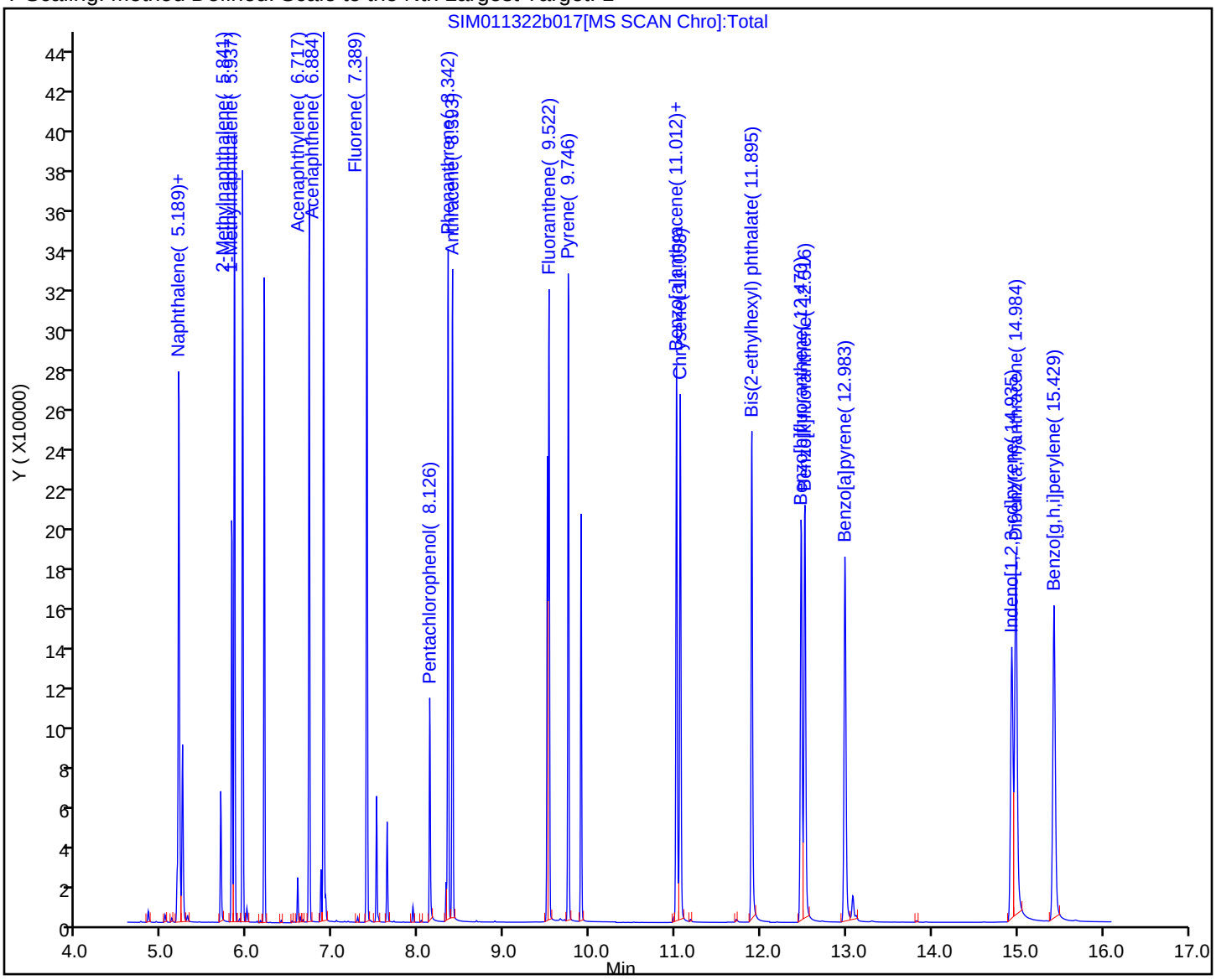
Client ID:

Operator ID: jcm ALS Bottle#: 7 Worklist Smp#: 7

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Seattle

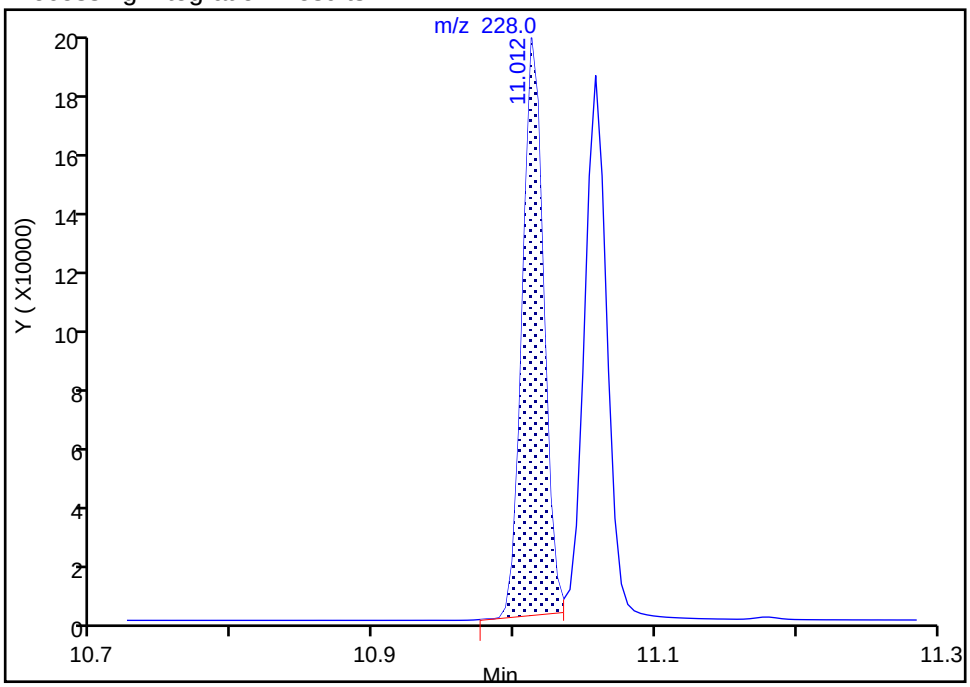
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b017.D				
Injection Date:	14-Jan-2022 02:13:30	Instrument ID:	TAC050		
Lims ID:	std10				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

22 Benzo[a]anthracene, CAS: 56-55-3

Signal: 1

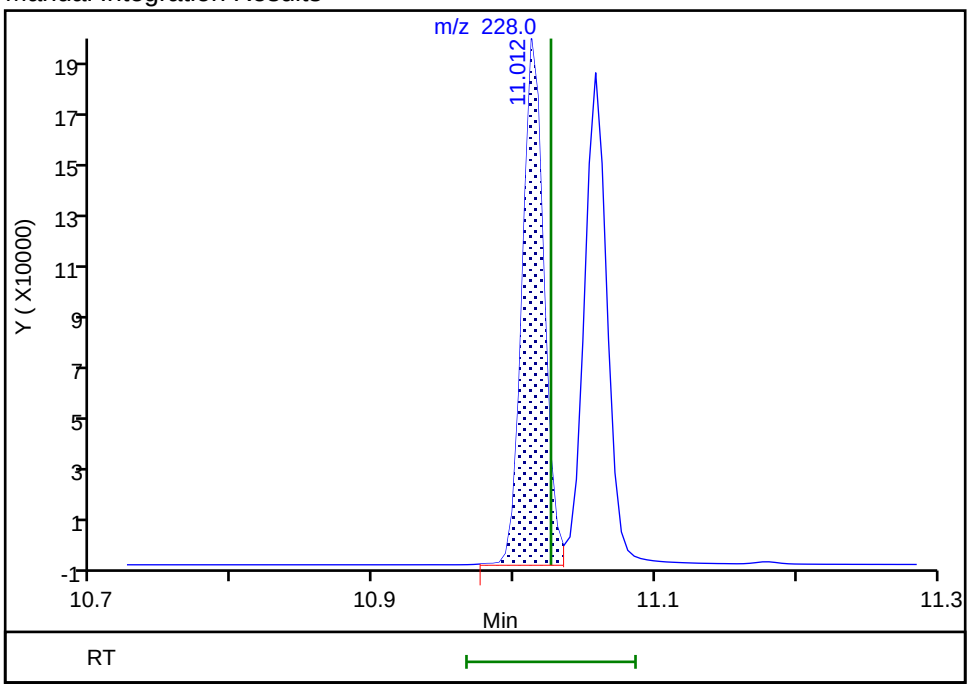
Processing Integration Results

RT: 11.01
Area: 198209
Amount: 1012.8519
Amount Units: ug/L



Manual Integration Results

RT: 11.01
Area: 203397
Amount: 1038.5090
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:01:21

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Seattle

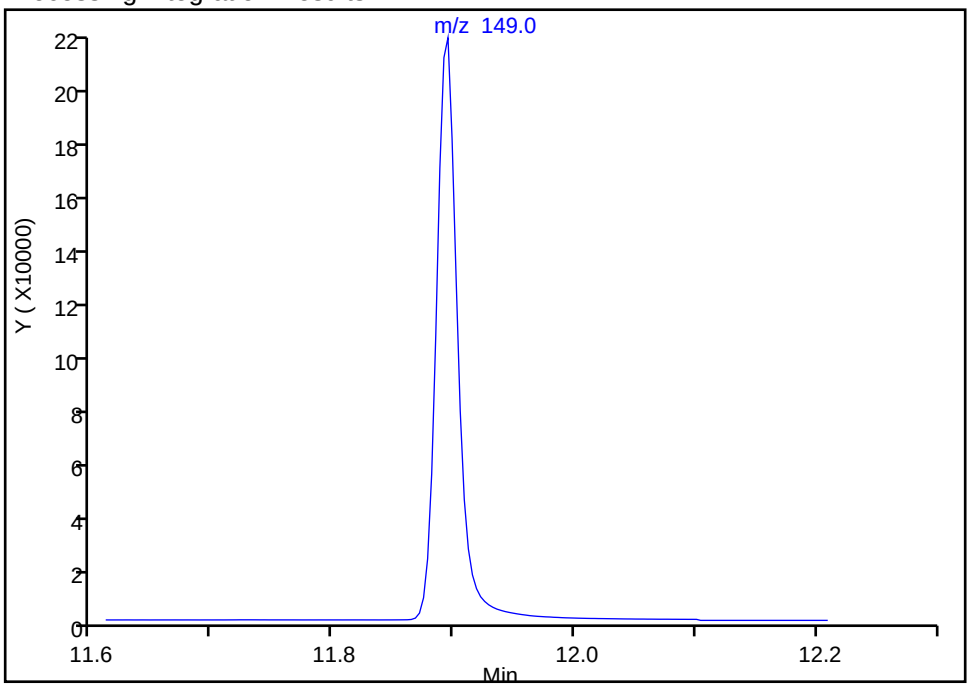
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b017.D
Injection Date: 14-Jan-2022 02:13:30 Instrument ID: TAC050
Lims ID: std10
Client ID:
Operator ID: jcm ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

30 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7

Signal: 1

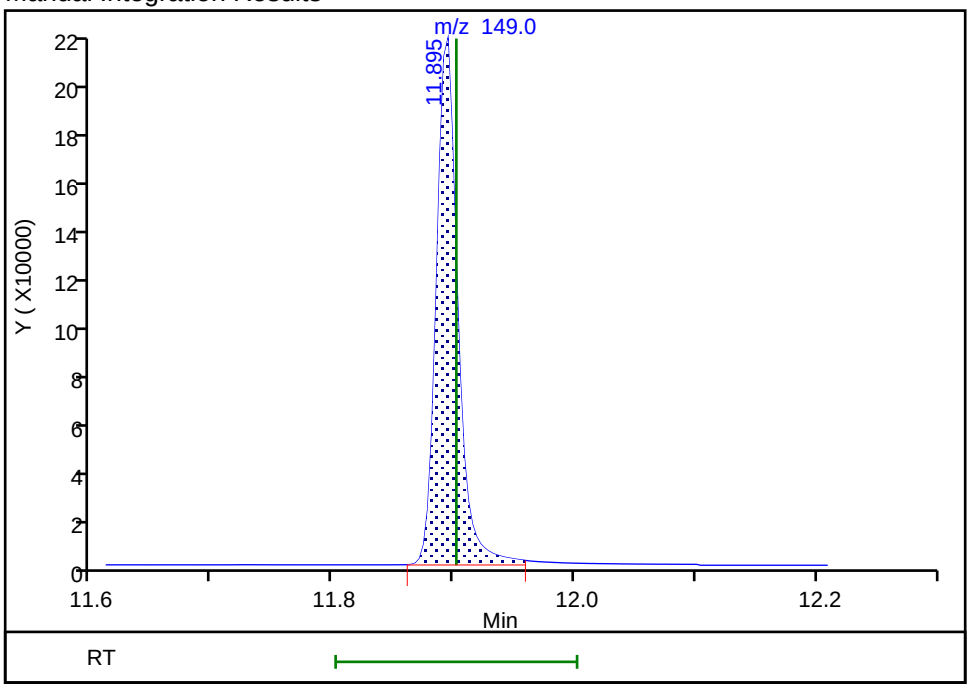
Not Detected
Expected RT: 11.90

Processing Integration Results



Manual Integration Results

RT: 11.89
Area: 269774
Amount: 1080.1509
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:01:12
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Seattle

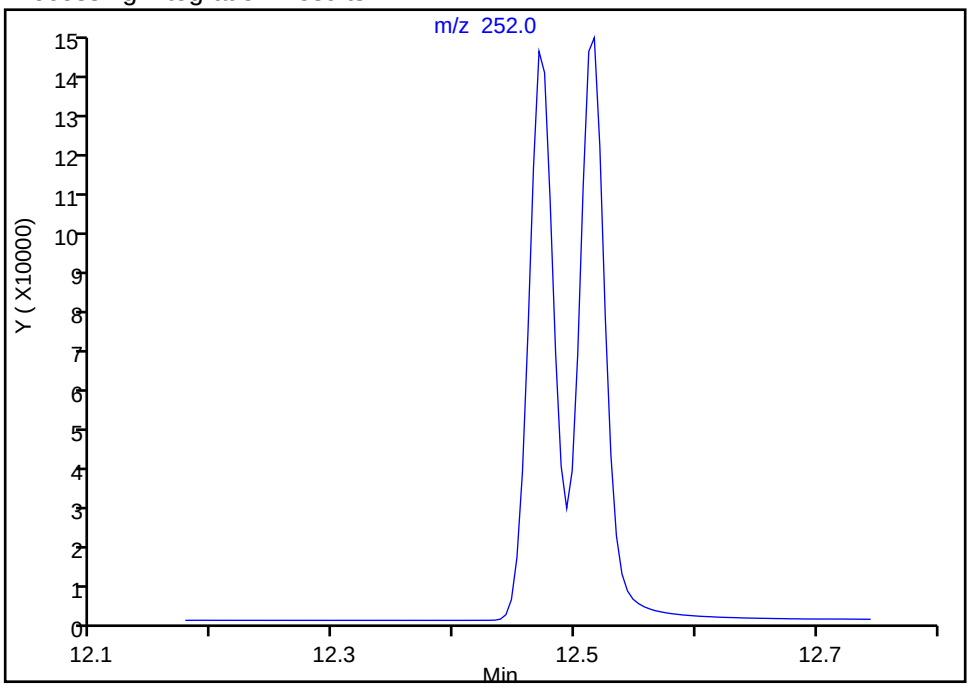
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b017.D				
Injection Date:	14-Jan-2022 02:13:30	Instrument ID:	TAC050		
Lims ID:	std10				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

24 Benzo[b]fluoranthene, CAS: 205-99-2

Signal: 1

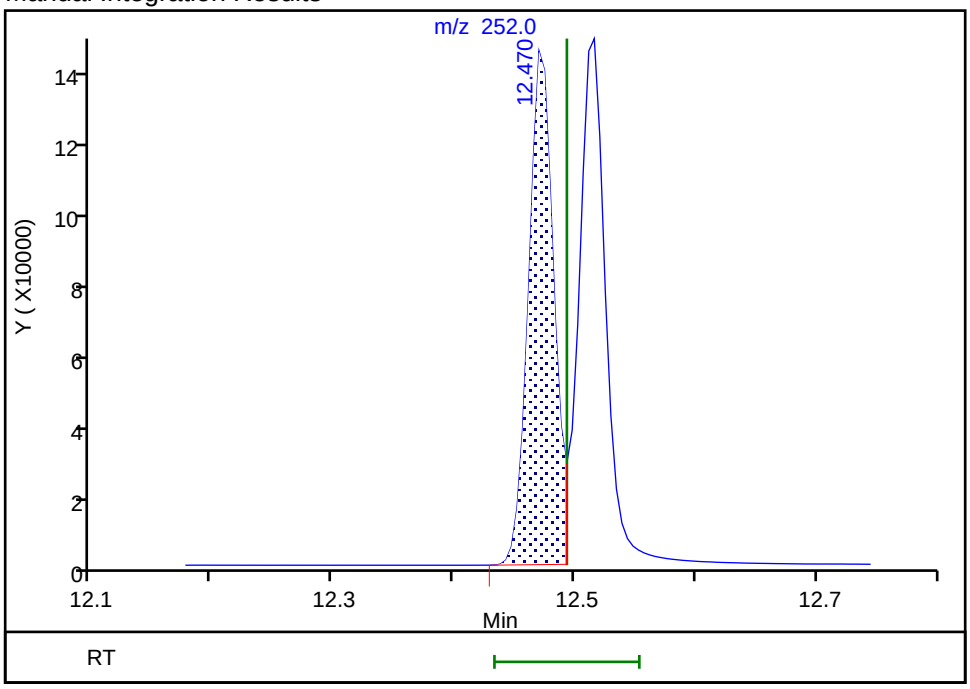
Not Detected
Expected RT: 12.49

Processing Integration Results



Manual Integration Results

RT: 12.47
Area: 209981
Amount: 1034.0773
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:01:01
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b018.D
Lims ID: std9is
Client ID:
Sample Type: IC Calib Level: 9
Inject. Date: 14-Jan-2022 02:32:30 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 9
Operator ID: jcm Instrument ID: TAC050
Sublist: chrom-TAC050_SIM_PAH*sub9

Method: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\TAC050_SIM_PAH.m
Limit Group: 8270D_SIM QSM 5.0
Last Update: 14-Jan-2022 15:42:12 Calib Date: 14-Jan-2022 05:04:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D

Column 1 : Det: MS SCAN
Process Host: CTX1628

First Level Reviewer: limmere Date: 14-Jan-2022 09:56:33

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 Naphthalene-d8	136	5.171	5.171	0.000	90	22195	100.0	100.0	
* 2 Acenaphthene-d10	164	6.854	6.854	0.000	70	10323	100.0	100.0	
* 3 Phenanthrene-d10	188	8.319	8.319	0.000	56	15675	100.0	100.0	
* 4 Chrysene-d12	240	11.030	11.030	0.000	67	12522	100.0	100.0	
* 5 Perylene-d12	264	13.074	13.074	0.000	69	14247	100.0	100.0	
$ 6 2-methylnaphthalene-d10	152	5.809	5.809	0.000	67	66447	500.0	506.1	
$ 10 2-Fluorobiphenyl	172	6.190	6.190	0.000	0	81972	500.0	496.2	a
$ 7 2,4,6-Tribromophenol	330	7.628	7.628	0.000	59	13836	500.0	498.2	
$ 8 Fluoranthene-d10 (Surr)	212	9.502	9.502	0.000	69	82791	500.0	510.7	
$ 9 Terphenyl-d14	244	9.896	9.896	0.000	95	64209	500.0	511.1	
11 Naphthalene	128	5.189	5.189	0.000	100	118848	500.0	506.3	
12 2-Methylnaphthalene	141	5.841	5.841	0.000	95	66711	500.0	501.1	
13 1-Methylnaphthalene	141	5.937	5.937	0.000	97	63527	500.0	492.6	
14 Acenaphthylene	152	6.717	6.717	0.000	100	112225	500.0	514.2	
15 Acenaphthene	153	6.884	6.884	0.000	96	69640	500.0	508.5	
16 Fluorene	166	7.389	7.389	0.000	97	78269	500.0	512.6	
17 Pentachlorophenol	266	8.126	8.126	0.000	97	15457	1000.0	1053.9	
18 Phenanthrene	178	8.342	8.342	0.000	100	102631	500.0	520.2	
19 Anthracene	178	8.389	8.389	0.000	100	101772	500.0	510.7	
20 Fluoranthene	202	9.522	9.522	0.000	52	99999	500.0	513.0	
21 Pyrene	202	9.746	9.746	0.000	52	104547	500.0	509.0	
22 Benzo[a]anthracene	228	11.012	11.012	0.000	95	93139	500.0	516.8	M
23 Chrysene	228	11.057	11.057	0.000	99	96213	500.0	511.5	
30 Bis(2-ethylhexyl) phthalate	149	11.895	11.895	0.000	0	118452	500.0	537.3	Ma
24 Benzo[b]fluoranthene	252	12.470	12.470	0.000	98	97903	500.0	526.3	a
25 Benzo[k]fluoranthene	252	12.511	12.511	0.000	95	105112	500.0	504.2	
26 Benzo[a]pyrene	252	12.983	12.983	0.000	97	97822	500.0	527.0	
27 Indeno[1,2,3-cd]pyrene	276	14.935	14.935	0.000	96	84665	500.0	542.0	
28 Dibenz(a,h)anthracene	278	14.984	14.984	0.000	96	94470	500.0	527.1	
29 Benzo[g,h,i]perylene	276	15.429	15.429	0.000	95	100263	500.0	516.1	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

ccv_SIM_500_00086 Amount Added: 1.00 Units: mL

Report Date: 14-Jan-2022 15:42:13 Chrom Revision: 2.3 03-Jan-2022 17:03:12

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b018.D

Injection Date: 14-Jan-2022 02:32:30 Instrument ID: TAC050

Lims ID: std9is

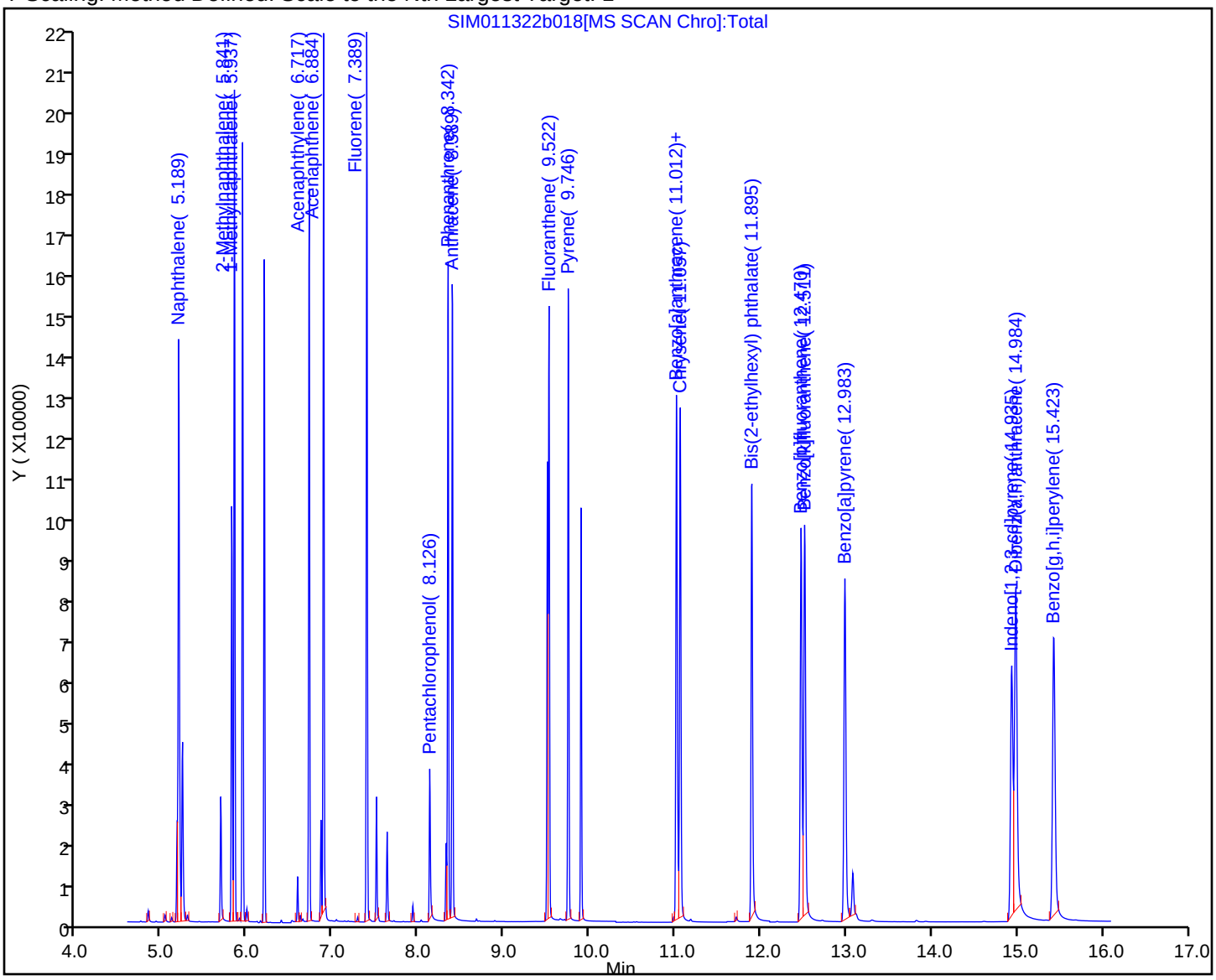
Client ID:

Operator ID: jcm ALS Bottle#: 8 Worklist Smp#: 8

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Seattle

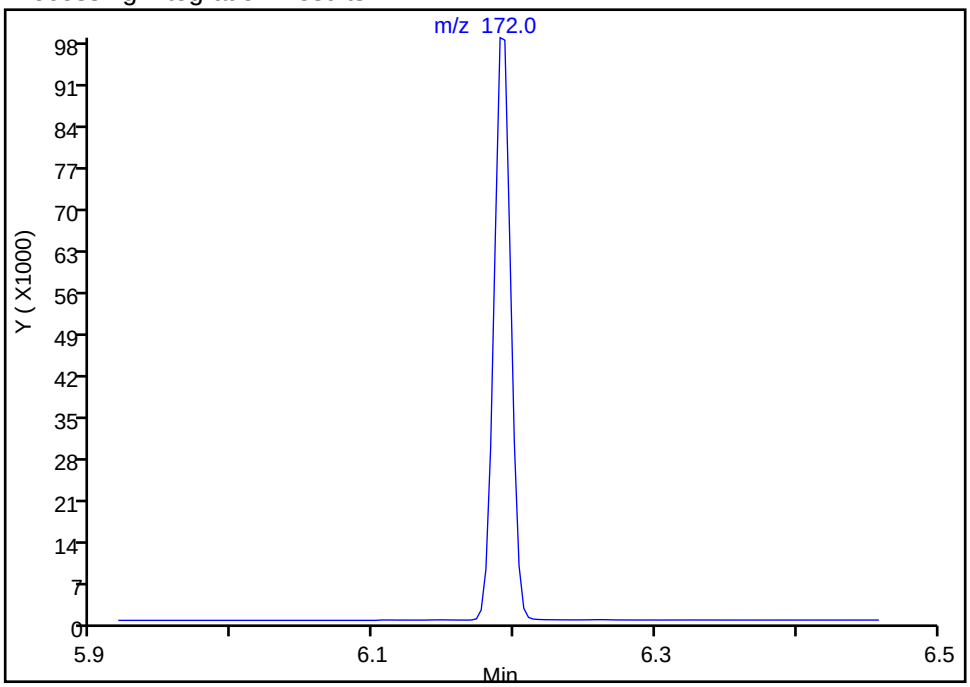
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b018.D
Injection Date: 14-Jan-2022 02:32:30 Instrument ID: TAC050
Lims ID: std9is
Client ID:
Operator ID: jcm ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

$ 10 2-Fluorobiphenyl, CAS: 321-60-8

Signal: 1

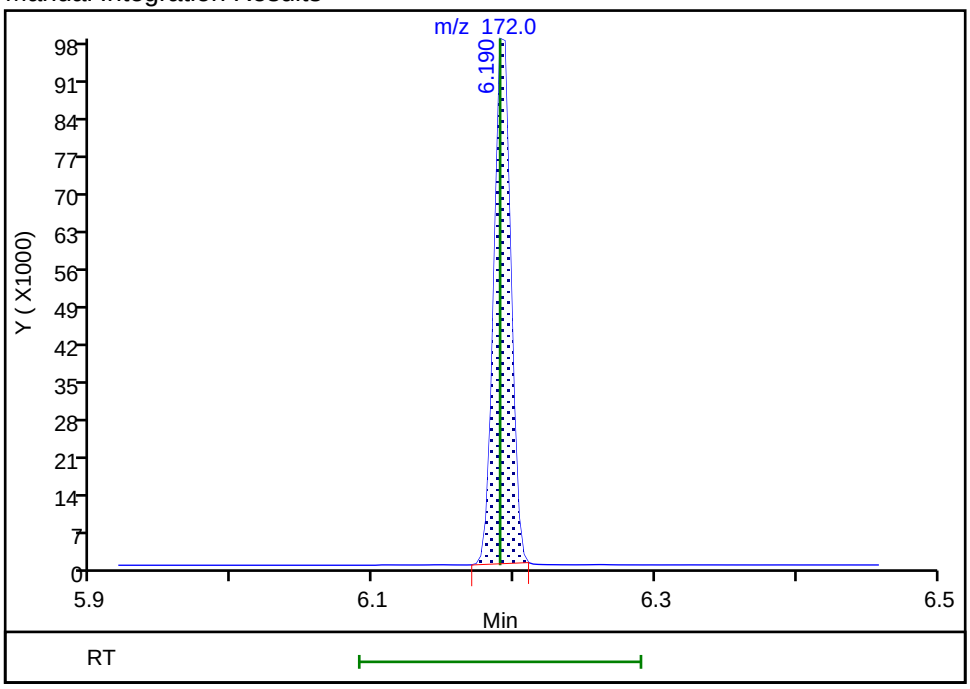
Not Detected
Expected RT: 6.19

Processing Integration Results



Manual Integration Results

RT: 6.19
Area: 81972
Amount: 496.2395
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:01:55
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Seattle

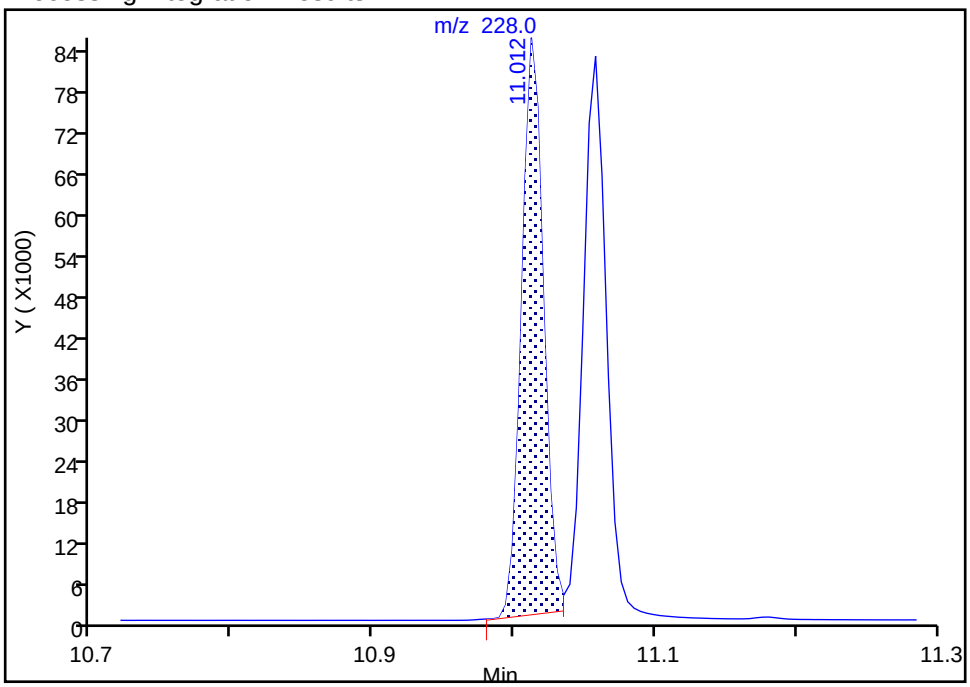
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b018.D				
Injection Date:	14-Jan-2022 02:32:30	Instrument ID:	TAC050		
Lims ID:	std9is				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

22 Benzo[a]anthracene, CAS: 56-55-3

Signal: 1

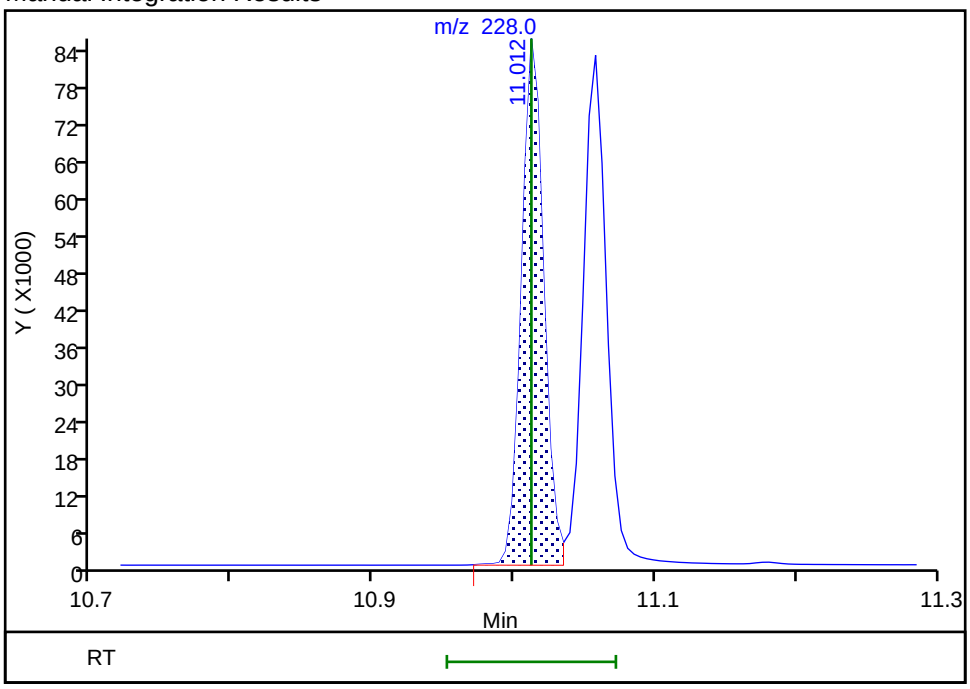
Processing Integration Results

RT: 11.01
Area: 90754
Amount: 502.2735
Amount Units: ug/L



Manual Integration Results

RT: 11.01
Area: 93139
Amount: 516.8199
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:02:21

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Seattle

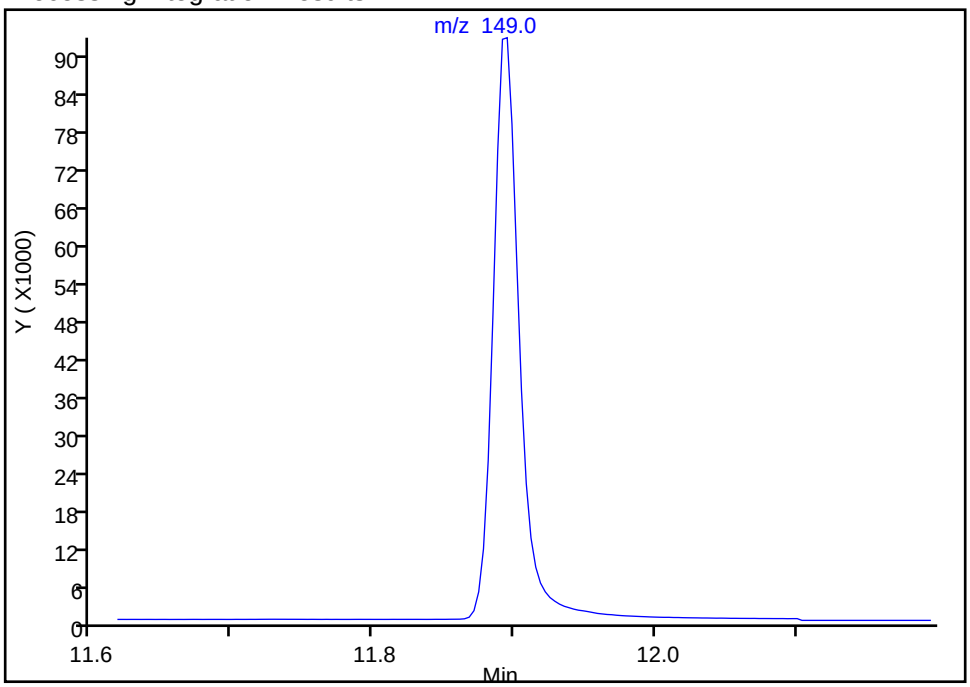
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b018.D
Injection Date: 14-Jan-2022 02:32:30 Instrument ID: TAC050
Lims ID: std9is
Client ID:
Operator ID: jcm ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

30 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7

Signal: 1

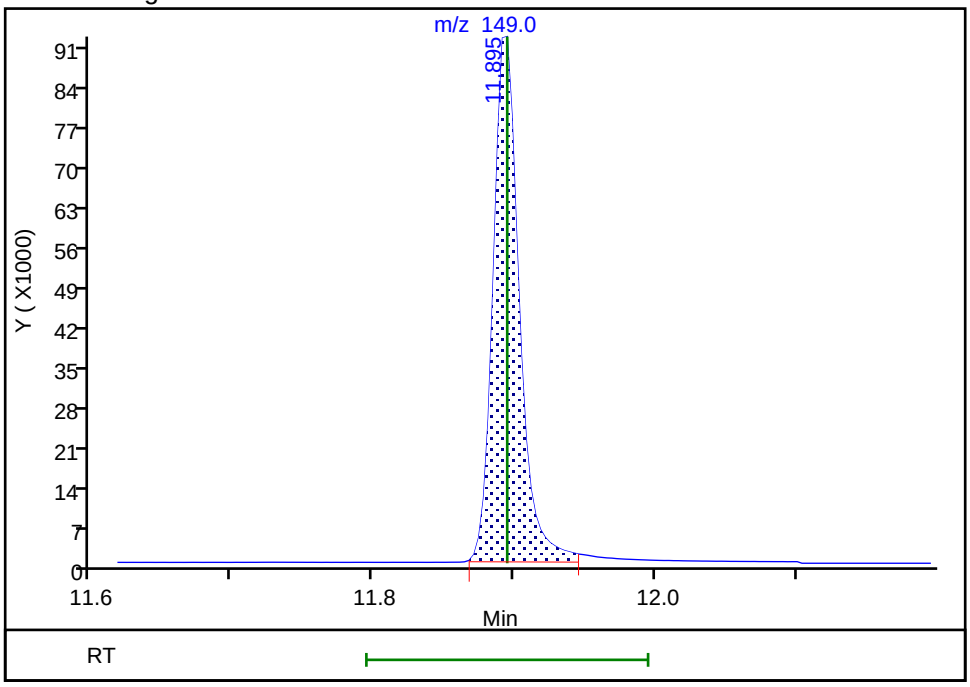
Not Detected
Expected RT: 11.89

Processing Integration Results



Manual Integration Results

RT: 11.89
Area: 118452
Amount: 537.2714
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:02:31
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Seattle

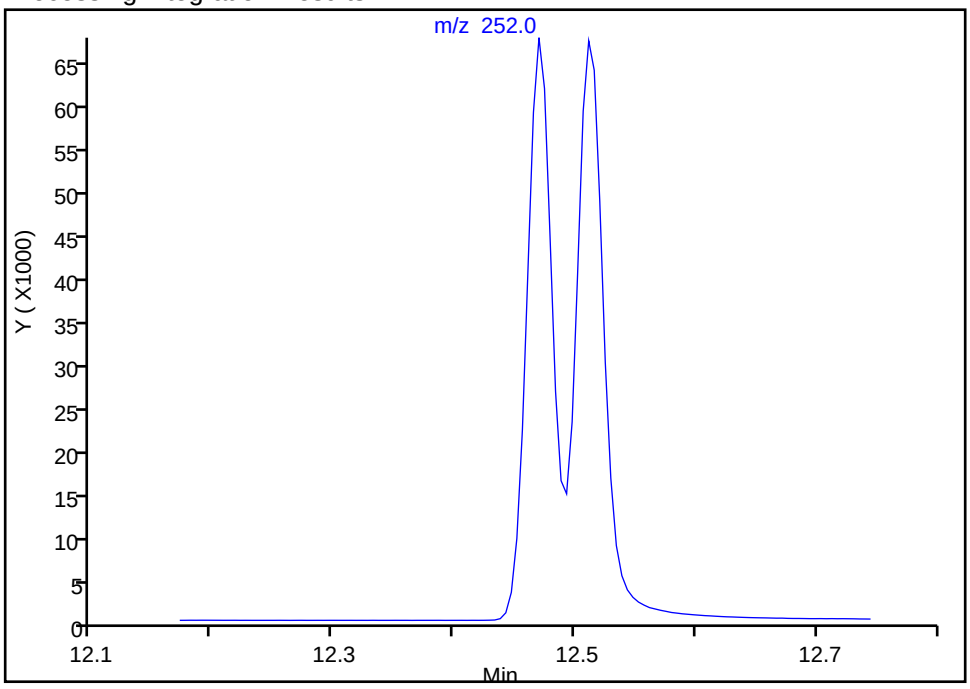
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b018.D				
Injection Date:	14-Jan-2022 02:32:30	Instrument ID:	TAC050		
Lims ID:	std9is				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

24 Benzo[b]fluoranthene, CAS: 205-99-2

Signal: 1

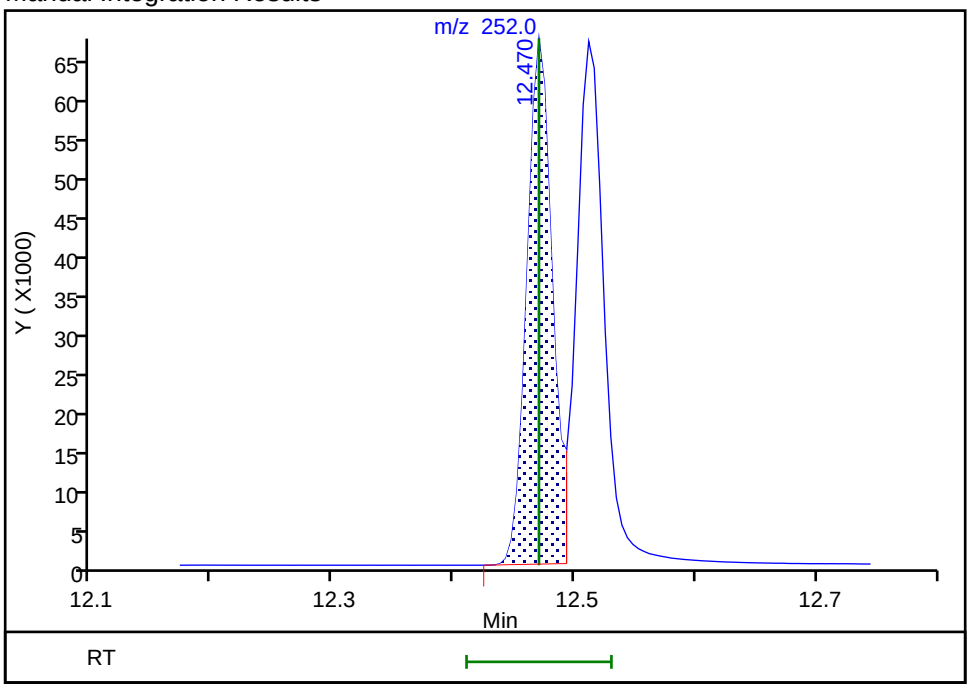
Not Detected
Expected RT: 12.47

Processing Integration Results



Manual Integration Results

RT: 12.47
Area: 97903
Amount: 526.3046
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:02:34
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b019.D
Lims ID: std8
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 14-Jan-2022 02:51:30 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 8
Operator ID: jcm Instrument ID: TAC050
Sublist: chrom-TAC050_SIM_PAH*sub9

Method: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\TAC050_SIM_PAH.m
Limit Group: 8270D_SIM QSM 5.0
Last Update: 14-Jan-2022 15:42:14 Calib Date: 14-Jan-2022 05:04:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D

Column 1 : Det: MS SCAN
Process Host: CTX1628

First Level Reviewer: limmere Date: 14-Jan-2022 10:03:39

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 Naphthalene-d8	136	5.171	5.171	0.000	90	25824	100.0	100.0	
* 2 Acenaphthene-d10	164	6.854	6.854	0.000	70	11755	100.0	100.0	
* 3 Phenanthrene-d10	188	8.319	8.319	0.001	56	18203	100.0	100.0	
* 4 Chrysene-d12	240	11.026	11.030	-0.004	72	14055	100.0	100.0	
* 5 Perylene-d12	264	13.075	13.074	0.001	69	16292	100.0	100.0	
$ 6 2-methylnaphthalene-d10	152	5.809	5.809	0.000	67	29353	200.0	192.1	
$ 10 2-Fluorobiphenyl	172	6.190	6.190	0.000	0	36875	200.0	196.0	Ma
$ 7 2,4,6-Tribromophenol	330	7.628	7.628	0.000	58	5623	200.0	183.4	
$ 8 Fluoranthene-d10 (Surr)	212	9.502	9.502	0.000	69	36319	200.0	192.2	
$ 9 Terphenyl-d14	244	9.896	9.896	0.000	95	26958	200.0	184.8	
11 Naphthalene	128	5.189	5.189	0.000	100	52945	200.0	193.8	
12 2-Methylnaphthalene	141	5.841	5.841	0.000	95	29681	200.0	191.6	
13 1-Methylnaphthalene	141	5.937	5.937	0.000	97	28297	200.0	188.6	
14 Acenaphthylene	152	6.717	6.717	0.000	100	48540	200.0	195.3	
15 Acenaphthene	153	6.885	6.884	0.001	96	30250	200.0	194.0	
16 Fluorene	166	7.389	7.389	0.000	97	33656	200.0	193.6	
17 Pentachlorophenol	266	8.126	8.126	0.000	96	4235	400.0	356.7	
18 Phenanthrene	178	8.338	8.342	-0.004	100	45268	200.0	196.9	
19 Anthracene	178	8.389	8.389	0.000	100	44171	200.0	190.3	
20 Fluoranthene	202	9.522	9.522	0.000	52	44105	200.0	194.1	
21 Pyrene	202	9.746	9.746	0.000	52	45971	200.0	192.0	
22 Benzo[a]anthracene	228	11.012	11.012	0.000	95	39640	200.0	195.2	M
23 Chrysene	228	11.058	11.057	0.001	98	41189	200.0	194.2	
30 Bis(2-ethylhexyl) phthalate	149	11.892	11.895	-0.003	0	49150	200.0	203.4	Ma
24 Benzo[b]fluoranthene	252	12.470	12.470	0.000	97	40711	200.0	190.9	a
25 Benzo[k]fluoranthene	252	12.512	12.511	0.001	95	46936	200.0	196.4	
26 Benzo[a]pyrene	252	12.983	12.983	0.000	97	41778	200.0	196.3	
27 Indeno[1,2,3-cd]pyrene	276	14.935	14.935	0.000	96	35765	200.0	201.3	M
28 Dibenz(a,h)anthracene	278	14.984	14.984	0.000	96	40164	200.0	195.6	a
29 Benzo[g,h,i]perylene	276	15.423	15.429	-0.006	95	44397	200.0	199.4	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

ccv_8270_1000_00057	Amount Added: 200.00	Units: uL
8270SIM_IS_00069	Amount Added: 8.00	Units: uL

Report Date: 14-Jan-2022 15:42:14 Chrom Revision: 2.3 03-Jan-2022 17:03:12

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b019.D

Injection Date: 14-Jan-2022 02:51:30 Instrument ID: TAC050

Lims ID: std8

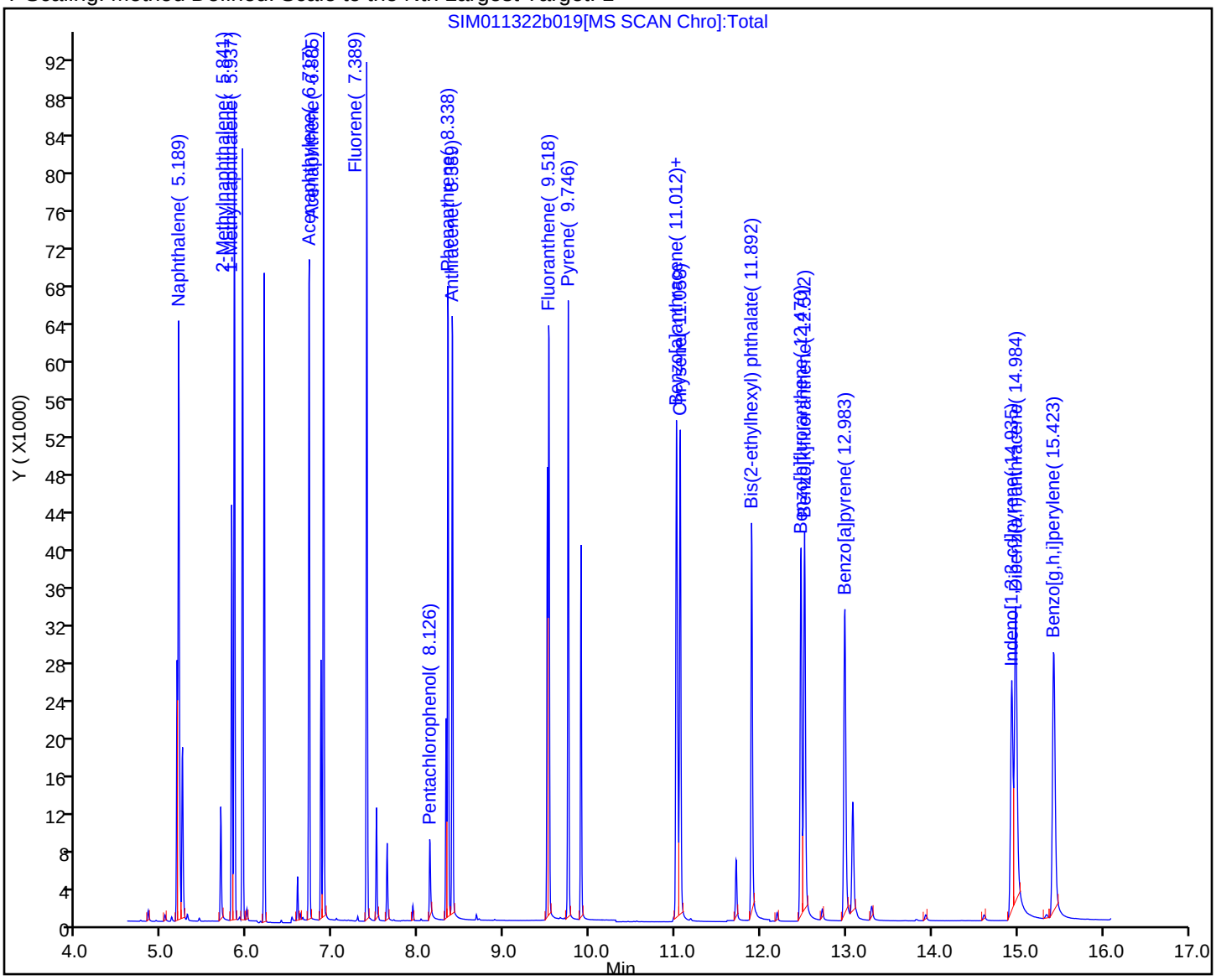
Client ID:

Operator ID: jcm ALS Bottle#: 9 Worklist Smp#: 9

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Seattle

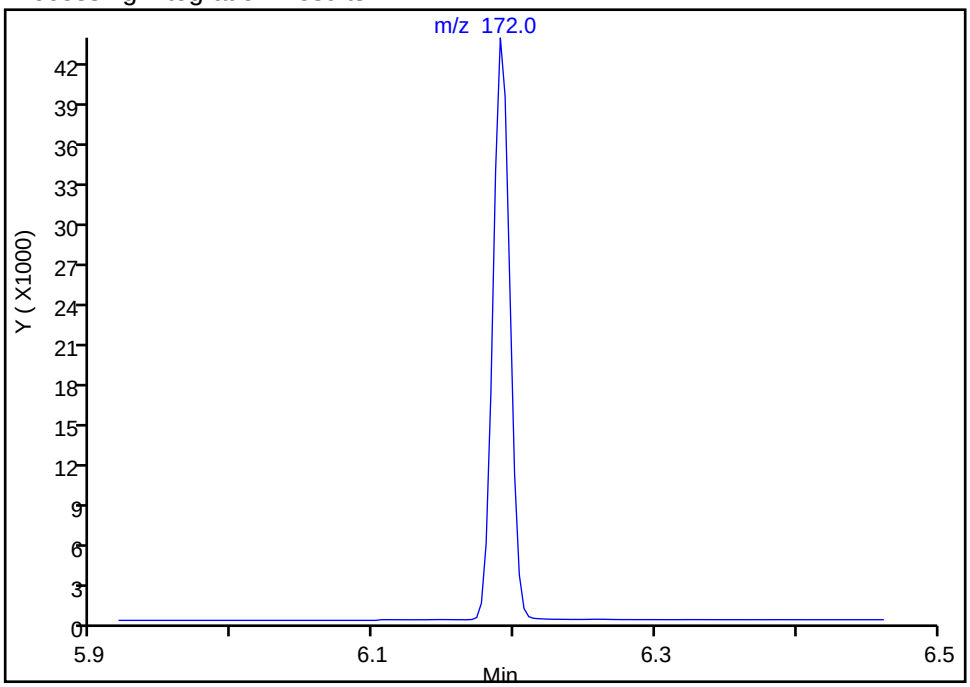
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b019.D
Injection Date: 14-Jan-2022 02:51:30 Instrument ID: TAC050
Lims ID: std8
Client ID:
Operator ID: jcm ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

$ 10 2-Fluorobiphenyl, CAS: 321-60-8

Signal: 1

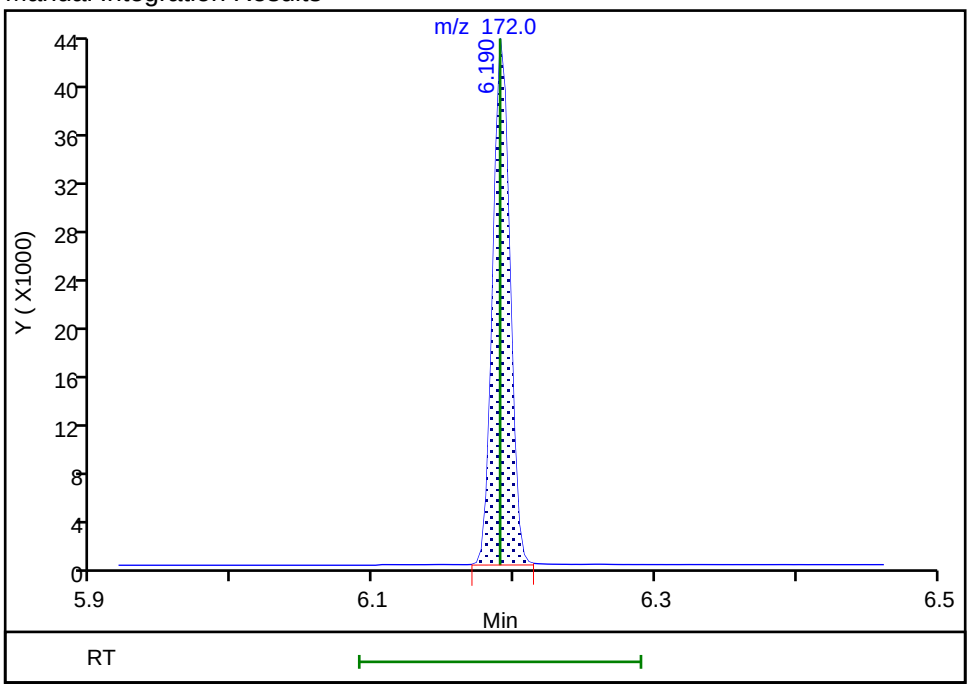
Not Detected
Expected RT: 6.19

Processing Integration Results



Manual Integration Results

RT: 6.19
Area: 36875
Amount: 196.0384
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:07:55
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Seattle

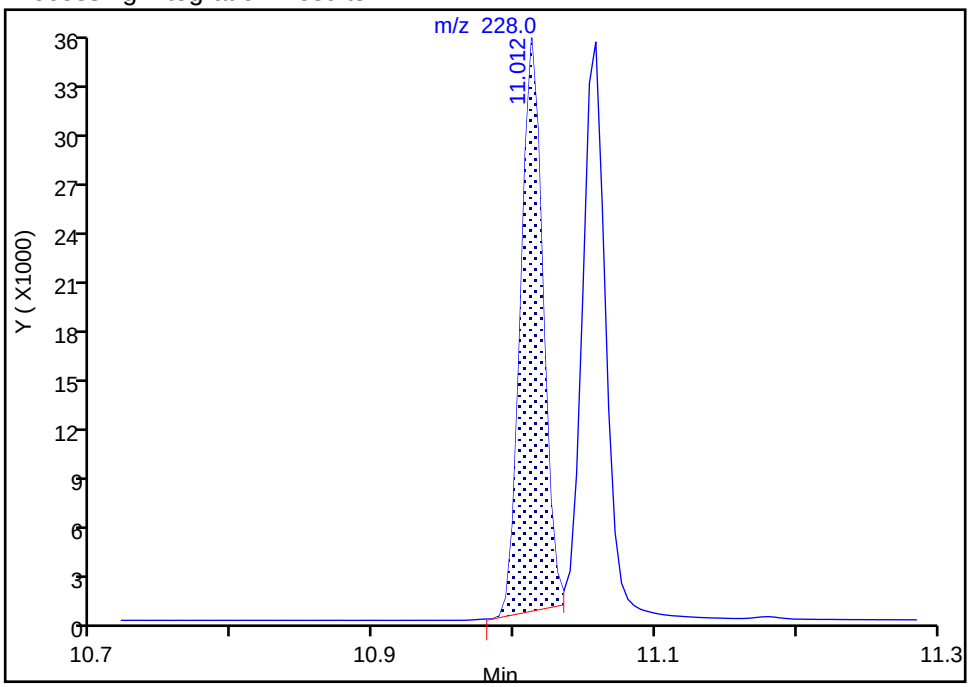
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b019.D
Injection Date: 14-Jan-2022 02:51:30 Instrument ID: TAC050
Lims ID: std8
Client ID:
Operator ID: jcm ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

22 Benzo[a]anthracene, CAS: 56-55-3

Signal: 1

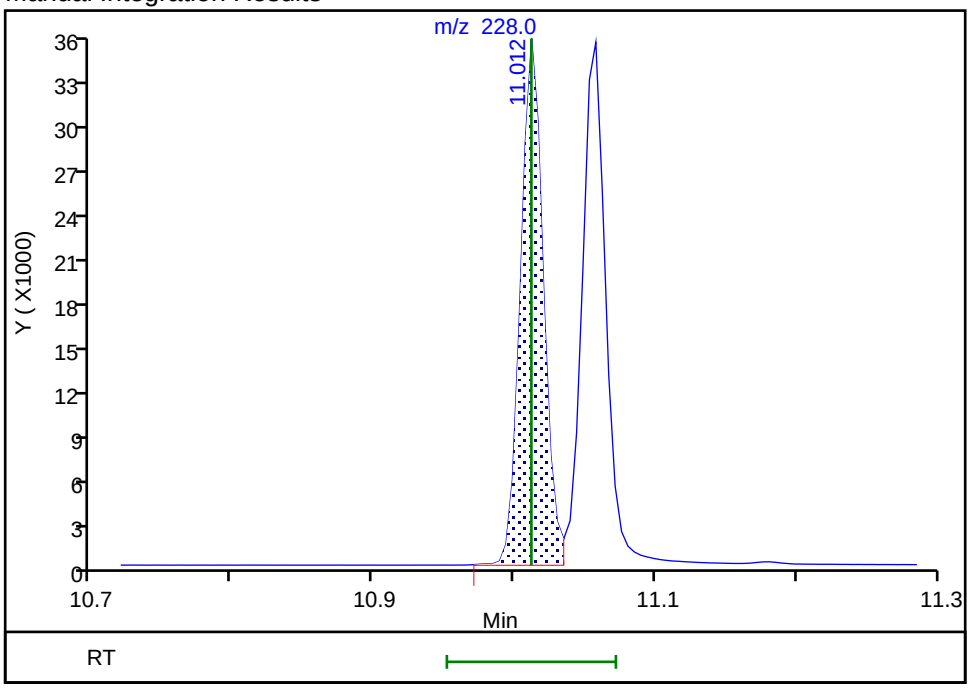
Processing Integration Results

RT: 11.01
Area: 38019
Amount: 186.0820
Amount Units: ug/L



Manual Integration Results

RT: 11.01
Area: 39640
Amount: 195.1530
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:07:24
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Seattle

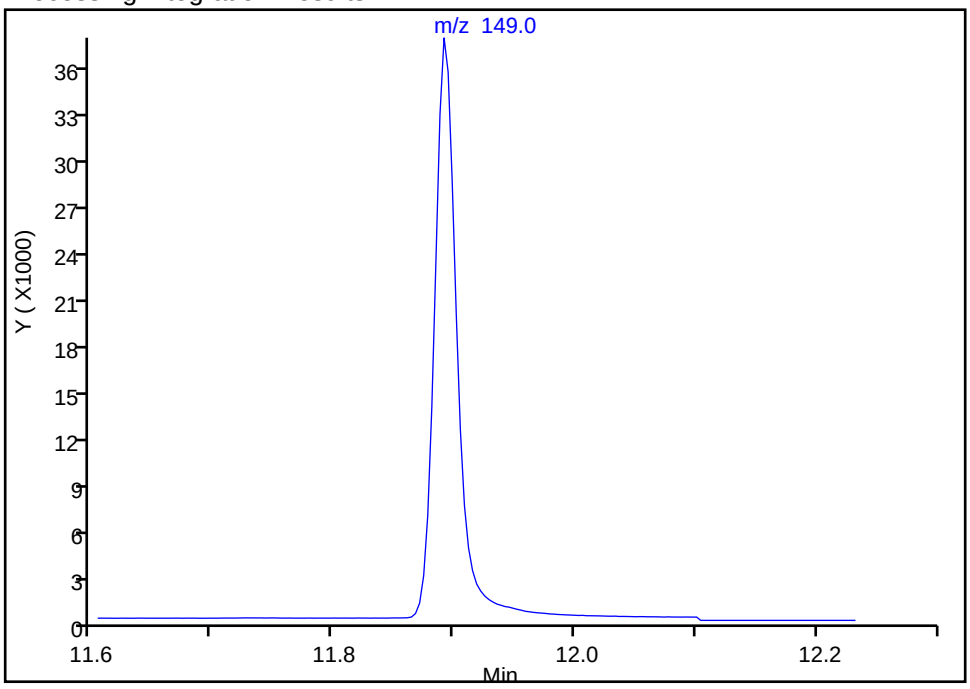
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b019.D
Injection Date: 14-Jan-2022 02:51:30 Instrument ID: TAC050
Lims ID: std8
Client ID:
Operator ID: jcm ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

30 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7

Signal: 1

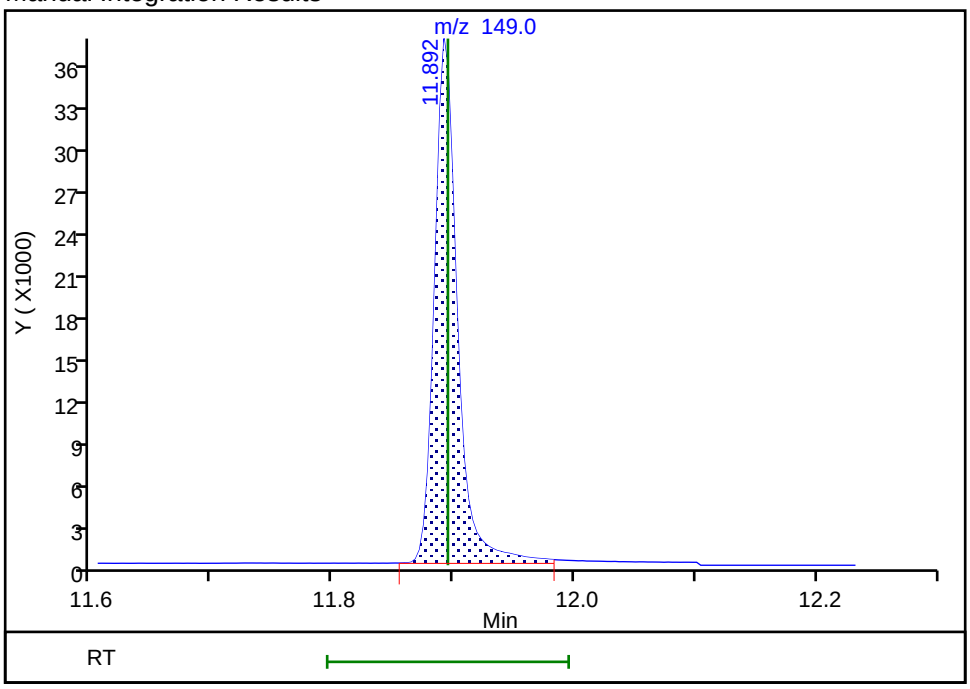
Not Detected
Expected RT: 11.89

Processing Integration Results



Manual Integration Results

RT: 11.89
Area: 49150
Amount: 203.4120
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:07:14
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

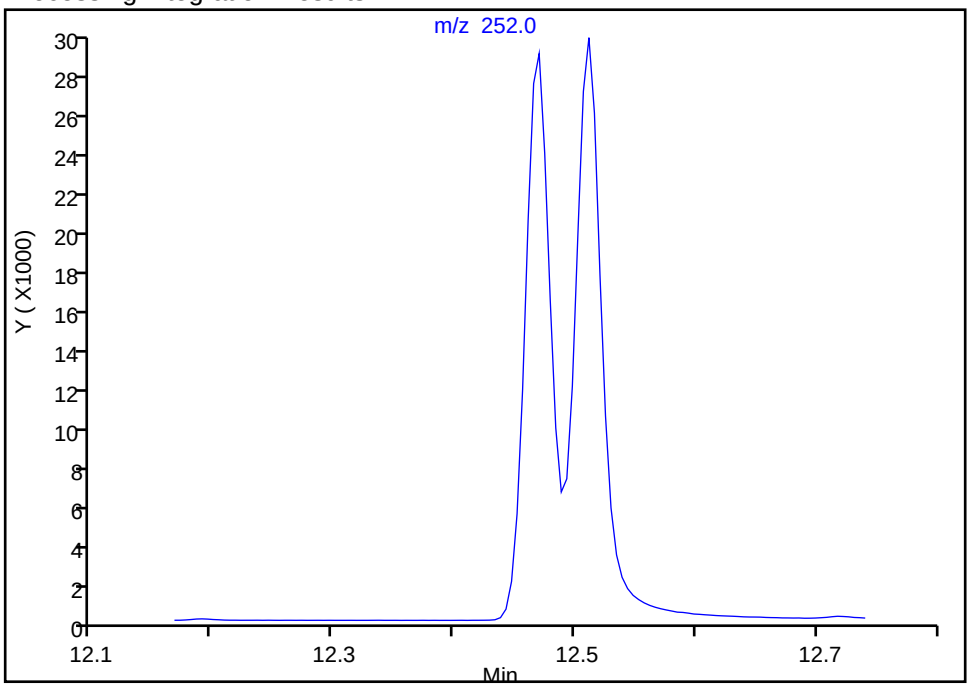
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b019.D				
Injection Date:	14-Jan-2022 02:51:30	Instrument ID:	TAC050		
Lims ID:	std8				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

24 Benzo[b]fluoranthene, CAS: 205-99-2

Signal: 1

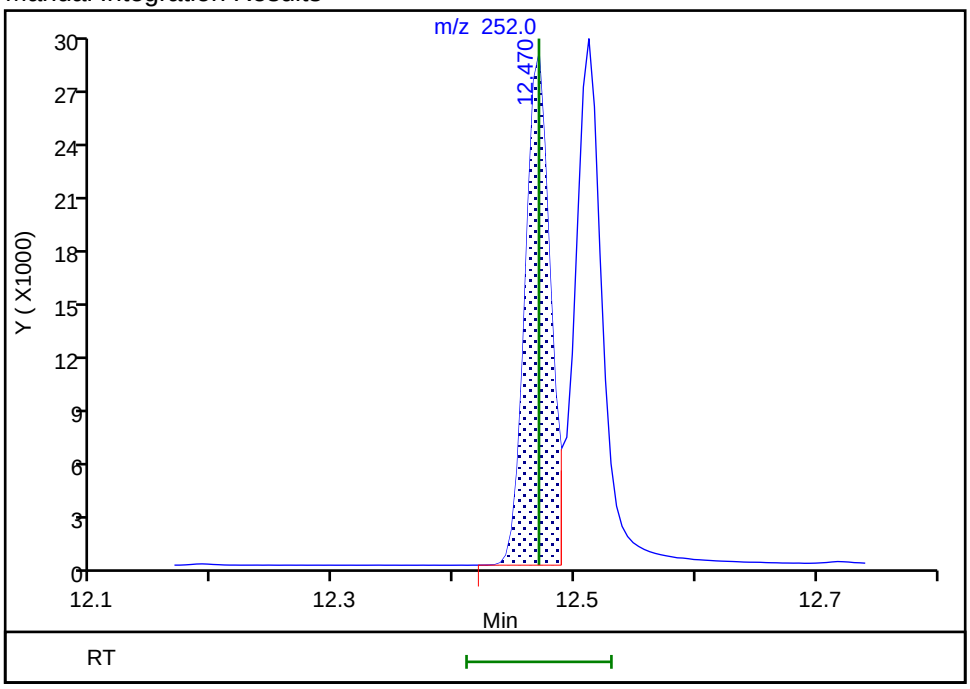
Not Detected
Expected RT: 12.47

Processing Integration Results



Manual Integration Results

RT: 12.47
Area: 40711
Amount: 190.8641
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:06:58
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

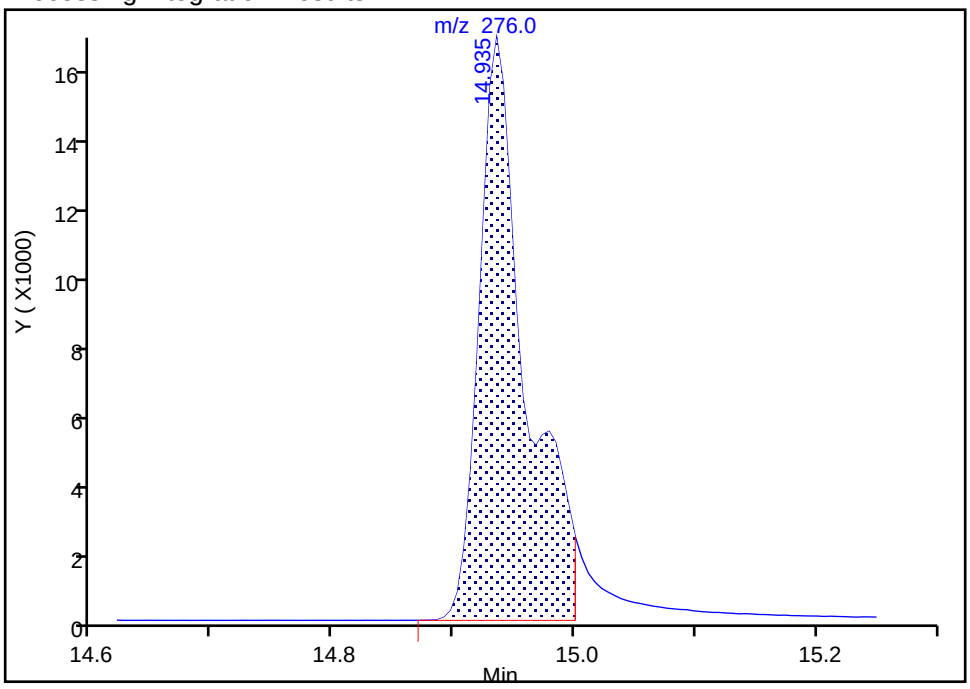
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b019.D
Injection Date: 14-Jan-2022 02:51:30 Instrument ID: TAC050
Lims ID: std8
Client ID:
Operator ID: jcm ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

27 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

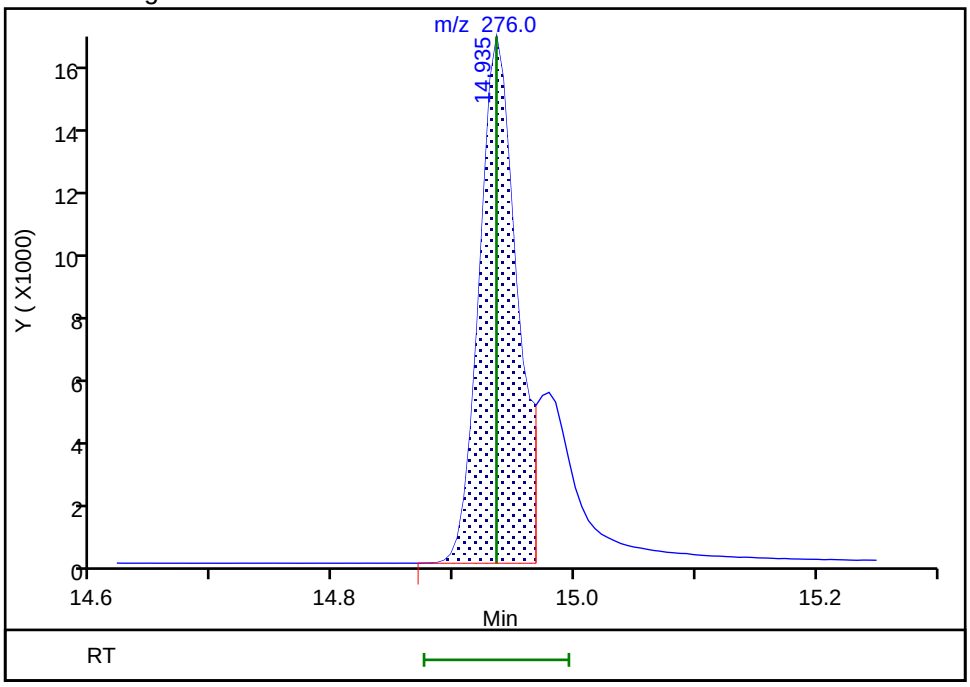
Processing Integration Results

RT: 14.94
Area: 44608
Amount: 227.3977
Amount Units: ug/L



Manual Integration Results

RT: 14.94
Area: 35765
Amount: 201.3281
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:06:50
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

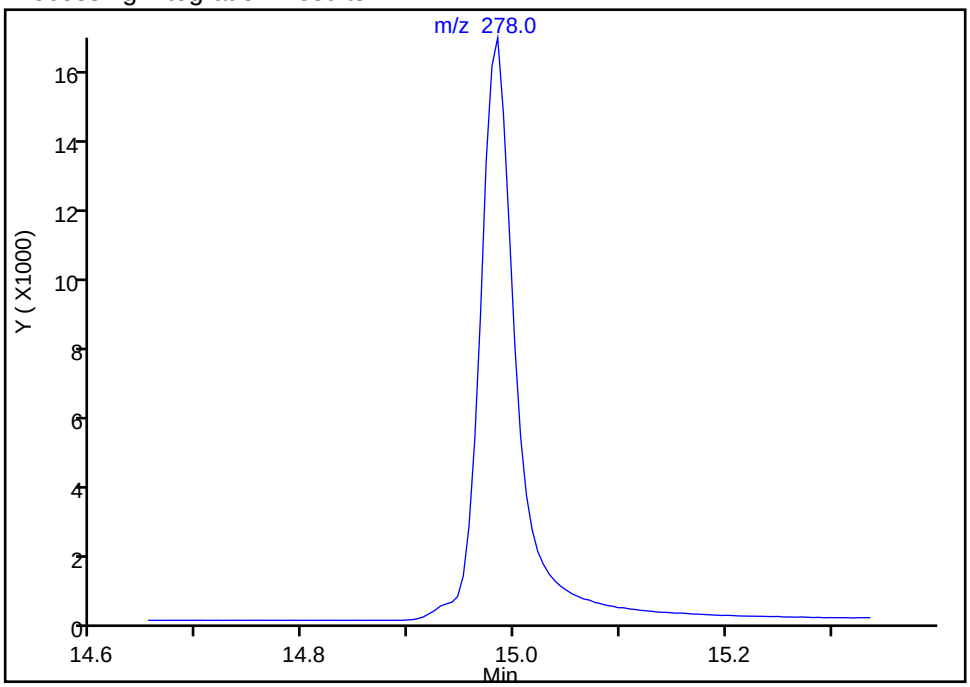
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b019.D				
Injection Date:	14-Jan-2022 02:51:30	Instrument ID:	TAC050		
Lims ID:	std8				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

28 Dibenz(a,h)anthracene, CAS: 53-70-3

Signal: 1

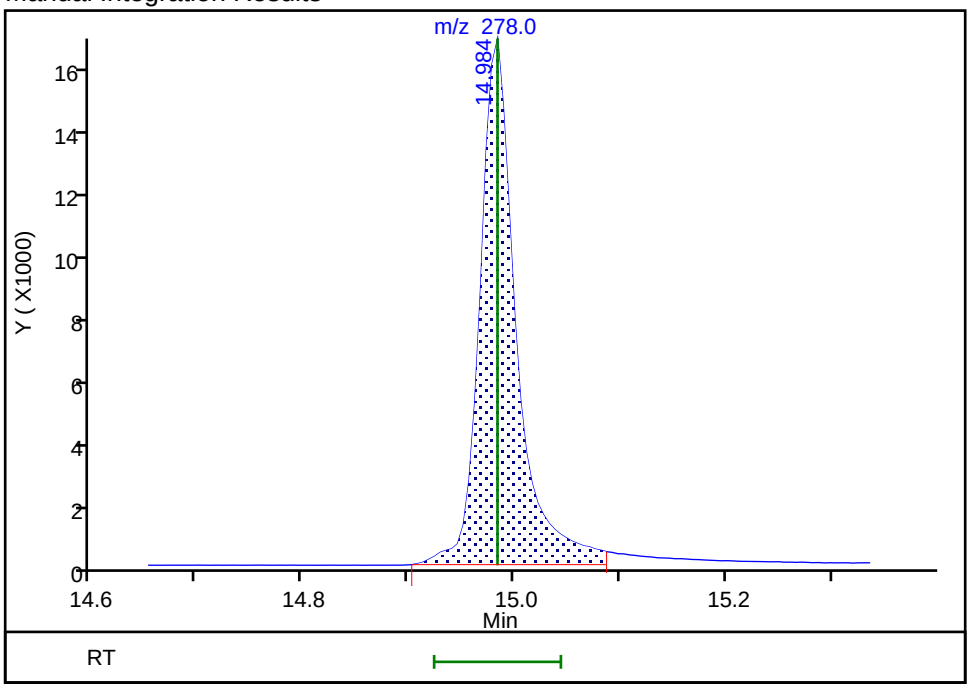
Not Detected
Expected RT: 14.98

Processing Integration Results



Manual Integration Results

RT: 14.98
Area: 40164
Amount: 195.5876
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:06:44
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b020.D
Lims ID: std7
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 14-Jan-2022 03:10:30 ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 7
Operator ID: jcm Instrument ID: TAC050
Sublist: chrom-TAC050_SIM_PAH*sub9

Method: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\TAC050_SIM_PAH.m
Limit Group: 8270D_SIM QSM 5.0
Last Update: 14-Jan-2022 15:42:06 Calib Date: 14-Jan-2022 05:04:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D

Column 1 : Det: MS SCAN
Process Host: CTX1628

First Level Reviewer: boylea Date: 14-Jan-2022 15:42:06

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 Naphthalene-d8	136	5.171	5.171	0.000	90	22864	100.0	100.0	
* 2 Acenaphthene-d10	164	6.854	6.854	0.000	70	10427	100.0	100.0	
* 3 Phenanthrene-d10	188	8.319	8.319	0.001	56	16638	100.0	100.0	
* 4 Chrysene-d12	240	11.026	11.030	-0.004	62	13251	100.0	100.0	
* 5 Perylene-d12	264	13.074	13.074	0.000	69	15589	100.0	100.0	
$ 6 2-methylnaphthalene-d10	152	5.809	5.809	0.000	67	13403	100.0	99.1	
$ 10 2-Fluorobiphenyl	172	6.190	6.190	0.000	0	16655	100.0	99.8	M
$ 7 2,4,6-Tribromophenol	330	7.628	7.628	0.000	59	2462	100.0	93.5	
$ 8 Fluoranthene-d10 (Surr)	212	9.502	9.502	0.000	69	17571	100.0	101.2	
$ 9 Terphenyl-d14	244	9.896	9.896	0.000	95	13020	100.0	97.6	
11 Naphthalene	128	5.189	5.189	0.000	100	24209	100.0	100.1	M
12 2-Methylnaphthalene	141	5.841	5.841	0.000	95	13602	100.0	99.2	
13 1-Methylnaphthalene	141	5.937	5.937	0.000	98	12942	100.0	97.4	
14 Acenaphthylene	152	6.717	6.717	0.000	100	21750	100.0	98.7	
15 Acenaphthene	153	6.884	6.884	0.000	96	13549	100.0	97.9	
16 Fluorene	166	7.389	7.389	0.000	98	15017	100.0	97.4	
17 Pentachlorophenol	266	8.130	8.126	0.004	99	1359	200.0	179.0	M
18 Phenanthrene	178	8.342	8.342	0.000	100	21252	100.0	100.6	
19 Anthracene	178	8.393	8.389	0.004	100	20551	100.0	96.4	
20 Fluoranthene	202	9.522	9.522	0.000	52	21157	100.0	101.3	
21 Pyrene	202	9.746	9.746	0.000	52	23304	100.0	105.9	a
22 Benzo[a]anthracene	228	11.012	11.012	0.000	95	19122	100.0	99.2	
23 Chrysene	228	11.058	11.057	0.001	99	19950	100.0	99.0	
30 Bis(2-ethylhexyl) phthalate	149	11.891	11.895	-0.004	0	23812	100.0	105.0	Ma
24 Benzo[b]fluoranthene	252	12.470	12.470	0.000	97	20162	100.0	98.4	Ma
25 Benzo[k]fluoranthene	252	12.511	12.511	0.000	95	21829	100.0	95.1	
26 Benzo[a]pyrene	252	12.983	12.983	0.000	97	19766	100.0	96.7	
27 Indeno[1,2,3-cd]pyrene	276	14.935	14.935	0.000	96	16508	100.0	97.4	M
28 Dibenz(a,h)anthracene	278	14.984	14.984	0.000	96	17159	100.0	87.0	a
29 Benzo[g,h,i]perylene	276	15.429	15.429	0.000	95	20616	100.0	96.4	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

ccv_8270_1000_00057	Amount Added: 100.00	Units: uL
8270SIM_IS_00069	Amount Added: 9.00	Units: uL

Report Date: 14-Jan-2022 15:42:06 Chrom Revision: 2.3 03-Jan-2022 17:03:12

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b020.D

Injection Date: 14-Jan-2022 03:10:30 Instrument ID: TAC050

Lims ID: std7

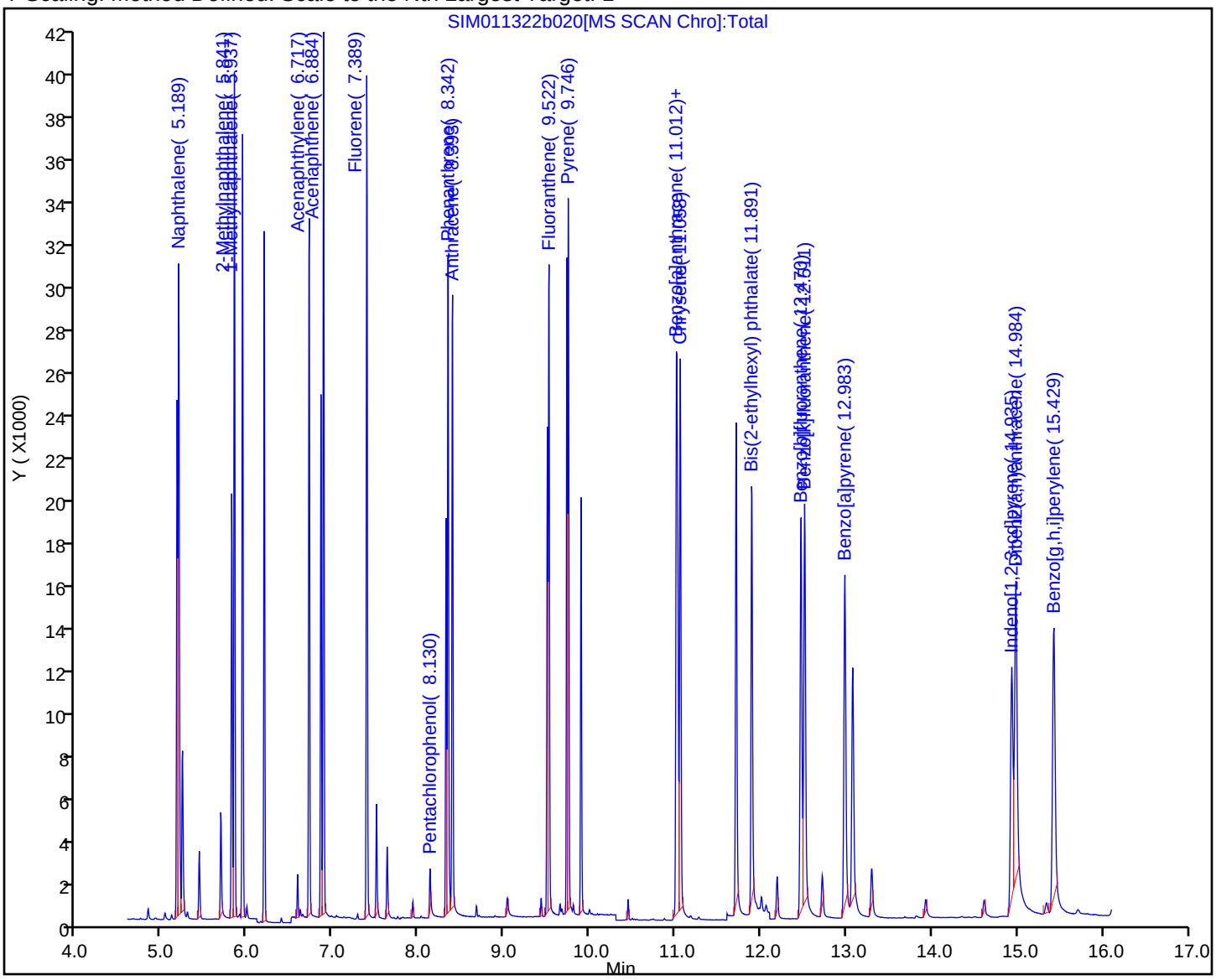
Client ID:

Operator ID: jcm ALS Bottle#: 10 Worklist Smp#: 10

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Seattle

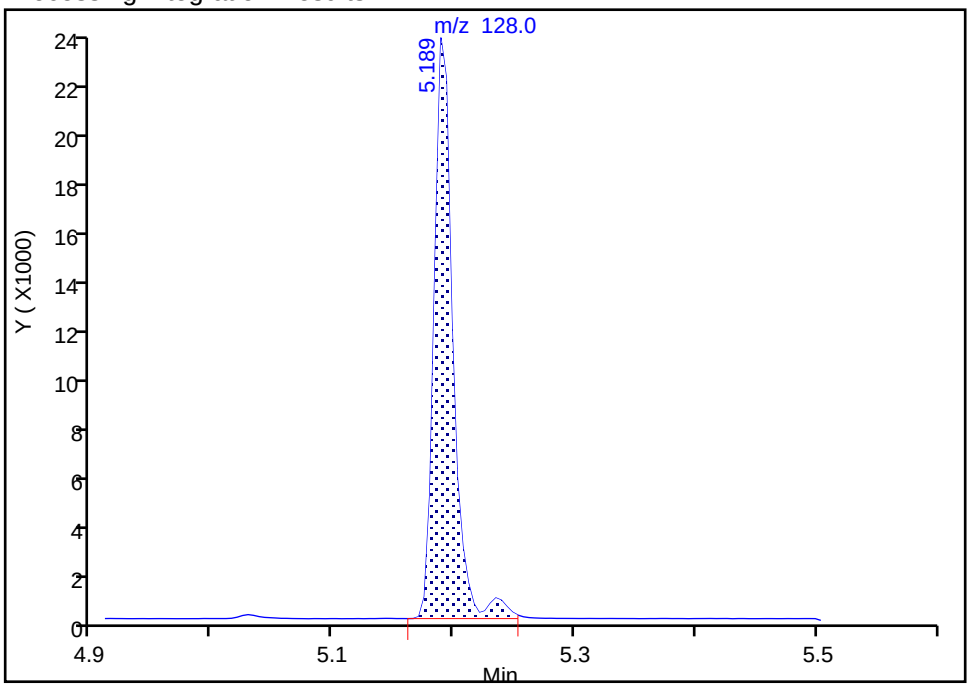
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b020.D
Injection Date: 14-Jan-2022 03:10:30 Instrument ID: TAC050
Lims ID: std7
Client ID:
Operator ID: jcm ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

11 Naphthalene, CAS: 91-20-3

Signal: 1

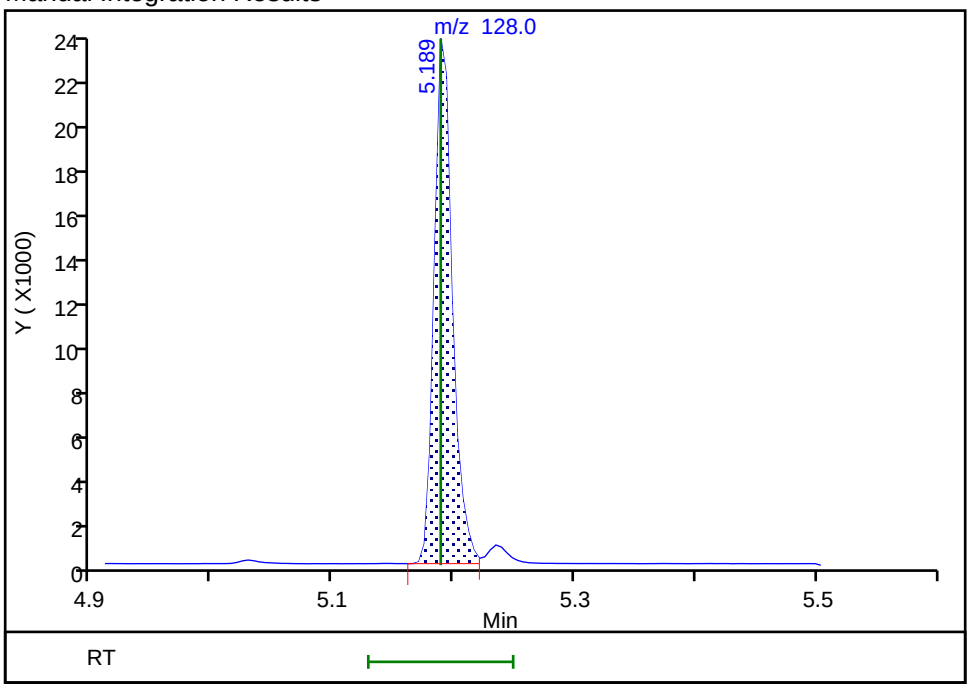
Processing Integration Results

RT: 5.19
Area: 25141
Amount: 102.4086
Amount Units: ug/L



Manual Integration Results

RT: 5.19
Area: 24209
Amount: 100.1110
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:12:30
Audit Action: Split an Integrated Peak Audit Reason: Shouldering

Manual Integration/User Assign Peak Report

Eurofins Seattle

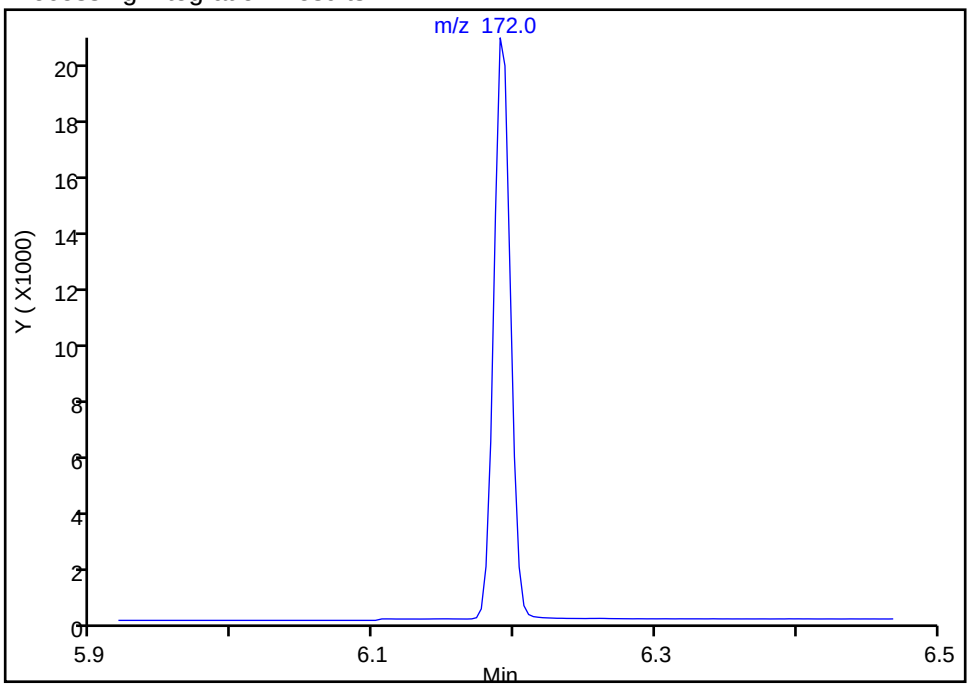
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b020.D				
Injection Date:	14-Jan-2022 03:10:30	Instrument ID:	TAC050		
Lims ID:	std7				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

$ 10 2-Fluorobiphenyl, CAS: 321-60-8

Signal: 1

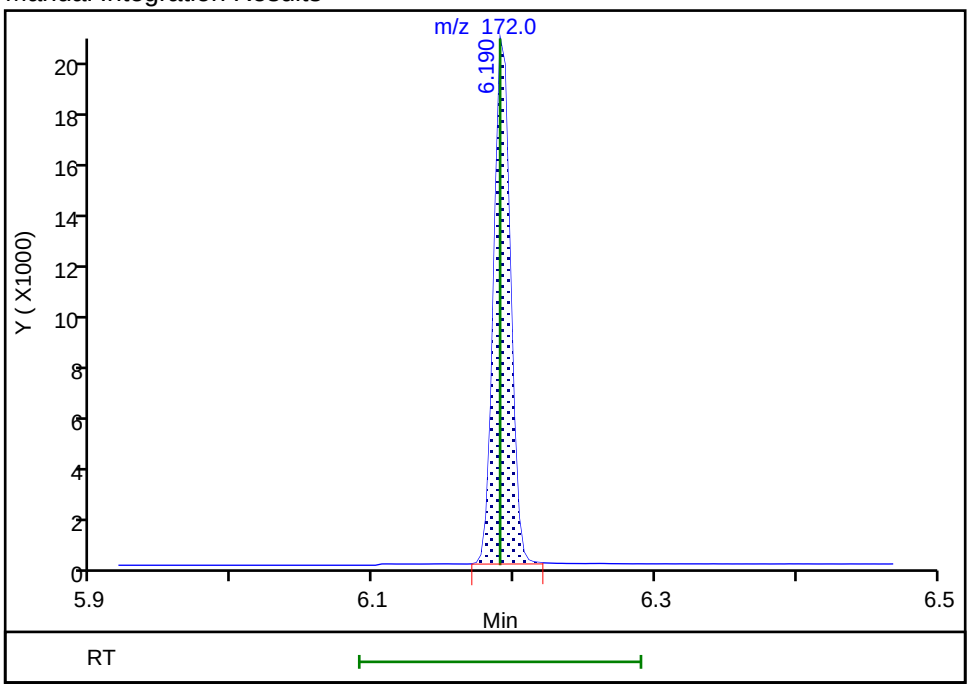
Not Detected
Expected RT: 6.19

Processing Integration Results



Manual Integration Results

RT: 6.19
Area: 16655
Amount: 99.819865
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:12:16
Audit Action: Manually Integrated Audit Reason: Assign Peak

Eurofins Seattle

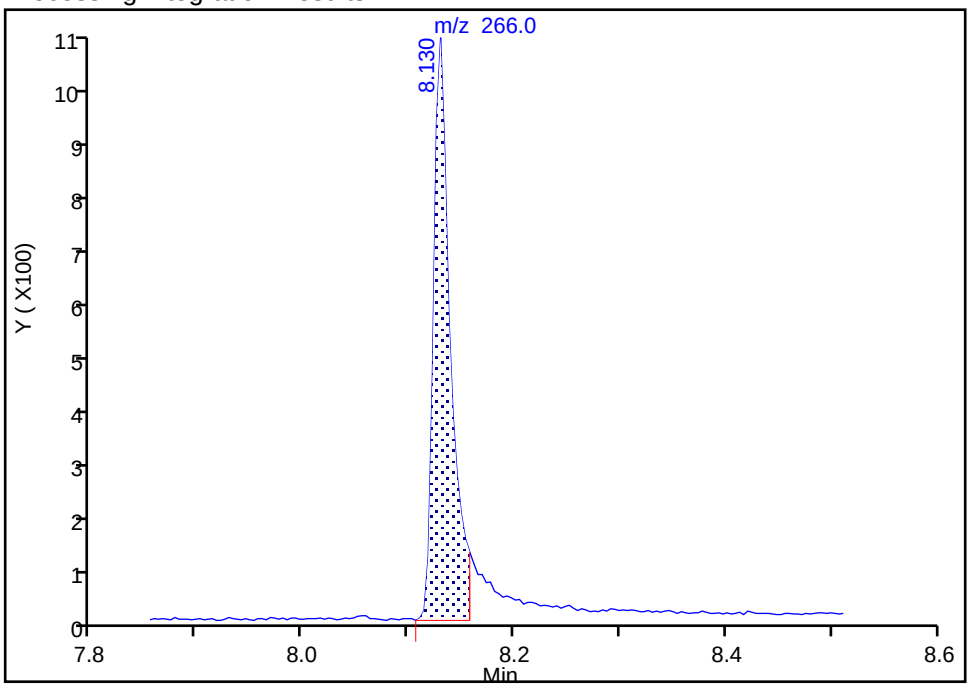
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b020.D
Injection Date: 14-Jan-2022 03:10:30 Instrument ID: TAC050
Lims ID: std7
Client ID:
Operator ID: jcm ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

17 Pentachlorophenol, CAS: 87-86-5

Signal: 1

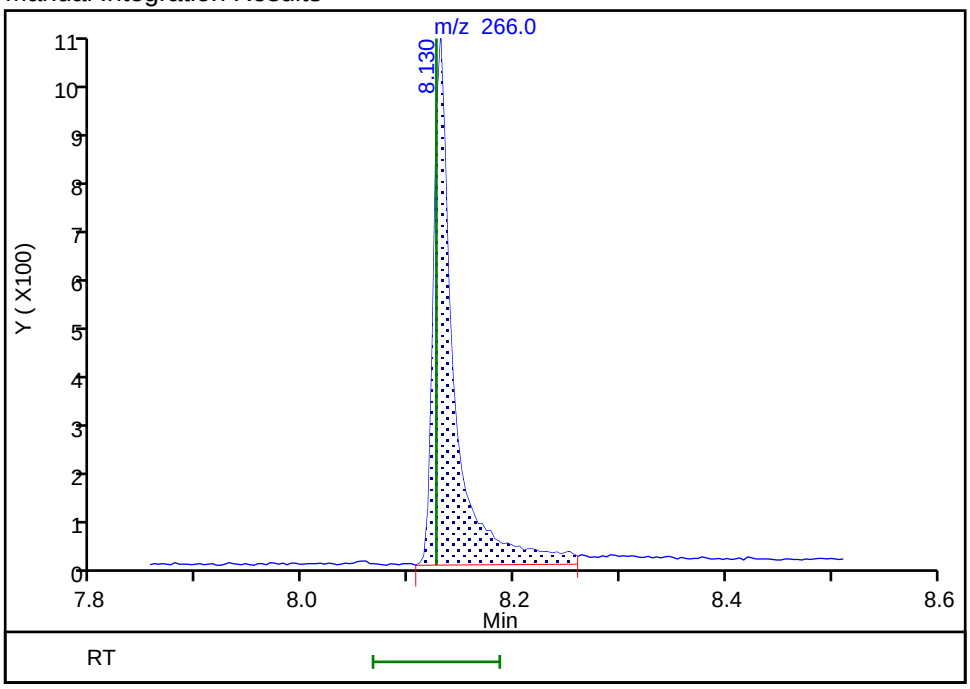
Processing Integration Results

RT: 8.13
Area: 1114
Amount: 366.3377
Amount Units: ug/L



Manual Integration Results

RT: 8.13
Area: 1359
Amount: 178.9521
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:12:45
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Seattle

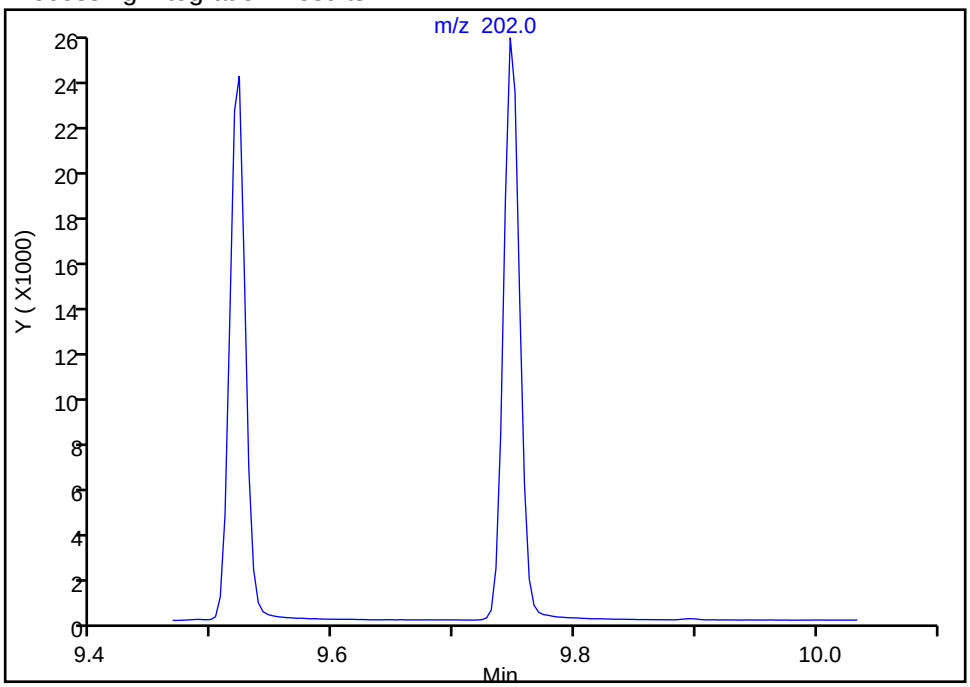
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b020.D
Injection Date: 14-Jan-2022 03:10:30 Instrument ID: TAC050
Lims ID: std7
Client ID:
Operator ID: jcm ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

21 Pyrene, CAS: 129-00-0

Signal: 1

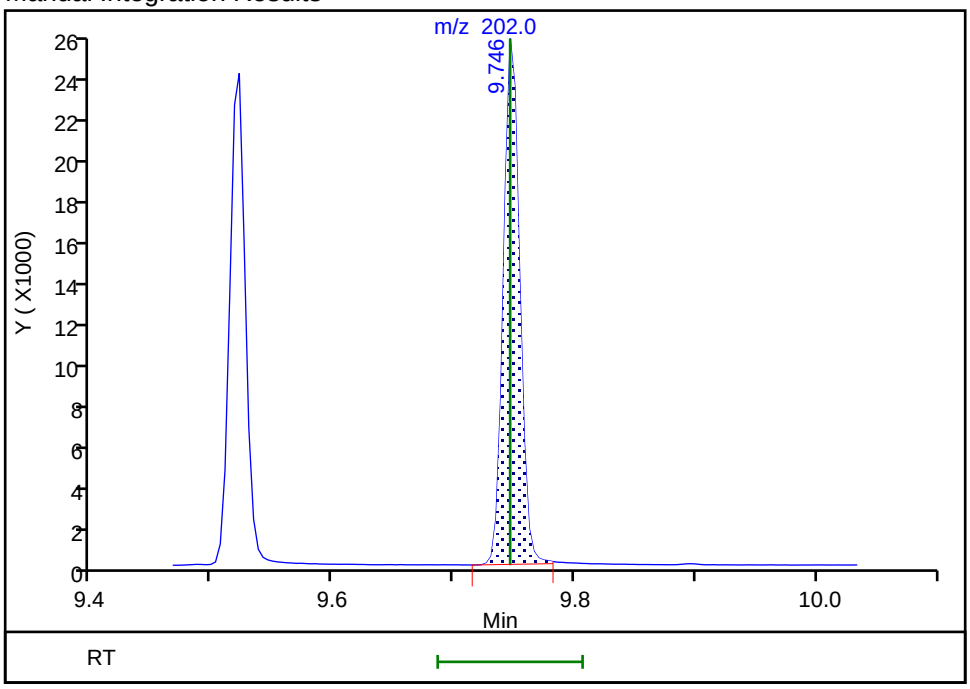
Not Detected
Expected RT: 9.75

Processing Integration Results



Manual Integration Results

RT: 9.75
Area: 23304
Amount: 105.9194
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:12:50
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Seattle

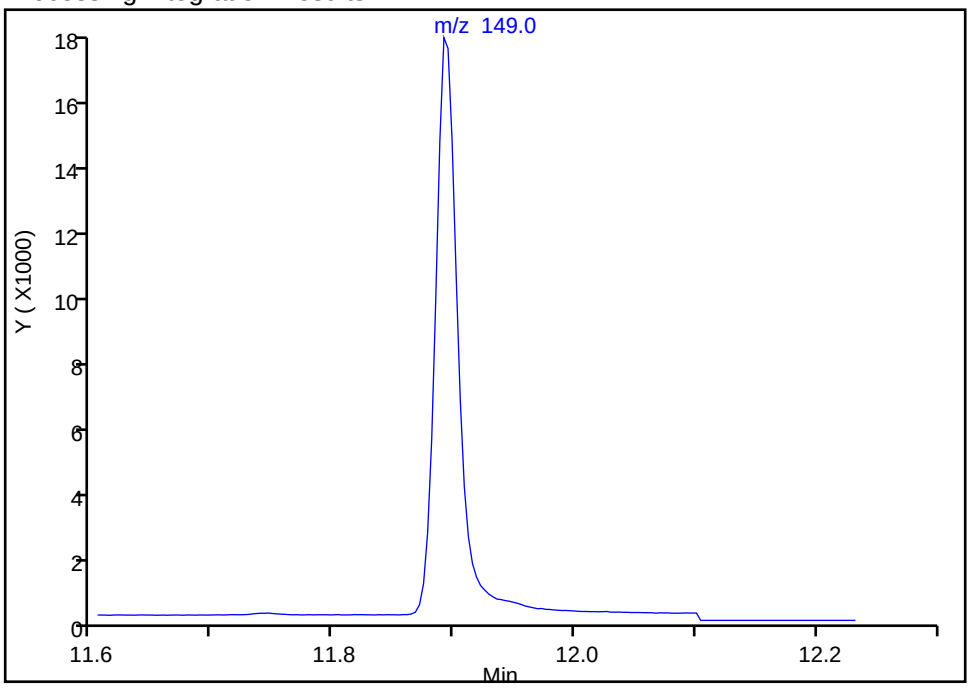
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b020.D				
Injection Date:	14-Jan-2022 03:10:30	Instrument ID:	TAC050		
Lims ID:	std7				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

30 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7

Signal: 1

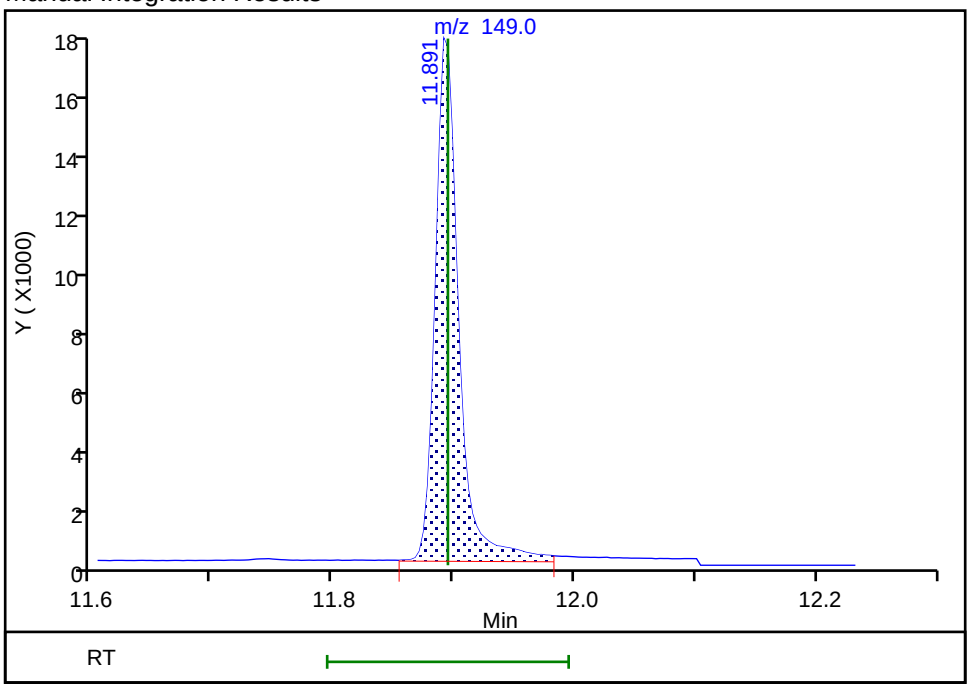
Not Detected
Expected RT: 11.89

Processing Integration Results



Manual Integration Results

RT: 11.89
Area: 23812
Amount: 105.0054
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:13:08
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

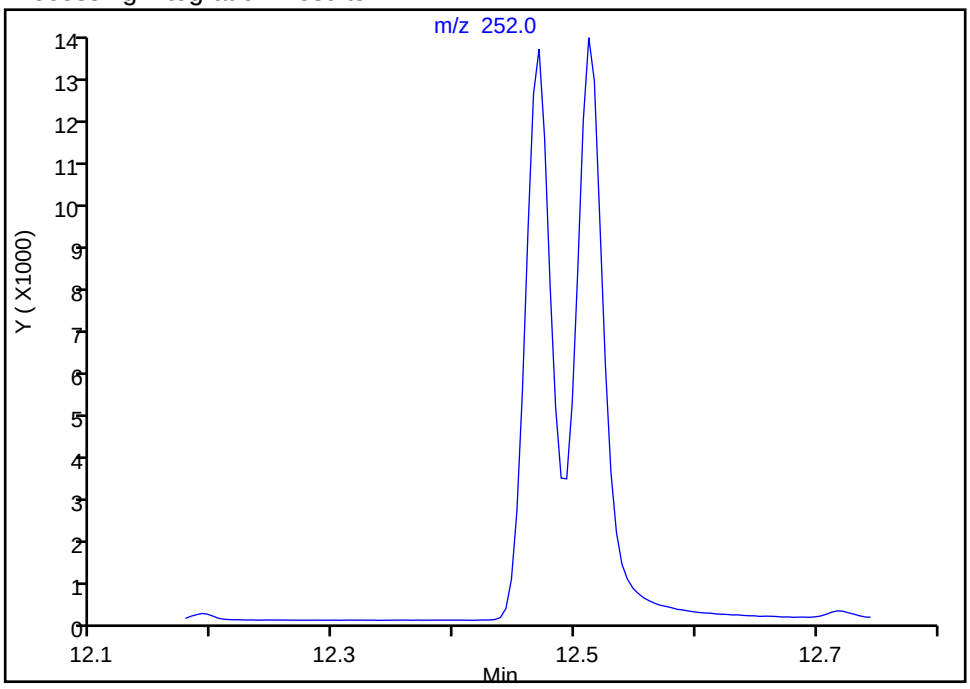
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b020.D				
Injection Date:	14-Jan-2022 03:10:30	Instrument ID:	TAC050		
Lims ID:	std7				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

24 Benzo[b]fluoranthene, CAS: 205-99-2

Signal: 1

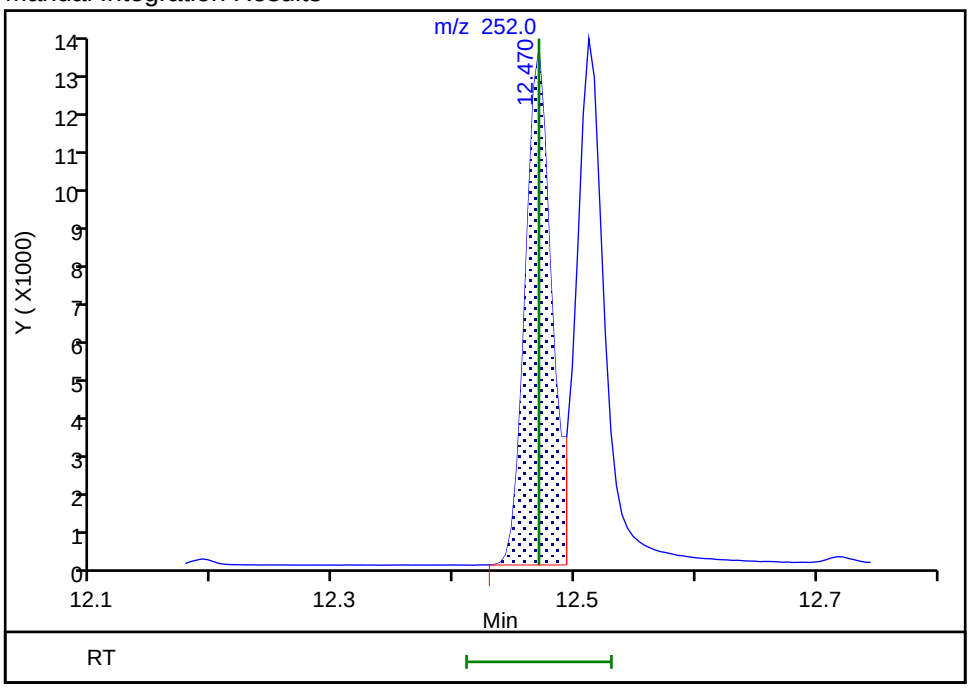
Not Detected
Expected RT: 12.47

Processing Integration Results



Manual Integration Results

RT: 12.47
Area: 20162
Amount: 98.394676
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:13:36
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Seattle

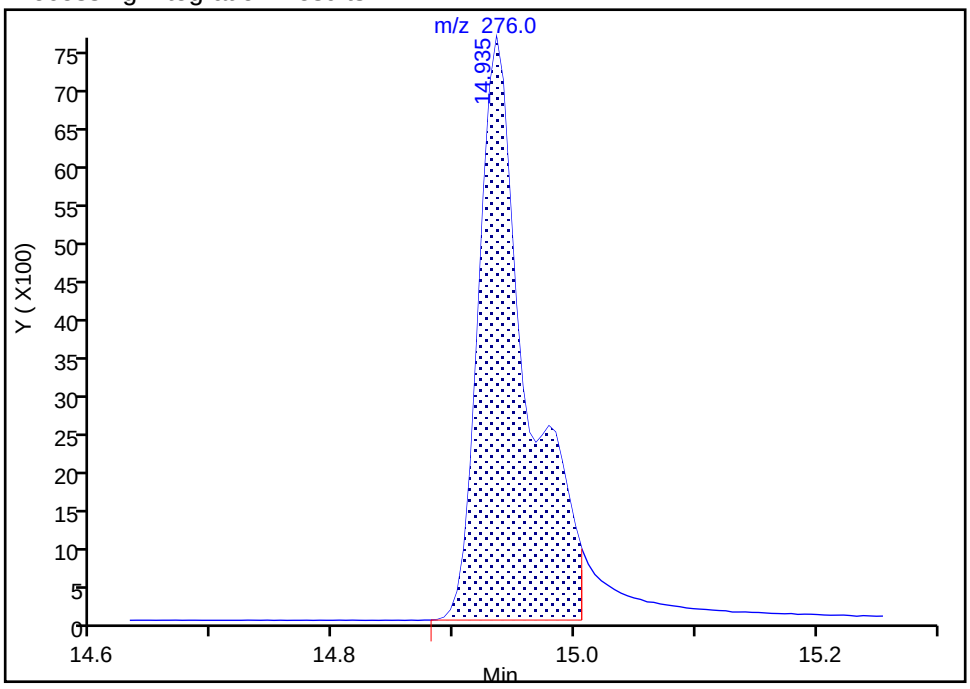
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b020.D
Injection Date: 14-Jan-2022 03:10:30 Instrument ID: TAC050
Lims ID: std7
Client ID:
Operator ID: jcm ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

27 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

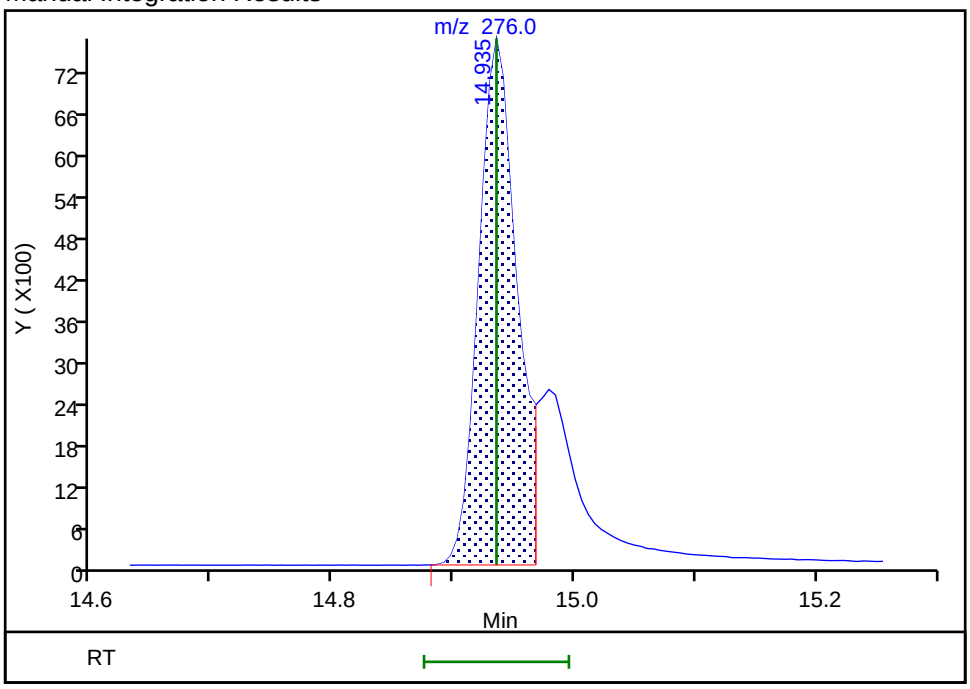
Processing Integration Results

RT: 14.94
Area: 21055
Amount: 112.4300
Amount Units: ug/L



Manual Integration Results

RT: 14.94
Area: 16508
Amount: 97.368934
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:13:47
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

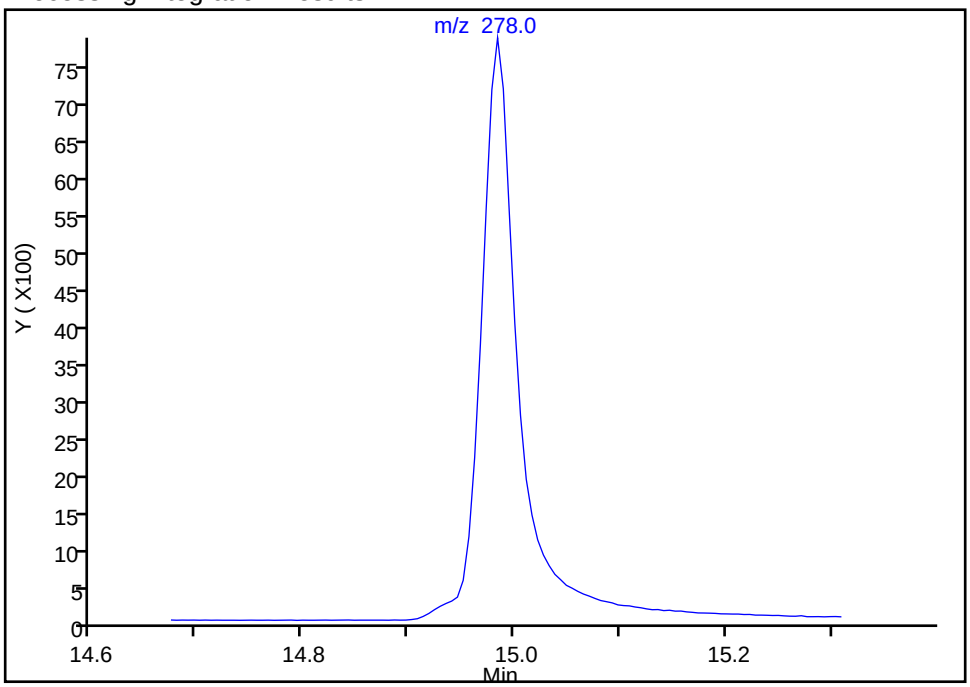
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b020.D				
Injection Date:	14-Jan-2022 03:10:30	Instrument ID:	TAC050		
Lims ID:	std7				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

28 Dibenz(a,h)anthracene, CAS: 53-70-3

Signal: 1

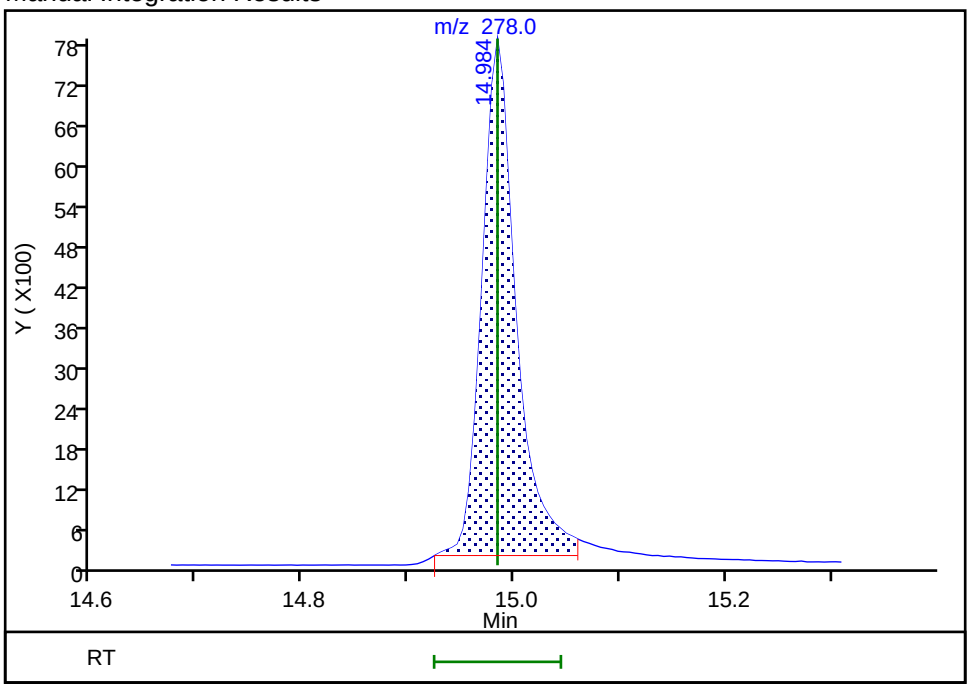
Not Detected
Expected RT: 14.98

Processing Integration Results



Manual Integration Results

RT: 14.98
Area: 17159
Amount: 86.993762
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:13:50
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b021.D
Lims ID: std6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 14-Jan-2022 03:29:30 ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 6
Operator ID: jcm Instrument ID: TAC050
Sublist: chrom-TAC050_SIM_PAH*sub9

Method: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\TAC050_SIM_PAH.m
Limit Group: 8270D_SIM QSM 5.0
Last Update: 14-Jan-2022 15:42:15 Calib Date: 14-Jan-2022 05:04:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D

Column 1 : Det: MS SCAN
Process Host: CTX1628

First Level Reviewer: limmere Date: 14-Jan-2022 10:06:06

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 Naphthalene-d8	136	5.171	5.171	0.000	90	21416	100.0	100.0	
* 2 Acenaphthene-d10	164	6.854	6.854	0.000	71	9708	100.0	100.0	
* 3 Phenanthrene-d10	188	8.319	8.319	0.001	56	14771	100.0	100.0	
* 4 Chrysene-d12	240	11.030	11.030	0.000	52	11375	100.0	100.0	
* 5 Perylene-d12	264	13.074	13.074	0.000	69	13641	100.0	100.0	
$ 6 2-methylnaphthalene-d10	152	5.809	5.809	0.000	67	6298	50.0	49.7	
$ 10 2-Fluorobiphenyl	172	6.190	6.190	0.000	0	7866	50.0	50.6	M
$ 7 2,4,6-Tribromophenol	330	7.632	7.628	0.004	58	941	50.0	41.7	
$ 8 Fluoranthene-d10 (Surr)	212	9.502	9.502	0.000	69	7543	50.0	48.3	
$ 9 Terphenyl-d14	244	9.900	9.896	0.004	95	5408	50.0	45.7	
11 Naphthalene	128	5.189	5.189	0.000	100	11320	50.0	50.0	M
12 2-Methylnaphthalene	141	5.841	5.841	0.000	96	6407	50.0	49.9	
13 1-Methylnaphthalene	141	5.937	5.937	0.000	98	6120	50.0	49.2	
14 Acenaphthylene	152	6.717	6.717	0.000	100	10119	50.0	49.3	
15 Acenaphthene	153	6.884	6.884	0.000	96	6356	50.0	49.3	
16 Fluorene	166	7.389	7.389	0.000	97	6796	50.0	47.3	
17 Pentachlorophenol	266	8.134	8.126	0.008	97	304	100.0	107.1	M
18 Phenanthrene	178	8.342	8.342	0.000	100	9336	50.0	49.2	
19 Anthracene	178	8.393	8.389	0.004	100	9222	50.0	48.3	
20 Fluoranthene	202	9.522	9.522	0.000	52	9180	50.0	48.9	
21 Pyrene	202	9.746	9.746	0.000	52	9389	50.0	47.4	
22 Benzo[a]anthracene	228	11.012	11.012	0.000	95	7909	50.0	47.1	
23 Chrysene	228	11.058	11.057	0.001	99	8840	50.0	50.4	
30 Bis(2-ethylhexyl) phthalate	149	11.891	11.895	-0.004	0	9999	50.0	51.2	M
24 Benzo[b]fluoranthene	252	12.470	12.470	0.000	98	8556	50.0	47.3	Ma
25 Benzo[k]fluoranthene	252	12.511	12.511	0.000	95	9574	50.0	47.3	
26 Benzo[a]pyrene	252	12.983	12.983	0.000	97	8346	50.0	46.2	
27 Indeno[1,2,3-cd]pyrene	276	14.940	14.935	0.005	96	6730	50.0	45.5	M
28 Dibenz(a,h)anthracene	278	14.989	14.984	0.005	96	8317	50.0	47.9	Ma
29 Benzo[g,h,i]perylene	276	15.429	15.429	0.000	96	8933	50.0	47.4	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8270ccvl_50_00039 Amount Added: 1.00 Units: mL

Report Date: 14-Jan-2022 15:42:16 Chrom Revision: 2.3 03-Jan-2022 17:03:12

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b021.D

Injection Date: 14-Jan-2022 03:29:30 Instrument ID: TAC050

Lims ID: std6

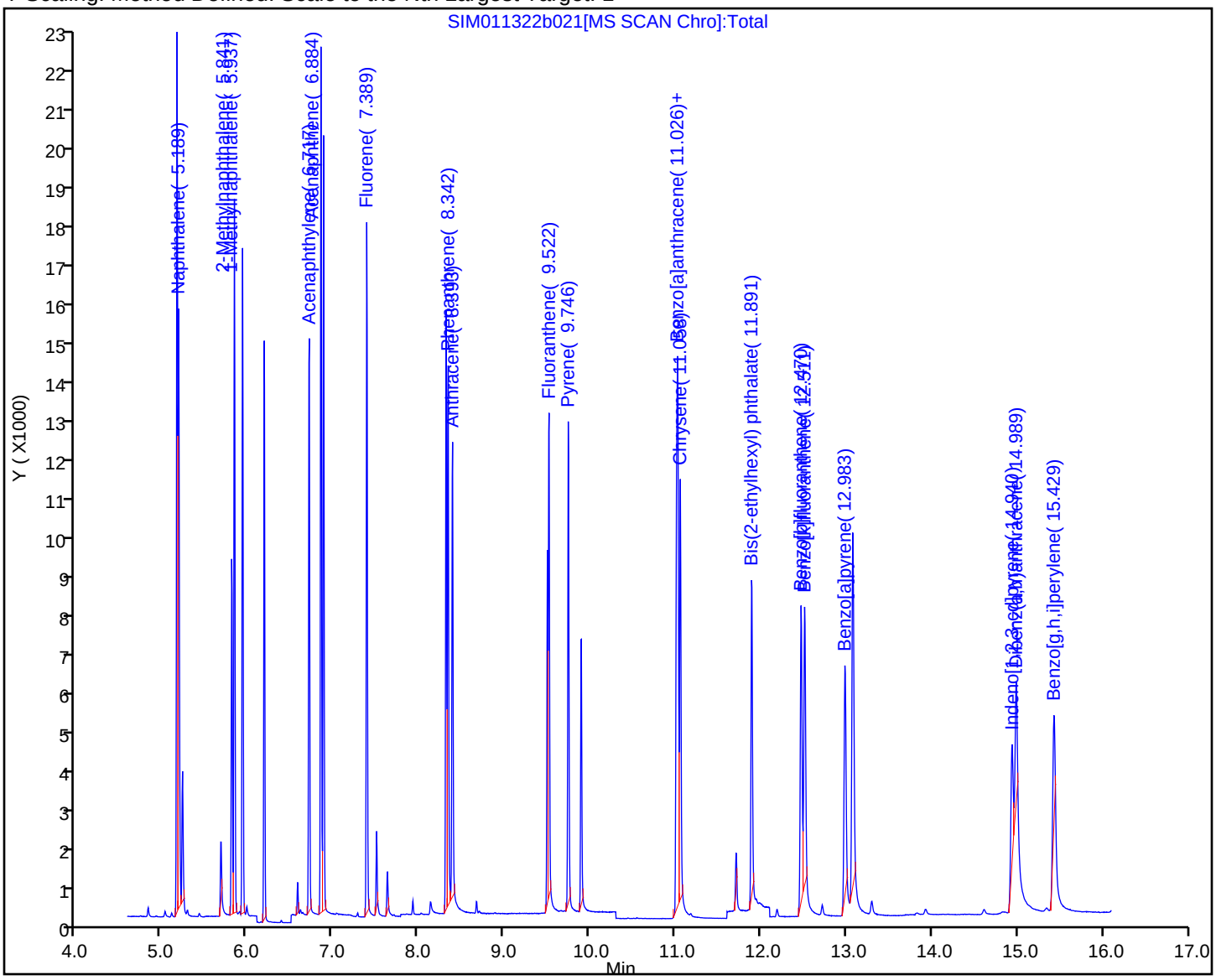
Client ID:

Operator ID: jcm ALS Bottle#: 11 Worklist Smp#: 11

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Seattle

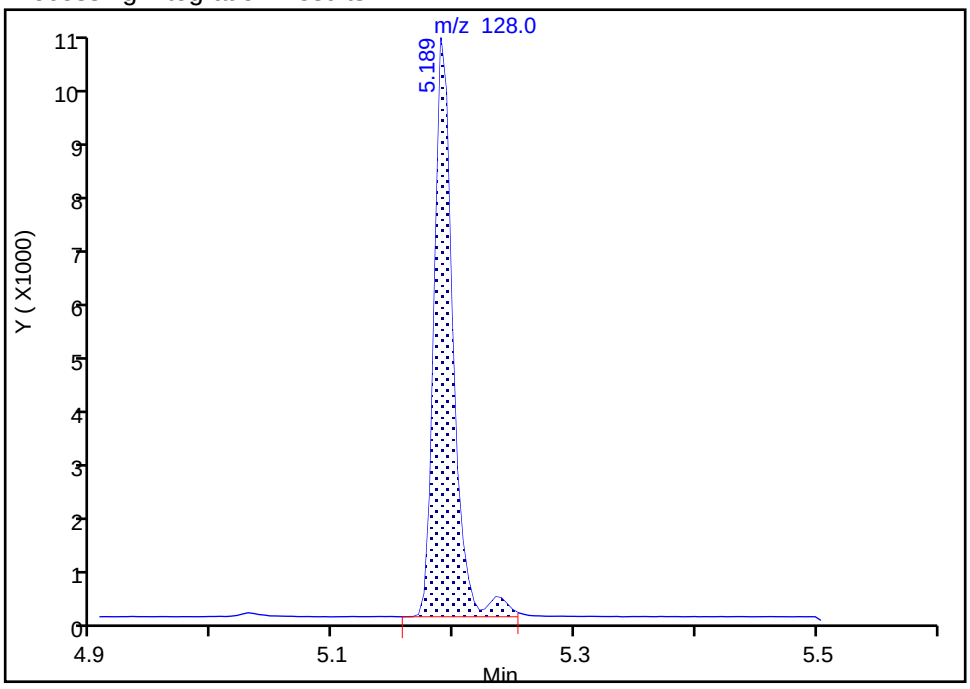
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b021.D
Injection Date: 14-Jan-2022 03:29:30 Instrument ID: TAC050
Lims ID: std6
Client ID:
Operator ID: jcm ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

11 Naphthalene, CAS: 91-20-3

Signal: 1

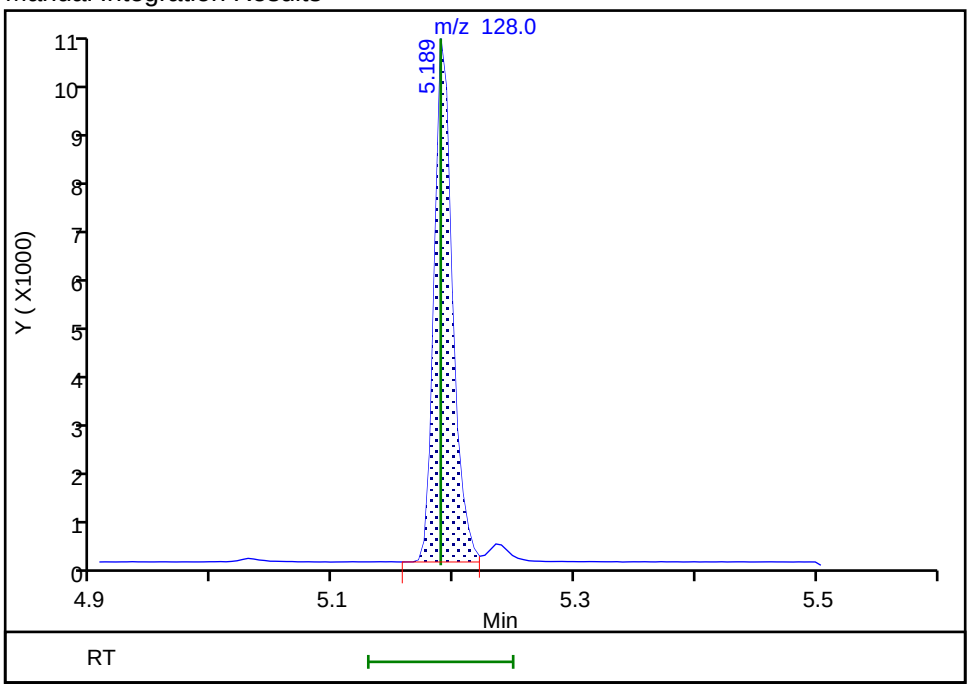
Processing Integration Results

RT: 5.19
Area: 11759
Amount: 51.265537
Amount Units: ug/L



Manual Integration Results

RT: 5.19
Area: 11320
Amount: 49.976441
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:15:29
Audit Action: Split an Integrated Peak Audit Reason: Shouldering

Manual Integration/User Assign Peak Report

Eurofins Seattle

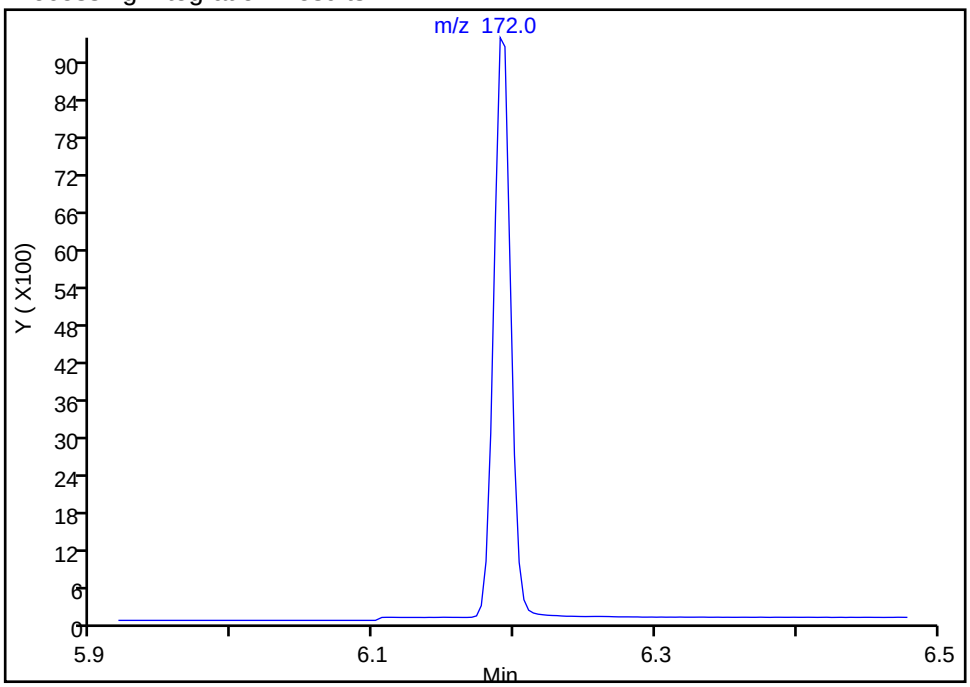
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b021.D				
Injection Date:	14-Jan-2022 03:29:30	Instrument ID:	TAC050		
Lims ID:	std6				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

$ 10 2-Fluorobiphenyl, CAS: 321-60-8

Signal: 1

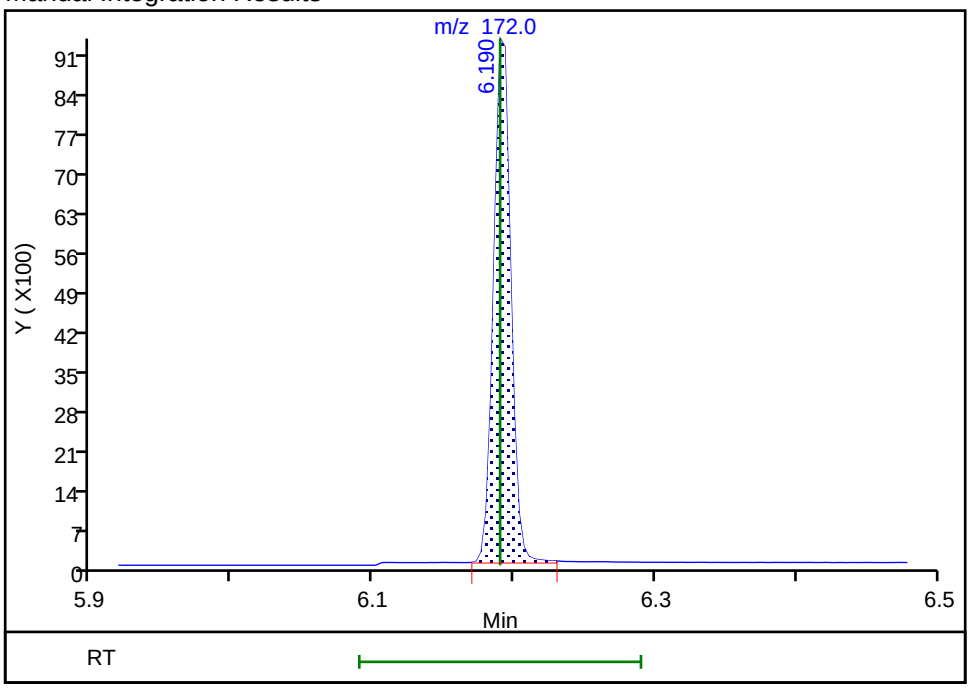
Not Detected
Expected RT: 6.19

Processing Integration Results



Manual Integration Results

RT: 6.19
Area: 7866
Amount: 50.635592
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:15:40
Audit Action: Manually Integrated Audit Reason: Assign Peak

Eurofins Seattle

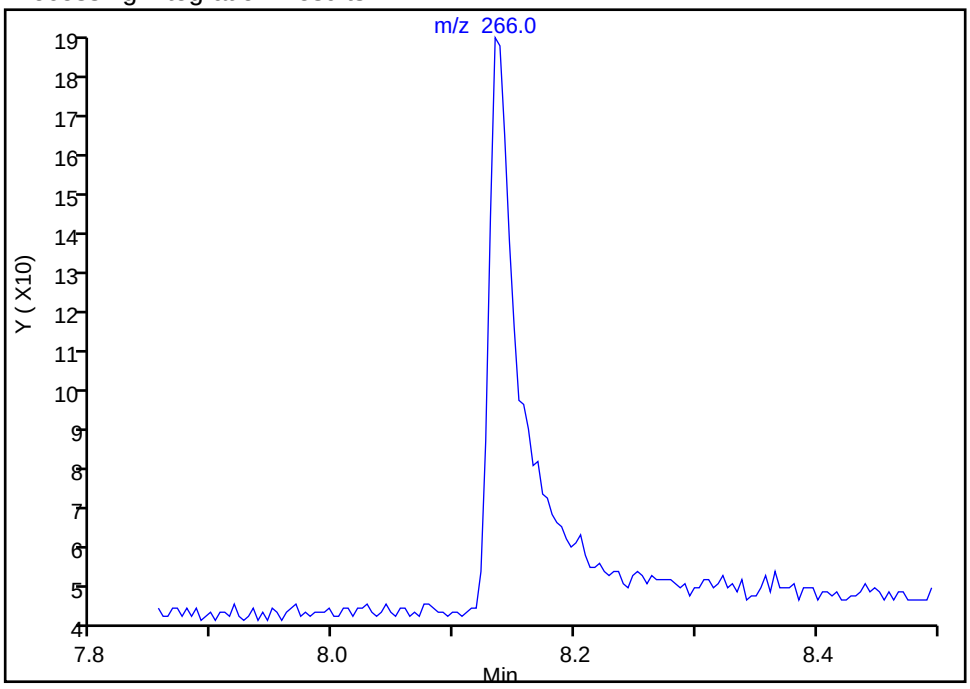
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b021.D
Injection Date: 14-Jan-2022 03:29:30 Instrument ID: TAC050
Lims ID: std6
Client ID:
Operator ID: jcm ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

17 Pentachlorophenol, CAS: 87-86-5

Signal: 1

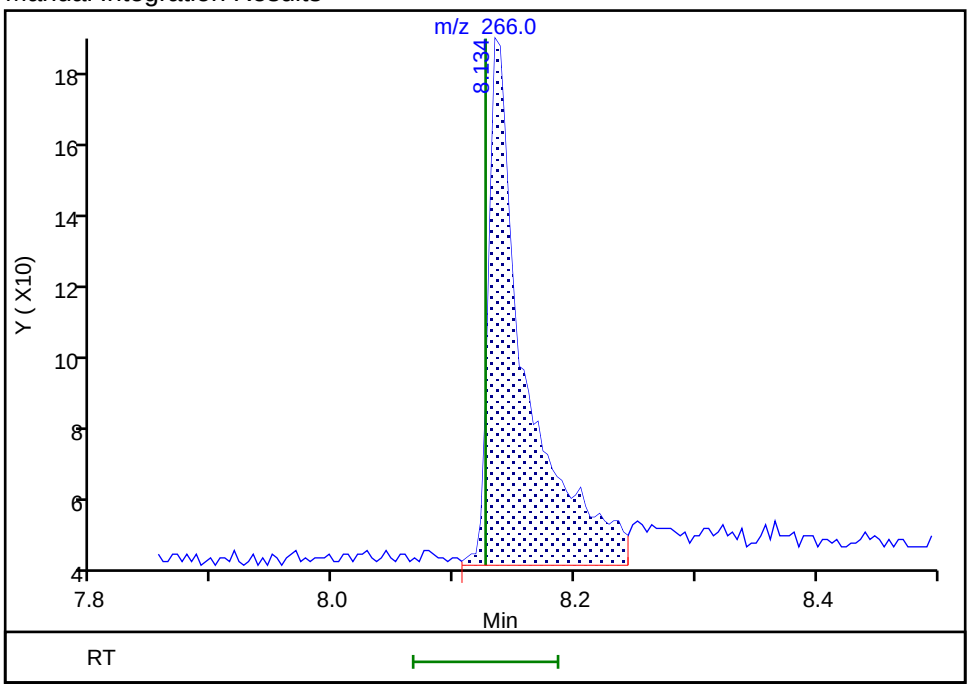
Not Detected
Expected RT: 8.13

Processing Integration Results



Manual Integration Results

RT: 8.13
Area: 304
Amount: 107.1297
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:15:19
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

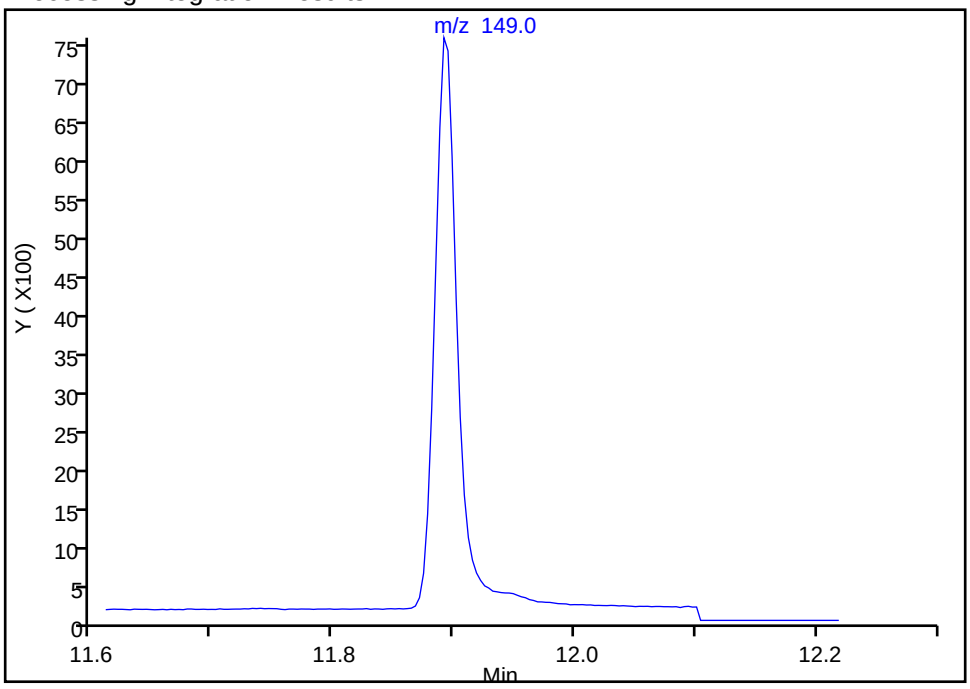
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b021.D
Injection Date: 14-Jan-2022 03:29:30 Instrument ID: TAC050
Lims ID: std6
Client ID:
Operator ID: jcm ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

30 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7

Signal: 1

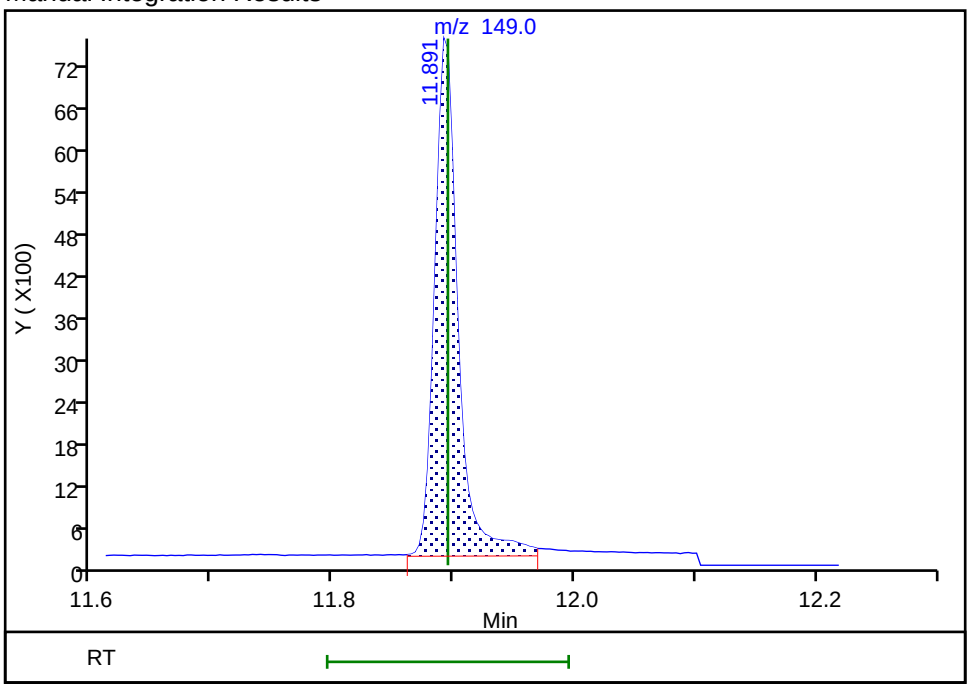
Not Detected
Expected RT: 11.89

Processing Integration Results



Manual Integration Results

RT: 11.89
Area: 9999
Amount: 51.226792
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:15:00
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

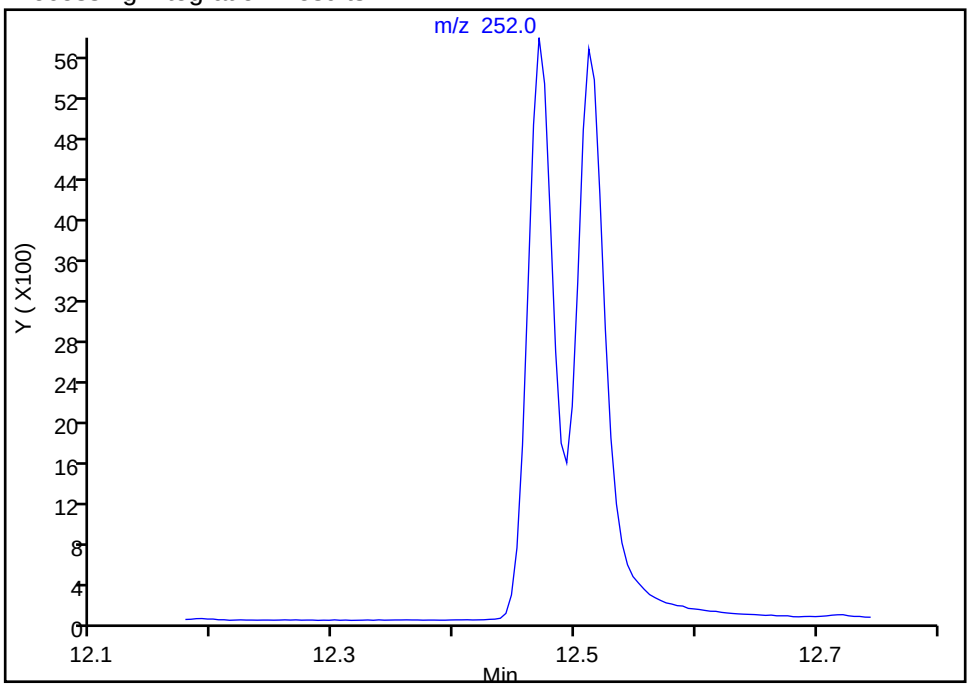
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b021.D				
Injection Date:	14-Jan-2022 03:29:30	Instrument ID:	TAC050		
Lims ID:	std6				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

24 Benzo[b]fluoranthene, CAS: 205-99-2

Signal: 1

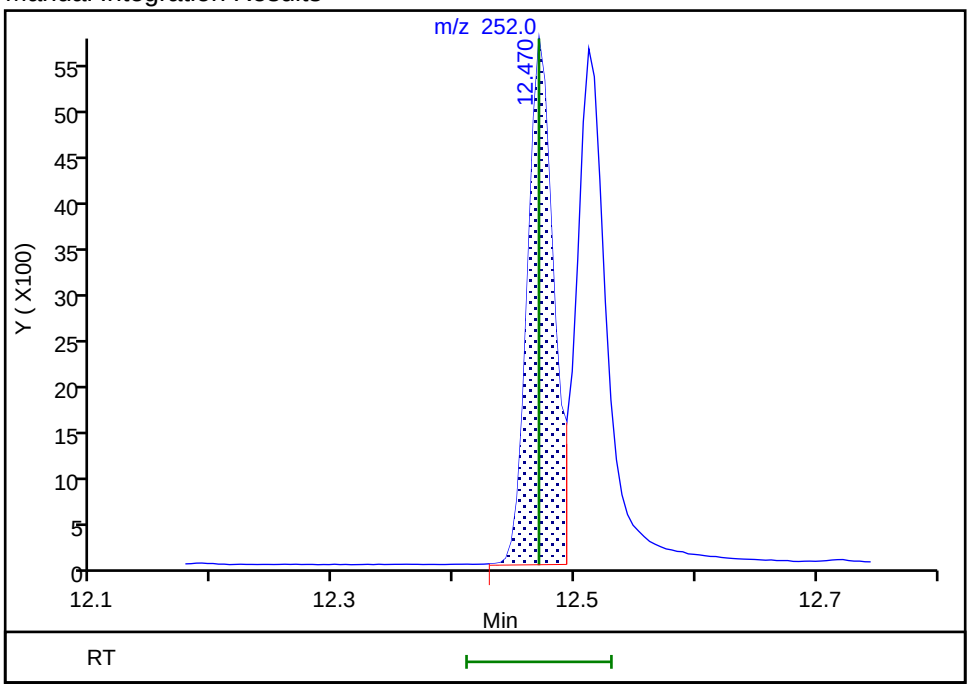
Not Detected
Expected RT: 12.47

Processing Integration Results



Manual Integration Results

RT: 12.47
Area: 8556
Amount: 47.298391
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:14:50
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Seattle

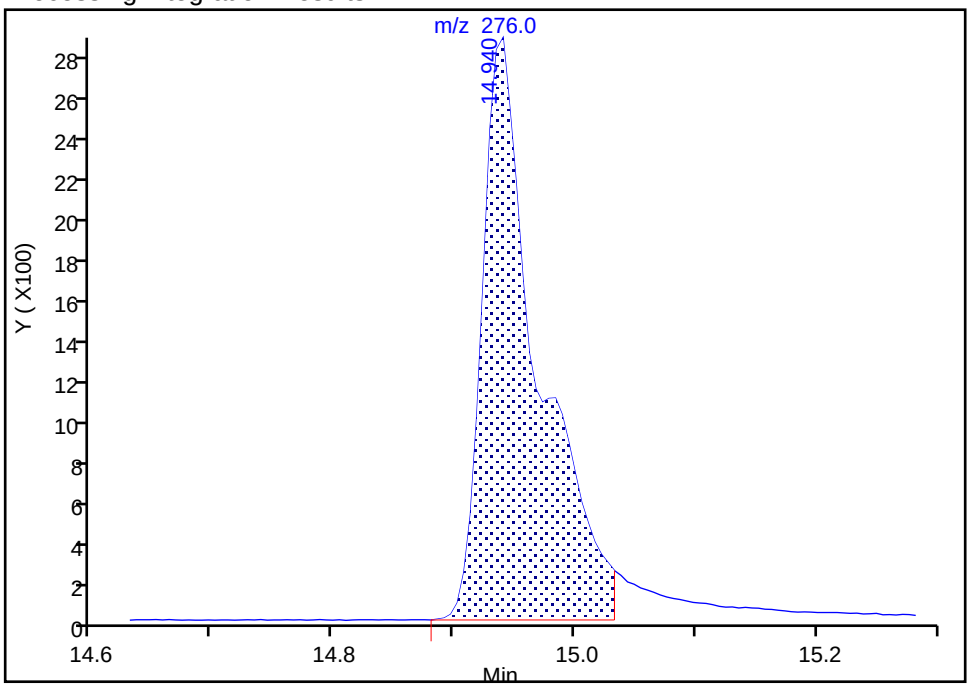
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b021.D
Injection Date: 14-Jan-2022 03:29:30 Instrument ID: TAC050
Lims ID: std6
Client ID:
Operator ID: jcm ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

27 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

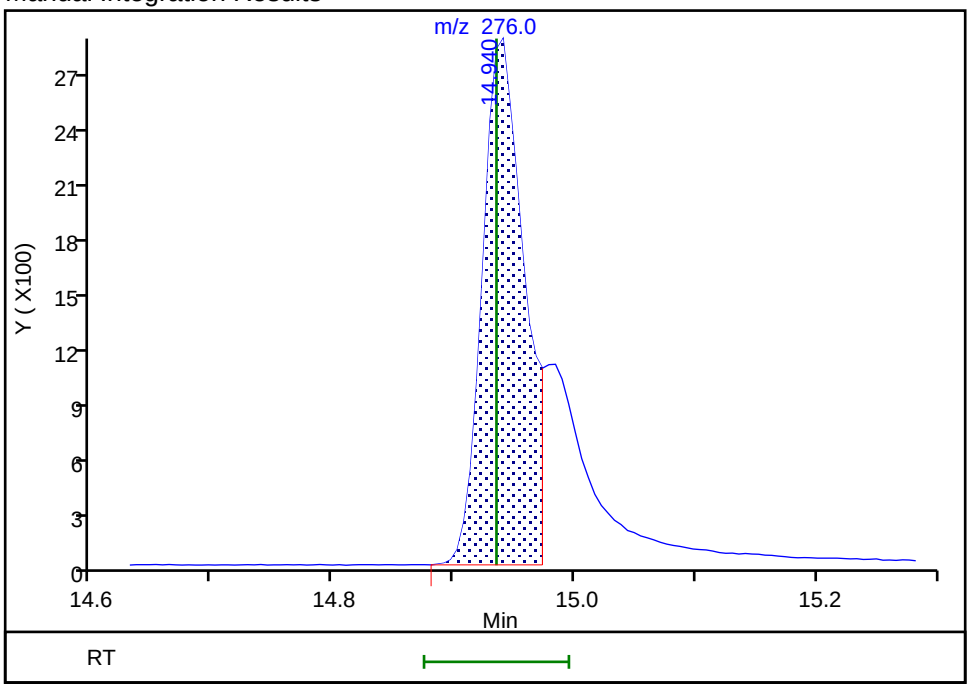
Processing Integration Results

RT: 14.94
Area: 9130
Amount: 55.625137
Amount Units: ug/L



Manual Integration Results

RT: 14.94
Area: 6730
Amount: 45.508891
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:14:35
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

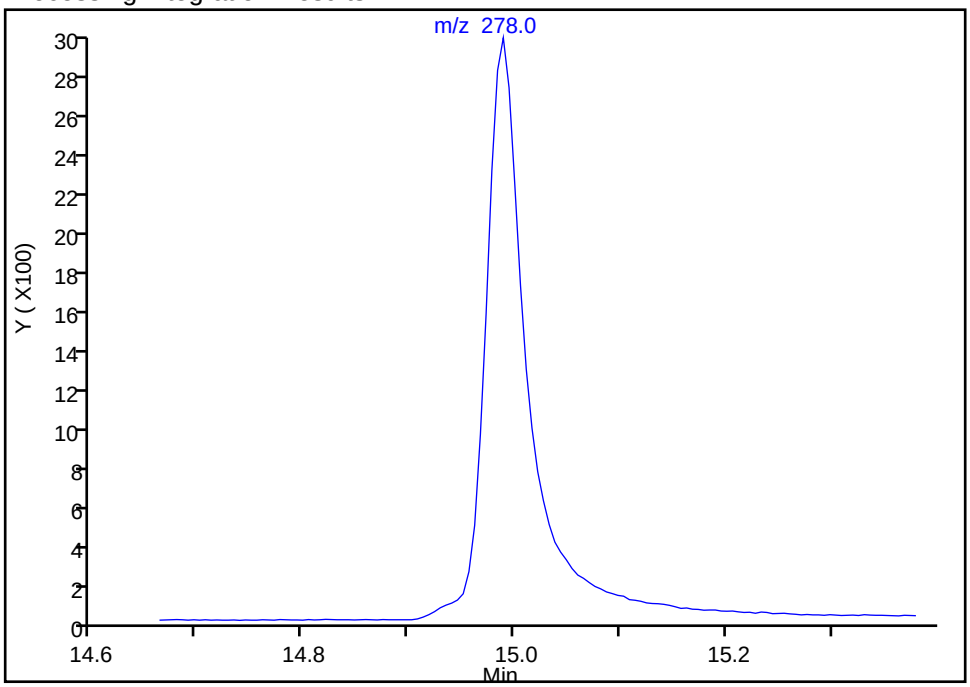
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b021.D				
Injection Date:	14-Jan-2022 03:29:30	Instrument ID:	TAC050		
Lims ID:	std6				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

28 Dibenz(a,h)anthracene, CAS: 53-70-3

Signal: 1

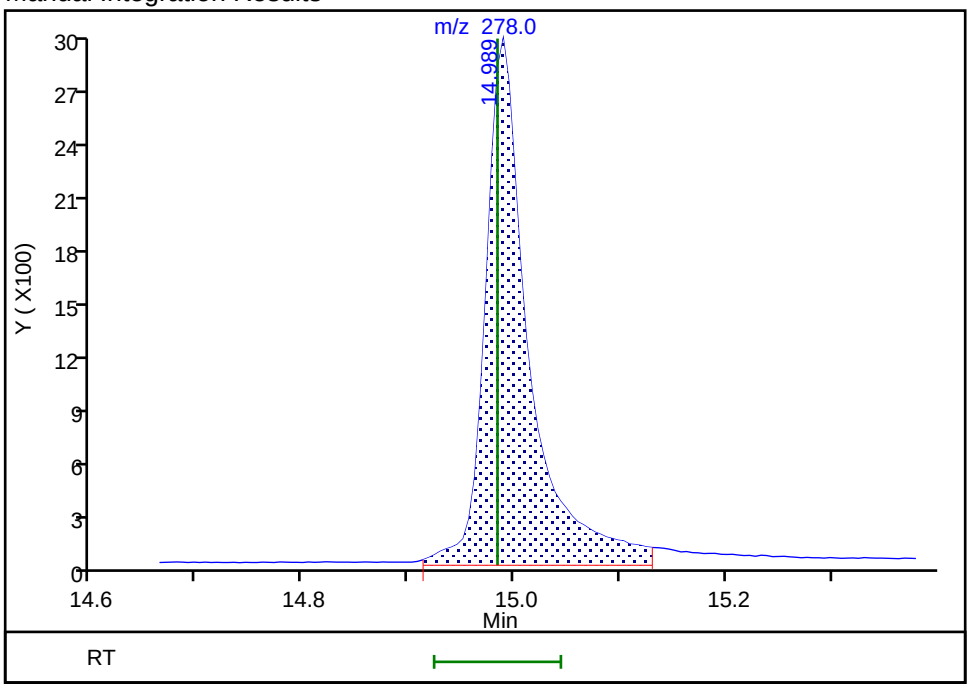
Not Detected
Expected RT: 14.98

Processing Integration Results



Manual Integration Results

RT: 14.99
Area: 8317
Amount: 47.918372
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:14:23
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Seattle

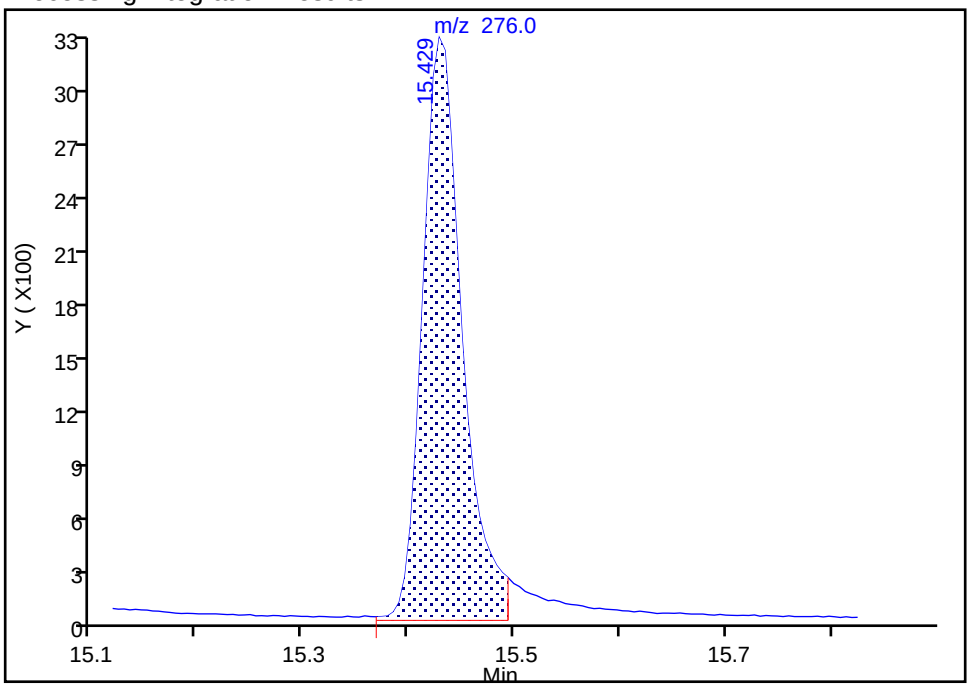
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b021.D				
Injection Date:	14-Jan-2022 03:29:30	Instrument ID:	TAC050		
Lims ID:	std6				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

29 Benzo[g,h,i]perylene, CAS: 191-24-2

Signal: 1

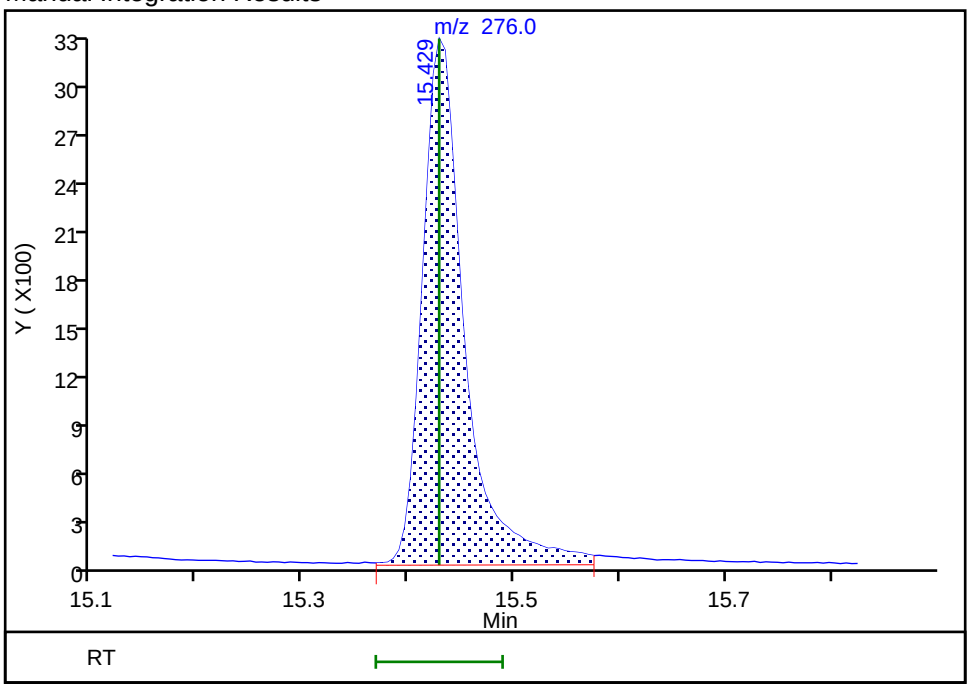
Processing Integration Results

RT: 15.43
Area: 8423
Amount: 44.421994
Amount Units: ug/L



Manual Integration Results

RT: 15.43
Area: 8933
Amount: 47.371003
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:14:29
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b022.D
Lims ID: std5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 14-Jan-2022 03:48:30 ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 5
Operator ID: jcm Instrument ID: TAC050
Sublist: chrom-TAC050_SIM_PAH*sub9

Method: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\TAC050_SIM_PAH.m
Limit Group: 8270D_SIM QSM 5.0
Last Update: 14-Jan-2022 15:42:17 Calib Date: 14-Jan-2022 05:04:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D

Column 1 : Det: MS SCAN
Process Host: CTX1628

First Level Reviewer: limmere Date: 14-Jan-2022 10:08:28

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 Naphthalene-d8	136	5.171	5.171	0.000	90	21291	100.0	100.0	
* 2 Acenaphthene-d10	164	6.854	6.854	0.000	71	9613	100.0	100.0	
* 3 Phenanthrene-d10	188	8.319	8.319	0.001	56	14596	100.0	100.0	
* 4 Chrysene-d12	240	11.030	11.030	0.000	51	11088	100.0	100.0	
* 5 Perylene-d12	264	13.079	13.074	0.005	69	13110	100.0	100.0	
$ 6 2-methylnaphthalene-d10	152	5.809	5.809	0.000	67	2533	20.0	20.1	
$ 10 2-Fluorobiphenyl	172	6.190	6.190	0.000	0	3165	20.0	20.6	M
$ 7 2,4,6-Tribromophenol	330	7.632	7.628	0.004	59	396	20.0	20.8	M
$ 8 Fluoranthene-d10 (Surr)	212	9.502	9.502	0.000	69	3024	20.0	18.9	
$ 9 Terphenyl-d14	244	9.900	9.896	0.004	95	2154	20.0	18.4	
11 Naphthalene	128	5.189	5.189	0.000	100	4620	20.0	20.5	M
12 2-Methylnaphthalene	141	5.841	5.841	0.000	96	2578	20.0	20.2	
13 1-Methylnaphthalene	141	5.937	5.937	0.000	98	2491	20.0	20.1	
14 Acenaphthylene	152	6.717	6.717	0.000	100	4001	20.0	19.7	
15 Acenaphthene	153	6.884	6.884	0.000	96	2549	20.0	20.0	
16 Fluorene	166	7.394	7.389	0.005	93	2657	20.0	18.7	
17 Pentachlorophenol	266	8.146	8.126	0.020	99	49	40.0	85.5	M
18 Phenanthrene	178	8.342	8.342	0.000	100	3789	20.0	19.5	
19 Anthracene	178	8.393	8.389	0.004	100	3797	20.0	19.6	
20 Fluoranthene	202	9.522	9.522	0.000	52	3616	20.0	18.8	
21 Pyrene	202	9.750	9.746	0.004	51	3774	20.0	18.5	
22 Benzo[a]anthracene	228	11.017	11.012	0.005	90	3279	20.0	19.3	M
23 Chrysene	228	11.058	11.057	0.001	99	3566	20.0	20.0	
30 Bis(2-ethylhexyl) phthalate	149	11.891	11.895	-0.004	0	3545	20.0	18.2	M
24 Benzo[b]fluoranthene	252	12.470	12.470	0.000	98	3324	20.0	18.6	M
25 Benzo[k]fluoranthene	252	12.516	12.511	0.005	95	3813	20.0	19.1	Ma
26 Benzo[a]pyrene	252	12.987	12.983	0.004	97	3231	20.0	18.1	a
27 Indeno[1,2,3-cd]pyrene	276	14.940	14.935	0.005	96	2407	20.0	17.1	Ma
28 Dibenz(a,h)anthracene	278	14.989	14.984	0.005	97	2953	20.0	17.3	Ma
29 Benzo[g,h,i]perylene	276	15.434	15.429	0.005	93	3494	20.0	18.9	Ma

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8270ccvl_50_00039	Amount Added: 400.00	Units: uL
8270SIM_IS_00069	Amount Added: 6.00	Units: uL

Report Date: 14-Jan-2022 15:42:17 Chrom Revision: 2.3 03-Jan-2022 17:03:12

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b022.D

Injection Date: 14-Jan-2022 03:48:30 Instrument ID: TAC050

Lims ID: std5

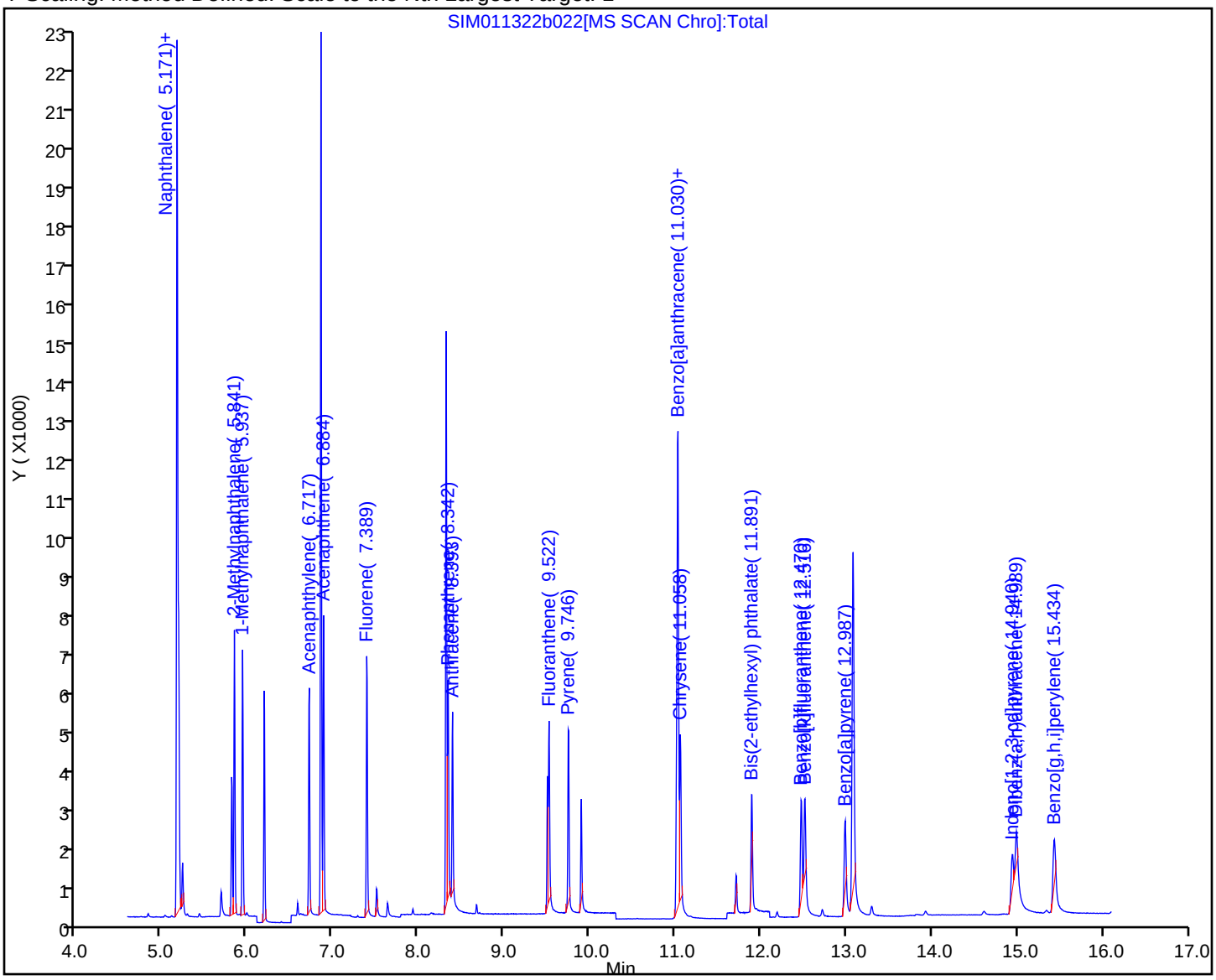
Client ID:

Operator ID: jcm ALS Bottle#: 12 Worklist Smp#: 12

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Seattle

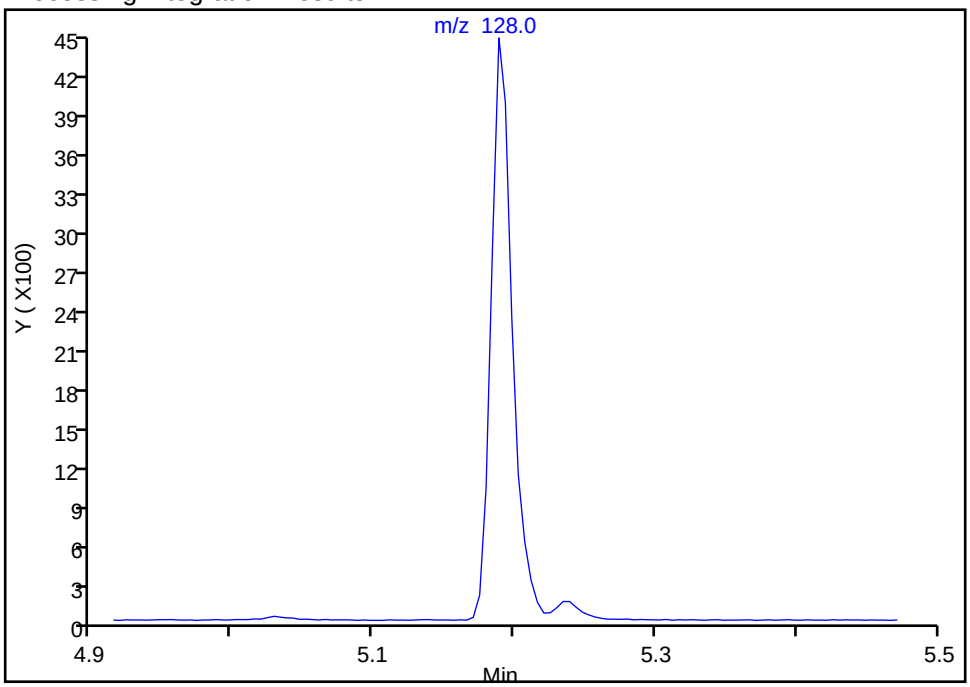
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b022.D				
Injection Date:	14-Jan-2022 03:48:30	Instrument ID:	TAC050		
Lims ID:	std5				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

11 Naphthalene, CAS: 91-20-3

Signal: 1

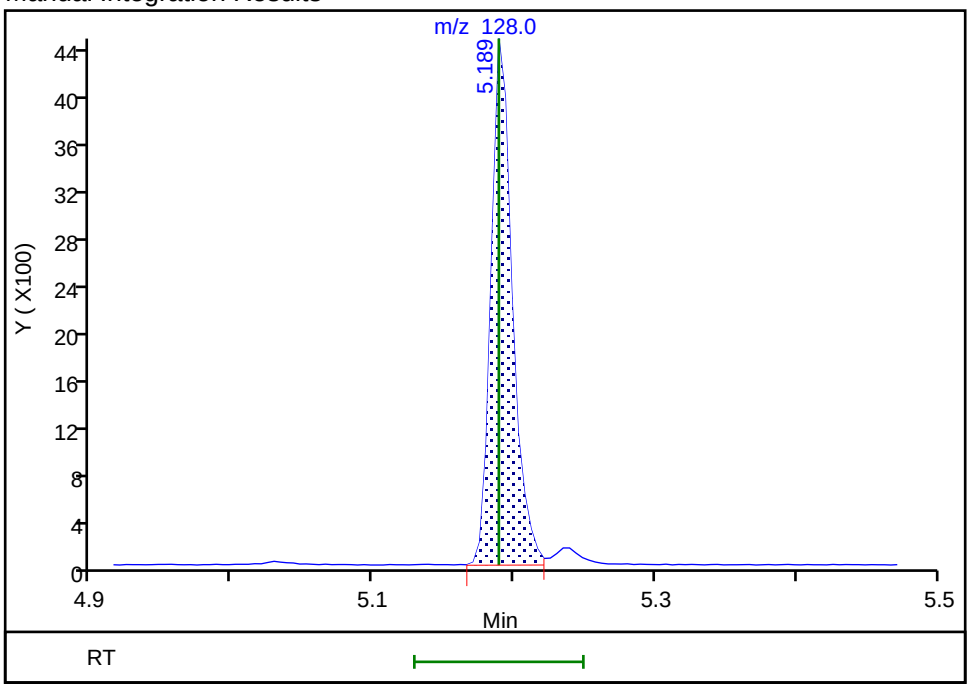
Not Detected
Expected RT: 5.19

Processing Integration Results



Manual Integration Results

RT: 5.19
Area: 4620
Amount: 20.516495
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:16:33
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

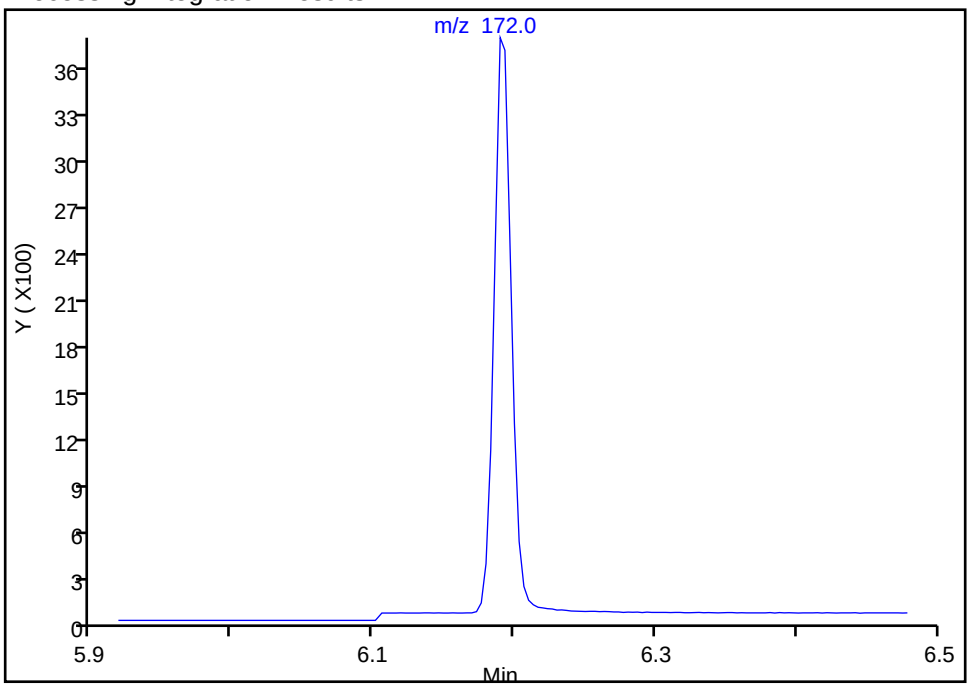
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b022.D				
Injection Date:	14-Jan-2022 03:48:30	Instrument ID:	TAC050		
Lims ID:	std5				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

$ 10 2-Fluorobiphenyl, CAS: 321-60-8

Signal: 1

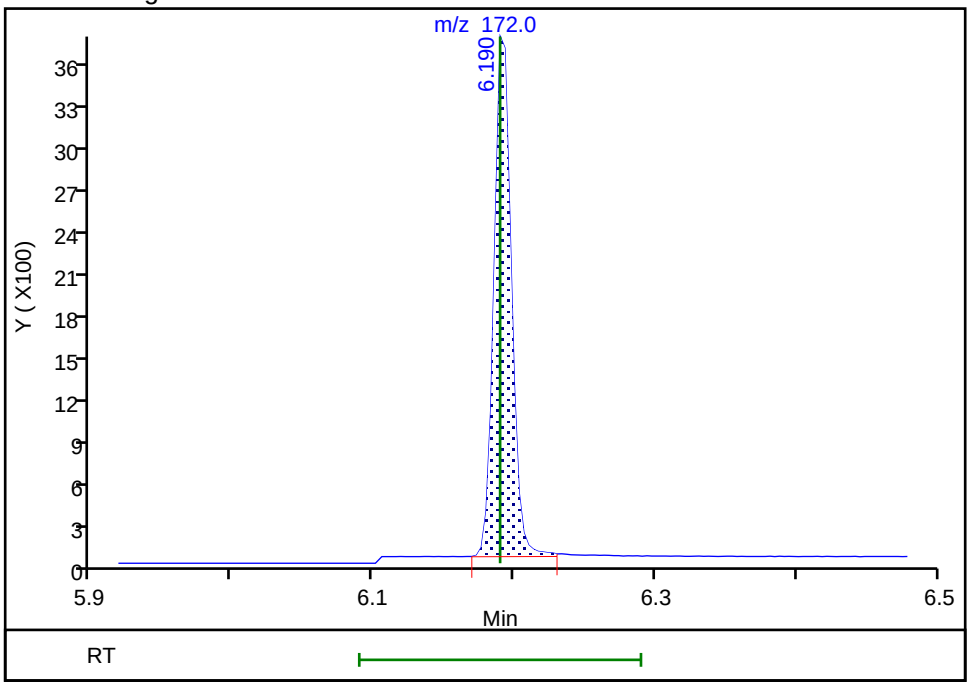
Not Detected
Expected RT: 6.19

Processing Integration Results



Manual Integration Results

RT: 6.19
Area: 3165
Amount: 20.575315
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:16:15
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

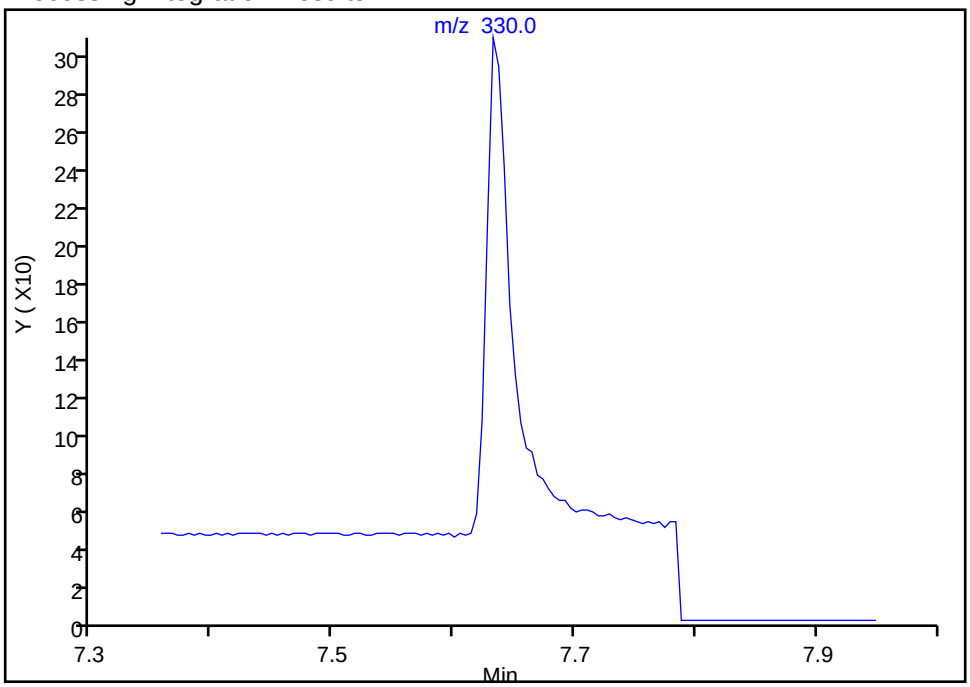
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b022.D				
Injection Date:	14-Jan-2022 03:48:30	Instrument ID:	TAC050		
Lims ID:	std5				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

$ 7 2,4,6-Tribromophenol, CAS: 118-79-6

Signal: 1

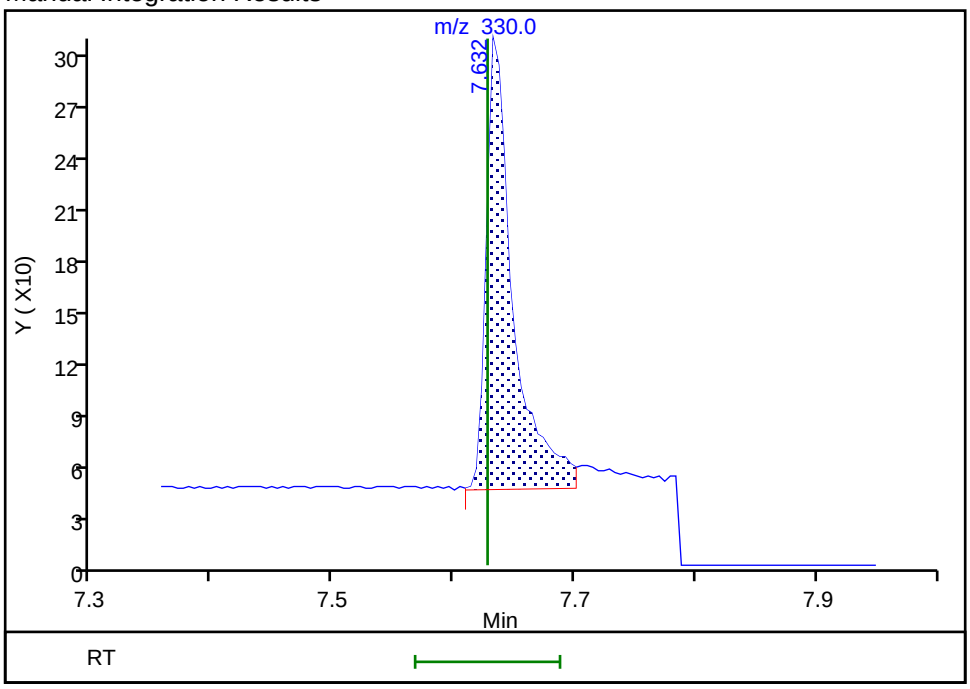
Not Detected
Expected RT: 7.63

Processing Integration Results



RT: 7.63
Area: 396
Amount: 20.819703
Amount Units: ug/L

Manual Integration Results



Reviewer: boylea, 14-Jan-2022 14:16:23
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

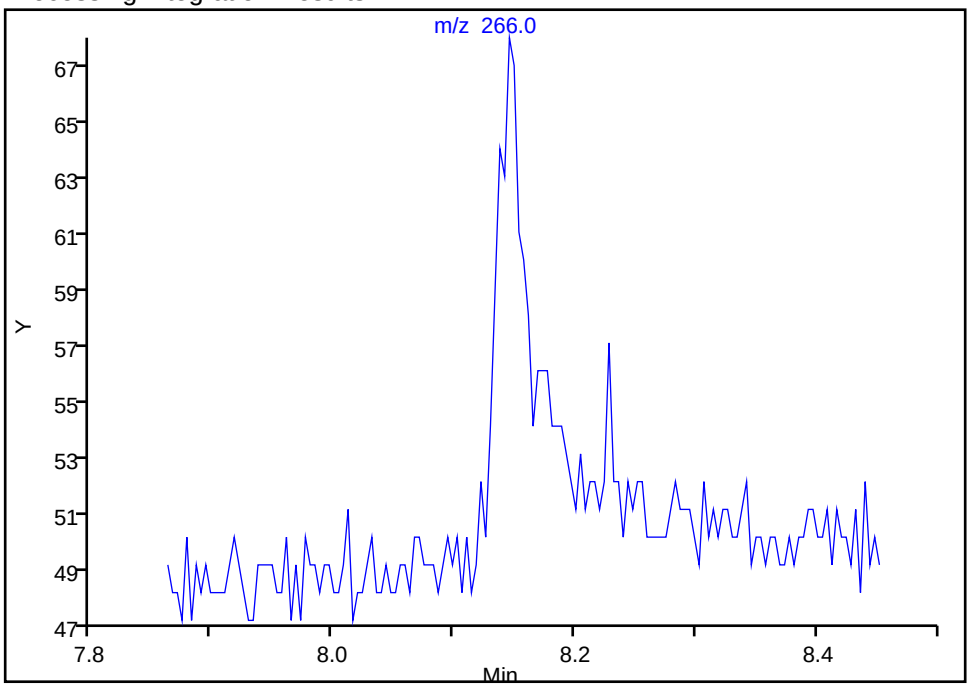
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b022.D				
Injection Date:	14-Jan-2022 03:48:30	Instrument ID:	TAC050		
Lims ID:	std5				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

17 Pentachlorophenol, CAS: 87-86-5

Signal: 1

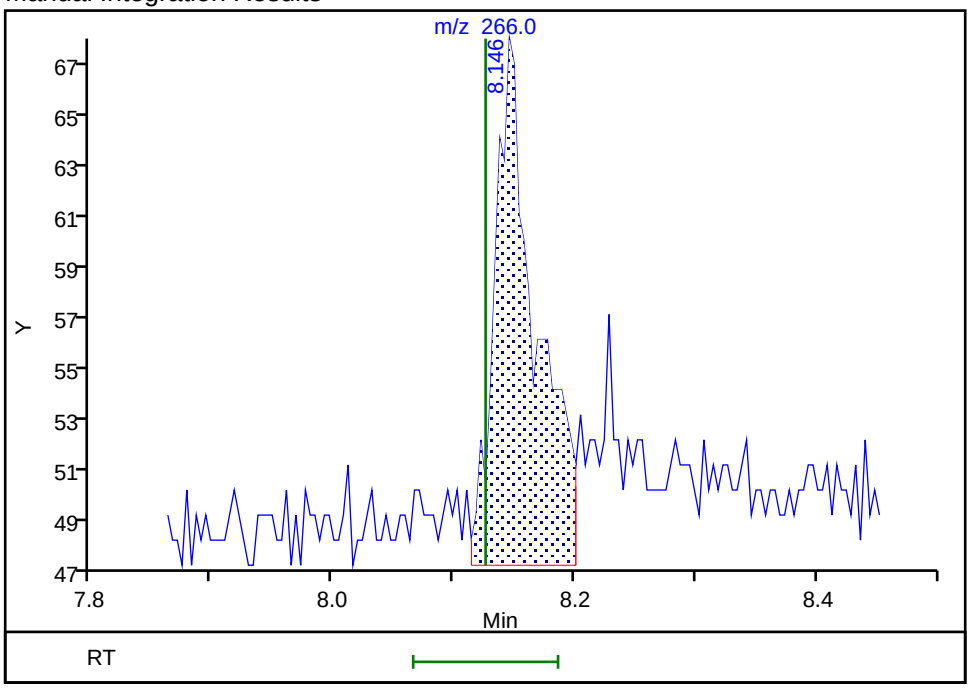
Not Detected
Expected RT: 8.13

Processing Integration Results



Manual Integration Results

RT: 8.15
Area: 49
Amount: 85.523380
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:16:47
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

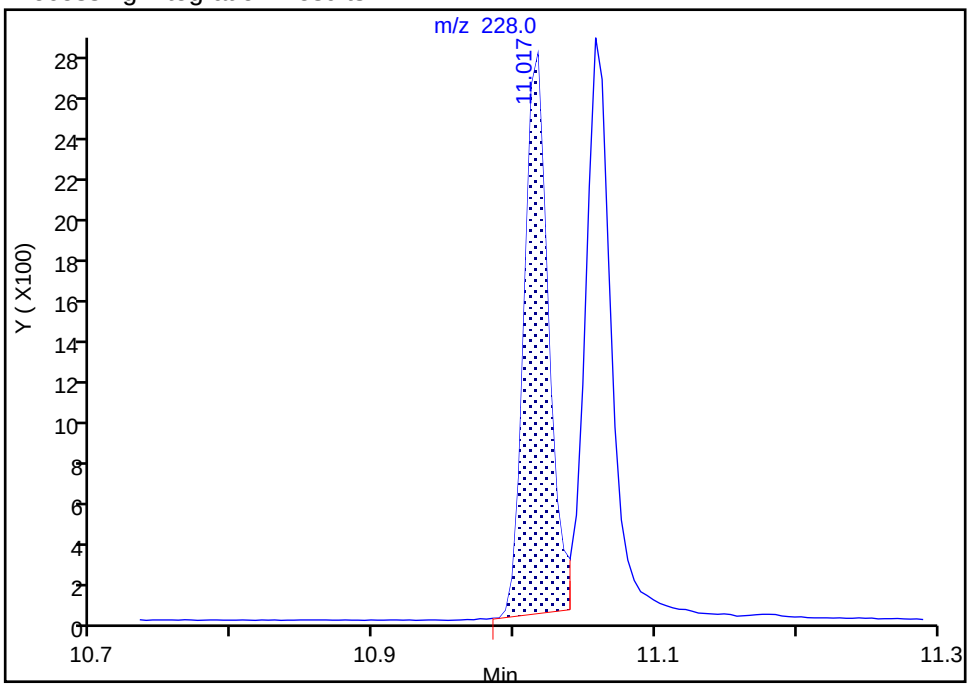
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b022.D
Injection Date: 14-Jan-2022 03:48:30 Instrument ID: TAC050
Lims ID: std5
Client ID:
Operator ID: jcm ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

22 Benzo[a]anthracene, CAS: 56-55-3

Signal: 1

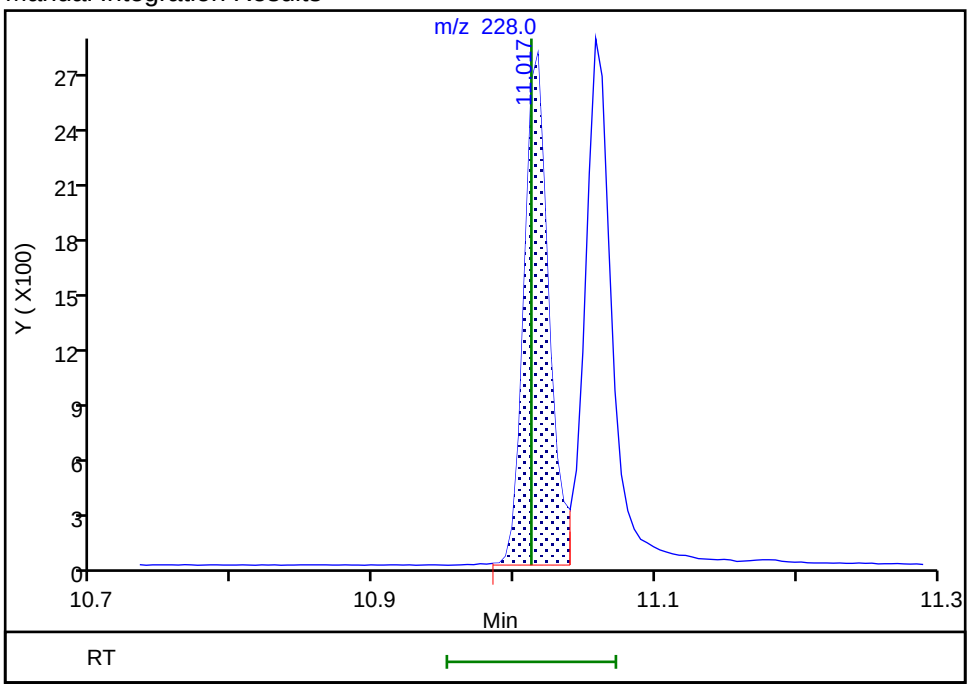
Processing Integration Results

RT: 11.02
Area: 3189
Amount: 18.731486
Amount Units: ug/L



Manual Integration Results

RT: 11.02
Area: 3279
Amount: 19.288123
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:17:09
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Seattle

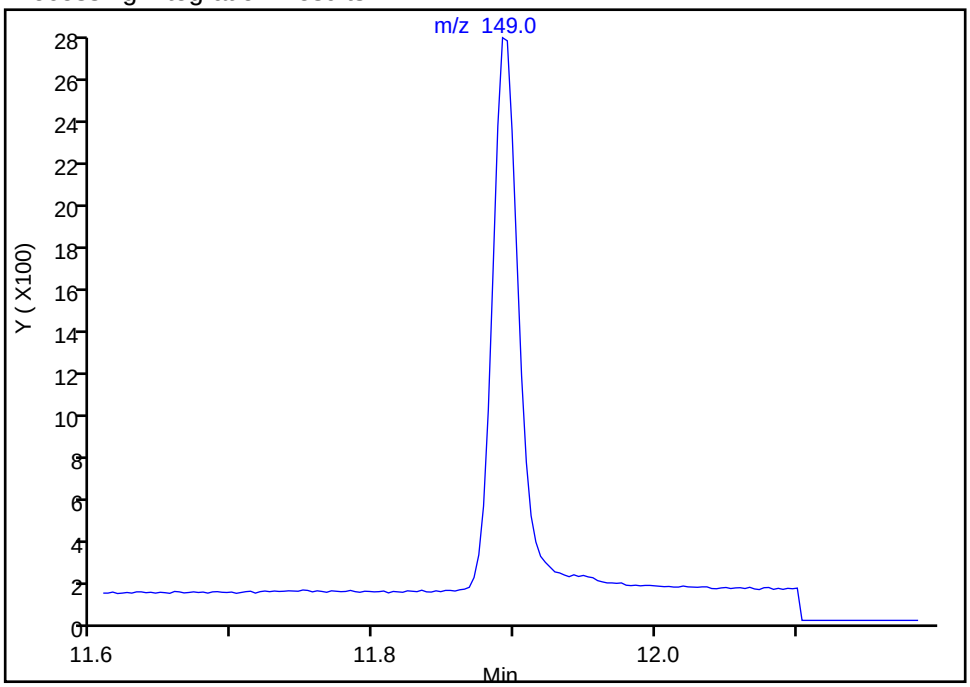
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b022.D				
Injection Date:	14-Jan-2022 03:48:30	Instrument ID:	TAC050		
Lims ID:	std5				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

30 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7

Signal: 1

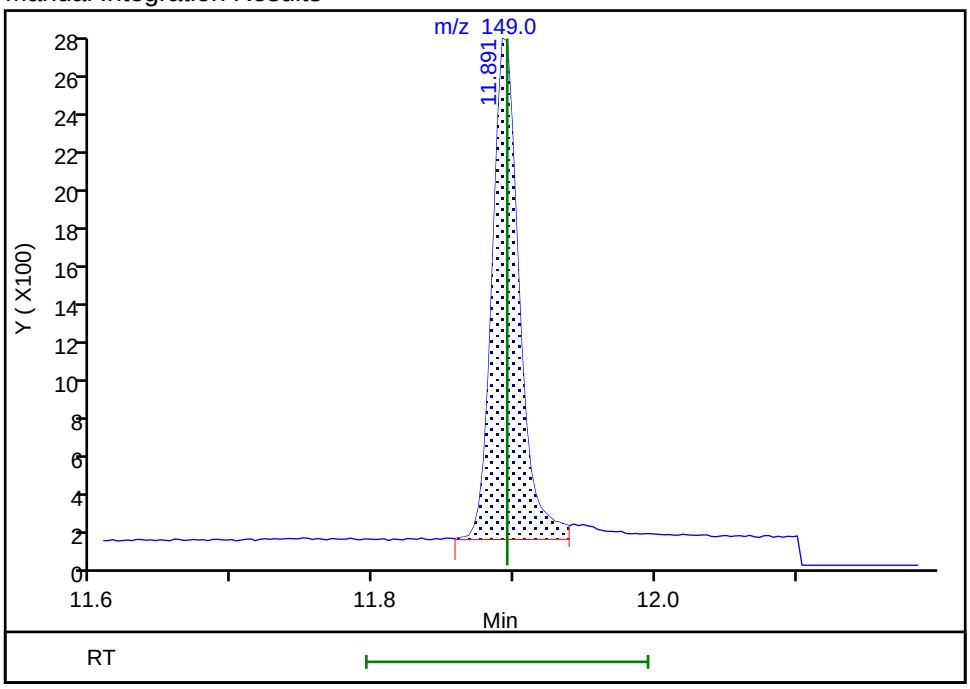
Not Detected
Expected RT: 11.89

Processing Integration Results



Manual Integration Results

RT: 11.89
Area: 3545
Amount: 18.232581
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:18:00
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

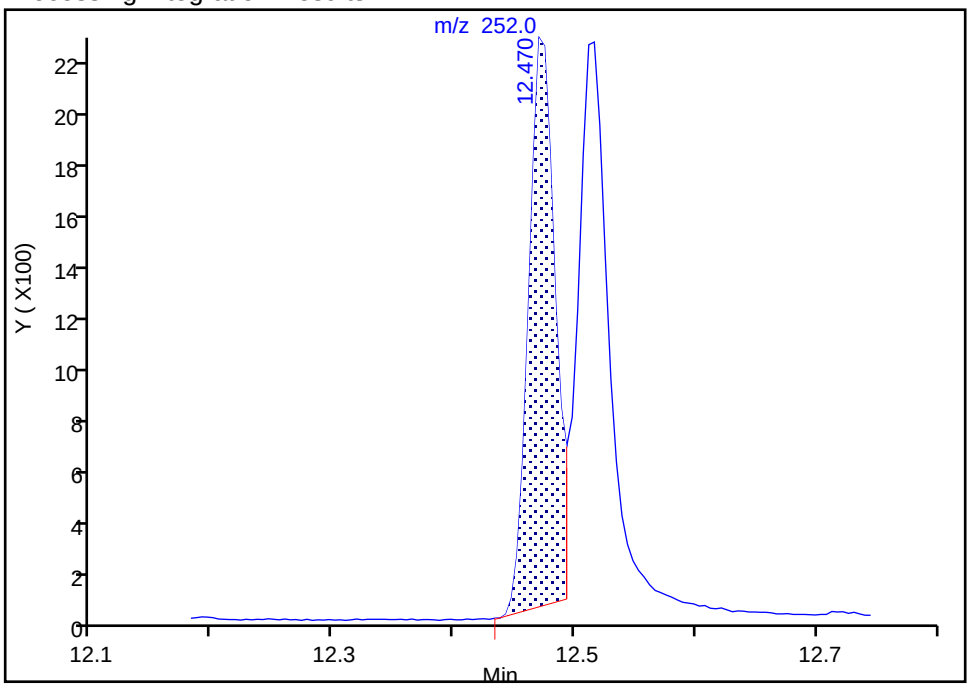
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b022.D				
Injection Date:	14-Jan-2022 03:48:30	Instrument ID:	TAC050		
Lims ID:	std5				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

24 Benzo[b]fluoranthene, CAS: 205-99-2

Signal: 1

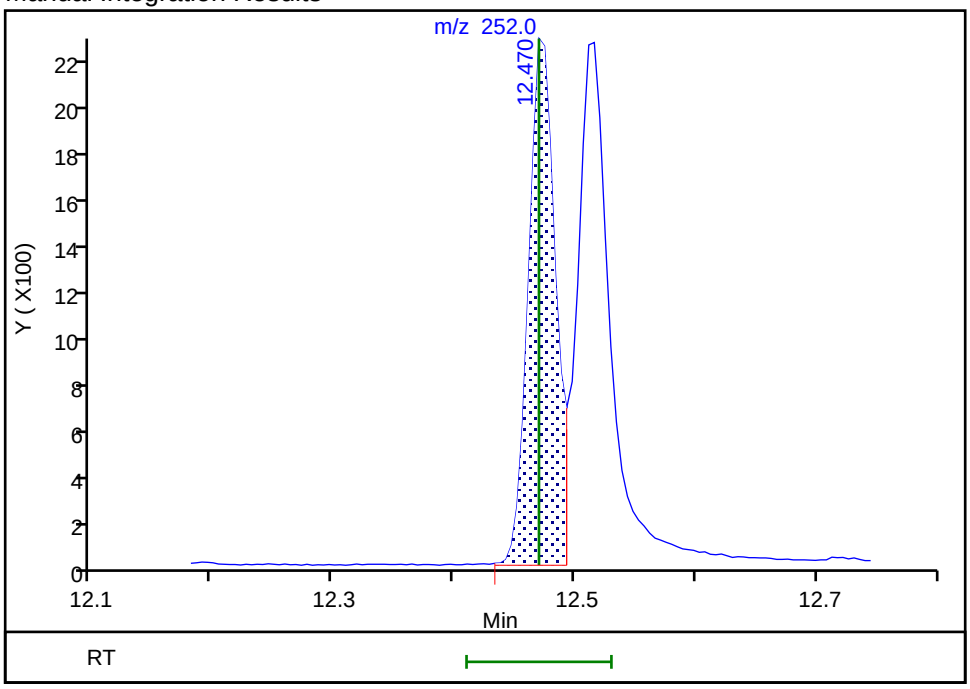
Processing Integration Results

RT: 12.47
Area: 3176
Amount: 17.641583
Amount Units: ug/L



Manual Integration Results

RT: 12.47
Area: 3324
Amount: 18.634458
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:18:09
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Seattle

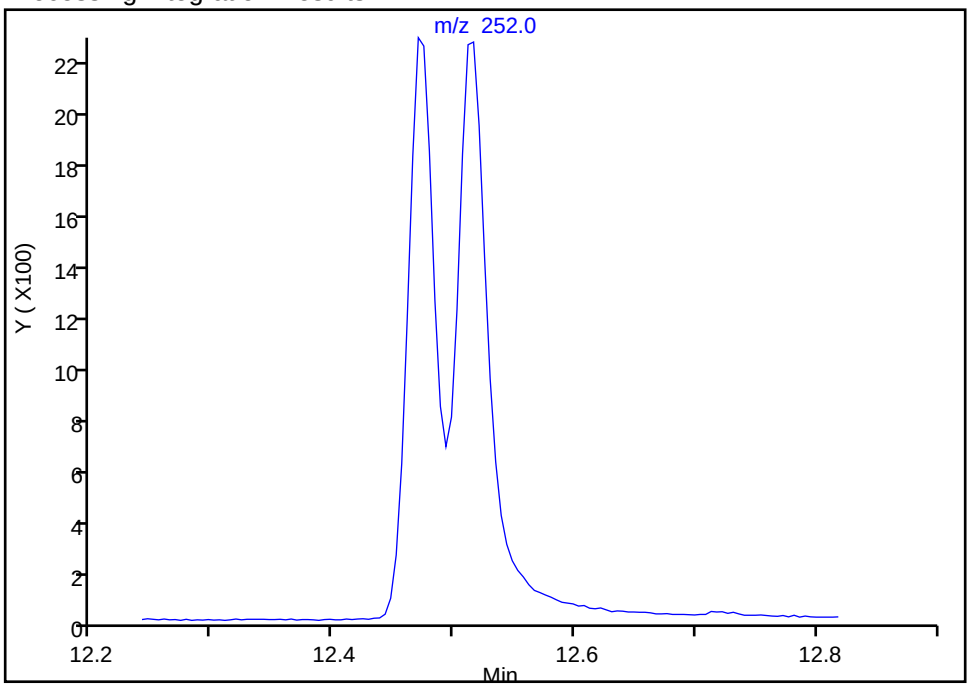
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b022.D				
Injection Date:	14-Jan-2022 03:48:30	Instrument ID:	TAC050		
Lims ID:	std5				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

25 Benzo[k]fluoranthene, CAS: 207-08-9

Signal: 1

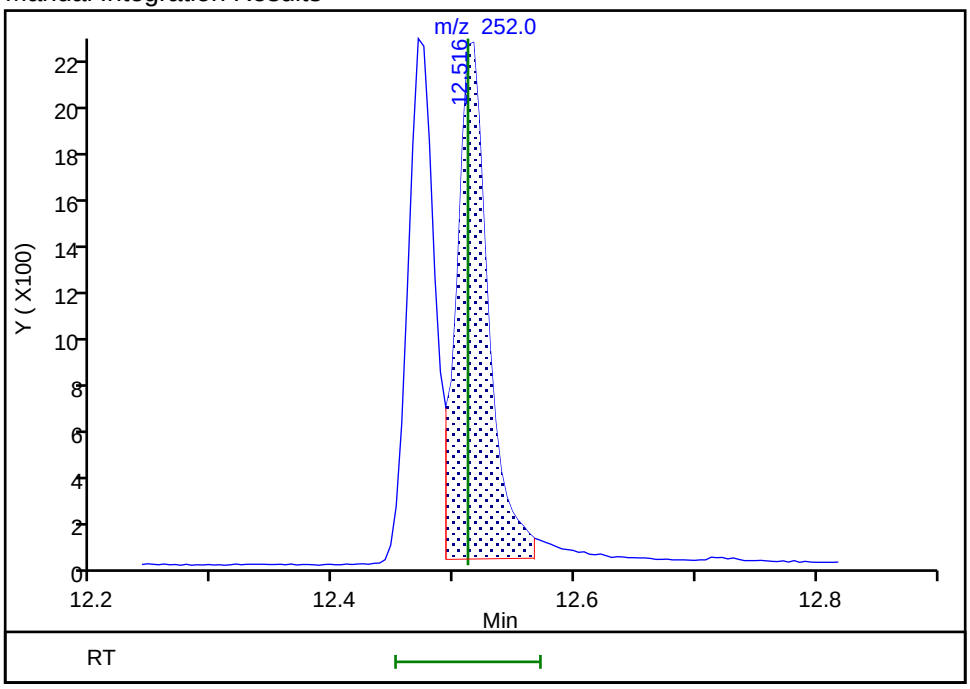
Not Detected
Expected RT: 12.51

Processing Integration Results



Manual Integration Results

RT: 12.52
Area: 3813
Amount: 19.119632
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:18:19
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Seattle

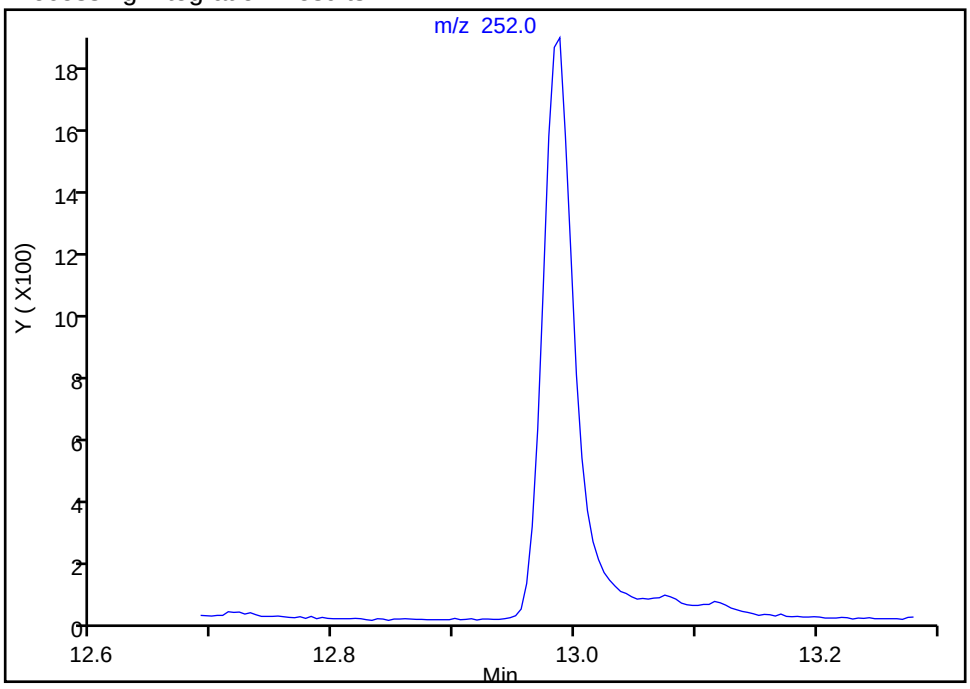
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b022.D				
Injection Date:	14-Jan-2022 03:48:30	Instrument ID:	TAC050		
Lims ID:	std5				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

26 Benzo[a]pyrene, CAS: 50-32-8

Signal: 1

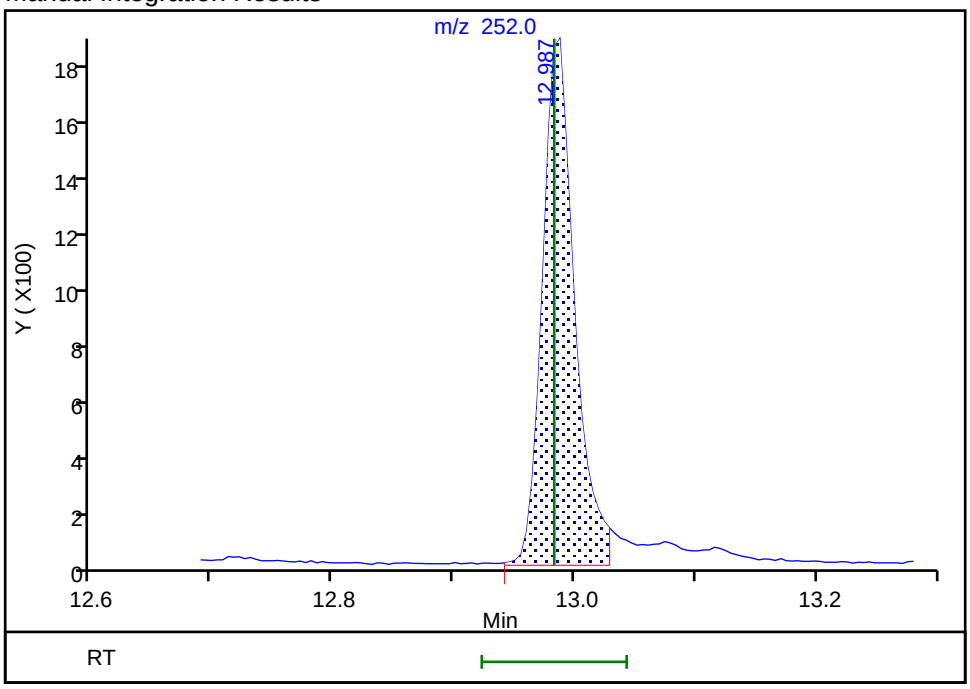
Not Detected
Expected RT: 12.98

Processing Integration Results



Manual Integration Results

RT: 12.99
Area: 3231
Amount: 18.130150
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:18:25
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Seattle

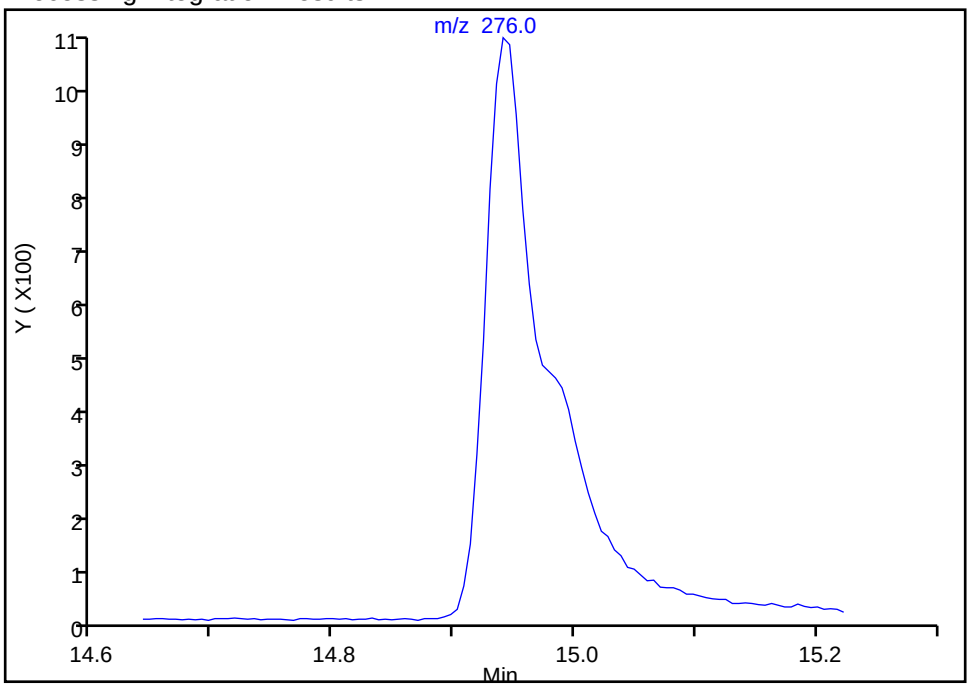
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b022.D				
Injection Date:	14-Jan-2022 03:48:30	Instrument ID:	TAC050		
Lims ID:	std5				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

27 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

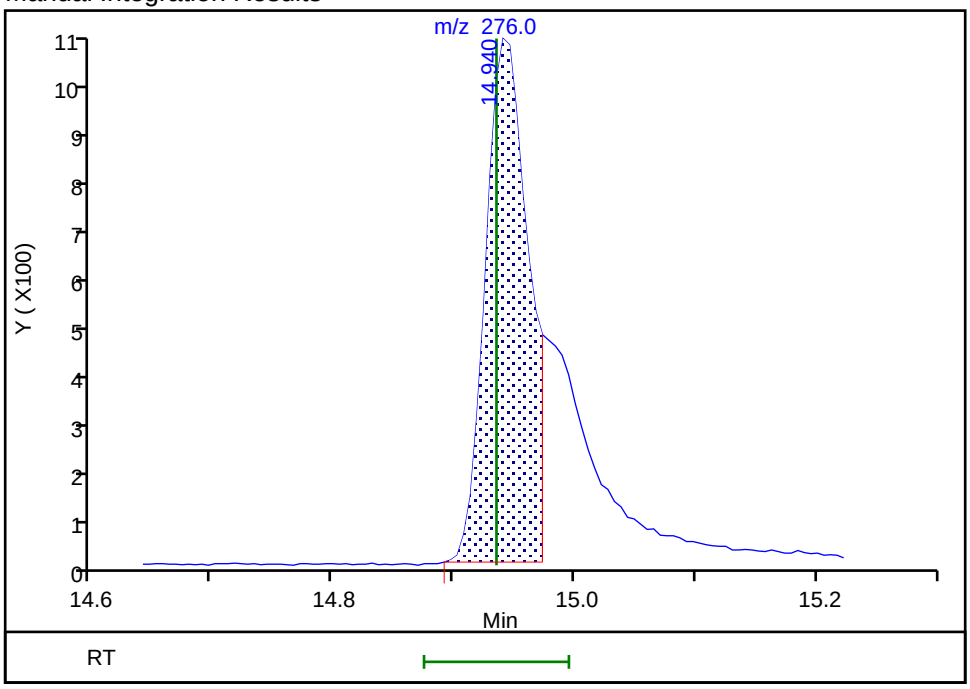
Not Detected
Expected RT: 14.93

Processing Integration Results



Manual Integration Results

RT: 14.94
Area: 2407
Amount: 17.073181
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:18:40
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

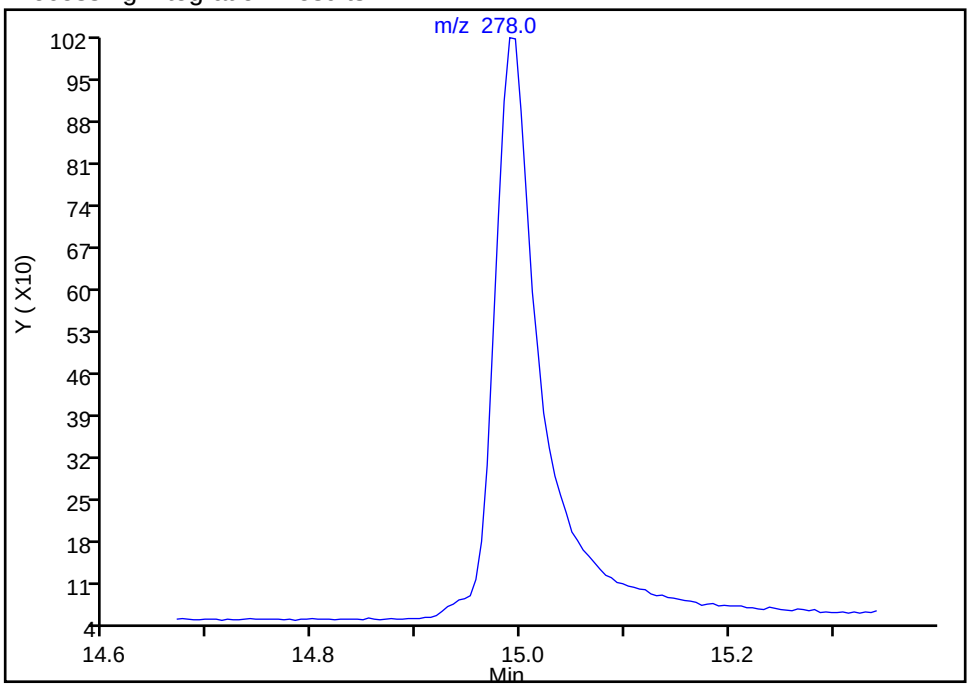
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b022.D				
Injection Date:	14-Jan-2022 03:48:30	Instrument ID:	TAC050		
Lims ID:	std5				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

28 Dibenz(a,h)anthracene, CAS: 53-70-3

Signal: 1

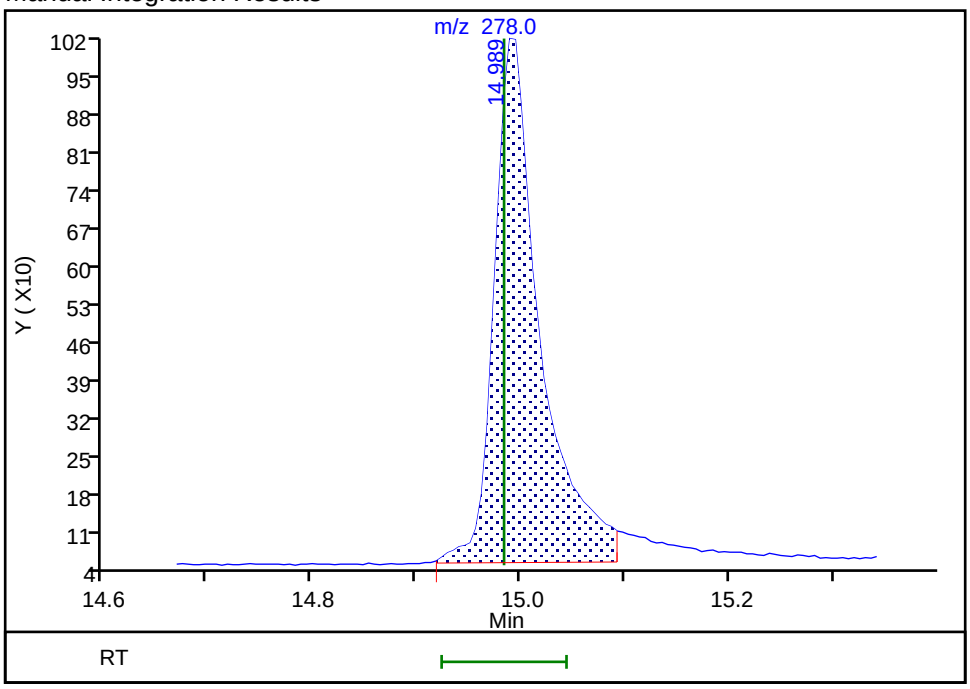
Not Detected
Expected RT: 14.98

Processing Integration Results



Manual Integration Results

RT: 14.99
Area: 2953
Amount: 17.322307
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:19:13
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

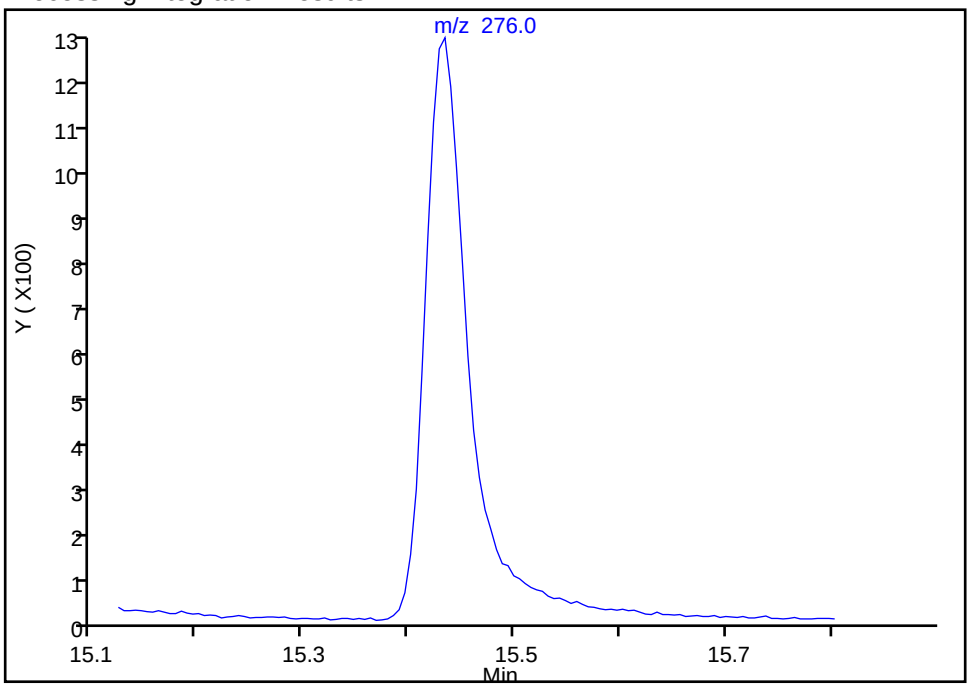
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b022.D				
Injection Date:	14-Jan-2022 03:48:30	Instrument ID:	TAC050		
Lims ID:	std5				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

29 Benzo[g,h,i]perylene, CAS: 191-24-2

Signal: 1

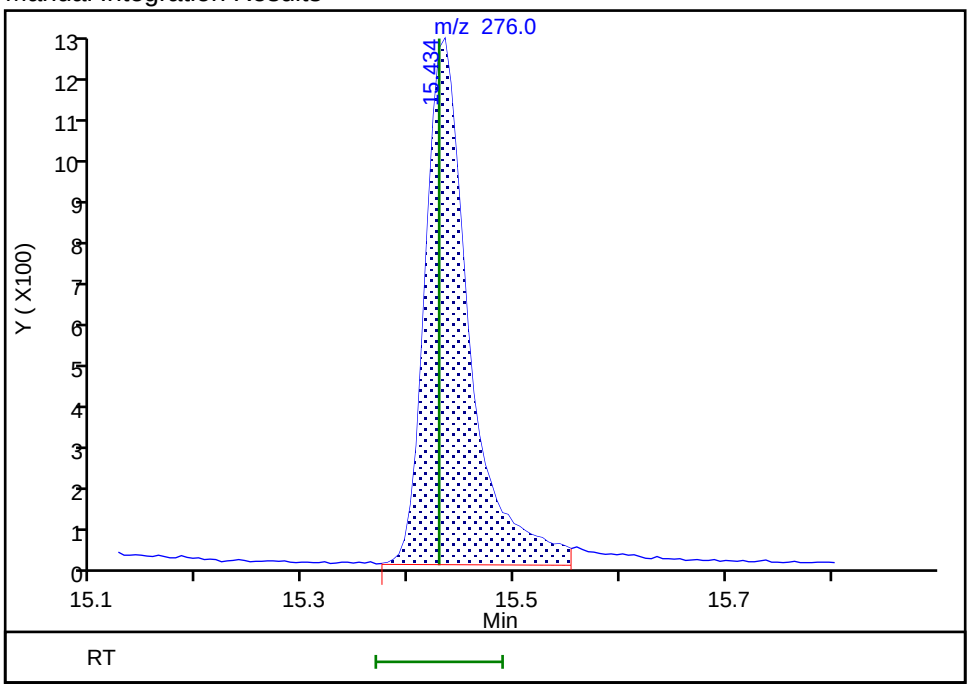
Not Detected
Expected RT: 15.43

Processing Integration Results



Manual Integration Results

RT: 15.43
Area: 3494
Amount: 18.853612
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:19:25
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b023.D
Lims ID: std4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 14-Jan-2022 04:07:30 ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 4
Operator ID: jcm Instrument ID: TAC050
Sublist: chrom-TAC050_SIM_PAH*sub9

Method: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\TAC050_SIM_PAH.m
Limit Group: 8270D_SIM QSM 5.0
Last Update: 14-Jan-2022 15:42:18 Calib Date: 14-Jan-2022 05:04:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D

Column 1 : Det: MS SCAN
Process Host: CTX1628

First Level Reviewer: limmere Date: 14-Jan-2022 10:11:08

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 Naphthalene-d8	136	5.171	5.171	0.000	90	21130	100.0	100.0	
* 2 Acenaphthene-d10	164	6.854	6.854	0.000	70	9435	100.0	100.0	
* 3 Phenanthrene-d10	188	8.319	8.319	0.001	56	14400	100.0	100.0	
* 4 Chrysene-d12	240	11.030	11.030	0.000	50	11178	100.0	100.0	M
* 5 Perylene-d12	264	13.079	13.074	0.005	69	12679	100.0	100.0	
$ 6 2-methylnaphthalene-d10	152	5.814	5.809	0.005	67	1249	10.0	10.0	
$ 10 2-Fluorobiphenyl	172	6.190	6.190	0.000	0	1552	10.0	10.3	M
$ 7 2,4,6-Tribromophenol	330	7.637	7.628	0.009	56	178	10.0	12.5	Ma
$ 8 Fluoranthene-d10 (Surr)	212	9.506	9.502	0.004	68	1556	10.0	9.30	a
$ 9 Terphenyl-d14	244	9.900	9.896	0.004	95	1200	10.0	10.4	Ma
11 Naphthalene	128	5.189	5.189	0.000	100	2280	10.0	10.2	a
12 2-Methylnaphthalene	141	5.841	5.841	0.000	97	1274	10.0	10.1	
13 1-Methylnaphthalene	141	5.937	5.937	0.000	97	1224	10.0	9.97	
14 Acenaphthylene	152	6.717	6.717	0.000	100	1947	10.0	9.76	
15 Acenaphthene	153	6.884	6.884	0.000	96	1248	10.0	9.97	
16 Fluorene	166	7.394	7.389	0.005	93	1345	10.0	9.64	Ma
18 Phenanthrene	178	8.342	8.342	0.000	100	1982	10.0	9.82	
19 Anthracene	178	8.393	8.389	0.004	100	1949	10.0	9.76	Ma
20 Fluoranthene	202	9.522	9.522	0.000	52	1885	10.0	9.37	a
21 Pyrene	202	9.750	9.746	0.004	51	1921	10.0	8.97	a
22 Benzo[a]anthracene	228	11.017	11.012	0.004	72	1677	10.0	9.14	M
23 Chrysene	228	11.058	11.057	0.001	100	2005	10.0	10.5	M
30 Bis(2-ethylhexyl) phthalate	149	11.895	11.895	0.000	0	1754	10.0	8.60	M
24 Benzo[b]fluoranthene	252	12.470	12.470	0.000	97	1654	10.0	9.19	M
25 Benzo[k]fluoranthene	252	12.516	12.511	0.005	96	2146	10.0	10.8	M
26 Benzo[a]pyrene	252	12.987	12.983	0.004	97	1600	10.0	8.89	M
27 Indeno[1,2,3-cd]pyrene	276	14.946	14.935	0.011	96	1224	10.0	9.08	M
28 Dibenz(a,h)anthracene	278	15.000	14.984	0.016	95	1524	10.0	8.96	M
29 Benzo[g,h,i]perylene	276	15.434	15.429	0.005	95	1725	10.0	9.27	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

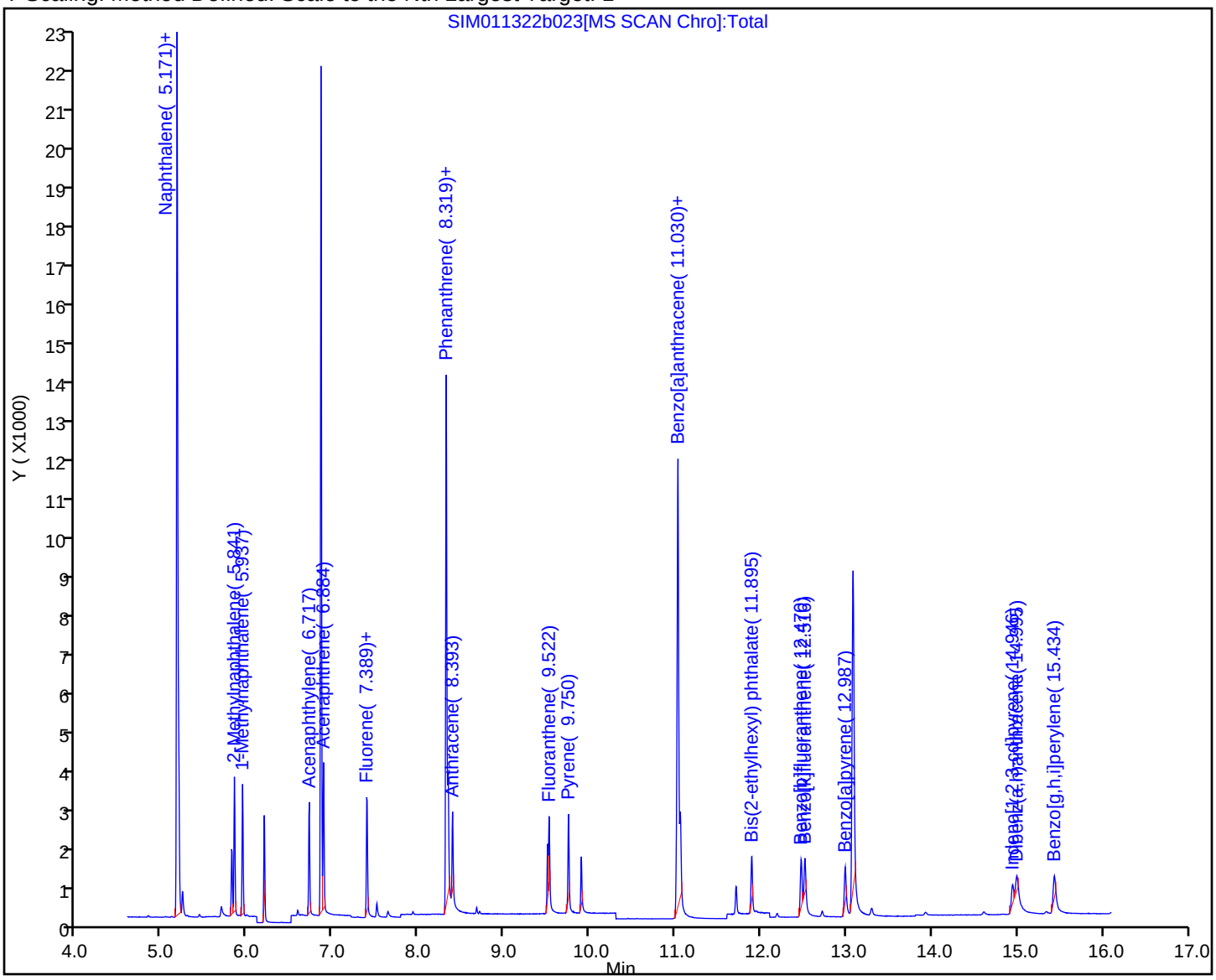
Reagents:

8270ccvl_50_00039	Amount Added: 200.00	Units: uL
8270SIM_IS_00069	Amount Added: 8.00	Units: uL

Report Date: 14-Jan-2022 15:42:19 Chrom Revision: 2.3 03-Jan-2022 17:03:12

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b023.D
Injection Date: 14-Jan-2022 04:07:30 Instrument ID: TAC050
Lims ID: std4
Client ID:
Operator ID: jcm ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle

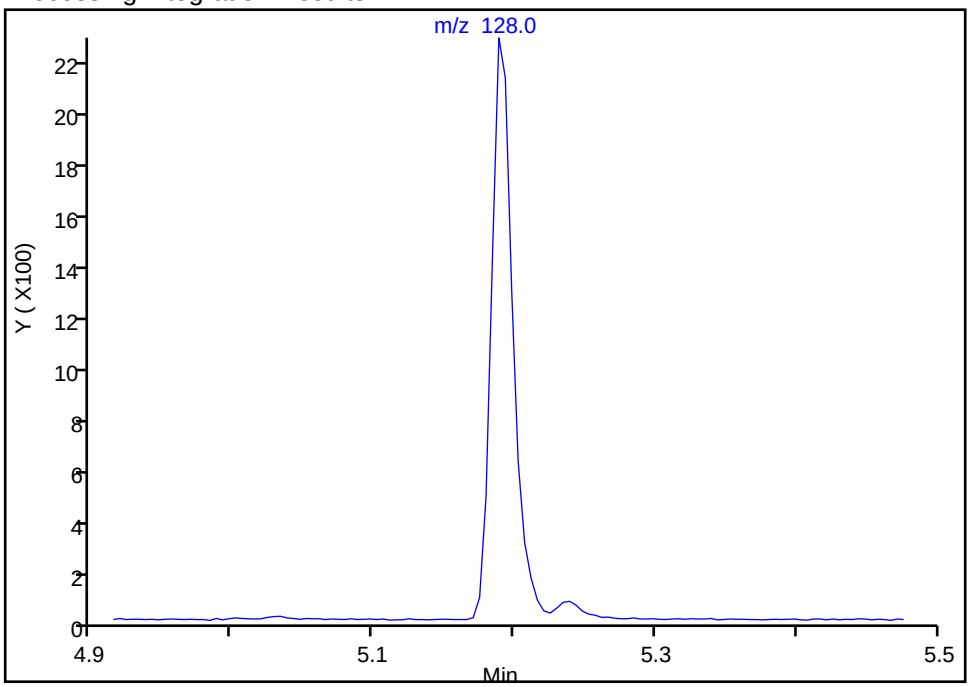
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b023.D
Injection Date: 14-Jan-2022 04:07:30 Instrument ID: TAC050
Lims ID: std4
Client ID:
Operator ID: jcm ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

11 Naphthalene, CAS: 91-20-3

Signal: 1

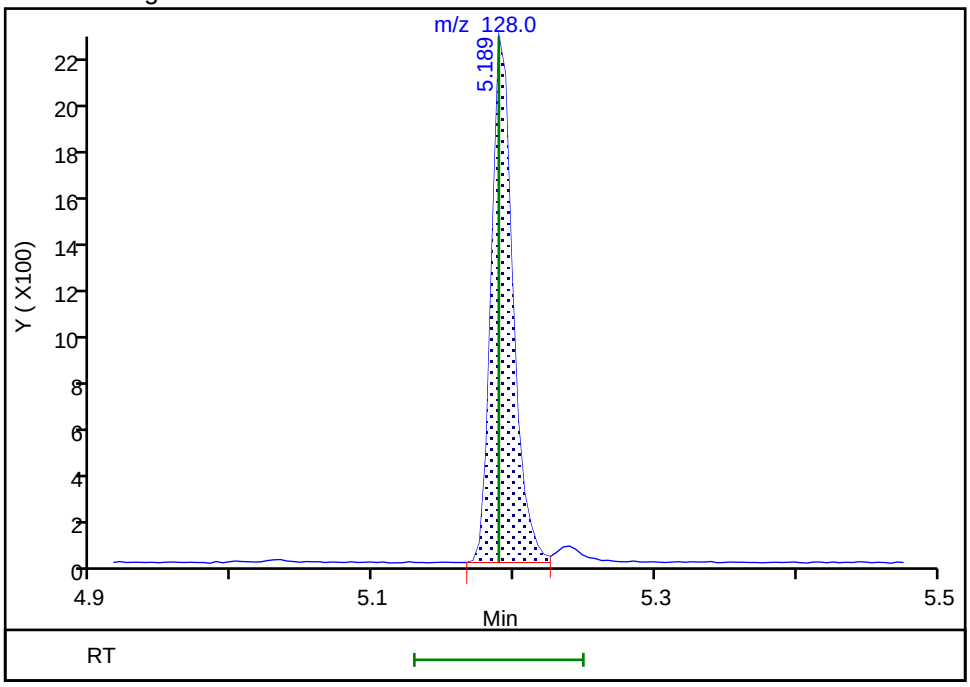
Not Detected
Expected RT: 5.19

Processing Integration Results



Manual Integration Results

RT: 5.19
Area: 2280
Amount: 10.202171
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:23:10
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Seattle

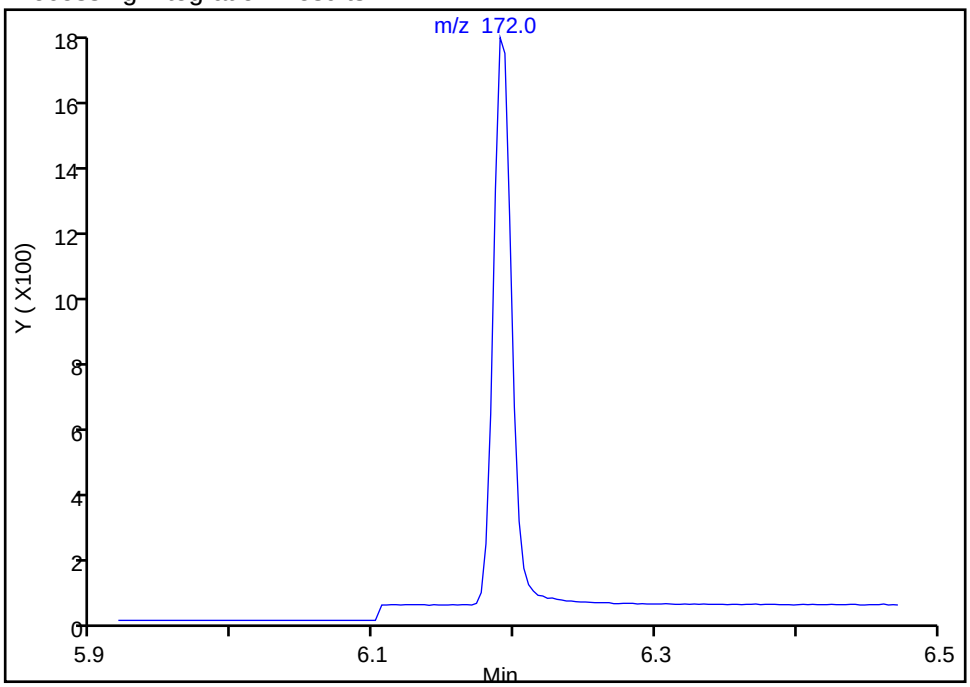
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b023.D
Injection Date: 14-Jan-2022 04:07:30 Instrument ID: TAC050
Lims ID: std4
Client ID:
Operator ID: jcm ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

$ 10 2-Fluorobiphenyl, CAS: 321-60-8

Signal: 1

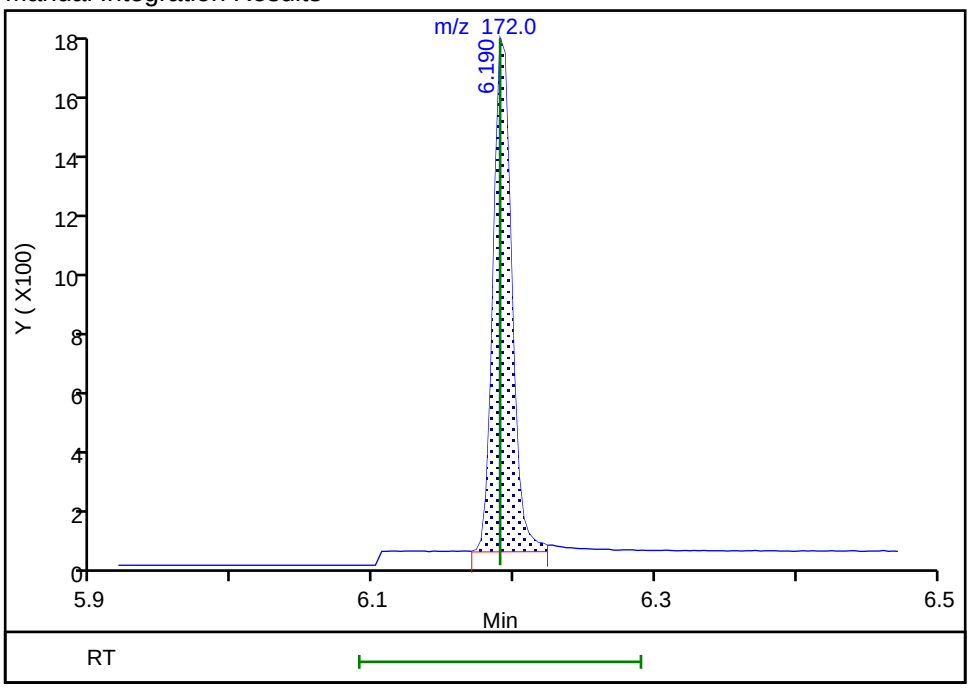
Not Detected
Expected RT: 6.19

Processing Integration Results



Manual Integration Results

RT: 6.19
Area: 1552
Amount: 10.279726
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:23:53
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

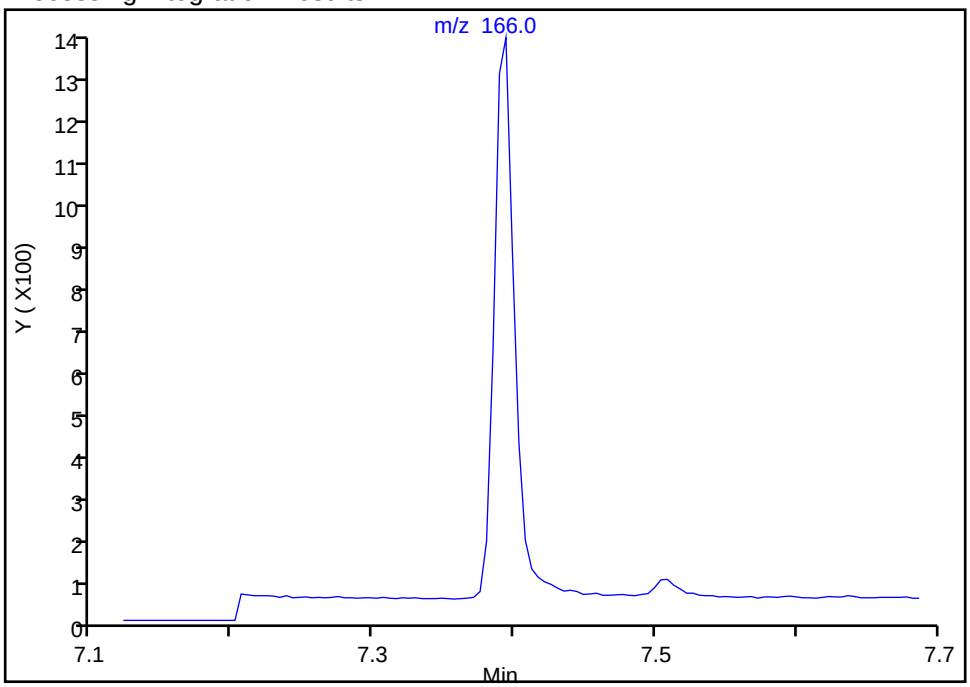
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b023.D
Injection Date: 14-Jan-2022 04:07:30 Instrument ID: TAC050
Lims ID: std4
Client ID:
Operator ID: jcm ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

16 Fluorene, CAS: 86-73-7

Signal: 1

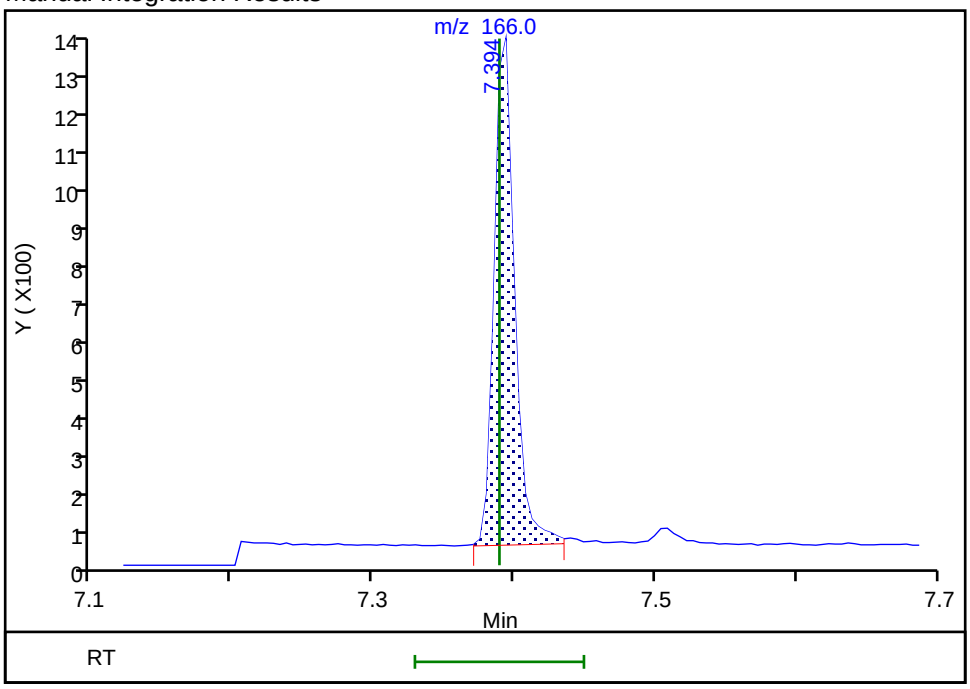
Not Detected
Expected RT: 7.39

Processing Integration Results



Manual Integration Results

RT: 7.39
Area: 1345
Amount: 9.637814
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:22:04
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Seattle

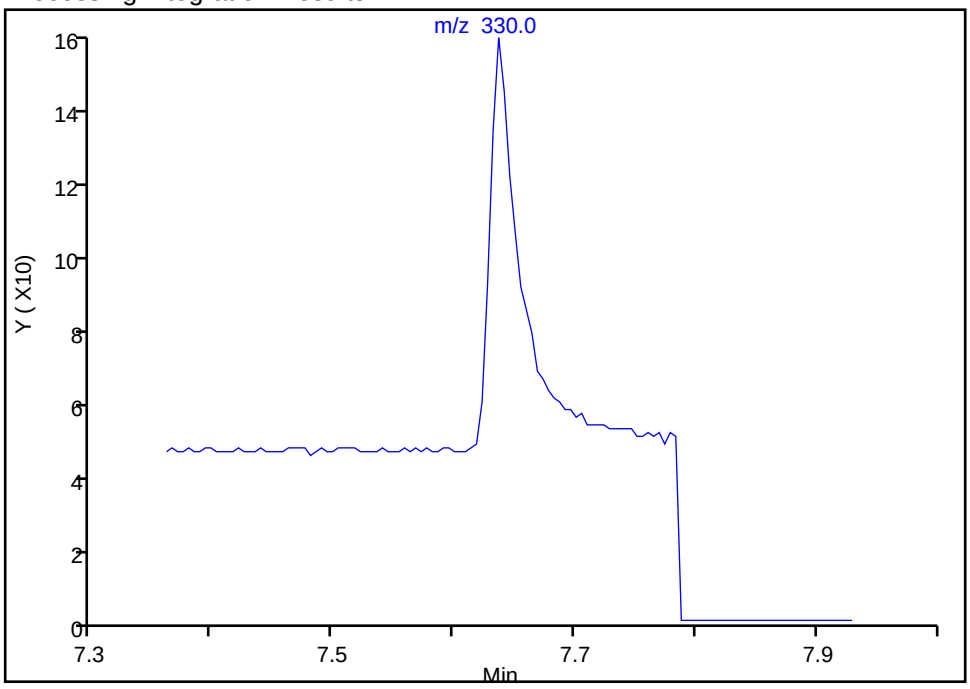
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b023.D
Injection Date: 14-Jan-2022 04:07:30 Instrument ID: TAC050
Lims ID: std4
Client ID:
Operator ID: jcm ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

$ 7 2,4,6-Tribromophenol, CAS: 118-79-6

Signal: 1

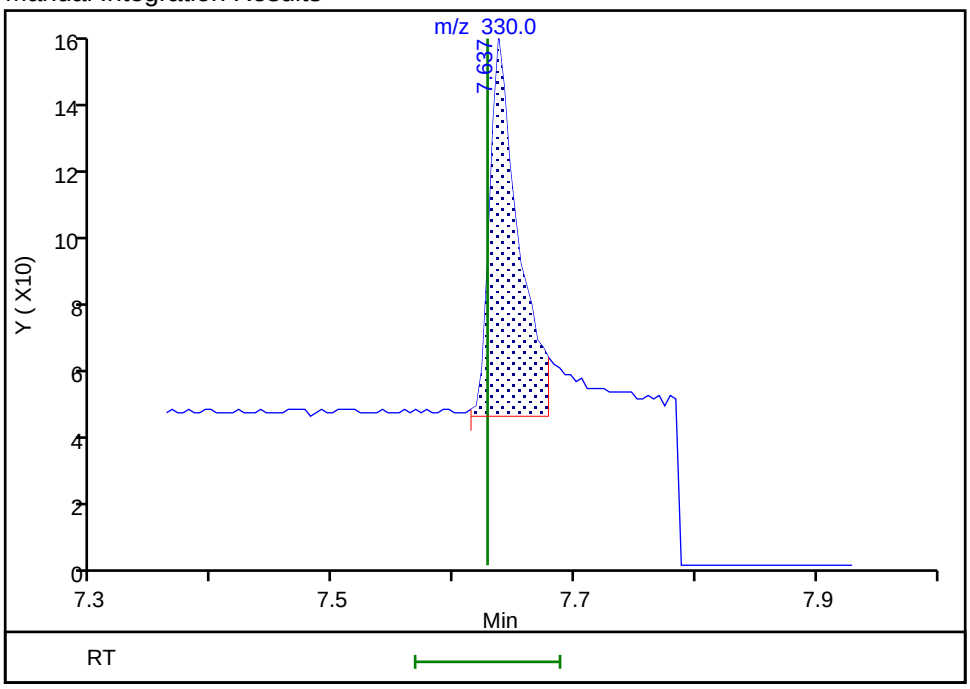
Not Detected
Expected RT: 7.63

Processing Integration Results



Manual Integration Results

RT: 7.64
Area: 178
Amount: 12.463633
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:23:32
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Seattle

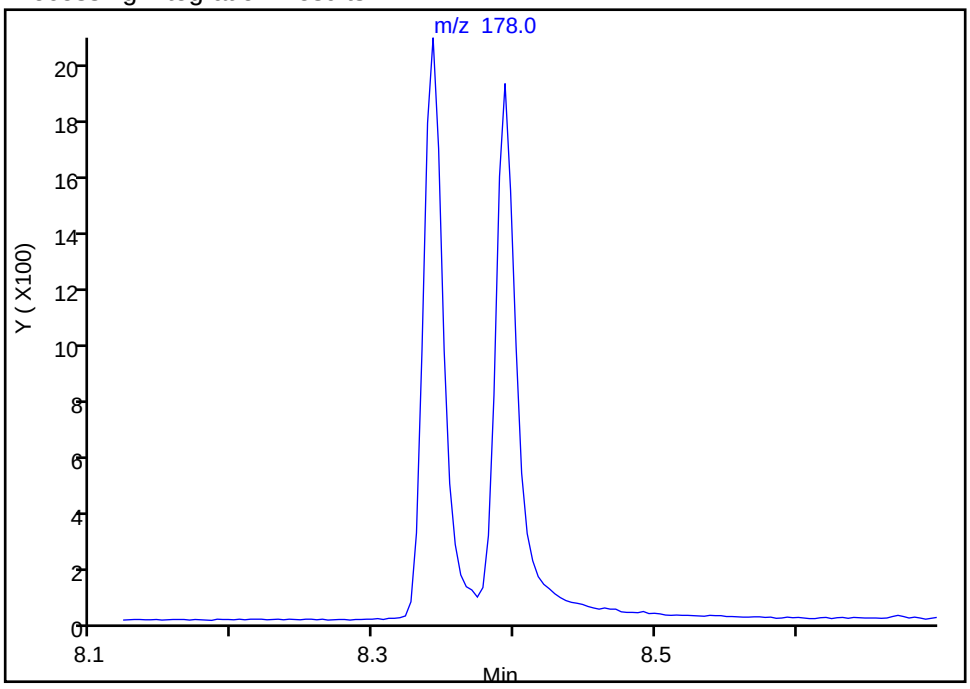
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b023.D
Injection Date: 14-Jan-2022 04:07:30 Instrument ID: TAC050
Lims ID: std4
Client ID:
Operator ID: jcm ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

19 Anthracene, CAS: 120-12-7

Signal: 1

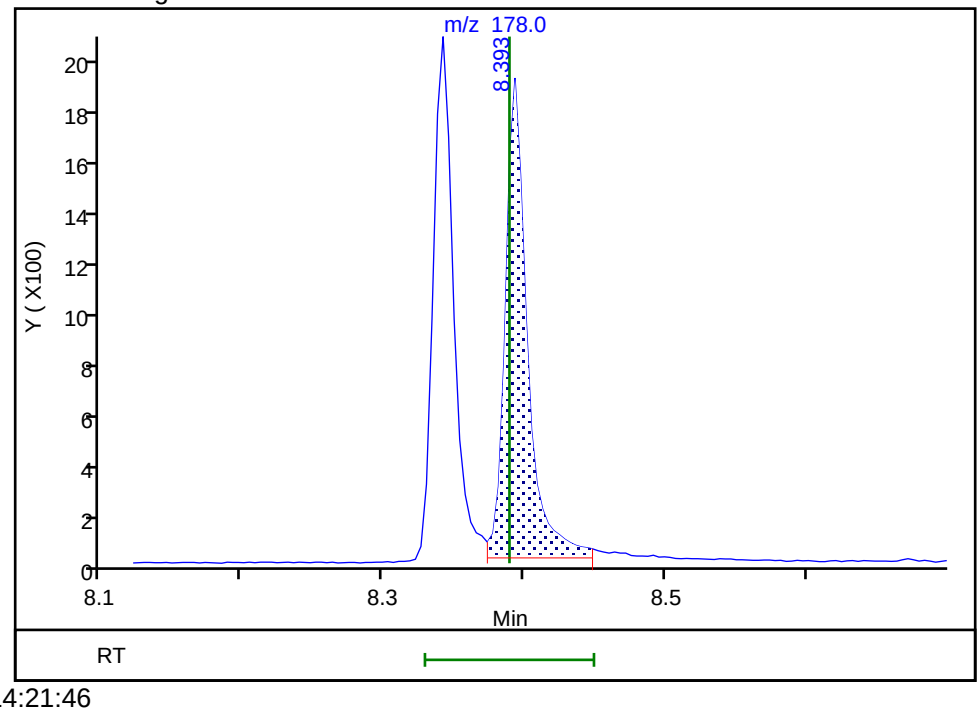
Not Detected
Expected RT: 8.39

Processing Integration Results



Manual Integration Results

RT: 8.39
Area: 1949
Amount: 9.756345
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:21:46
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Seattle

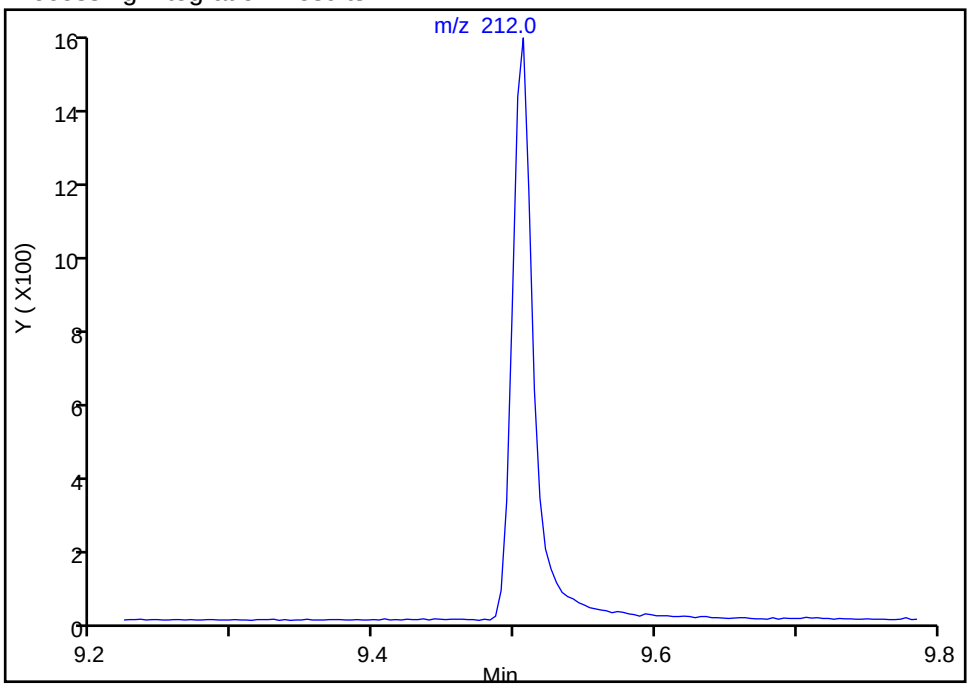
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b023.D
Injection Date: 14-Jan-2022 04:07:30 Instrument ID: TAC050
Lims ID: std4
Client ID:
Operator ID: jcm ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

$ 8 Fluoranthene-d10 (Surr), CAS: 93951-69-0

Signal: 1

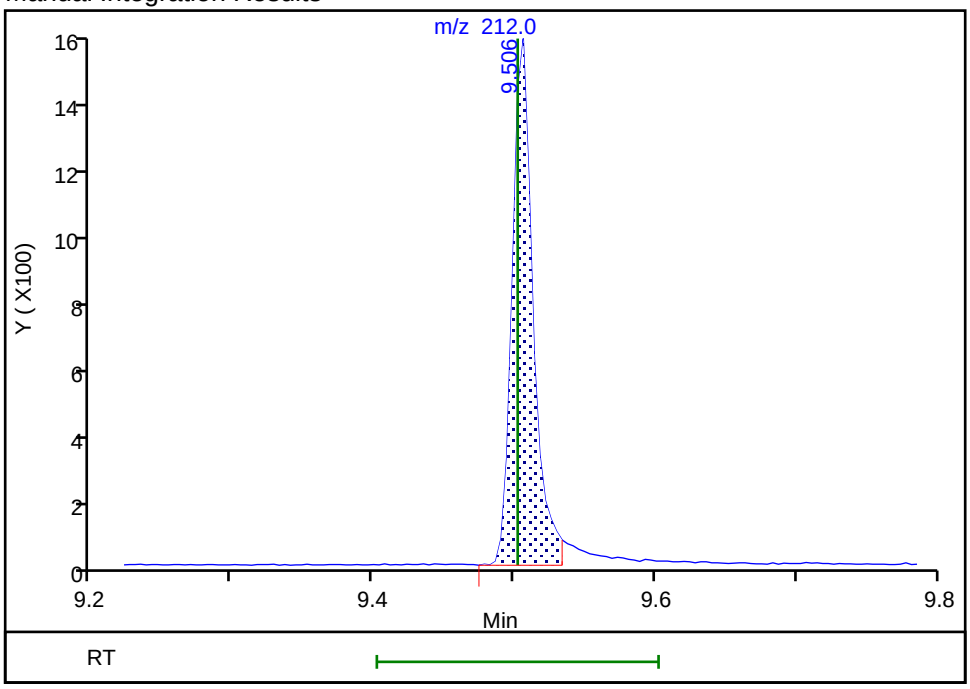
Not Detected
Expected RT: 9.50

Processing Integration Results



Manual Integration Results

RT: 9.51
Area: 1556
Amount: 9.295836
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:23:24
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Seattle

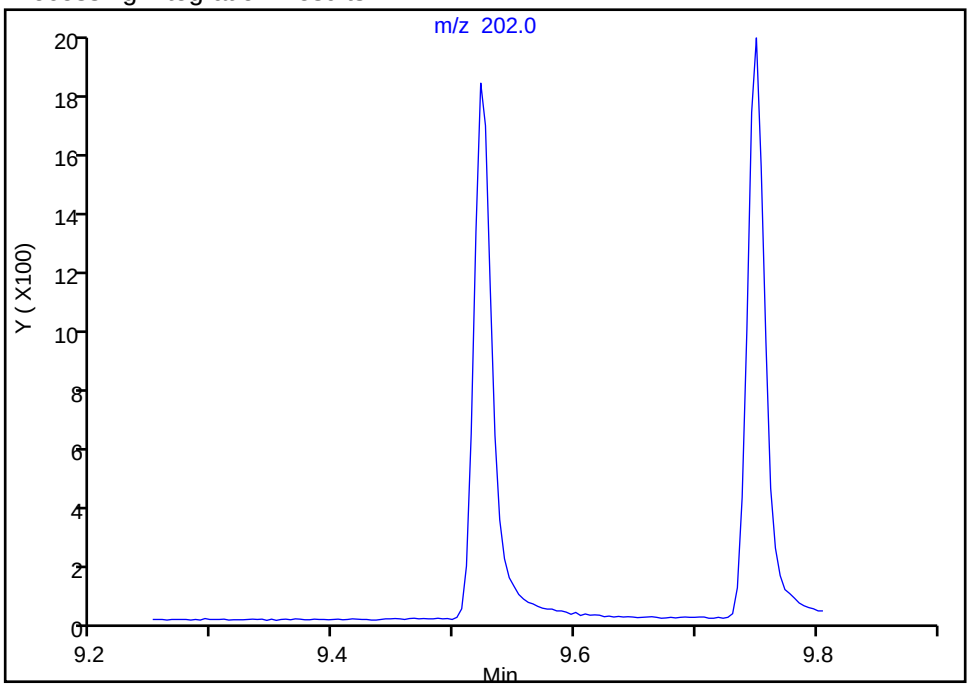
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b023.D
Injection Date: 14-Jan-2022 04:07:30 Instrument ID: TAC050
Lims ID: std4
Client ID:
Operator ID: jcm ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

20 Fluoranthene, CAS: 206-44-0

Signal: 1

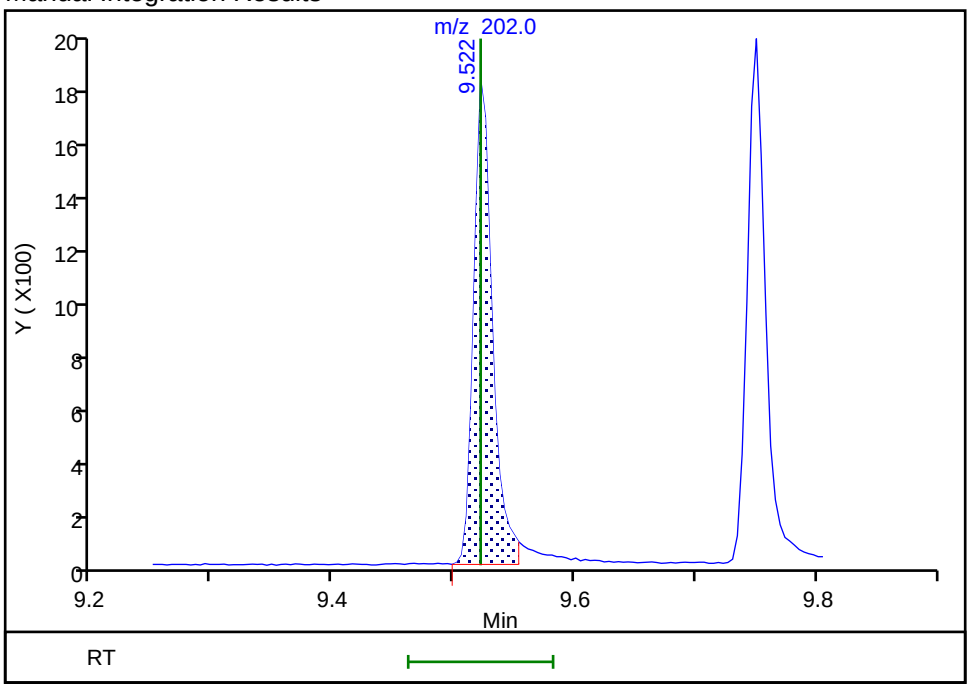
Not Detected
Expected RT: 9.52

Processing Integration Results



Manual Integration Results

RT: 9.52
Area: 1885
Amount: 9.371987
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:21:31
Audit Action: Assigned Compound ID Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

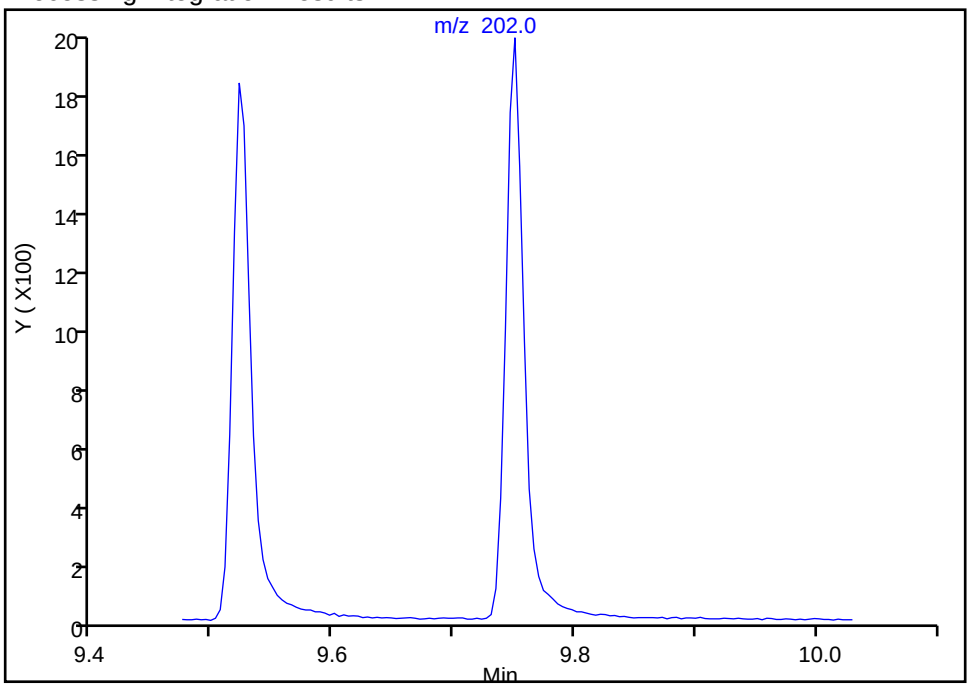
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b023.D
Injection Date: 14-Jan-2022 04:07:30 Instrument ID: TAC050
Lims ID: std4
Client ID:
Operator ID: jcm ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

21 Pyrene, CAS: 129-00-0

Signal: 1

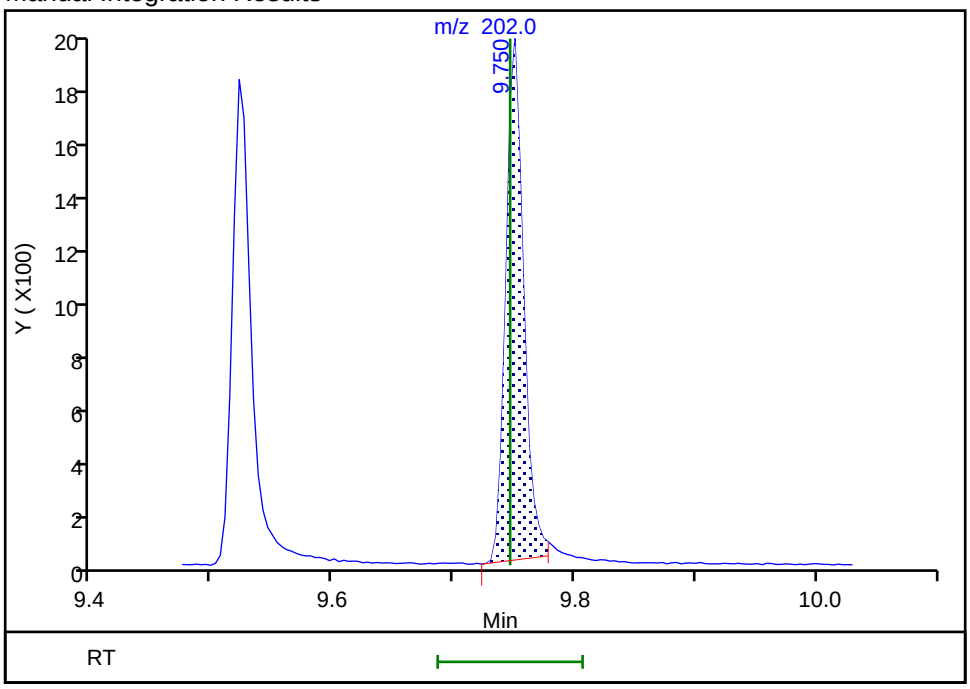
Not Detected
Expected RT: 9.75

Processing Integration Results



Manual Integration Results

RT: 9.75
Area: 1921
Amount: 8.966867
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:21:24
Audit Action: Assigned Compound ID Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

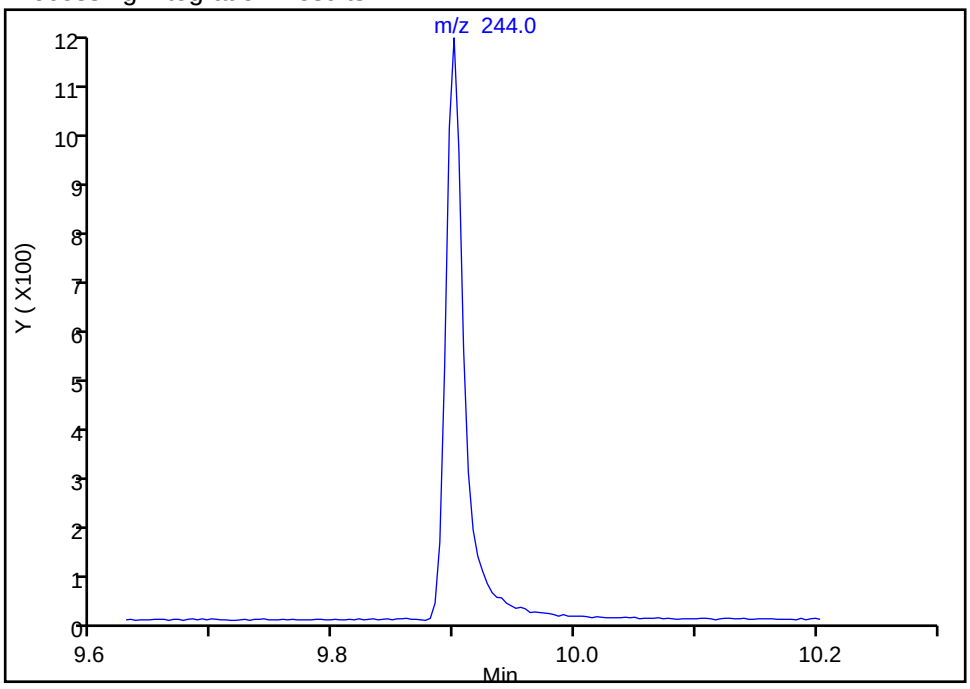
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b023.D
Injection Date: 14-Jan-2022 04:07:30 Instrument ID: TAC050
Lims ID: std4
Client ID:
Operator ID: jcm ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

$ 9 Terphenyl-d14, CAS: 1718-51-0

Signal: 1

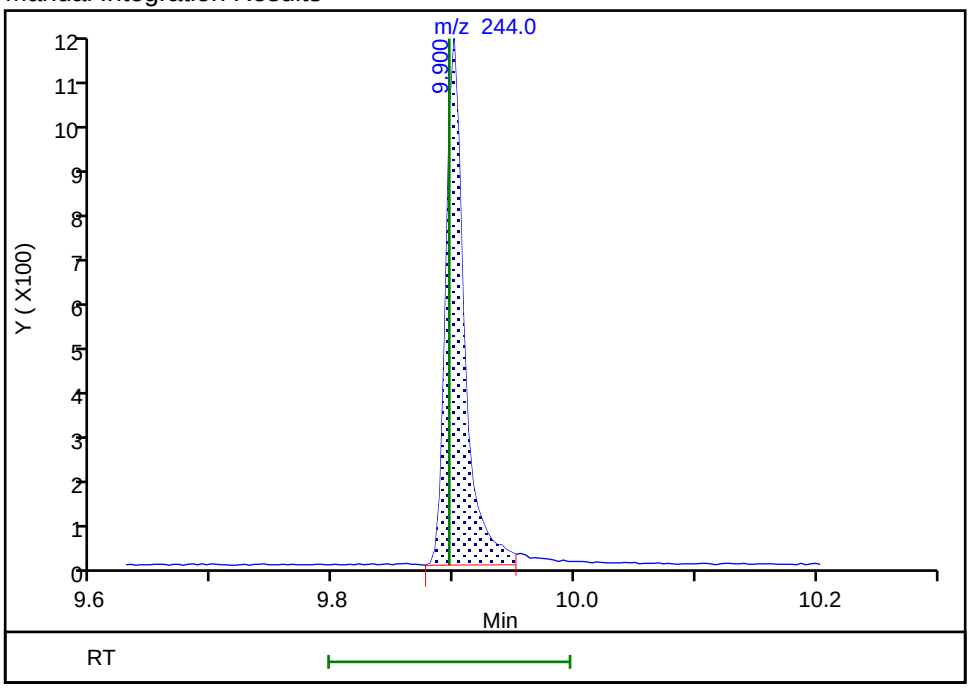
Not Detected
Expected RT: 9.90

Processing Integration Results



Manual Integration Results

RT: 9.90
Area: 1200
Amount: 10.397832
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:23:21
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Seattle

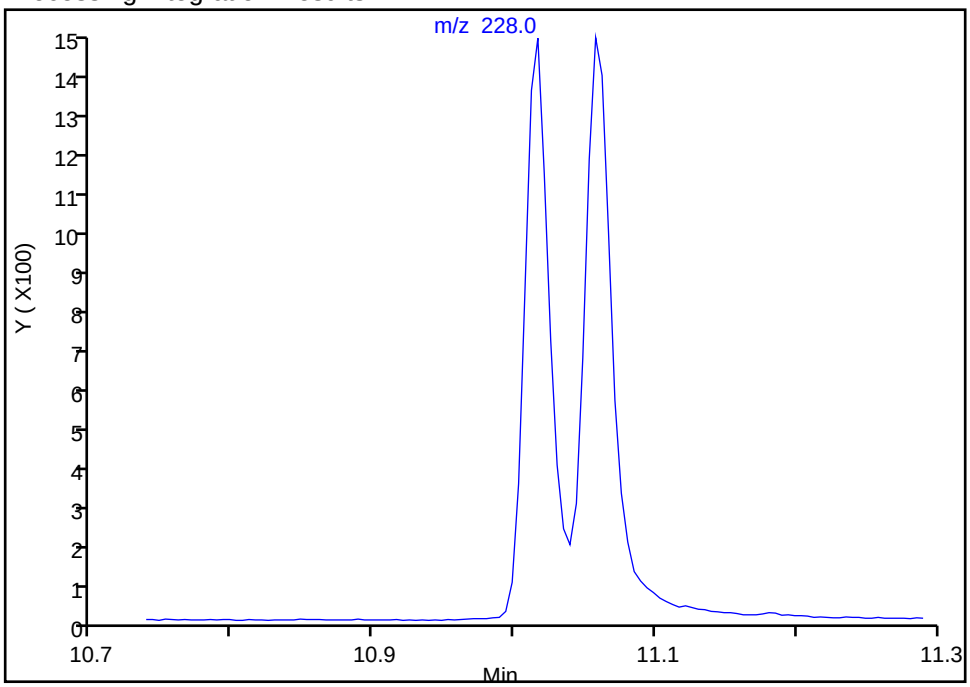
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b023.D				
Injection Date:	14-Jan-2022 04:07:30	Instrument ID:	TAC050		
Lims ID:	std4				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

22 Benzo[a]anthracene, CAS: 56-55-3

Signal: 1

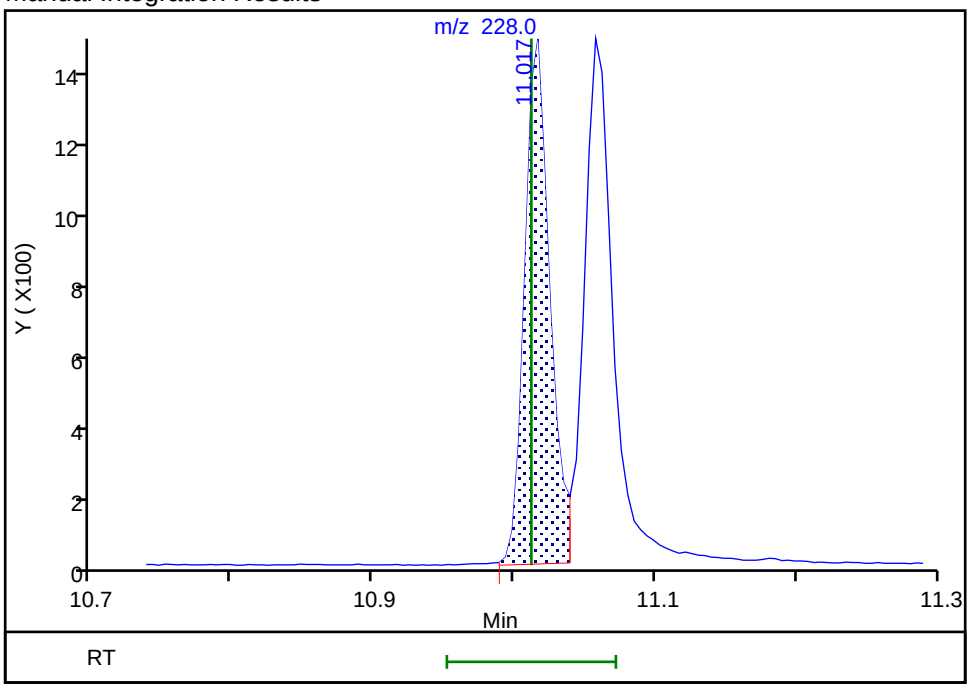
Not Detected
Expected RT: 11.01

Processing Integration Results



Manual Integration Results

RT: 11.02
Area: 1677
Amount: 9.138805
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:21:20
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

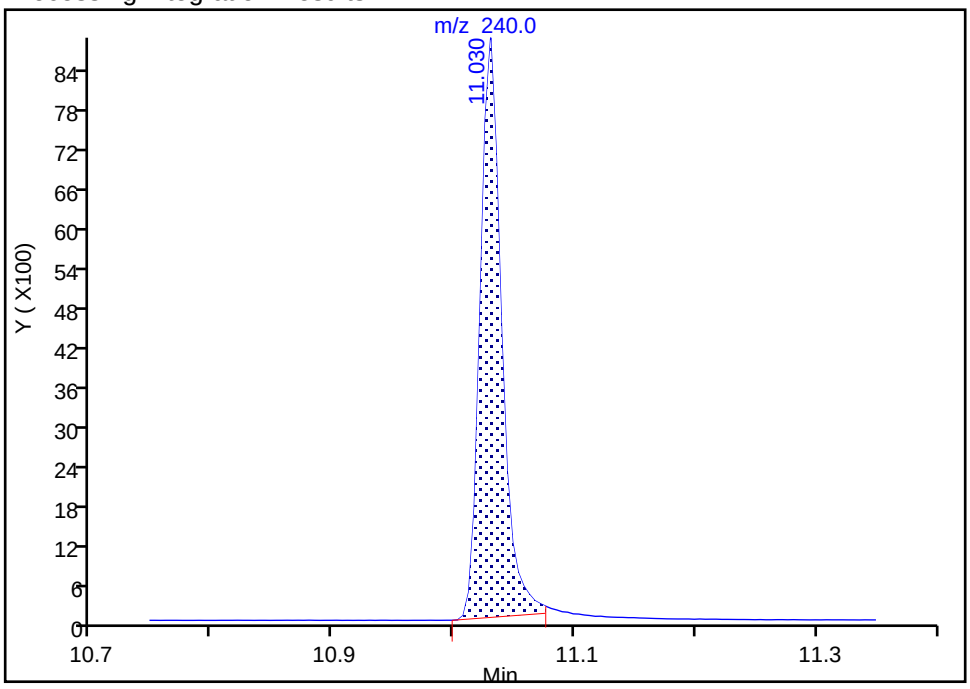
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b023.D
Injection Date: 14-Jan-2022 04:07:30 Instrument ID: TAC050
Lims ID: std4
Client ID:
Operator ID: jcm ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

* 4 Chrysene-d12, CAS: 1719-03-5

Signal: 1

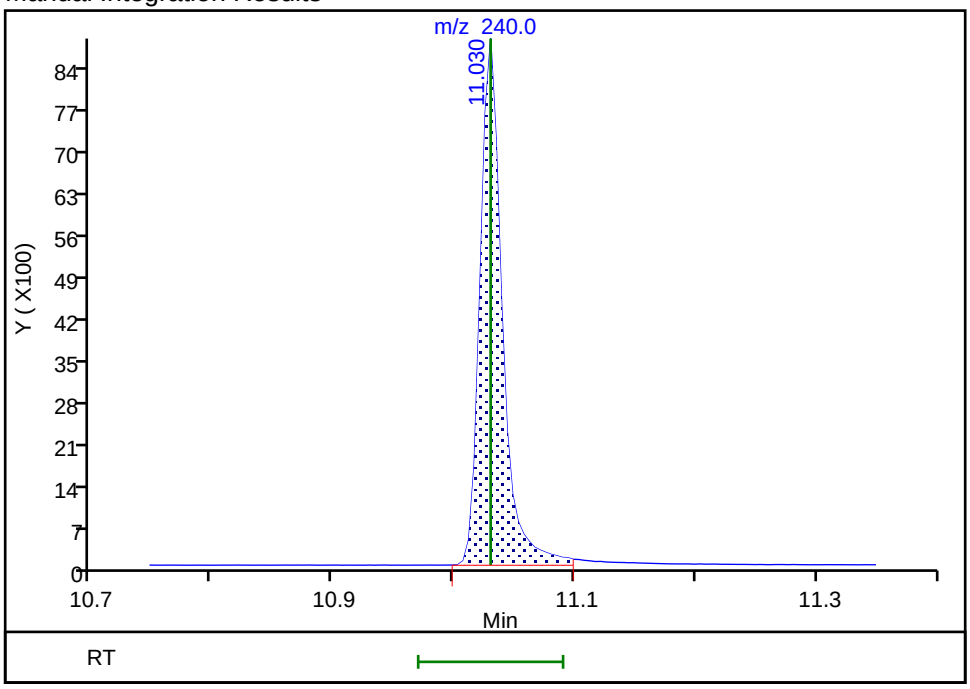
Processing Integration Results

RT: 11.03
Area: 10718
Amount: 100.0000
Amount Units: ug/L



Manual Integration Results

RT: 11.03
Area: 11178
Amount: 100.0000
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:36:05
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Seattle

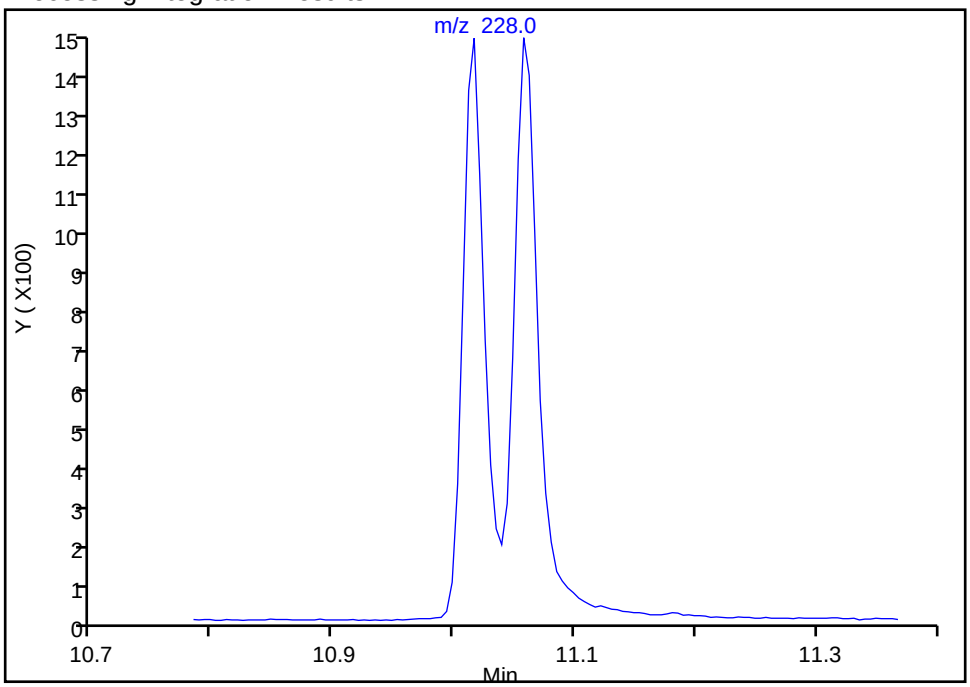
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b023.D
Injection Date: 14-Jan-2022 04:07:30 Instrument ID: TAC050
Lims ID: std4
Client ID:
Operator ID: jcm ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

23 Chrysene, CAS: 218-01-9

Signal: 1

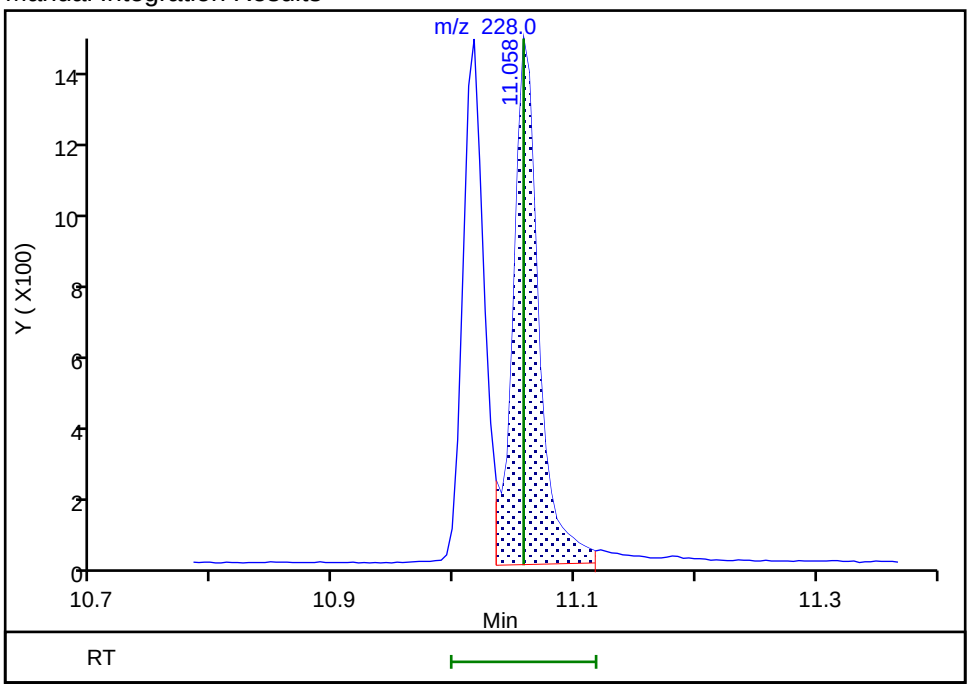
Not Detected
Expected RT: 11.06

Processing Integration Results



Manual Integration Results

RT: 11.06
Area: 2005
Amount: 10.490072
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:21:14
Audit Action: Manually Integrated Audit Reason: Assign Peak

Eurofins Seattle

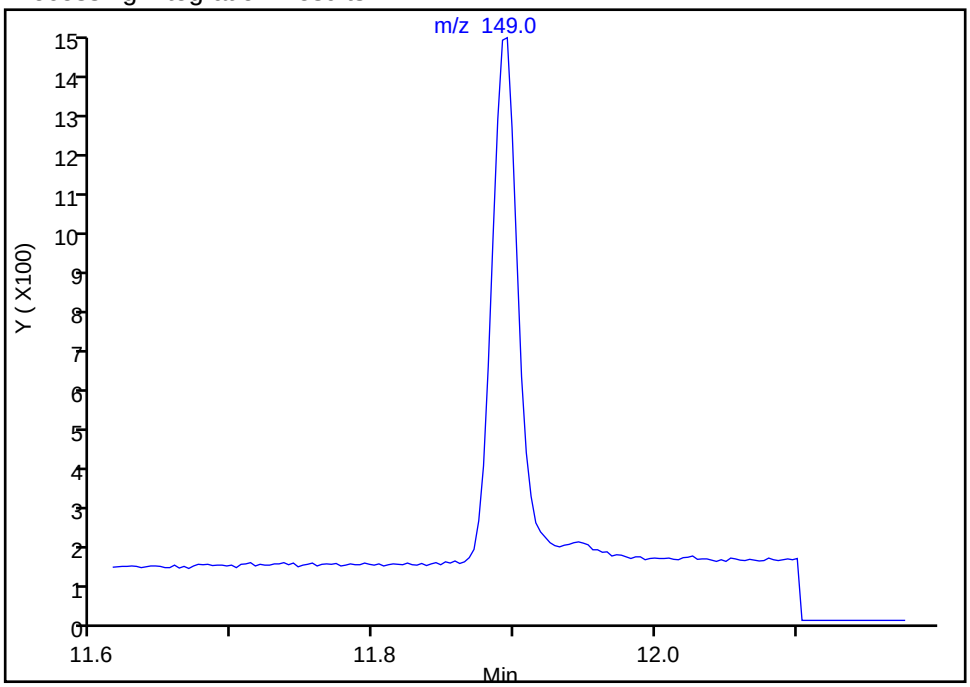
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b023.D				
Injection Date:	14-Jan-2022 04:07:30	Instrument ID:	TAC050		
Lims ID:	std4				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

30 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7

Signal: 1

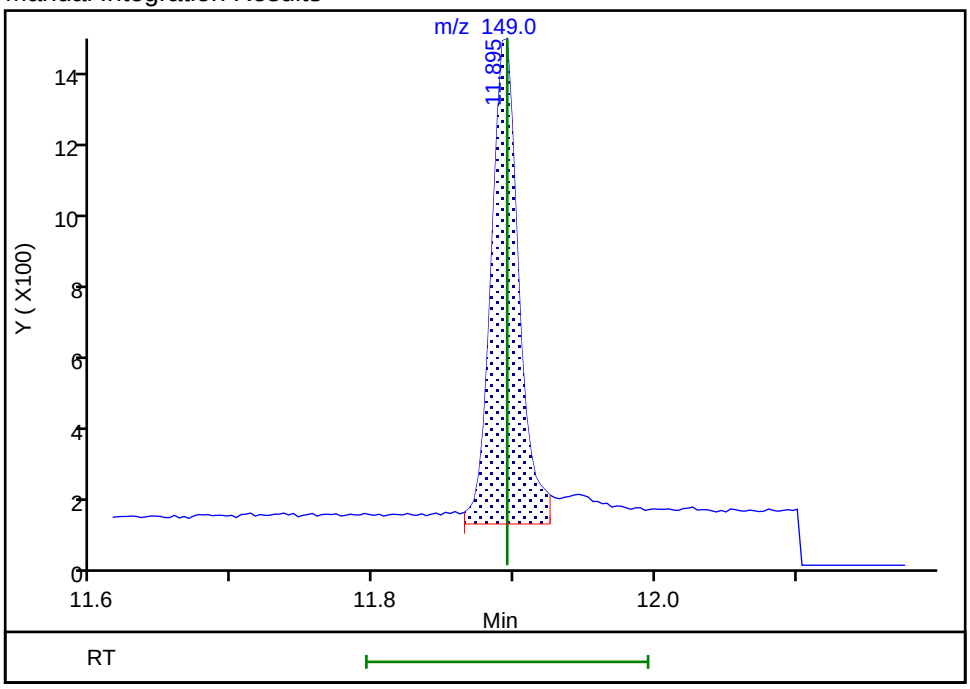
Not Detected
Expected RT: 11.89

Processing Integration Results



Manual Integration Results

RT: 11.89
Area: 1754
Amount: 8.596257
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:21:09
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

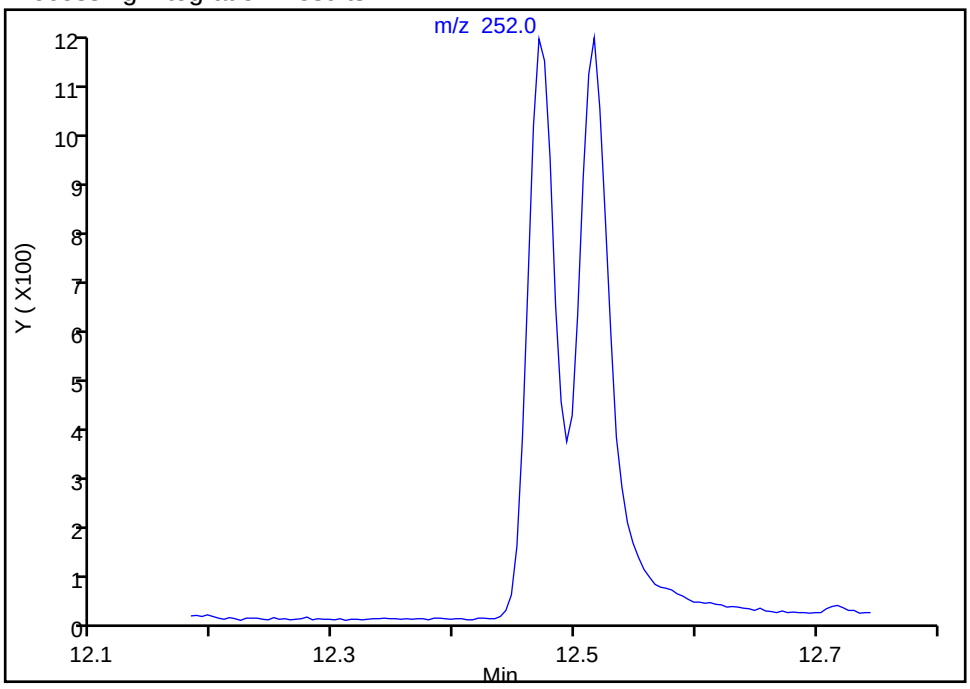
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b023.D				
Injection Date:	14-Jan-2022 04:07:30	Instrument ID:	TAC050		
Lims ID:	std4				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

24 Benzo[b]fluoranthene, CAS: 205-99-2

Signal: 1

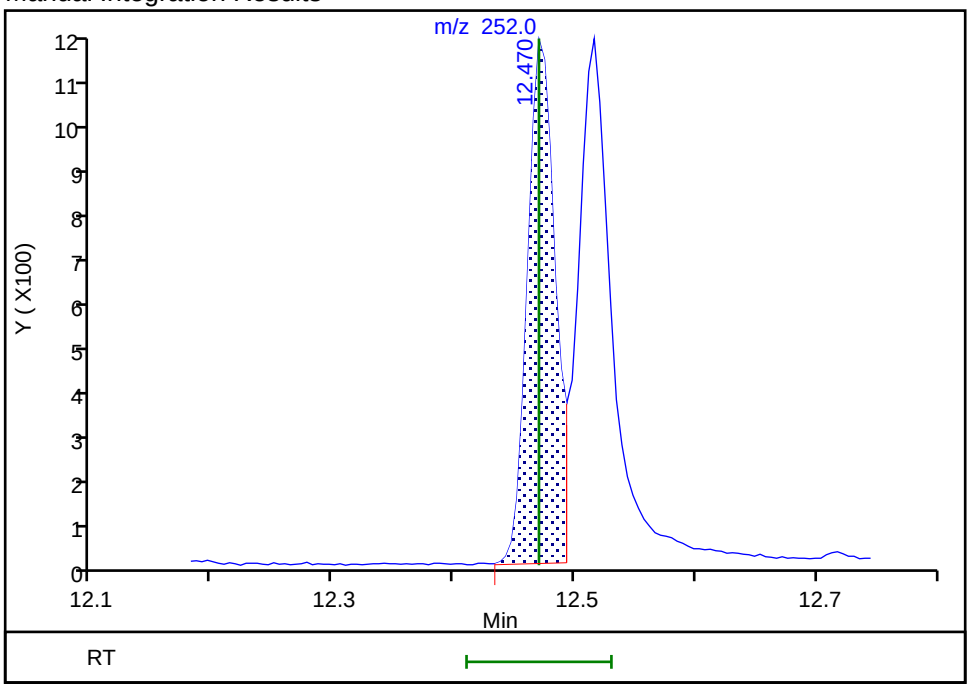
Not Detected
Expected RT: 12.47

Processing Integration Results



Manual Integration Results

RT: 12.47
Area: 1654
Amount: 9.192187
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:21:06
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

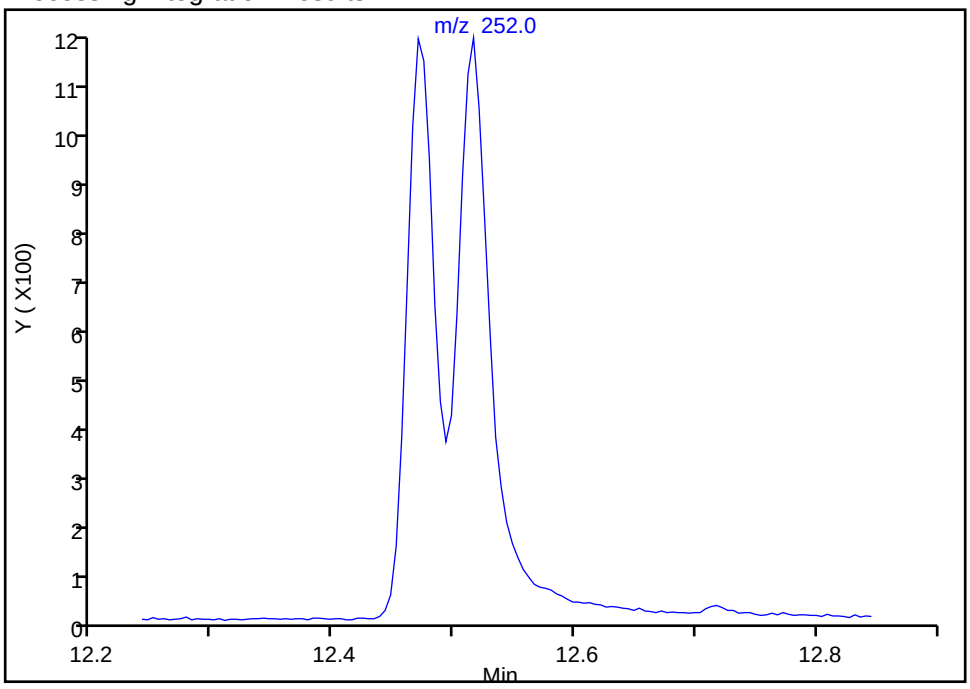
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b023.D				
Injection Date:	14-Jan-2022 04:07:30	Instrument ID:	TAC050		
Lims ID:	std4				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

25 Benzo[k]fluoranthene, CAS: 207-08-9

Signal: 1

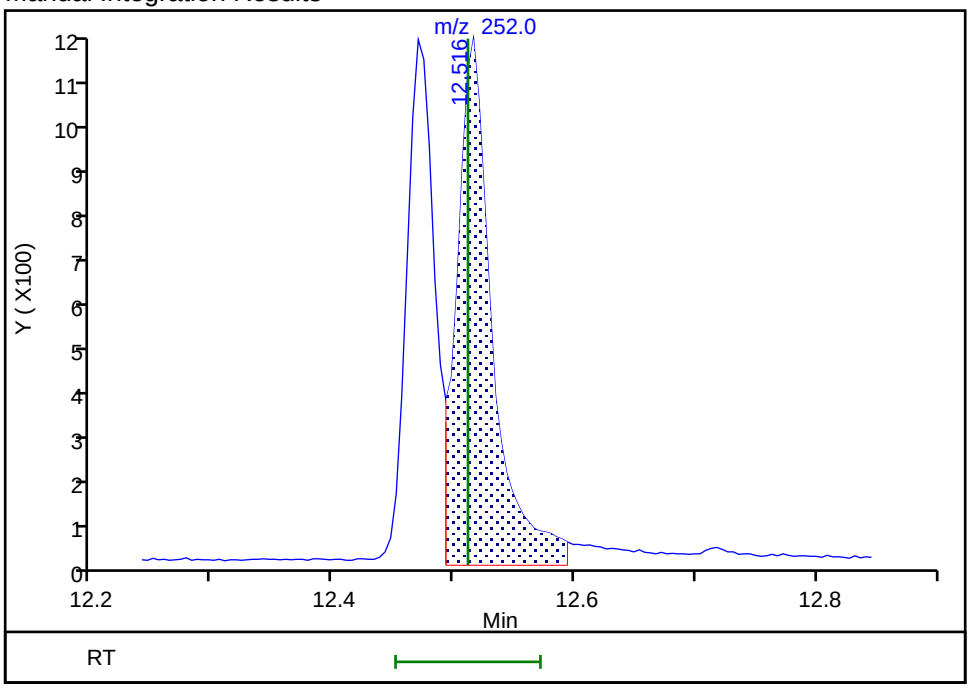
Not Detected
Expected RT: 12.51

Processing Integration Results



Manual Integration Results

RT: 12.52
Area: 2146
Amount: 10.796595
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:21:01
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

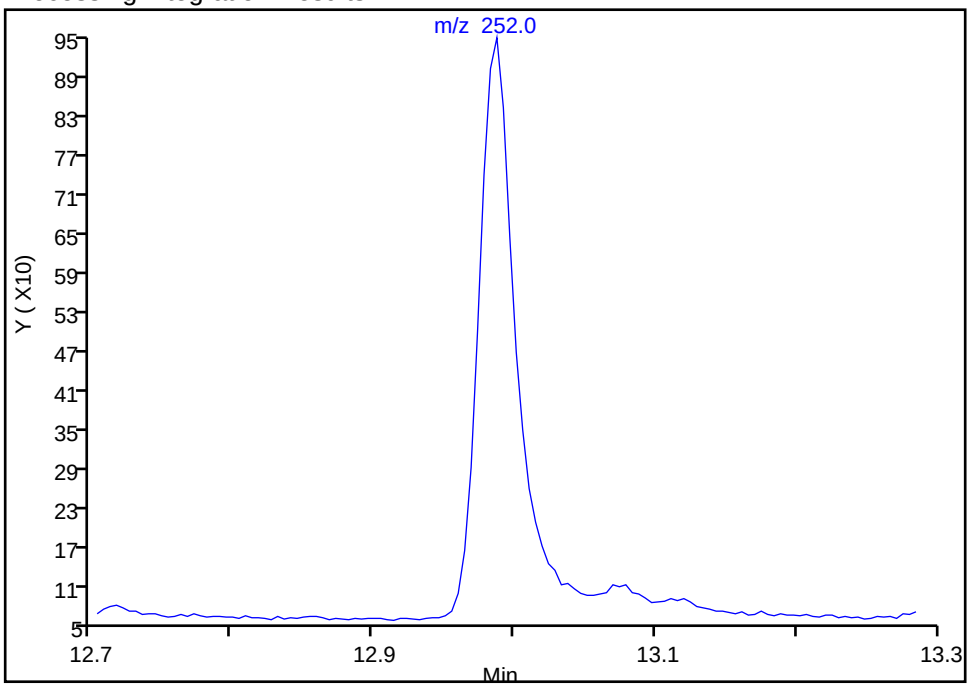
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b023.D				
Injection Date:	14-Jan-2022 04:07:30	Instrument ID:	TAC050		
Lims ID:	std4				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

26 Benzo[a]pyrene, CAS: 50-32-8

Signal: 1

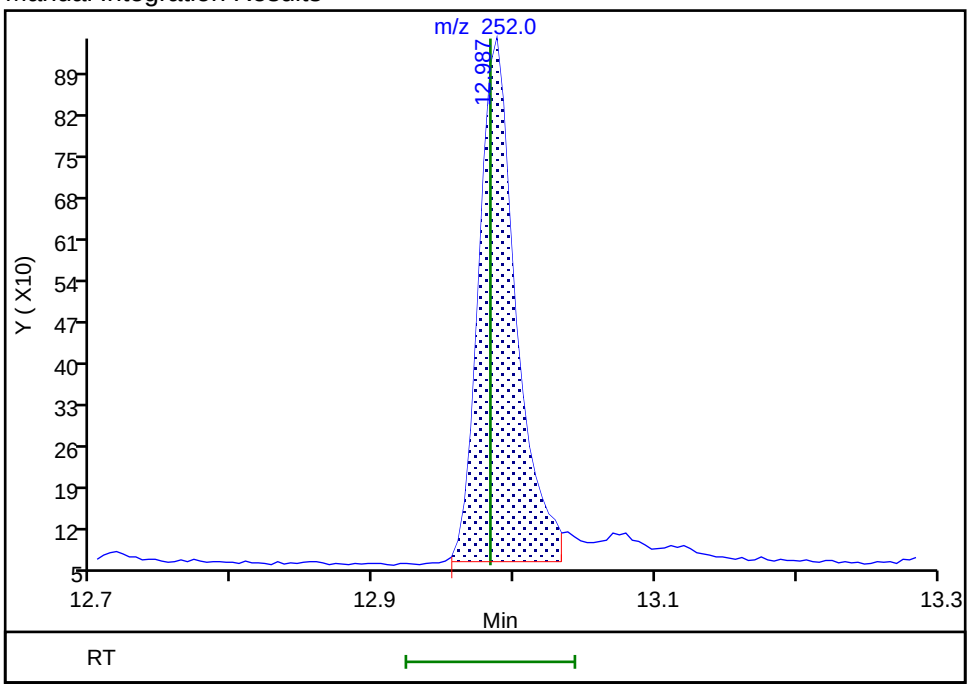
Not Detected
Expected RT: 12.98

Processing Integration Results



Manual Integration Results

RT: 12.99
Area: 1600
Amount: 8.885143
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:19:58
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

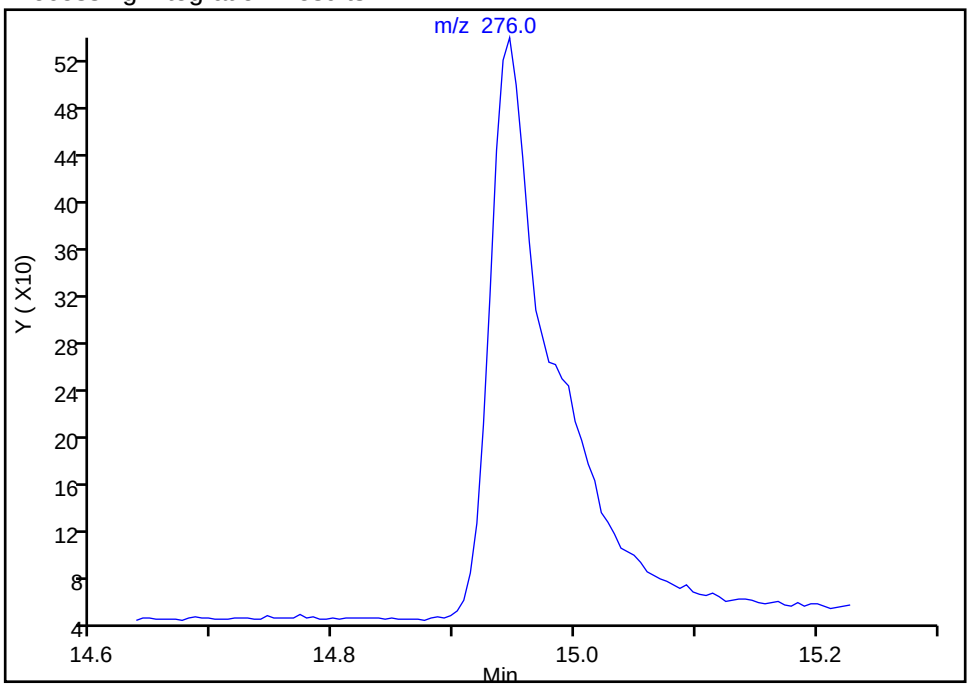
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b023.D
Injection Date: 14-Jan-2022 04:07:30 Instrument ID: TAC050
Lims ID: std4
Client ID:
Operator ID: jcm ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

27 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

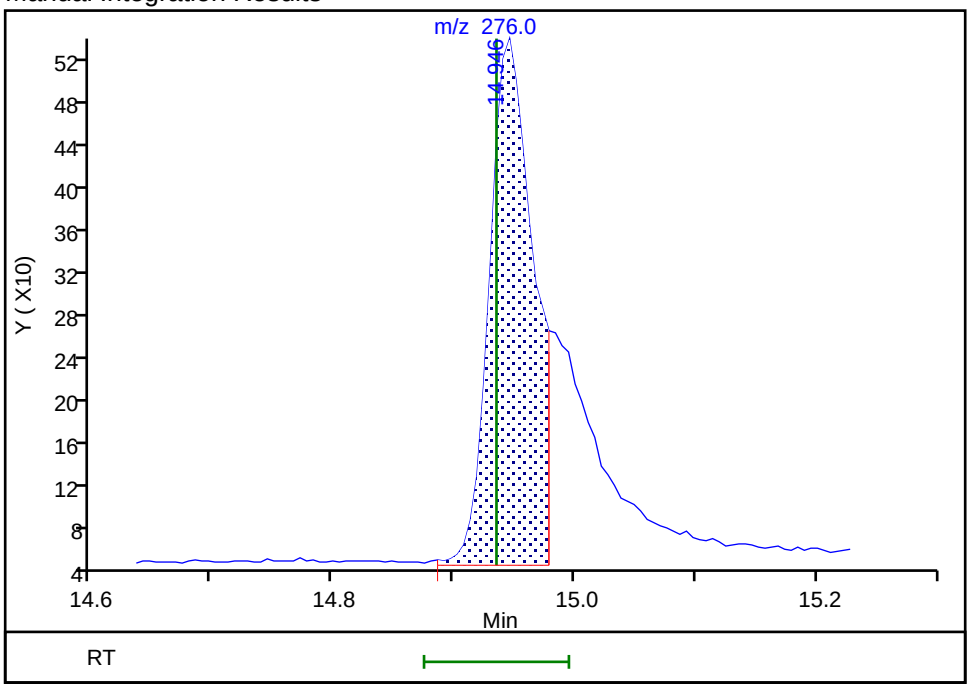
Not Detected
Expected RT: 14.93

Processing Integration Results



Manual Integration Results

RT: 14.95
Area: 1224
Amount: 9.076876
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:19:51
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

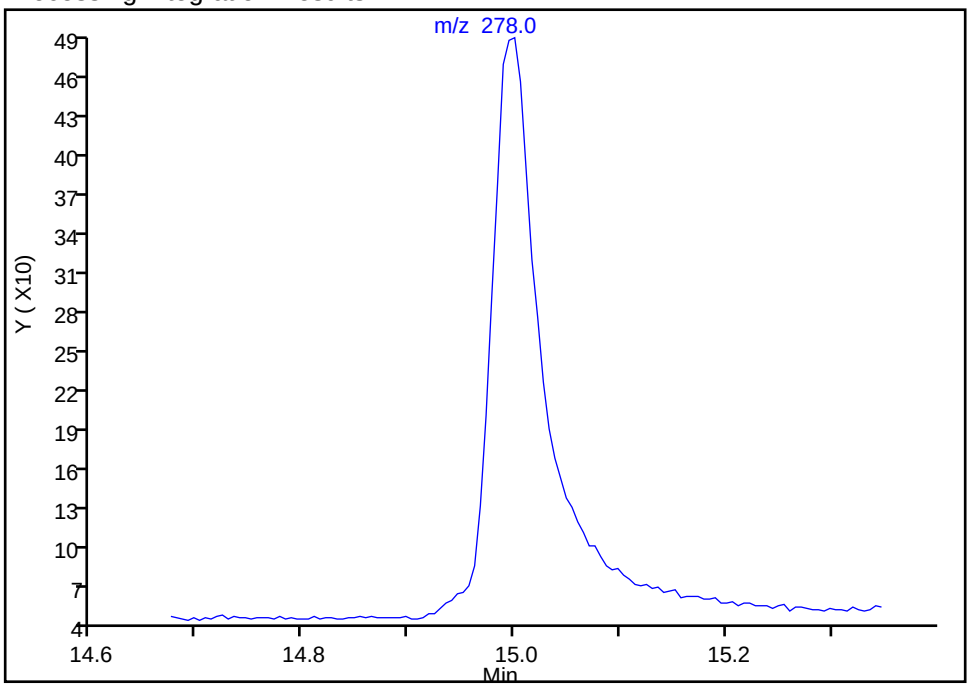
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b023.D
Injection Date: 14-Jan-2022 04:07:30 Instrument ID: TAC050
Lims ID: std4
Client ID:
Operator ID: jcm ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

28 Dibenz(a,h)anthracene, CAS: 53-70-3

Signal: 1

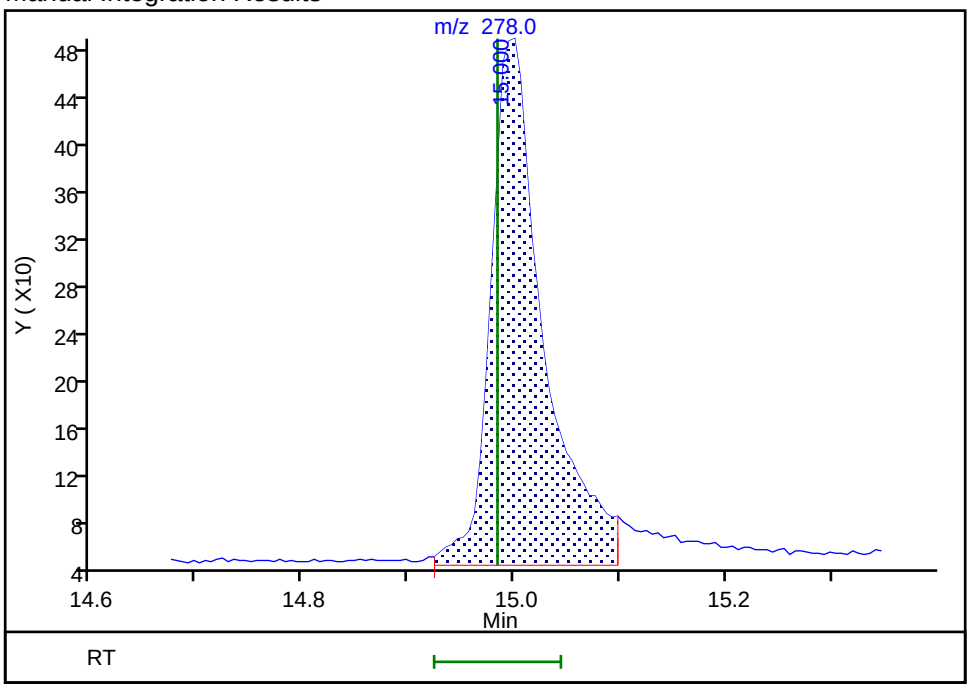
Not Detected
Expected RT: 14.98

Processing Integration Results



Manual Integration Results

RT: 15.00
Area: 1524
Amount: 8.962254
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:19:46
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

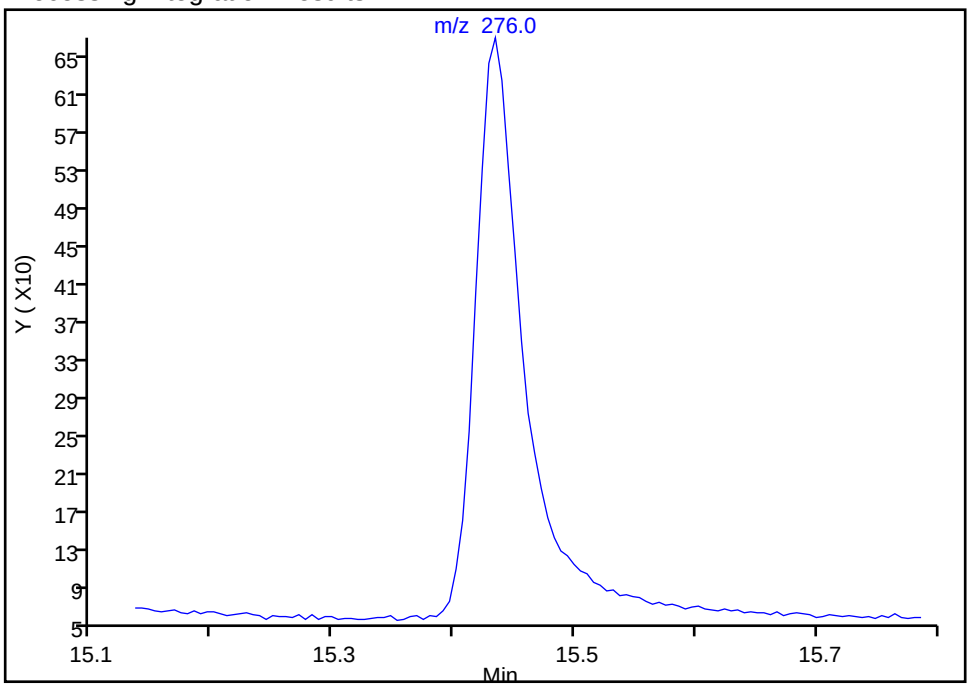
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b023.D				
Injection Date:	14-Jan-2022 04:07:30	Instrument ID:	TAC050		
Lims ID:	std4				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

29 Benzo[g,h,i]perylene, CAS: 191-24-2

Signal: 1

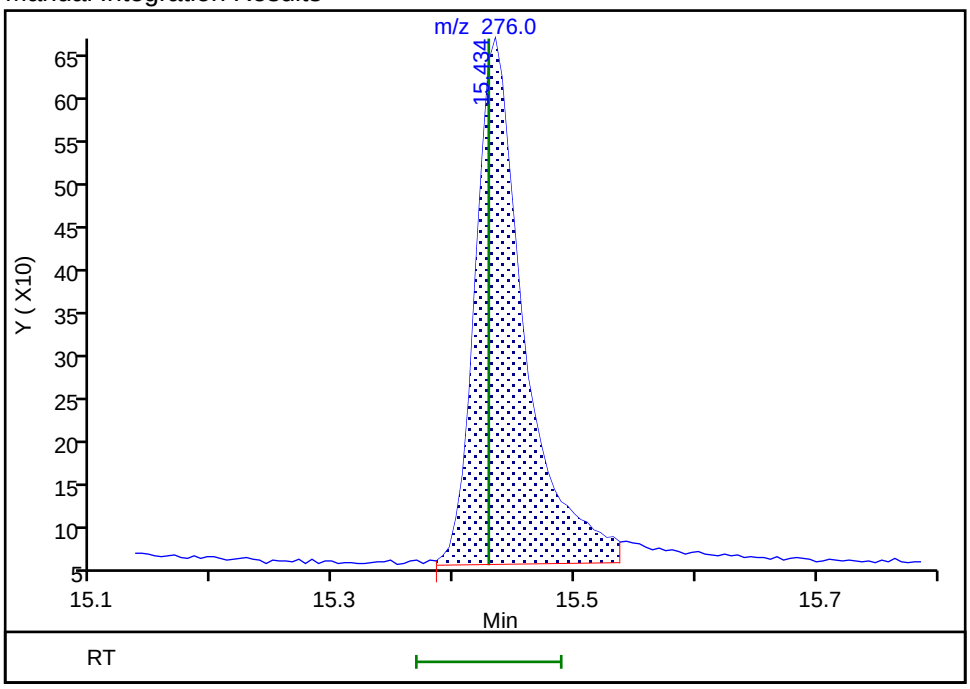
Not Detected
Expected RT: 15.43

Processing Integration Results



Manual Integration Results

RT: 15.43
Area: 1725
Amount: 9.273472
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:19:41
Audit Action: Manually Integrated Audit Reason: Assign Peak

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b024.D
Lims ID: std3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 14-Jan-2022 04:26:30 ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 3
Operator ID: jcm Instrument ID: TAC050
Sublist: chrom-TAC050_SIM_PAH*sub9

Method: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\TAC050_SIM_PAH.m
Limit Group: 8270D_SIM QSM 5.0
Last Update: 14-Jan-2022 15:42:20 Calib Date: 14-Jan-2022 05:04:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D

Column 1 : Det: MS SCAN
Process Host: CTX1628

First Level Reviewer: limmere Date: 14-Jan-2022 10:18:47

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 Naphthalene-d8	136	5.171	5.171	0.000	90	22788	100.0	100.0	
* 2 Acenaphthene-d10	164	6.854	6.854	0.000	69	10125	100.0	100.0	
* 3 Phenanthrene-d10	188	8.319	8.319	0.001	56	15677	100.0	100.0	
* 4 Chrysene-d12	240	11.030	11.030	0.000	49	12288	100.0	100.0	
* 5 Perylene-d12	264	13.079	13.074	0.005	69	14073	100.0	100.0	
$ 6 2-methylnaphthalene-d10	152	5.809	5.809	0.000	67	674	5.00	5.00	M
$ 10 2-Fluorobiphenyl	172	6.193	6.190	0.003	0	854	5.00	5.27	M
$ 7 2,4,6-Tribromophenol	330	7.637	7.628	0.009	58	113	5.00	9.58	M
$ 8 Fluoranthene-d10 (Surr)	212	9.506	9.502	0.004	68	1038	5.00	5.24	M
$ 9 Terphenyl-d14	244	9.900	9.896	0.004	94	782	5.00	6.22	M
11 Naphthalene	128	5.189	5.189	0.000	100	1258	5.00	5.22	M
12 2-Methylnaphthalene	141	5.841	5.841	0.000	96	702	5.00	5.14	M
13 1-Methylnaphthalene	141	5.937	5.937	0.000	99	671	5.00	5.07	M
14 Acenaphthylene	152	6.717	6.717	0.000	100	1063	5.00	4.97	M
15 Acenaphthene	153	6.884	6.884	0.000	95	682	5.00	5.08	
16 Fluorene	166	7.394	7.389	0.005	96	762	5.00	5.09	M
18 Phenanthrene	178	8.342	8.342	0.000	100	1265	5.00	5.29	M
19 Anthracene	178	8.393	8.389	0.004	98	1238	5.00	5.31	M
20 Fluoranthene	202	9.522	9.522	0.000	52	1256	5.00	5.28	M
21 Pyrene	202	9.750	9.746	0.004	29	1375	5.00	5.47	M
22 Benzo[a]anthracene	228	11.012	11.012	0.000	89	1118	5.00	5.03	M
23 Chrysene	228	11.058	11.057	0.001	99	1221	5.00	5.15	M
30 Bis(2-ethylhexyl) phthalate	149	11.891	11.895	-0.004	0	1083	5.00	4.52	M
24 Benzo[b]fluoranthene	252	12.470	12.470	0.000	98	1076	5.00	5.05	M
25 Benzo[k]fluoranthene	252	12.516	12.511	0.005	95	1238	5.00	5.23	M
26 Benzo[a]pyrene	252	12.983	12.983	0.000	97	1088	5.00	5.13	M
27 Indeno[1,2,3-cd]pyrene	276	14.940	14.935	0.005	96	804	5.00	5.46	M
28 Dibenz(a,h)anthracene	278	14.995	14.984	0.011	95	1020	5.00	5.16	M
29 Benzo[g,h,i]perylene	276	15.434	15.429	0.005	91	1138	5.00	5.22	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

8270ccvl_50_00039	Amount Added: 100.00	Units: uL
8270SIM_IS_00069	Amount Added: 9.00	Units: uL

Report Date: 14-Jan-2022 15:42:21 Chrom Revision: 2.3 03-Jan-2022 17:03:12

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b024.D

Injection Date: 14-Jan-2022 04:26:30 Instrument ID: TAC050

Lims ID: std3

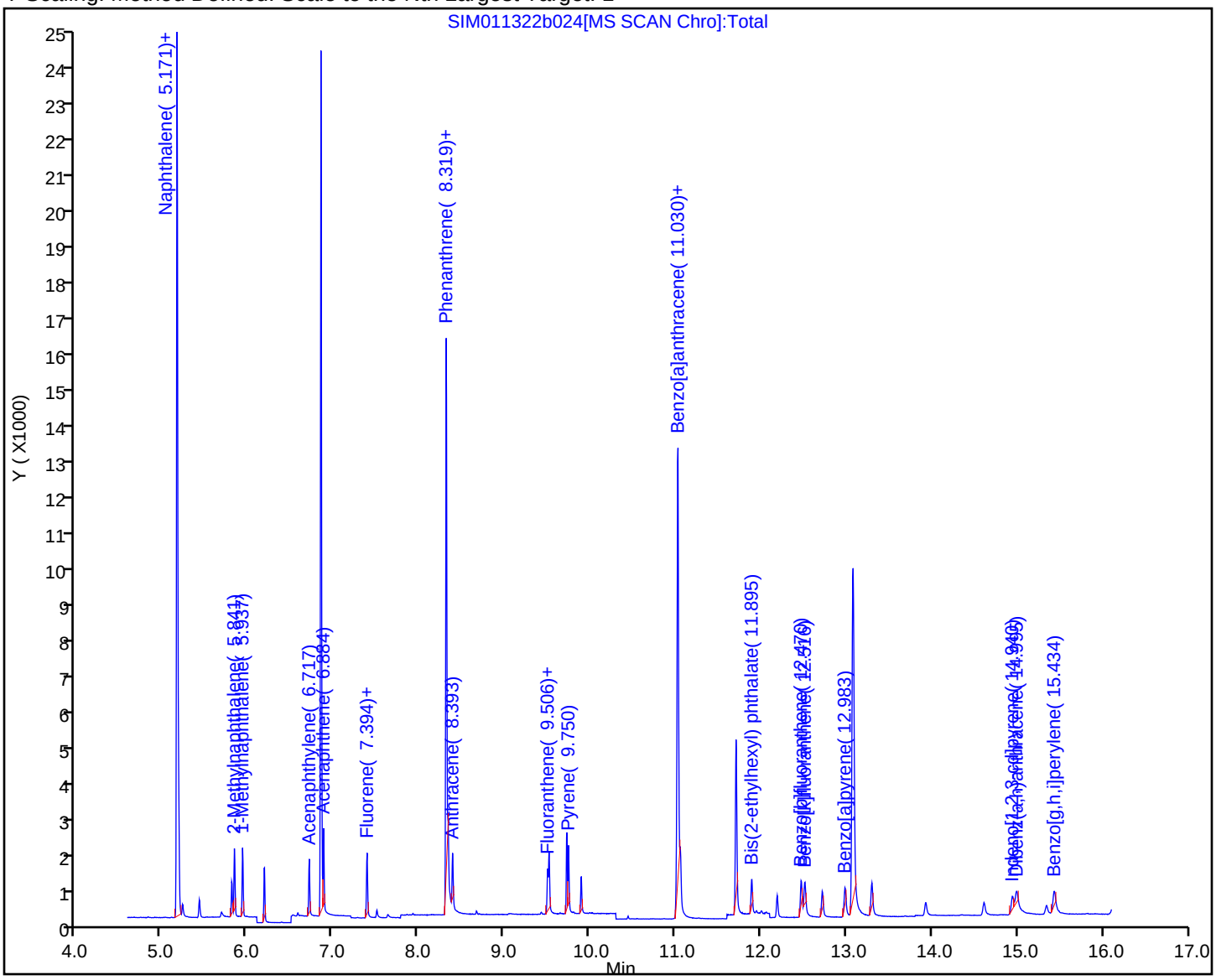
Client ID:

Operator ID: jcm ALS Bottle#: 14 Worklist Smp#: 14

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Seattle

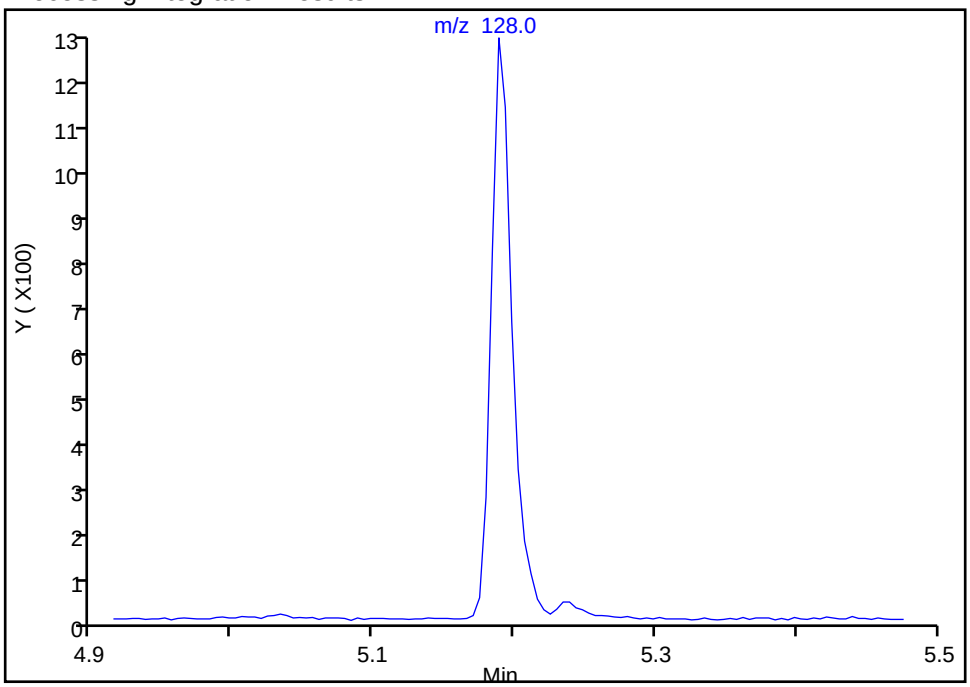
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b024.D				
Injection Date:	14-Jan-2022 04:26:30	Instrument ID:	TAC050		
Lims ID:	std3				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

11 Naphthalene, CAS: 91-20-3

Signal: 1

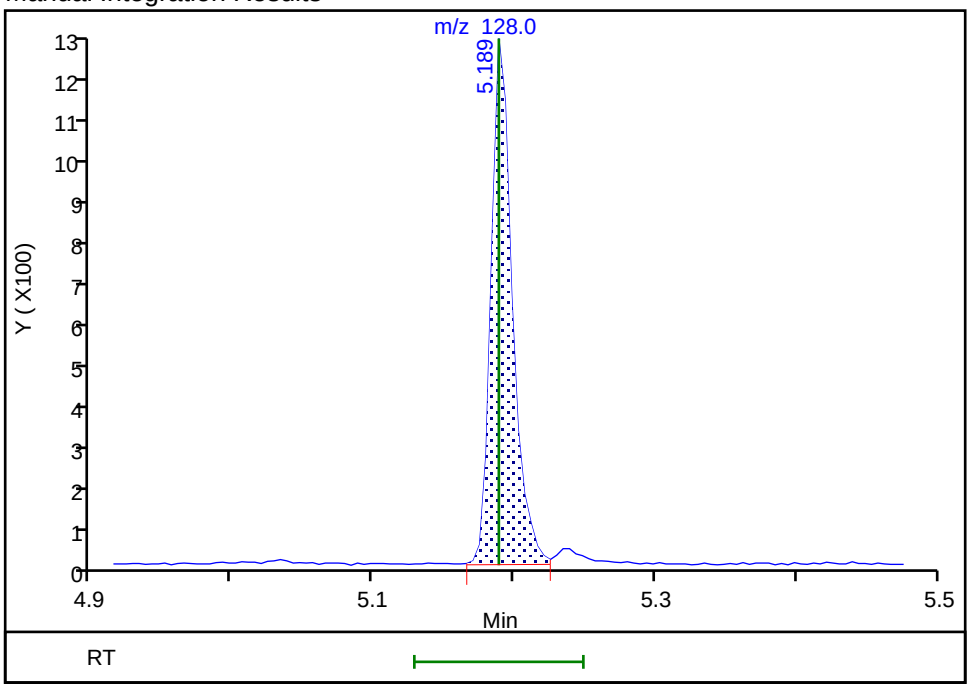
Not Detected
Expected RT: 5.19

Processing Integration Results



Manual Integration Results

RT: 5.19
Area: 1258
Amount: 5.219533
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:25:06
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

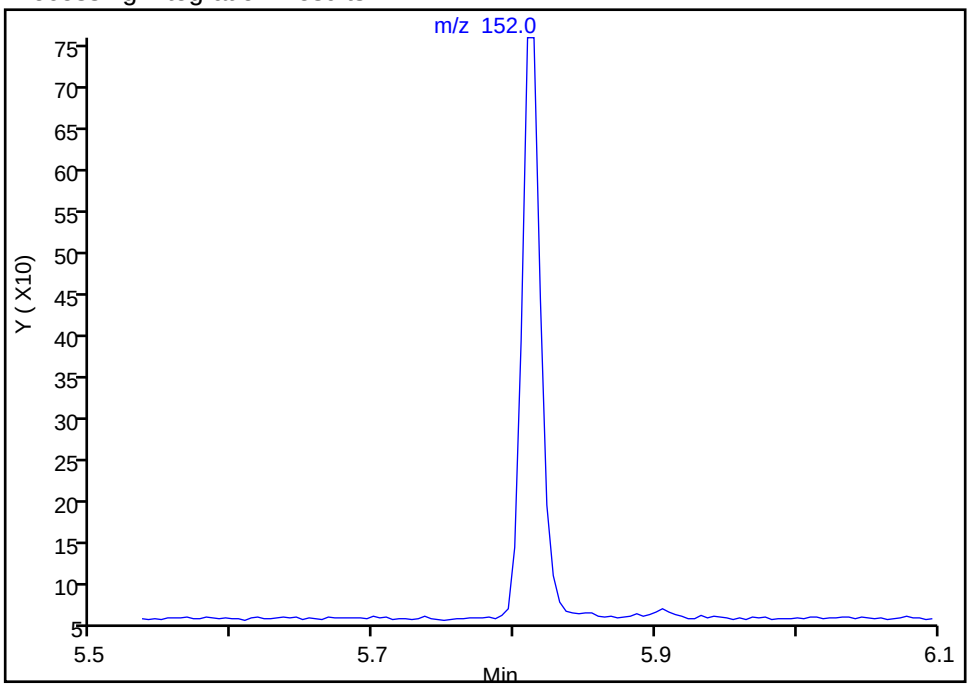
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b024.D				
Injection Date:	14-Jan-2022 04:26:30	Instrument ID:	TAC050		
Lims ID:	std3				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

$ 6 2-methylnaphthalene-d10, CAS: 7297-45-2

Signal: 1

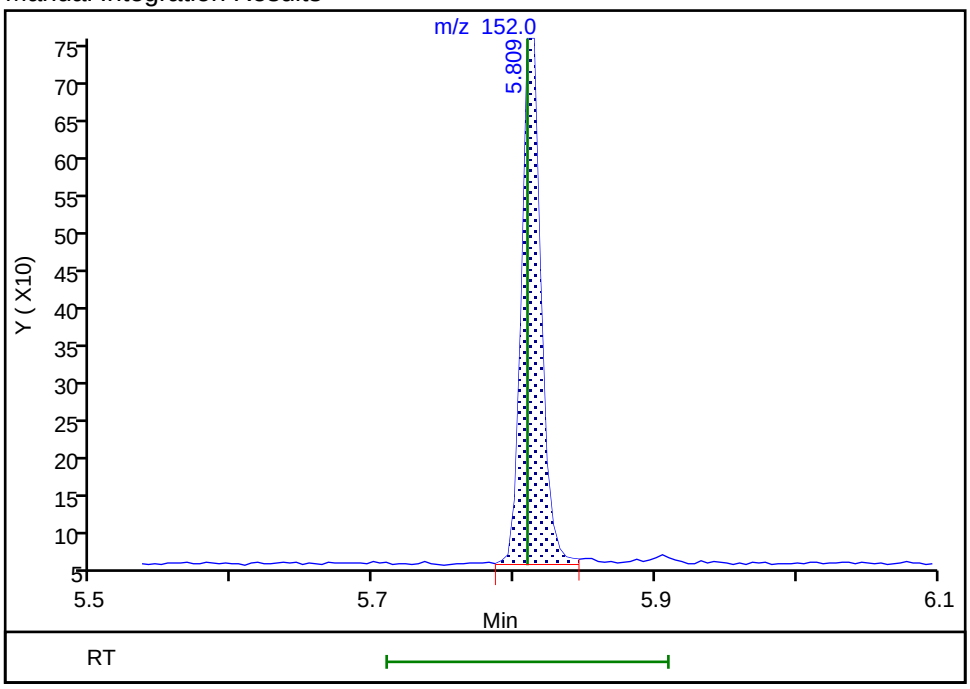
Not Detected
Expected RT: 5.81

Processing Integration Results



Manual Integration Results

RT: 5.81
Area: 674
Amount: 4.999521
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:24:42
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

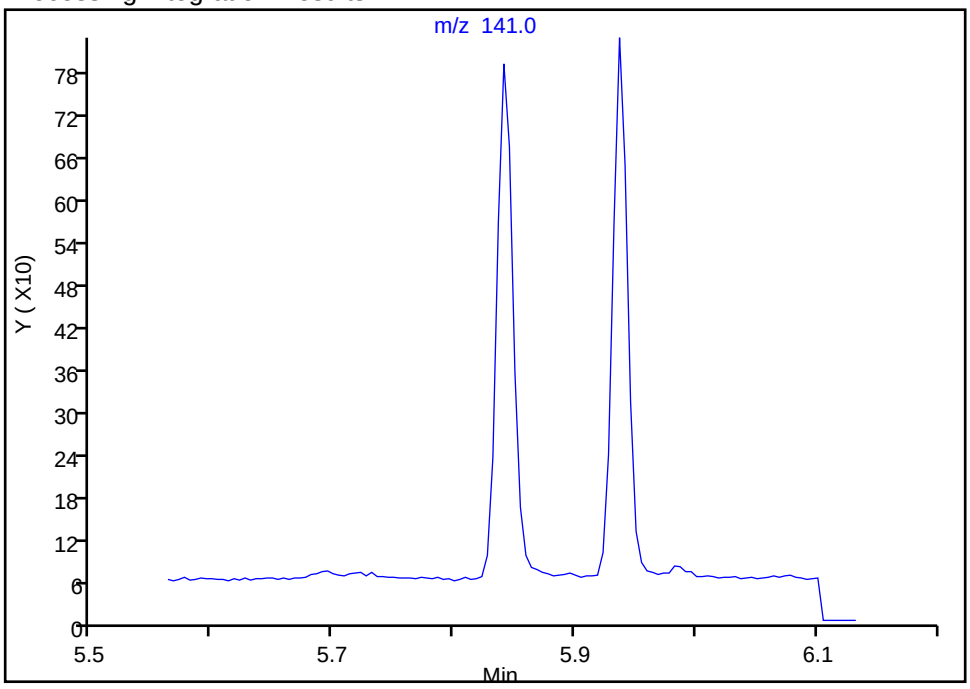
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b024.D				
Injection Date:	14-Jan-2022 04:26:30	Instrument ID:	TAC050		
Lims ID:	std3				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

12 2-Methylnaphthalene, CAS: 91-57-6

Signal: 1

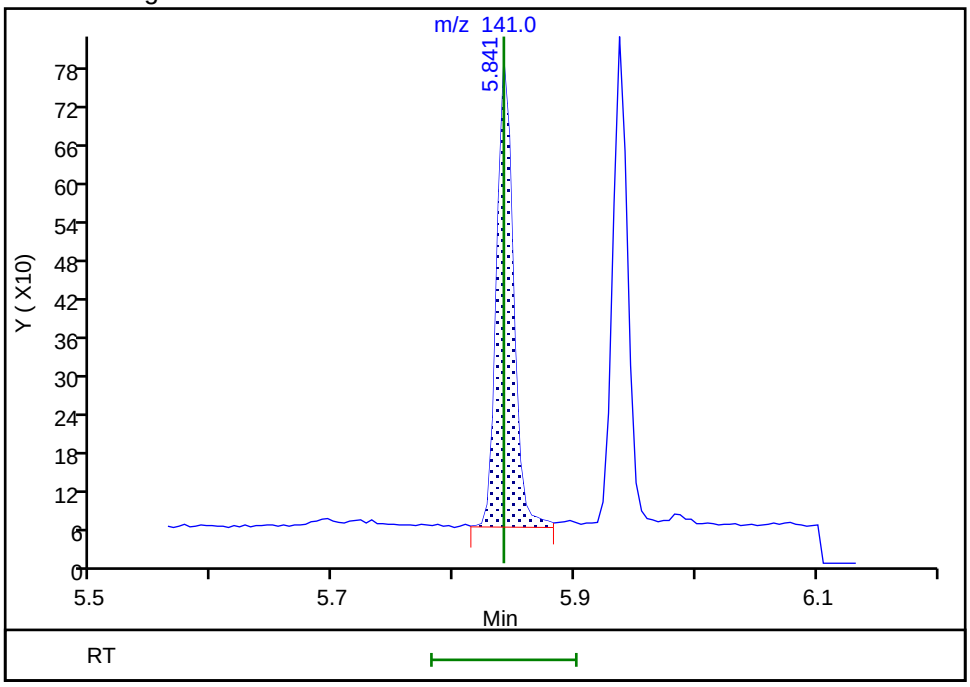
Not Detected
Expected RT: 5.84

Processing Integration Results



Manual Integration Results

RT: 5.84
Area: 702
Amount: 5.135764
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:25:10
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

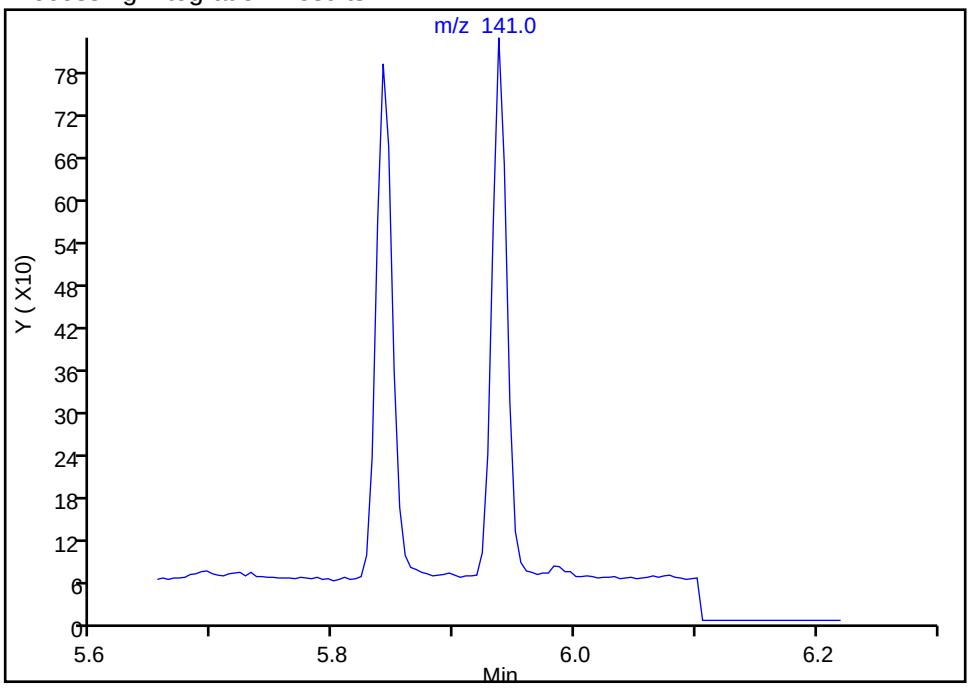
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b024.D
Injection Date: 14-Jan-2022 04:26:30 Instrument ID: TAC050
Lims ID: std3
Client ID:
Operator ID: jcm ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

13 1-Methylnaphthalene, CAS: 90-12-0

Signal: 1

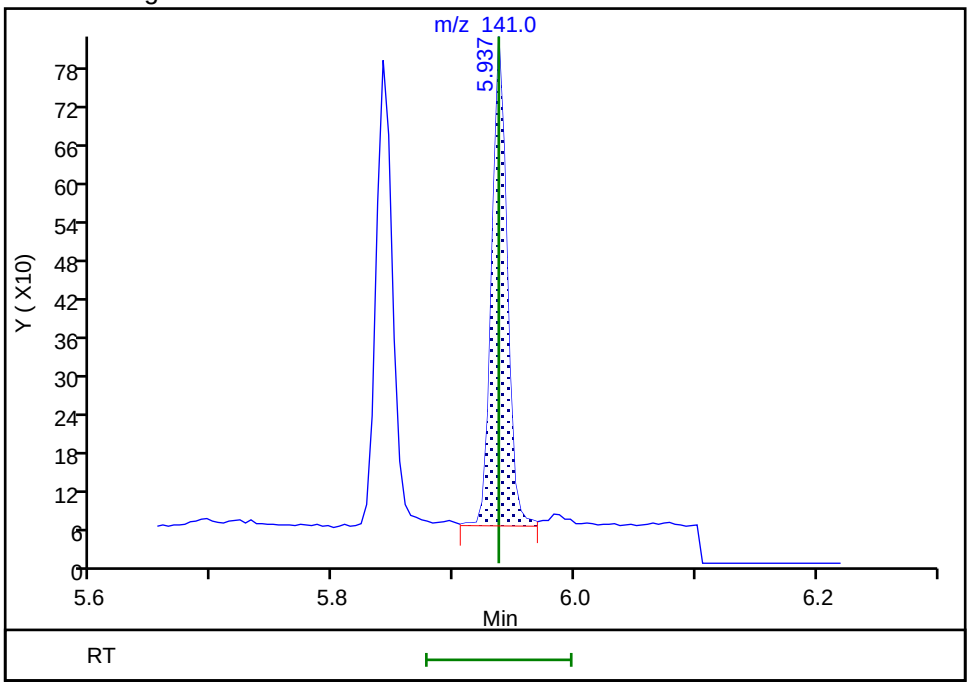
Not Detected
Expected RT: 5.94

Processing Integration Results



Manual Integration Results

RT: 5.94
Area: 671
Amount: 5.068040
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:25:14
Audit Action: Manually Integrated Audit Reason: Assign Peak

Eurofins Seattle

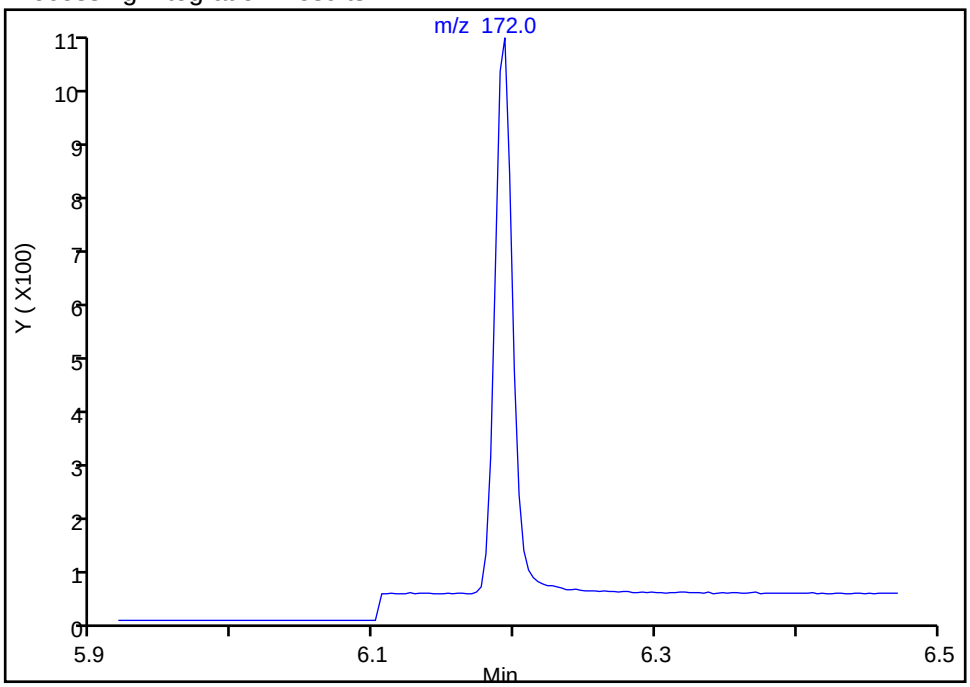
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b024.D
Injection Date: 14-Jan-2022 04:26:30 Instrument ID: TAC050
Lims ID: std3
Client ID:
Operator ID: jcm ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

$ 10 2-Fluorobiphenyl, CAS: 321-60-8

Signal: 1

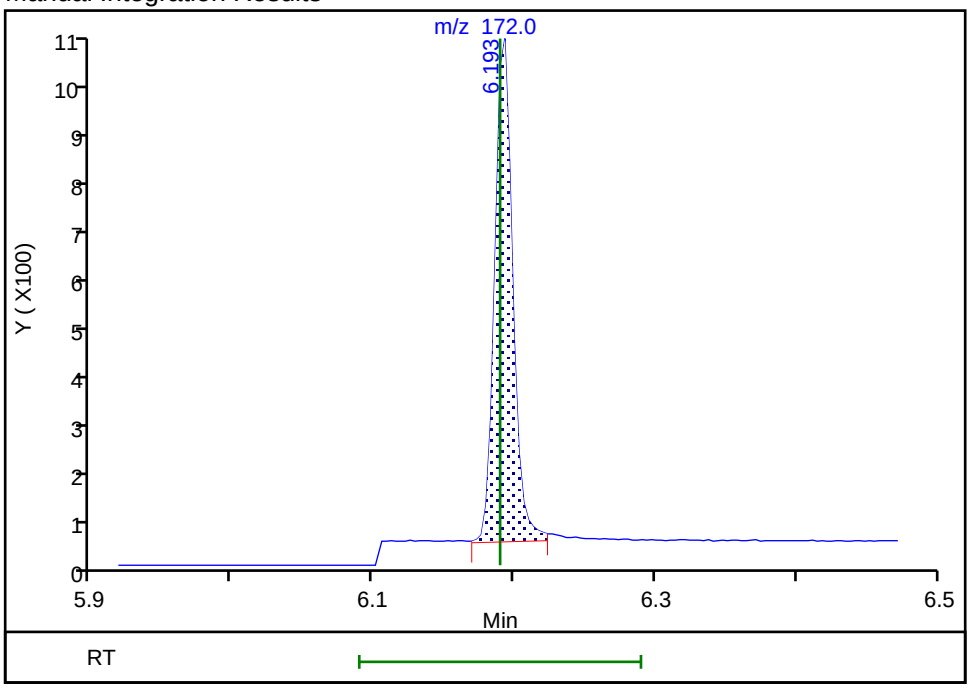
Not Detected
Expected RT: 6.19

Processing Integration Results



Manual Integration Results

RT: 6.19
Area: 854
Amount: 5.271019
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:24:47
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

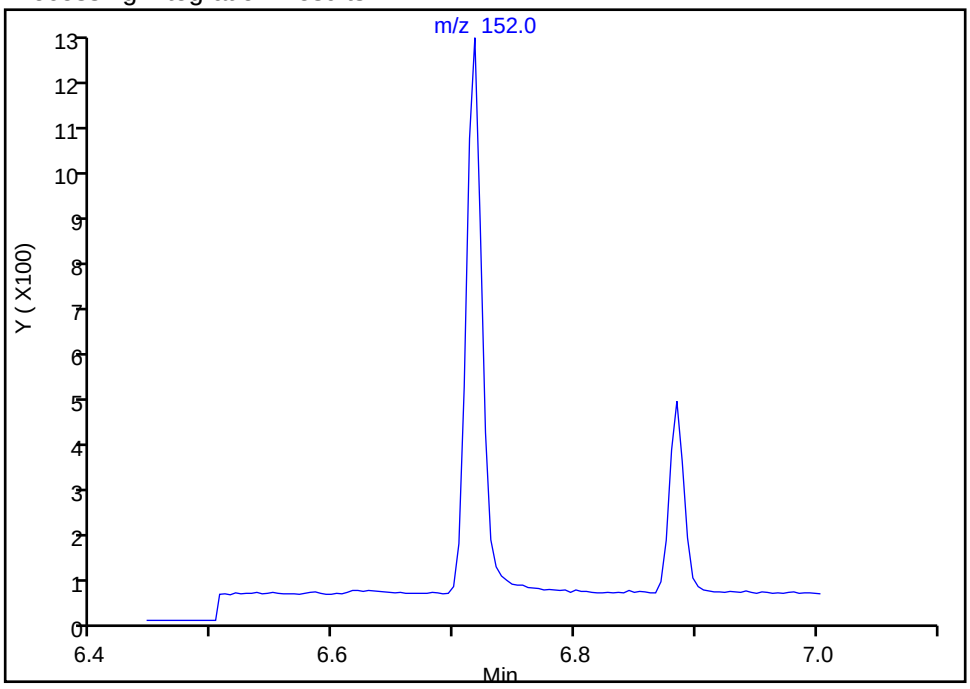
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b024.D				
Injection Date:	14-Jan-2022 04:26:30	Instrument ID:	TAC050		
Lims ID:	std3				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

14 Acenaphthylene, CAS: 208-96-8

Signal: 1

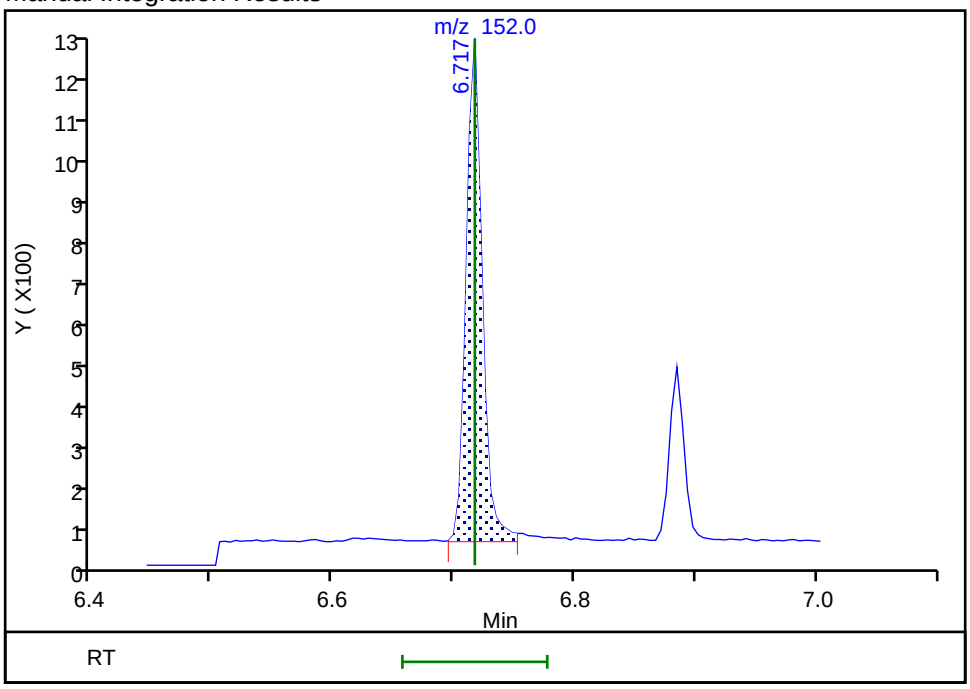
Not Detected
Expected RT: 6.72

Processing Integration Results



Manual Integration Results

RT: 6.72
Area: 1063
Amount: 4.965980
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:25:18
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

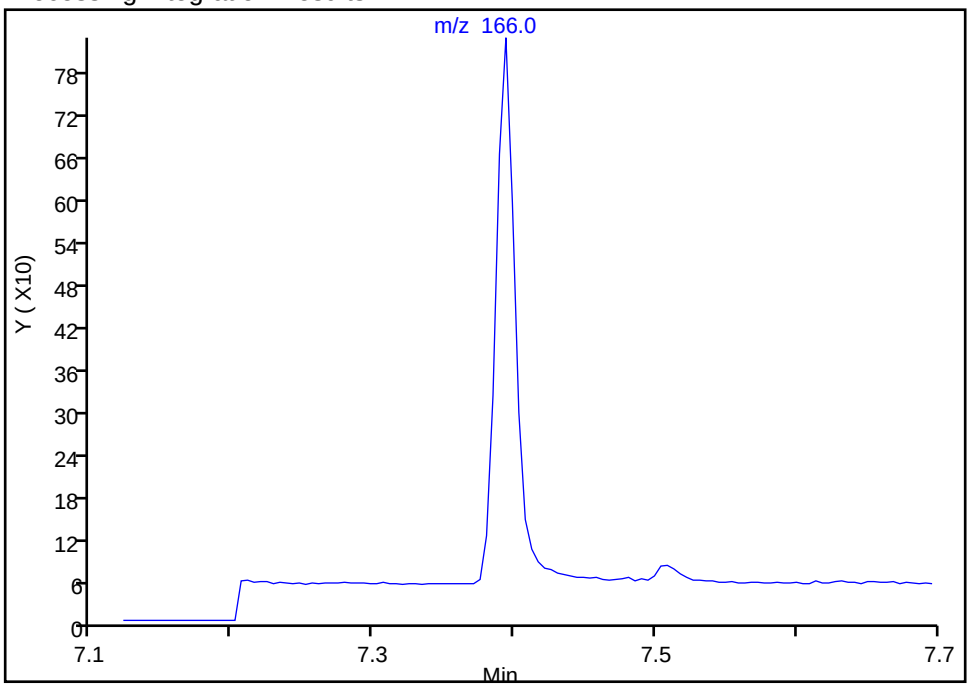
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b024.D
Injection Date: 14-Jan-2022 04:26:30 Instrument ID: TAC050
Lims ID: std3
Client ID:
Operator ID: jcm ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

16 Fluorene, CAS: 86-73-7

Signal: 1

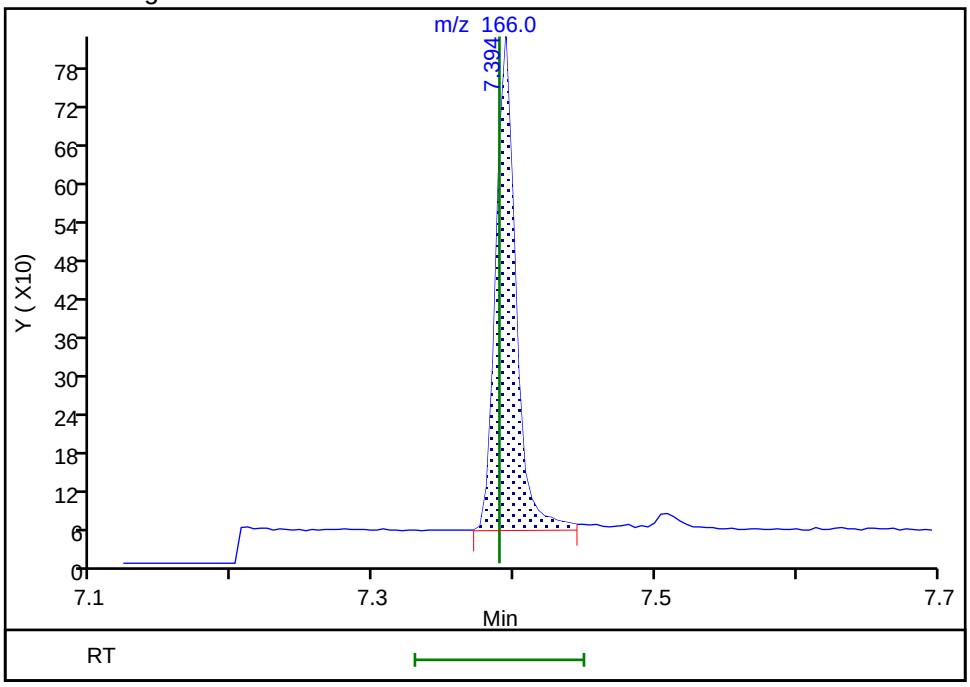
Not Detected
Expected RT: 7.39

Processing Integration Results



Manual Integration Results

RT: 7.39
Area: 762
Amount: 5.088129
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:25:24
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

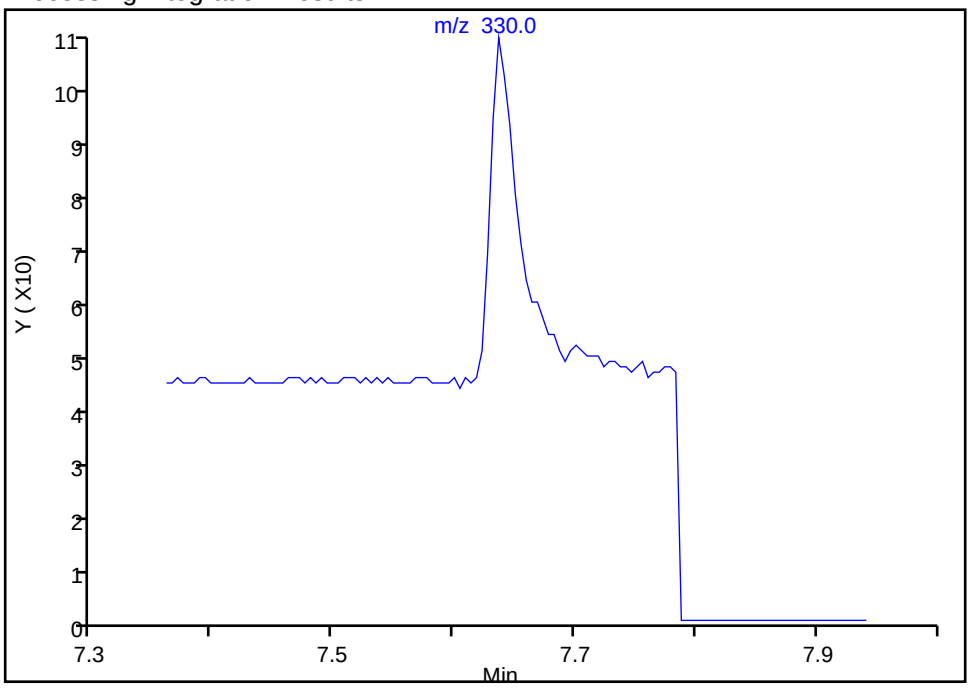
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b024.D				
Injection Date:	14-Jan-2022 04:26:30	Instrument ID:	TAC050		
Lims ID:	std3				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

$ 7 2,4,6-Tribromophenol, CAS: 118-79-6

Signal: 1

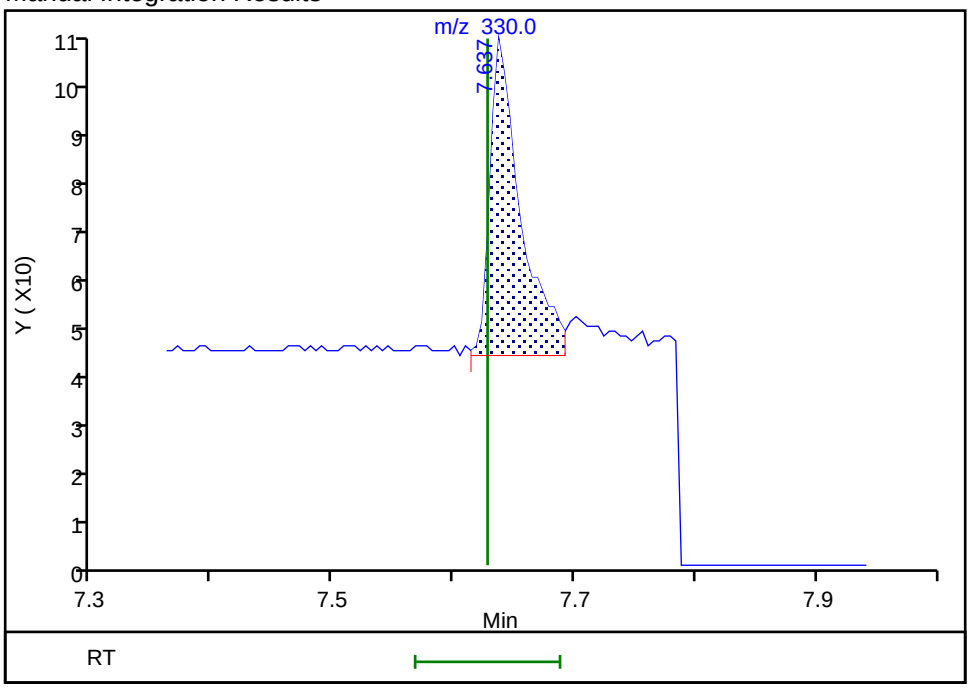
Not Detected
Expected RT: 7.63

Processing Integration Results



RT: 7.64
Area: 113
Amount: 9.578742
Amount Units: ug/L

Manual Integration Results



Reviewer: boylea, 14-Jan-2022 14:24:51
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

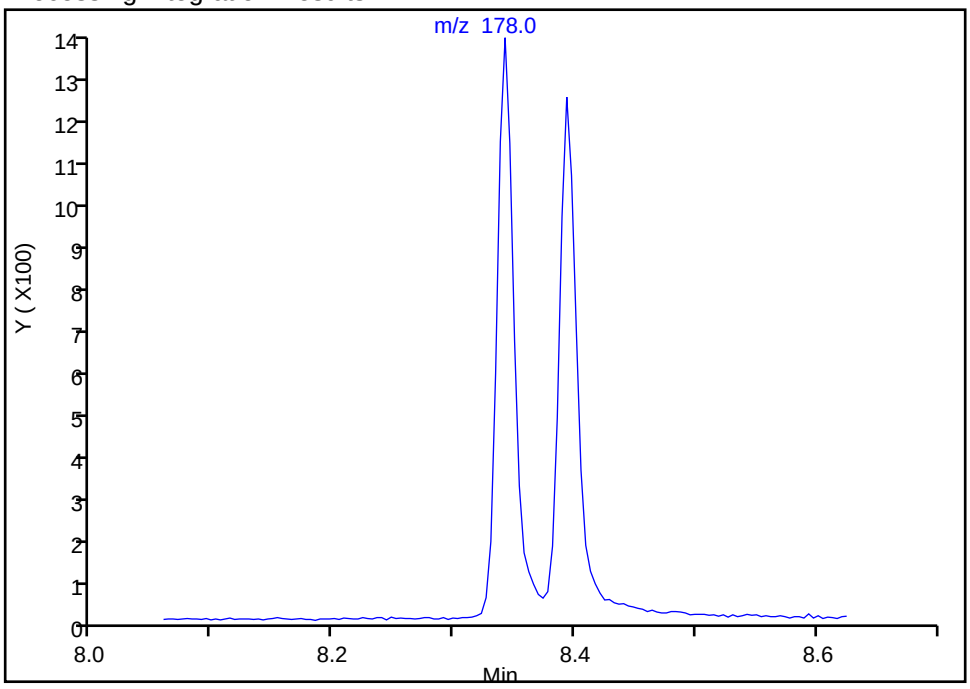
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b024.D
Injection Date: 14-Jan-2022 04:26:30 Instrument ID: TAC050
Lims ID: std3
Client ID:
Operator ID: jcm ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

18 Phenanthrene, CAS: 85-01-8

Signal: 1

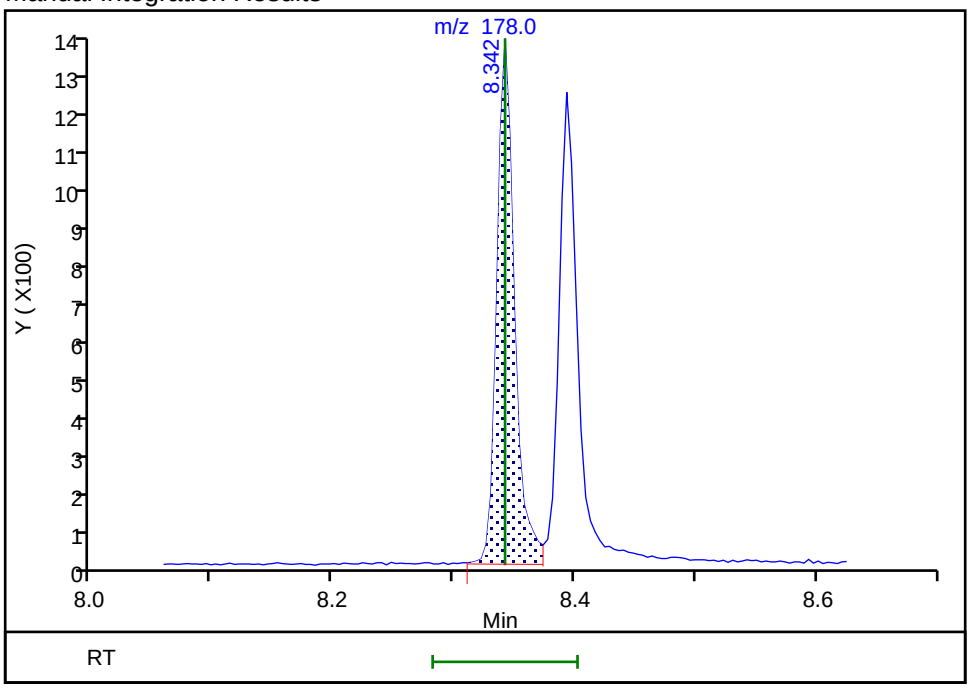
Not Detected
Expected RT: 8.34

Processing Integration Results



Manual Integration Results

RT: 8.34
Area: 1265
Amount: 5.285785
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:25:31
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

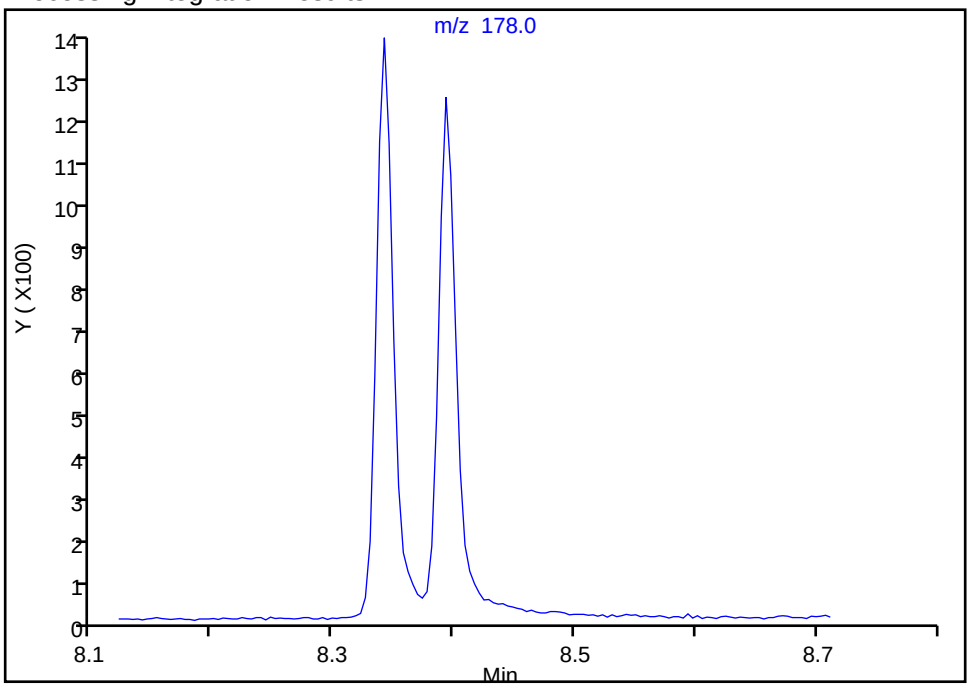
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b024.D
Injection Date: 14-Jan-2022 04:26:30 Instrument ID: TAC050
Lims ID: std3
Client ID:
Operator ID: jcm ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

19 Anthracene, CAS: 120-12-7

Signal: 1

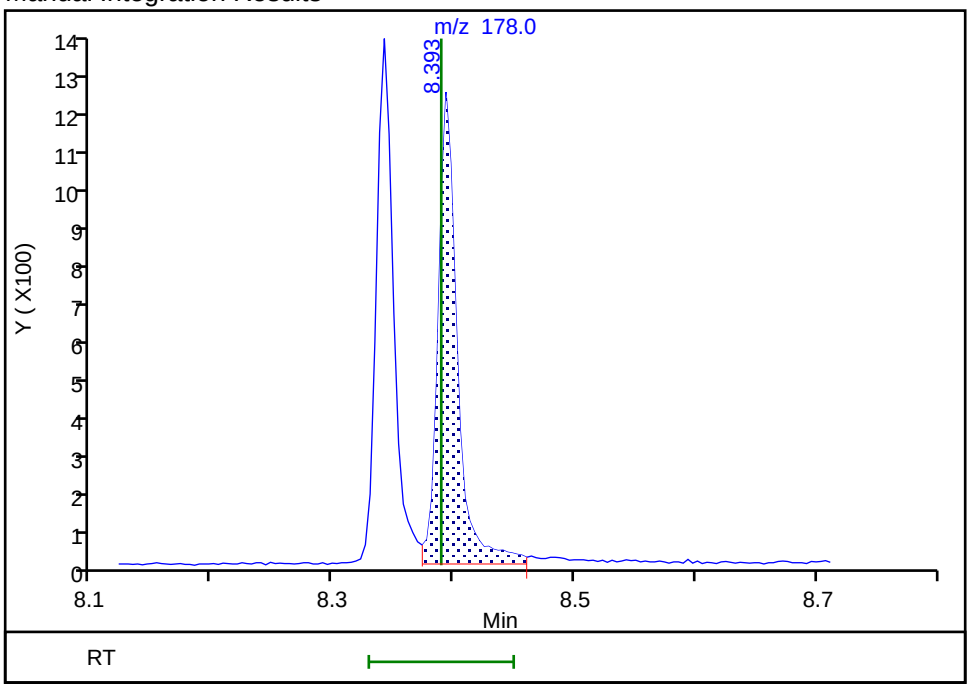
Not Detected
Expected RT: 8.39

Processing Integration Results



Manual Integration Results

RT: 8.39
Area: 1238
Amount: 5.313964
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:25:38
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

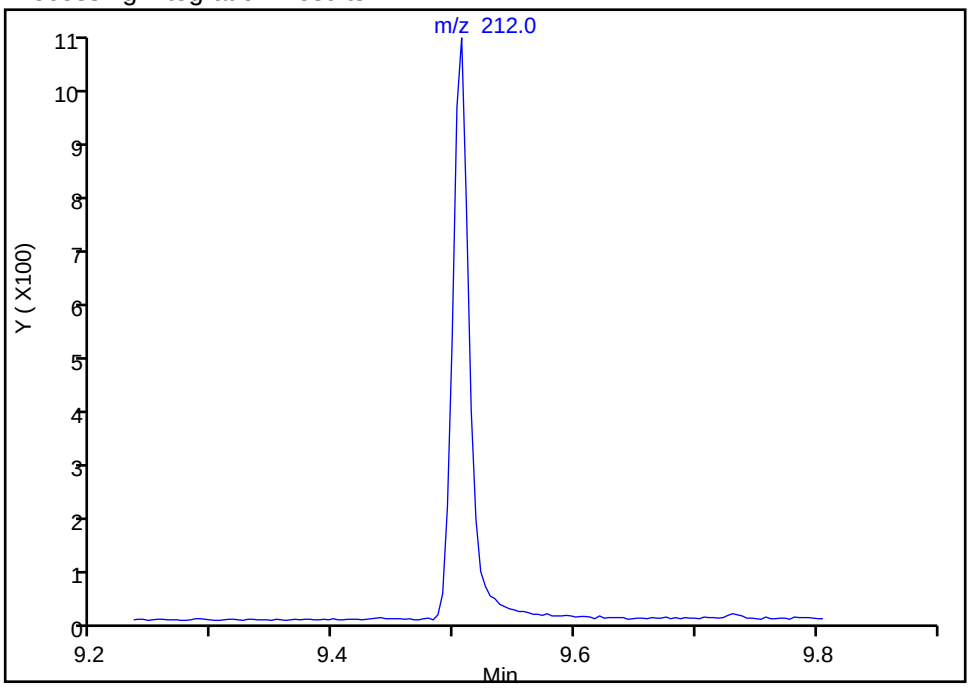
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b024.D				
Injection Date:	14-Jan-2022 04:26:30	Instrument ID:	TAC050		
Lims ID:	std3				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

$ 8 Fluoranthene-d10 (Surr), CAS: 93951-69-0

Signal: 1

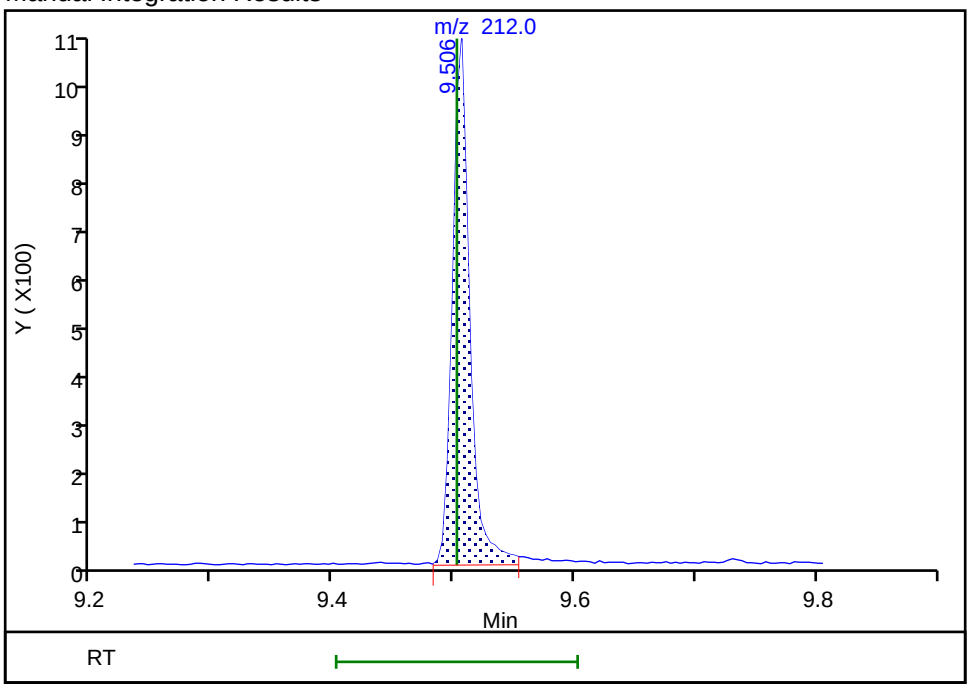
Processing Integration Results

Not Detected
Expected RT: 9.50



Manual Integration Results

RT: 9.51
Area: 1038
Amount: 5.240464
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:24:56
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

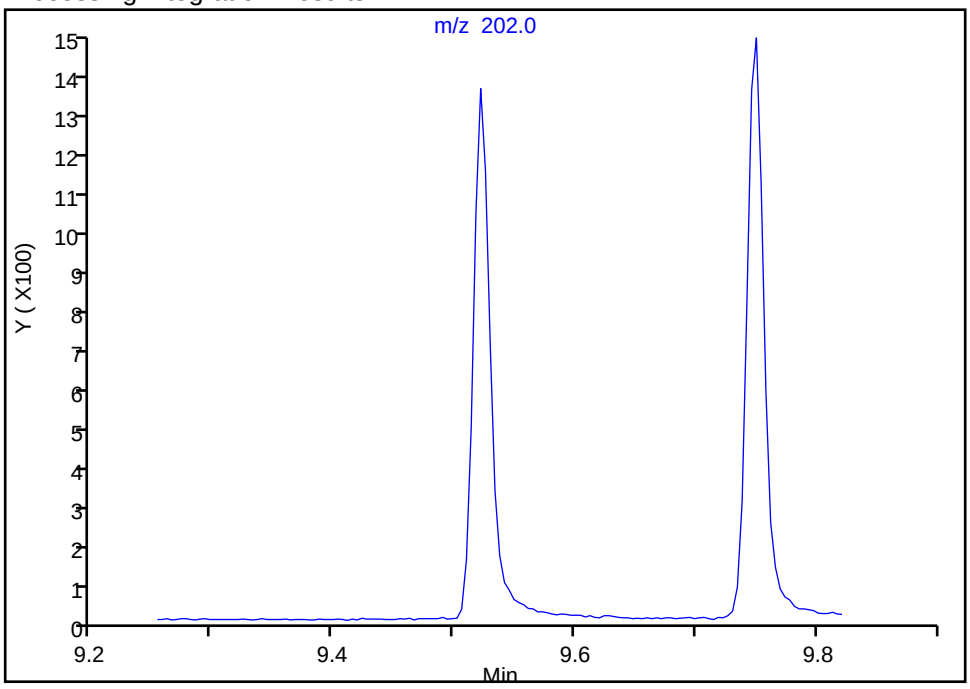
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b024.D
Injection Date: 14-Jan-2022 04:26:30 Instrument ID: TAC050
Lims ID: std3
Client ID:
Operator ID: jcm ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

20 Fluoranthene, CAS: 206-44-0

Signal: 1

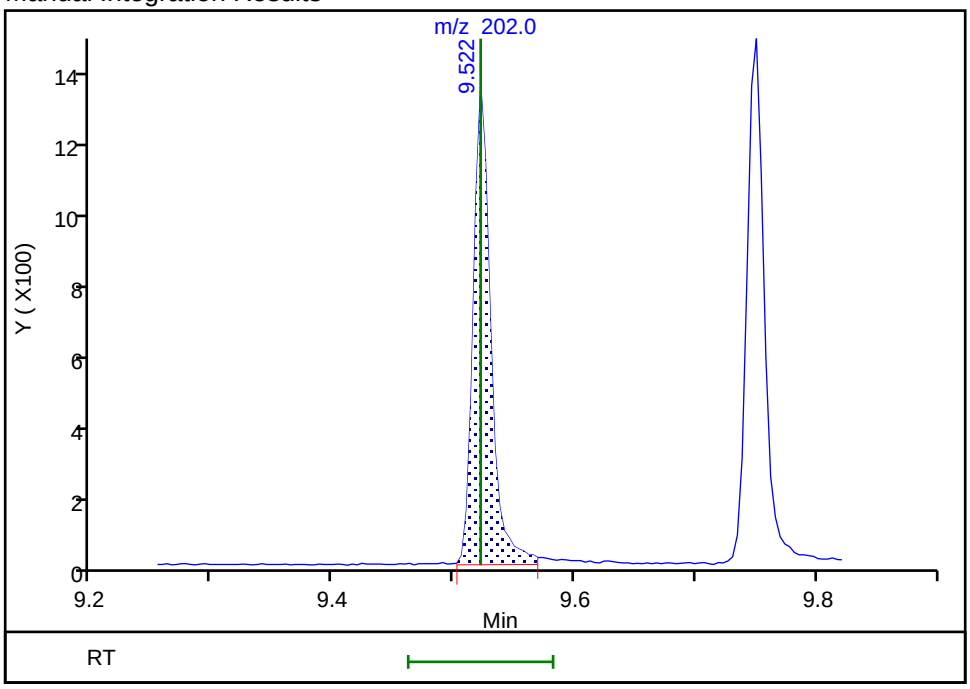
Not Detected
Expected RT: 9.52

Processing Integration Results



Manual Integration Results

RT: 9.52
Area: 1256
Amount: 5.278999
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:26:06
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

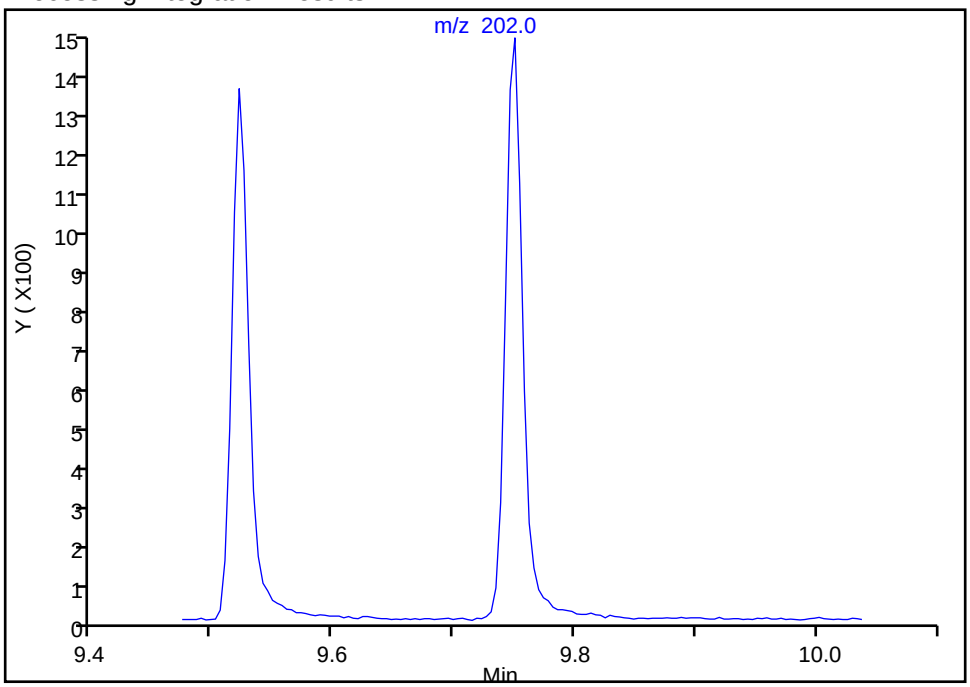
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b024.D
Injection Date: 14-Jan-2022 04:26:30 Instrument ID: TAC050
Lims ID: std3
Client ID:
Operator ID: jcm ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

21 Pyrene, CAS: 129-00-0

Signal: 1

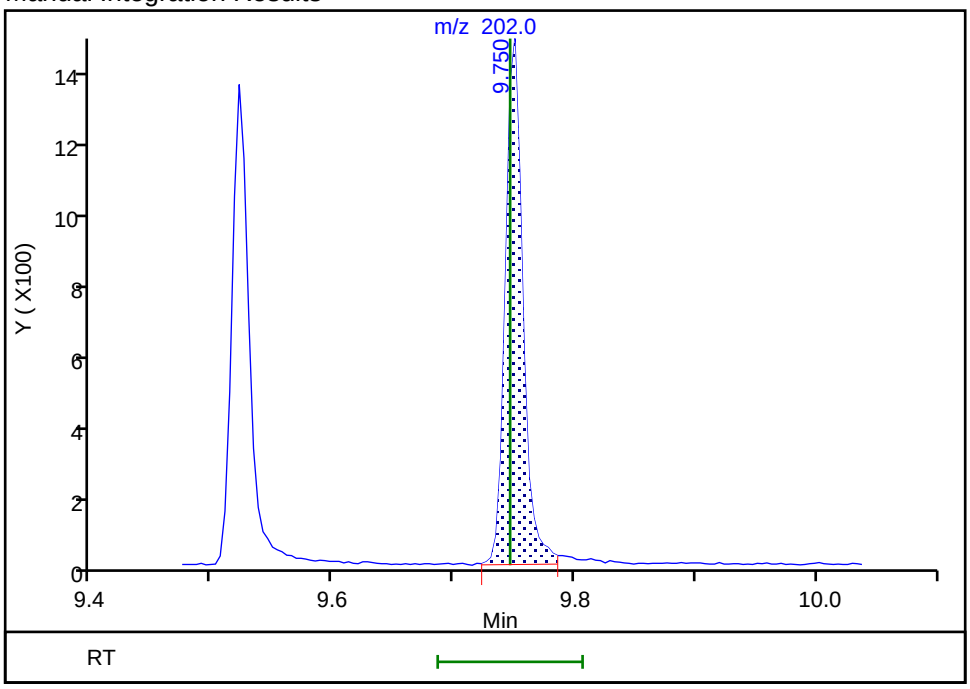
Not Detected
Expected RT: 9.75

Processing Integration Results



Manual Integration Results

RT: 9.75
Area: 1375
Amount: 5.470931
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:26:10
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

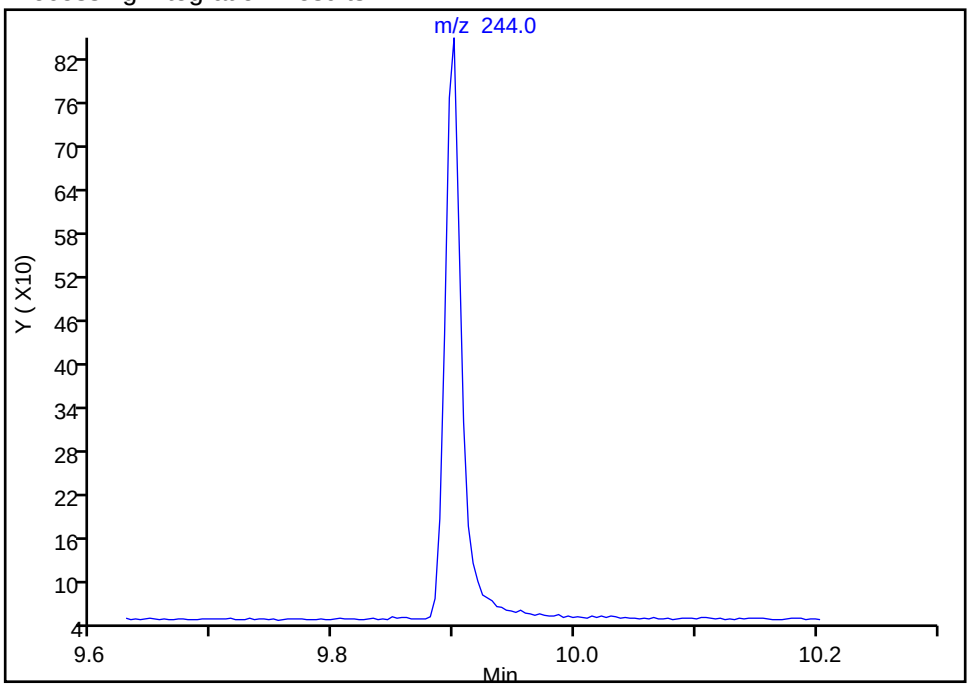
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b024.D
Injection Date: 14-Jan-2022 04:26:30 Instrument ID: TAC050
Lims ID: std3
Client ID:
Operator ID: jcm ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

$ 9 Terphenyl-d14, CAS: 1718-51-0

Signal: 1

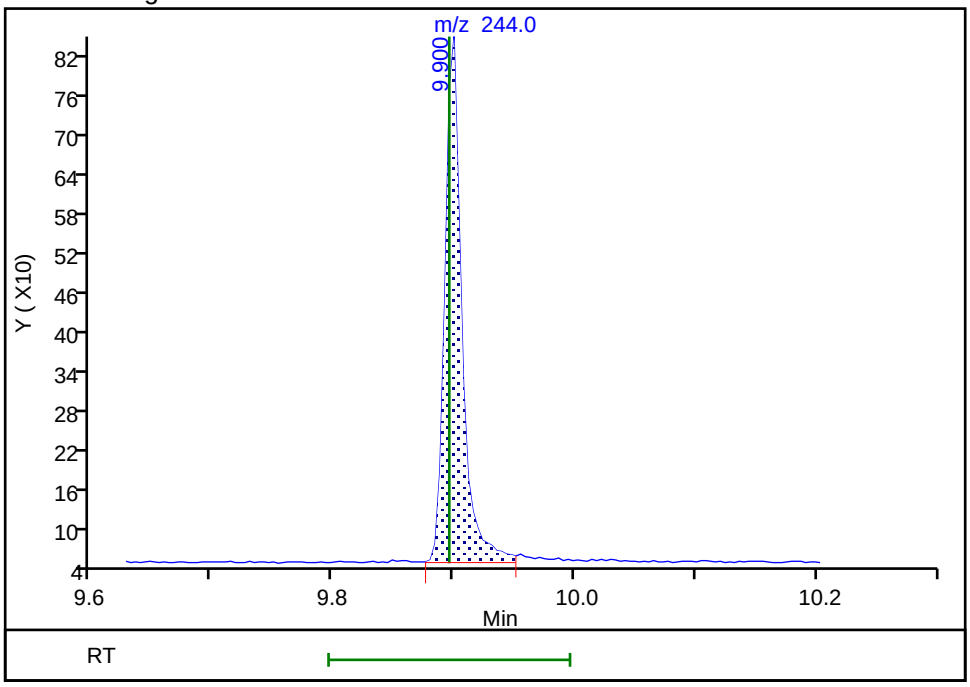
Not Detected
Expected RT: 9.90

Processing Integration Results



Manual Integration Results

RT: 9.90
Area: 782
Amount: 6.223975
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:25:02
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

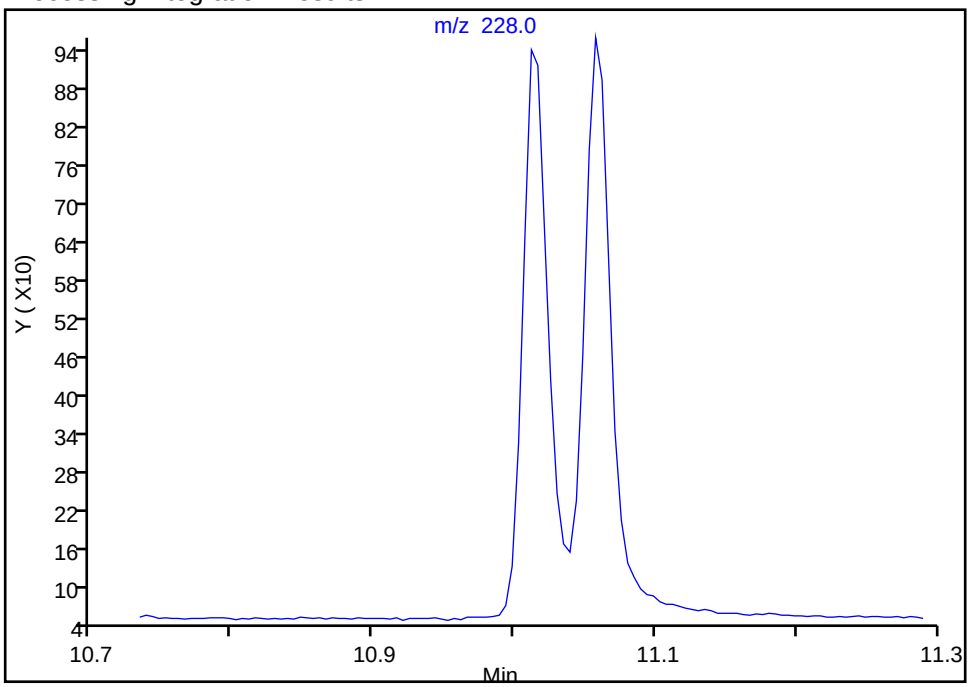
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b024.D				
Injection Date:	14-Jan-2022 04:26:30	Instrument ID:	TAC050		
Lims ID:	std3				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

22 Benzo[a]anthracene, CAS: 56-55-3

Signal: 1

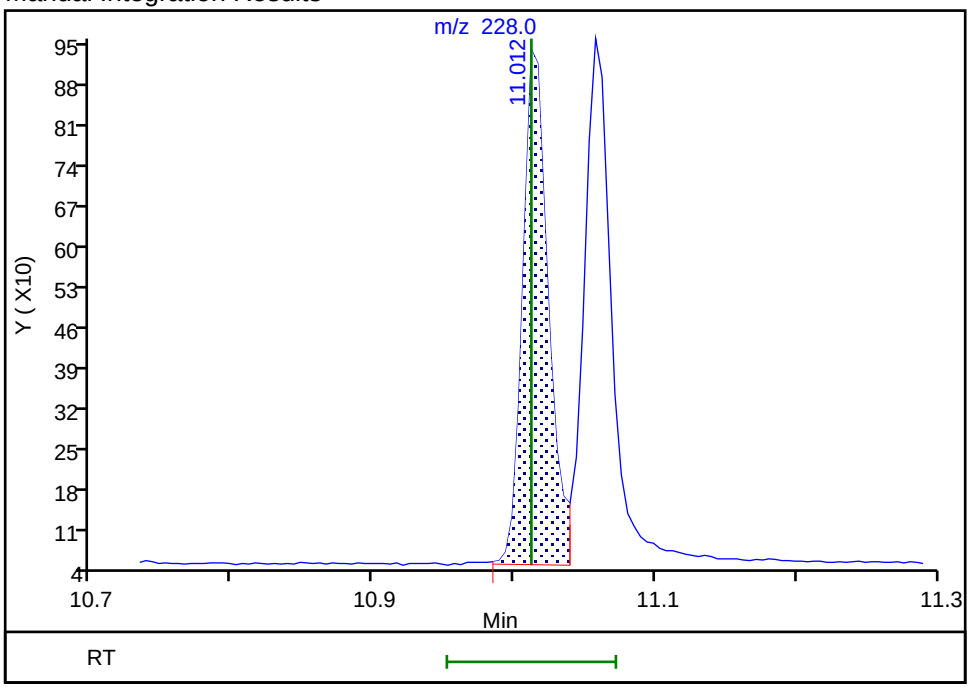
Not Detected
Expected RT: 11.01

Processing Integration Results



Manual Integration Results

RT: 11.01
Area: 1118
Amount: 5.025826
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:26:26
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

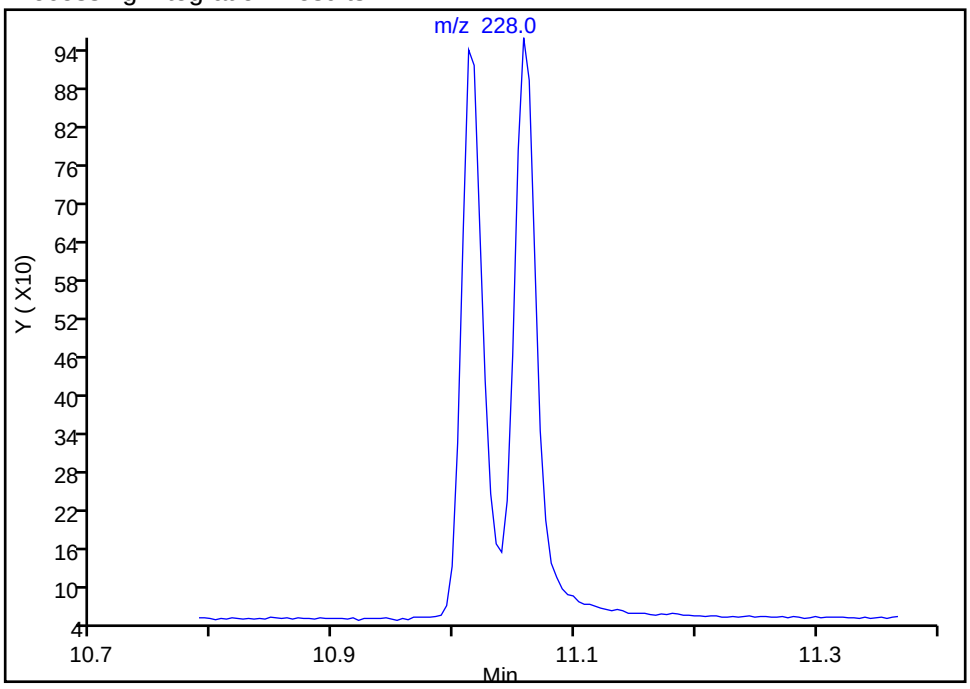
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b024.D
Injection Date: 14-Jan-2022 04:26:30 Instrument ID: TAC050
Lims ID: std3
Client ID:
Operator ID: jcm ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

23 Chrysene, CAS: 218-01-9

Signal: 1

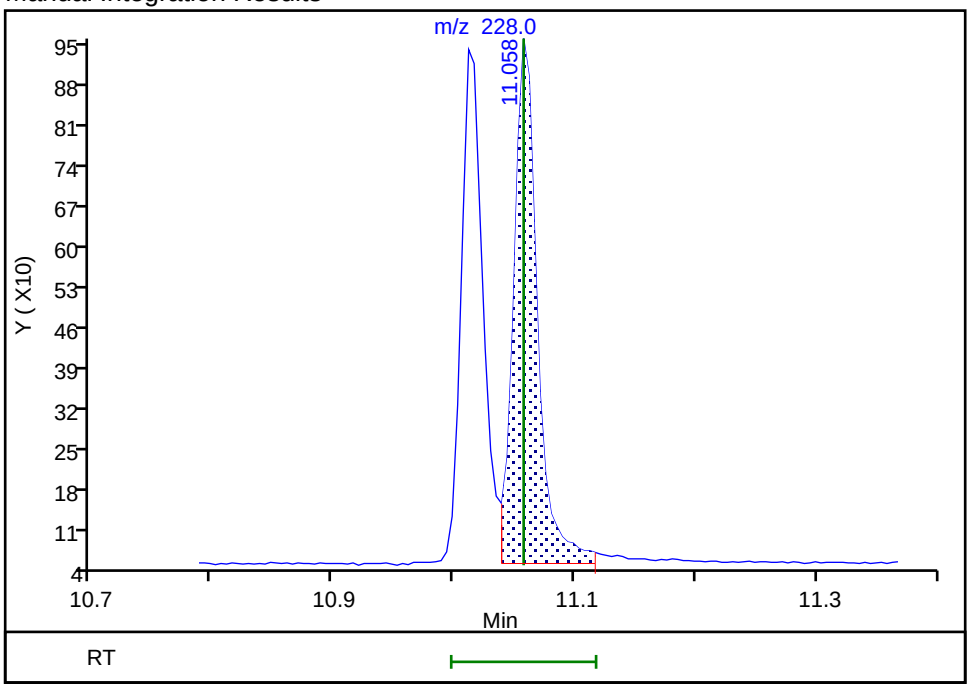
Not Detected
Expected RT: 11.06

Processing Integration Results



Manual Integration Results

RT: 11.06
Area: 1221
Amount: 5.148902
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:26:39
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

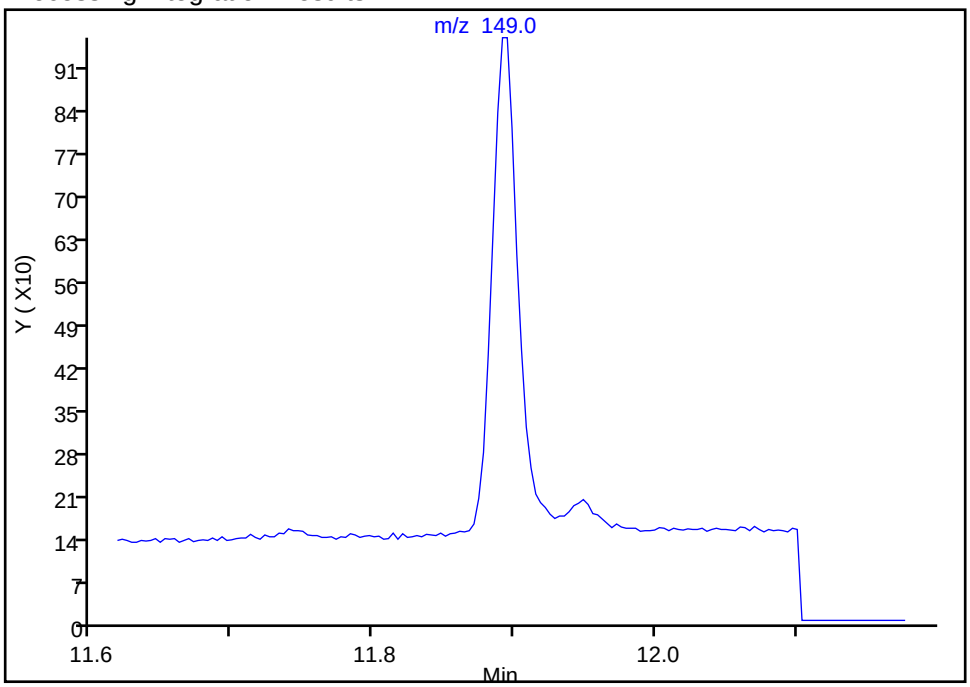
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b024.D				
Injection Date:	14-Jan-2022 04:26:30	Instrument ID:	TAC050		
Lims ID:	std3				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

30 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7

Signal: 1

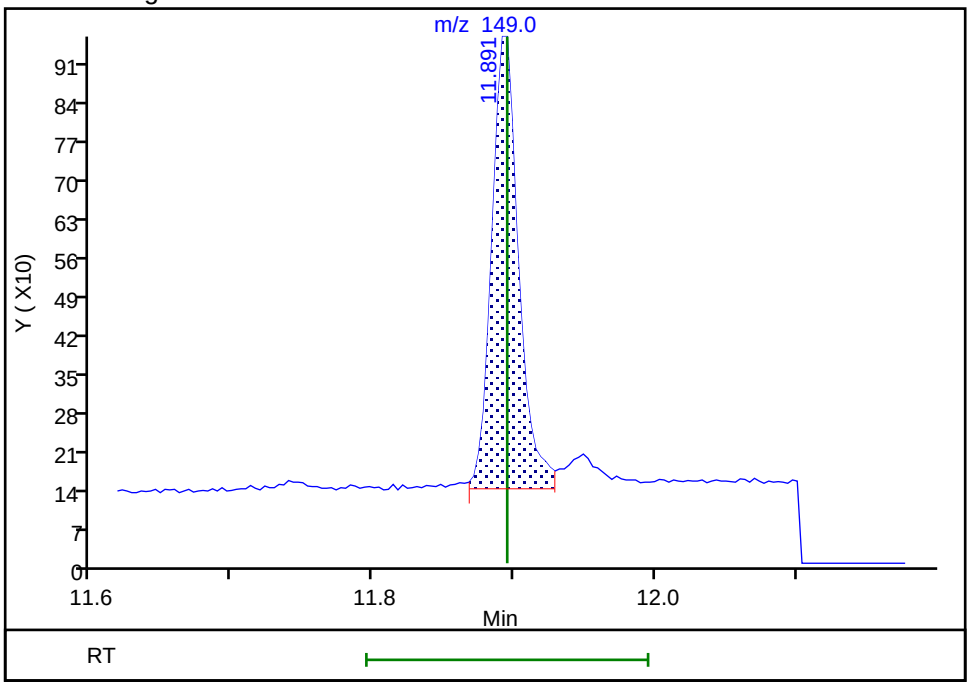
Not Detected
Expected RT: 11.89

Processing Integration Results



Manual Integration Results

RT: 11.89
Area: 1083
Amount: 4.520571
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:26:44
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

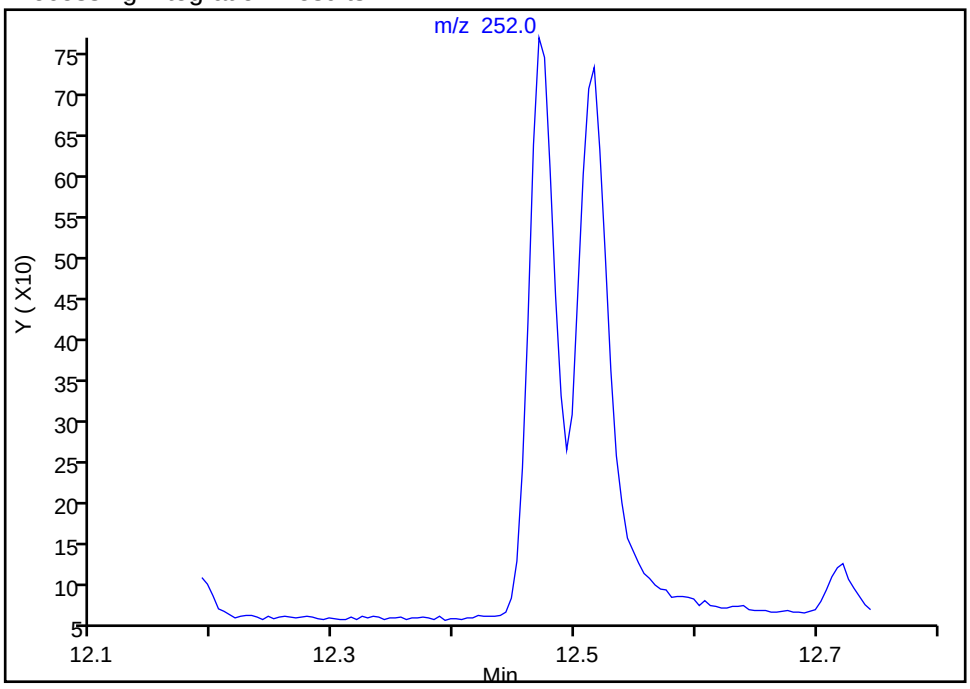
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b024.D				
Injection Date:	14-Jan-2022 04:26:30	Instrument ID:	TAC050		
Lims ID:	std3				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

24 Benzo[b]fluoranthene, CAS: 205-99-2

Signal: 1

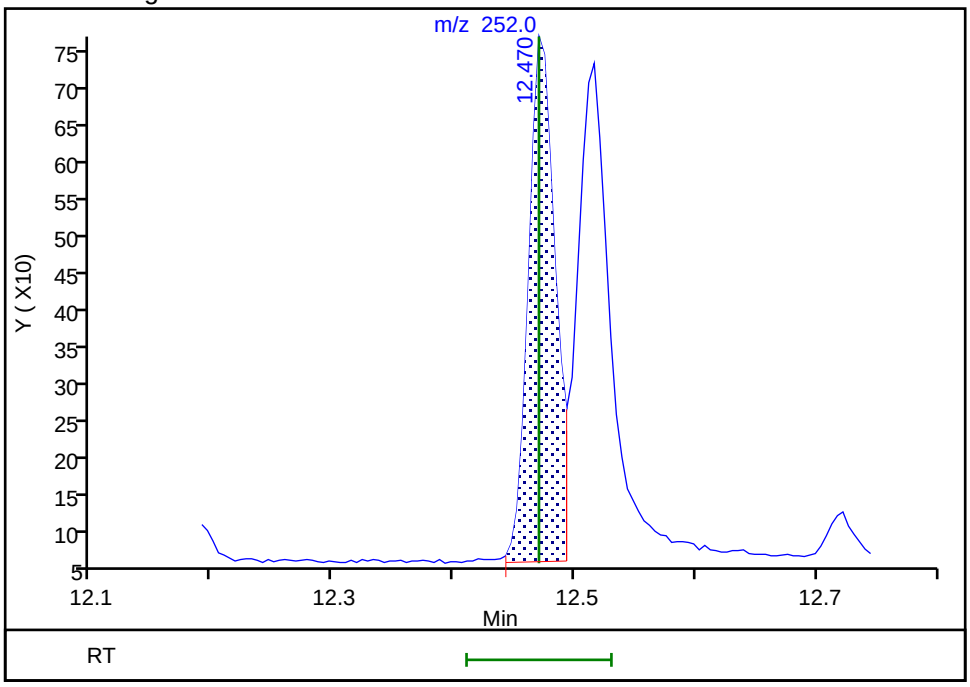
Not Detected
Expected RT: 12.47

Processing Integration Results



Manual Integration Results

RT: 12.47
Area: 1076
Amount: 5.050499
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:26:51
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

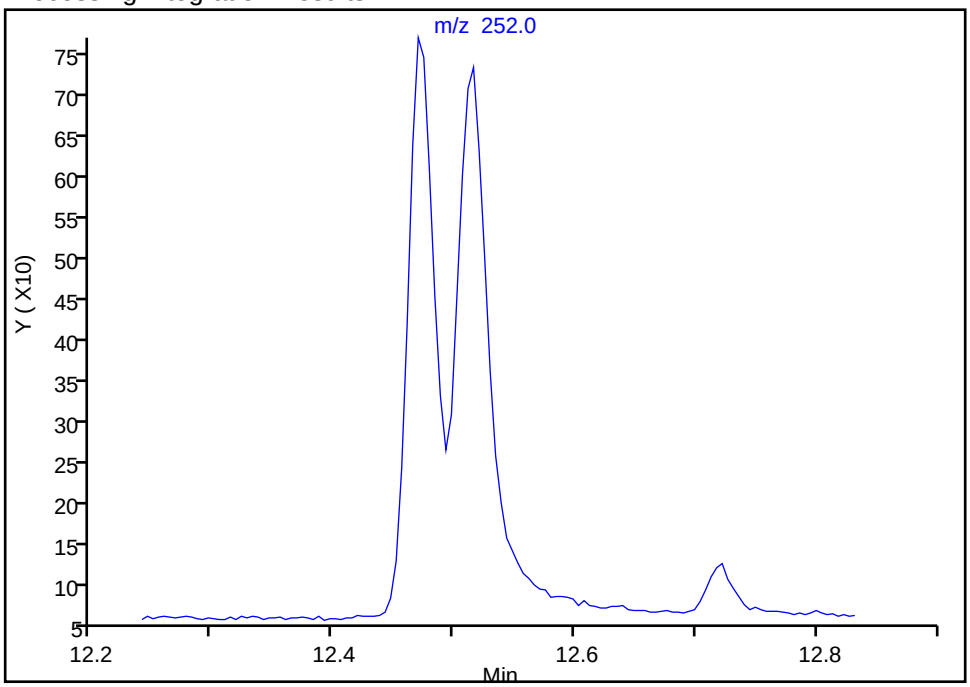
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b024.D				
Injection Date:	14-Jan-2022 04:26:30	Instrument ID:	TAC050		
Lims ID:	std3				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

25 Benzo[k]fluoranthene, CAS: 207-08-9

Signal: 1

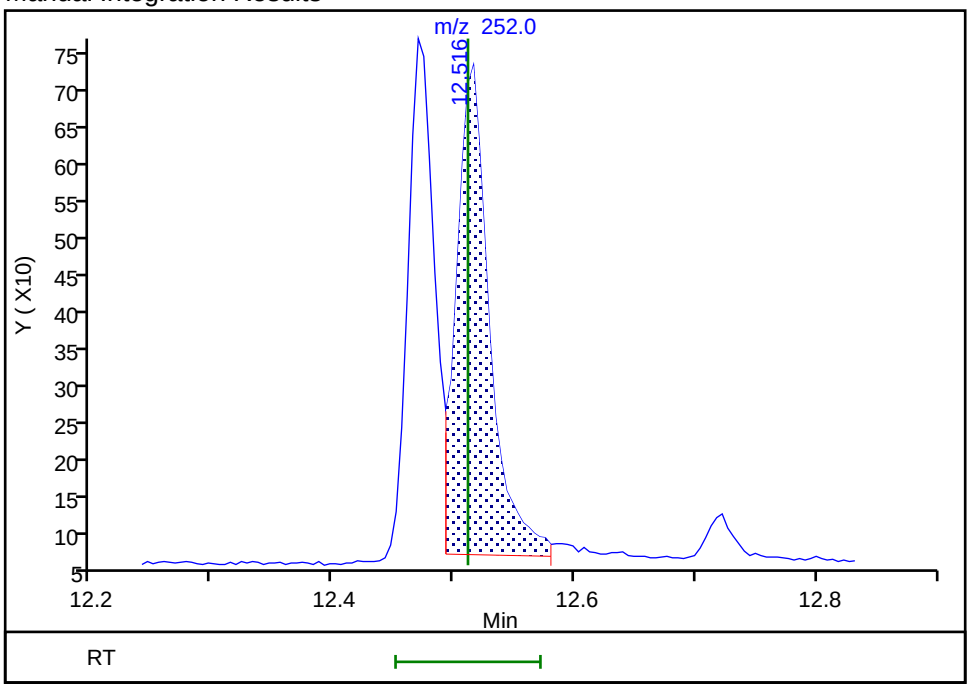
Not Detected
Expected RT: 12.51

Processing Integration Results



Manual Integration Results

RT: 12.52
Area: 1238
Amount: 5.232427
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:26:57
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

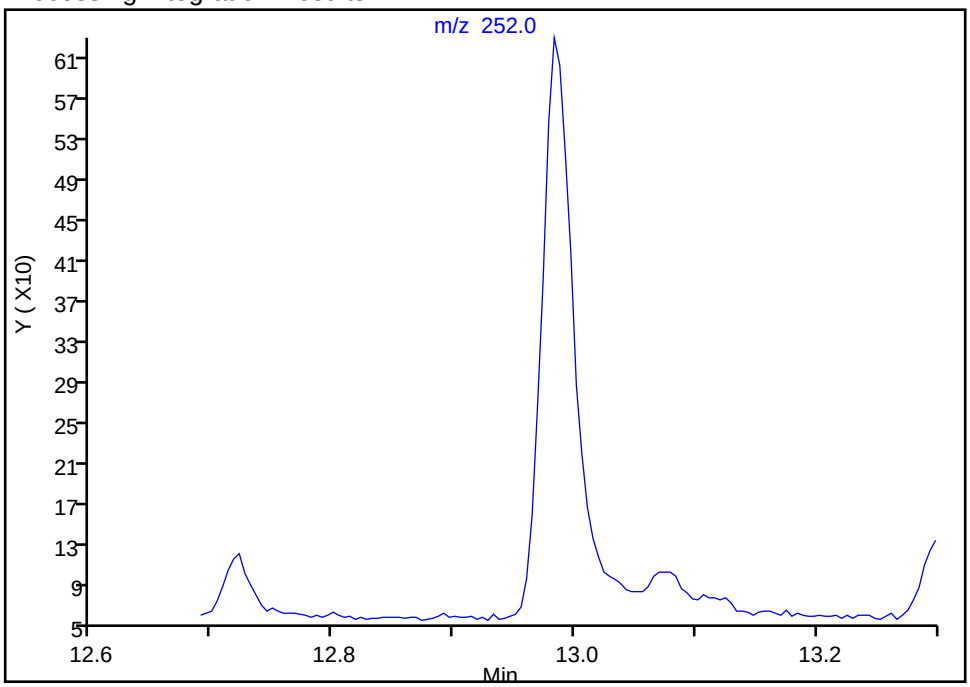
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b024.D
Injection Date: 14-Jan-2022 04:26:30 Instrument ID: TAC050
Lims ID: std3
Client ID:
Operator ID: jcm ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

26 Benzo[a]pyrene, CAS: 50-32-8

Signal: 1

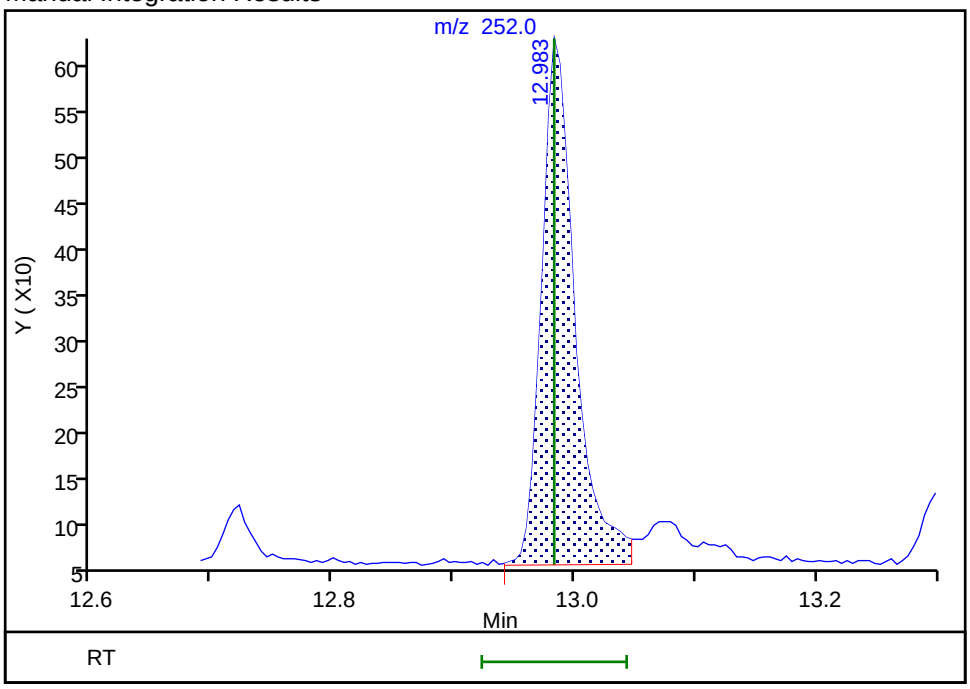
Not Detected
Expected RT: 12.98

Processing Integration Results



Manual Integration Results

RT: 12.98
Area: 1088
Amount: 5.127355
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:27:08
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

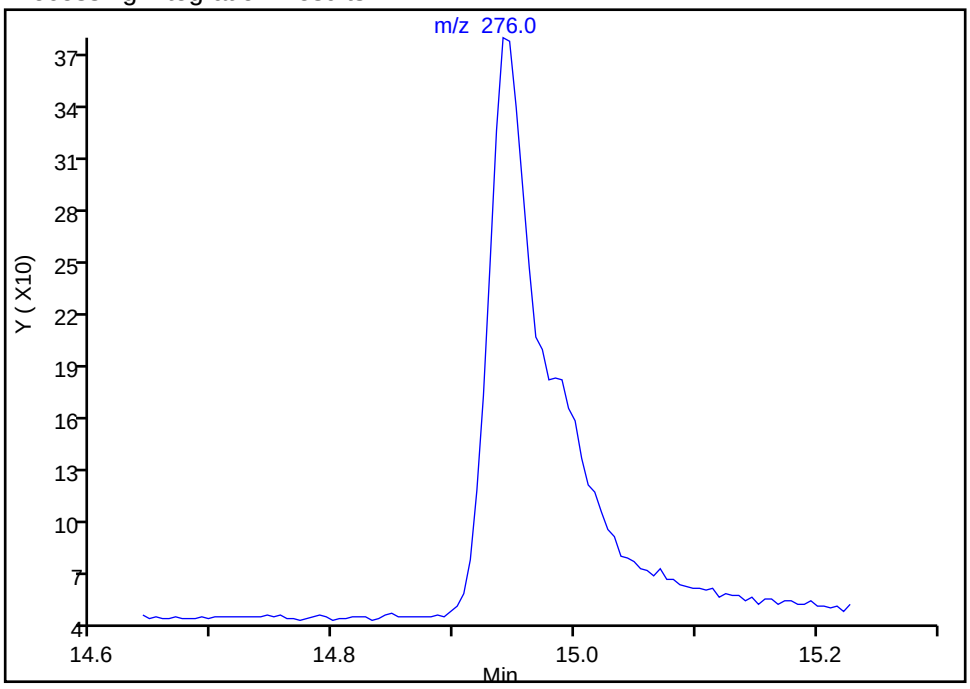
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b024.D				
Injection Date:	14-Jan-2022 04:26:30	Instrument ID:	TAC050		
Lims ID:	std3				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

27 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

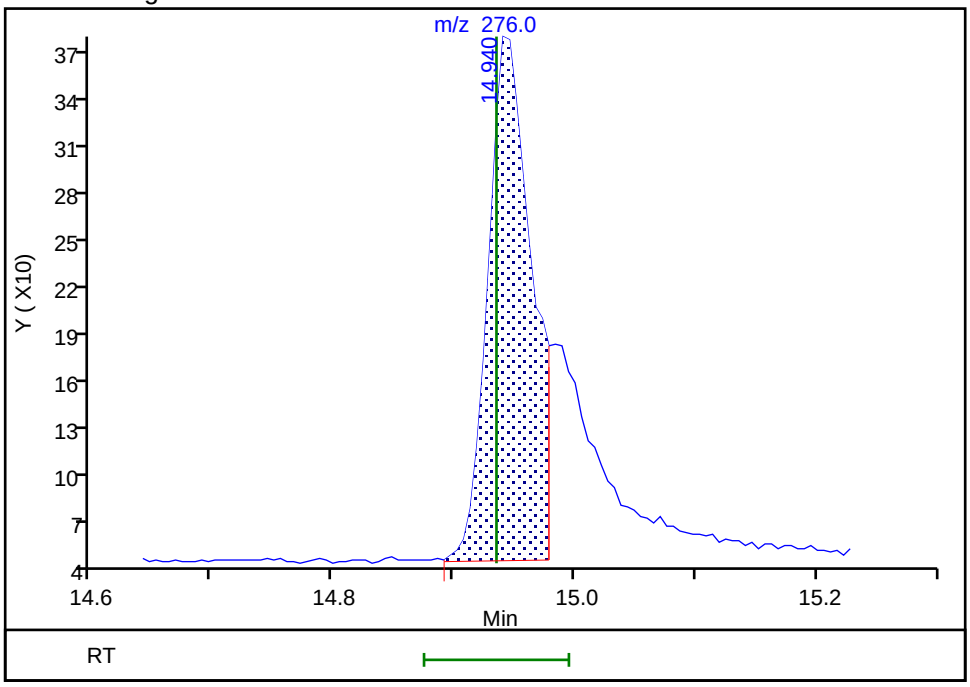
Not Detected
Expected RT: 14.93

Processing Integration Results



Manual Integration Results

RT: 14.94
Area: 804
Amount: 5.456935
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:27:14
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

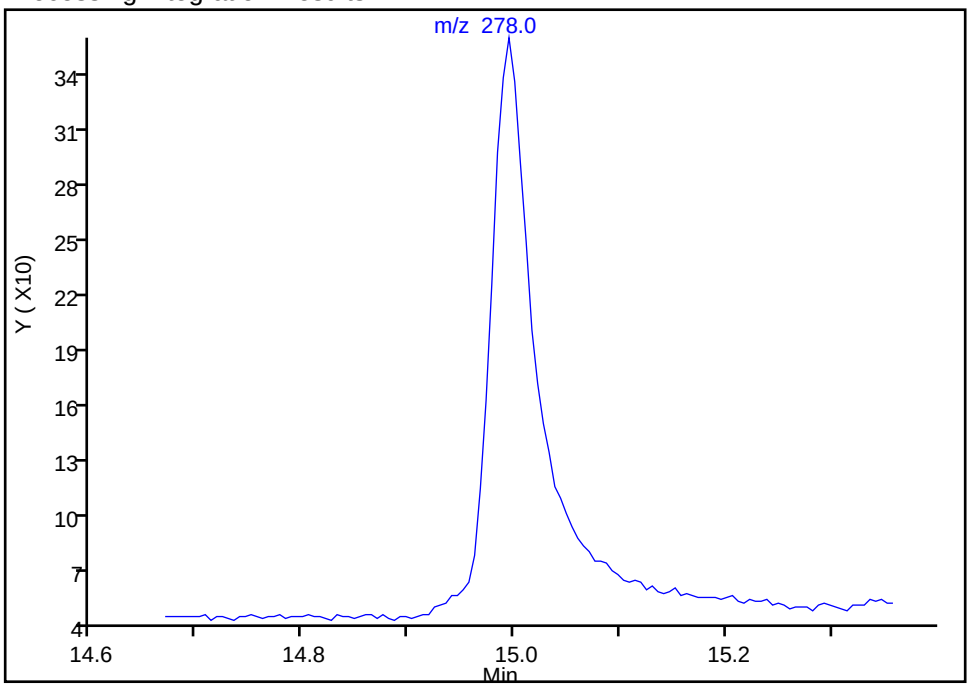
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b024.D				
Injection Date:	14-Jan-2022 04:26:30	Instrument ID:	TAC050		
Lims ID:	std3				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

28 Dibenz(a,h)anthracene, CAS: 53-70-3

Signal: 1

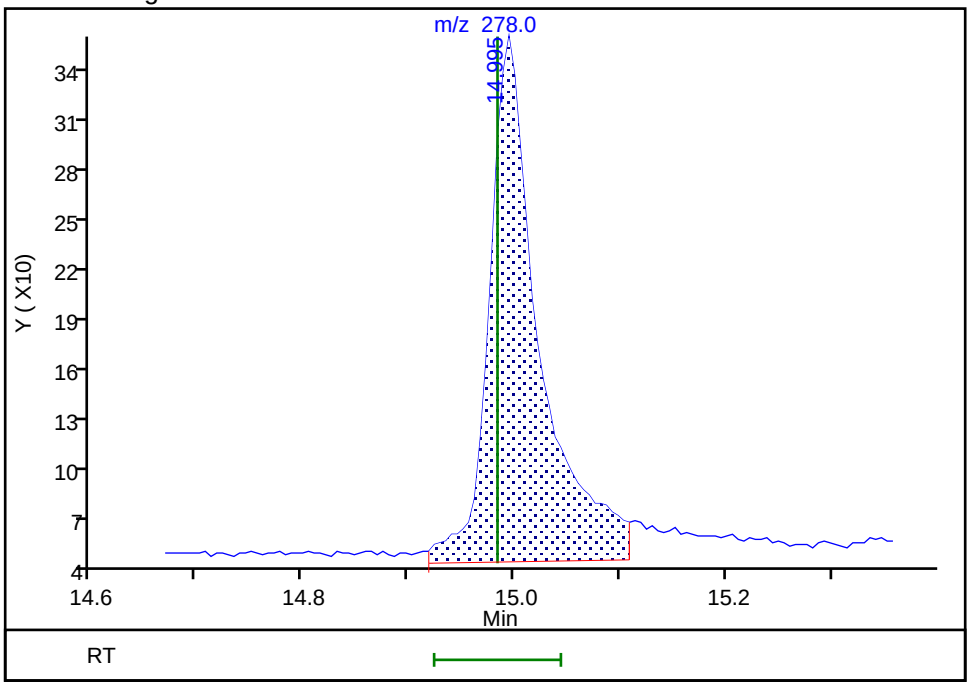
Not Detected
Expected RT: 14.98

Processing Integration Results



Manual Integration Results

RT: 14.99
Area: 1020
Amount: 5.164623
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:27:18
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

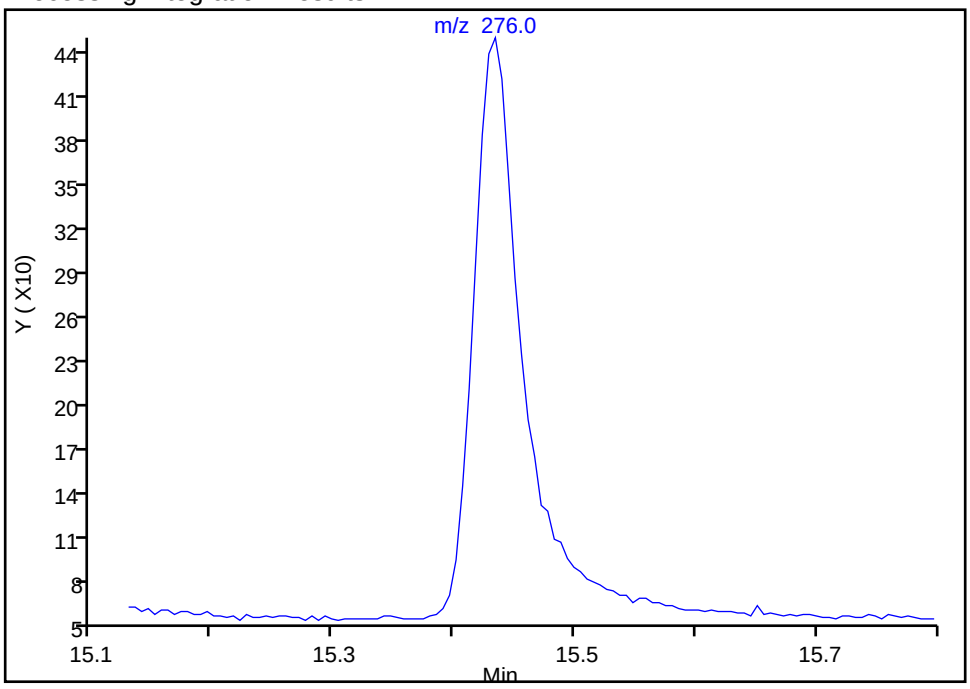
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b024.D				
Injection Date:	14-Jan-2022 04:26:30	Instrument ID:	TAC050		
Lims ID:	std3				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

29 Benzo[g,h,i]perylene, CAS: 191-24-2

Signal: 1

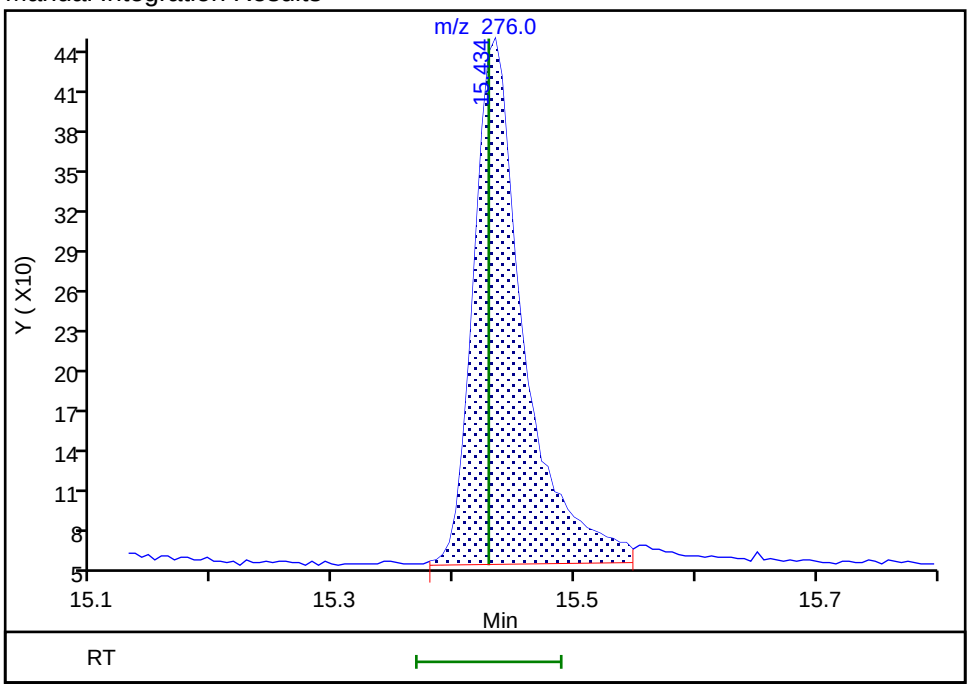
Not Detected
Expected RT: 15.43

Processing Integration Results



Manual Integration Results

RT: 15.43
Area: 1138
Amount: 5.220920
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:27:31
Audit Action: Manually Integrated Audit Reason: Assign Peak

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b025.D
Lims ID: std2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 14-Jan-2022 04:45:30 ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 2
Operator ID: jcm Instrument ID: TAC050
Sublist: chrom-TAC050_SIM_PAH*sub9

Method: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\TAC050_SIM_PAH.m
Limit Group: 8270D_SIM QSM 5.0
Last Update: 14-Jan-2022 15:42:22 Calib Date: 14-Jan-2022 05:04:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D

Column 1 : Det: MS SCAN
Process Host: CTX1628

First Level Reviewer: limmere Date: 14-Jan-2022 10:26:21

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 Naphthalene-d8	136	5.171	5.171	0.000	90	21468	100.0	100.0	
* 2 Acenaphthene-d10	164	6.854	6.854	0.000	69	9515	100.0	100.0	
* 3 Phenanthrene-d10	188	8.319	8.319	0.001	56	14508	100.0	100.0	
* 4 Chrysene-d12	240	11.030	11.030	0.000	49	10882	100.0	100.0	
* 5 Perylene-d12	264	13.079	13.074	0.005	69	13082	100.0	100.0	
$ 6 2-methylnaphthalene-d10	152	5.814	5.809	0.005	67	283	2.00	2.23	M
$ 10 2-Fluorobiphenyl	172	6.193	6.190	0.003	0	336	2.00	2.21	M
$ 7 2,4,6-Tribromophenol	330	7.641	7.628	0.013	49	57	2.00	7.64	M
$ 8 Fluoranthene-d10 (Surr)	212	9.506	9.502	0.004	68	476	2.00	2.00	M
$ 9 Terphenyl-d14	244	9.900	9.896	0.004	94	359	2.00	3.09	M
11 Naphthalene	128	5.189	5.189	0.000	99	508	2.00	2.24	M
12 2-Methylnaphthalene	141	5.841	5.841	0.000	99	282	2.00	2.19	M
13 1-Methylnaphthalene	141	5.937	5.937	0.000	98	274	2.00	2.20	M
14 Acenaphthylene	152	6.717	6.717	0.000	100	422	2.00	2.10	M
15 Acenaphthene	153	6.884	6.884	0.000	90	283	2.00	2.24	M
16 Fluorene	166	7.394	7.389	0.005	95	316	2.00	2.25	M
18 Phenanthrene	178	8.342	8.342	0.000	100	566	2.00	1.97	M
19 Anthracene	178	8.393	8.389	0.004	99	553	2.00	2.09	M
20 Fluoranthene	202	9.526	9.522	0.004	52	571	2.00	1.99	M
21 Pyrene	202	9.750	9.746	0.004	51	611	2.00	1.98	M
22 Benzo[a]anthracene	228	11.017	11.012	0.005	26	524	2.00	2.04	M
23 Chrysene	228	11.058	11.057	0.001	99	561	2.00	1.96	M
30 Bis(2-ethylhexyl) phthalate	149	11.895	11.895	0.000	0	509	2.00	2.07	M
24 Benzo[b]fluoranthene	252	12.475	12.470	0.005	97	491	2.00	2.06	M
25 Benzo[k]fluoranthene	252	12.516	12.511	0.005	95	540	2.00	2.04	M
26 Benzo[a]pyrene	252	12.987	12.983	0.004	97	494	2.00	2.09	M
27 Indeno[1,2,3-cd]pyrene	276	14.946	14.935	0.011	94	365	2.00	2.77	M
28 Dibenz(a,h)anthracene	278	15.000	14.984	0.016	95	429	2.00	2.01	M
29 Benzo[g,h,i]perylene	276	15.440	15.429	0.011	94	497	2.00	2.07	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

8270SIM_IS_00069	Amount Added:	9.60	Units: uL
8270ccvl_50_00039	Amount Added:	40.00	Units: uL

Report Date: 14-Jan-2022 15:42:23 Chrom Revision: 2.3 03-Jan-2022 17:03:12

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b025.D

Injection Date: 14-Jan-2022 04:45:30 Instrument ID: TAC050

Lims ID: std2

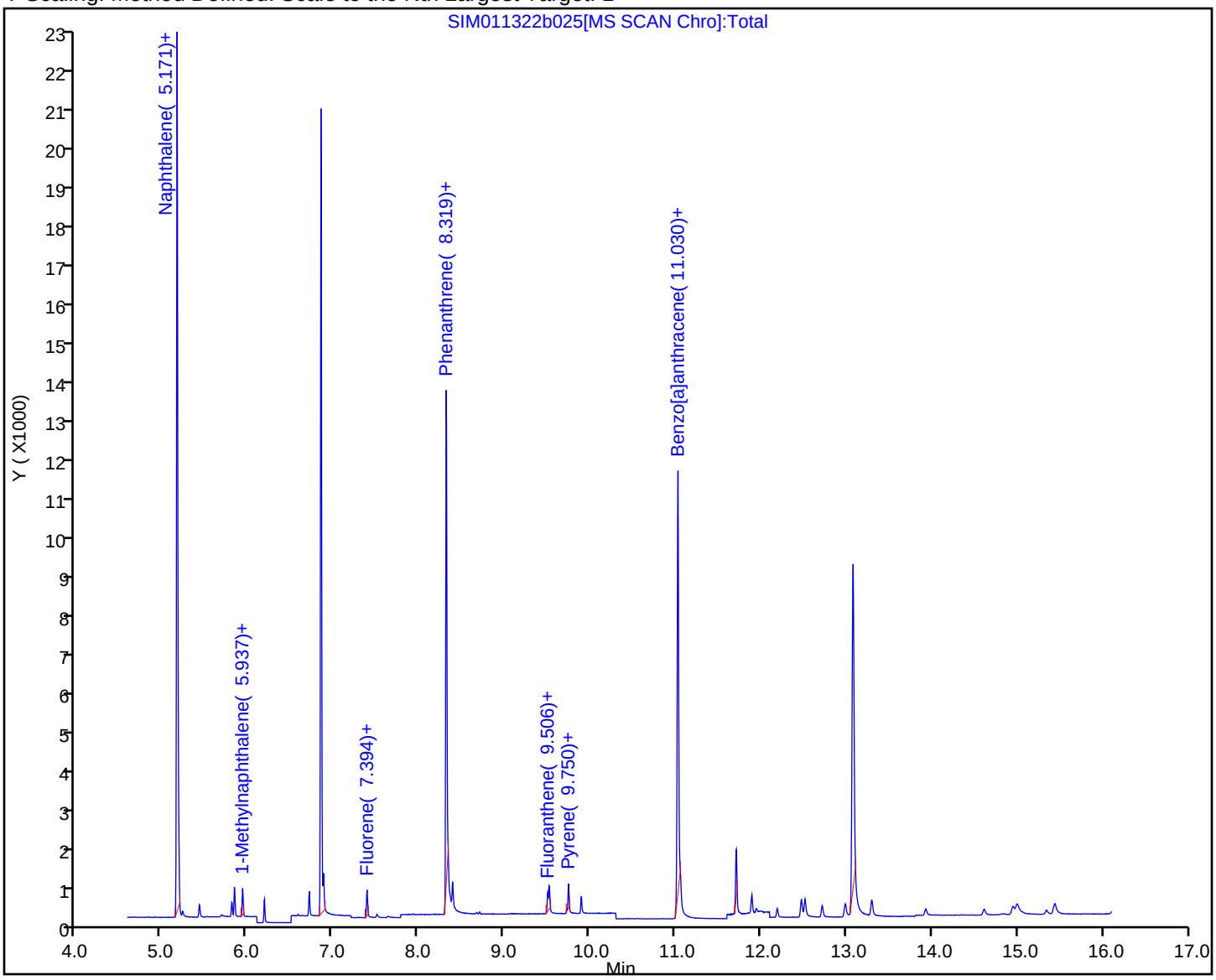
Client ID:

Operator ID: jcm ALS Bottle#: 15 Worklist Smp#: 15

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Seattle

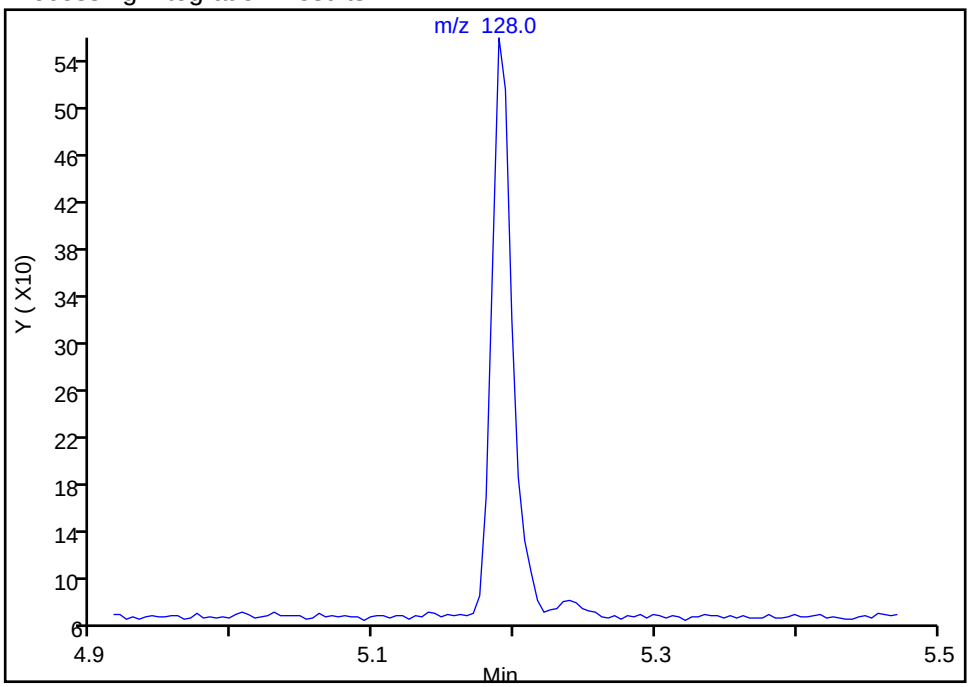
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b025.D
Injection Date: 14-Jan-2022 04:45:30 Instrument ID: TAC050
Lims ID: std2
Client ID:
Operator ID: jcm ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

11 Naphthalene, CAS: 91-20-3

Signal: 1

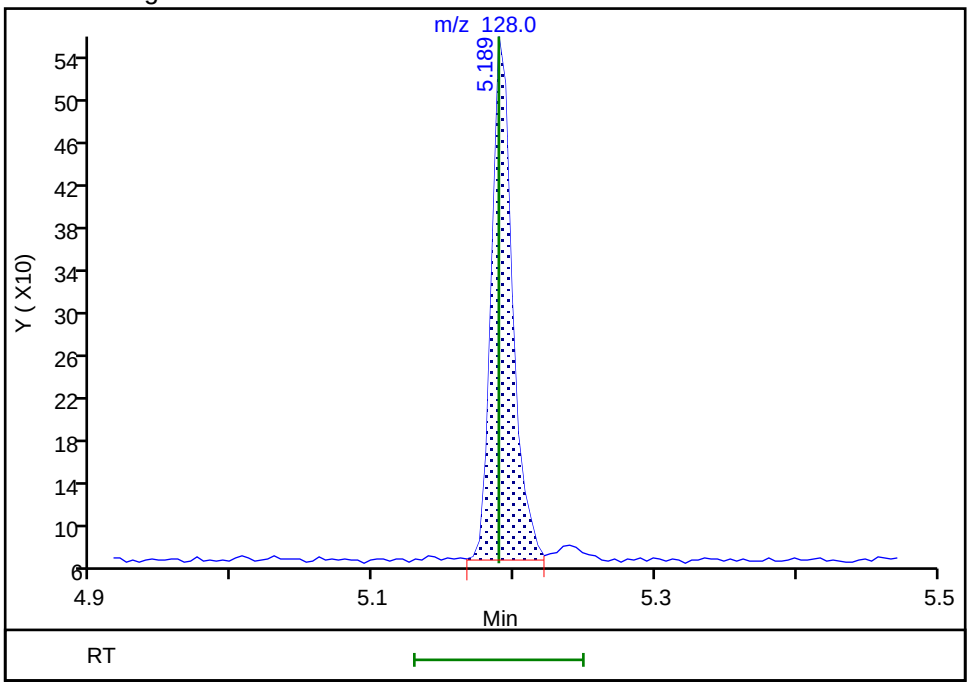
Not Detected
Expected RT: 5.19

Processing Integration Results



Manual Integration Results

RT: 5.19
Area: 508
Amount: 2.237327
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:29:32
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

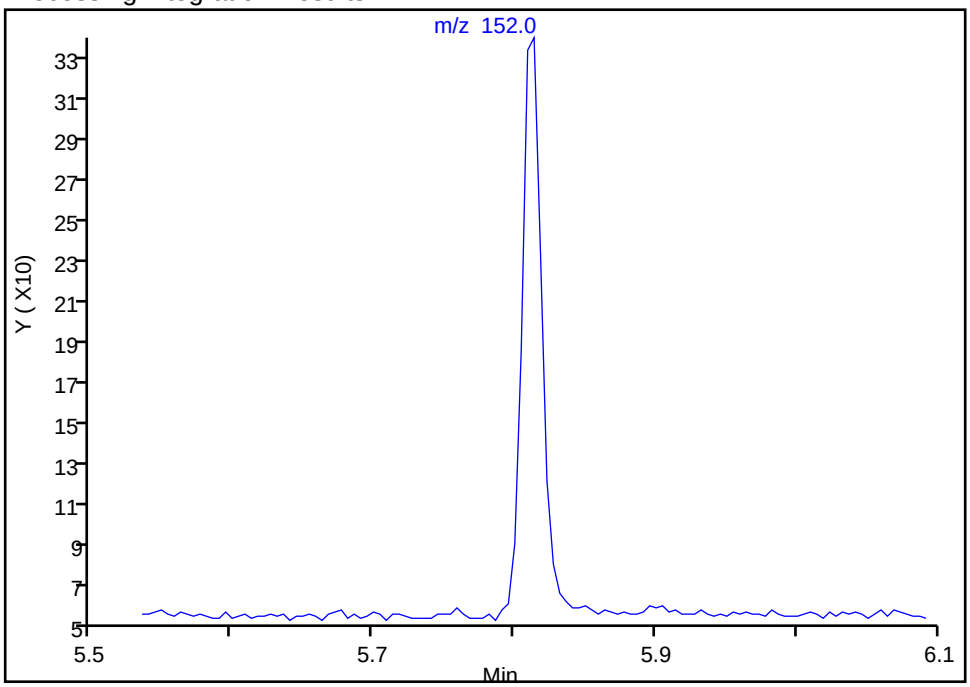
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b025.D
Injection Date: 14-Jan-2022 04:45:30 Instrument ID: TAC050
Lims ID: std2
Client ID:
Operator ID: jcm ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

$ 6 2-methylnaphthalene-d10, CAS: 7297-45-2

Signal: 1

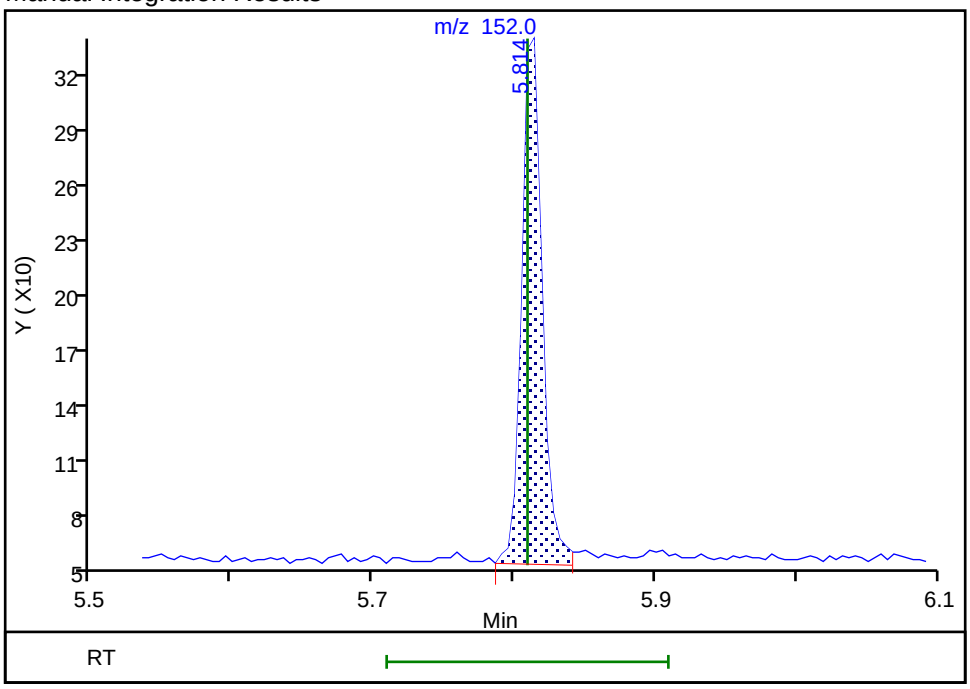
Not Detected
Expected RT: 5.81

Processing Integration Results



Manual Integration Results

RT: 5.81
Area: 283
Amount: 2.228279
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:28:52
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

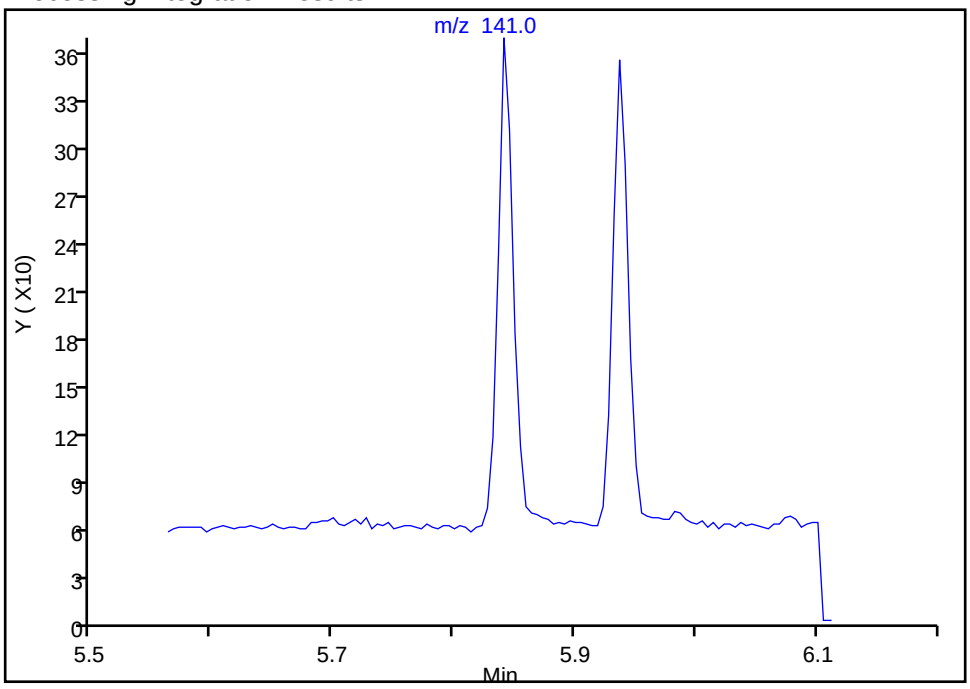
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b025.D				
Injection Date:	14-Jan-2022 04:45:30	Instrument ID:	TAC050		
Lims ID:	std2				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

12 2-Methylnaphthalene, CAS: 91-57-6

Signal: 1

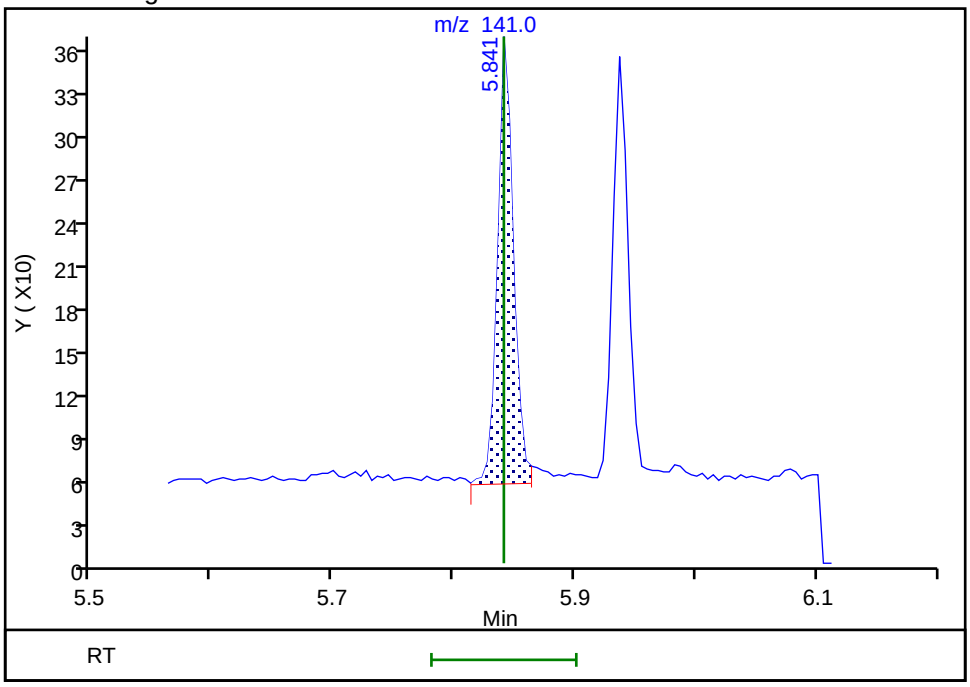
Not Detected
Expected RT: 5.84

Processing Integration Results



Manual Integration Results

RT: 5.84
Area: 282
Amount: 2.189937
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:30:38
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

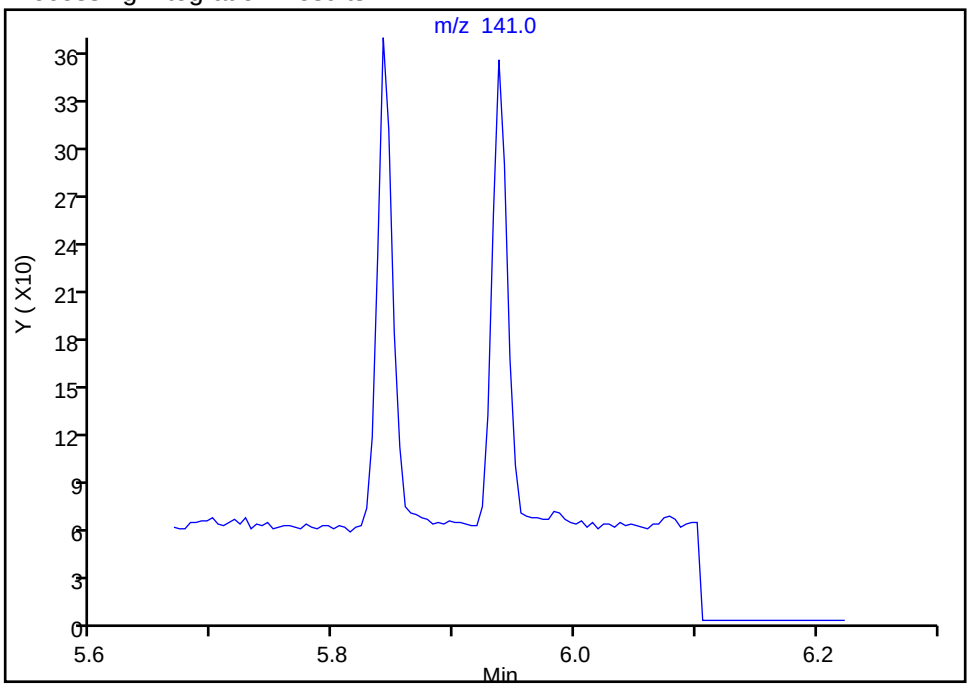
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b025.D
Injection Date: 14-Jan-2022 04:45:30 Instrument ID: TAC050
Lims ID: std2
Client ID:
Operator ID: jcm ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

13 1-Methylnaphthalene, CAS: 90-12-0

Signal: 1

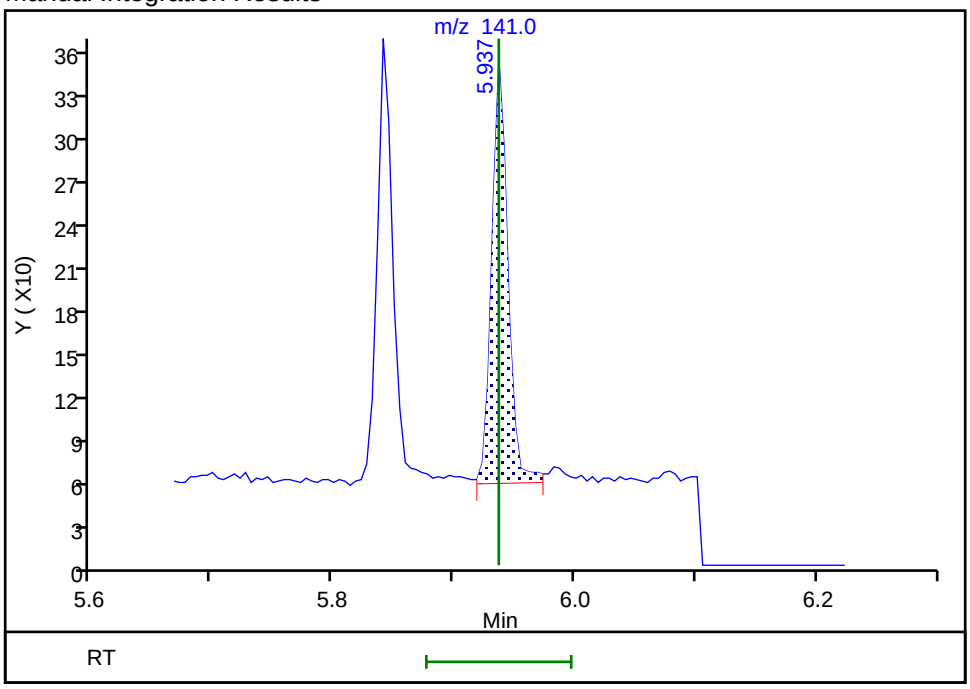
Not Detected
Expected RT: 5.94

Processing Integration Results



Manual Integration Results

RT: 5.94
Area: 274
Amount: 2.196760
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:30:42
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

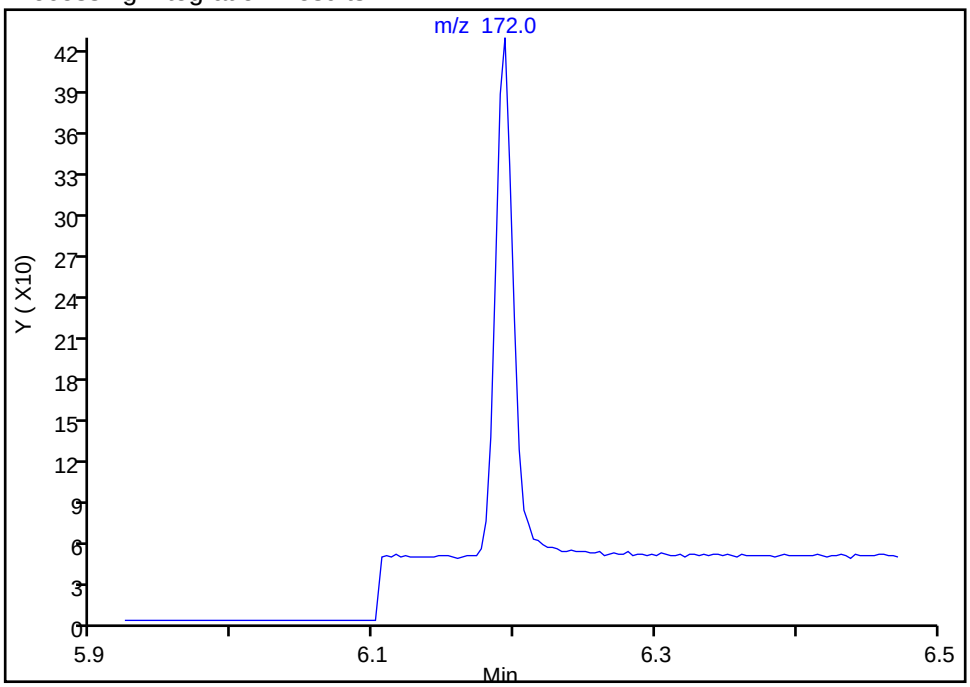
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b025.D
Injection Date: 14-Jan-2022 04:45:30 Instrument ID: TAC050
Lims ID: std2
Client ID:
Operator ID: jcm ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

$ 10 2-Fluorobiphenyl, CAS: 321-60-8

Signal: 1

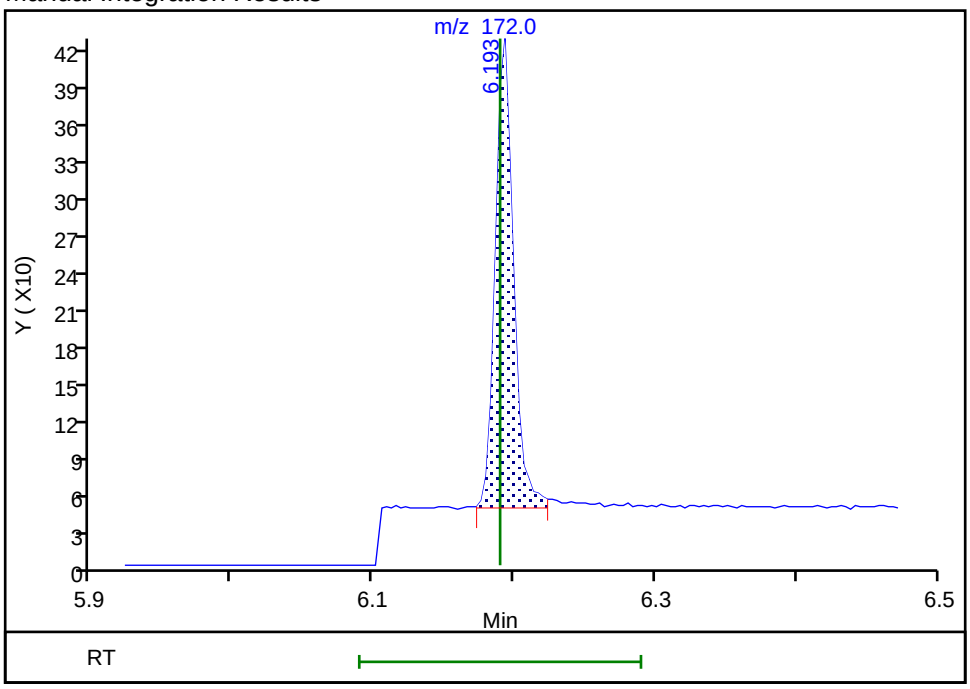
Not Detected
Expected RT: 6.19

Processing Integration Results



Manual Integration Results

RT: 6.19
Area: 336
Amount: 2.206796
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:29:01
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

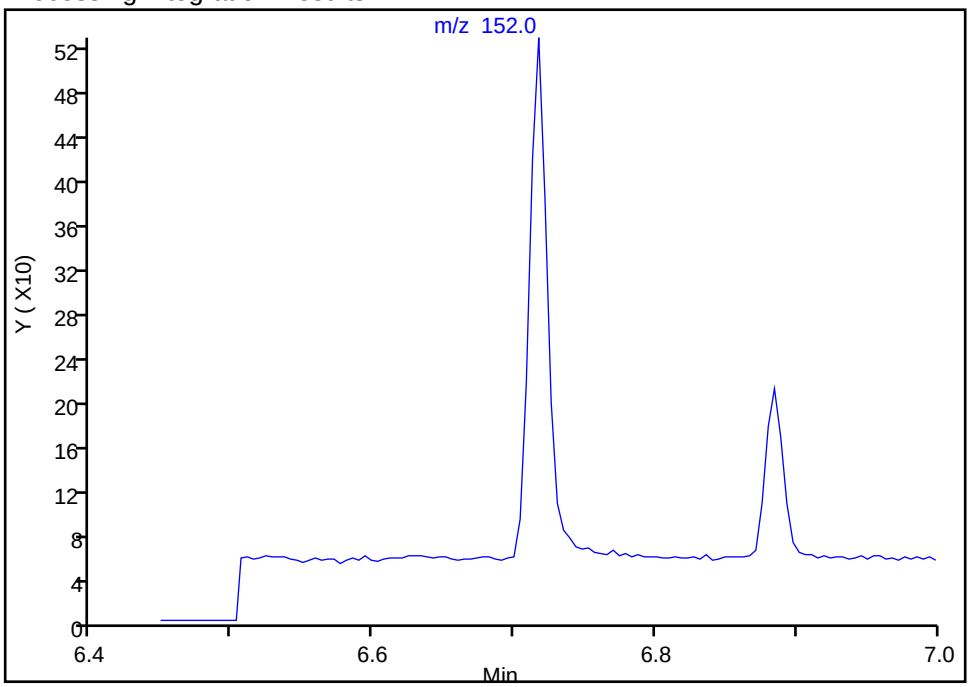
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b025.D				
Injection Date:	14-Jan-2022 04:45:30	Instrument ID:	TAC050		
Lims ID:	std2				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

14 Acenaphthylene, CAS: 208-96-8

Signal: 1

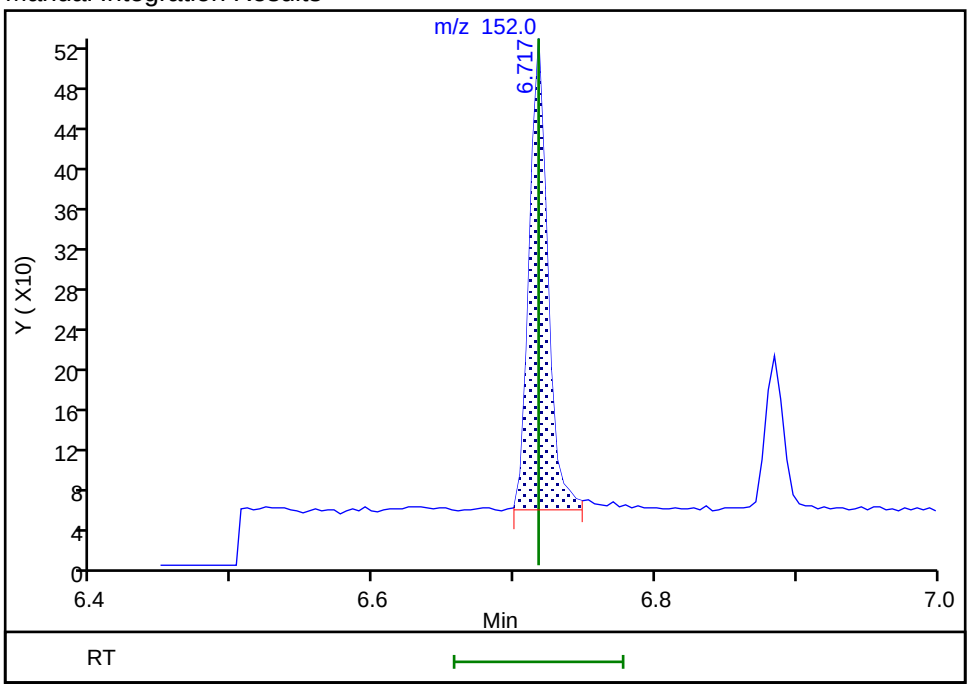
Not Detected
Expected RT: 6.72

Processing Integration Results



Manual Integration Results

RT: 6.72
Area: 422
Amount: 2.097831
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:30:47
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

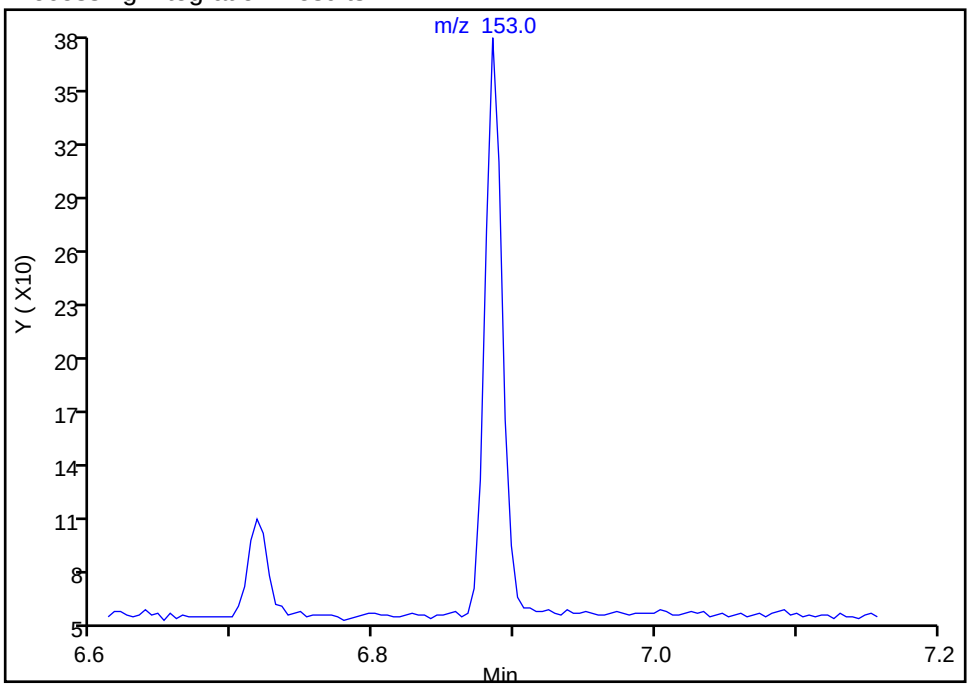
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b025.D				
Injection Date:	14-Jan-2022 04:45:30	Instrument ID:	TAC050		
Lims ID:	std2				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

15 Acenaphthene, CAS: 83-32-9

Signal: 1

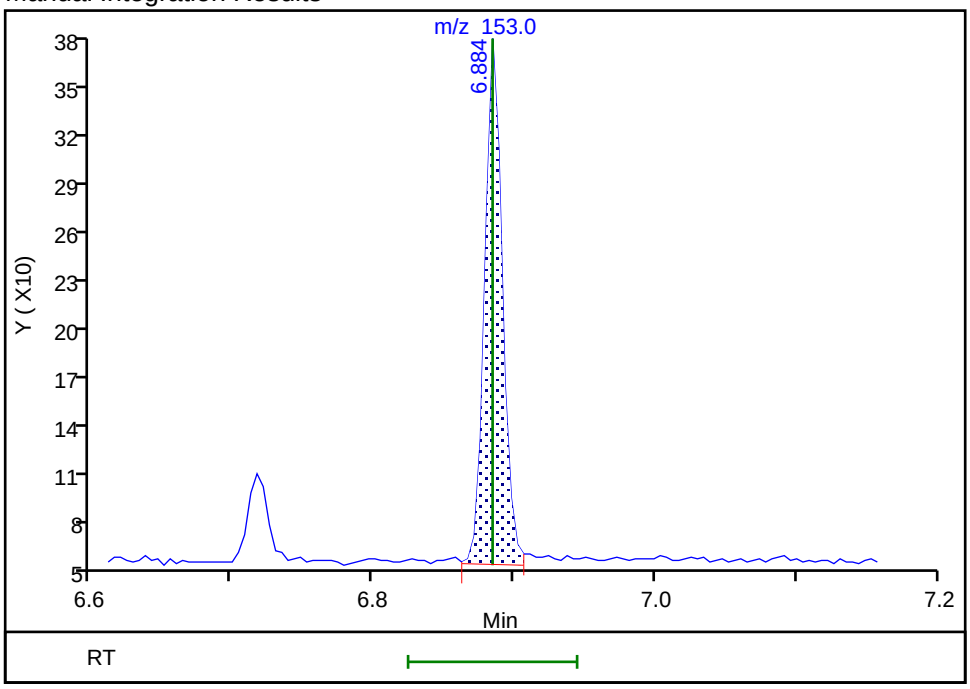
Not Detected
Expected RT: 6.88

Processing Integration Results



Manual Integration Results

RT: 6.88
Area: 283
Amount: 2.241789
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:30:51
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

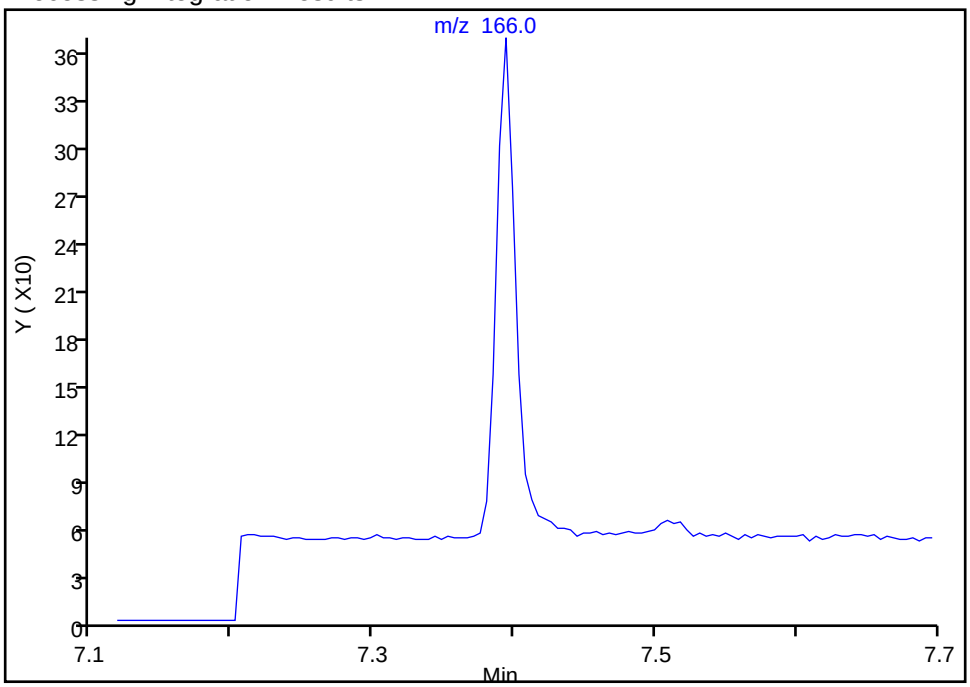
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b025.D
Injection Date: 14-Jan-2022 04:45:30 Instrument ID: TAC050
Lims ID: std2
Client ID:
Operator ID: jcm ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

16 Fluorene, CAS: 86-73-7

Signal: 1

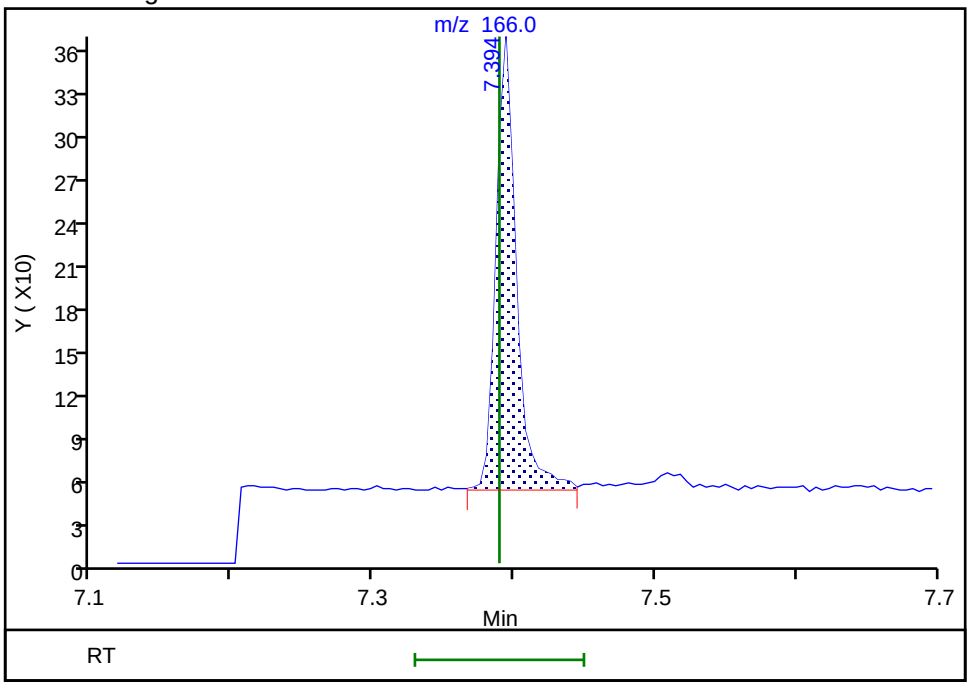
Not Detected
Expected RT: 7.39

Processing Integration Results



Manual Integration Results

RT: 7.39
Area: 316
Amount: 2.245311
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:31:00
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

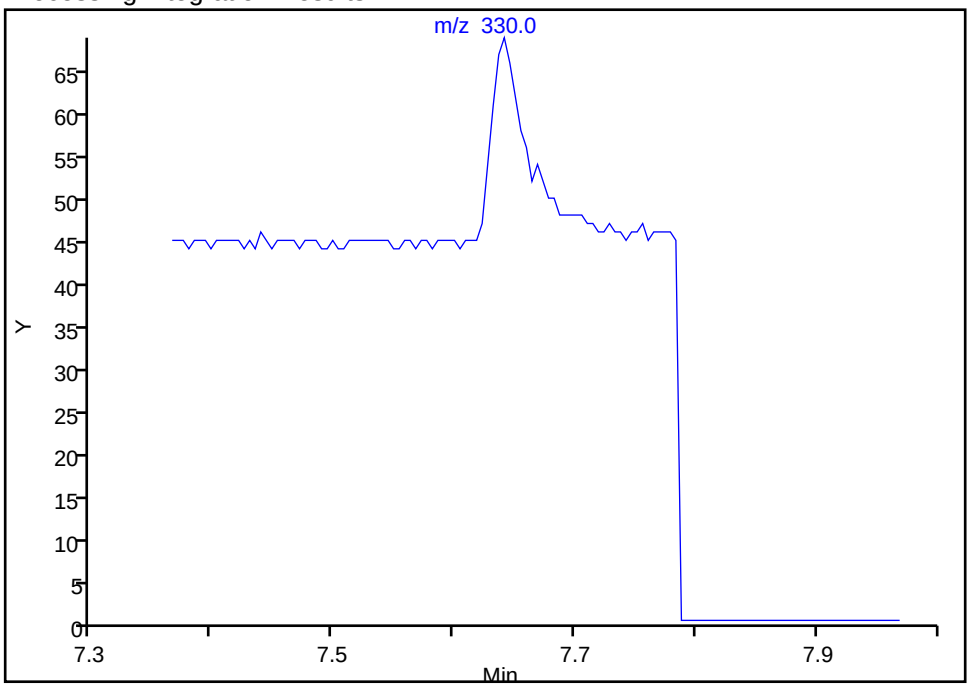
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b025.D
Injection Date: 14-Jan-2022 04:45:30 Instrument ID: TAC050
Lims ID: std2
Client ID:
Operator ID: jcm ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

$ 7 2,4,6-Tribromophenol, CAS: 118-79-6

Signal: 1

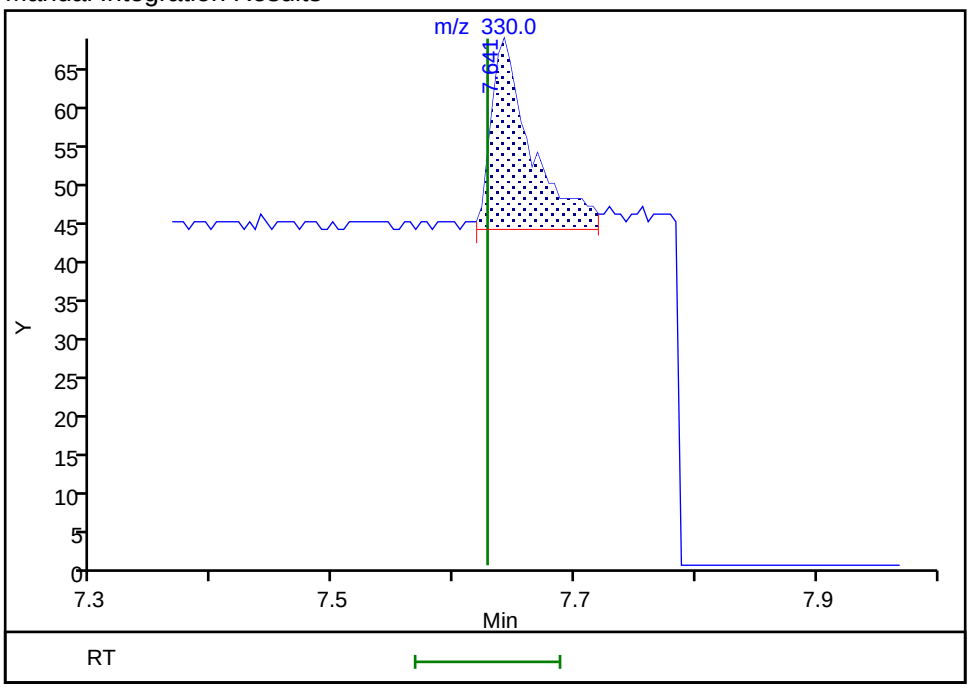
Not Detected
Expected RT: 7.63

Processing Integration Results



Manual Integration Results

RT: 7.64
Area: 57
Amount: 7.642771
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:29:07
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

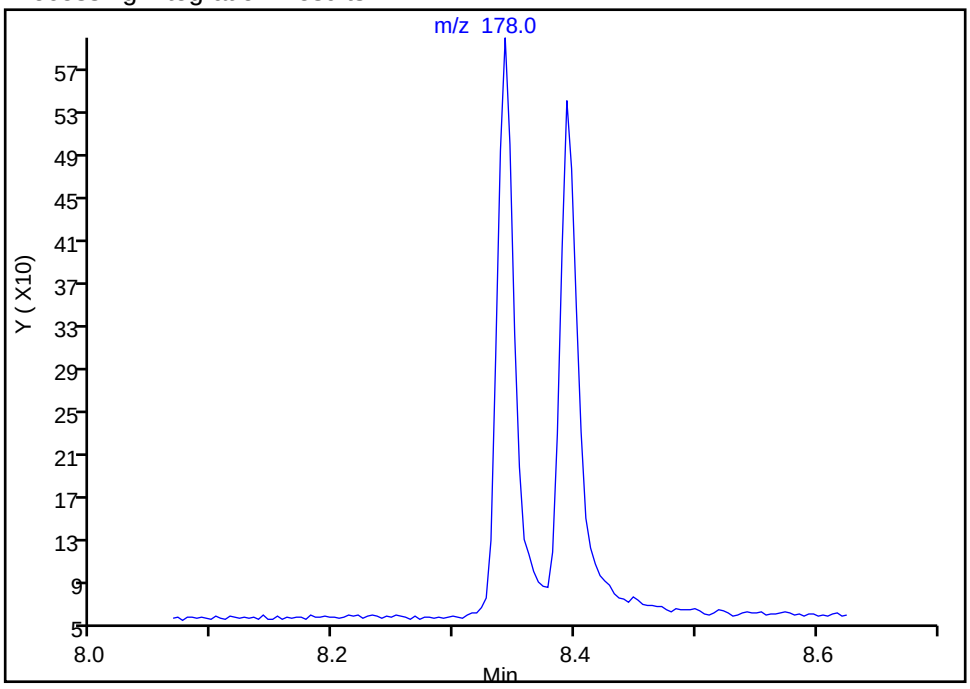
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b025.D				
Injection Date:	14-Jan-2022 04:45:30	Instrument ID:	TAC050		
Lims ID:	std2				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

18 Phenanthrene, CAS: 85-01-8

Signal: 1

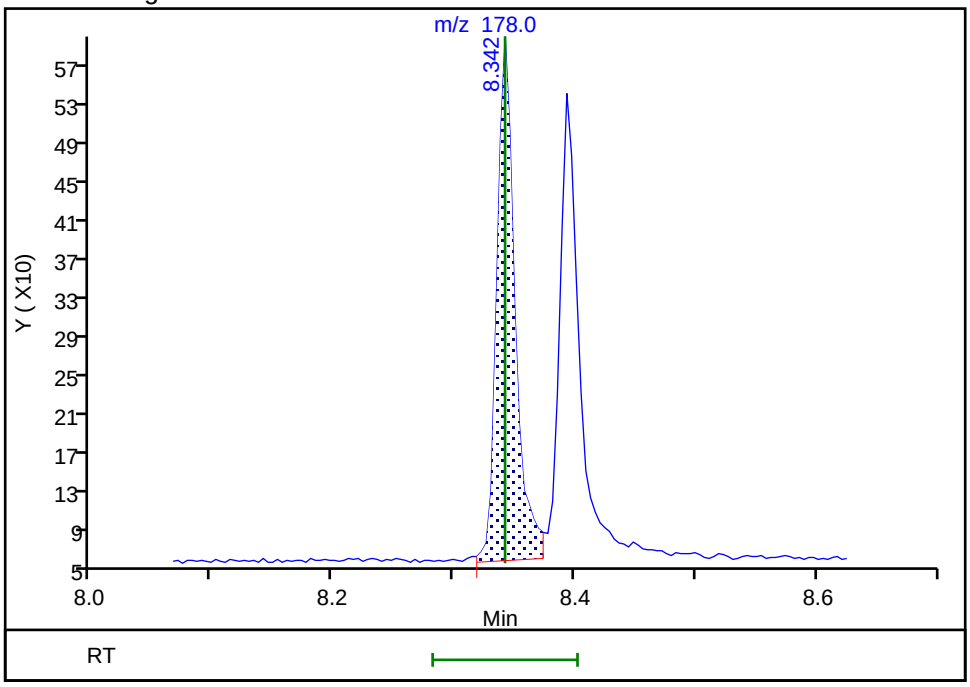
Not Detected
Expected RT: 8.34

Processing Integration Results



Manual Integration Results

RT: 8.34
Area: 566
Amount: 1.967126
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:31:27
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

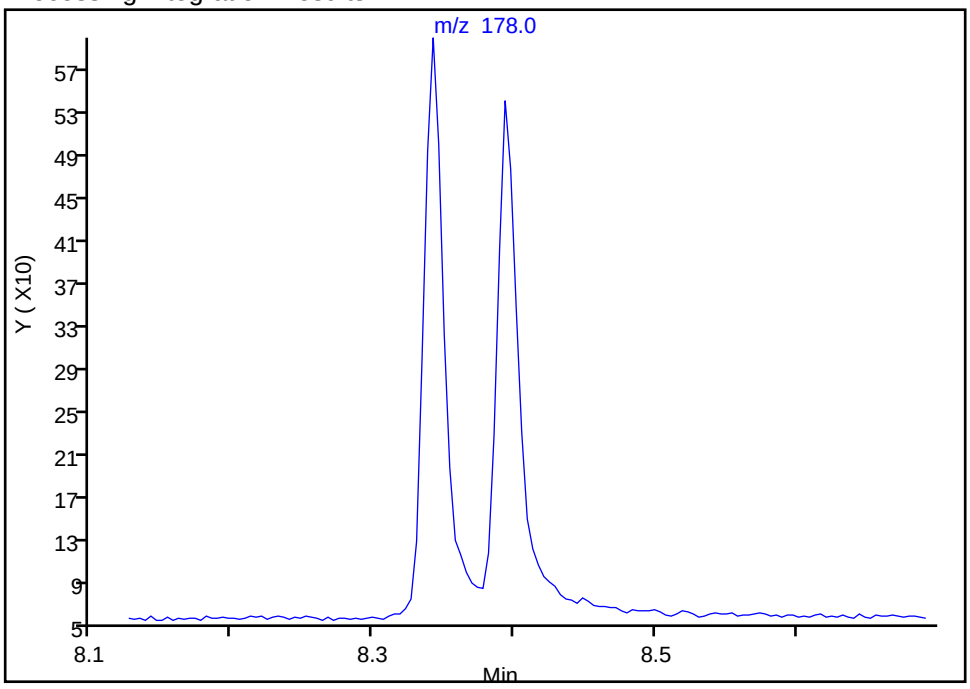
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b025.D				
Injection Date:	14-Jan-2022 04:45:30	Instrument ID:	TAC050		
Lims ID:	std2				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

19 Anthracene, CAS: 120-12-7

Signal: 1

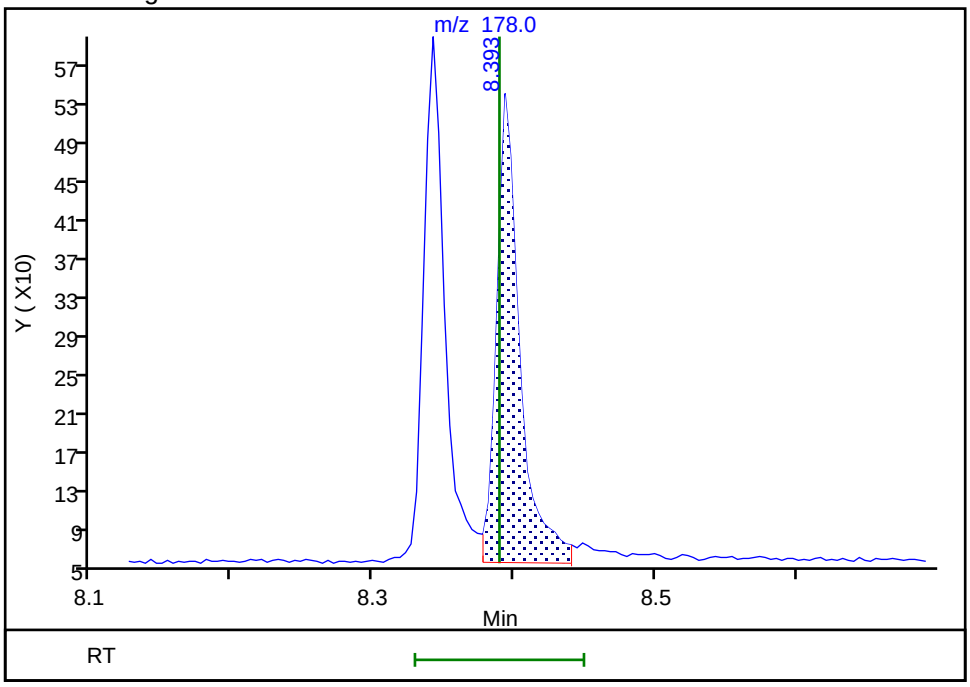
Not Detected
Expected RT: 8.39

Processing Integration Results



Manual Integration Results

RT: 8.39
Area: 553
Amount: 2.094955
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:31:35
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

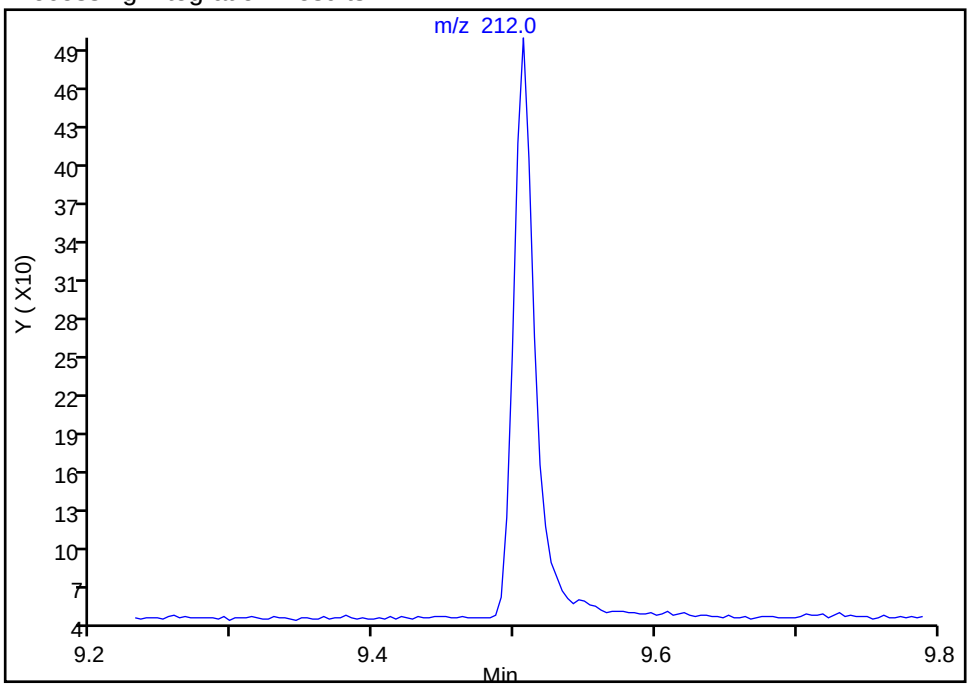
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b025.D				
Injection Date:	14-Jan-2022 04:45:30	Instrument ID:	TAC050		
Lims ID:	std2				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

$ 8 Fluoranthene-d10 (Surr), CAS: 93951-69-0

Signal: 1

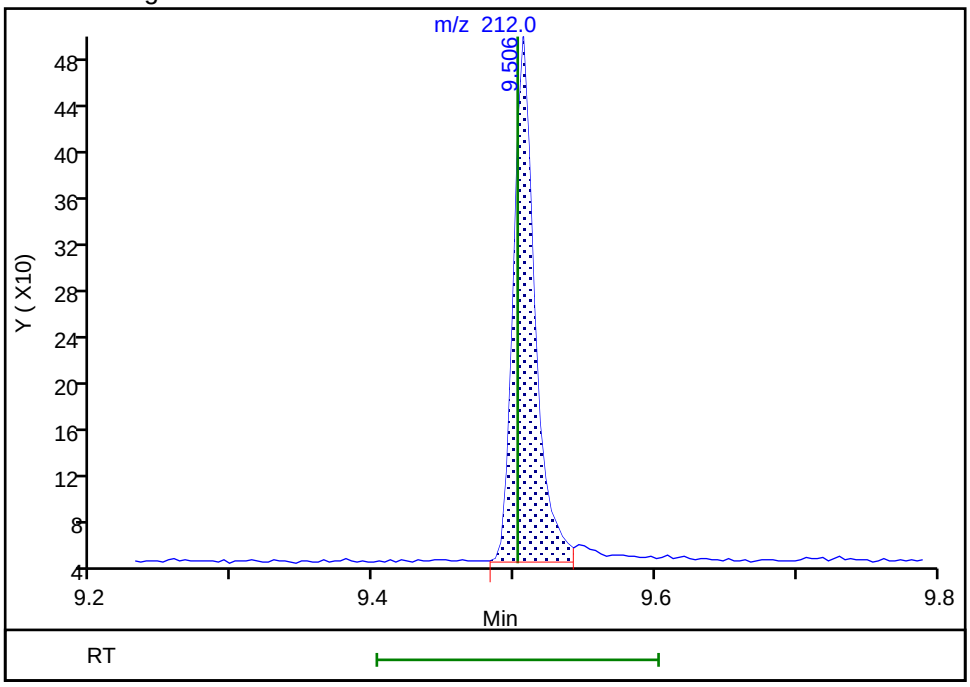
Not Detected
Expected RT: 9.50

Processing Integration Results



Manual Integration Results

RT: 9.51
Area: 476
Amount: 2.003238
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:29:12
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

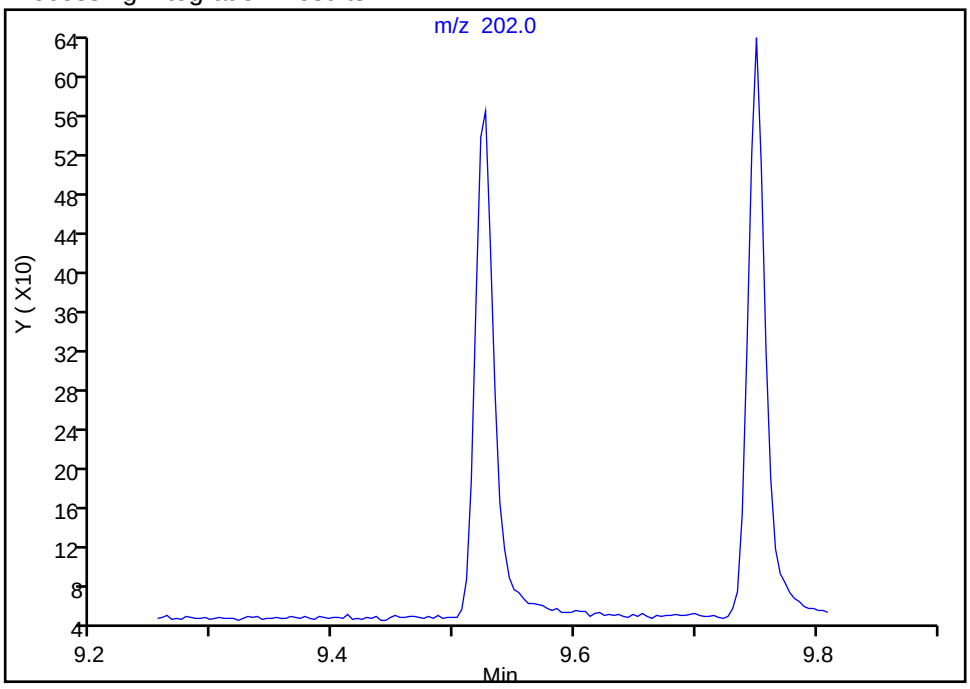
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b025.D				
Injection Date:	14-Jan-2022 04:45:30	Instrument ID:	TAC050		
Lims ID:	std2				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

20 Fluoranthene, CAS: 206-44-0

Signal: 1

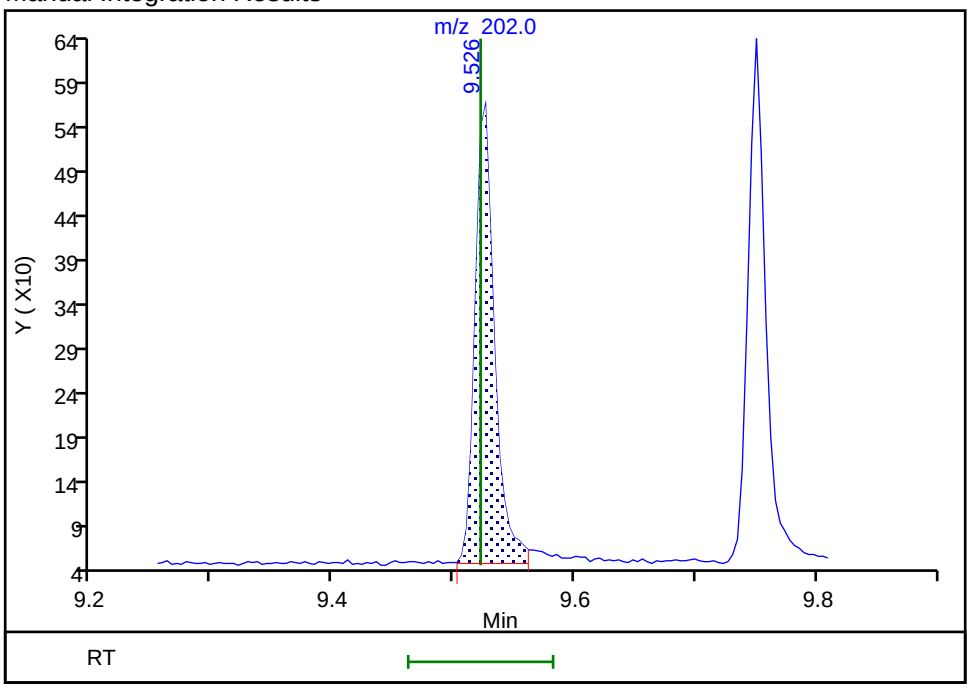
Not Detected
Expected RT: 9.52

Processing Integration Results



Manual Integration Results

RT: 9.53
Area: 571
Amount: 1.994015
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:31:48
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

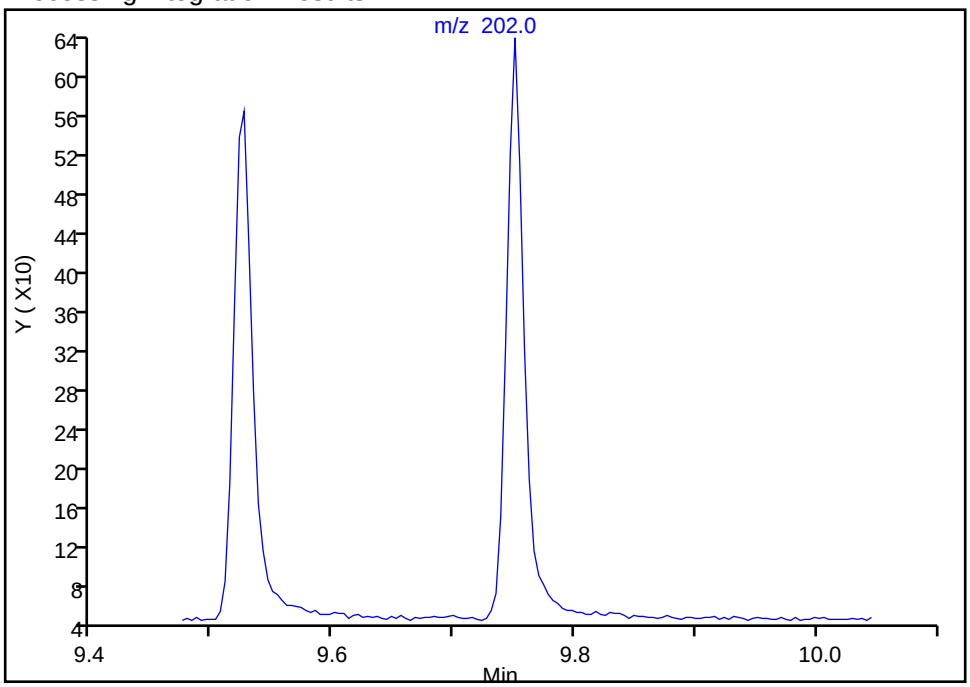
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b025.D				
Injection Date:	14-Jan-2022 04:45:30	Instrument ID:	TAC050		
Lims ID:	std2				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

21 Pyrene, CAS: 129-00-0

Signal: 1

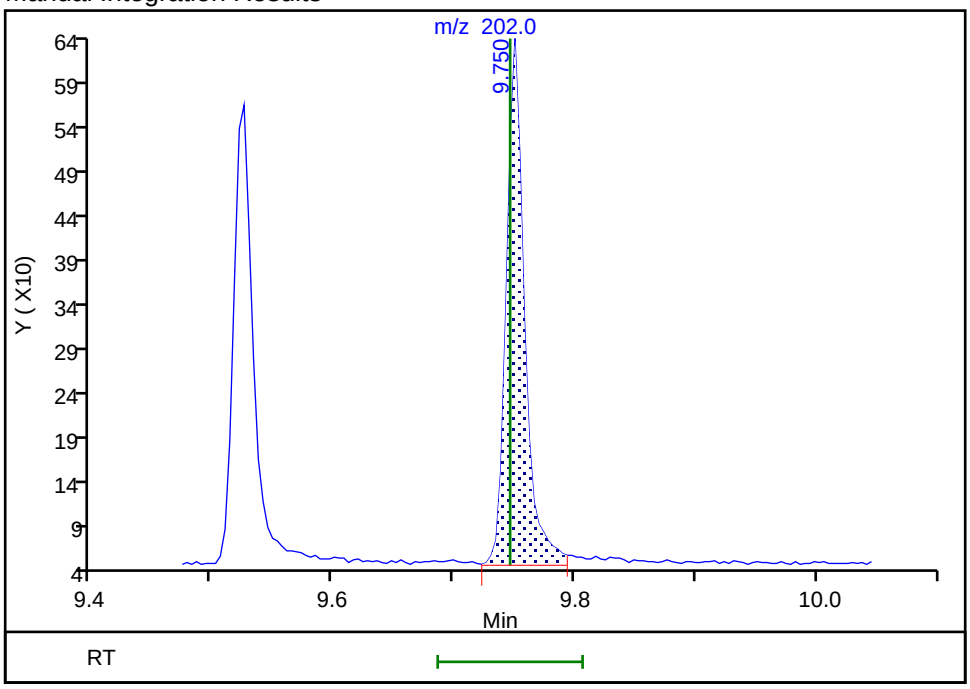
Not Detected
Expected RT: 9.75

Processing Integration Results



Manual Integration Results

RT: 9.75
Area: 611
Amount: 1.982742
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:31:58
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

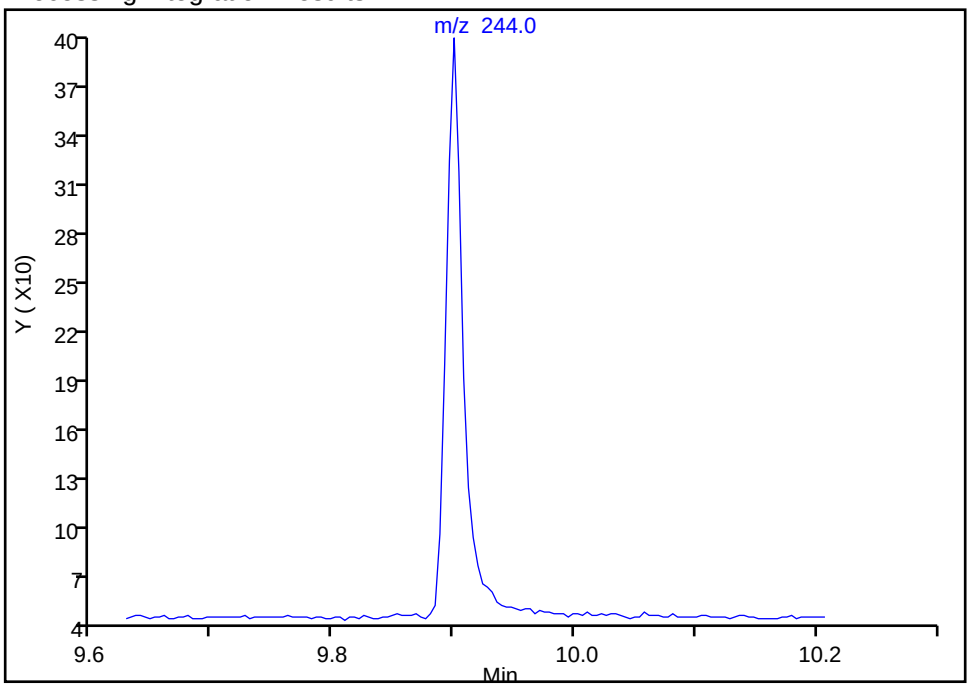
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b025.D
Injection Date: 14-Jan-2022 04:45:30 Instrument ID: TAC050
Lims ID: std2
Client ID:
Operator ID: jcm ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

$ 9 Terphenyl-d14, CAS: 1718-51-0

Signal: 1

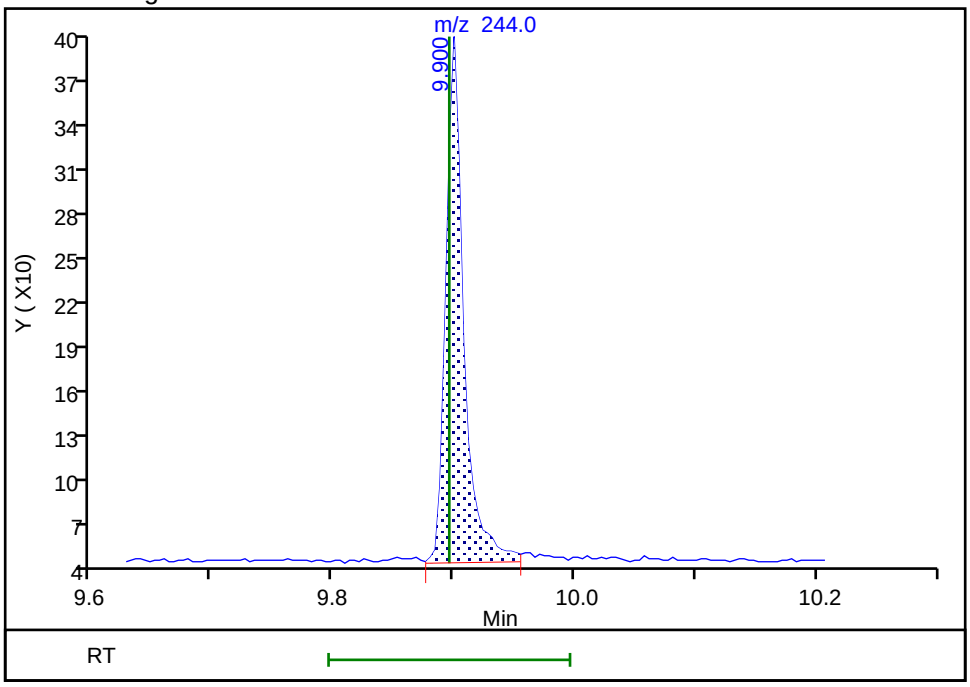
Not Detected
Expected RT: 9.90

Processing Integration Results



Manual Integration Results

RT: 9.90
Area: 359
Amount: 3.087528
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:29:20
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

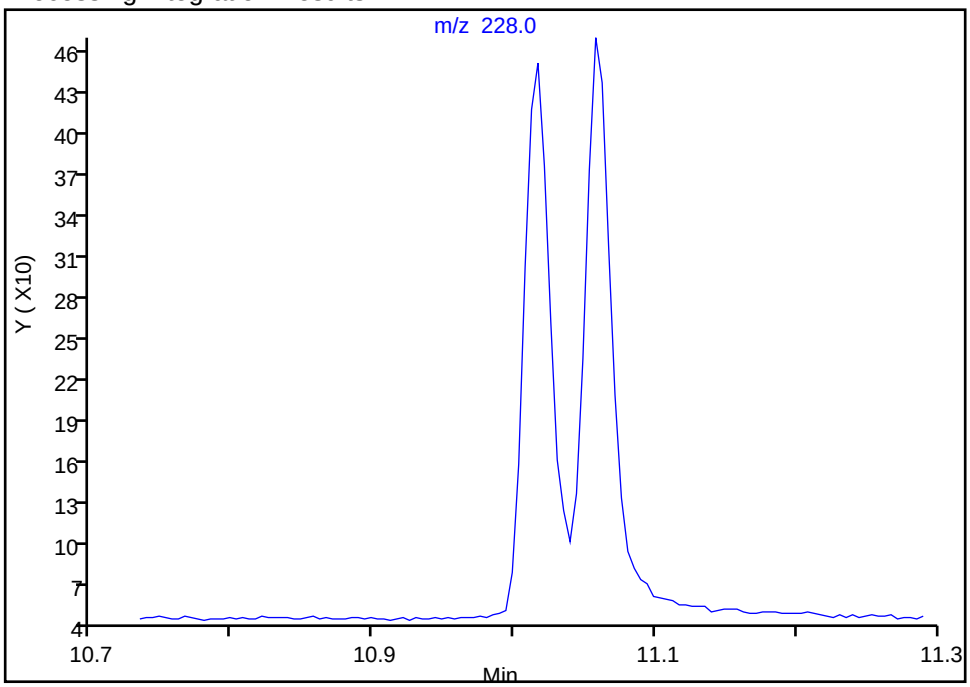
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b025.D				
Injection Date:	14-Jan-2022 04:45:30	Instrument ID:	TAC050		
Lims ID:	std2				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

22 Benzo[a]anthracene, CAS: 56-55-3

Signal: 1

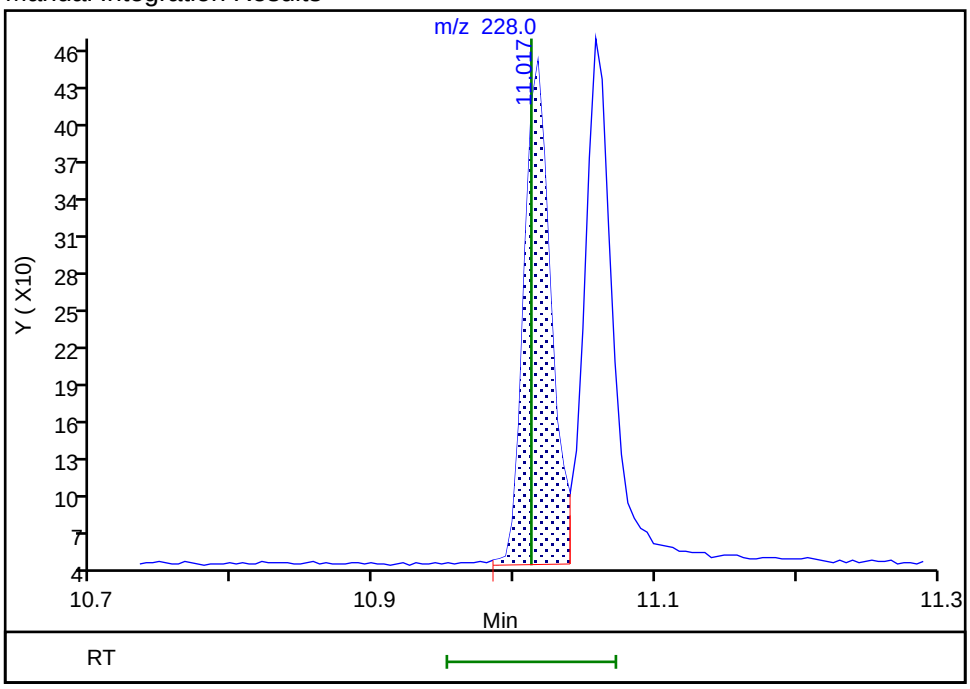
Not Detected
Expected RT: 11.01

Processing Integration Results



Manual Integration Results

RT: 11.02
Area: 524
Amount: 2.042284
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:32:08
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

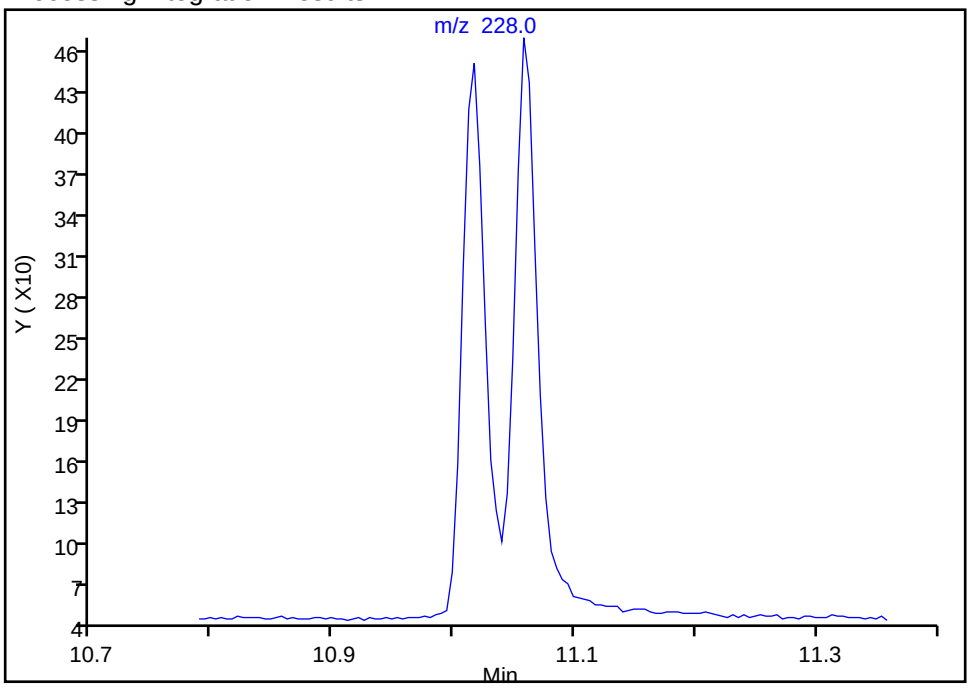
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b025.D
Injection Date: 14-Jan-2022 04:45:30 Instrument ID: TAC050
Lims ID: std2
Client ID:
Operator ID: jcm ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

23 Chrysene, CAS: 218-01-9

Signal: 1

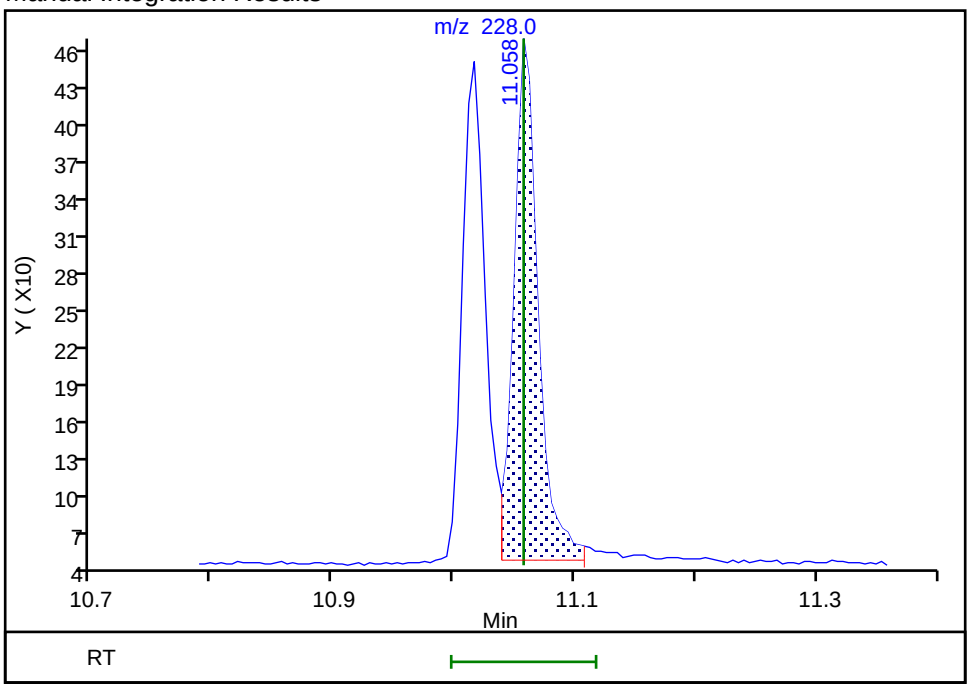
Not Detected
Expected RT: 11.06

Processing Integration Results



Manual Integration Results

RT: 11.06
Area: 561
Amount: 1.956936
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:32:13
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

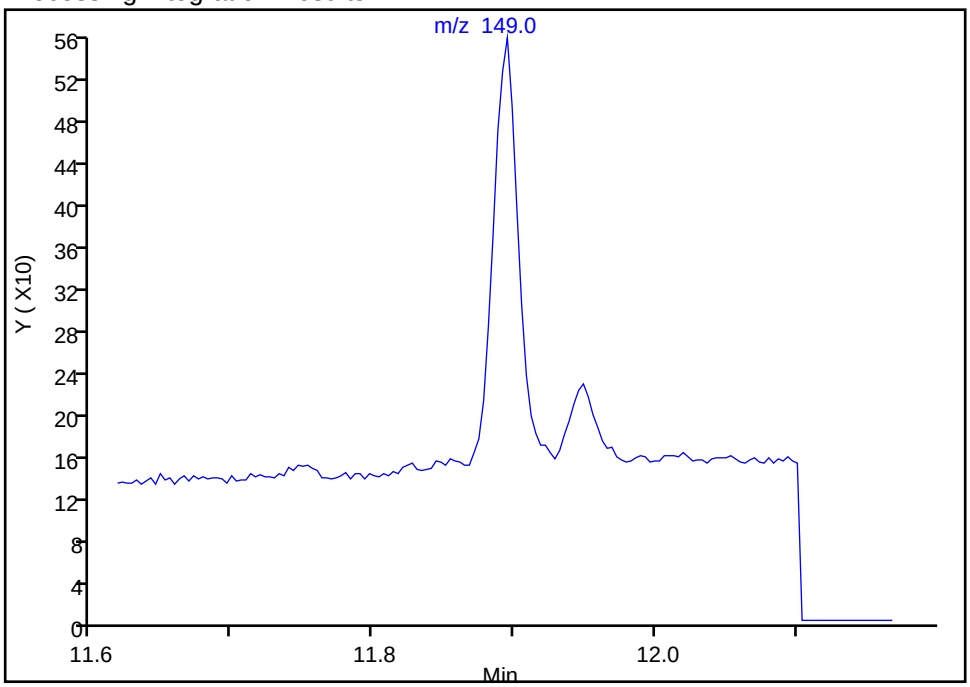
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b025.D				
Injection Date:	14-Jan-2022 04:45:30	Instrument ID:	TAC050		
Lims ID:	std2				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

30 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7

Signal: 1

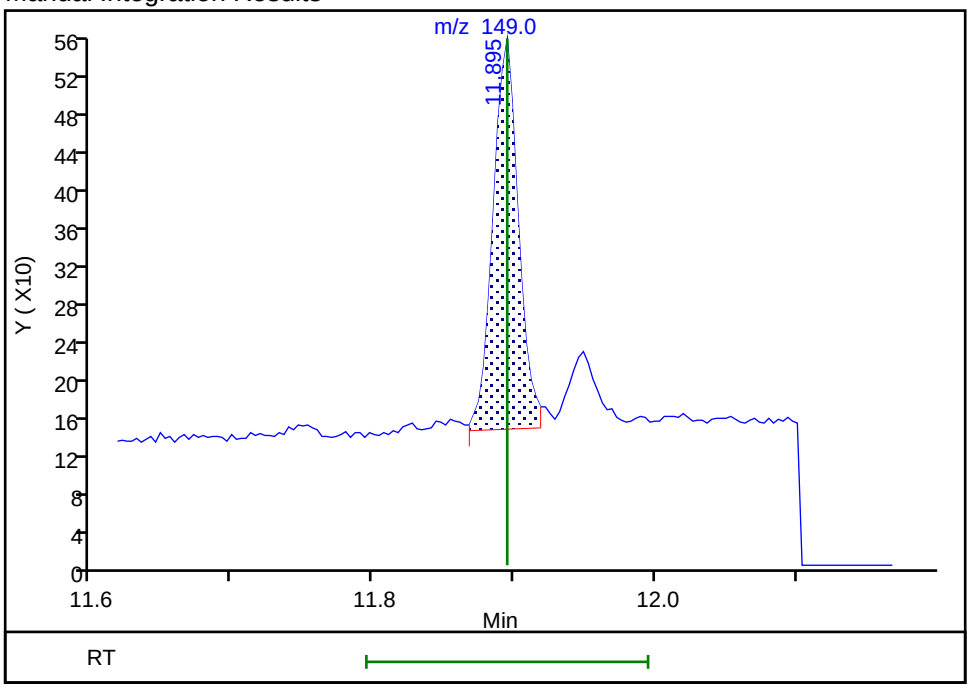
Not Detected
Expected RT: 11.89

Processing Integration Results



Manual Integration Results

RT: 11.89
Area: 509
Amount: 2.068430
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:32:19
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

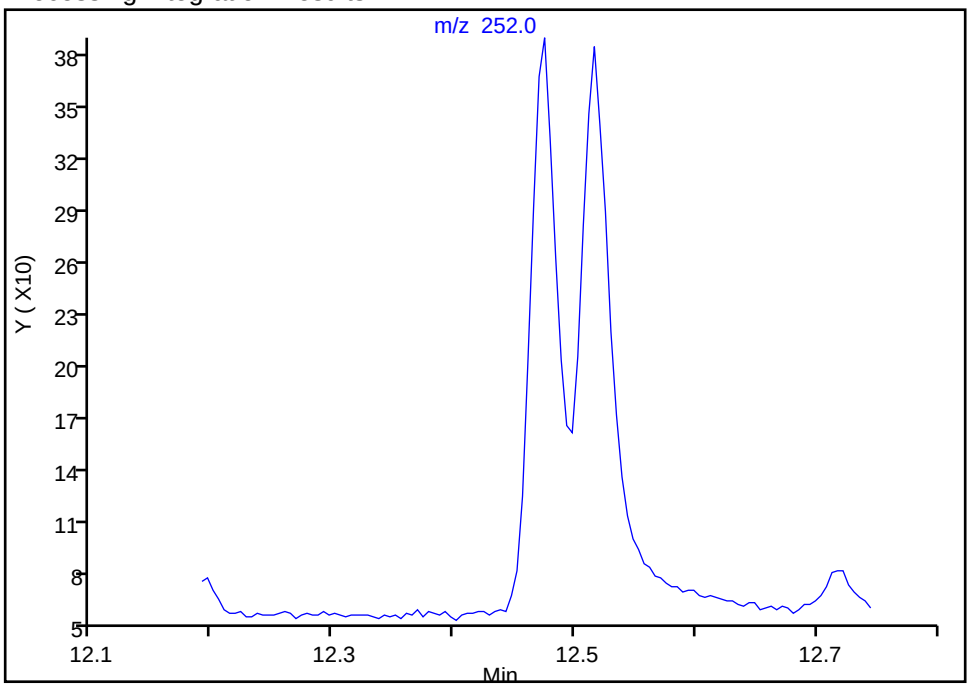
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b025.D				
Injection Date:	14-Jan-2022 04:45:30	Instrument ID:	TAC050		
Lims ID:	std2				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

24 Benzo[b]fluoranthene, CAS: 205-99-2

Signal: 1

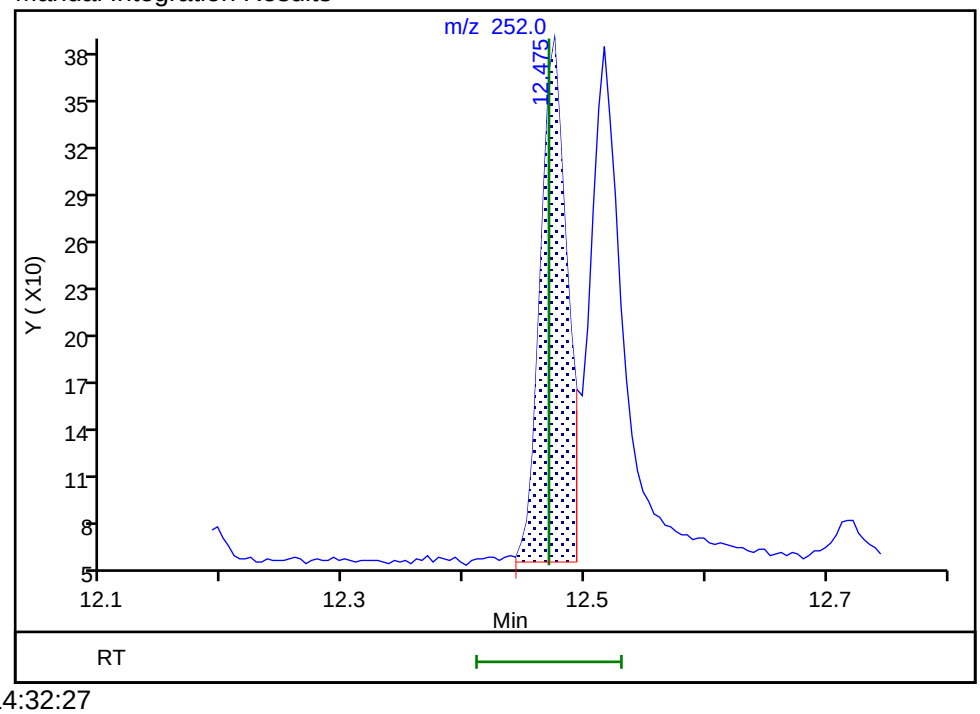
Not Detected
Expected RT: 12.47

Processing Integration Results



Manual Integration Results

RT: 12.47
Area: 491
Amount: 2.064597
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:32:27
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

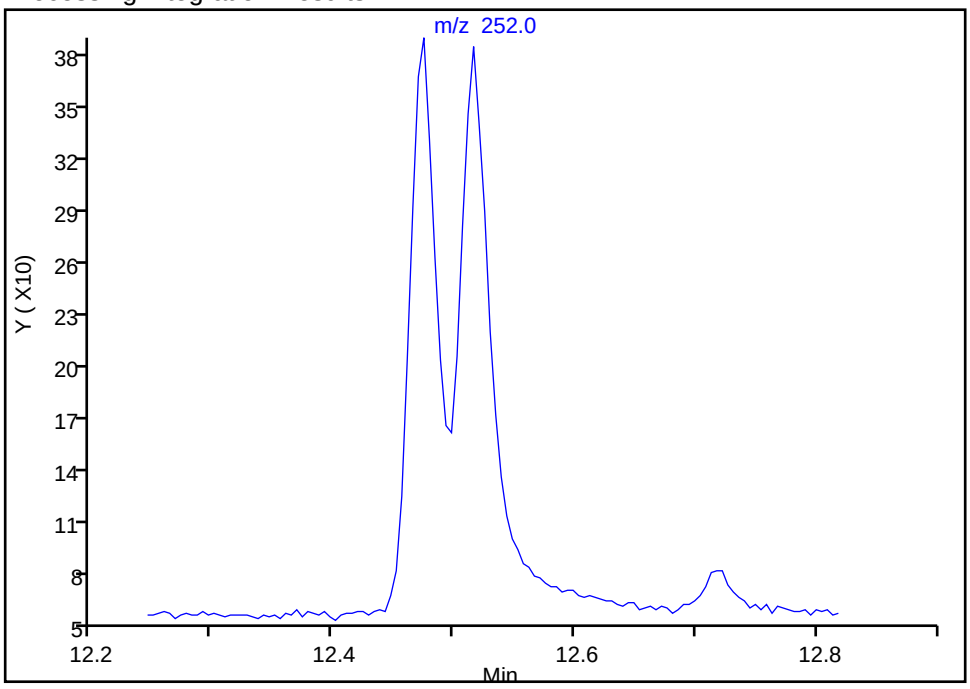
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b025.D				
Injection Date:	14-Jan-2022 04:45:30	Instrument ID:	TAC050		
Lims ID:	std2				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

25 Benzo[k]fluoranthene, CAS: 207-08-9

Signal: 1

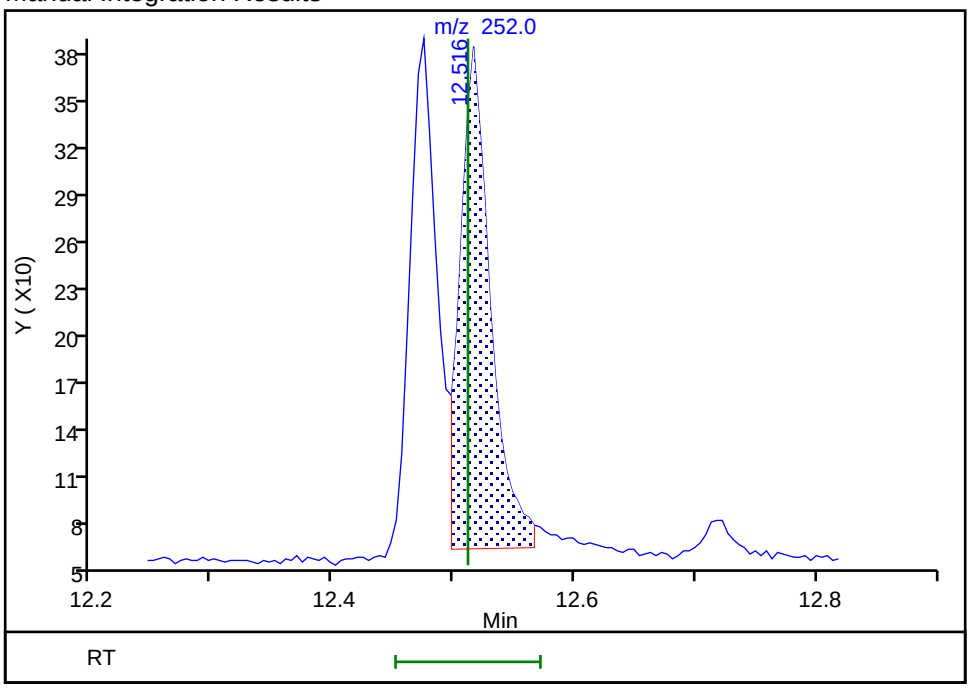
Not Detected
Expected RT: 12.51

Processing Integration Results



Manual Integration Results

RT: 12.52
Area: 540
Amount: 2.036308
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:32:35
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

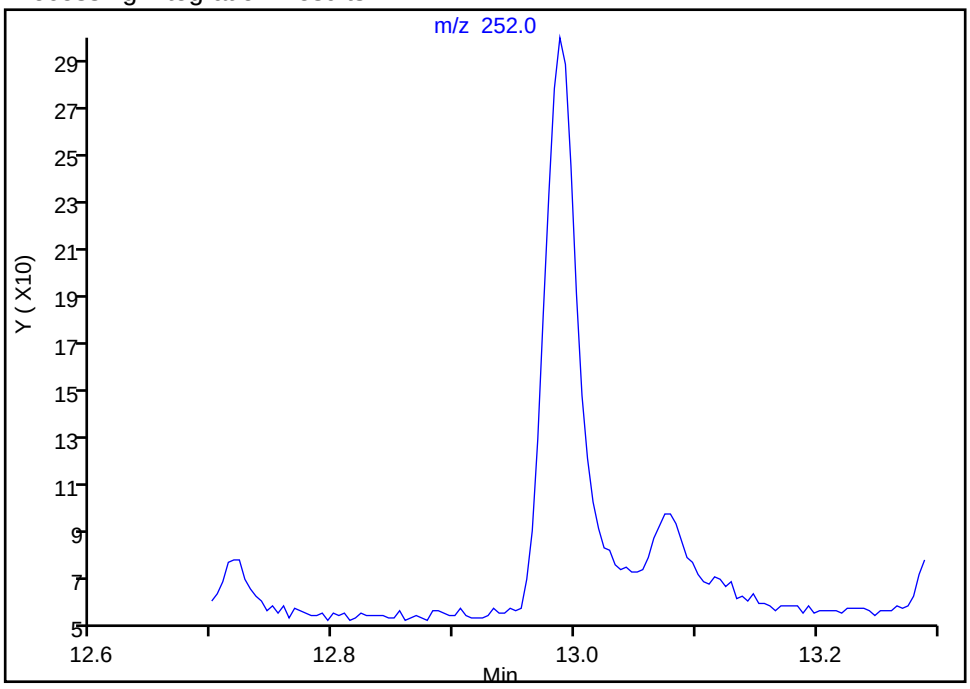
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b025.D
Injection Date: 14-Jan-2022 04:45:30 Instrument ID: TAC050
Lims ID: std2
Client ID:
Operator ID: jcm ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

26 Benzo[a]pyrene, CAS: 50-32-8

Signal: 1

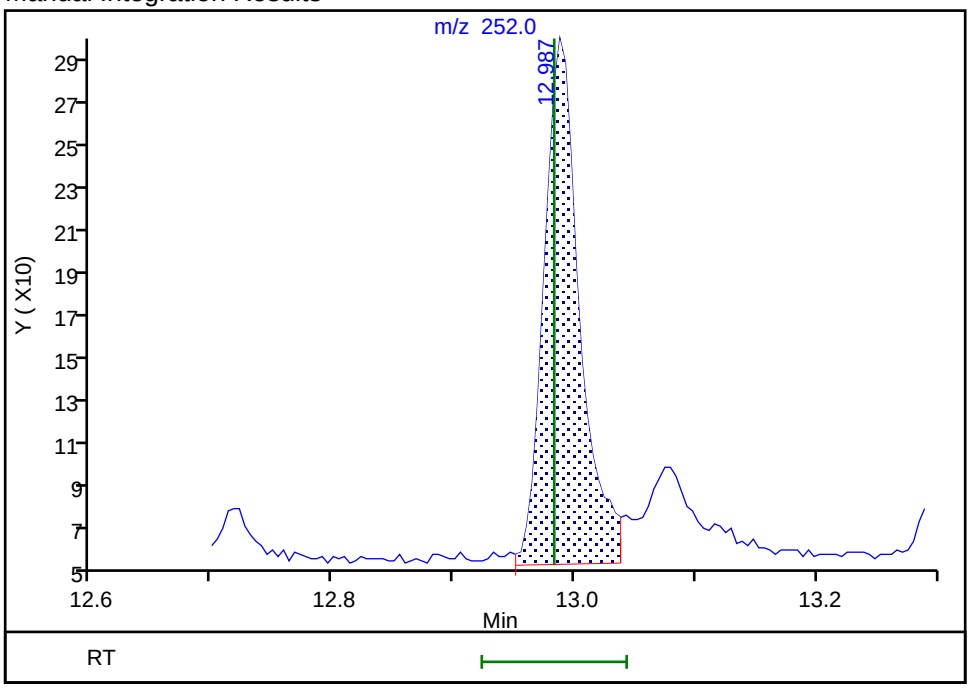
Not Detected
Expected RT: 12.98

Processing Integration Results



Manual Integration Results

RT: 12.99
Area: 494
Amount: 2.086996
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:32:43
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

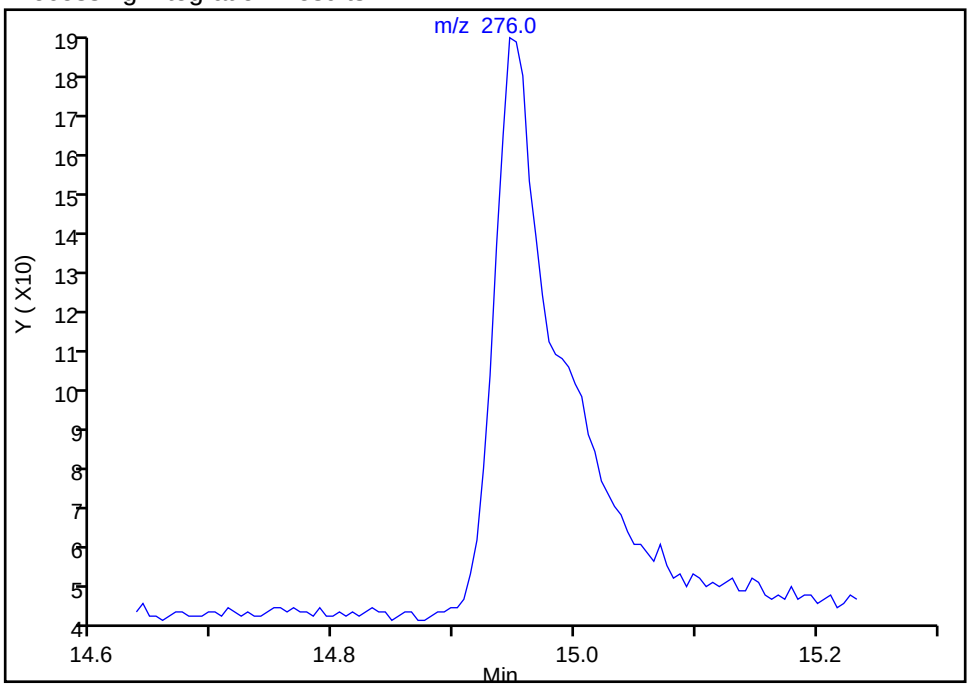
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b025.D				
Injection Date:	14-Jan-2022 04:45:30	Instrument ID:	TAC050		
Lims ID:	std2				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

27 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

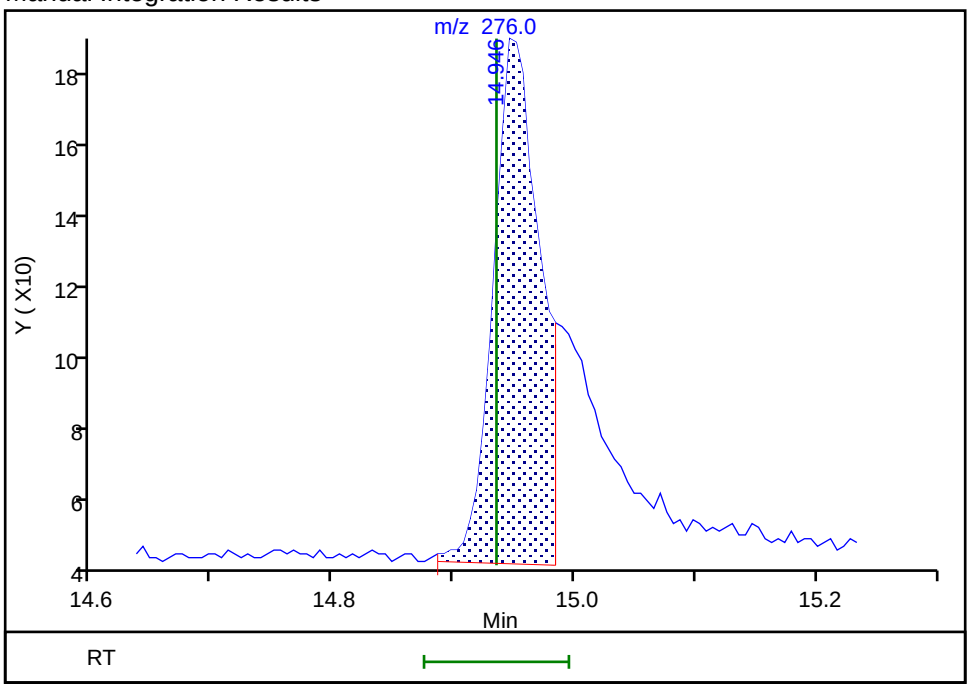
Not Detected
Expected RT: 14.93

Processing Integration Results



Manual Integration Results

RT: 14.95
Area: 365
Amount: 2.771632
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:32:51
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

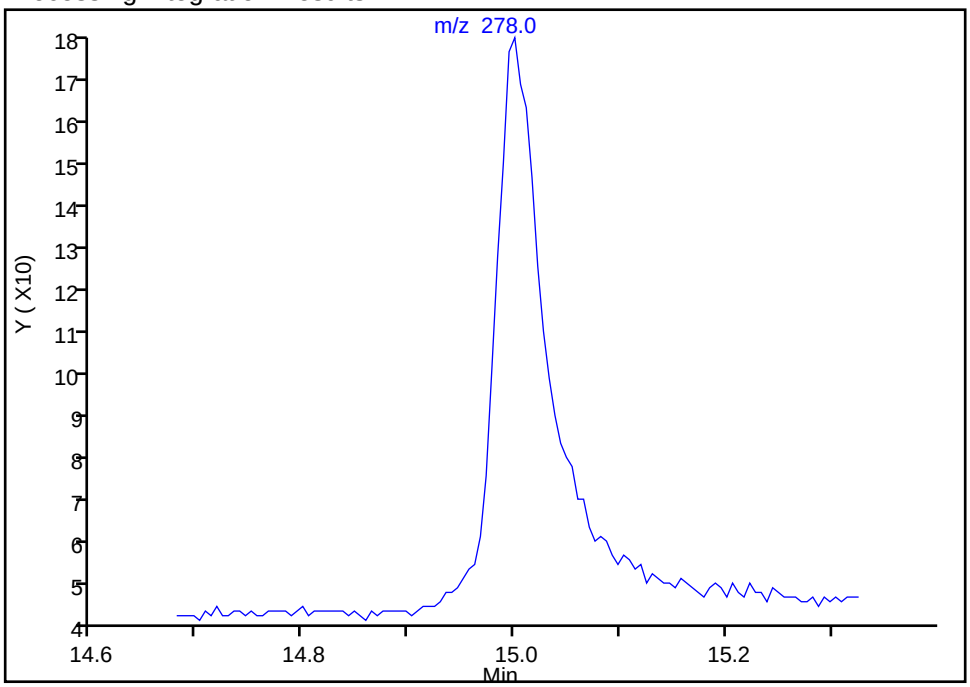
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b025.D				
Injection Date:	14-Jan-2022 04:45:30	Instrument ID:	TAC050		
Lims ID:	std2				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

28 Dibenz(a,h)anthracene, CAS: 53-70-3

Signal: 1

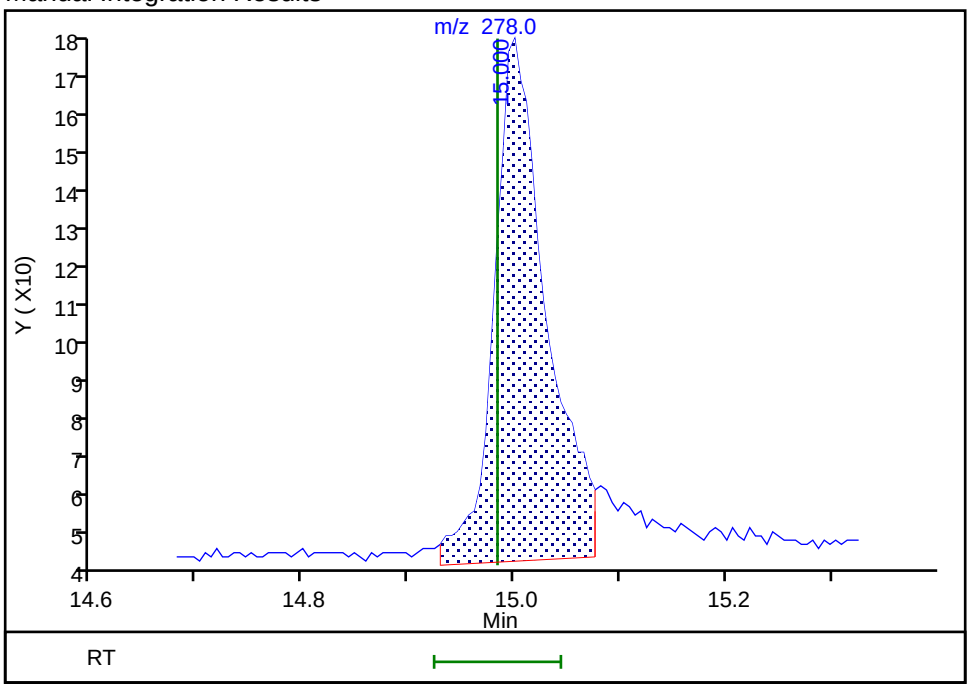
Not Detected
Expected RT: 14.98

Processing Integration Results



Manual Integration Results

RT: 15.00
Area: 429
Amount: 2.006314
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:32:59
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

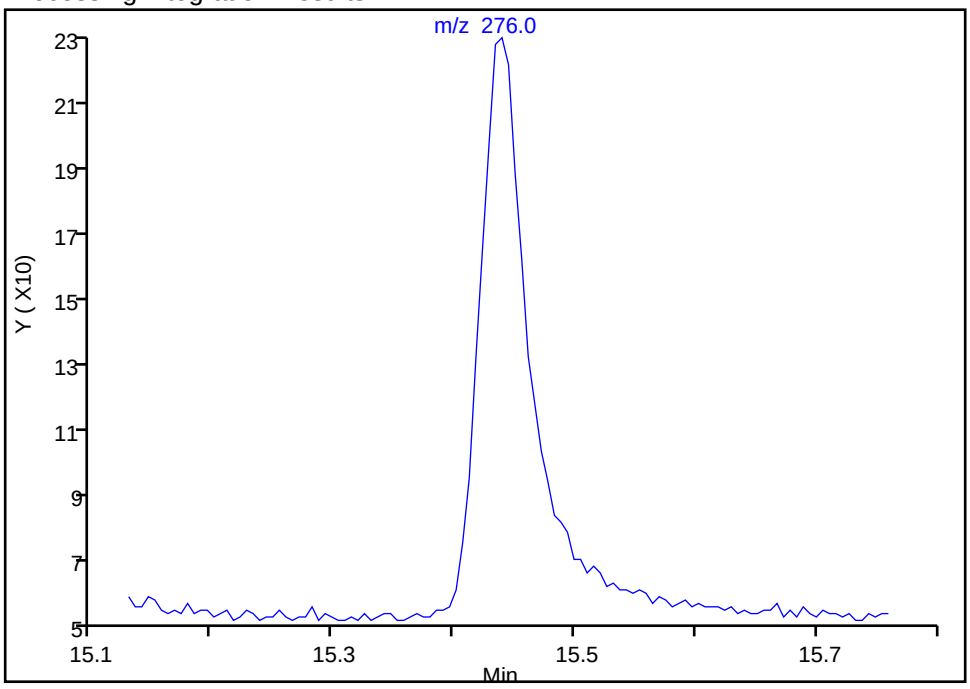
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b025.D				
Injection Date:	14-Jan-2022 04:45:30	Instrument ID:	TAC050		
Lims ID:	std2				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

29 Benzo[g,h,i]perylene, CAS: 191-24-2

Signal: 1

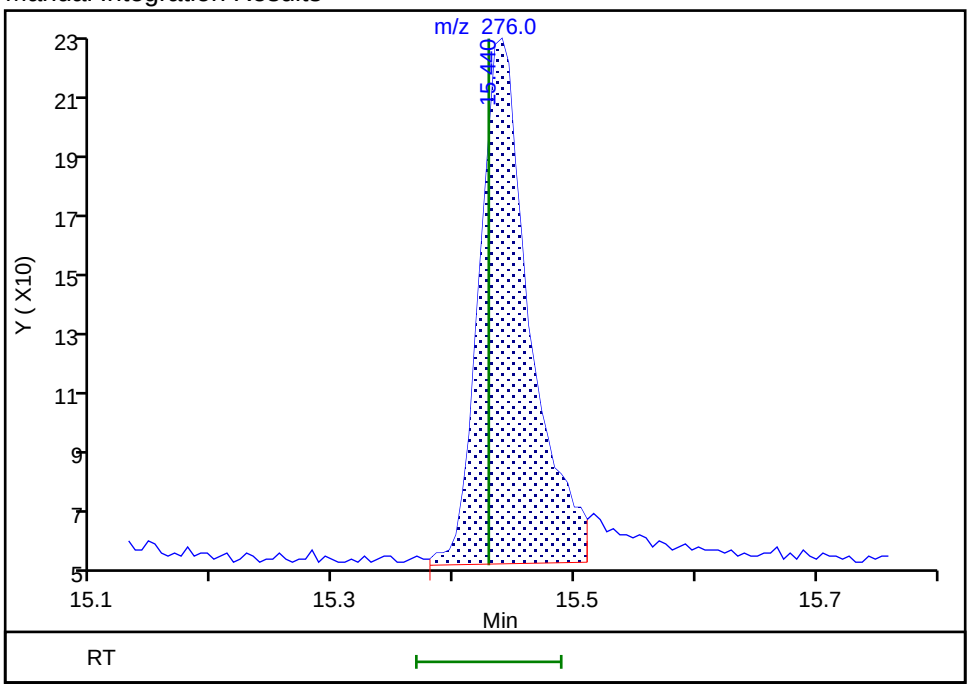
Not Detected
Expected RT: 15.43

Processing Integration Results



Manual Integration Results

RT: 15.44
Area: 497
Amount: 2.072665
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:33:33
Audit Action: Manually Integrated Audit Reason: Assign Peak

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D
Lims ID: std1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 14-Jan-2022 05:04:30 ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 1
Operator ID: jcm Instrument ID: TAC050
Sublist: chrom-TAC050_SIM_PAH*sub9

Method: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\TAC050_SIM_PAH.m
Limit Group: 8270D_SIM QSM 5.0
Last Update: 14-Jan-2022 15:42:24 Calib Date: 14-Jan-2022 05:04:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D

Column 1 : Det: MS SCAN
Process Host: CTX1628

First Level Reviewer: limmere Date: 14-Jan-2022 10:29:15

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 Naphthalene-d8	136	5.171	5.171	0.000	90	20735	100.0	100.0	
* 2 Acenaphthene-d10	164	6.854	6.854	0.000	69	9073	100.0	100.0	
* 3 Phenanthrene-d10	188	8.319	8.319	0.001	56	14232	100.0	100.0	
* 4 Chrysene-d12	240	11.030	11.030	0.000	49	10350	100.0	100.0	
* 5 Perylene-d12	264	13.079	13.074	0.005	69	12127	100.0	100.0	
$ 6 2-methylnaphthalene-d10	152	5.814	5.809	0.005	67	122	1.00	0.99	M
$ 10 2-Fluorobiphenyl	172	6.193	6.190	0.003	0	156	1.00	1.07	M
$ 8 Fluoranthene-d10 (Surr)	212	9.506	9.502	0.004	68	296	1.00	0.8391	M
$ 9 Terphenyl-d14	244	9.900	9.896	0.004	95	216	1.00	1.89	M
11 Naphthalene	128	5.189	5.189	0.000	88	256	1.00	1.17	M
12 2-Methylnaphthalene	141	5.841	5.841	0.000	97	122	1.00	0.9809	M
13 1-Methylnaphthalene	141	5.937	5.937	0.000	99	133	1.00	1.10	M
14 Acenaphthylene	152	6.717	6.717	0.000	100	199	1.00	1.04	M
15 Acenaphthene	153	6.885	6.884	0.001	82	125	1.00	1.04	M
16 Fluorene	166	7.394	7.389	0.005	99	148	1.00	1.10	M
18 Phenanthrene	178	8.342	8.342	0.000	35	355	1.00	0.8469	M
19 Anthracene	178	8.397	8.389	0.008	99	339	1.00	0.9684	M
20 Fluoranthene	202	9.526	9.522	0.004	55	360	1.00	0.8607	M
21 Pyrene	202	9.754	9.746	0.008	52	386	1.00	0.8357	M
22 Benzo[a]anthracene	228	11.017	11.012	0.005	24	316	1.00	0.8148	M
23 Chrysene	228	11.058	11.057	0.001	98	341	1.00	0.7148	M
30 Bis(2-ethylhexyl) phthalate	149	11.892	11.895	-0.003	0	301	1.00	1.02	M
24 Benzo[b]fluoranthene	252	12.475	12.470	0.005	98	286	1.00	0.99	M
25 Benzo[k]fluoranthene	252	12.521	12.511	0.010	92	313	1.00	0.9775	M
26 Benzo[a]pyrene	252	12.988	12.983	0.005	96	285	1.00	0.99	M
27 Indeno[1,2,3-cd]pyrene	276	14.957	14.935	0.022	96	194	1.00	1.68	M
28 Dibenz(a,h)anthracene	278	15.011	14.984	0.027	95	246	1.00	1.01	M
29 Benzo[g,h,i]perylene	276	15.440	15.429	0.011	91	281	1.00	0.9844	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

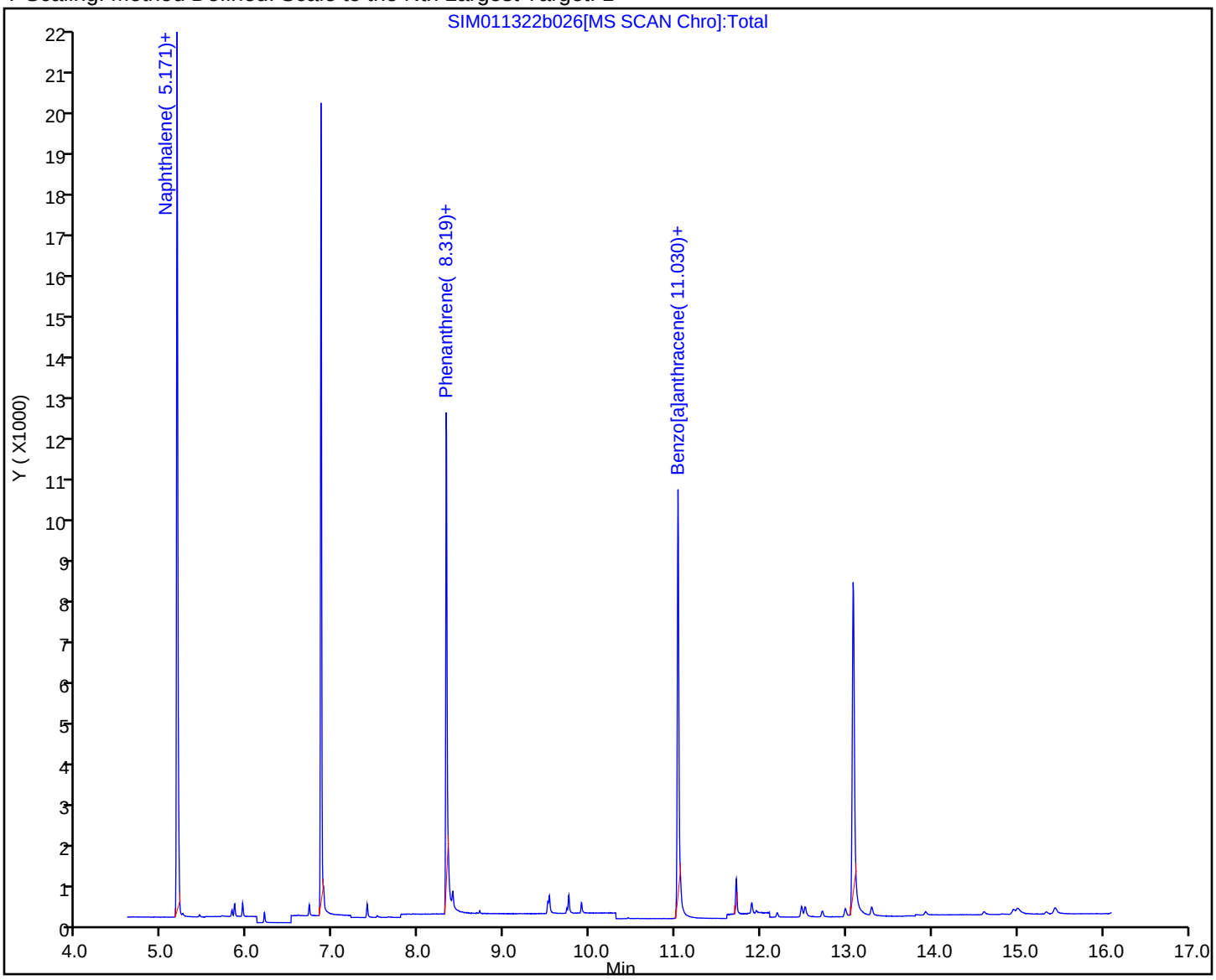
Reagents:

8270SIM_IS_00069	Amount Added:	9.80	Units: uL
8270ccvl_50_00039	Amount Added:	20.00	Units: uL

Report Date: 14-Jan-2022 15:42:25 Chrom Revision: 2.3 03-Jan-2022 17:03:12

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D
Injection Date: 14-Jan-2022 05:04:30 Instrument ID: TAC050
Lims ID: std1
Client ID:
Operator ID: jcm ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Seattle

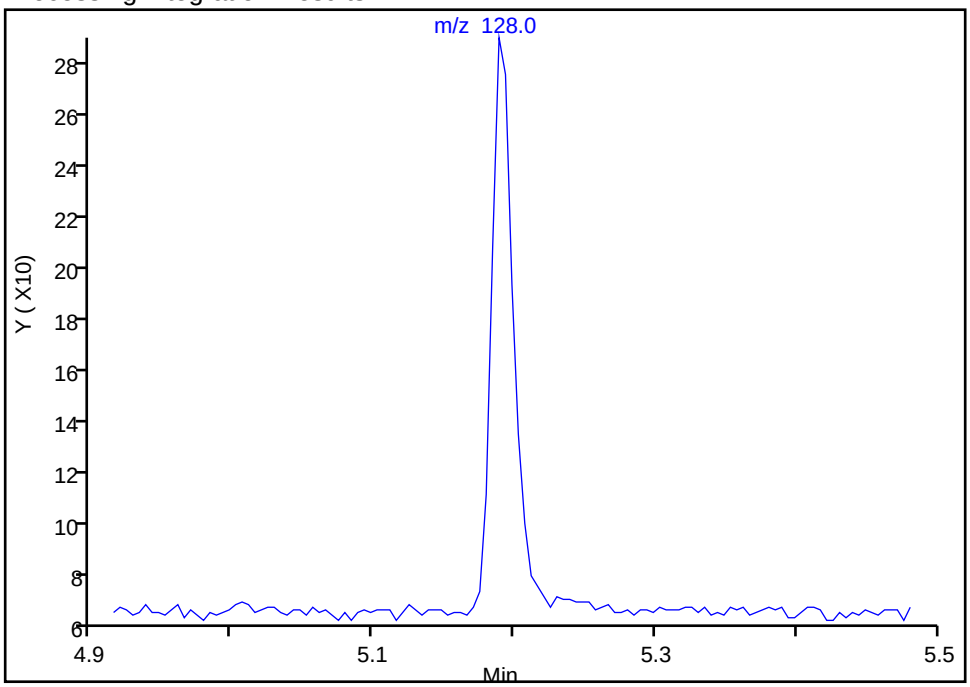
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D				
Injection Date:	14-Jan-2022 05:04:30	Instrument ID:	TAC050		
Lims ID:	std1				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

11 Naphthalene, CAS: 91-20-3

Signal: 1

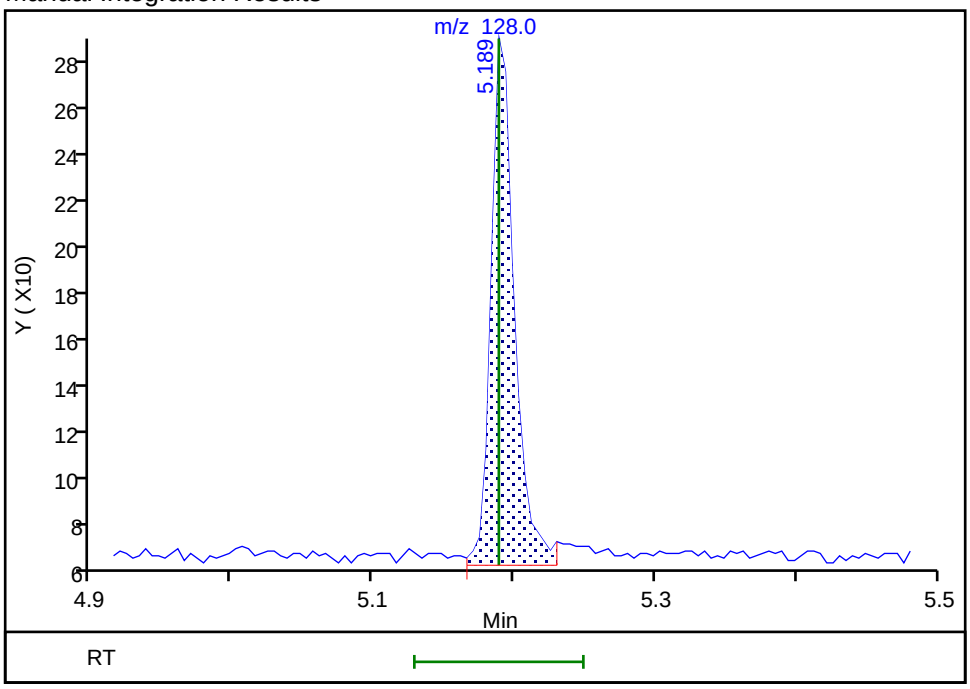
Not Detected
Expected RT: 5.19

Processing Integration Results



Manual Integration Results

RT: 5.19
Area: 256
Amount: 1.167329
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:37:18
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

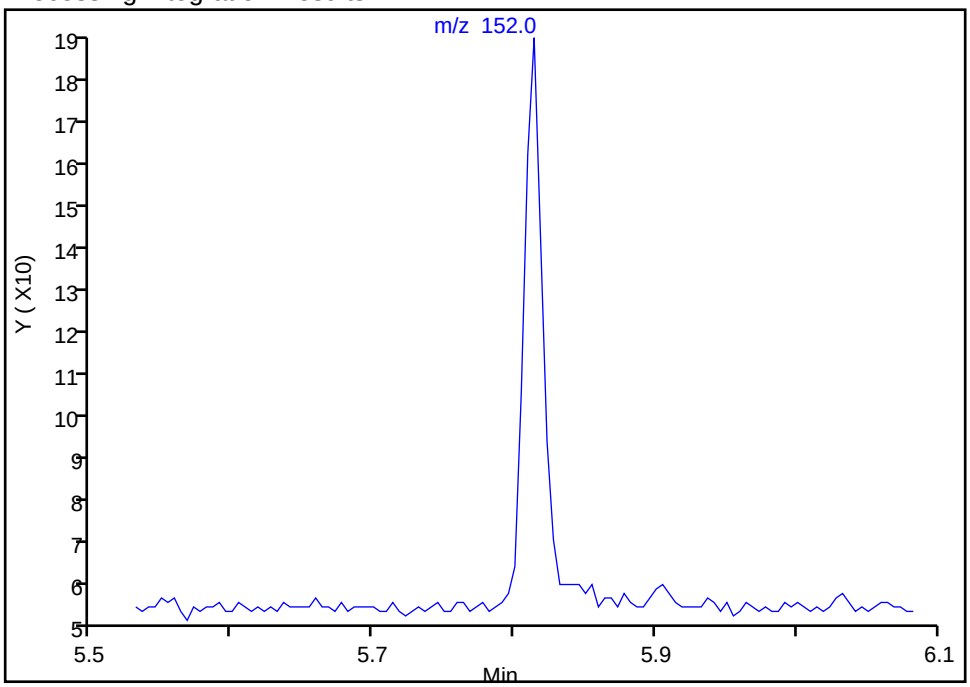
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D				
Injection Date:	14-Jan-2022 05:04:30	Instrument ID:	TAC050		
Lims ID:	std1				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

$ 6 2-methylnaphthalene-d10, CAS: 7297-45-2

Signal: 1

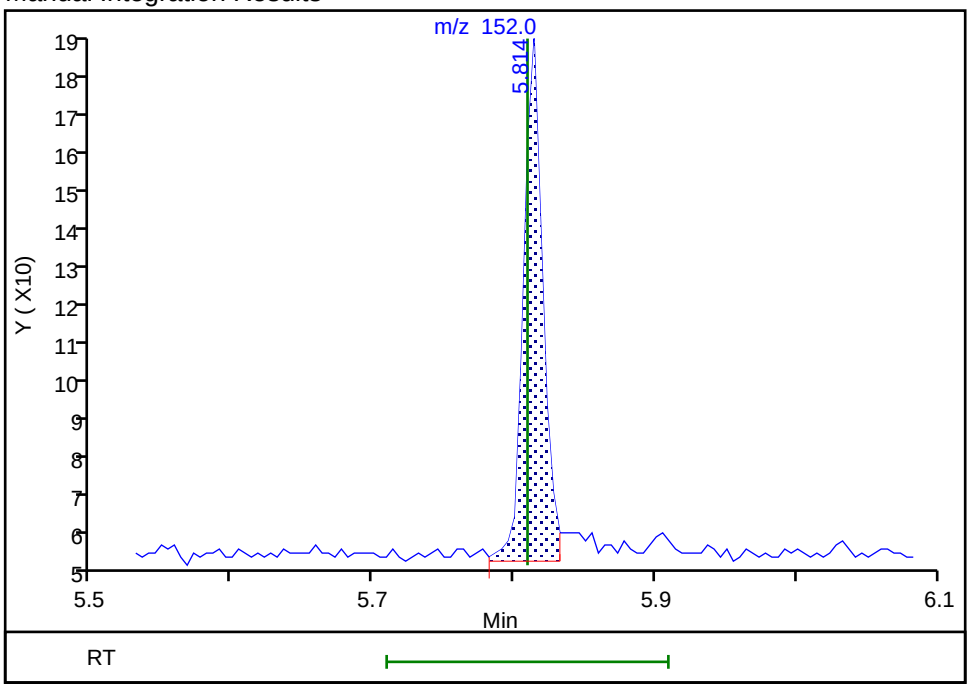
Not Detected
Expected RT: 5.81

Processing Integration Results



Manual Integration Results

RT: 5.81
Area: 122
Amount: 0.994559
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:36:49
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

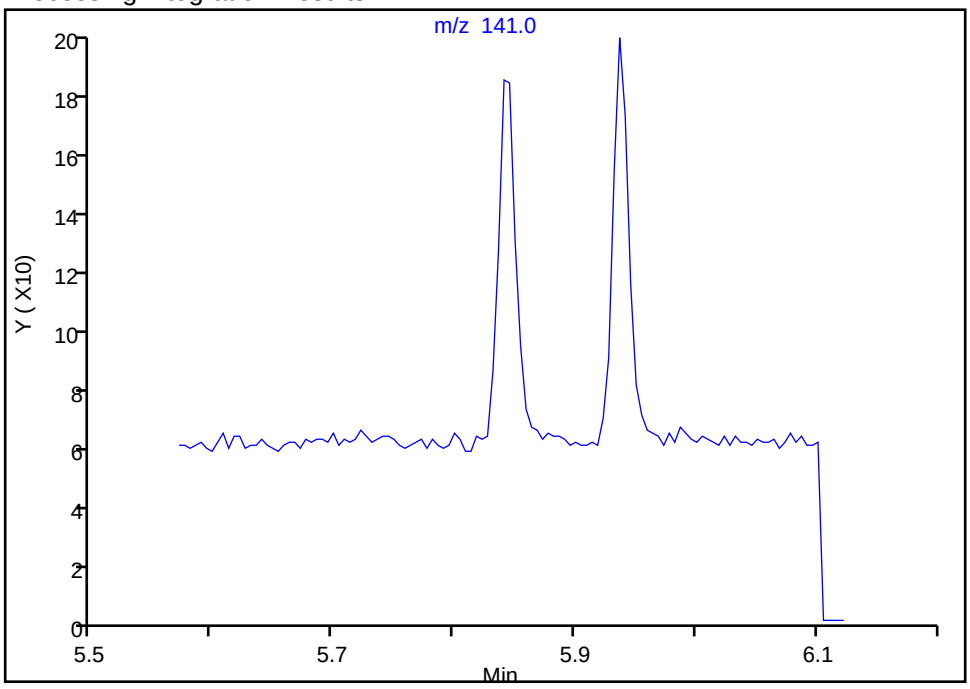
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D				
Injection Date:	14-Jan-2022 05:04:30	Instrument ID:	TAC050		
Lims ID:	std1				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

12 2-Methylnaphthalene, CAS: 91-57-6

Signal: 1

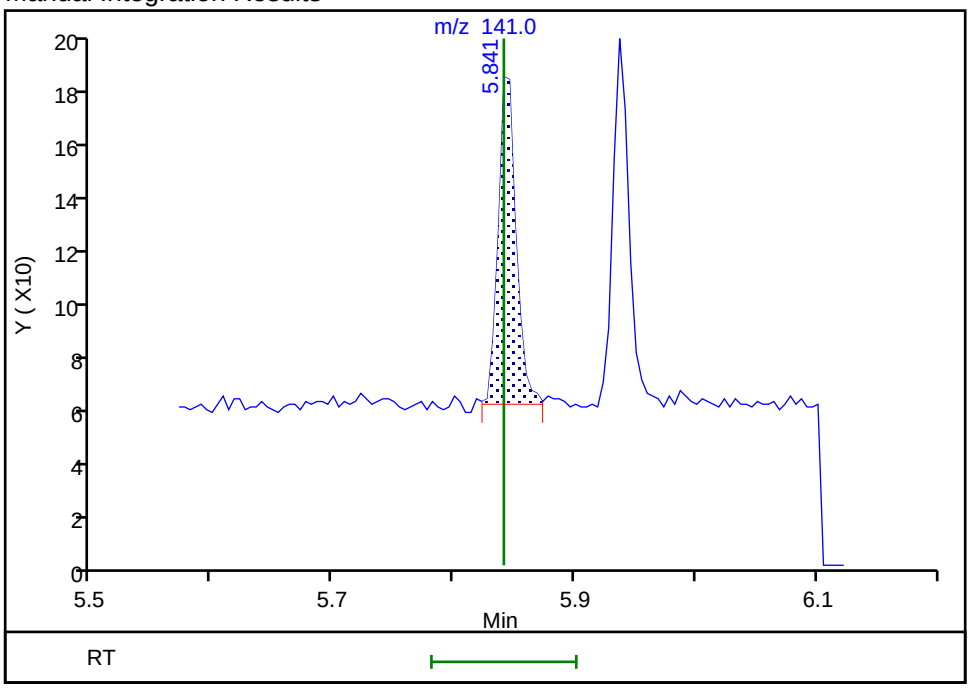
Not Detected
Expected RT: 5.84

Processing Integration Results



Manual Integration Results

RT: 5.84
Area: 122
Amount: 0.980912
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:37:24
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

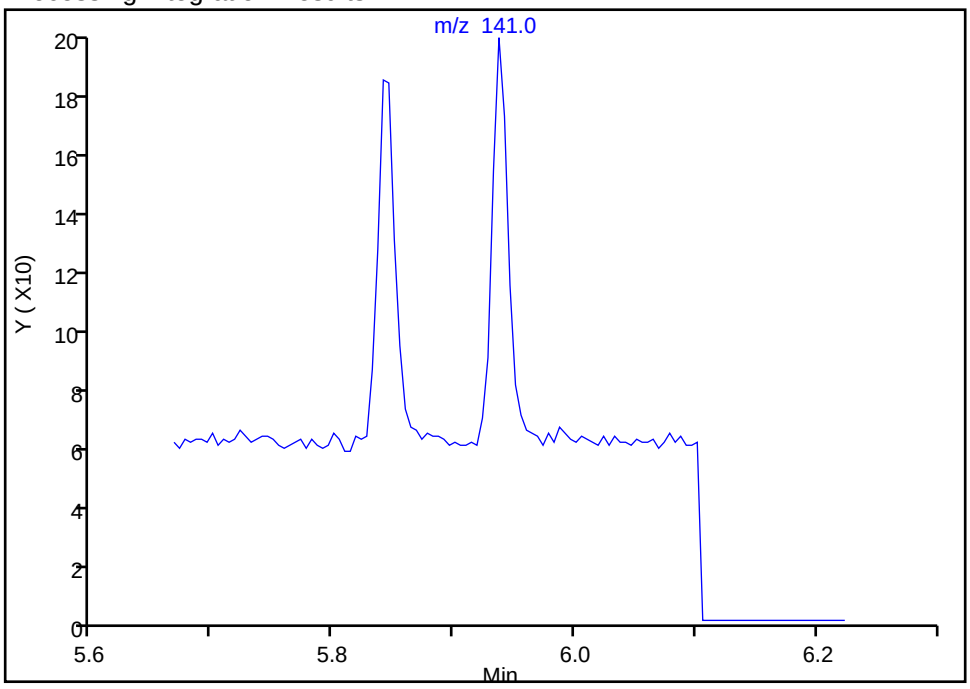
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D				
Injection Date:	14-Jan-2022 05:04:30	Instrument ID:	TAC050		
Lims ID:	std1				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

13 1-Methylnaphthalene, CAS: 90-12-0

Signal: 1

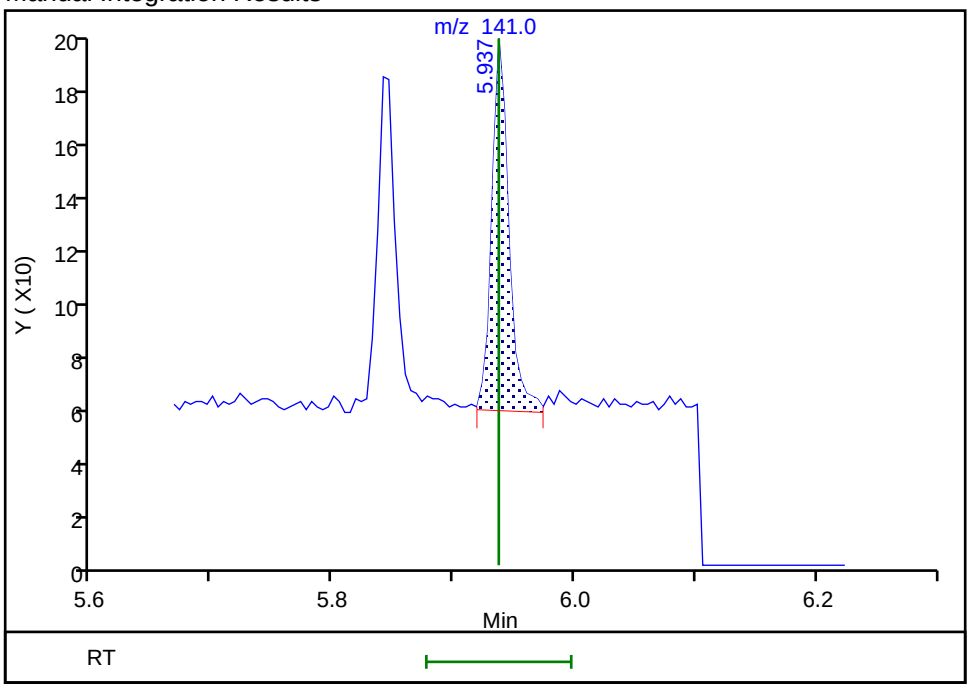
Not Detected
Expected RT: 5.94

Processing Integration Results



RT: 5.94
Area: 133
Amount: 1.104006
Amount Units: ug/L

Manual Integration Results



Reviewer: boylea, 14-Jan-2022 14:37:30
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

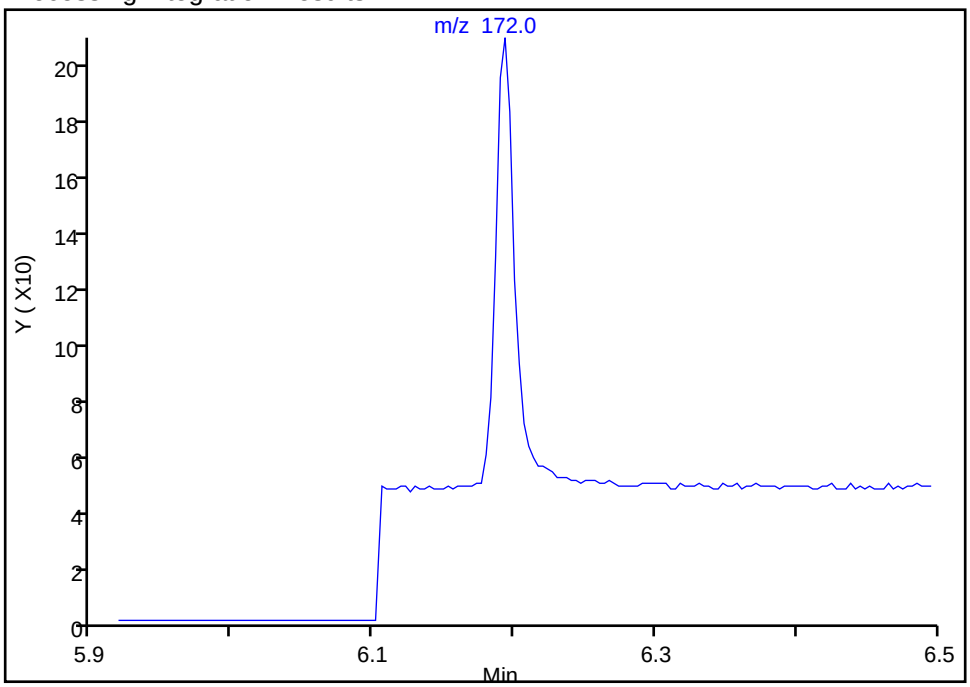
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D
Injection Date: 14-Jan-2022 05:04:30 Instrument ID: TAC050
Lims ID: std1
Client ID:
Operator ID: jcm ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

$ 10 2-Fluorobiphenyl, CAS: 321-60-8

Signal: 1

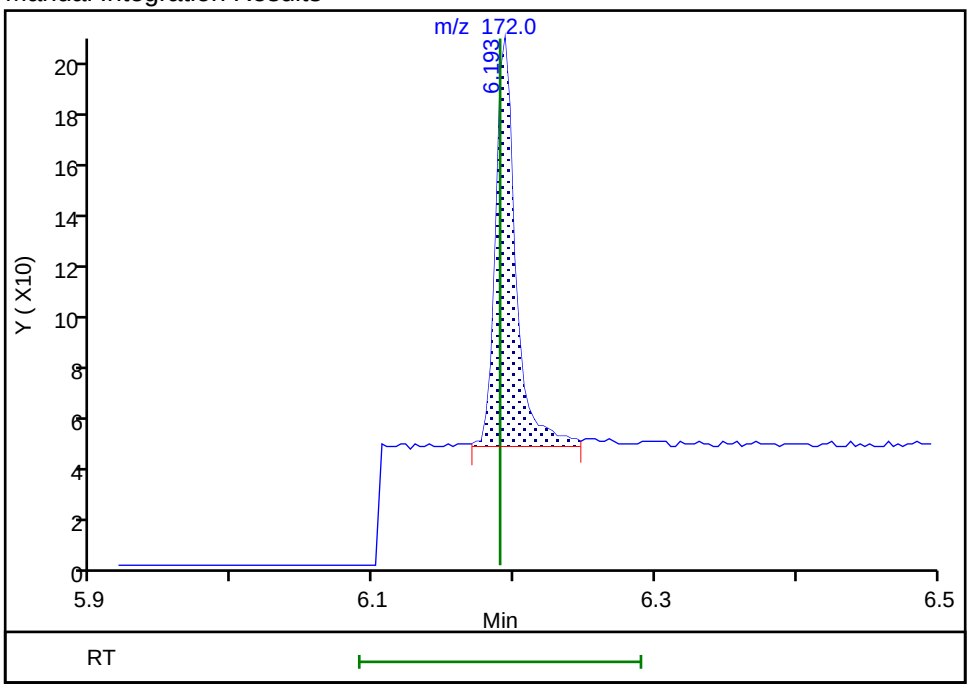
Not Detected
Expected RT: 6.19

Processing Integration Results



Manual Integration Results

RT: 6.19
Area: 156
Amount: 1.074497
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:37:01
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

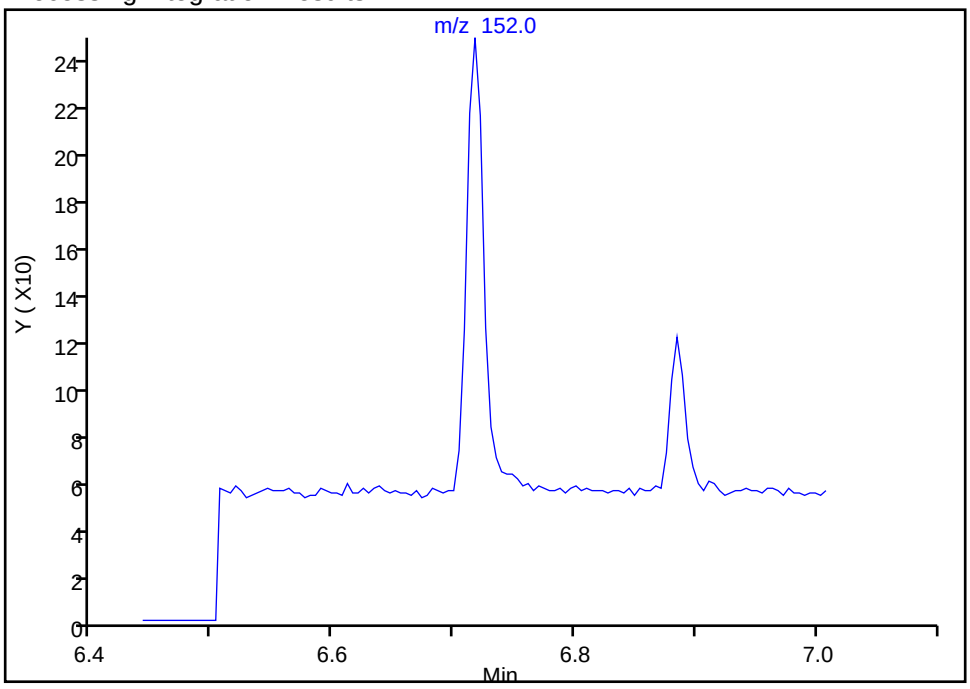
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D
Injection Date: 14-Jan-2022 05:04:30 Instrument ID: TAC050
Lims ID: std1
Client ID:
Operator ID: jcm ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

14 Acenaphthylene, CAS: 208-96-8

Signal: 1

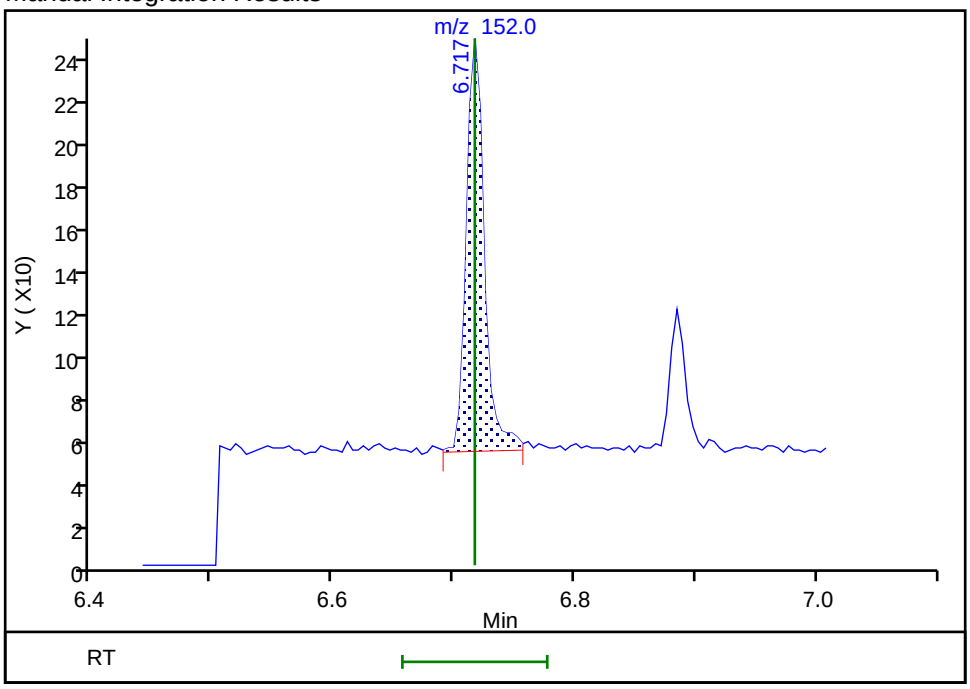
Not Detected
Expected RT: 6.72

Processing Integration Results



Manual Integration Results

RT: 6.72
Area: 199
Amount: 1.037454
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:37:37
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

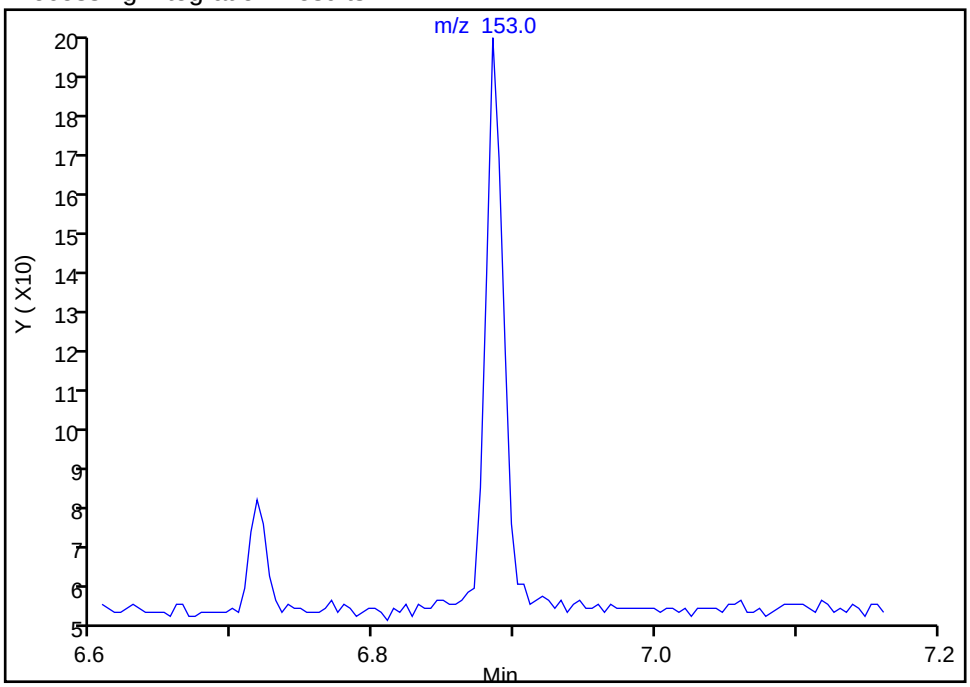
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D				
Injection Date:	14-Jan-2022 05:04:30	Instrument ID:	TAC050		
Lims ID:	std1				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

15 Acenaphthene, CAS: 83-32-9

Signal: 1

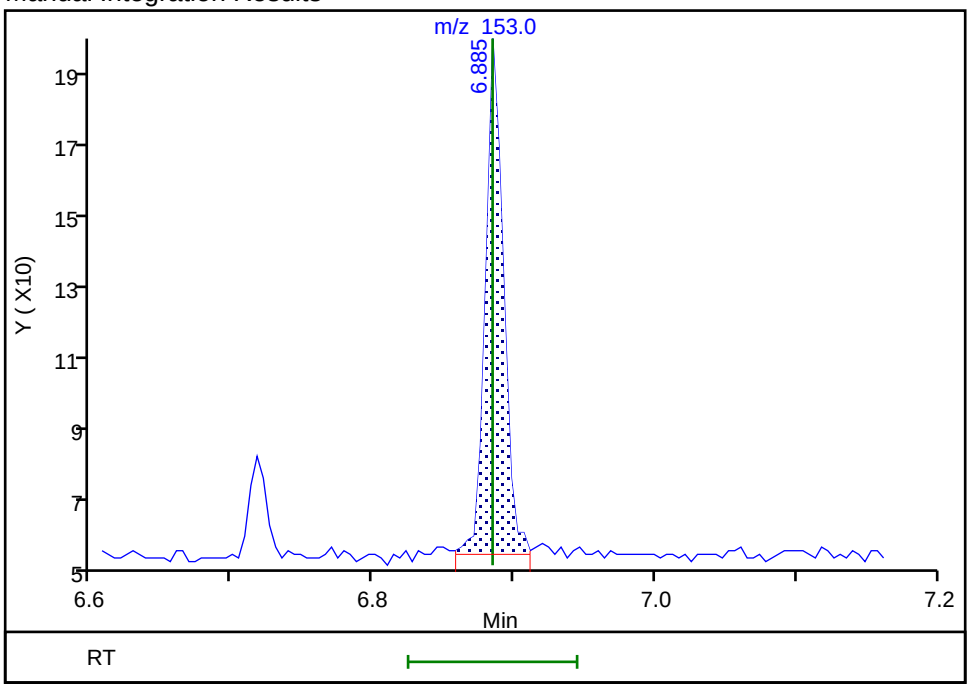
Not Detected
Expected RT: 6.88

Processing Integration Results



Manual Integration Results

RT: 6.88
Area: 125
Amount: 1.038427
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:37:44
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

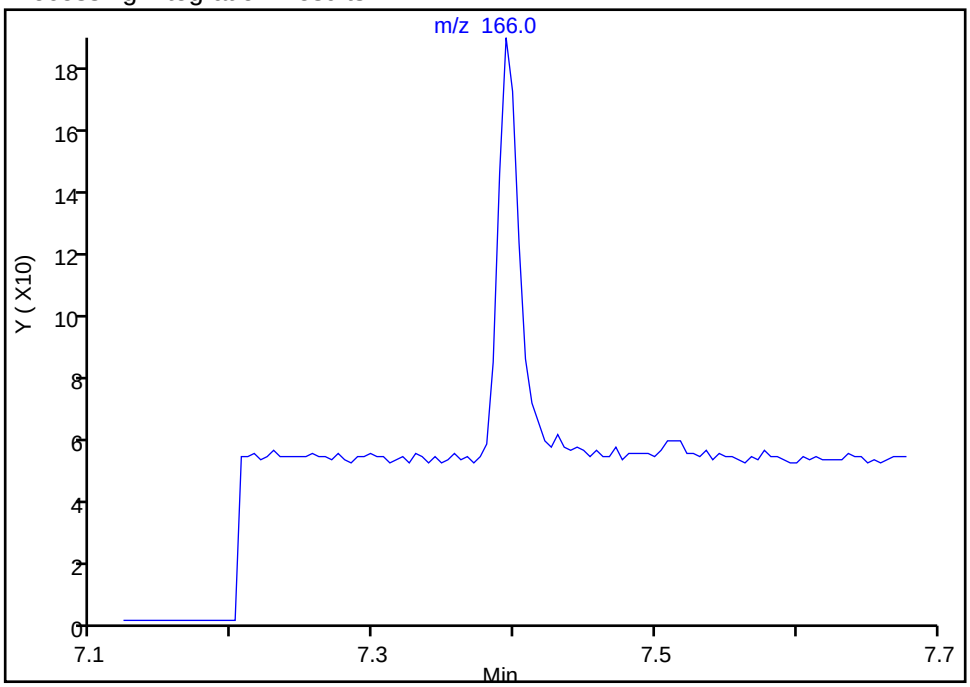
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D
Injection Date: 14-Jan-2022 05:04:30 Instrument ID: TAC050
Lims ID: std1
Client ID:
Operator ID: jcm ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

16 Fluorene, CAS: 86-73-7

Signal: 1

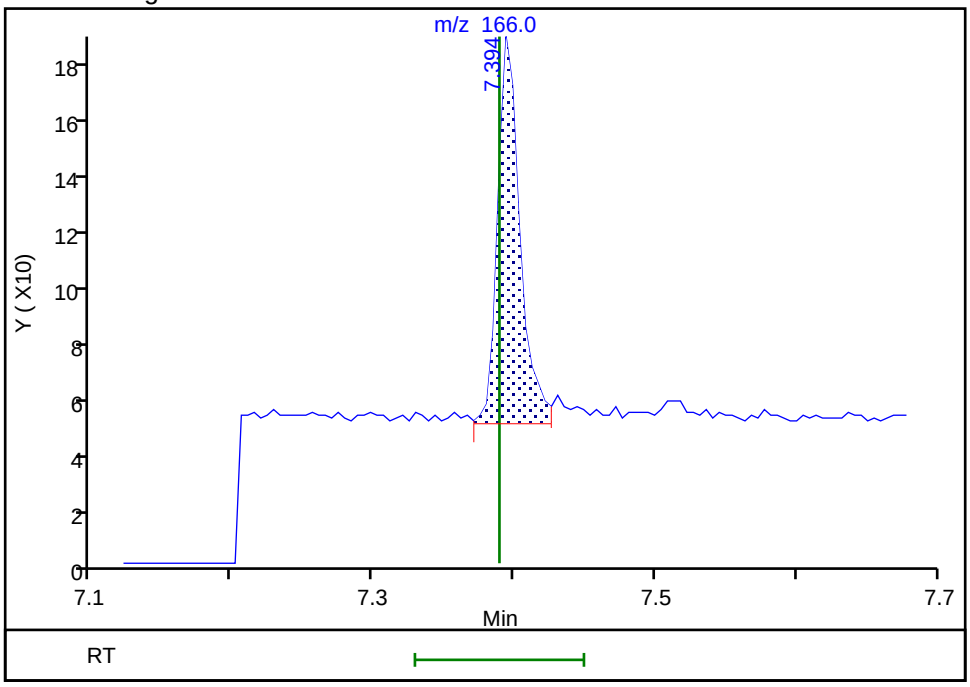
Not Detected
Expected RT: 7.39

Processing Integration Results



Manual Integration Results

RT: 7.39
Area: 148
Amount: 1.102831
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:37:57
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

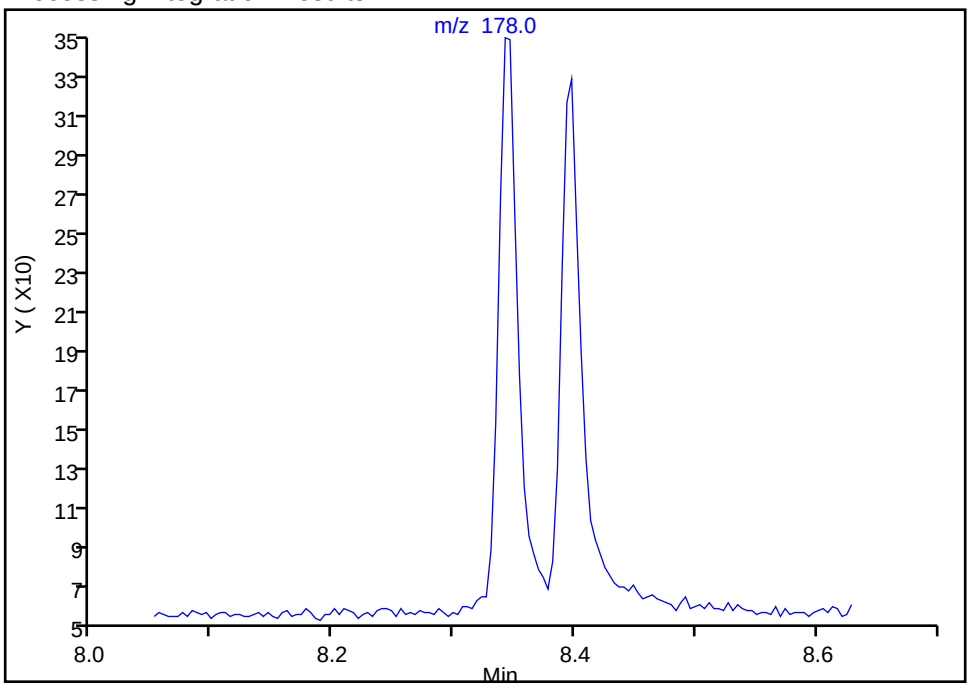
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D				
Injection Date:	14-Jan-2022 05:04:30	Instrument ID:	TAC050		
Lims ID:	std1				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

18 Phenanthrene, CAS: 85-01-8

Signal: 1

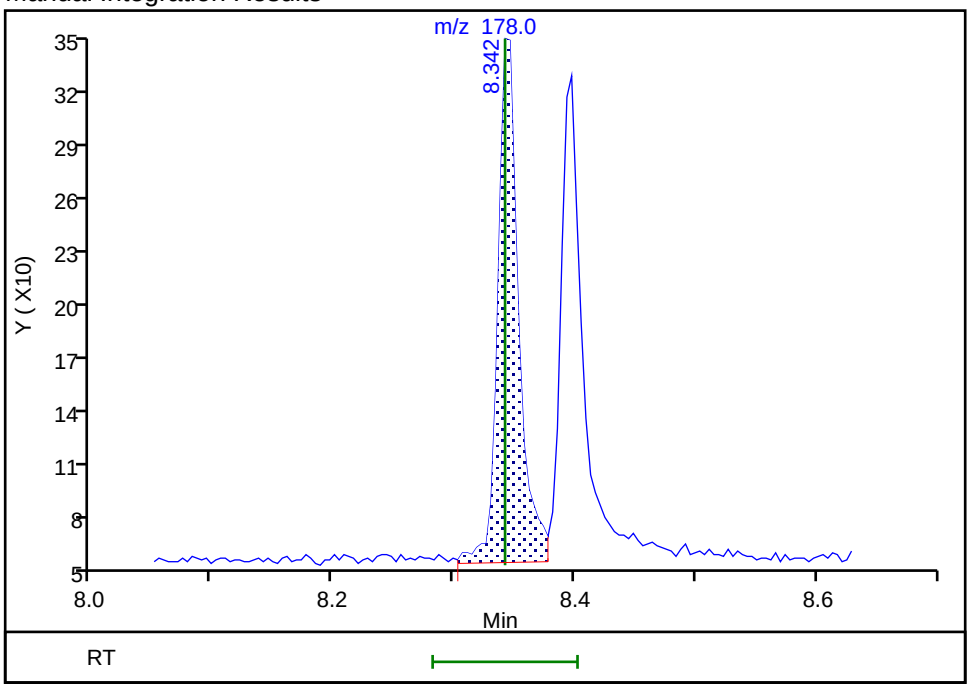
Not Detected
Expected RT: 8.34

Processing Integration Results



Manual Integration Results

RT: 8.34
Area: 355
Amount: 0.846866
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:38:05
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

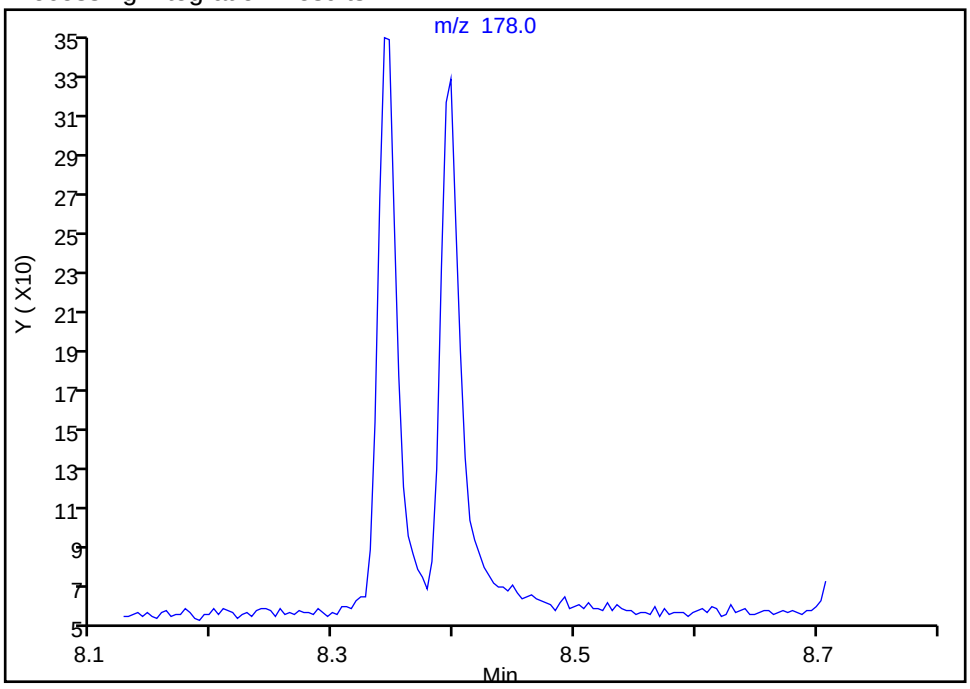
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D				
Injection Date:	14-Jan-2022 05:04:30	Instrument ID:	TAC050		
Lims ID:	std1				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

19 Anthracene, CAS: 120-12-7

Signal: 1

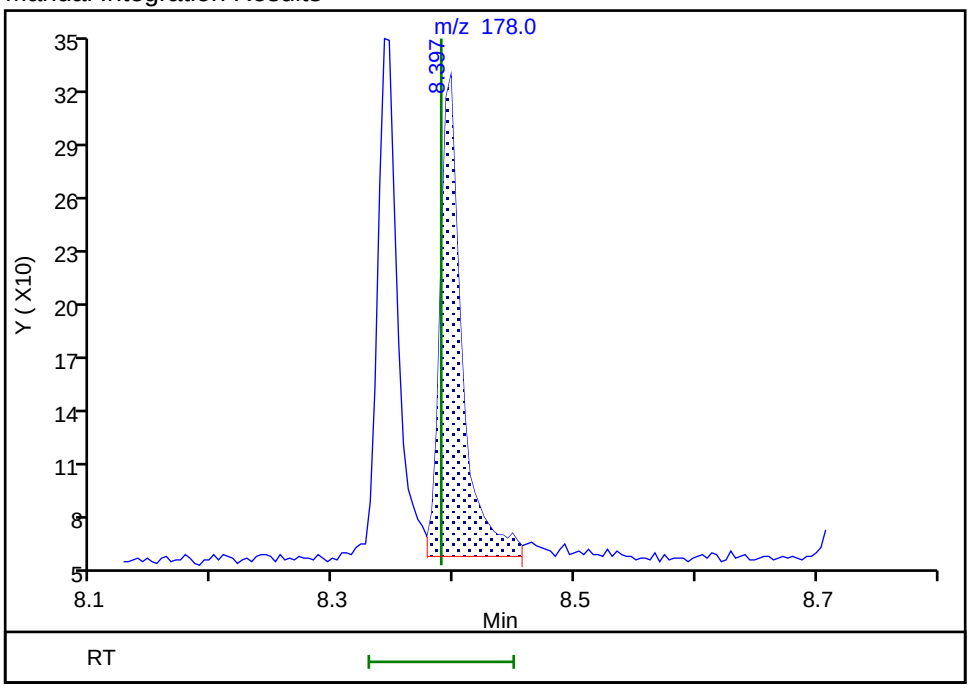
Not Detected
Expected RT: 8.39

Processing Integration Results



Manual Integration Results

RT: 8.40
Area: 339
Amount: 0.968377
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:38:09
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

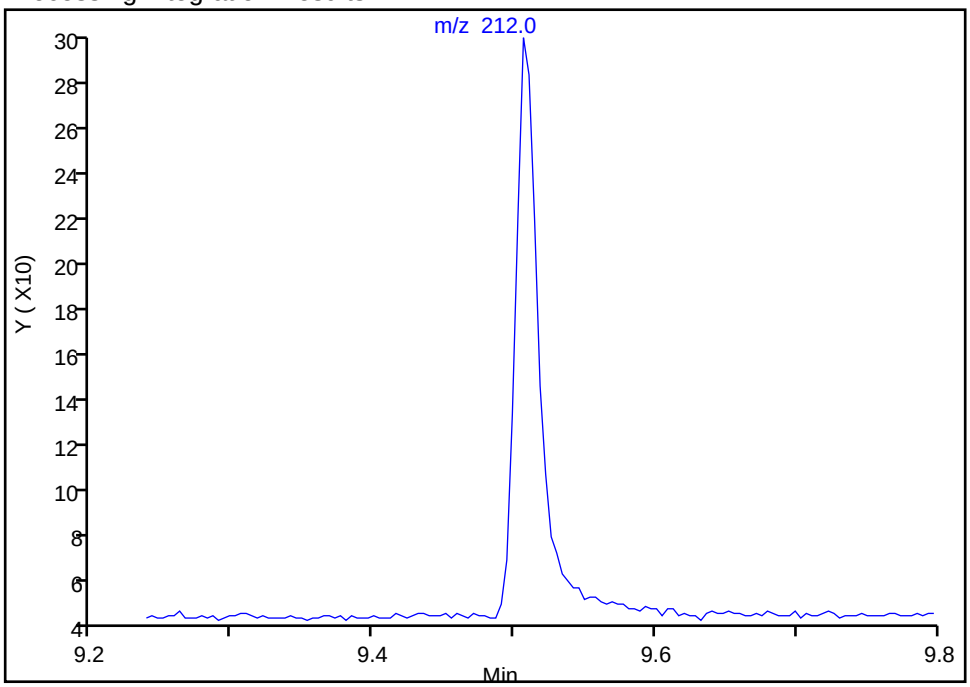
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D				
Injection Date:	14-Jan-2022 05:04:30	Instrument ID:	TAC050		
Lims ID:	std1				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

$ 8 Fluoranthene-d10 (Surr), CAS: 93951-69-0

Signal: 1

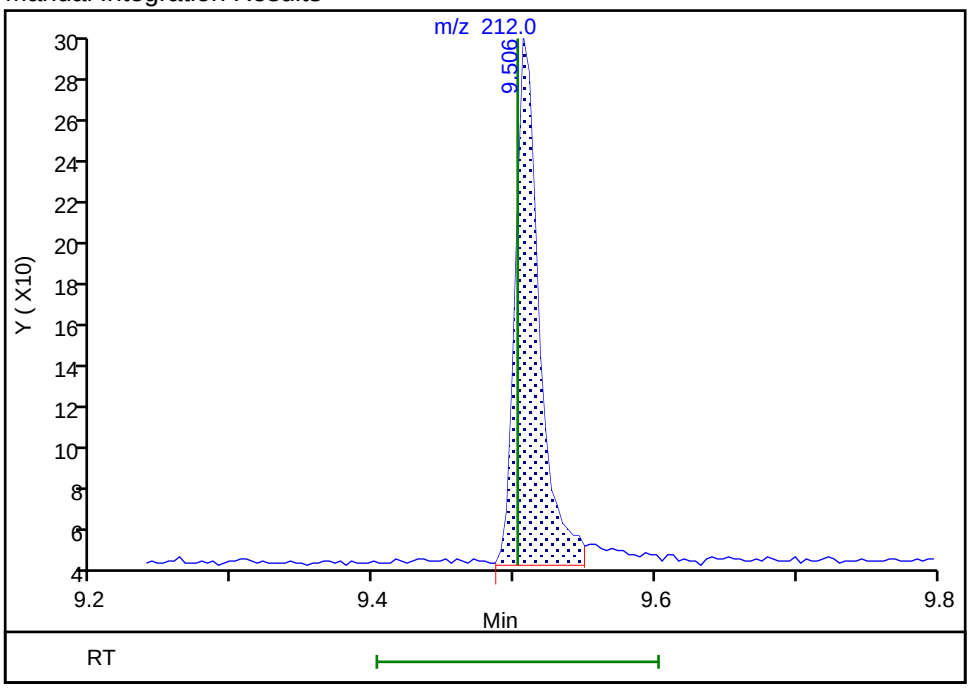
Processing Integration Results

Not Detected
Expected RT: 9.50



Manual Integration Results

RT: 9.51
Area: 296
Amount: 0.839144
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:37:09
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

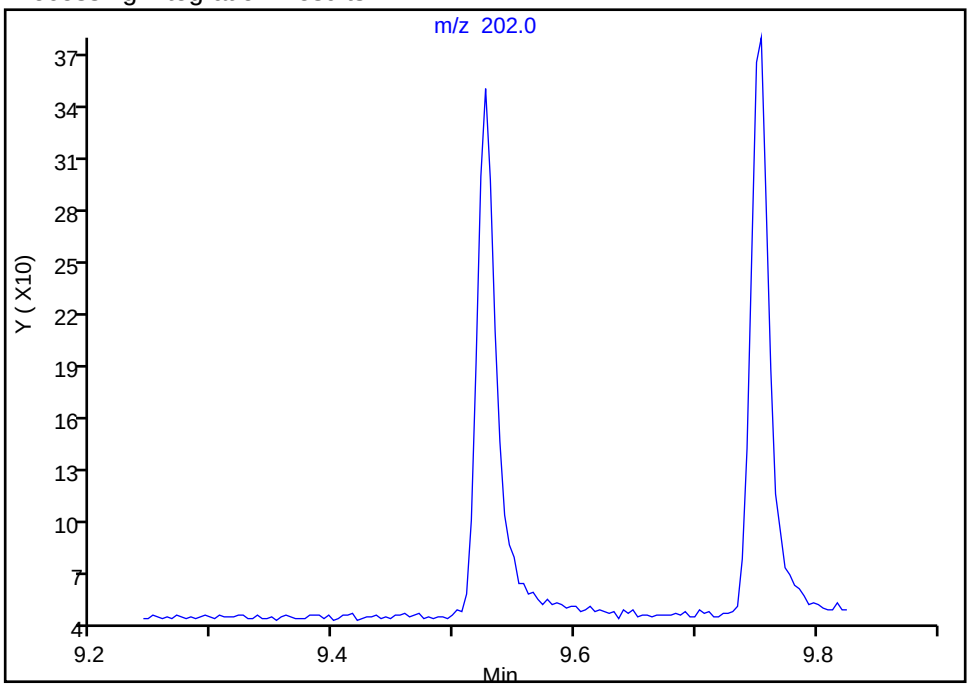
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D
Injection Date: 14-Jan-2022 05:04:30 Instrument ID: TAC050
Lims ID: std1
Client ID:
Operator ID: jcm ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

20 Fluoranthene, CAS: 206-44-0

Signal: 1

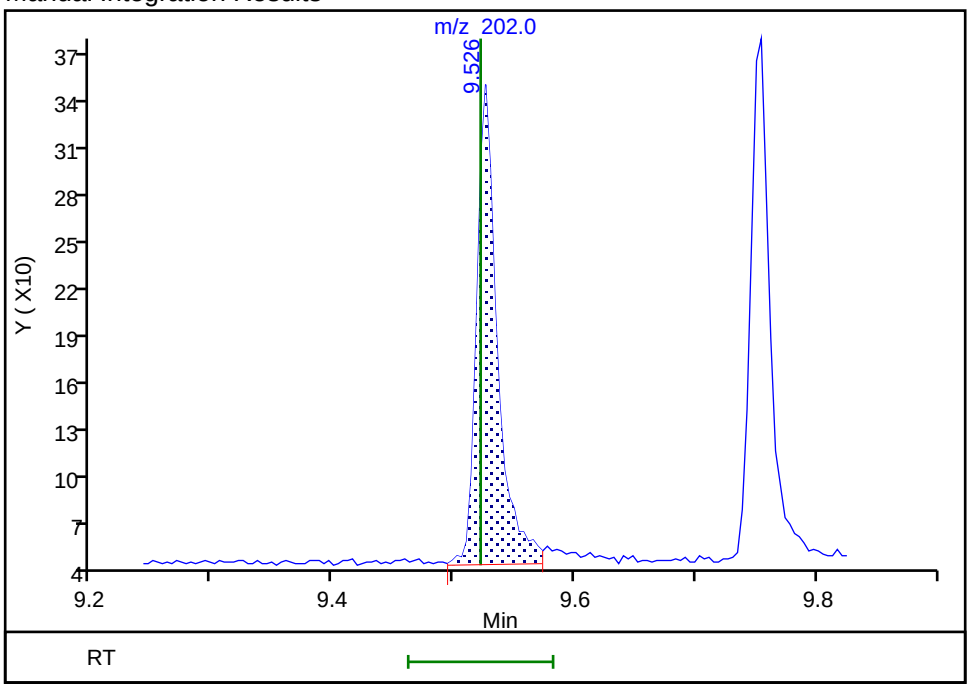
Not Detected
Expected RT: 9.52

Processing Integration Results



Manual Integration Results

RT: 9.53
Area: 360
Amount: 0.860666
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:38:15
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

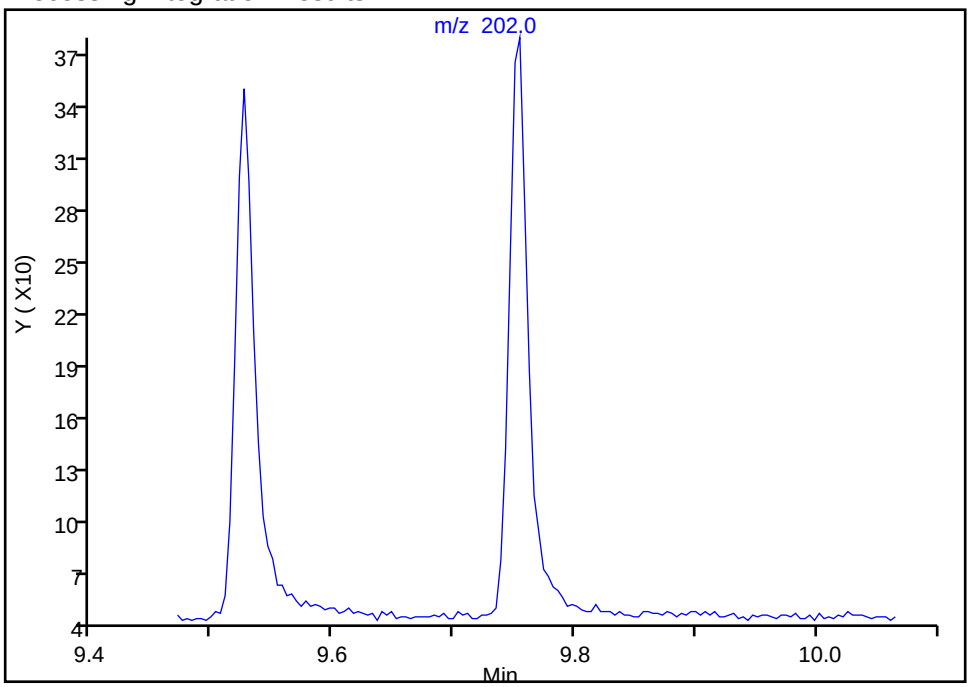
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D
Injection Date: 14-Jan-2022 05:04:30 Instrument ID: TAC050
Lims ID: std1
Client ID:
Operator ID: jcm ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

21 Pyrene, CAS: 129-00-0

Signal: 1

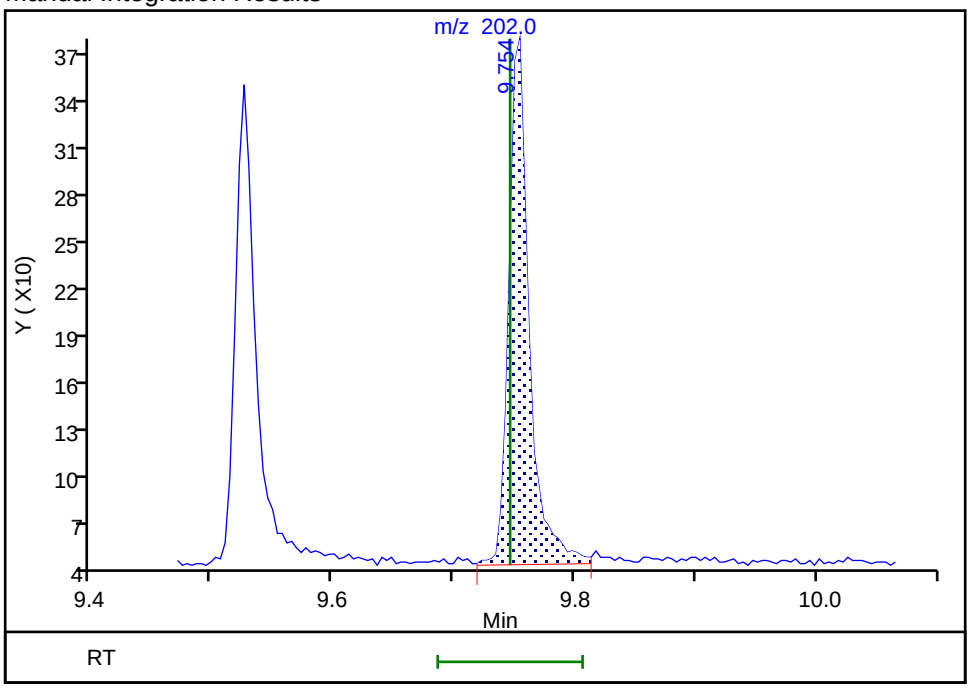
Not Detected
Expected RT: 9.75

Processing Integration Results



Manual Integration Results

RT: 9.75
Area: 386
Amount: 0.835702
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:38:23
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

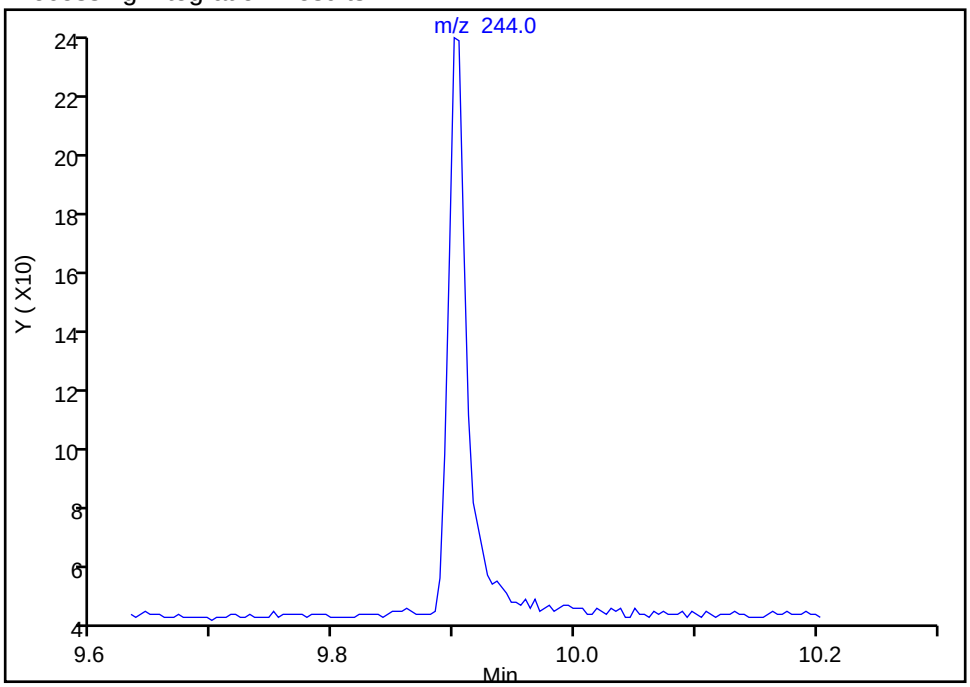
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D
Injection Date: 14-Jan-2022 05:04:30 Instrument ID: TAC050
Lims ID: std1
Client ID:
Operator ID: jcm ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

$ 9 Terphenyl-d14, CAS: 1718-51-0

Signal: 1

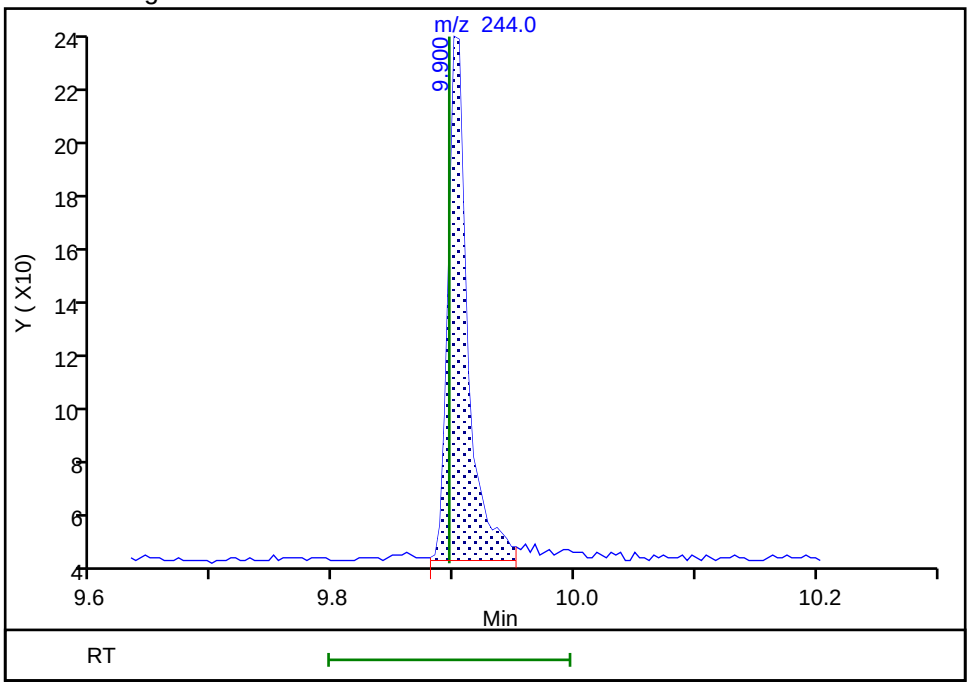
Not Detected
Expected RT: 9.90

Processing Integration Results



Manual Integration Results

RT: 9.90
Area: 216
Amount: 1.893703
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:37:13
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

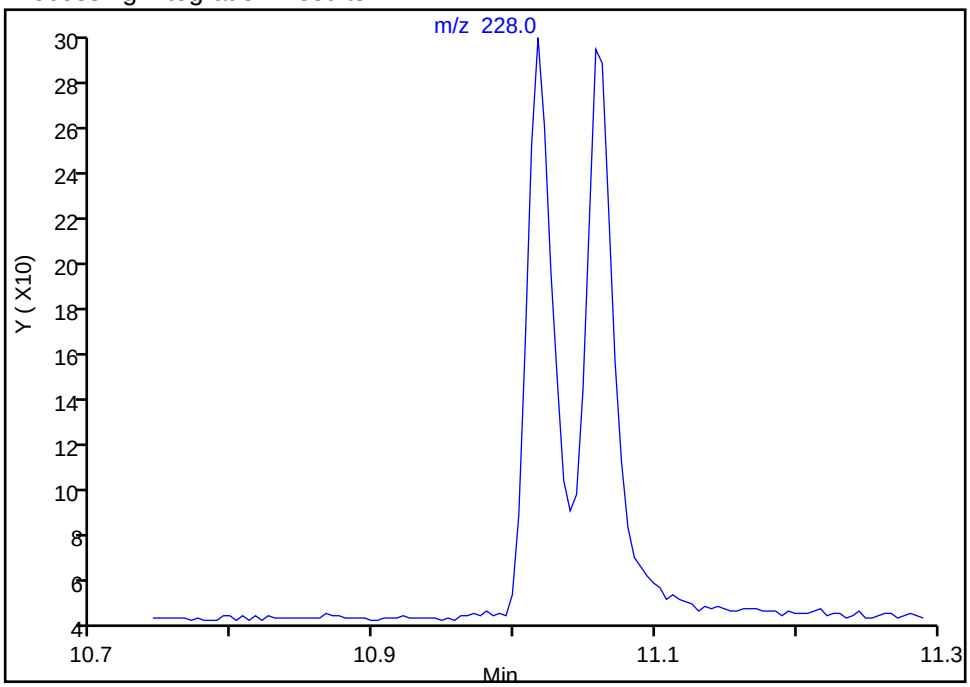
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D				
Injection Date:	14-Jan-2022 05:04:30	Instrument ID:	TAC050		
Lims ID:	std1				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

22 Benzo[a]anthracene, CAS: 56-55-3

Signal: 1

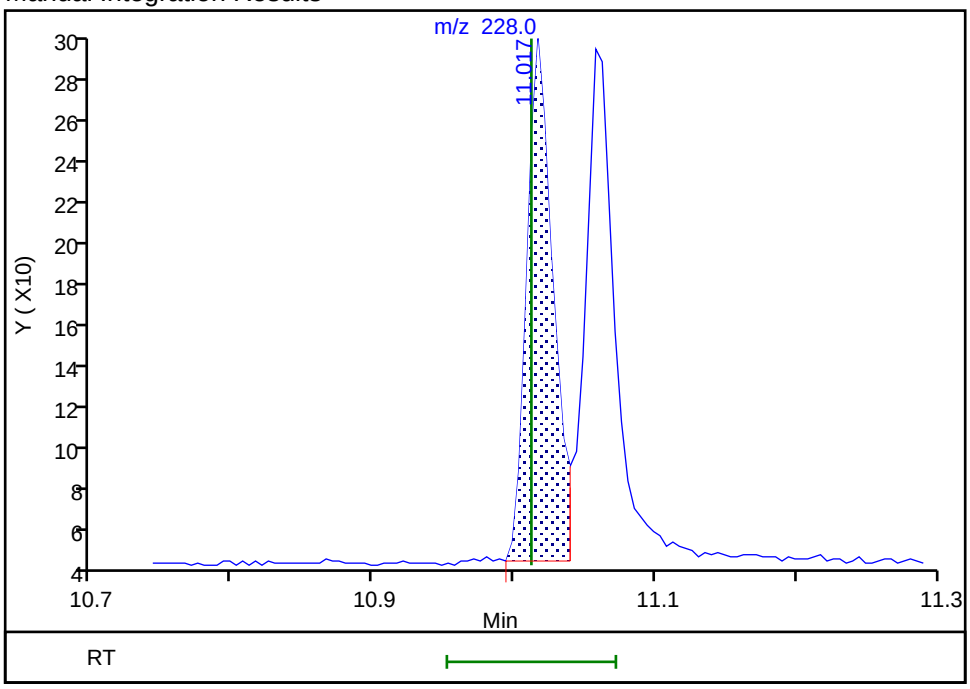
Not Detected
Expected RT: 11.01

Processing Integration Results



Manual Integration Results

RT: 11.02
Area: 316
Amount: 0.814772
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:38:31
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

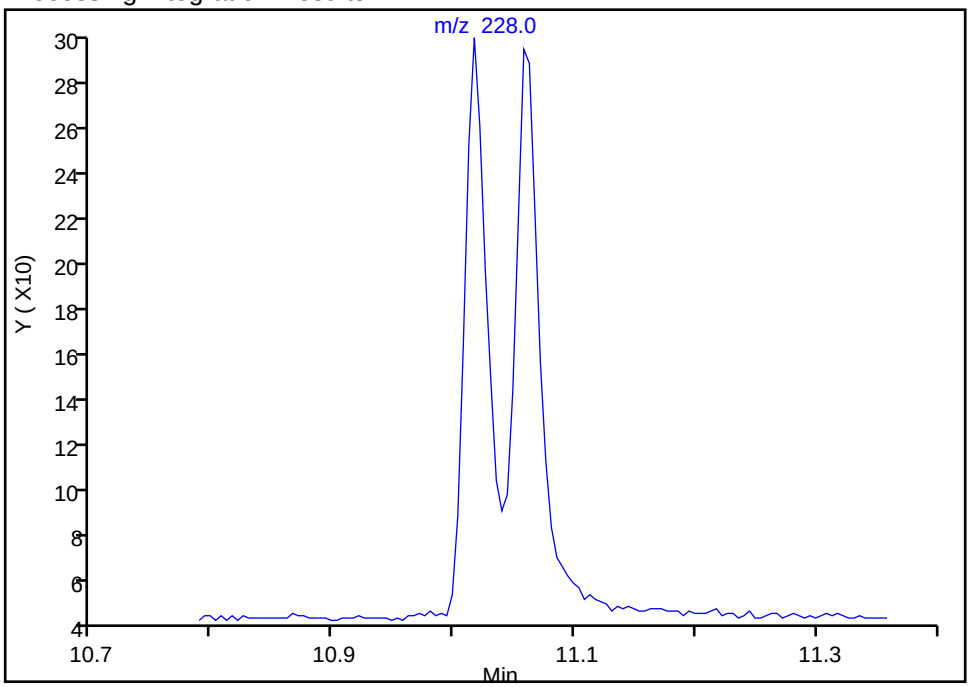
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D
Injection Date: 14-Jan-2022 05:04:30 Instrument ID: TAC050
Lims ID: std1
Client ID:
Operator ID: jcm ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

23 Chrysene, CAS: 218-01-9

Signal: 1

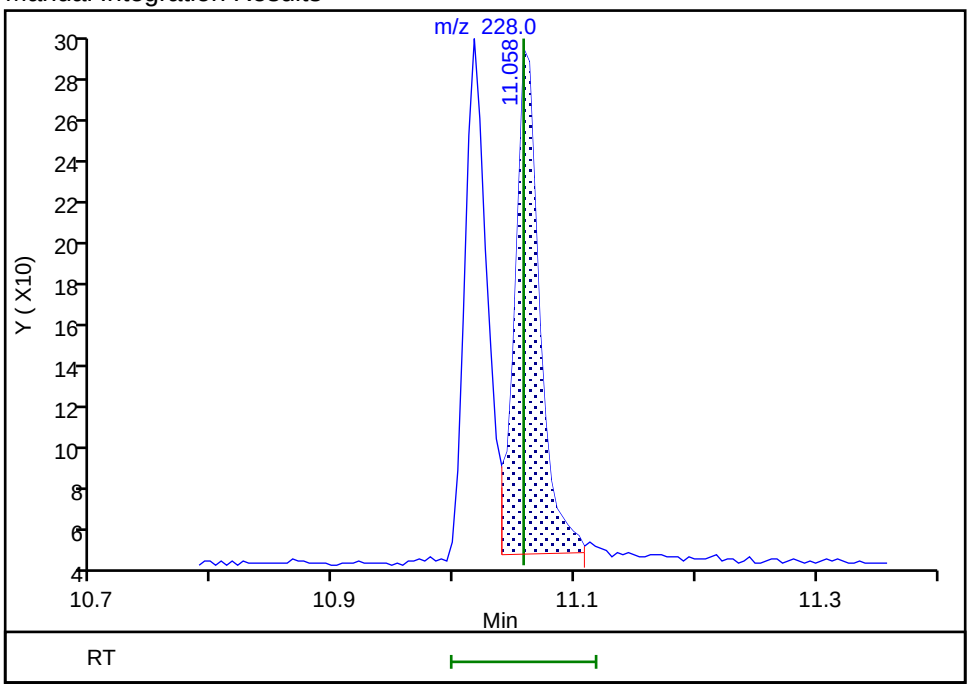
Not Detected
Expected RT: 11.06

Processing Integration Results



Manual Integration Results

RT: 11.06
Area: 341
Amount: 0.714780
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:38:38
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

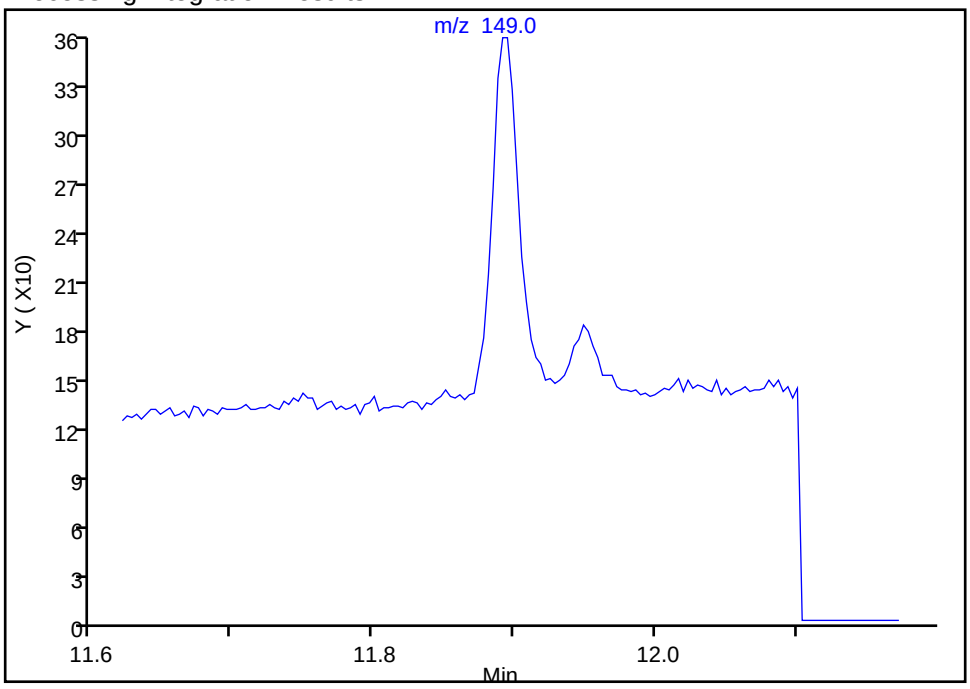
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D				
Injection Date:	14-Jan-2022 05:04:30	Instrument ID:	TAC050		
Lims ID:	std1				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

30 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7

Signal: 1

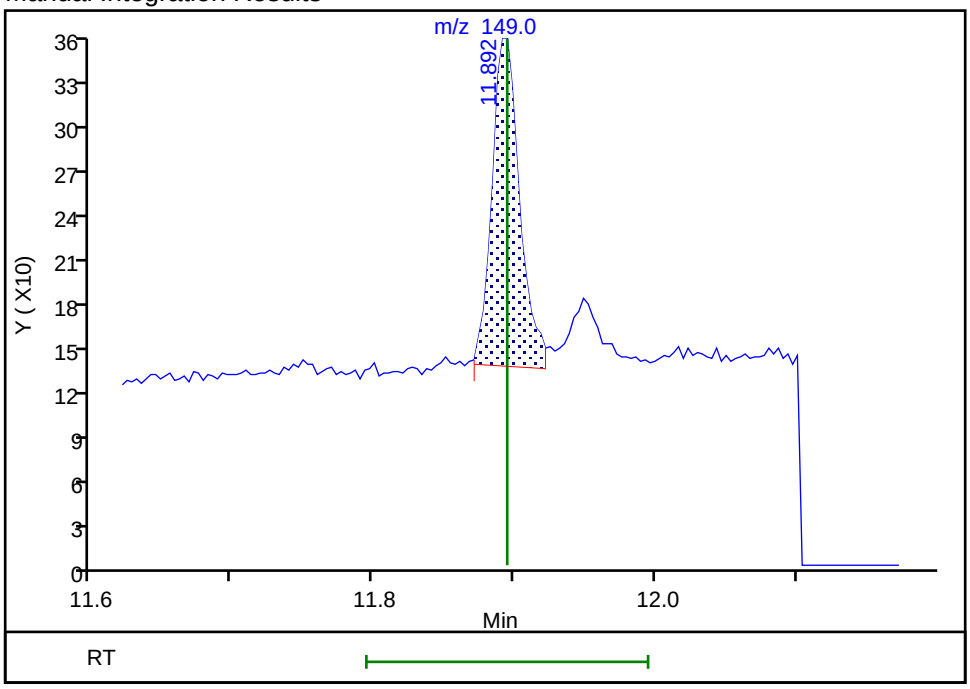
Not Detected
Expected RT: 11.89

Processing Integration Results



Manual Integration Results

RT: 11.89
Area: 301
Amount: 1.019203
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:38:44
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

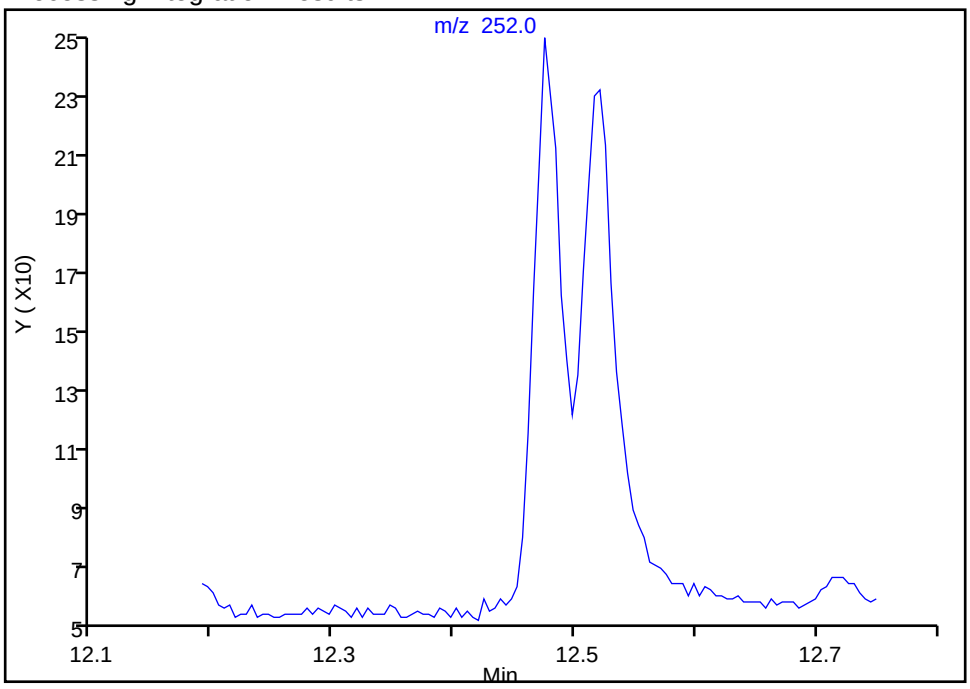
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D				
Injection Date:	14-Jan-2022 05:04:30	Instrument ID:	TAC050		
Lims ID:	std1				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

24 Benzo[b]fluoranthene, CAS: 205-99-2

Signal: 1

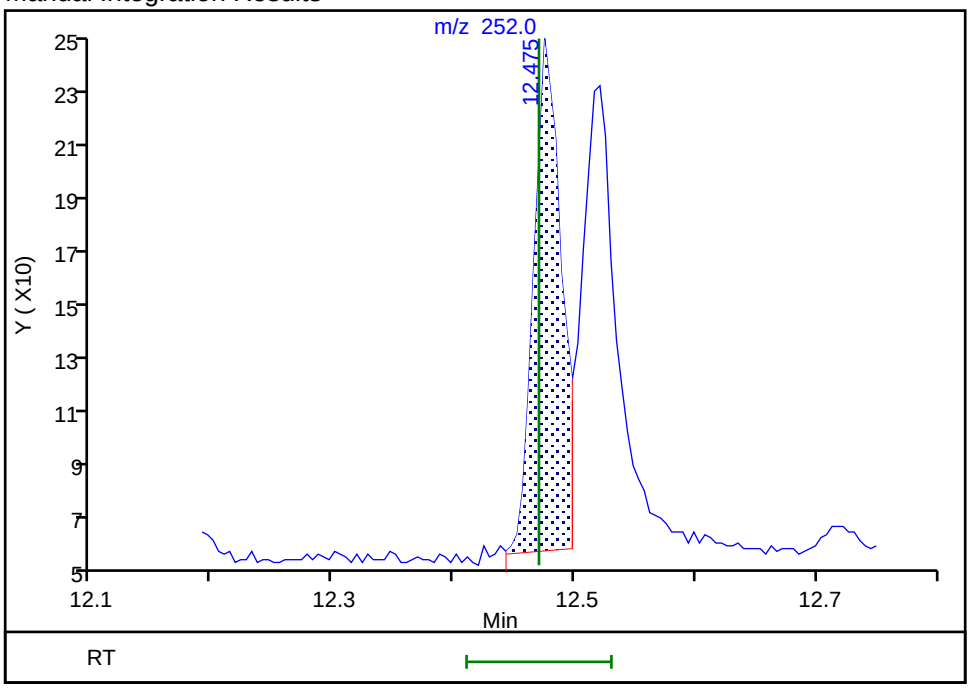
Not Detected
Expected RT: 12.47

Processing Integration Results



Manual Integration Results

RT: 12.47
Area: 286
Amount: 0.994627
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:38:50
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

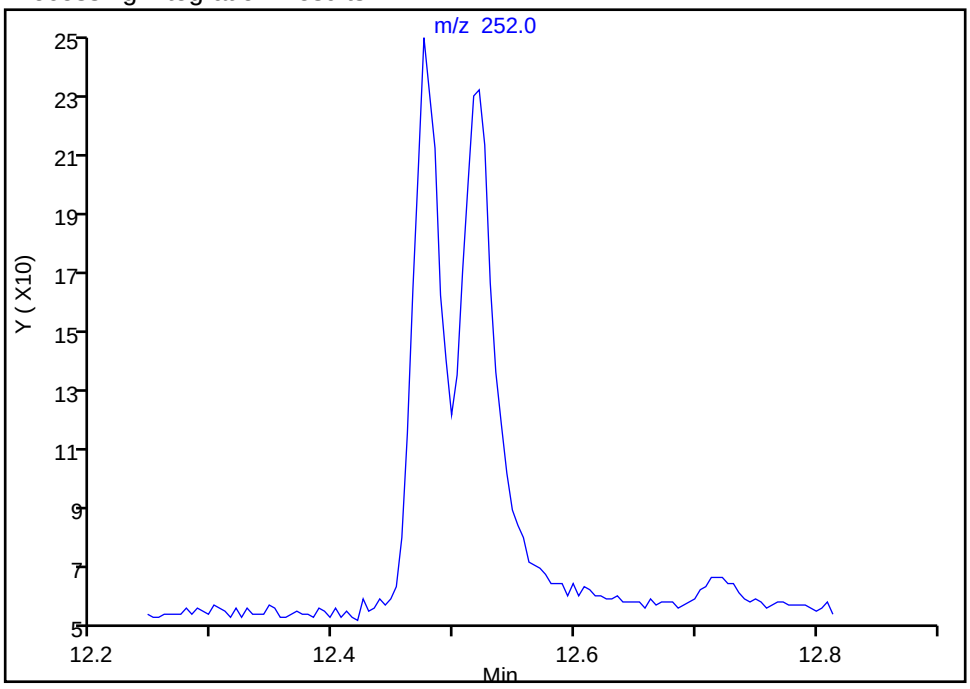
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D				
Injection Date:	14-Jan-2022 05:04:30	Instrument ID:	TAC050		
Lims ID:	std1				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

25 Benzo[k]fluoranthene, CAS: 207-08-9

Signal: 1

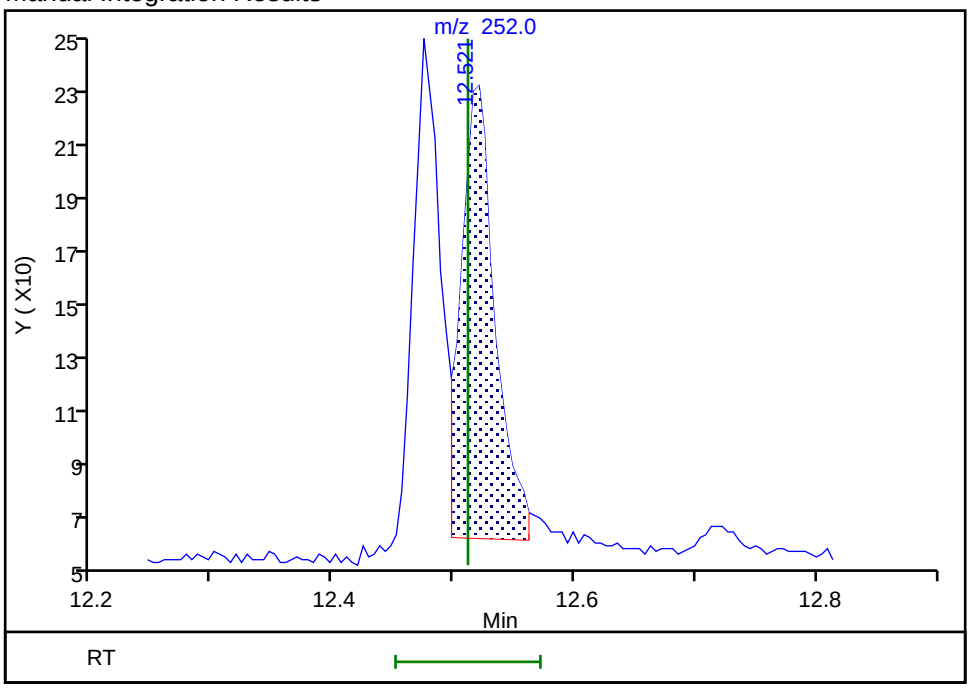
Not Detected
Expected RT: 12.51

Processing Integration Results



Manual Integration Results

RT: 12.52
Area: 313
Amount: 0.977507
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:38:55
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

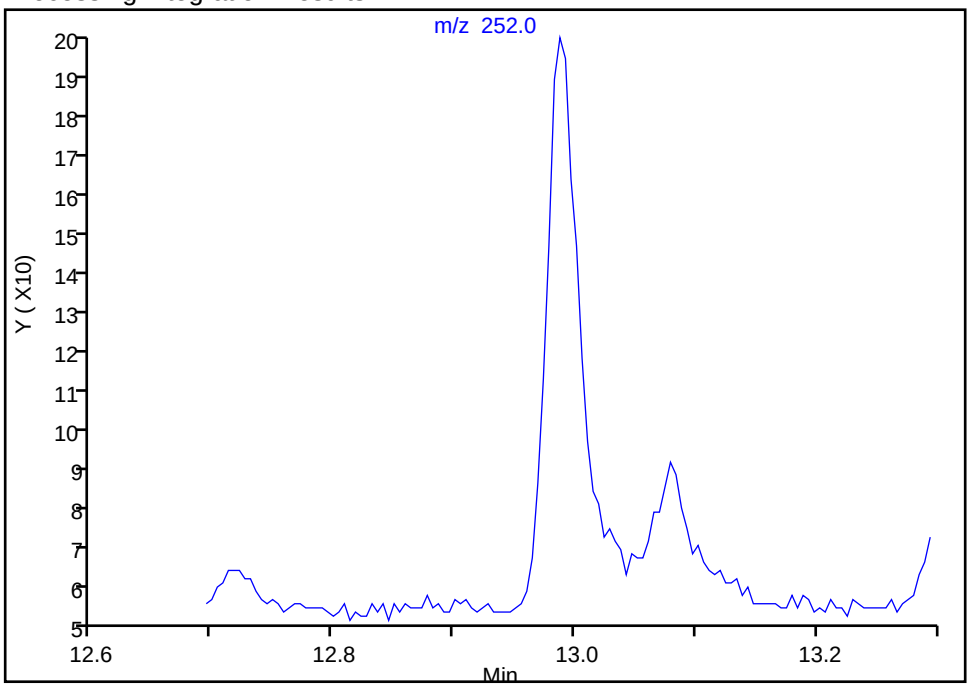
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D				
Injection Date:	14-Jan-2022 05:04:30	Instrument ID:	TAC050		
Lims ID:	std1				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

26 Benzo[a]pyrene, CAS: 50-32-8

Signal: 1

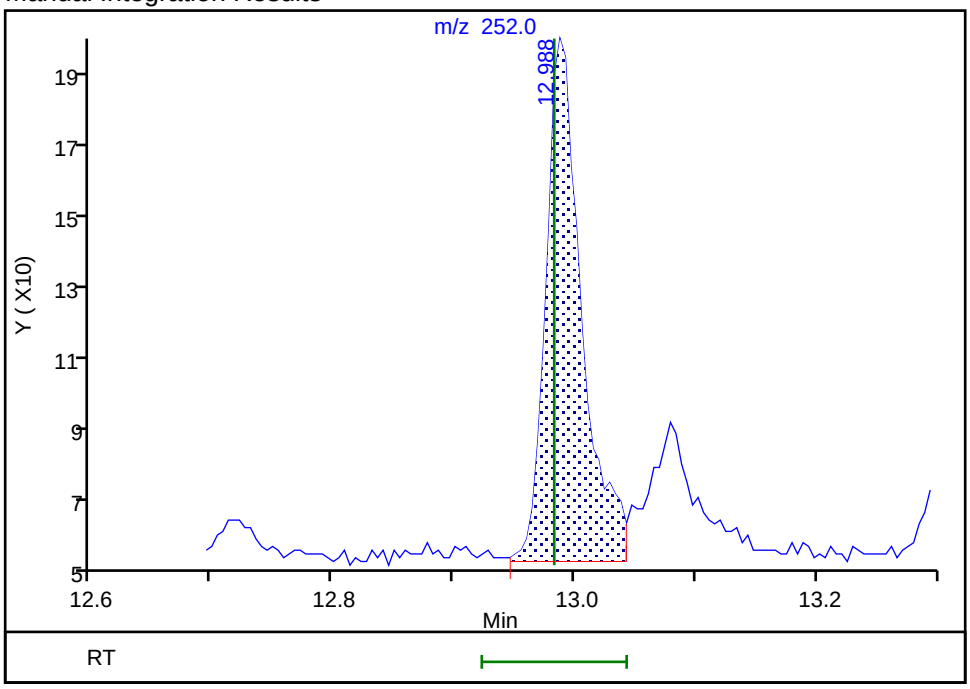
Not Detected
Expected RT: 12.98

Processing Integration Results



Manual Integration Results

RT: 12.99
Area: 285
Amount: 0.990717
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:39:04
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

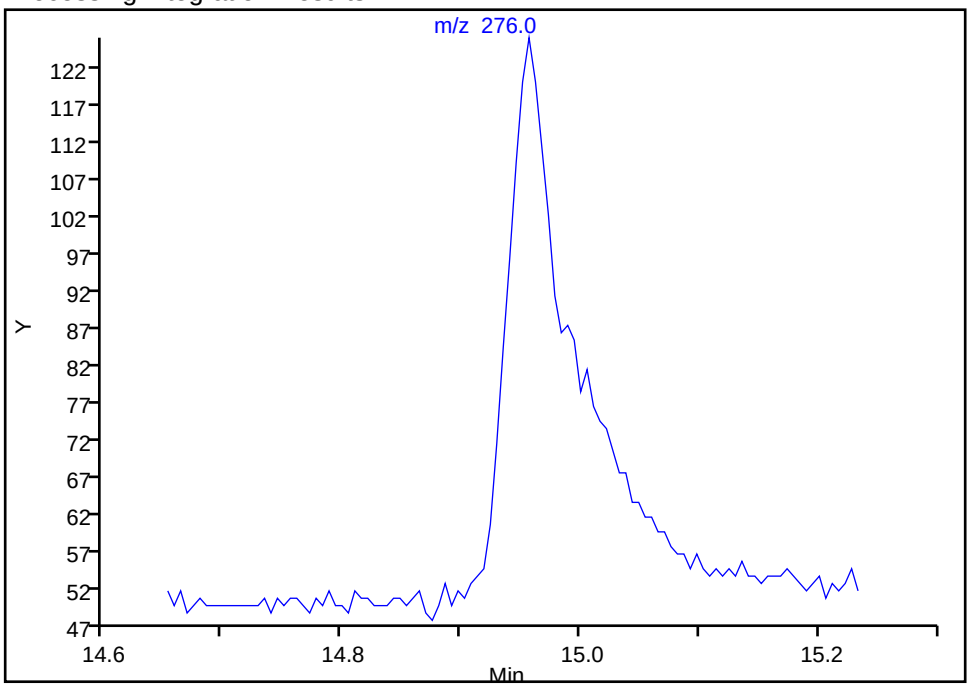
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D				
Injection Date:	14-Jan-2022 05:04:30	Instrument ID:	TAC050		
Lims ID:	std1				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

27 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

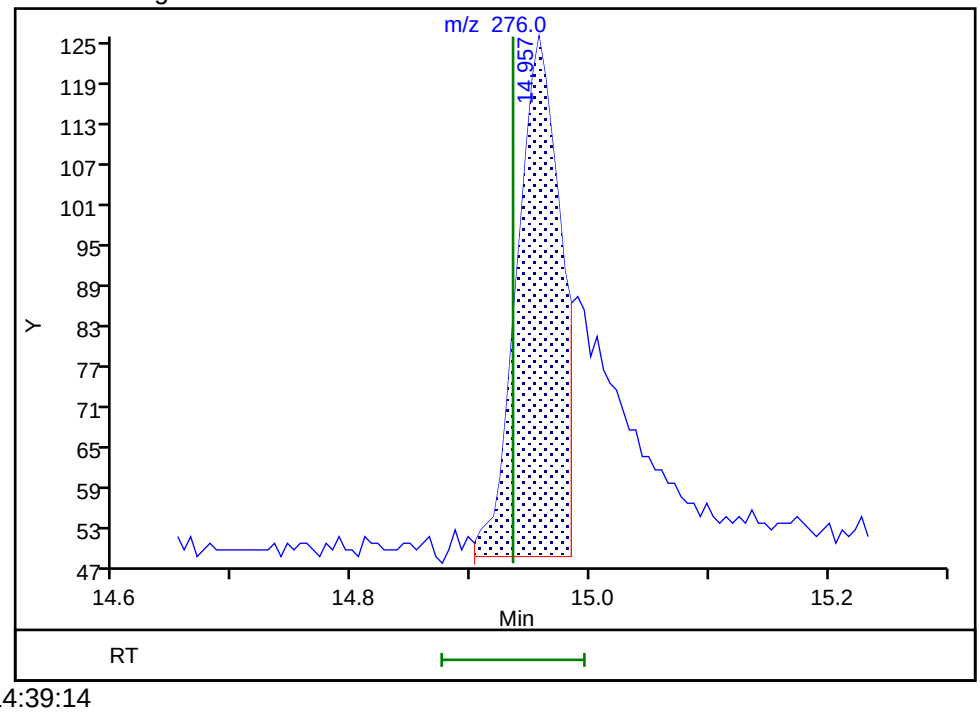
Not Detected
Expected RT: 14.93

Processing Integration Results



Manual Integration Results

RT: 14.96
Area: 194
Amount: 1.678006
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:39:14
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

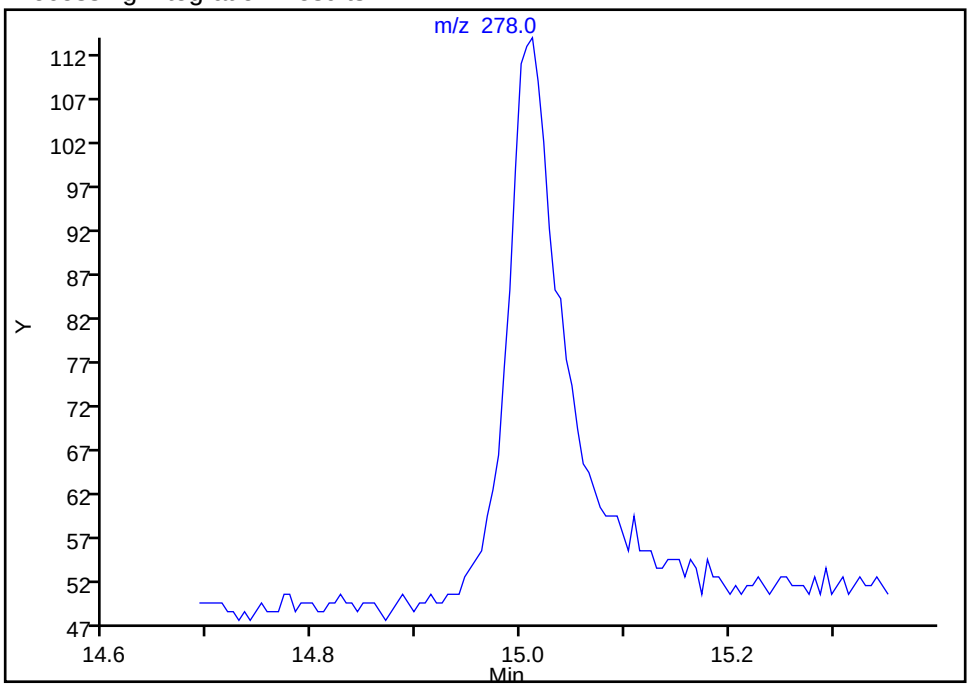
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D				
Injection Date:	14-Jan-2022 05:04:30	Instrument ID:	TAC050		
Lims ID:	std1				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

28 Dibenz(a,h)anthracene, CAS: 53-70-3

Signal: 1

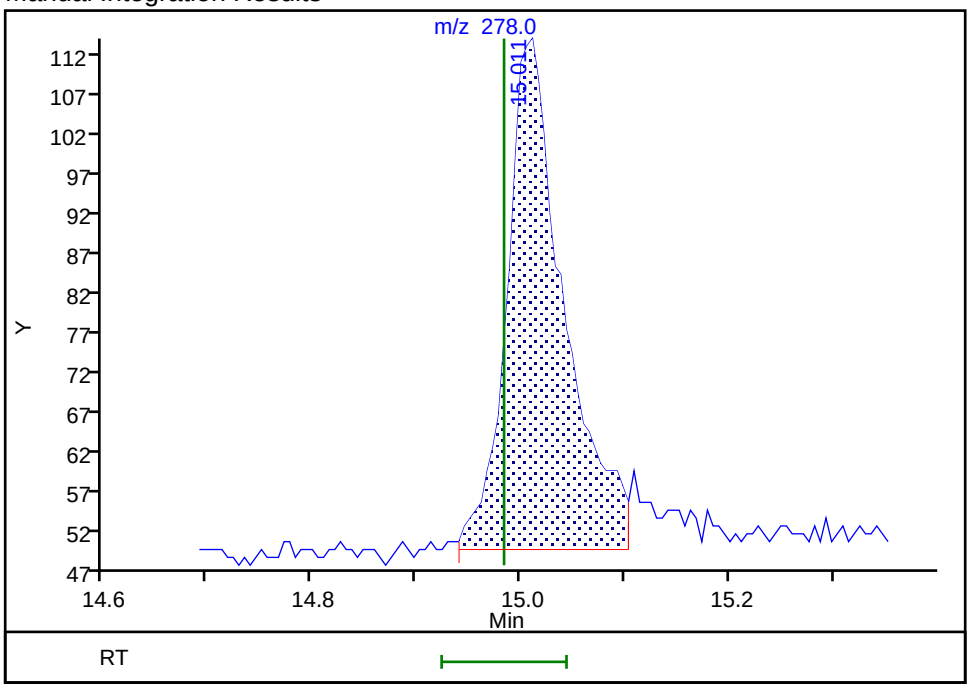
Not Detected
Expected RT: 14.98

Processing Integration Results



Manual Integration Results

RT: 15.01
Area: 246
Amount: 1.010912
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:39:23
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

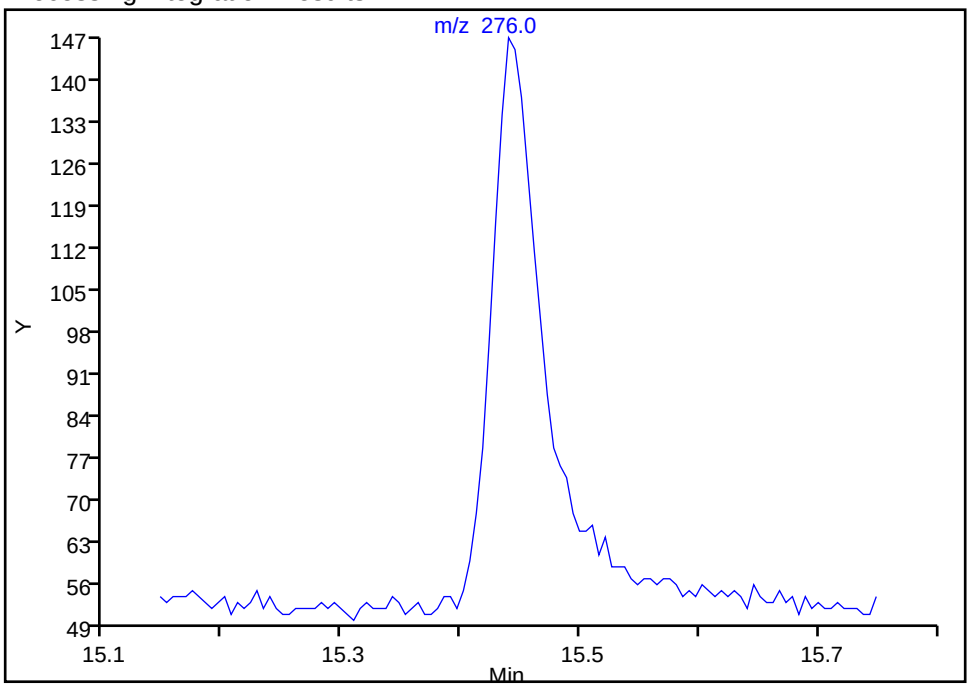
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D
Injection Date: 14-Jan-2022 05:04:30 Instrument ID: TAC050
Lims ID: std1
Client ID:
Operator ID: jcm ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

29 Benzo[g,h,i]perylene, CAS: 191-24-2

Signal: 1

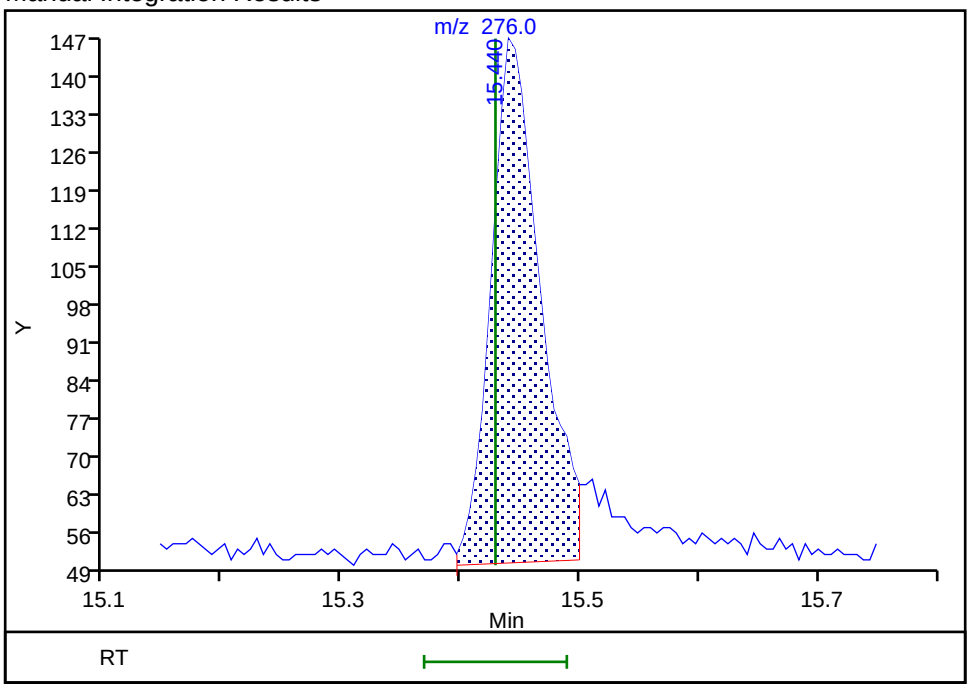
Not Detected
Expected RT: 15.43

Processing Integration Results



Manual Integration Results

RT: 15.44
Area: 281
Amount: 0.984422
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:39:32
Audit Action: Manually Integrated Audit Reason: Assign Peak

Calibration / Naphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

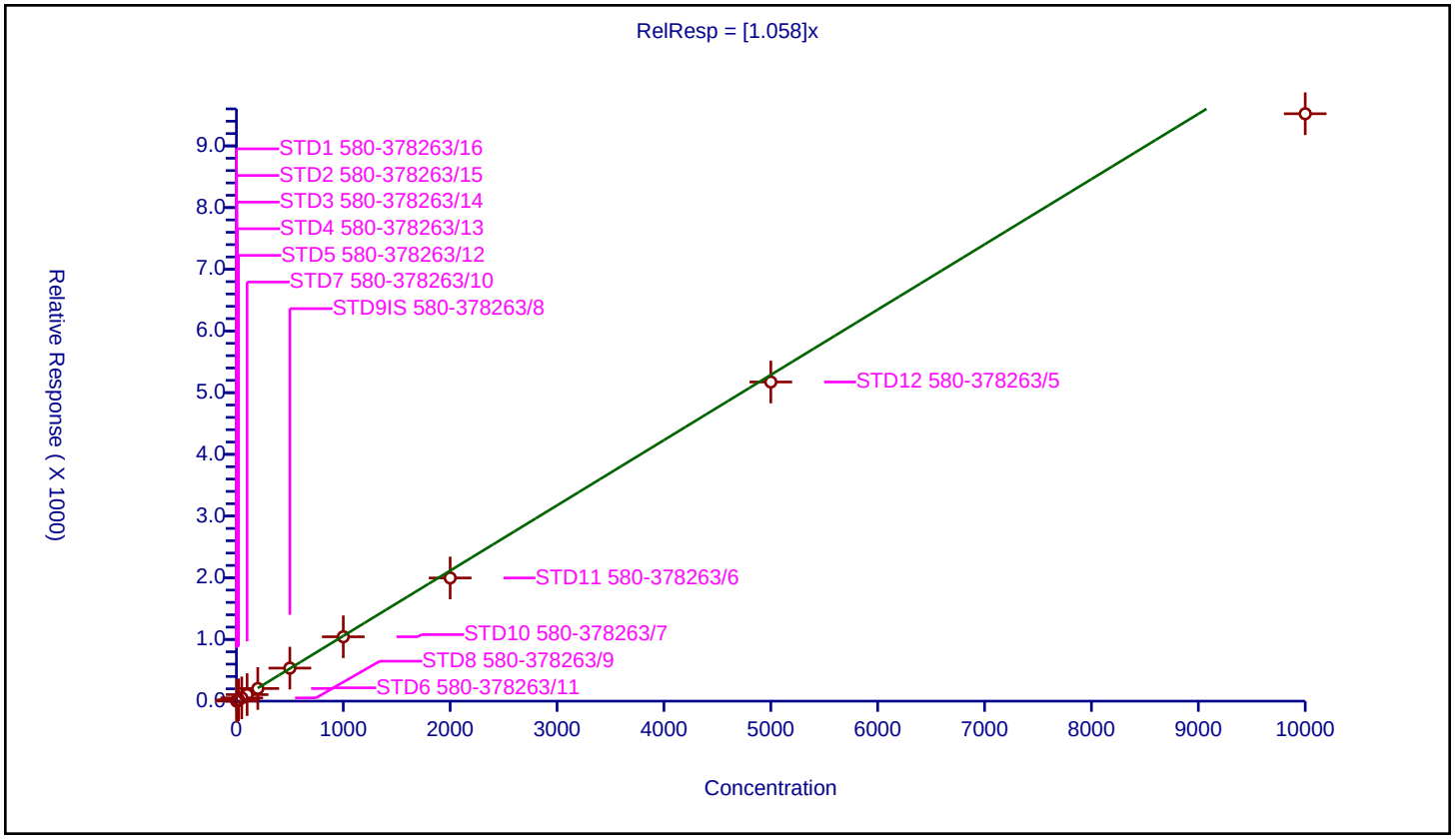
Curve Coefficients

Intercept:	0
Slope:	1.058

Error Coefficients

Standard Error:	776000
Relative Standard Error:	5.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-378263/16	1.0	1.234627	100.0	20735.0	1.234627	N
2	STD2 580-378263/15	2.0	2.366313	100.0	21468.0	1.183156	Y
3	STD3 580-378263/14	5.0	5.520449	100.0	22788.0	1.10409	Y
4	STD4 580-378263/13	10.0	10.790345	100.0	21130.0	1.079035	Y
5	STD5 580-378263/12	20.0	21.69931	100.0	21291.0	1.084965	Y
6	STD6 580-378263/11	50.0	52.857677	100.0	21416.0	1.057154	Y
7	STD7 580-378263/10	100.0	105.88261	100.0	22864.0	1.058826	Y
8	STD8 580-378263/9	200.0	205.02246	100.0	25824.0	1.025112	Y
9	STD9IS 580-378263/8	500.0	535.471953	100.0	22195.0	1.070944	Y
10	STD10 580-378263/7	1000.0	1043.259661	100.0	23211.0	1.04326	Y
11	STD11 580-378263/6	2000.0	1996.965844	100.0	22807.0	0.998483	Y
12	STD12 580-378263/5	5000.0	5173.262203	100.0	21838.0	1.034652	Y
13	STD13 580-378263/4	10000.0	9521.454393	100.0	23790.0	0.952145	Y



Calibration / 2-methylnaphthalene-d10

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

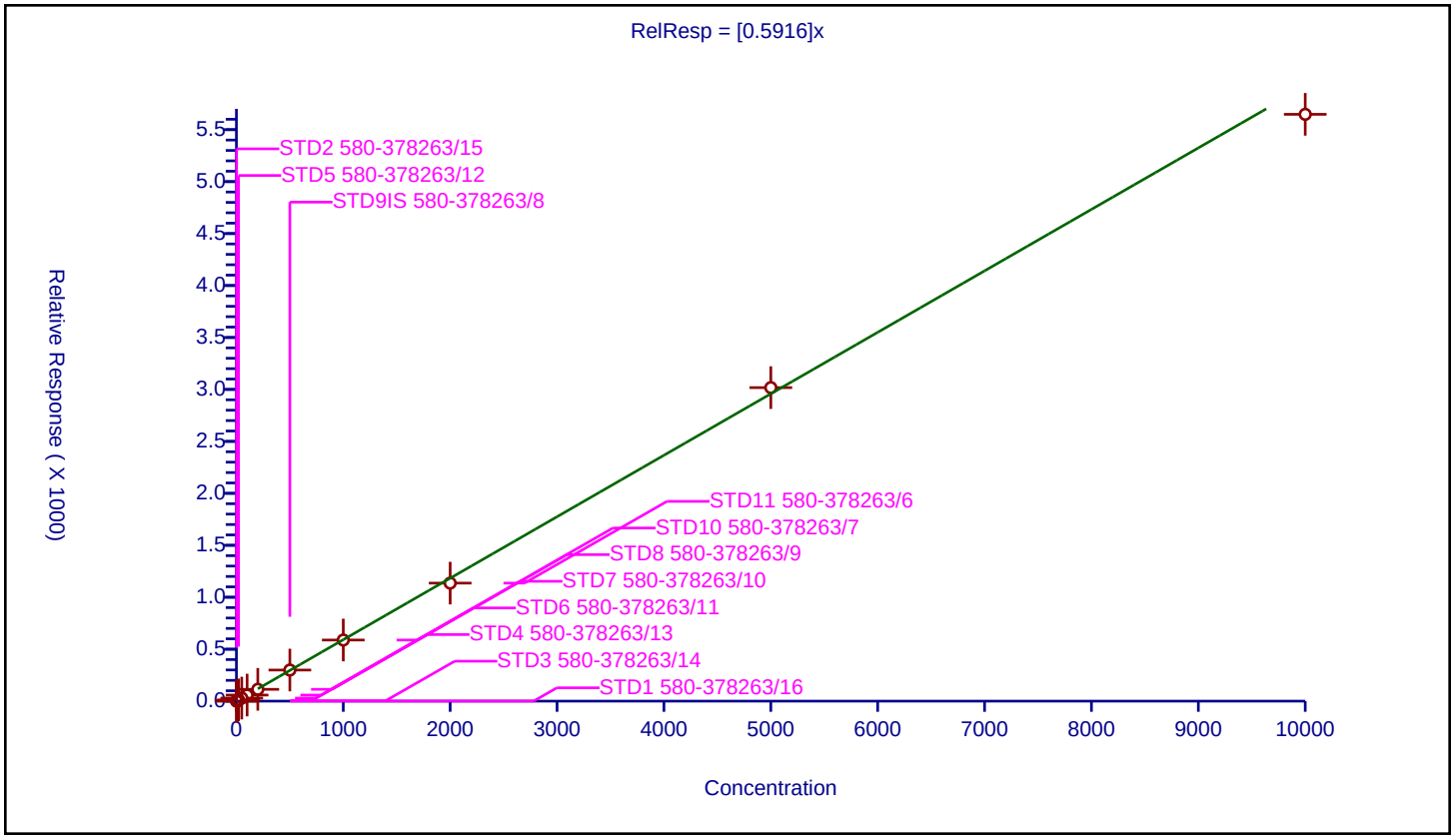
Curve Coefficients

Intercept:	0
Slope:	0.5916

Error Coefficients

Standard Error:	439000
Relative Standard Error:	4.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-378263/16	1.0	0.588377	100.0	20735.0	0.588377	Y
2	STD2 580-378263/15	2.0	1.318241	100.0	21468.0	0.659121	Y
3	STD3 580-378263/14	5.0	2.957697	100.0	22788.0	0.591539	Y
4	STD4 580-378263/13	10.0	5.911027	100.0	21130.0	0.591103	Y
5	STD5 580-378263/12	20.0	11.897046	100.0	21291.0	0.594852	Y
6	STD6 580-378263/11	50.0	29.407919	100.0	21416.0	0.588158	Y
7	STD7 580-378263/10	100.0	58.620539	100.0	22864.0	0.586205	Y
8	STD8 580-378263/9	200.0	113.665582	100.0	25824.0	0.568328	Y
9	STD9IS 580-378263/8	500.0	299.378238	100.0	22195.0	0.598756	Y
10	STD10 580-378263/7	1000.0	588.040153	100.0	23211.0	0.58804	Y
11	STD11 580-378263/6	2000.0	1136.067874	100.0	22807.0	0.568034	Y
12	STD12 580-378263/5	5000.0	3017.377965	100.0	21838.0	0.603476	Y
13	STD13 580-378263/4	10000.0	5647.595628	100.0	23790.0	0.56476	Y



Calibration / 2-Methylnaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

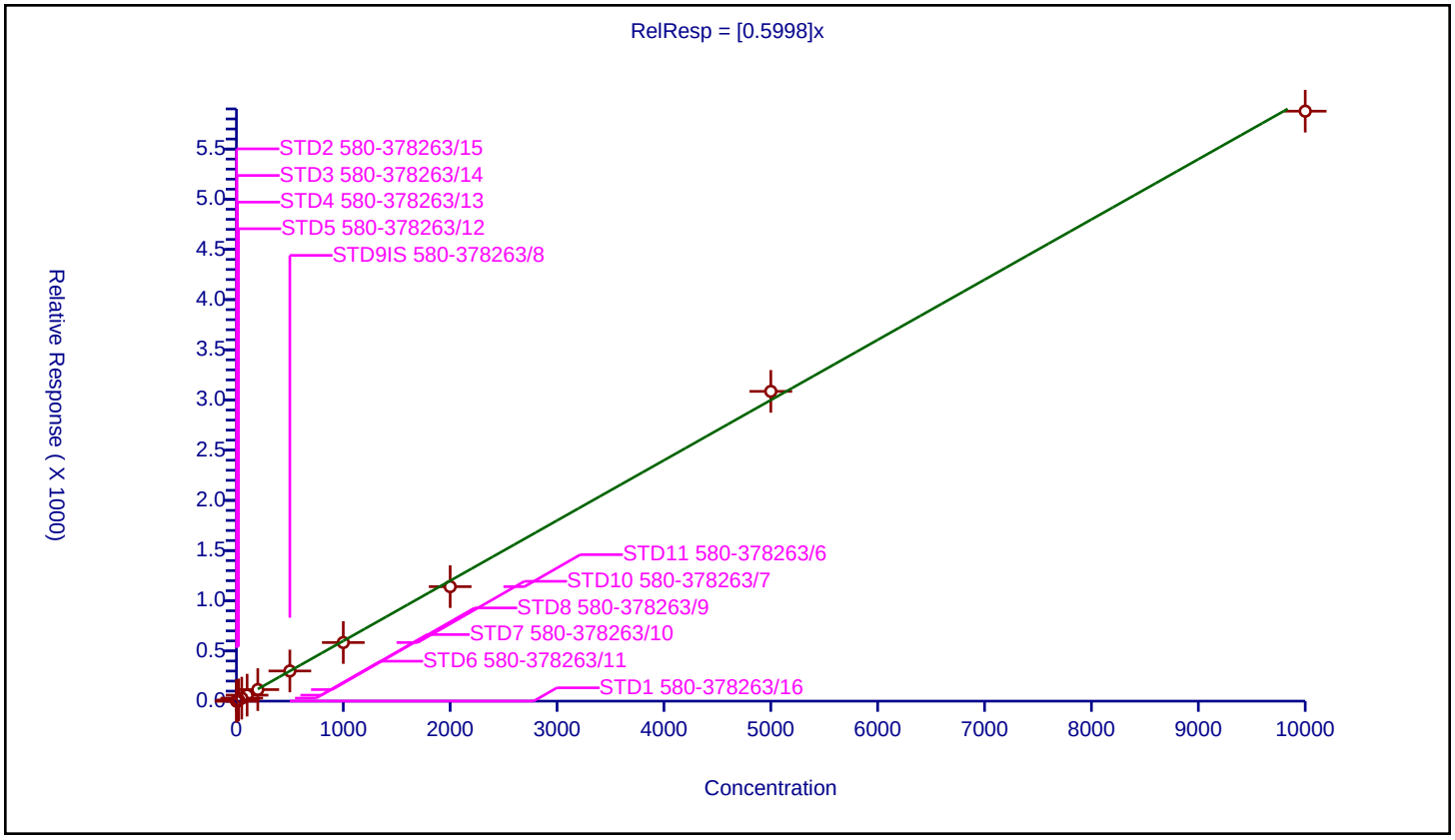
Curve Coefficients

Intercept:	0
Slope:	0.5998

Error Coefficients

Standard Error:	455000
Relative Standard Error:	3.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-378263/16	1.0	0.588377	100.0	20735.0	0.588377	Y
2	STD2 580-378263/15	2.0	1.313583	100.0	21468.0	0.656792	Y
3	STD3 580-378263/14	5.0	3.080569	100.0	22788.0	0.616114	Y
4	STD4 580-378263/13	10.0	6.029342	100.0	21130.0	0.602934	Y
5	STD5 580-378263/12	20.0	12.108403	100.0	21291.0	0.60542	Y
6	STD6 580-378263/11	50.0	29.916885	100.0	21416.0	0.598338	Y
7	STD7 580-378263/10	100.0	59.490903	100.0	22864.0	0.594909	Y
8	STD8 580-378263/9	200.0	114.935719	100.0	25824.0	0.574679	Y
9	STD9IS 580-378263/8	500.0	300.567695	100.0	22195.0	0.601135	Y
10	STD10 580-378263/7	1000.0	583.904183	100.0	23211.0	0.583904	Y
11	STD11 580-378263/6	2000.0	1140.434954	100.0	22807.0	0.570217	Y
12	STD12 580-378263/5	5000.0	3085.928199	100.0	21838.0	0.617186	Y
13	STD13 580-378263/4	10000.0	5877.435897	100.0	23790.0	0.587744	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

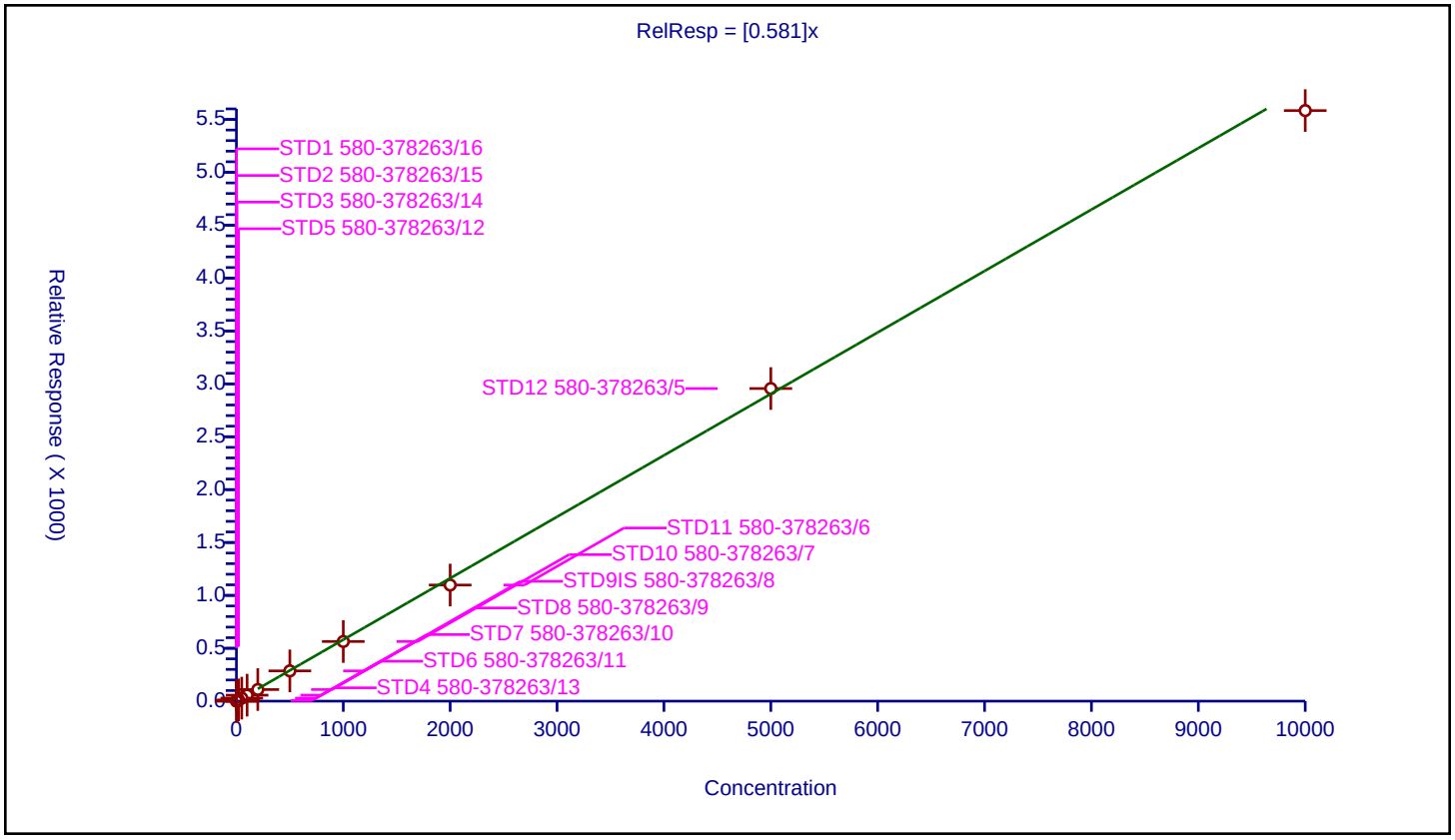
Curve Coefficients

Intercept:	0
Slope:	0.581

Error Coefficients

Standard Error:	433000
Relative Standard Error:	5.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-378263/16	1.0	0.641428	100.0	20735.0	0.641428	Y
2	STD2 580-378263/15	2.0	1.276318	100.0	21468.0	0.638159	Y
3	STD3 580-378263/14	5.0	2.944532	100.0	22788.0	0.588906	Y
4	STD4 580-378263/13	10.0	5.792712	100.0	21130.0	0.579271	Y
5	STD5 580-378263/12	20.0	11.699779	100.0	21291.0	0.584989	Y
6	STD6 580-378263/11	50.0	28.576765	100.0	21416.0	0.571535	Y
7	STD7 580-378263/10	100.0	56.604269	100.0	22864.0	0.566043	Y
8	STD8 580-378263/9	200.0	109.576363	100.0	25824.0	0.547882	Y
9	STD9IS 580-378263/8	500.0	286.222122	100.0	22195.0	0.572444	Y
10	STD10 580-378263/7	1000.0	563.879195	100.0	23211.0	0.563879	Y
11	STD11 580-378263/6	2000.0	1097.803306	100.0	22807.0	0.548902	Y
12	STD12 580-378263/5	5000.0	2955.865922	100.0	21838.0	0.591173	Y
13	STD13 580-378263/4	10000.0	5583.917612	100.0	23790.0	0.558392	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

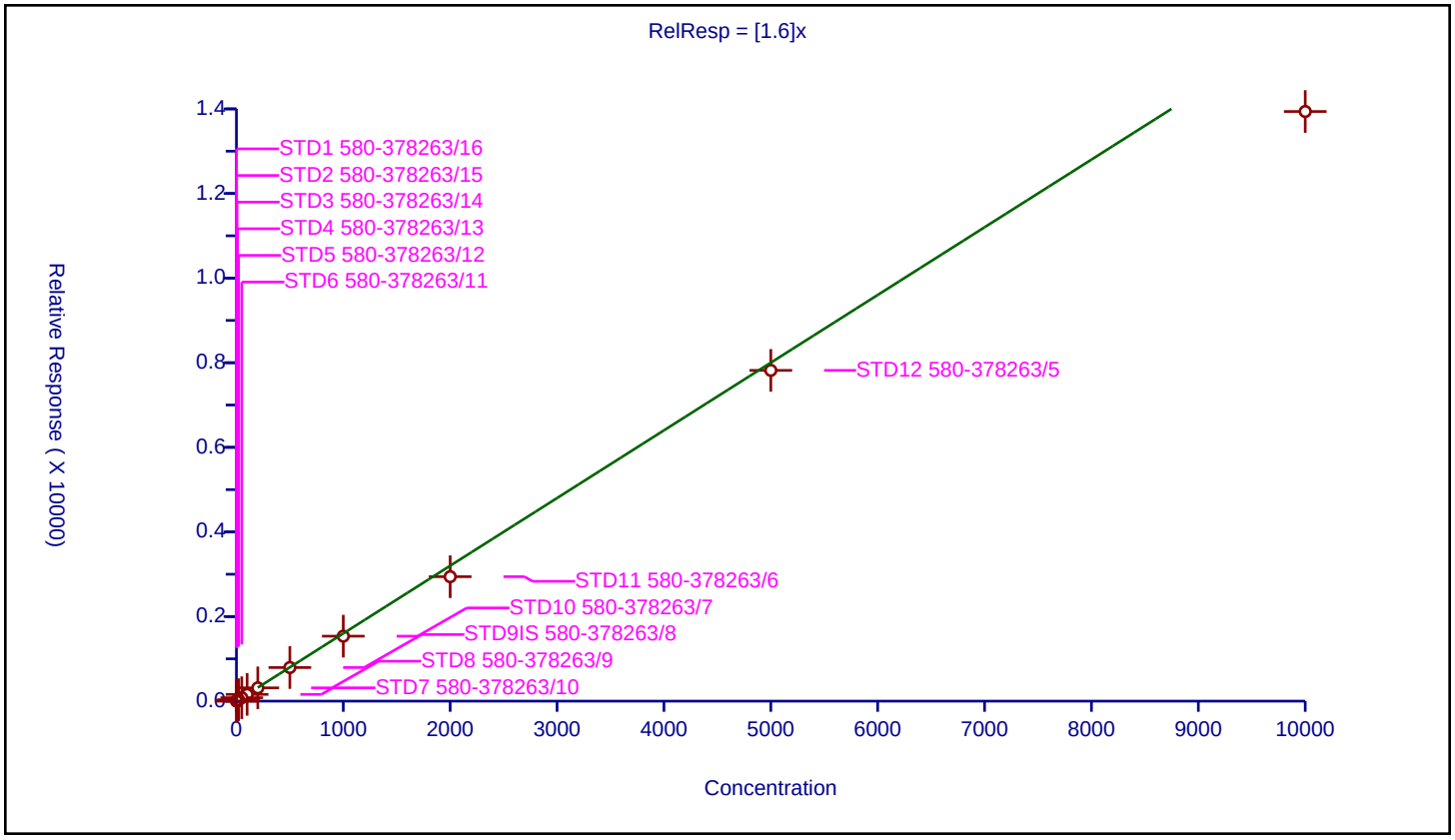
Curve Coefficients

Intercept:	0
Slope:	1.6

Error Coefficients

Standard Error:	559000
Relative Standard Error:	6.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-378263/16	1.0	1.719387	100.0	9073.0	1.719387	Y
2	STD2 580-378263/15	2.0	3.531266	100.0	9515.0	1.765633	Y
3	STD3 580-378263/14	5.0	8.434568	100.0	10125.0	1.686914	Y
4	STD4 580-378263/13	10.0	16.449391	100.0	9435.0	1.644939	Y
5	STD5 580-378263/12	20.0	32.924165	100.0	9613.0	1.646208	Y
6	STD6 580-378263/11	50.0	81.025958	100.0	9708.0	1.620519	Y
7	STD7 580-378263/10	100.0	159.729548	100.0	10427.0	1.597295	Y
8	STD8 580-378263/9	200.0	313.696299	100.0	11755.0	1.568481	Y
9	STD9IS 580-378263/8	500.0	794.071491	100.0	10323.0	1.588143	Y
10	STD10 580-378263/7	1000.0	1536.206583	100.0	10998.0	1.536207	Y
11	STD11 580-378263/6	2000.0	2942.006927	100.0	10972.0	1.471003	Y
12	STD12 580-378263/5	5000.0	7818.631609	100.0	10611.0	1.563726	Y
13	STD13 580-378263/4	10000.0	13938.568092	100.0	12417.0	1.393857	Y



Calibration / Acenaphthylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

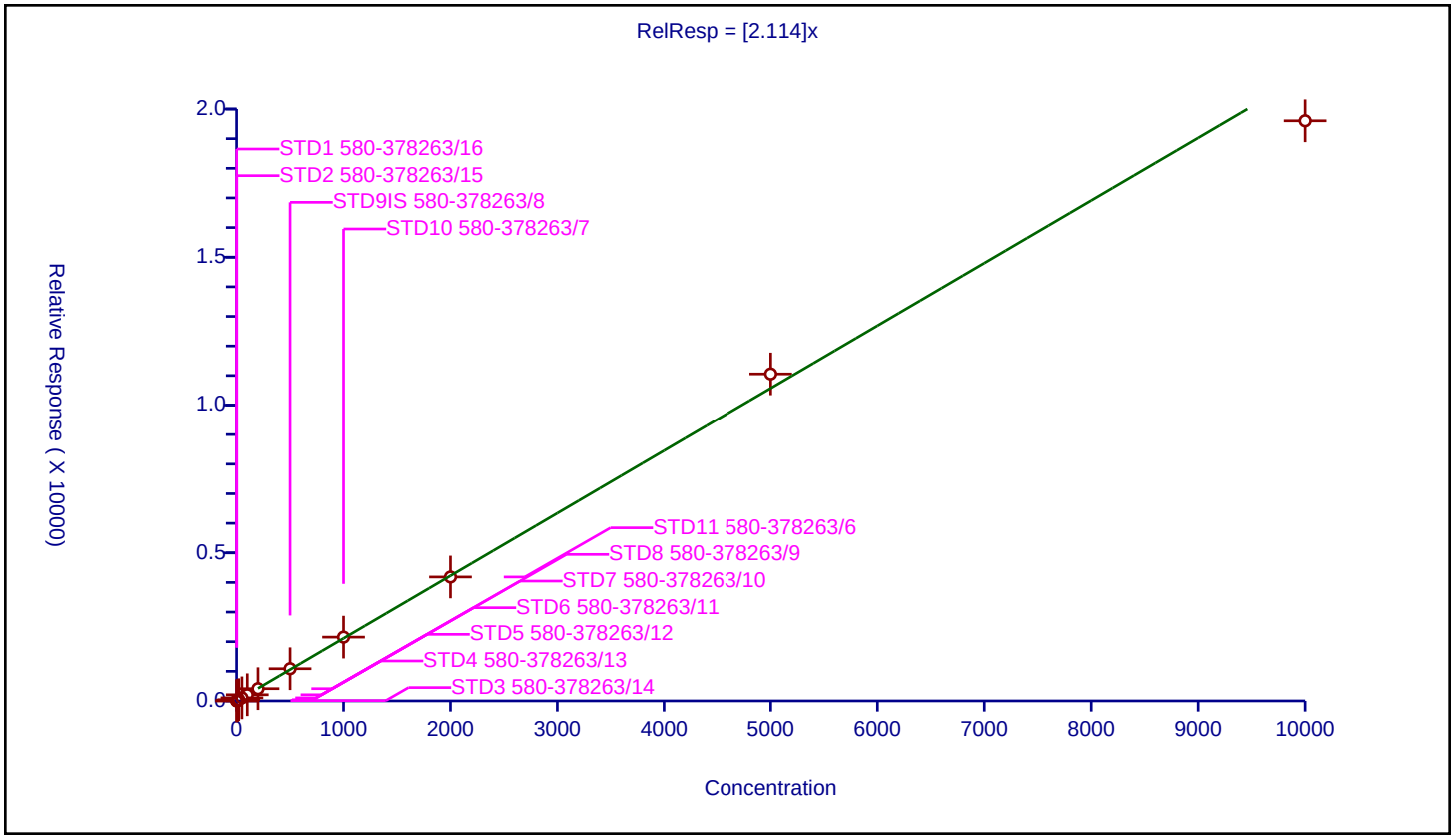
Curve Coefficients

Intercept:	0
Slope:	2.114

Error Coefficients

Standard Error:	788000
Relative Standard Error:	3.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-378263/16	1.0	2.193321	100.0	9073.0	2.193321	Y
2	STD2 580-378263/15	2.0	4.435102	100.0	9515.0	2.217551	Y
3	STD3 580-378263/14	5.0	10.498765	100.0	10125.0	2.099753	Y
4	STD4 580-378263/13	10.0	20.63593	100.0	9435.0	2.063593	Y
5	STD5 580-378263/12	20.0	41.620722	100.0	9613.0	2.081036	Y
6	STD6 580-378263/11	50.0	104.233622	100.0	9708.0	2.084672	Y
7	STD7 580-378263/10	100.0	208.593076	100.0	10427.0	2.085931	Y
8	STD8 580-378263/9	200.0	412.930668	100.0	11755.0	2.064653	Y
9	STD9IS 580-378263/8	500.0	1087.135523	100.0	10323.0	2.174271	Y
10	STD10 580-378263/7	1000.0	2155.000909	100.0	10998.0	2.155001	Y
11	STD11 580-378263/6	2000.0	4185.435654	100.0	10972.0	2.092718	Y
12	STD12 580-378263/5	5000.0	11054.688531	100.0	10611.0	2.210938	Y
13	STD13 580-378263/4	10000.0	19603.511315	100.0	12417.0	1.960351	Y



Calibration / Acenaphthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

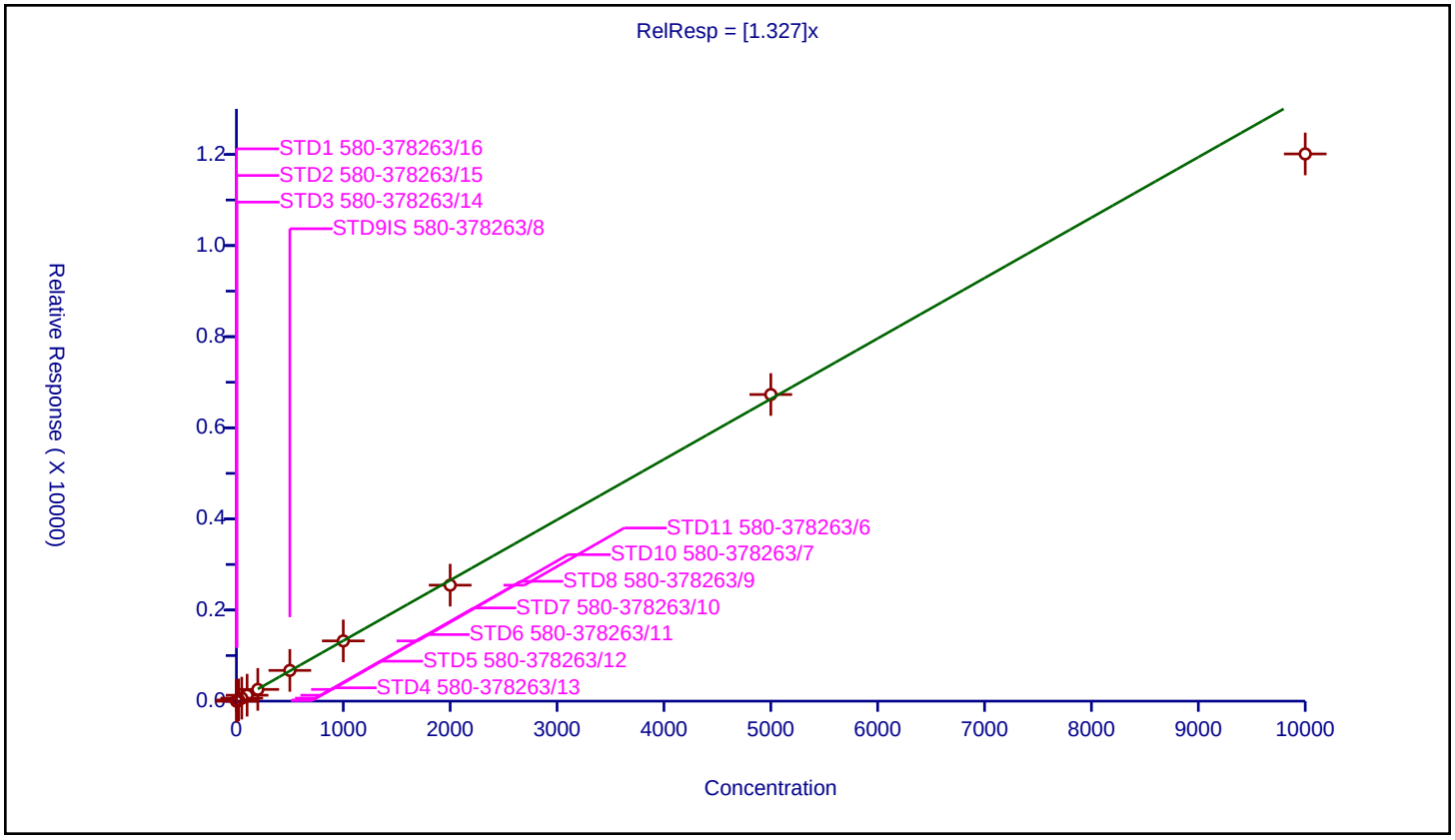
Curve Coefficients

Intercept:	0
Slope:	1.327

Error Coefficients

Standard Error:	482000
Relative Standard Error:	4.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-378263/16	1.0	1.377714	100.0	9073.0	1.377714	Y
2	STD2 580-378263/15	2.0	2.974251	100.0	9515.0	1.487126	Y
3	STD3 580-378263/14	5.0	6.735802	100.0	10125.0	1.34716	Y
4	STD4 580-378263/13	10.0	13.227345	100.0	9435.0	1.322734	Y
5	STD5 580-378263/12	20.0	26.516176	100.0	9613.0	1.325809	Y
6	STD6 580-378263/11	50.0	65.471776	100.0	9708.0	1.309436	Y
7	STD7 580-378263/10	100.0	129.941498	100.0	10427.0	1.299415	Y
8	STD8 580-378263/9	200.0	257.337303	100.0	11755.0	1.286687	Y
9	STD9IS 580-378263/8	500.0	674.610094	100.0	10323.0	1.34922	Y
10	STD10 580-378263/7	1000.0	1322.076741	100.0	10998.0	1.322077	Y
11	STD11 580-378263/6	2000.0	2545.743711	100.0	10972.0	1.272872	Y
12	STD12 580-378263/5	5000.0	6730.524927	100.0	10611.0	1.346105	Y
13	STD13 580-378263/4	10000.0	12011.524523	100.0	12417.0	1.201152	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

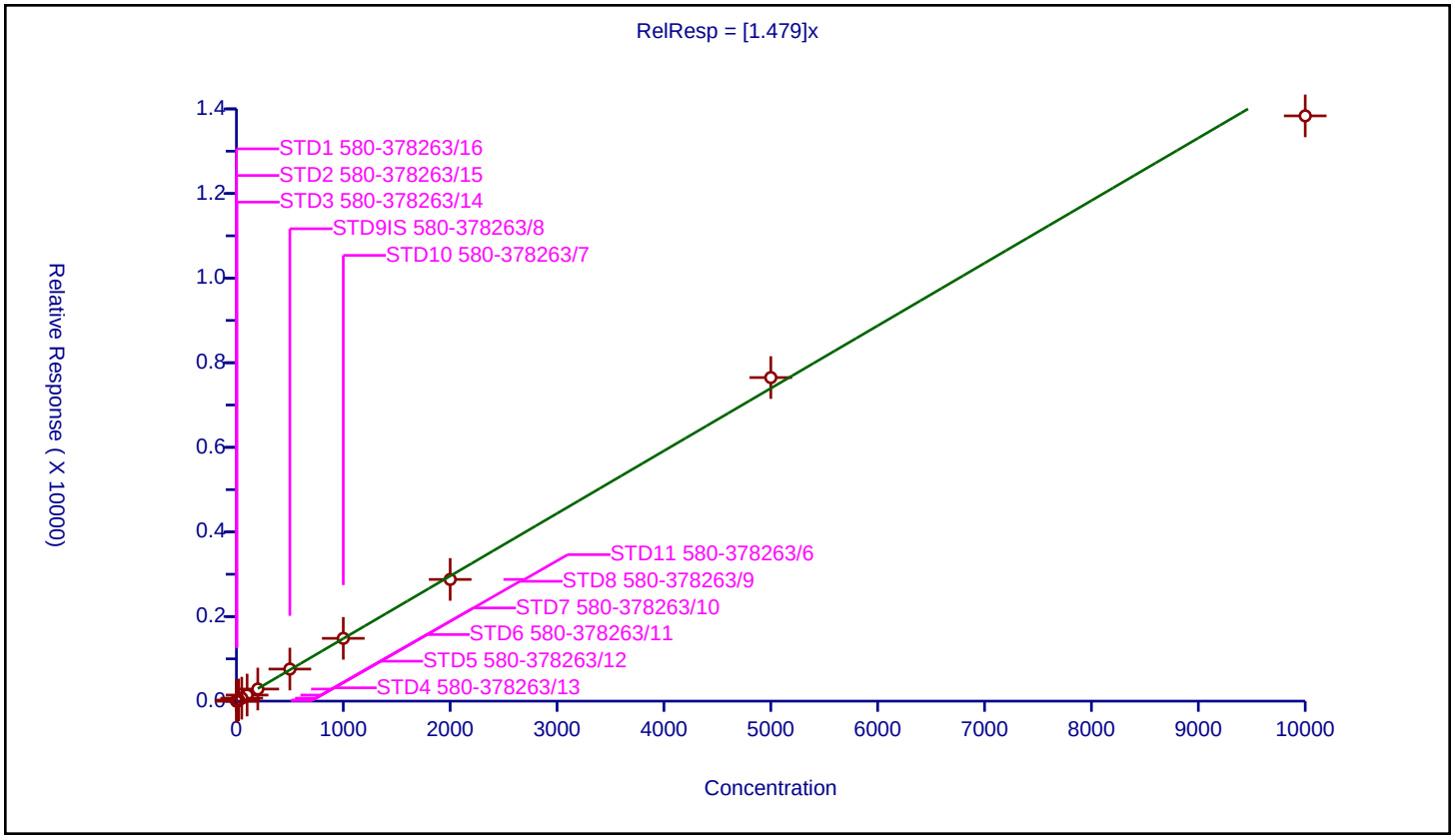
Curve Coefficients

Intercept:	0
Slope:	1.479

Error Coefficients

Standard Error:	554000
Relative Standard Error:	6.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-378263/16	1.0	1.631213	100.0	9073.0	1.631213	Y
2	STD2 580-378263/15	2.0	3.321072	100.0	9515.0	1.660536	Y
3	STD3 580-378263/14	5.0	7.525926	100.0	10125.0	1.505185	Y
4	STD4 580-378263/13	10.0	14.255432	100.0	9435.0	1.425543	Y
5	STD5 580-378263/12	20.0	27.639655	100.0	9613.0	1.381983	Y
6	STD6 580-378263/11	50.0	70.00412	100.0	9708.0	1.400082	Y
7	STD7 580-378263/10	100.0	144.020332	100.0	10427.0	1.440203	Y
8	STD8 580-378263/9	200.0	286.312208	100.0	11755.0	1.431561	Y
9	STD9IS 580-378263/8	500.0	758.200136	100.0	10323.0	1.5164	Y
10	STD10 580-378263/7	1000.0	1483.987998	100.0	10998.0	1.483988	Y
11	STD11 580-378263/6	2000.0	2876.950419	100.0	10972.0	1.438475	Y
12	STD12 580-378263/5	5000.0	7648.949204	100.0	10611.0	1.52979	Y
13	STD13 580-378263/4	10000.0	13835.298381	100.0	12417.0	1.38353	Y



Calibration / 2,4,6-Tribromophenol

Curve Type:	Quadratic
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

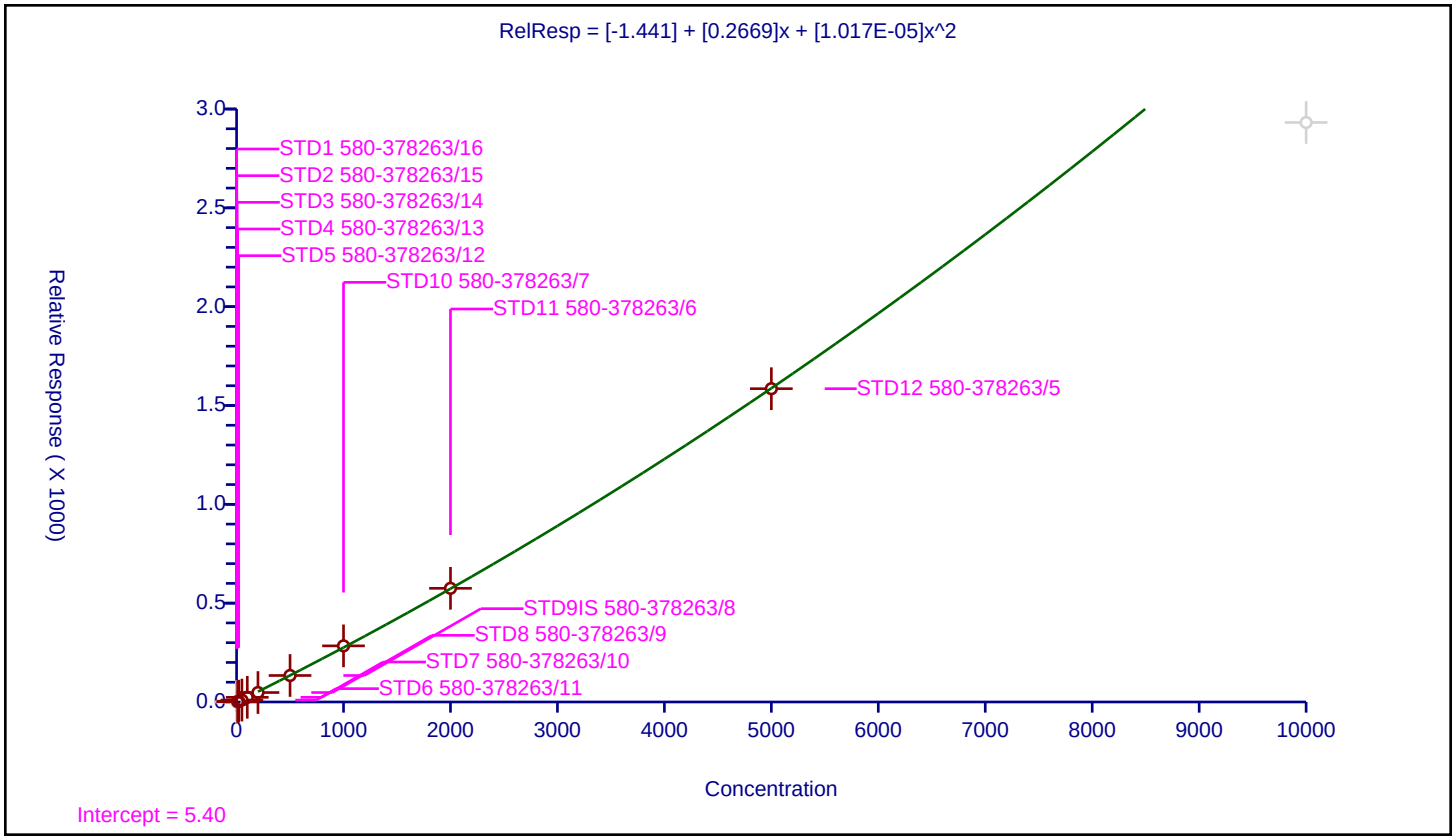
Curve Coefficients

Intercept:	-1.441
Slope:	0.2669
Second Order:	1.017E-05

Error Coefficients

Standard Error:	74000
Relative Standard Error:	13.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-378263/16	1.0	0.0	100.0	9073.0	0.0	N
2	STD2 580-378263/15	2.0	0.599054	100.0	9515.0	0.299527	N
3	STD3 580-378263/14	5.0	1.116049	100.0	10125.0	0.22321	N
4	STD4 580-378263/13	10.0	1.886592	100.0	9435.0	0.188659	Y
5	STD5 580-378263/12	20.0	4.119422	100.0	9613.0	0.205971	Y
6	STD6 580-378263/11	50.0	9.693037	100.0	9708.0	0.193861	Y
7	STD7 580-378263/10	100.0	23.611777	100.0	10427.0	0.236118	Y
8	STD8 580-378263/9	200.0	47.834964	100.0	11755.0	0.239175	Y
9	STD9IS 580-378263/8	500.0	134.030805	100.0	10323.0	0.268062	Y
10	STD10 580-378263/7	1000.0	283.869795	100.0	10998.0	0.28387	Y
11	STD11 580-378263/6	2000.0	575.009114	100.0	10972.0	0.287505	Y
12	STD12 580-378263/5	5000.0	1585.081519	100.0	10611.0	0.317016	Y
13	STD13 580-378263/4	10000.0	2931.851494	100.0	12417.0	0.293185	N



Calibration / Pentachlorophenol

Curve Type:	Quadratic
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

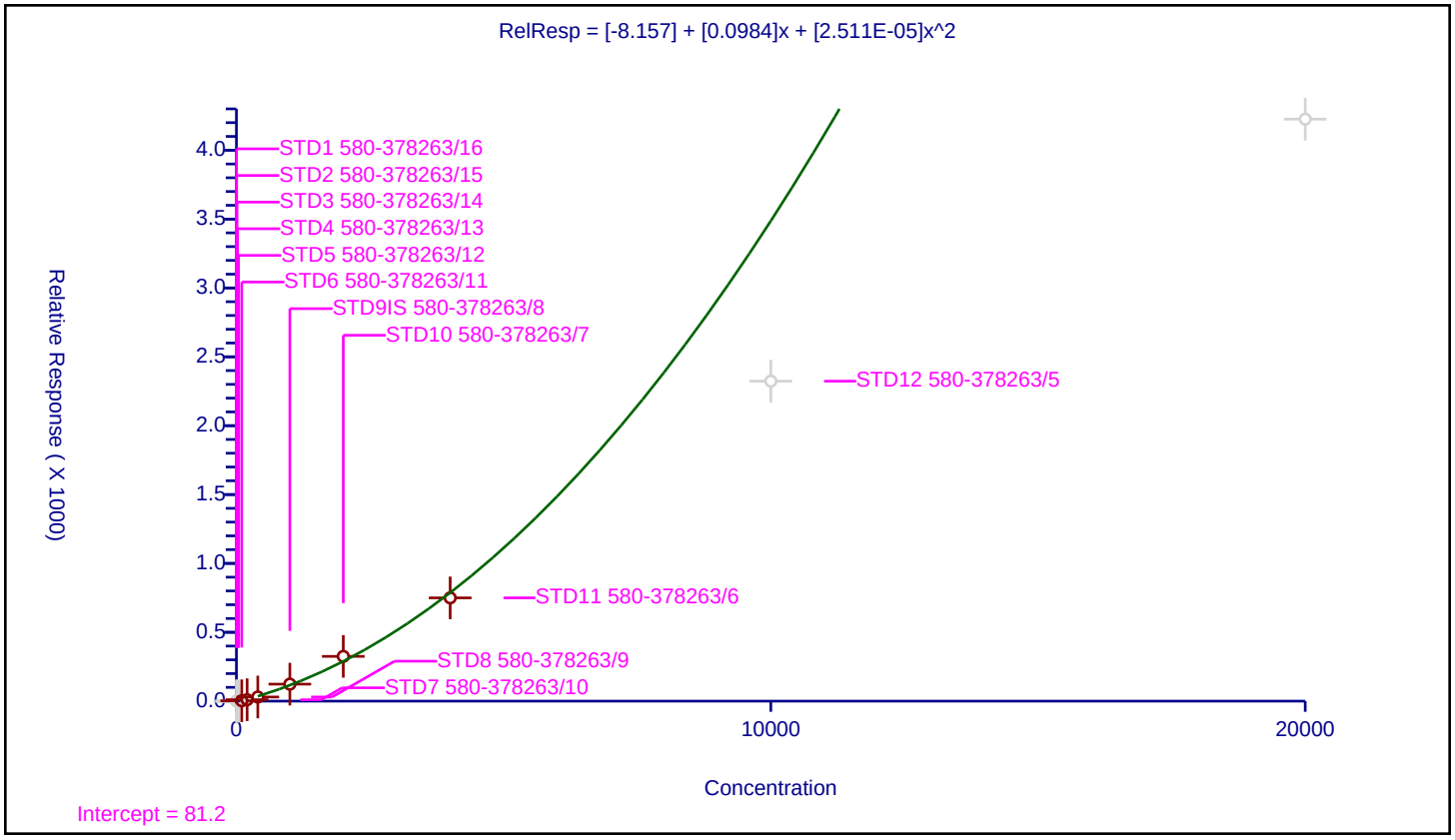
Curve Coefficients

Intercept:	-8.157
Slope:	0.0984
Second Order:	2.511E-05

Error Coefficients

Standard Error:	63800
Relative Standard Error:	11.5
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-378263/16	2.0	0.0	100.0	10350.0	0.0	N
2	STD2 580-378263/15	4.0	0.0	100.0	10882.0	0.0	N
3	STD3 580-378263/14	10.0	0.0	100.0	12288.0	0.0	N
4	STD4 580-378263/13	20.0	0.0	100.0	11178.0	0.0	N
5	STD5 580-378263/12	40.0	0.441919	100.0	11088.0	0.011048	N
6	STD6 580-378263/11	100.0	2.672527	100.0	11375.0	0.026725	Y
7	STD7 580-378263/10	200.0	10.25583	100.0	13251.0	0.051279	Y
8	STD8 580-378263/9	400.0	30.131626	100.0	14055.0	0.075329	Y
9	STD9IS 580-378263/8	1000.0	123.438748	100.0	12522.0	0.123439	Y
10	STD10 580-378263/7	2000.0	324.959636	100.0	13626.0	0.16248	Y
11	STD11 580-378263/6	4000.0	749.810592	100.0	13463.0	0.187453	Y
12	STD12 580-378263/5	10000.0	2323.042203	100.0	13293.0	0.232304	N
13	STD13 580-378263/4	20000.0	4225.406922	100.0	16035.0	0.21127	N



Calibration / Phenanthrene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

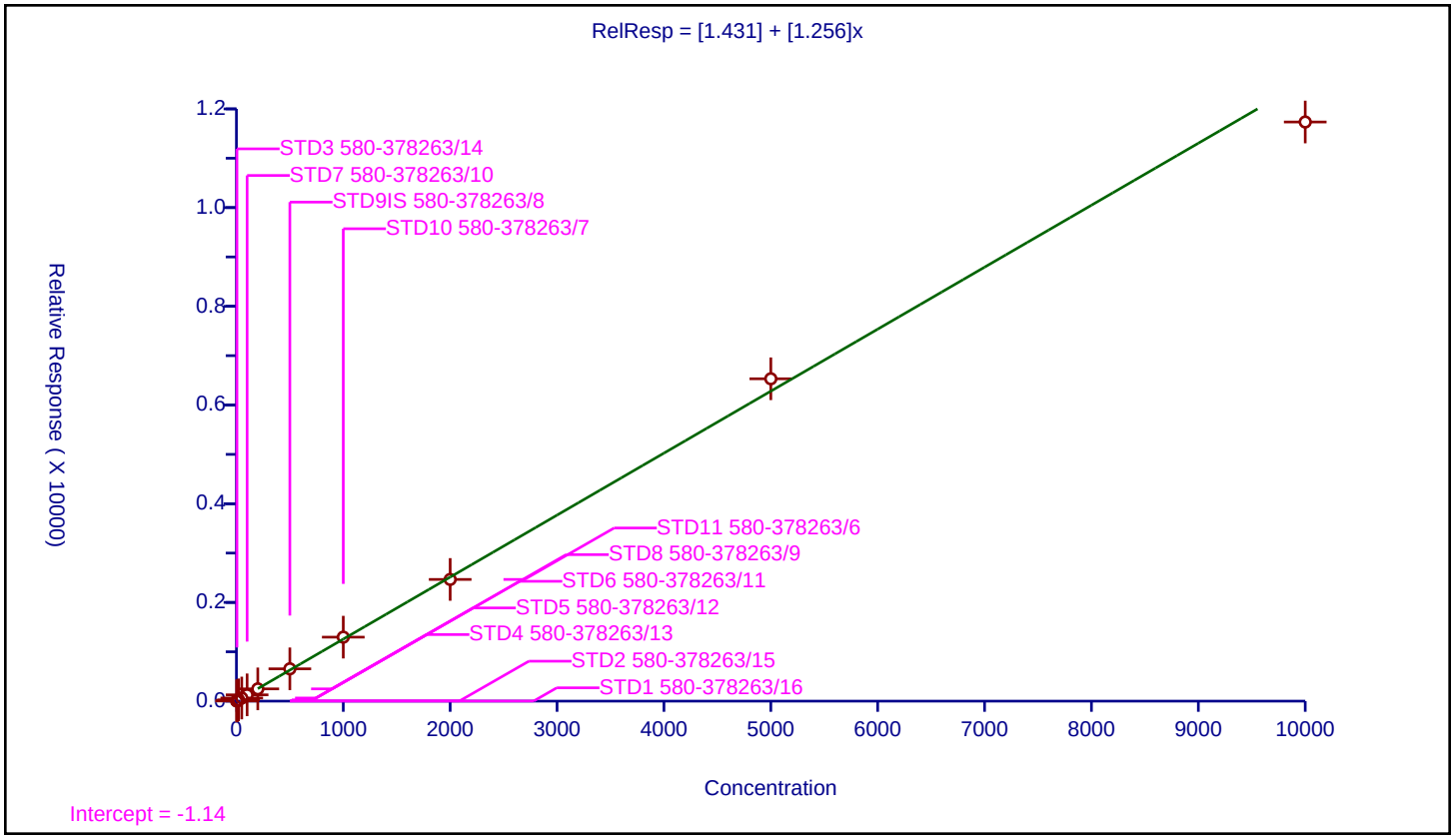
Curve Coefficients

Intercept:	1.431
Slope:	1.256

Error Coefficients

Standard Error:	804000
Relative Standard Error:	3.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-378263/16	1.0	2.494379	100.0	14232.0	2.494379	N
2	STD2 580-378263/15	2.0	3.901296	100.0	14508.0	1.950648	Y
3	STD3 580-378263/14	5.0	8.069146	100.0	15677.0	1.613829	Y
4	STD4 580-378263/13	10.0	13.763889	100.0	14400.0	1.376389	Y
5	STD5 580-378263/12	20.0	25.959167	100.0	14596.0	1.297958	Y
6	STD6 580-378263/11	50.0	63.204929	100.0	14771.0	1.264099	Y
7	STD7 580-378263/10	100.0	127.731699	100.0	16638.0	1.277317	Y
8	STD8 580-378263/9	200.0	248.684283	100.0	18203.0	1.243421	Y
9	STD9IS 580-378263/8	500.0	654.743222	100.0	15675.0	1.309486	Y
10	STD10 580-378263/7	1000.0	1296.50125	100.0	16806.0	1.296501	Y
11	STD11 580-378263/6	2000.0	2465.855651	100.0	17139.0	1.232928	Y
12	STD12 580-378263/5	5000.0	6531.561958	100.0	16729.0	1.306312	Y
13	STD13 580-378263/4	10000.0	11734.237746	100.0	19239.0	1.173424	Y



Calibration / Anthracene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

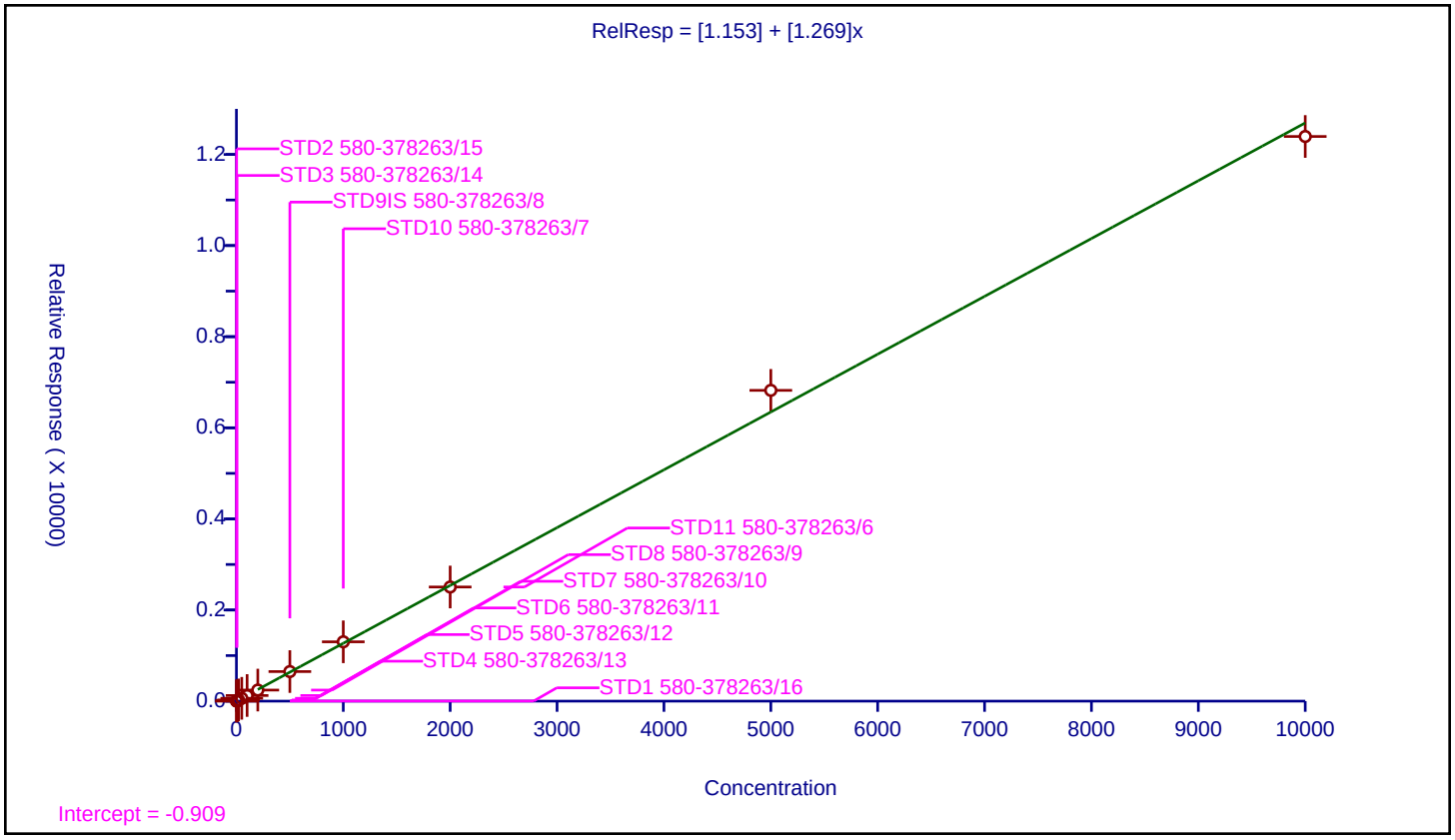
Curve Coefficients

Intercept:	1.153
Slope:	1.269

Error Coefficients

Standard Error:	807000
Relative Standard Error:	4.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-378263/16	1.0	2.381956	100.0	14232.0	2.381956	Y
2	STD2 580-378263/15	2.0	3.81169	100.0	14508.0	1.905845	Y
3	STD3 580-378263/14	5.0	7.896919	100.0	15677.0	1.579384	Y
4	STD4 580-378263/13	10.0	13.534722	100.0	14400.0	1.353472	Y
5	STD5 580-378263/12	20.0	26.013976	100.0	14596.0	1.300699	Y
6	STD6 580-378263/11	50.0	62.433146	100.0	14771.0	1.248663	Y
7	STD7 580-378263/10	100.0	123.518452	100.0	16638.0	1.235185	Y
8	STD8 580-378263/9	200.0	242.657804	100.0	18203.0	1.213289	Y
9	STD9IS 580-378263/8	500.0	649.263158	100.0	15675.0	1.298526	Y
10	STD10 580-378263/7	1000.0	1302.522908	100.0	16806.0	1.302523	Y
11	STD11 580-378263/6	2000.0	2505.350371	100.0	17139.0	1.252675	Y
12	STD12 580-378263/5	5000.0	6821.794489	100.0	16729.0	1.364359	Y
13	STD13 580-378263/4	10000.0	12394.334425	100.0	19239.0	1.239433	Y



Calibration / Fluoranthene-d10 (Surr)

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

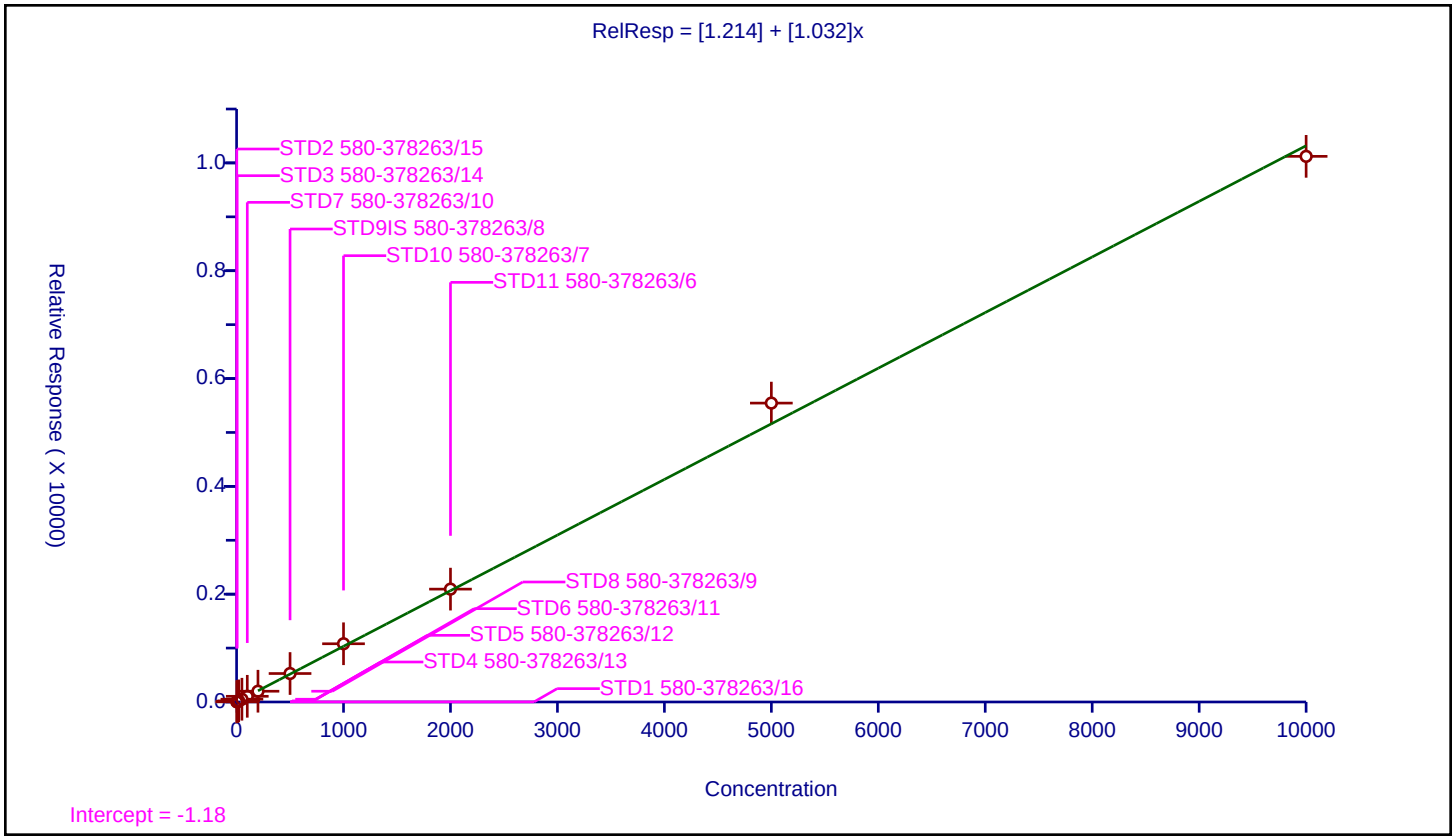
Curve Coefficients

Intercept:	1.214
Slope:	1.032

Error Coefficients

Standard Error:	691000
Relative Standard Error:	4.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-378263/16	1.0	2.07982	100.0	14232.0	2.07982	N
2	STD2 580-378263/15	2.0	3.280948	100.0	14508.0	1.640474	Y
3	STD3 580-378263/14	5.0	6.621165	100.0	15677.0	1.324233	Y
4	STD4 580-378263/13	10.0	10.805556	100.0	14400.0	1.080556	Y
5	STD5 580-378263/12	20.0	20.718005	100.0	14596.0	1.0359	Y
6	STD6 580-378263/11	50.0	51.066279	100.0	14771.0	1.021326	Y
7	STD7 580-378263/10	100.0	105.607645	100.0	16638.0	1.056076	Y
8	STD8 580-378263/9	200.0	199.522057	100.0	18203.0	0.99761	Y
9	STD9IS 580-378263/8	500.0	528.172249	100.0	15675.0	1.056344	Y
10	STD10 580-378263/7	1000.0	1080.263001	100.0	16806.0	1.080263	Y
11	STD11 580-378263/6	2000.0	2093.797771	100.0	17139.0	1.046899	Y
12	STD12 580-378263/5	5000.0	5544.497579	100.0	16729.0	1.1089	Y
13	STD13 580-378263/4	10000.0	10121.75269	100.0	19239.0	1.012175	Y



Calibration / Fluoranthene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

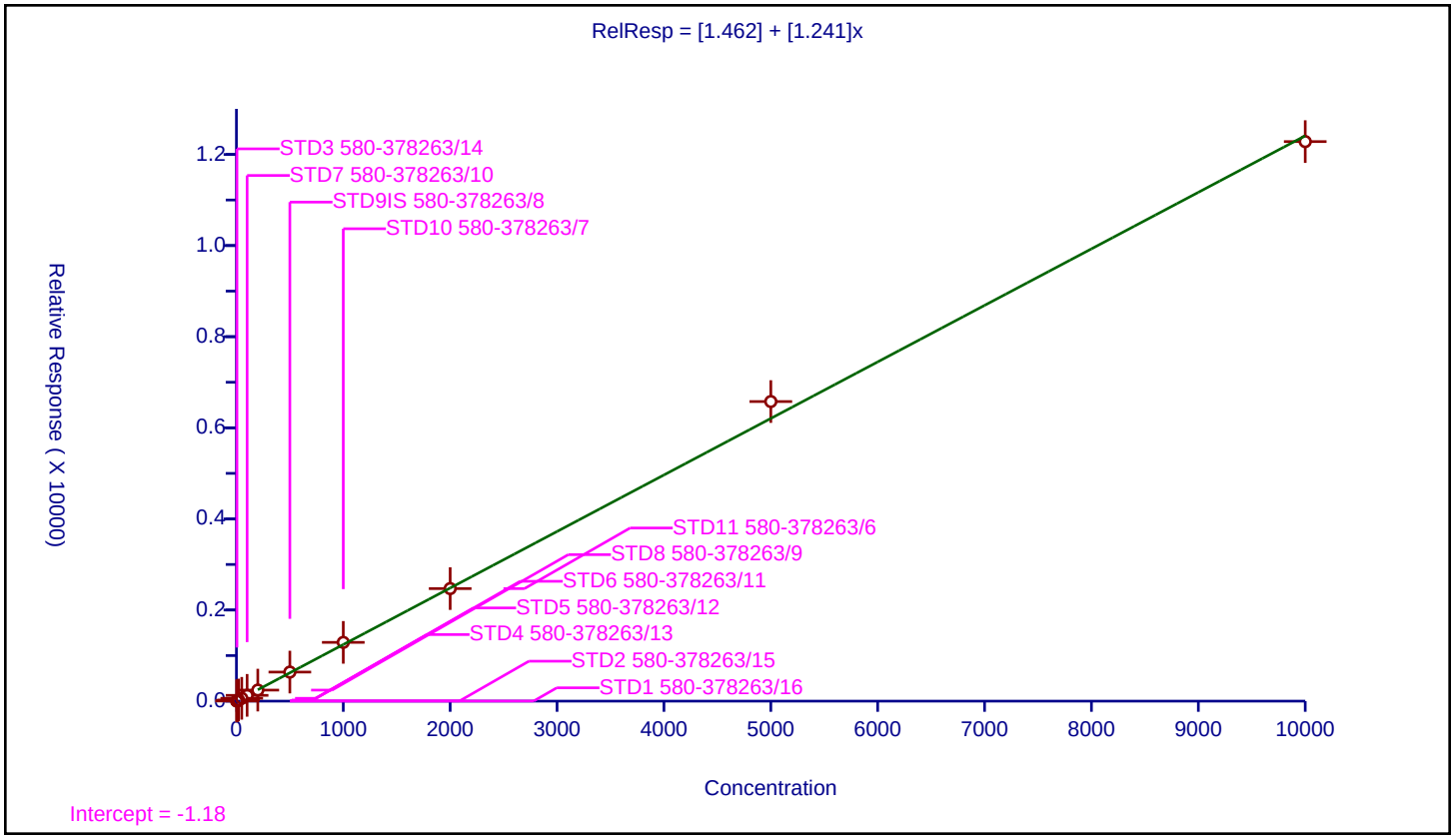
Curve Coefficients

Intercept:	1.462
Slope:	1.241

Error Coefficients

Standard Error:	834000
Relative Standard Error:	4.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-378263/16	1.0	2.529511	100.0	14232.0	2.529511	N
2	STD2 580-378263/15	2.0	3.93576	100.0	14508.0	1.96788	Y
3	STD3 580-378263/14	5.0	8.011737	100.0	15677.0	1.602347	Y
4	STD4 580-378263/13	10.0	13.090278	100.0	14400.0	1.309028	Y
5	STD5 580-378263/12	20.0	24.773911	100.0	14596.0	1.238696	Y
6	STD6 580-378263/11	50.0	62.148805	100.0	14771.0	1.242976	Y
7	STD7 580-378263/10	100.0	127.160716	100.0	16638.0	1.271607	Y
8	STD8 580-378263/9	200.0	242.295226	100.0	18203.0	1.211476	Y
9	STD9IS 580-378263/8	500.0	637.952153	100.0	15675.0	1.275904	Y
10	STD10 580-378263/7	1000.0	1289.99762	100.0	16806.0	1.289998	Y
11	STD11 580-378263/6	2000.0	2470.395006	100.0	17139.0	1.235198	Y
12	STD12 580-378263/5	5000.0	6576.268755	100.0	16729.0	1.315254	Y
13	STD13 580-378263/4	10000.0	12281.974115	100.0	19239.0	1.228197	Y



Calibration / Pyrene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

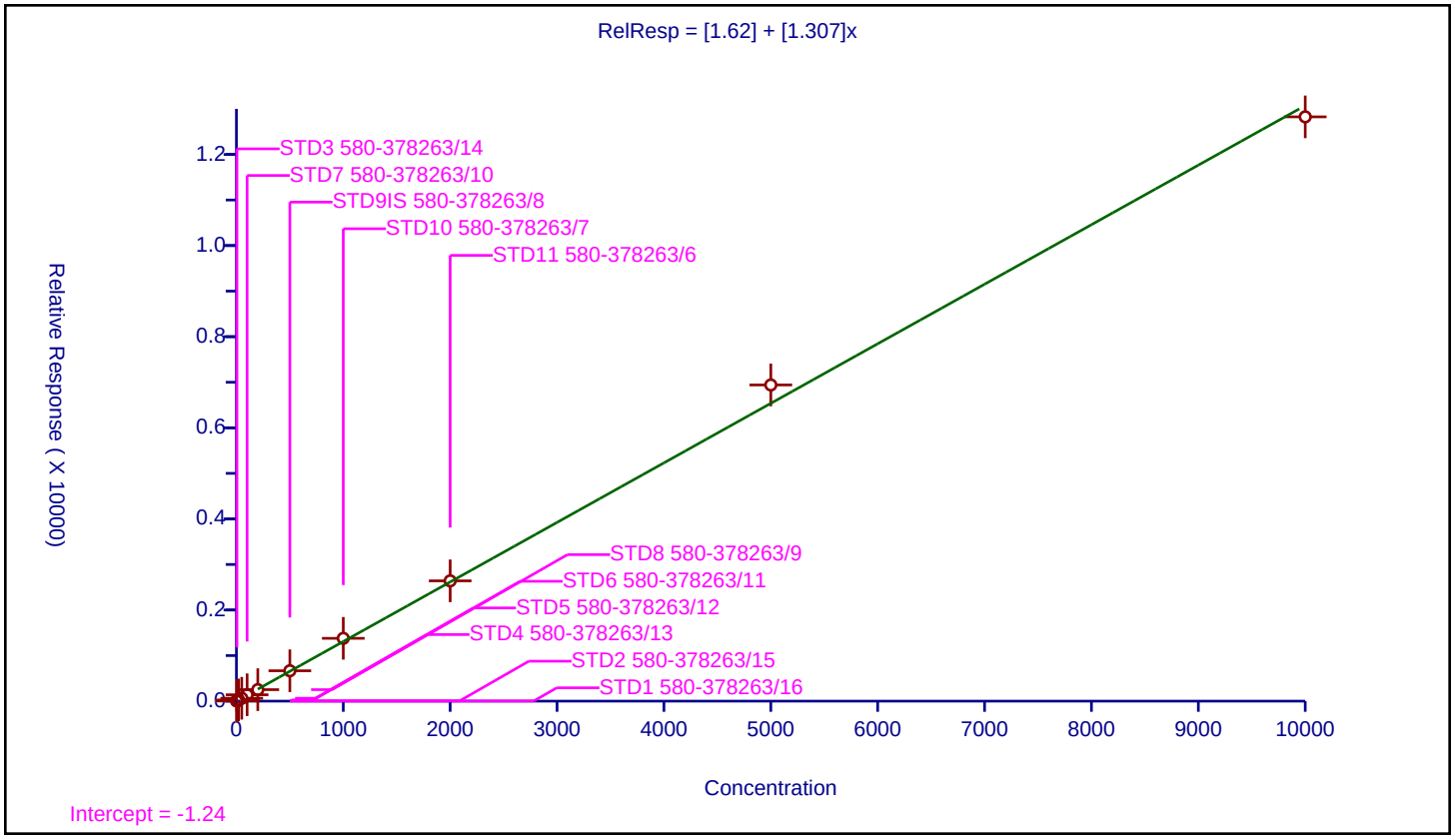
Curve Coefficients

Intercept:	1.62
Slope:	1.307

Error Coefficients

Standard Error:	873000
Relative Standard Error:	6.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-378263/16	1.0	2.712198	100.0	14232.0	2.712198	N
2	STD2 580-378263/15	2.0	4.21147	100.0	14508.0	2.105735	Y
3	STD3 580-378263/14	5.0	8.770811	100.0	15677.0	1.754162	Y
4	STD4 580-378263/13	10.0	13.340278	100.0	14400.0	1.334028	Y
5	STD5 580-378263/12	20.0	25.856399	100.0	14596.0	1.29282	Y
6	STD6 580-378263/11	50.0	63.56374	100.0	14771.0	1.271275	Y
7	STD7 580-378263/10	100.0	140.064912	100.0	16638.0	1.400649	Y
8	STD8 580-378263/9	200.0	252.546284	100.0	18203.0	1.262731	Y
9	STD9IS 580-378263/8	500.0	666.966507	100.0	15675.0	1.333933	Y
10	STD10 580-378263/7	1000.0	1378.567178	100.0	16806.0	1.378567	Y
11	STD11 580-378263/6	2000.0	2640.340743	100.0	17139.0	1.32017	Y
12	STD12 580-378263/5	5000.0	6940.576245	100.0	16729.0	1.388115	Y
13	STD13 580-378263/4	10000.0	12825.094859	100.0	19239.0	1.282509	Y



Calibration / Terphenyl-d14

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

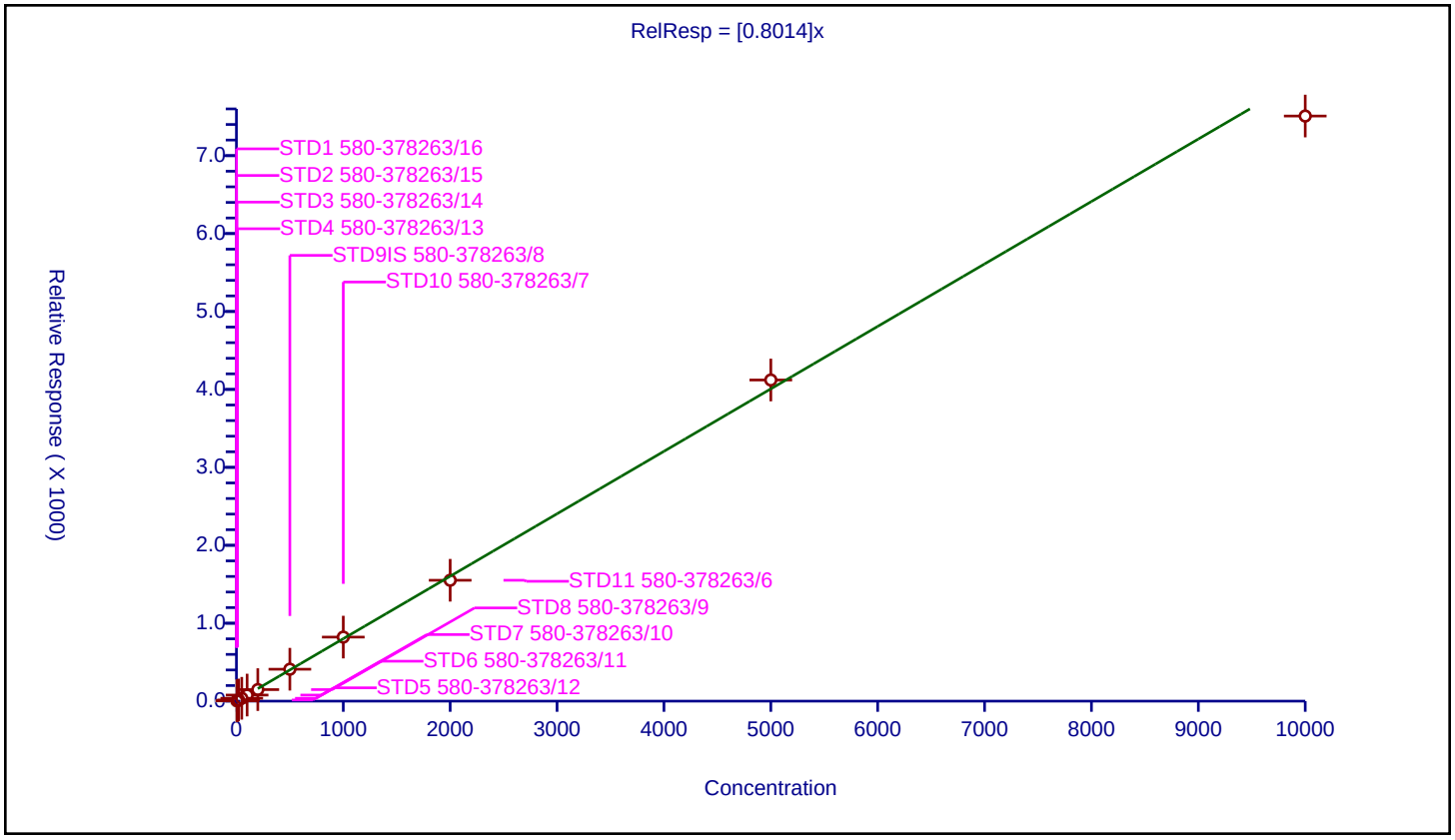
Curve Coefficients

Intercept:	0
Slope:	0.8014

Error Coefficients

Standard Error:	513000
Relative Standard Error:	9.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-378263/16	1.0	1.517707	100.0	14232.0	1.517707	N
2	STD2 580-378263/15	2.0	2.474497	100.0	14508.0	1.237248	N
3	STD3 580-378263/14	5.0	4.988199	100.0	15677.0	0.99764	Y
4	STD4 580-378263/13	10.0	8.333333	100.0	14400.0	0.833333	Y
5	STD5 580-378263/12	20.0	14.757468	100.0	14596.0	0.737873	Y
6	STD6 580-378263/11	50.0	36.612281	100.0	14771.0	0.732246	Y
7	STD7 580-378263/10	100.0	78.254598	100.0	16638.0	0.782546	Y
8	STD8 580-378263/9	200.0	148.096468	100.0	18203.0	0.740482	Y
9	STD9IS 580-378263/8	500.0	409.626794	100.0	15675.0	0.819254	Y
10	STD10 580-378263/7	1000.0	821.879091	100.0	16806.0	0.821879	Y
11	STD11 580-378263/6	2000.0	1551.269036	100.0	17139.0	0.775635	Y
12	STD12 580-378263/5	5000.0	4121.101082	100.0	16729.0	0.82422	Y
13	STD13 580-378263/4	10000.0	7508.326836	100.0	19239.0	0.750833	Y



Calibration / Benzo[a]anthracene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

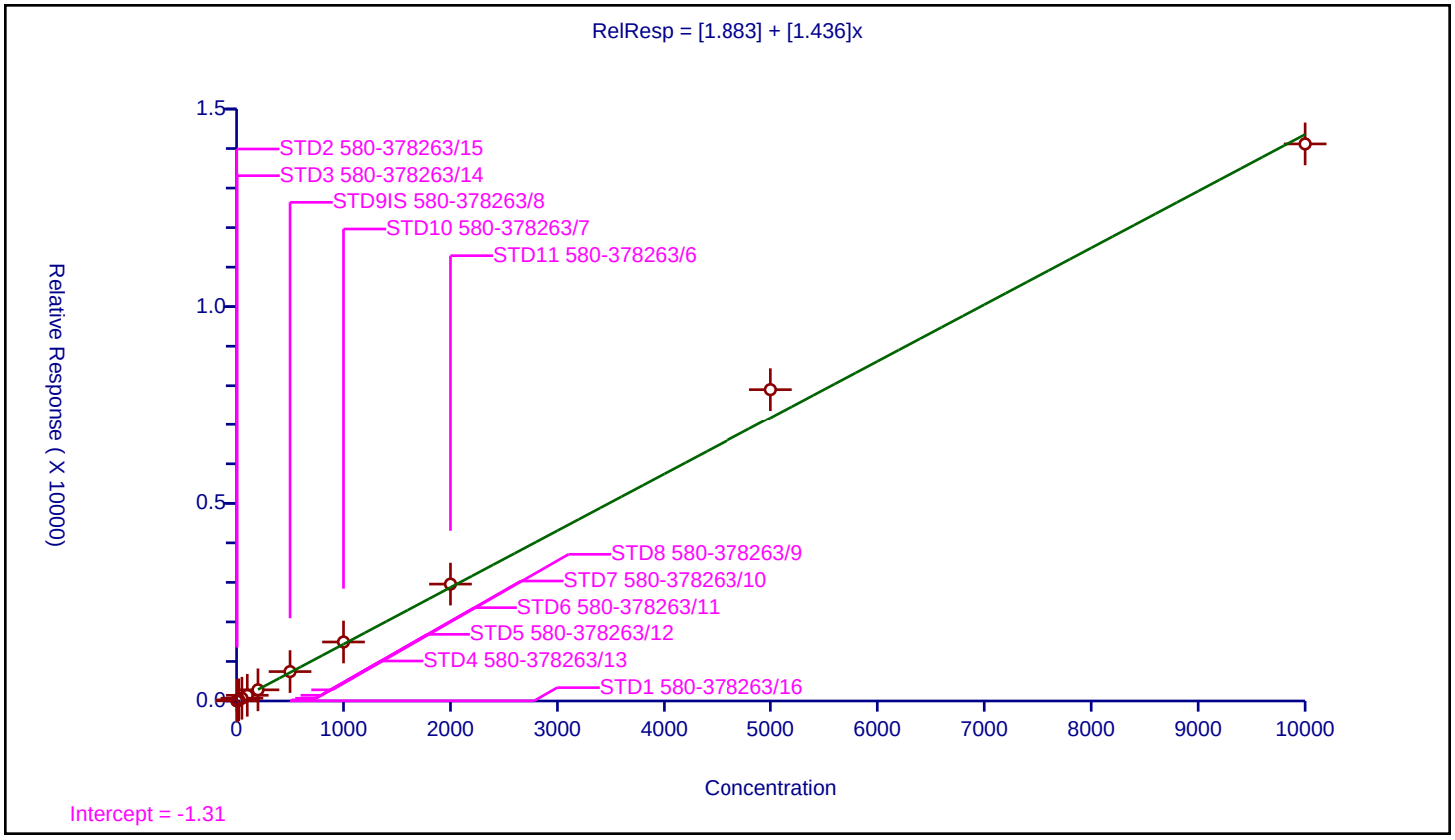
Curve Coefficients

Intercept:	1.883
Slope:	1.436

Error Coefficients

Standard Error:	797000
Relative Standard Error:	5.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-378263/16	1.0	3.05314	100.0	10350.0	3.05314	N
2	STD2 580-378263/15	2.0	4.815291	100.0	10882.0	2.407646	Y
3	STD3 580-378263/14	5.0	9.098307	100.0	12288.0	1.819661	Y
4	STD4 580-378263/13	10.0	15.002684	100.0	11178.0	1.500268	Y
5	STD5 580-378263/12	20.0	29.572511	100.0	11088.0	1.478626	Y
6	STD6 580-378263/11	50.0	69.52967	100.0	11375.0	1.390593	Y
7	STD7 580-378263/10	100.0	144.30609	100.0	13251.0	1.443061	Y
8	STD8 580-378263/9	200.0	282.034863	100.0	14055.0	1.410174	Y
9	STD9IS 580-378263/8	500.0	743.802907	100.0	12522.0	1.487606	Y
10	STD10 580-378263/7	1000.0	1492.712461	100.0	13626.0	1.492712	Y
11	STD11 580-378263/6	2000.0	2956.666419	100.0	13463.0	1.478333	Y
12	STD12 580-378263/5	5000.0	7901.120891	100.0	13293.0	1.580224	Y
13	STD13 580-378263/4	10000.0	14117.149984	100.0	16035.0	1.411715	Y



Calibration / Chrysene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

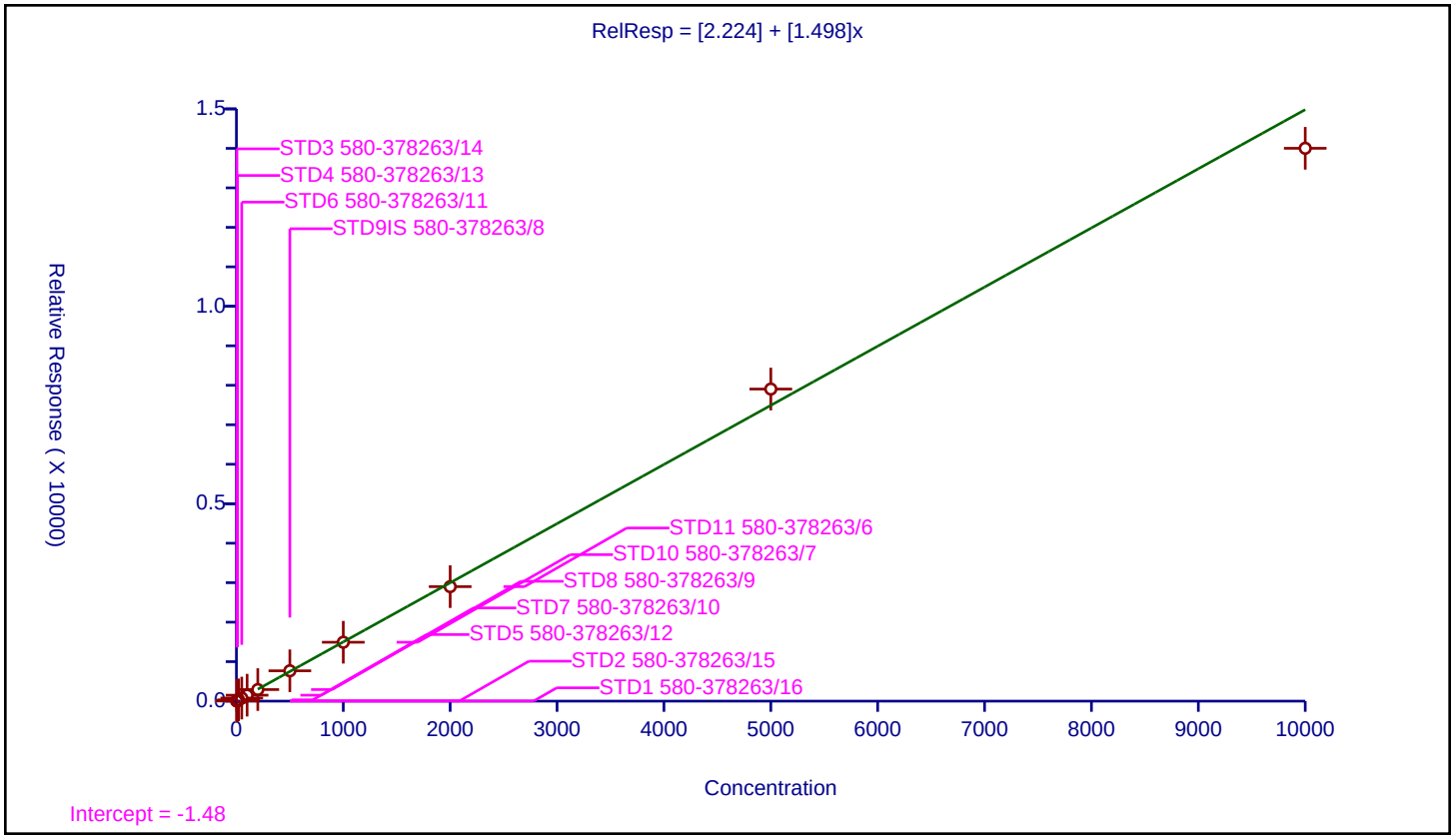
Curve Coefficients

Intercept:	2.224
Slope:	1.498

Error Coefficients

Standard Error:	792000
Relative Standard Error:	3.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-378263/16	1.0	3.294686	100.0	10350.0	3.294686	N
2	STD2 580-378263/15	2.0	5.155302	100.0	10882.0	2.577651	Y
3	STD3 580-378263/14	5.0	9.936523	100.0	12288.0	1.987305	Y
4	STD4 580-378263/13	10.0	17.937019	100.0	11178.0	1.793702	Y
5	STD5 580-378263/12	20.0	32.160895	100.0	11088.0	1.608045	Y
6	STD6 580-378263/11	50.0	77.714286	100.0	11375.0	1.554286	Y
7	STD7 580-378263/10	100.0	150.554675	100.0	13251.0	1.505547	Y
8	STD8 580-378263/9	200.0	293.055852	100.0	14055.0	1.465279	Y
9	STD9IS 580-378263/8	500.0	768.351701	100.0	12522.0	1.536703	Y
10	STD10 580-378263/7	1000.0	1491.824453	100.0	13626.0	1.491824	Y
11	STD11 580-378263/6	2000.0	2899.858872	100.0	13463.0	1.449929	Y
12	STD12 580-378263/5	5000.0	7904.415858	100.0	13293.0	1.580883	Y
13	STD13 580-378263/4	10000.0	14002.625507	100.0	16035.0	1.400263	Y



Calibration / Bis(2-ethylhexyl) phthalate

Curve Type:	Quadratic
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

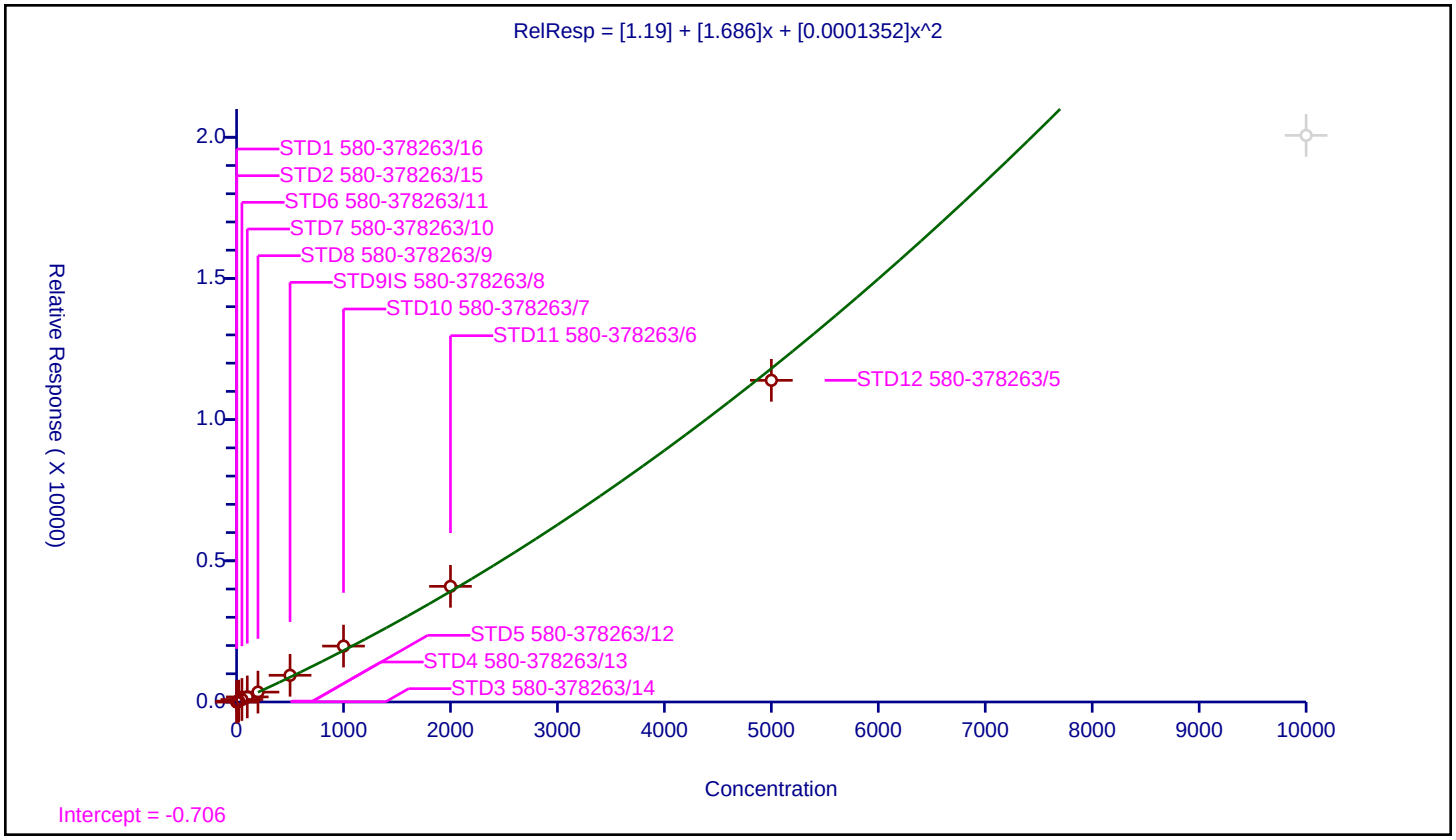
Curve Coefficients

Intercept:	1.19
Slope:	1.686
Second Order:	0.0001352

Error Coefficients

Standard Error:	542000
Relative Standard Error:	7.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-378263/16	1.0	2.908213	100.0	10350.0	2.908213	Y
2	STD2 580-378263/15	2.0	4.677449	100.0	10882.0	2.338724	Y
3	STD3 580-378263/14	5.0	8.813477	100.0	12288.0	1.762695	Y
4	STD4 580-378263/13	10.0	15.691537	100.0	11178.0	1.569154	Y
5	STD5 580-378263/12	20.0	31.971501	100.0	11088.0	1.598575	Y
6	STD6 580-378263/11	50.0	87.903297	100.0	11375.0	1.758066	Y
7	STD7 580-378263/10	100.0	179.699645	100.0	13251.0	1.796996	Y
8	STD8 580-378263/9	200.0	349.697617	100.0	14055.0	1.748488	Y
9	STD9IS 580-378263/8	500.0	945.951126	100.0	12522.0	1.891902	Y
10	STD10 580-378263/7	1000.0	1979.847351	100.0	13626.0	1.979847	Y
11	STD11 580-378263/6	2000.0	4095.060536	100.0	13463.0	2.04753	Y
12	STD12 580-378263/5	5000.0	11392.161288	100.0	13293.0	2.278432	Y
13	STD13 580-378263/4	10000.0	20065.868413	100.0	16035.0	2.006587	N



Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

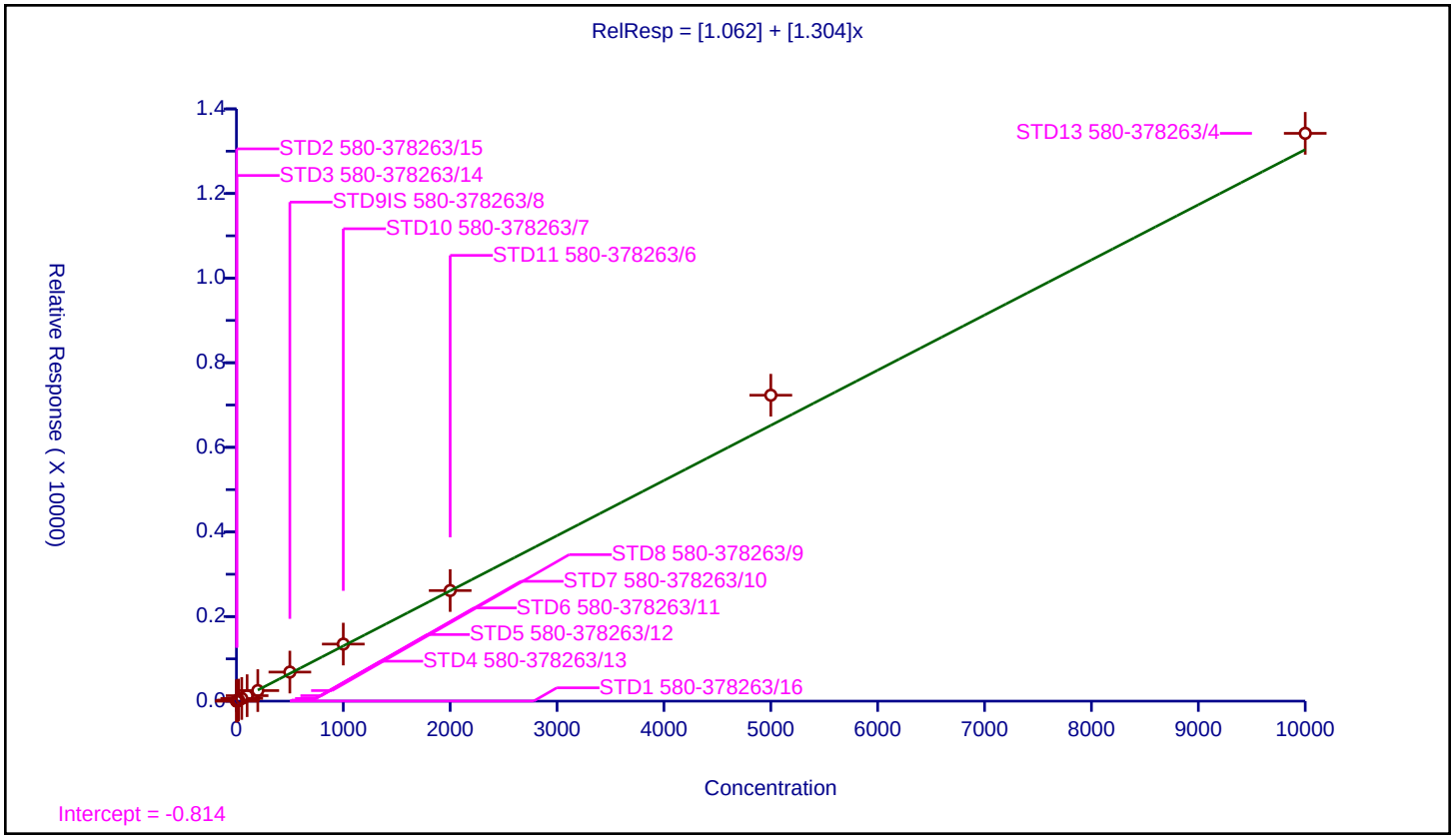
Curve Coefficients

Intercept:	1.062
Slope:	1.304

Error Coefficients

Standard Error:	819000
Relative Standard Error:	5.6
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-378263/16	1.0	2.358374	100.0	12127.0	2.358374	Y
2	STD2 580-378263/15	2.0	3.753249	100.0	13082.0	1.876624	Y
3	STD3 580-378263/14	5.0	7.645847	100.0	14073.0	1.529169	Y
4	STD4 580-378263/13	10.0	13.045193	100.0	12679.0	1.304519	Y
5	STD5 580-378263/12	20.0	25.354691	100.0	13110.0	1.267735	Y
6	STD6 580-378263/11	50.0	62.722674	100.0	13641.0	1.254453	Y
7	STD7 580-378263/10	100.0	129.334787	100.0	15589.0	1.293348	Y
8	STD8 580-378263/9	200.0	249.883378	100.0	16292.0	1.249417	Y
9	STD9IS 580-378263/8	500.0	687.183267	100.0	14247.0	1.374367	Y
10	STD10 580-378263/7	1000.0	1349.145464	100.0	15564.0	1.349145	Y
11	STD11 580-378263/6	2000.0	2614.44828	100.0	15642.0	1.307224	Y
12	STD12 580-378263/5	5000.0	7231.841049	100.0	15703.0	1.446368	Y
13	STD13 580-378263/4	10000.0	13421.940487	100.0	18181.0	1.342194	Y



Calibration / Benzo[k]fluoranthene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

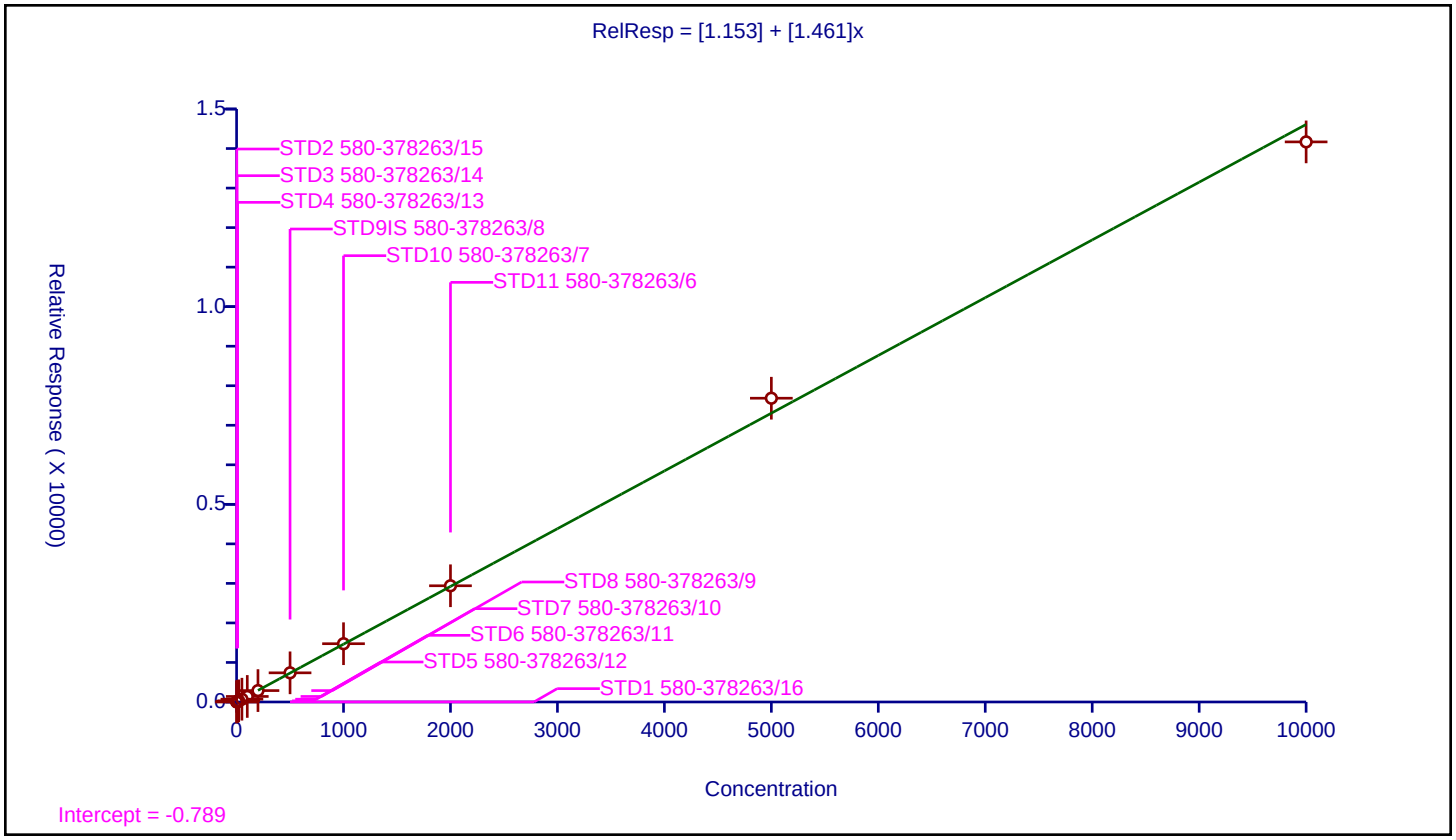
Curve Coefficients

Intercept:	1.153
Slope:	1.461

Error Coefficients

Standard Error:	867000
Relative Standard Error:	4.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-378263/16	1.0	2.581018	100.0	12127.0	2.581018	Y
2	STD2 580-378263/15	2.0	4.127809	100.0	13082.0	2.063905	Y
3	STD3 580-378263/14	5.0	8.796987	100.0	14073.0	1.759397	Y
4	STD4 580-378263/13	10.0	16.925625	100.0	12679.0	1.692563	Y
5	STD5 580-378263/12	20.0	29.084668	100.0	13110.0	1.454233	Y
6	STD6 580-378263/11	50.0	70.18547	100.0	13641.0	1.403709	Y
7	STD7 580-378263/10	100.0	140.028225	100.0	15589.0	1.400282	Y
8	STD8 580-378263/9	200.0	288.092315	100.0	16292.0	1.440462	Y
9	STD9IS 580-378263/8	500.0	737.783393	100.0	14247.0	1.475567	Y
10	STD10 580-378263/7	1000.0	1474.569519	100.0	15564.0	1.47457	Y
11	STD11 580-378263/6	2000.0	2939.867025	100.0	15642.0	1.469934	Y
12	STD12 580-378263/5	5000.0	7684.506145	100.0	15703.0	1.536901	Y
13	STD13 580-378263/4	10000.0	14167.933557	100.0	18181.0	1.416793	Y



Calibration / Benzo[a]pyrene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

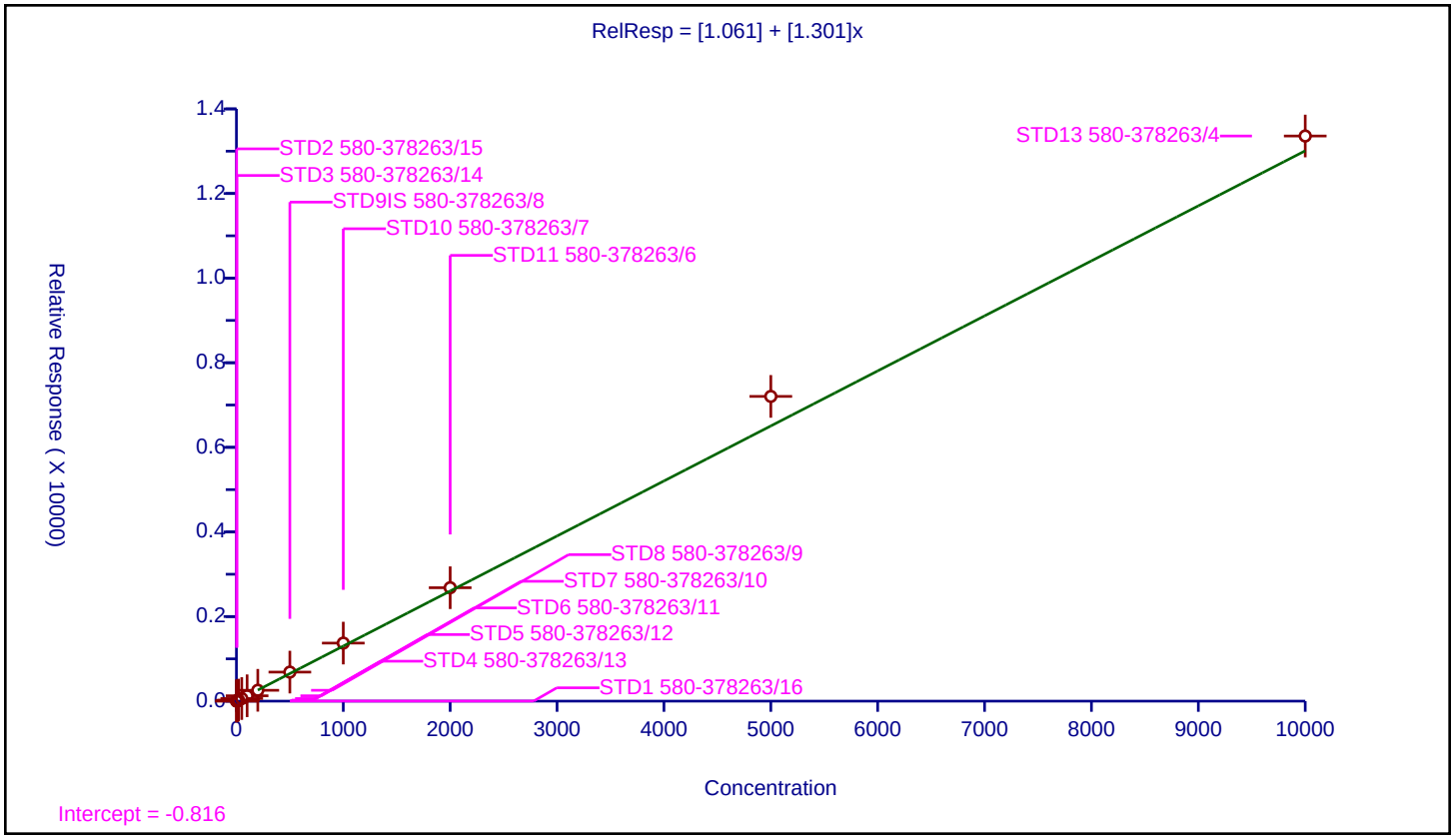
Curve Coefficients

Intercept:	1.061
Slope:	1.301

Error Coefficients

Standard Error:	816000
Relative Standard Error:	6.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-378263/16	1.0	2.350128	100.0	12127.0	2.350128	Y
2	STD2 580-378263/15	2.0	3.776181	100.0	13082.0	1.888091	Y
3	STD3 580-378263/14	5.0	7.731116	100.0	14073.0	1.546223	Y
4	STD4 580-378263/13	10.0	12.619292	100.0	12679.0	1.261929	Y
5	STD5 580-378263/12	20.0	24.645309	100.0	13110.0	1.232265	Y
6	STD6 580-378263/11	50.0	61.183198	100.0	13641.0	1.223664	Y
7	STD7 580-378263/10	100.0	126.794535	100.0	15589.0	1.267945	Y
8	STD8 580-378263/9	200.0	256.432605	100.0	16292.0	1.282163	Y
9	STD9IS 580-378263/8	500.0	686.614726	100.0	14247.0	1.373229	Y
10	STD10 580-378263/7	1000.0	1372.384991	100.0	15564.0	1.372385	Y
11	STD11 580-378263/6	2000.0	2681.293952	100.0	15642.0	1.340647	Y
12	STD12 580-378263/5	5000.0	7203.62988	100.0	15703.0	1.440726	Y
13	STD13 580-378263/4	10000.0	13359.160662	100.0	18181.0	1.335916	Y



Calibration / Indeno[1,2,3-cd]pyrene

Curve Type:	Quadratic
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

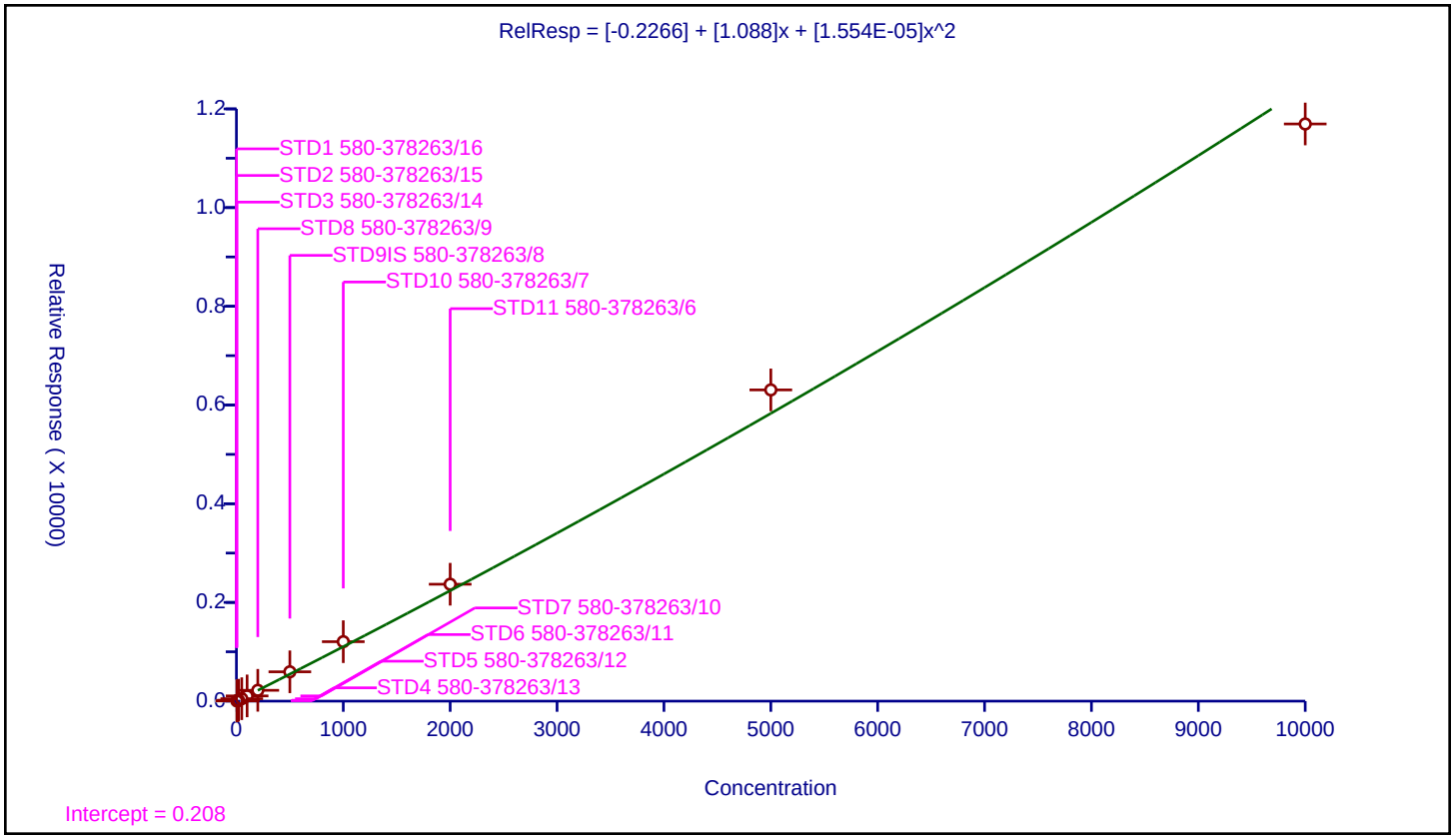
Curve Coefficients

Intercept:	-0.2266
Slope:	1.088
Second Order:	1.554E-05

Error Coefficients

Standard Error:	838000
Relative Standard Error:	9.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-378263/16	1.0	1.599736	100.0	12127.0	1.599736	N
2	STD2 580-378263/15	2.0	2.790093	100.0	13082.0	1.395047	N
3	STD3 580-378263/14	5.0	5.713068	100.0	14073.0	1.142614	Y
4	STD4 580-378263/13	10.0	9.653758	100.0	12679.0	0.965376	Y
5	STD5 580-378263/12	20.0	18.360031	100.0	13110.0	0.918002	Y
6	STD6 580-378263/11	50.0	49.336559	100.0	13641.0	0.986731	Y
7	STD7 580-378263/10	100.0	105.895183	100.0	15589.0	1.058952	Y
8	STD8 580-378263/9	200.0	219.52492	100.0	16292.0	1.097625	Y
9	STD9IS 580-378263/8	500.0	594.265459	100.0	14247.0	1.188531	Y
10	STD10 580-378263/7	1000.0	1204.619635	100.0	15564.0	1.20462	Y
11	STD11 580-378263/6	2000.0	2368.987342	100.0	15642.0	1.184494	Y
12	STD12 580-378263/5	5000.0	6306.113482	100.0	15703.0	1.261223	Y
13	STD13 580-378263/4	10000.0	11694.400748	100.0	18181.0	1.16944	Y



Calibration / Dibenz(a,h)anthracene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

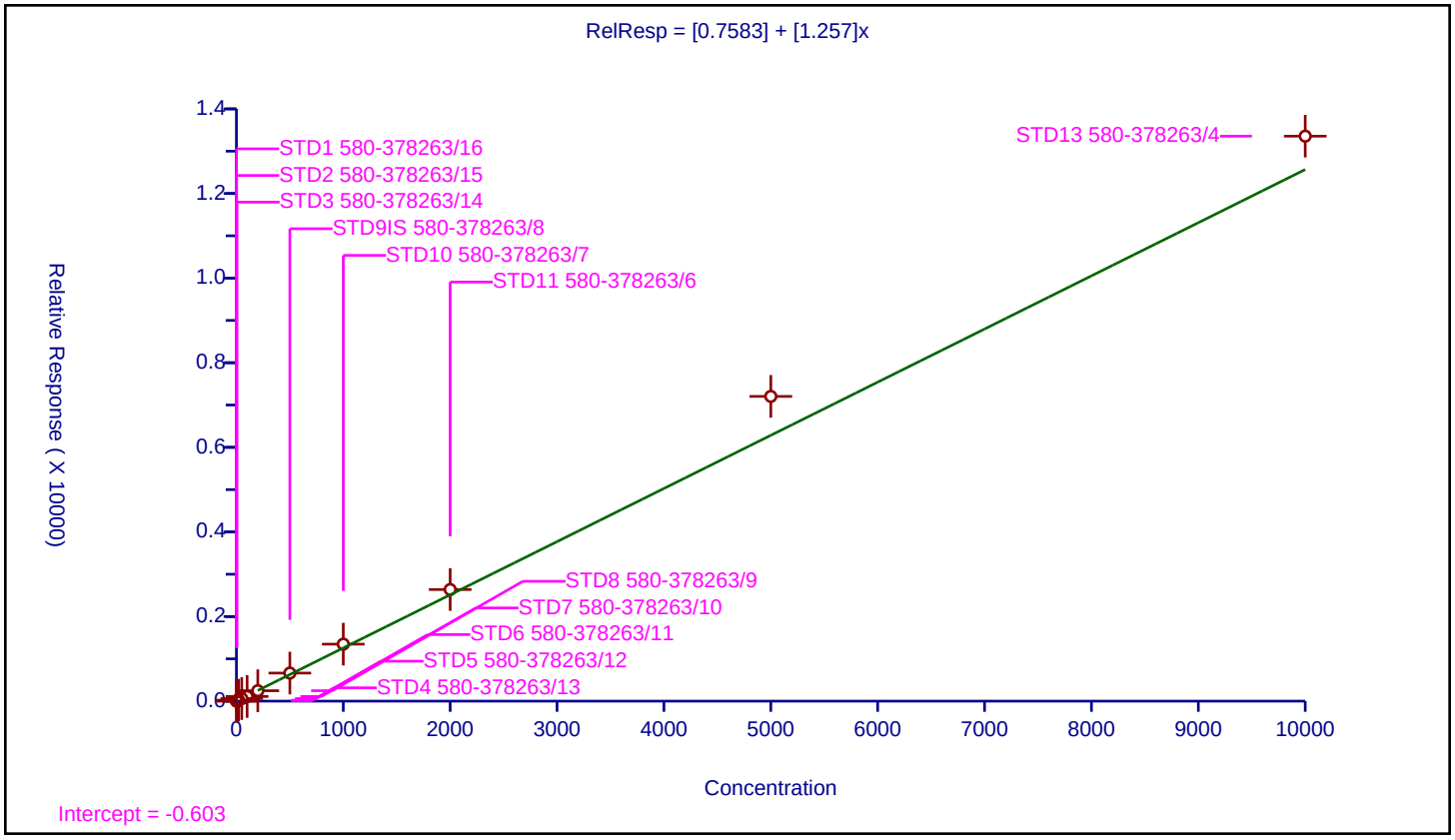
Curve Coefficients

Intercept:	0.7583
Slope:	1.257

Error Coefficients

Standard Error:	816000
Relative Standard Error:	8.8
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-378263/16	1.0	2.028531	100.0	12127.0	2.028531	Y
2	STD2 580-378263/15	2.0	3.279315	100.0	13082.0	1.639658	Y
3	STD3 580-378263/14	5.0	7.247922	100.0	14073.0	1.449584	Y
4	STD4 580-378263/13	10.0	12.019875	100.0	12679.0	1.201988	Y
5	STD5 580-378263/12	20.0	22.52479	100.0	13110.0	1.12624	Y
6	STD6 580-378263/11	50.0	60.970603	100.0	13641.0	1.219412	Y
7	STD7 580-378263/10	100.0	110.071204	100.0	15589.0	1.100712	Y
8	STD8 580-378263/9	200.0	246.525902	100.0	16292.0	1.23263	Y
9	STD9IS 580-378263/8	500.0	663.086966	100.0	14247.0	1.326174	Y
10	STD10 580-378263/7	1000.0	1347.102287	100.0	15564.0	1.347102	Y
11	STD11 580-378263/6	2000.0	2638.396624	100.0	15642.0	1.319198	Y
12	STD12 580-378263/5	5000.0	7203.693562	100.0	15703.0	1.440739	Y
13	STD13 580-378263/4	10000.0	13355.227985	100.0	18181.0	1.335523	Y



Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

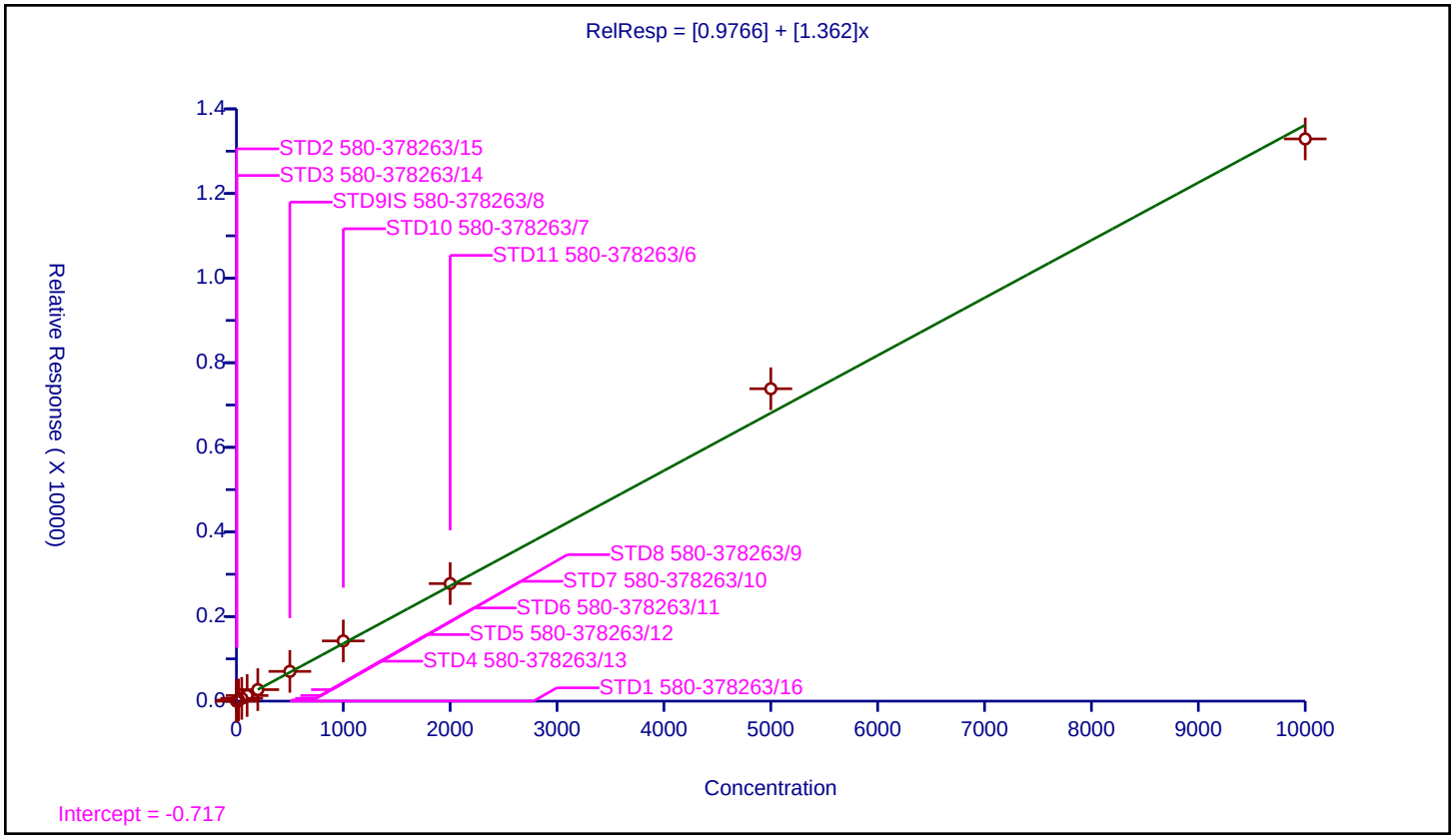
Curve Coefficients

Intercept:	0.9766
Slope:	1.362

Error Coefficients

Standard Error:	817000
Relative Standard Error:	5.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-378263/16	1.0	2.317144	100.0	12127.0	2.317144	Y
2	STD2 580-378263/15	2.0	3.799113	100.0	13082.0	1.899557	Y
3	STD3 580-378263/14	5.0	8.086407	100.0	14073.0	1.617281	Y
4	STD4 580-378263/13	10.0	13.605174	100.0	12679.0	1.360517	Y
5	STD5 580-378263/12	20.0	26.651411	100.0	13110.0	1.332571	Y
6	STD6 580-378263/11	50.0	65.486401	100.0	13641.0	1.309728	Y
7	STD7 580-378263/10	100.0	132.247097	100.0	15589.0	1.322471	Y
8	STD8 580-378263/9	200.0	272.507979	100.0	16292.0	1.36254	Y
9	STD9IS 580-378263/8	500.0	703.748158	100.0	14247.0	1.407496	Y
10	STD10 580-378263/7	1000.0	1423.207402	100.0	15564.0	1.423207	Y
11	STD11 580-378263/6	2000.0	2778.800665	100.0	15642.0	1.3894	Y
12	STD12 580-378263/5	5000.0	7384.70356	100.0	15703.0	1.476941	Y
13	STD13 580-378263/4	10000.0	13290.710082	100.0	18181.0	1.329071	Y



FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Lab Sample ID (1): CCVIS 580-384301/3 Instrument ID (1): TAC050

GC Column (1): ZB-SV ID: 0.25(mm) Date Analyzed (1): 03/18/2022 11:17

ANALYTE	RT	RESOLUTION (%)
Benzo[b]fluoranthene	12.45	74.80

Resolution Report

Eurofins Seattle

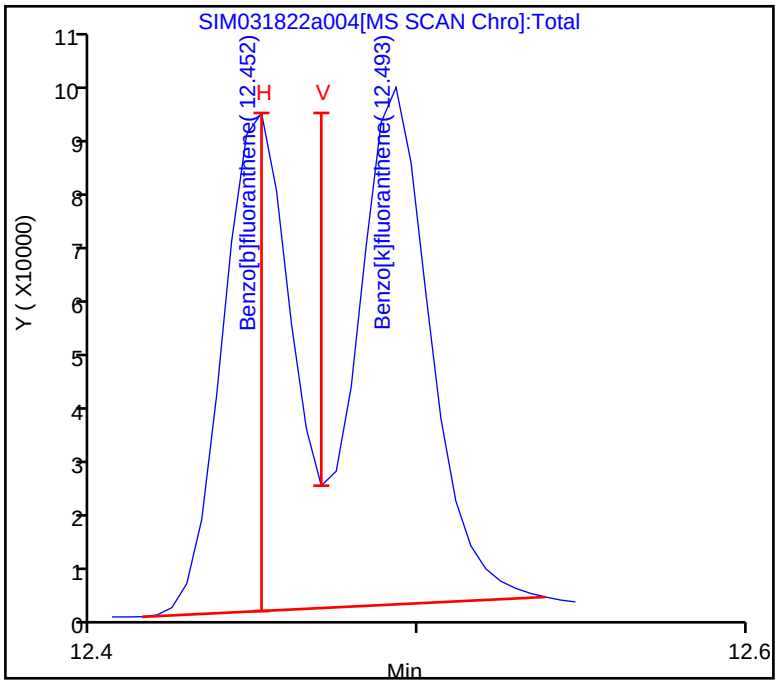
Data File: \\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\SIM031822a004.D
Injection Date: 18-Mar-2022 11:17:30 Instrument ID: TAC050
Lims ID: ccvis
Client ID:
Operator ID: tl ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0

24 Benzo[b]fluoranthene - 25 Benzo[k]fluoranthene

CLP Method

%Resolution = (V/H) * 100
V(Valley Height) = 68961
H(Smaller Peak Height) = 92159

%Resolution = 74.8, Min. Resolution > 25.0
Passed



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Seattle | Job No.: 580-111294-1

SDG No.:

Lab Sample ID: ICV 580-378263/18 | Calibration Date: 01/14/2022 05:42

Instrument ID: TAC050 | Calib Start Date: 01/14/2022 01:16

GC Column: ZB-SV ID: 0.25(mm) | Calib End Date: 01/14/2022 05:04

Lab File ID: SIM011322b028.D | Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	1.058	1.007	0.7000	952	1000	-4.8	20.0
2-Methylnaphthalene	Ave	0.5998	0.5457	0.4000	910	1000	-9.0	20.0
1-Methylnaphthalene	Ave	0.5810	0.5330	0.1000	917	1000	-8.3	20.0
Acenaphthylene	Ave	2.114	2.031	0.9000	961	1000	-3.9	20.0
Acenaphthene	Ave	1.327	1.304	0.9000	983	1000	-1.7	20.0
Fluorene	Ave	1.479	1.471	0.9000	995	1000	-0.5	20.0
Pentachlorophenol	Qua2		0.1481	0.0500	2040	2000	1.8	20.0
Phenanthrene	Lin2		1.270	0.7000	1010	1000	1.0	20.0
Anthracene	Lin2		1.275	0.7000	1000	1000	0.4	20.0
Fluoranthene	Lin2		1.256	0.6000	1010	1000	1.1	20.0
Pyrene	Lin2		1.328	0.6000	1010	1000	1.5	20.0
Benzo[a]anthracene	Lin2		1.464	0.8000	1020	1000	1.9	20.0
Chrysene	Lin2		1.493	0.7000	996	1000	-0.4	20.0
Bis(2-ethylhexyl) phthalate	Qua2		1.780	0.0100	978	1000	-2.2	20.0
Benzo[b]fluoranthene	Lin2		1.349	0.7000	1030	1000	3.4	20.0
Benzo[k]fluoranthene	Lin2		1.500	0.7000	1030	1000	2.6	20.0
Benzo[a]pyrene	Lin2		1.374	0.7000	1060	1000	5.5	20.0
Indeno[1,2,3-cd]pyrene	Qua2		1.131	0.5000	1020	1000	2.4	20.0
Dibenz(a,h)anthracene	Lin2		1.281	0.4000	1020	1000	1.9	20.0
Benzo[g,h,i]perylene	Lin2		1.378	0.5000	1010	1000	1.1	20.0
2-methylnaphthalene-d10	Ave	0.5916	0.5528		934	1000	-6.6	20.0
2-Fluorobiphenyl	Ave	1.600	1.469		918	1000	-8.2	20.0
2,4,6-Tribromophenol	Qua1		0.2598		945	1000	-5.5	20.0
Fluoranthene-d10 (Surr)	Lin2		1.001		969	1000	-3.1	20.0
Terphenyl-d14	Ave	0.8014	0.7713		962	1000	-3.8	20.0

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b028.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 14-Jan-2022 05:42:30 ALS Bottle#: 18 Worklist Smp#: 18
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: icv
Operator ID: jcm Instrument ID: TAC050
Sublist:

Method: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\TAC050_SIM_PAH.m
Limit Group: 8270D_SIM QSM 5.0
Last Update: 14-Jan-2022 15:42:24 Calib Date: 14-Jan-2022 05:04:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D

Column 1 : Det: MS SCAN
Process Host: CTX1628

First Level Reviewer: limmere Date: 14-Jan-2022 10:32:32

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 Naphthalene-d8	136	5.171	5.171	0.000	90	19239	100.0	100.0	
* 2 Acenaphthene-d10	164	6.854	6.854	0.000	70	9013	100.0	100.0	
* 3 Phenanthrene-d10	188	8.319	8.319	0.001	56	13922	100.0	100.0	
* 4 Chrysene-d12	240	11.030	11.030	0.000	75	11197	100.0	100.0	
* 5 Perylene-d12	264	13.075	13.074	0.000	69	12527	100.0	100.0	
$ 6 2-methylnaphthalene-d10	152	5.809	5.809	0.000	67	106359	1000.0	934.5	
$ 10 2-Fluorobiphenyl	172	6.190	6.190	0.000	0	132367	1000.0	917.8	
$ 7 2,4,6-Tribromophenol	330	7.628	7.628	0.000	58	23413	1000.0	944.8	
$ 8 Fluoranthene-d10 (Surr)	212	9.502	9.502	0.000	69	139357	1000.0	968.9	
$ 9 Terphenyl-d14	244	9.896	9.896	0.000	95	107374	1000.0	962.3	
11 Naphthalene	128	5.189	5.189	0.000	100	193644	1000.0	951.7	
12 2-Methylnaphthalene	141	5.841	5.841	0.000	96	104994	1000.0	909.8	
13 1-Methylnaphthalene	141	5.937	5.937	0.000	98	102546	1000.0	917.4	
14 Acenaphthylene	152	6.717	6.717	0.000	100	183034	1000.0	960.6	
15 Acenaphthene	153	6.885	6.884	0.001	97	117557	1000.0	983.1	
16 Fluorene	166	7.394	7.389	0.005	93	132613	1000.0	994.8	
17 Pentachlorophenol	266	8.126	8.126	0.000	98	33157	2000.0	2035.3	
18 Phenanthrene	178	8.342	8.342	0.000	100	176875	1000.0	1010.5	
19 Anthracene	178	8.393	8.389	0.004	100	177512	1000.0	1003.8	
20 Fluoranthene	202	9.522	9.522	0.000	56	174864	1000.0	1011.1	
21 Pyrene	202	9.746	9.746	0.000	52	184839	1000.0	1014.5	
22 Benzo[a]anthracene	228	11.012	11.012	0.000	95	163943	1000.0	1018.6	M
23 Chrysene	228	11.058	11.057	0.001	99	167226	1000.0	995.6	
30 Bis(2-ethylhexyl) phthalate	149	11.895	11.895	0.000	0	199292	1000.0	978.3	Ma
24 Benzo[b]fluoranthene	252	12.470	12.470	0.000	98	168933	1000.0	1033.6	a
25 Benzo[k]fluoranthene	252	12.516	12.511	0.005	95	187859	1000.0	1025.7	
26 Benzo[a]pyrene	252	12.983	12.983	0.000	97	172065	1000.0	1055.1	
27 Indeno[1,2,3-cd]pyrene	276	14.941	14.935	0.006	96	141658	1000.0	1024.2	
28 Dibenz(a,h)anthracene	278	14.984	14.984	0.000	96	160457	1000.0	1018.8	
29 Benzo[g,h,i]perylene	276	15.429	15.429	0.000	95	172648	1000.0	1011.3	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

icv_8270_1000_00014 Amount Added: 1.00 Units: mL

Report Date: 14-Jan-2022 15:43:28 Chrom Revision: 2.3 03-Jan-2022 17:03:12

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b028.D

Injection Date: 14-Jan-2022 05:42:30 Instrument ID: TAC050

Lims ID: ICV

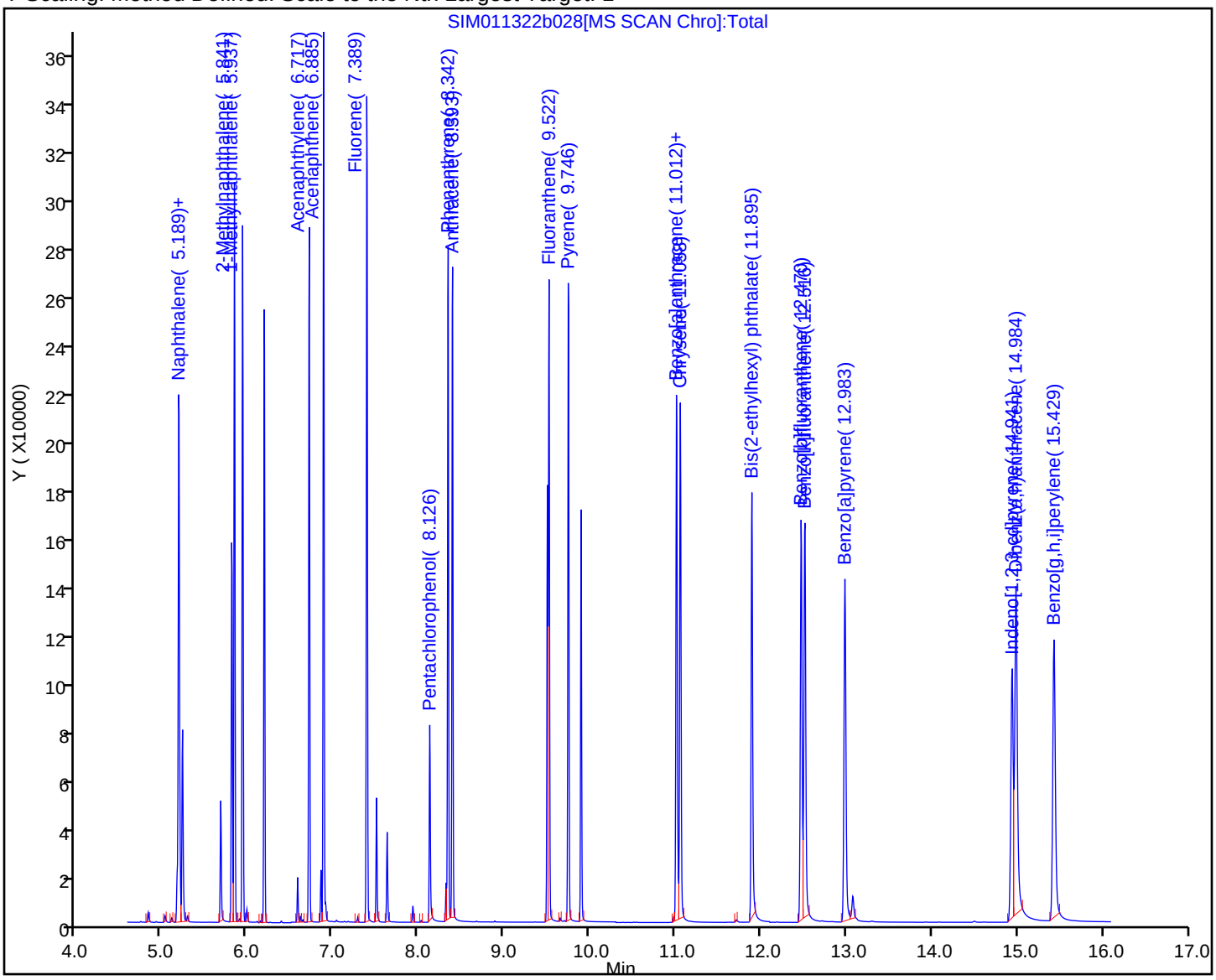
Client ID:

Operator ID: jcm ALS Bottle#: 18 Worklist Smp#: 18

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle

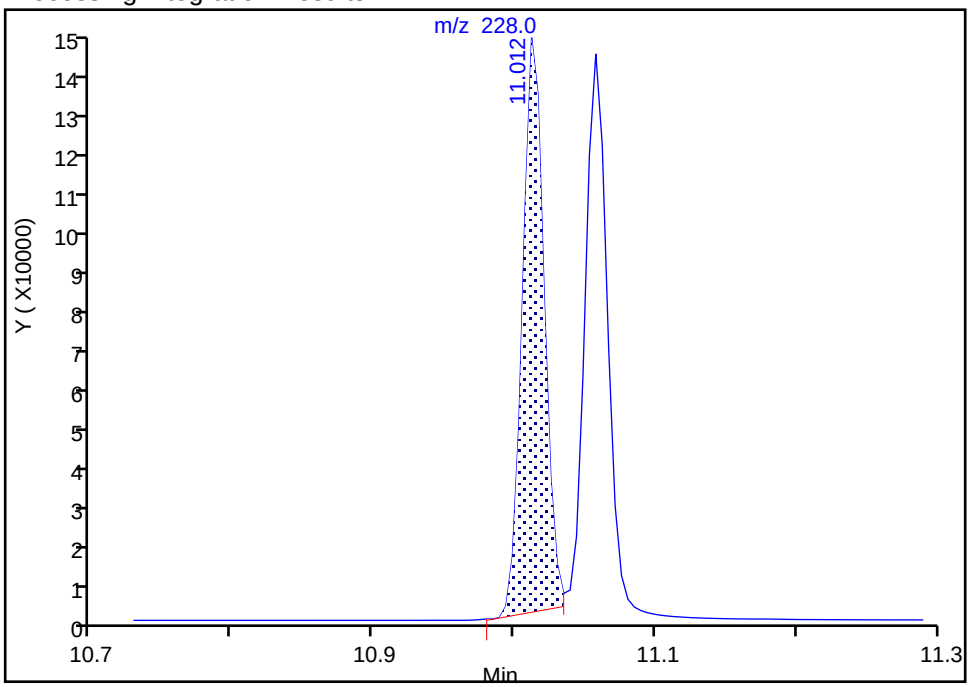
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b028.D
Injection Date: 14-Jan-2022 05:42:30 Instrument ID: TAC050
Lims ID: ICV
Client ID:
Operator ID: jcm ALS Bottle#: 18 Worklist Smp#: 18
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

22 Benzo[a]anthracene, CAS: 56-55-3

Signal: 1

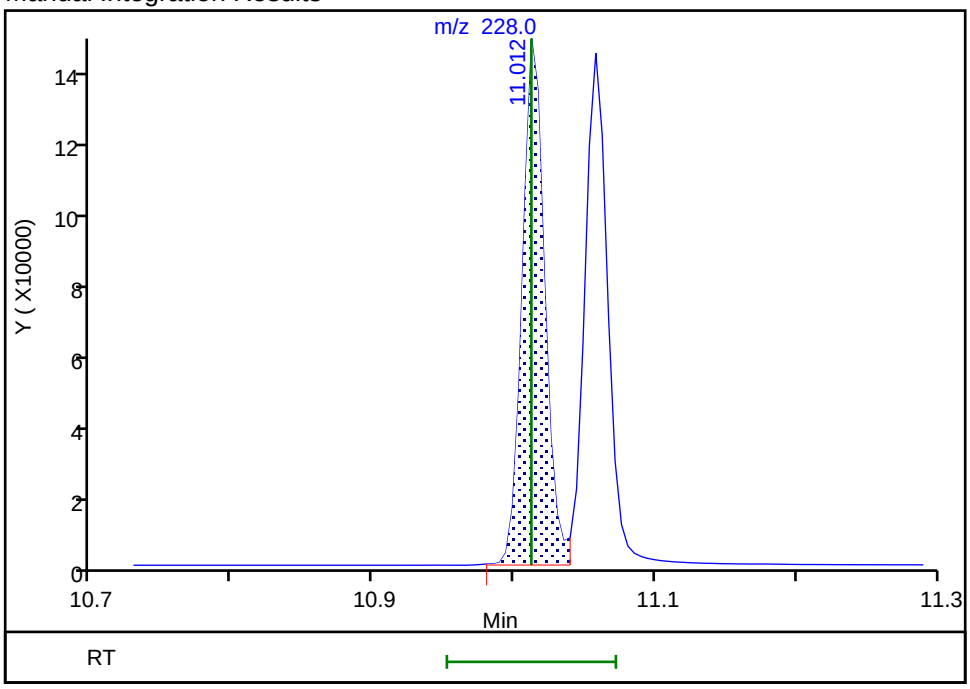
Processing Integration Results

RT: 11.01
Area: 156356
Amount: 971.4247
Amount Units: ug/L



Manual Integration Results

RT: 11.01
Area: 163943
Amount: 1018.6257
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 15:39:00
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Seattle

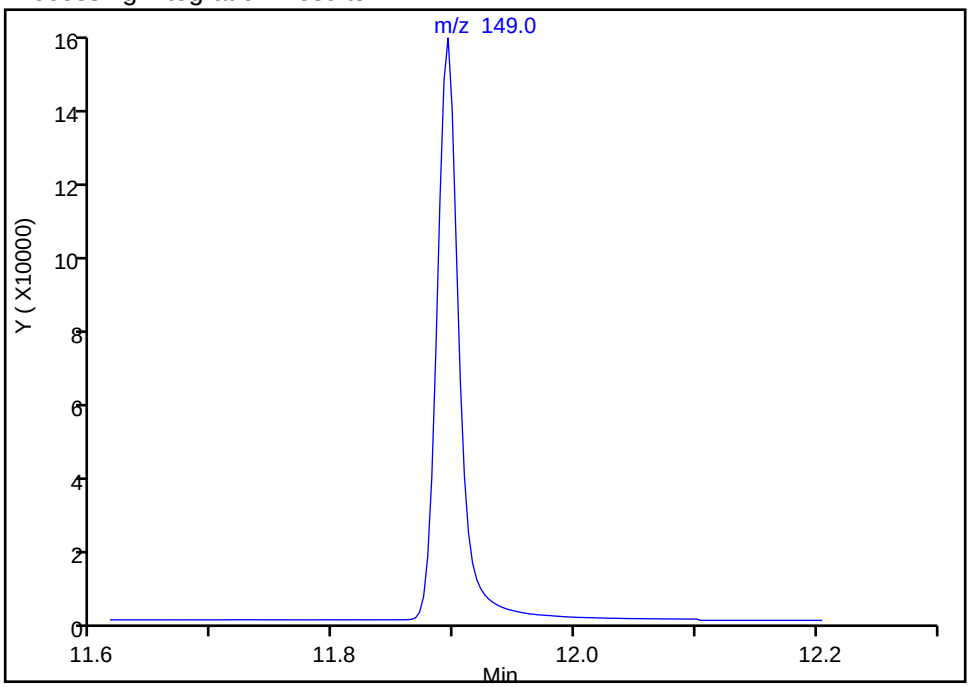
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b028.D
Injection Date: 14-Jan-2022 05:42:30 Instrument ID: TAC050
Lims ID: ICV
Client ID:
Operator ID: jcm ALS Bottle#: 18 Worklist Smp#: 18
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

30 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7

Signal: 1

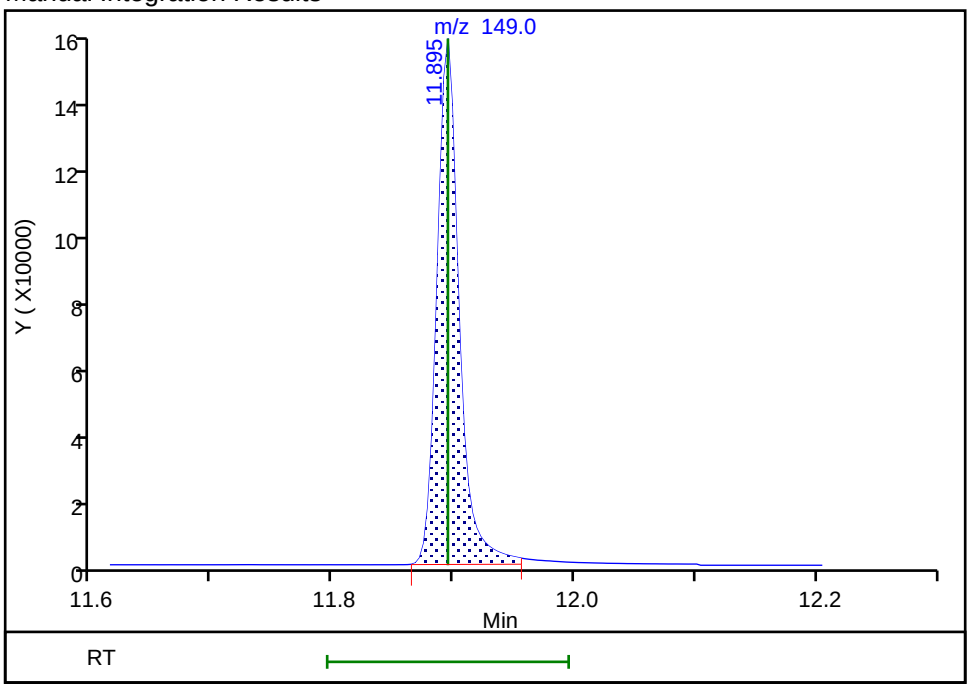
Not Detected
Expected RT: 11.89

Processing Integration Results



Manual Integration Results

RT: 11.89
Area: 199292
Amount: 978.3341
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 15:39:14
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Seattle

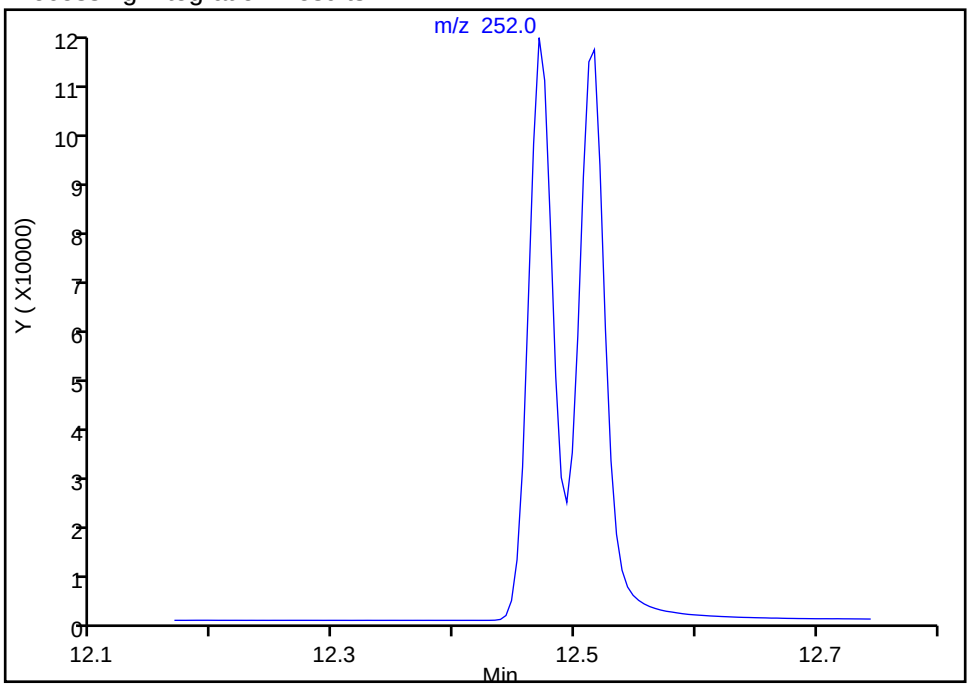
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b028.D
Injection Date: 14-Jan-2022 05:42:30 Instrument ID: TAC050
Lims ID: ICV
Client ID:
Operator ID: jcm ALS Bottle#: 18 Worklist Smp#: 18
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

24 Benzo[b]fluoranthene, CAS: 205-99-2

Signal: 1

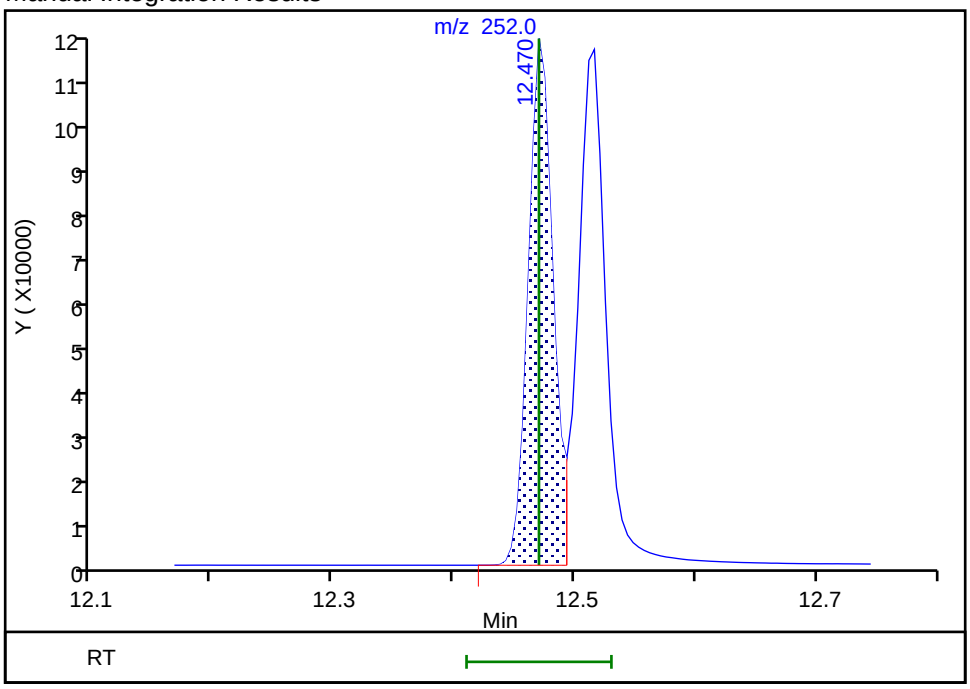
Not Detected
Expected RT: 12.47

Processing Integration Results



Manual Integration Results

RT: 12.47
Area: 168933
Amount: 1033.6214
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 15:39:17
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Lab Sample ID: CCVIS 580-384301/3 Calibration Date: 03/18/2022 11:17

Instrument ID: TAC050 Calib Start Date: 01/14/2022 01:16

GC Column: ZB-SV ID: 0.25(mm) Calib End Date: 01/14/2022 05:04

Lab File ID: SIM031822a004.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	1.058	0.9660	0.7000	457	500	-8.7	20.0
2-Methylnaphthalene	Ave	0.5998	0.5225	0.4000	436	500	-12.9	20.0
1-Methylnaphthalene	Ave	0.5810	0.5237	0.1000	451	500	-9.9	20.0
Acenaphthylene	Ave	2.114	1.800	0.9000	426	500	-14.9	20.0
Acenaphthene	Ave	1.327	1.239	0.9000	467	500	-6.6	20.0
Fluorene	Ave	1.479	1.400	0.9000	473	500	-5.4	20.0
Pentachlorophenol	Qua2		0.1280	0.0500	1080	1000	8.4	20.0
Phenanthrene	Lin2		1.148	0.7000	456	500	-8.8	20.0
Anthracene	Lin2		1.165	0.7000	458	500	-8.4	20.0
Fluoranthene	Lin2		1.173	0.6000	471	500	-5.7	20.0
Pyrene	Lin2		1.238	0.6000	472	500	-5.6	20.0
Benzo[a]anthracene	Lin2		1.332	0.8000	463	500	-7.5	20.0
Chrysene	Lin2		1.373	0.7000	457	500	-8.6	20.0
Bis(2-ethylhexyl) phthalate	Qua2		1.594	0.0100	455	500	-8.9	20.0
Benzo[b]fluoranthene	Lin2		1.239	0.7000	474	500	-5.2	20.0
Benzo[k]fluoranthene	Lin2		1.498	0.7000	512	500	2.4	20.0
Benzo[a]pyrene	Lin2		1.175	0.7000	451	500	-9.9	20.0
Indeno[1,2,3-cd]pyrene	Qua2		1.086	0.5000	496	500	-0.9	20.0
Dibenz(a,h)anthracene	Lin2		1.290	0.4000	513	500	2.6	20.0
Benzo[g,h,i]perylene	Lin2		1.448	0.5000	531	500	6.2	20.0
2-methylnaphthalene-d10	Ave	0.5916	0.5437		459	500	-8.1	20.0
2-Fluorobiphenyl	Ave	1.600	1.421		444	500	-11.2	20.0
2,4,6-Tribromophenol	Qua1		0.2644		492	500	-1.7	20.0
Fluoranthene-d10 (Surr)	Lin2		0.9721		470	500	-6.0	20.0
Terphenyl-d14	Ave	0.8014	0.7369		460	500	-8.0	20.0

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\SIM031822a004.D
Lims ID: ccvis
Client ID:
Sample Type: CCVIS
Inject. Date: 18-Mar-2022 11:17:30 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: CCVIS
Operator ID: tl Instrument ID: TAC050
Sublist: chrom-TAC050_SIM_PAH*sub9

Method: \\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\TAC050_SIM_PAH.m
Limit Group: 8270D_SIM QSM 5.0
Last Update: 21-Mar-2022 08:34:09 Calib Date: 14-Jan-2022 05:04:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D

Column 1 : Det: MS SCAN
Process Host: CTX1643

First Level Reviewer: limwirojt Date: 21-Mar-2022 08:34:09

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 Naphthalene-d8	136	5.148	5.148	0.000	90	23190	100.0	100.0	
* 2 Acenaphthene-d10	164	6.836	6.836	0.000	71	11229	100.0	100.0	
* 3 Phenanthrene-d10	188	8.299	8.299	0.000	56	18122	100.0	100.0	
* 4 Chrysene-d12	240	11.007	11.007	0.000	67	14728	100.0	100.0	
* 5 Perylene-d12	264	13.061	13.061	0.000	69	16117	100.0	100.0	
$ 6 2-methylnaphthalene-d10	152	5.791	5.791	0.000	67	63038	500.0	459.5	
$ 10 2-Fluorobiphenyl	172	6.170	6.170	0.000	0	79763	500.0	443.9	Ma
$ 7 2,4,6-Tribromophenol	330	7.614	7.614	0.000	57	14844	500.0	491.5	
$ 8 Fluoranthene-d10 (Surr)	212	9.486	9.486	0.000	68	88079	500.0	469.9	
$ 9 Terphenyl-d14	244	9.880	9.880	0.000	94	66774	500.0	459.8	
11 Naphthalene	128	5.171	5.171	0.000	100	112008	500.0	456.7	
12 2-Methylnaphthalene	141	5.823	5.823	0.000	93	60589	500.0	435.6	
13 1-Methylnaphthalene	141	5.914	5.914	0.000	99	60728	500.0	450.7	
14 Acenaphthylene	152	6.695	6.695	0.000	100	101056	500.0	425.7	
15 Acenaphthene	153	6.867	6.867	0.000	99	69569	500.0	467.0	
16 Fluorene	166	7.371	7.371	0.000	96	78591	500.0	473.2	
17 Pentachlorophenol	266	8.114	8.114	0.000	97	18855	1000.0	1084.1	
18 Phenanthrene	178	8.322	8.322	0.000	100	104016	500.0	455.9	
19 Anthracene	178	8.373	8.373	0.000	100	105528	500.0	457.9	
20 Fluoranthene	202	9.502	9.502	0.000	52	106267	500.0	471.4	
21 Pyrene	202	9.731	9.731	0.000	52	112141	500.0	472.2	
22 Benzo[a]anthracene	228	10.994	10.994	0.000	95	98086	500.0	462.6	
23 Chrysene	228	11.039	11.039	0.000	99	101094	500.0	456.8	
30 Bis(2-ethylhexyl) phthalate	149	11.861	11.861	0.000	0	117367	500.0	455.4	Ma
24 Benzo[b]fluoranthene	252	12.452	12.452	0.000	97	99806	500.0	474.2	
25 Benzo[k]fluoranthene	252	12.493	12.493	0.000	95	120743	500.0	512.0	
26 Benzo[a]pyrene	252	12.964	12.964	0.000	96	94661	500.0	450.7	
27 Indeno[1,2,3-cd]pyrene	276	14.919	14.919	0.000	95	87504	500.0	495.5	M
28 Dibenz(a,h)anthracene	278	14.962	14.962	0.000	96	103991	500.0	512.9	a
29 Benzo[g,h,i]perylene	276	15.407	15.407	0.000	94	116651	500.0	530.8	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

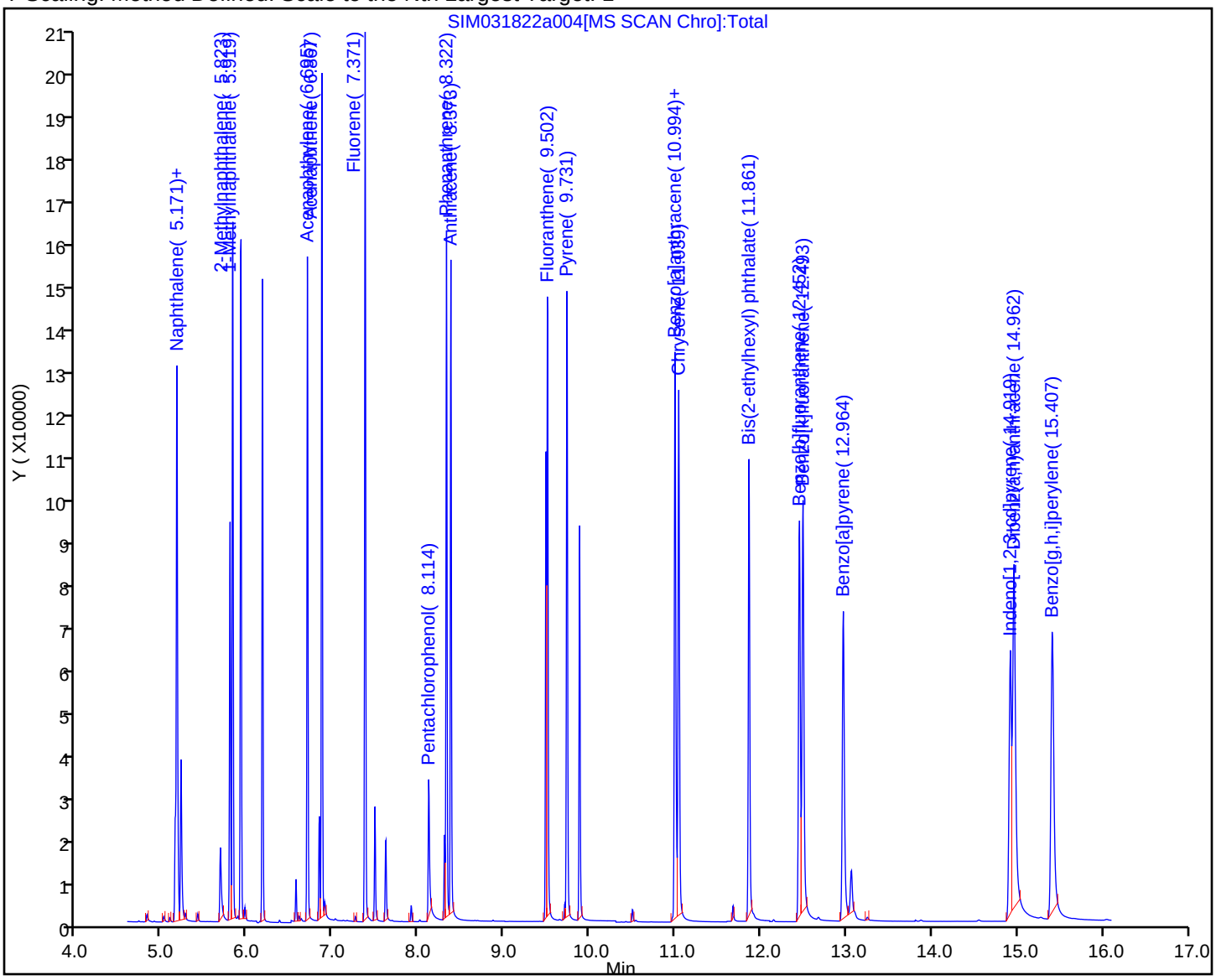
Reagents:

ccv_SIM_500_00086 Amount Added: 1.00 Units: mL

Report Date: 21-Mar-2022 08:34:10 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\SIM031822a004.D
Injection Date: 18-Mar-2022 11:17:30 Instrument ID: TAC050
Lims ID: ccvis
Client ID:
Operator ID: tl ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Seattle

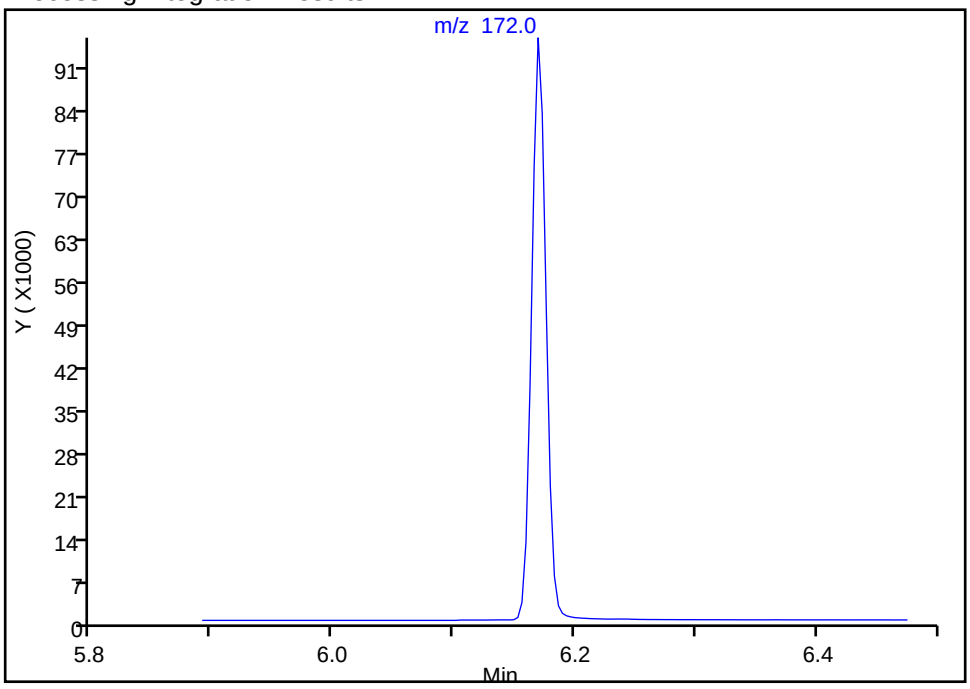
Data File: \\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\SIM031822a004.D
Injection Date: 18-Mar-2022 11:17:30 Instrument ID: TAC050
Lims ID: ccvis
Client ID:
Operator ID: tl ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

$ 10 2-Fluorobiphenyl, CAS: 321-60-8

Signal: 1

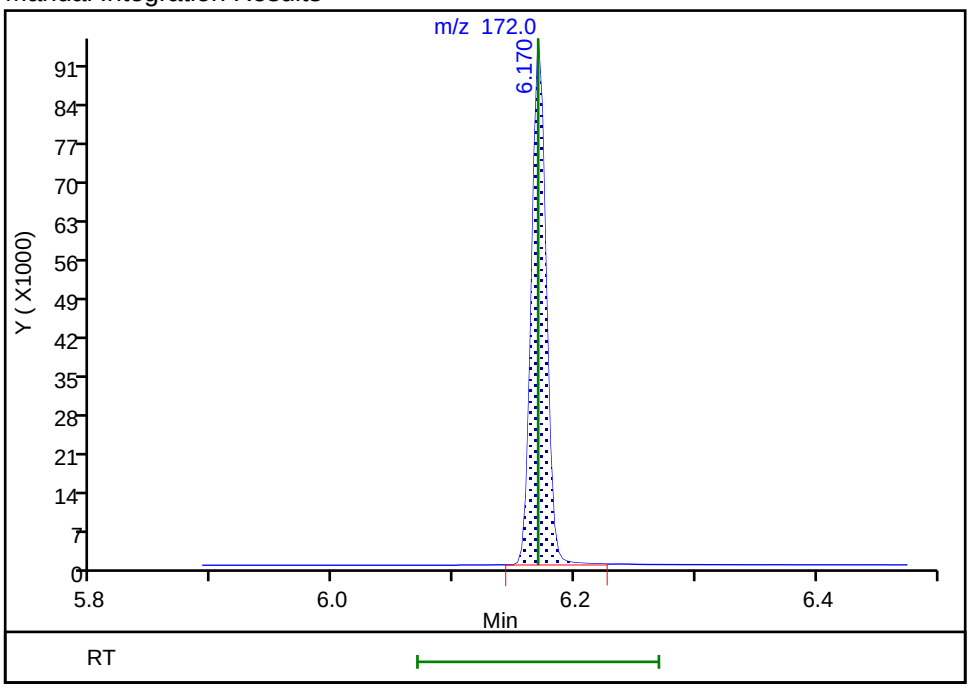
Not Detected
Expected RT: 6.17

Processing Integration Results



Manual Integration Results

RT: 6.17
Area: 79763
Amount: 443.9071
Amount Units: ug/L



Reviewer: limwirojt, 21-Mar-2022 08:33:37
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Seattle

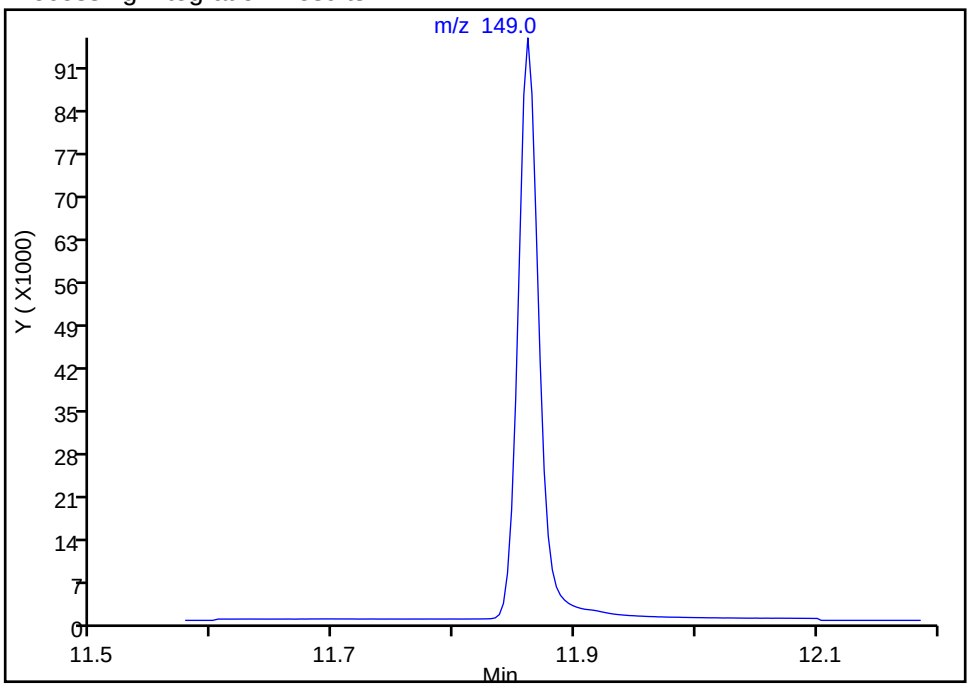
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\SIM031822a004.D				
Injection Date:	18-Mar-2022 11:17:30	Instrument ID:	TAC050		
Lims ID:	ccvis				
Client ID:					
Operator ID:	tl	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

30 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7

Signal: 1

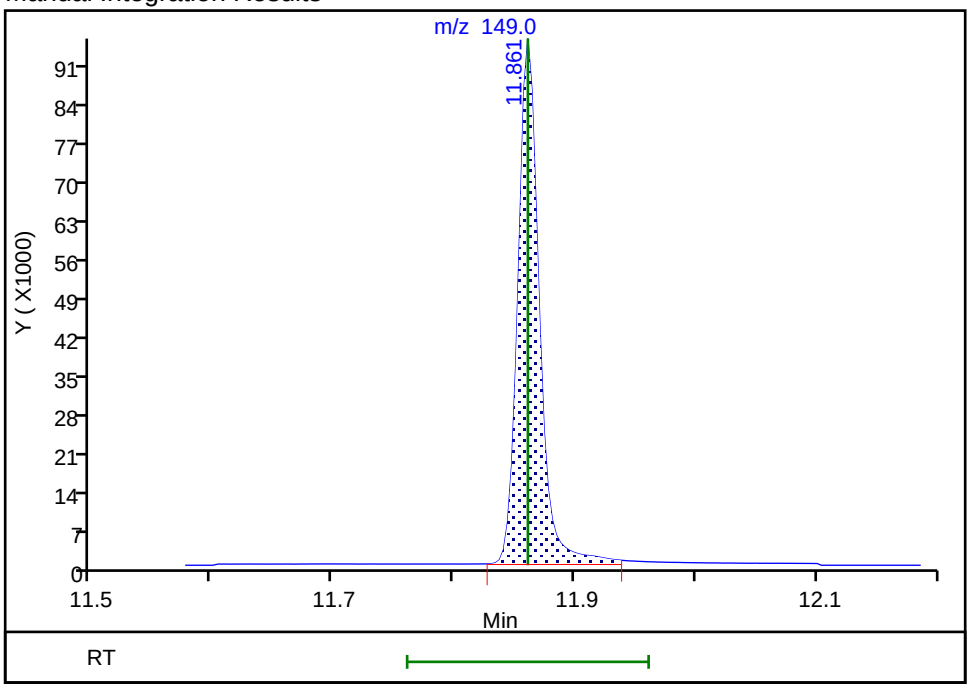
Not Detected
Expected RT: 11.86

Processing Integration Results



Manual Integration Results

RT: 11.86
Area: 117367
Amount: 455.3738
Amount Units: ug/L



Reviewer: limwirojt, 21-Mar-2022 08:33:53
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Seattle

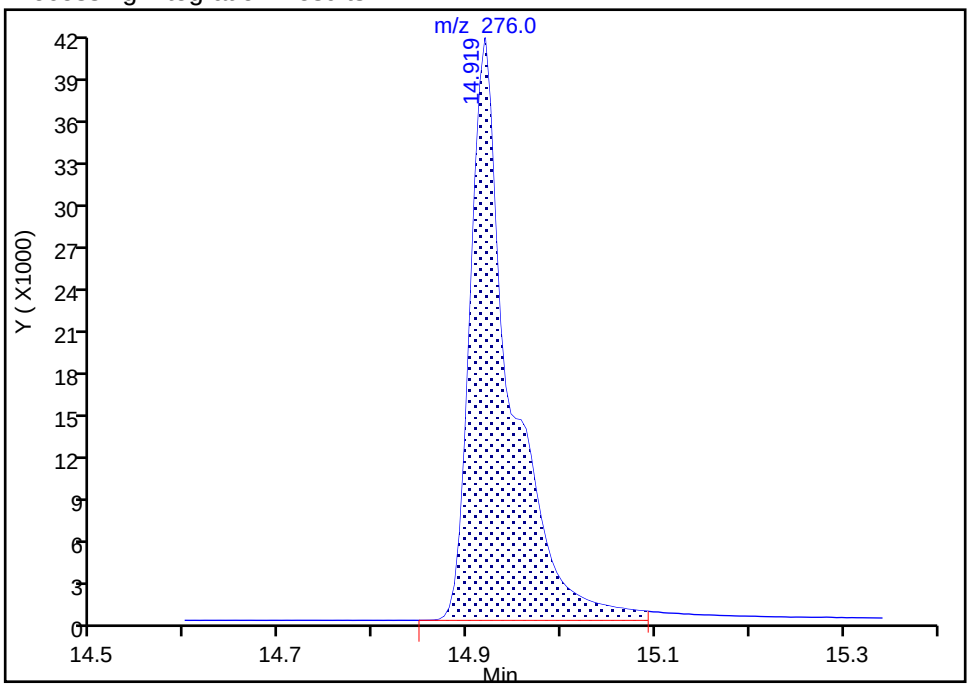
Data File: \\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\SIM031822a004.D
Injection Date: 18-Mar-2022 11:17:30 Instrument ID: TAC050
Lims ID: ccvis
Client ID:
Operator ID: tl ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

27 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

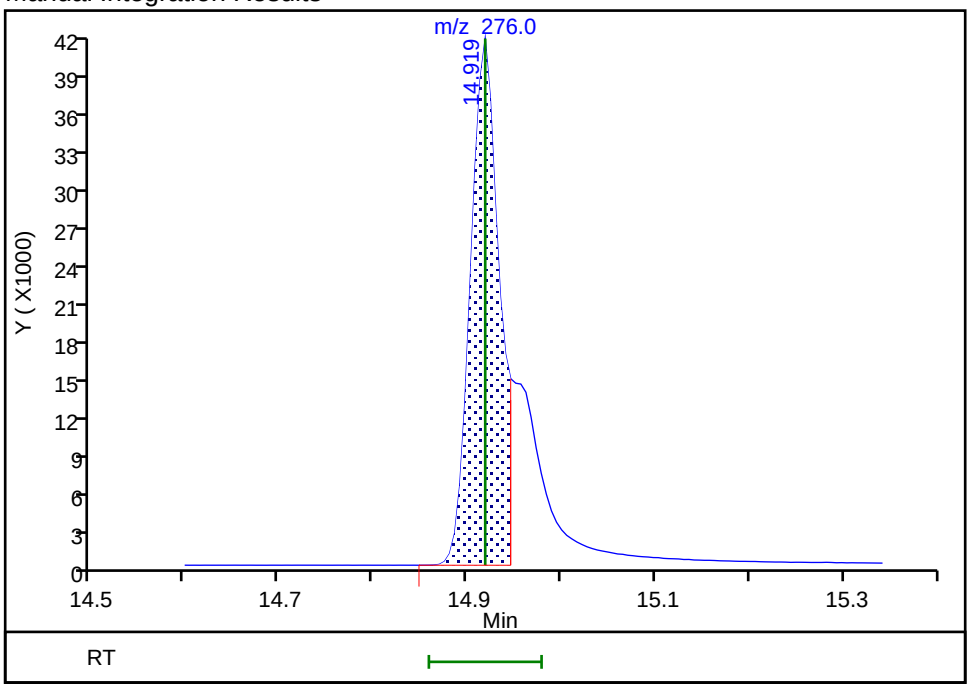
Processing Integration Results

RT: 14.92
Area: 124891
Amount: 705.0860
Amount Units: ug/L



Manual Integration Results

RT: 14.92
Area: 87504
Amount: 495.5433
Amount Units: ug/L



Reviewer: limwirojt, 21-Mar-2022 08:34:05
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

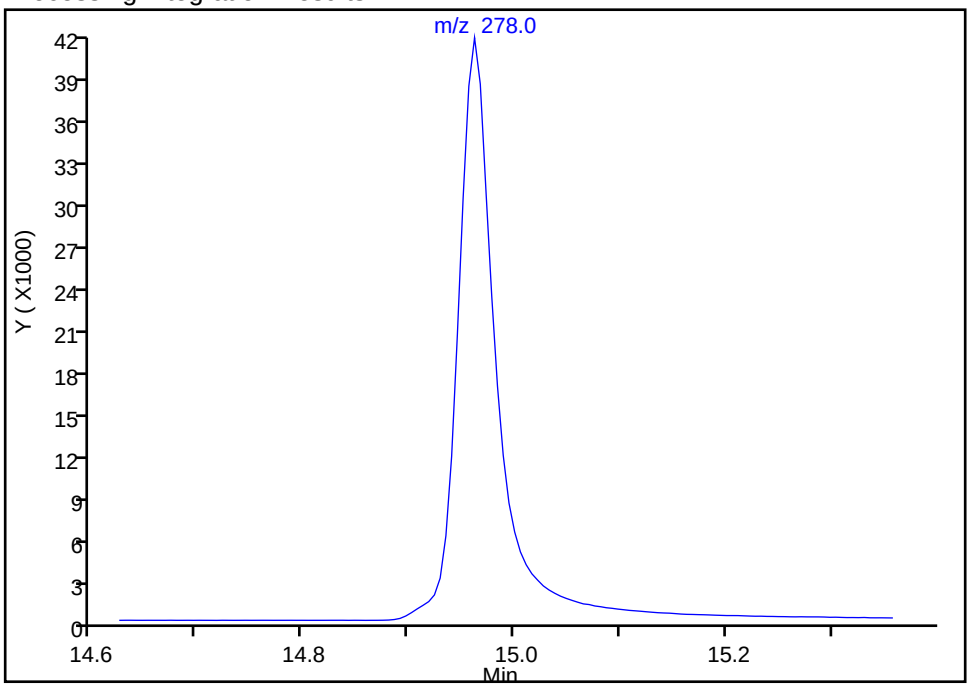
Data File: \\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\SIM031822a004.D
Injection Date: 18-Mar-2022 11:17:30 Instrument ID: TAC050
Lims ID: ccvis
Client ID:
Operator ID: tl ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

28 Dibenz(a,h)anthracene, CAS: 53-70-3

Signal: 1

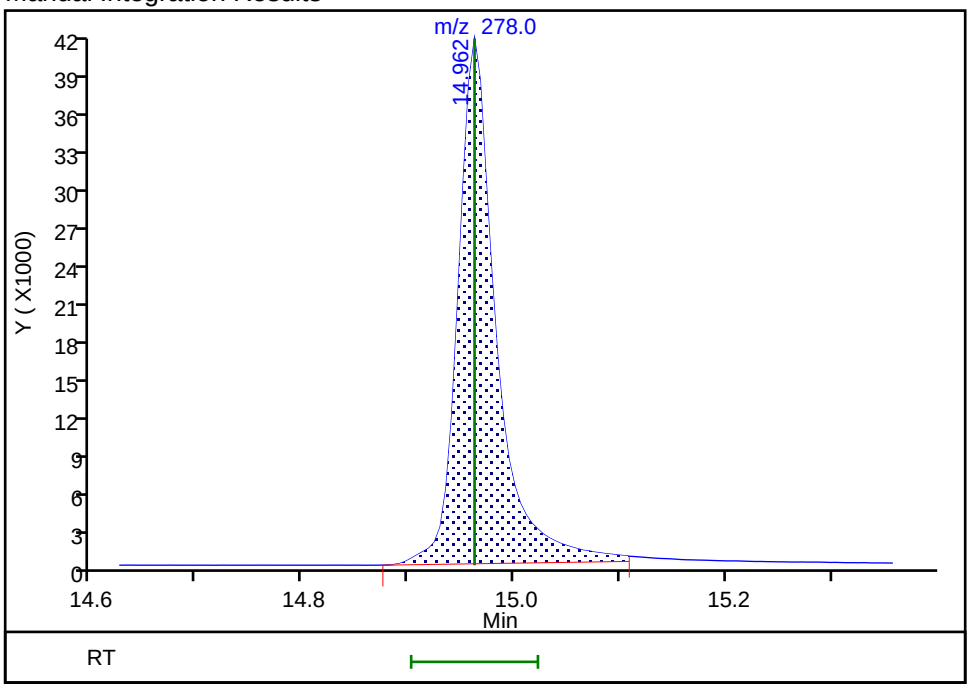
Not Detected
Expected RT: 14.96

Processing Integration Results



Manual Integration Results

RT: 14.96
Area: 103991
Amount: 512.8819
Amount Units: ug/L



Reviewer: limmere, 18-Mar-2022 12:51:32
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Lab Sample ID: CCVC 580-384301/12 Calibration Date: 03/18/2022 15:37

Instrument ID: TAC050 Calib Start Date: 01/14/2022 01:16

GC Column: ZB-SV ID: 0.25(mm) Calib End Date: 01/14/2022 05:04

Lab File ID: SIM031822a013.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	1.058	0.9643	0.7000	456	500	-8.8	50.0
2-Methylnaphthalene	Ave	0.5998	0.5242	0.4000	437	500	-12.6	50.0
1-Methylnaphthalene	Ave	0.5810	0.5224	0.1000	450	500	-10.1	50.0
Acenaphthylene	Ave	2.114	1.779	0.9000	421	500	-15.8	50.0
Acenaphthene	Ave	1.327	1.235	0.9000	466	500	-6.9	50.0
Fluorene	Ave	1.479	1.403	0.9000	474	500	-5.2	50.0
Pentachlorophenol	Qua2		0.1277	0.0500	1080	1000	8.2	50.0
Phenanthrene	Lin2		1.149	0.7000	456	500	-8.8	50.0
Anthracene	Lin2		1.153	0.7000	454	500	-9.3	50.0
Fluoranthene	Lin2		1.151	0.6000	463	500	-7.5	50.0
Pyrene	Lin2		1.216	0.6000	464	500	-7.2	50.0
Benzo[a]anthracene	Lin2		1.321	0.8000	459	500	-8.3	50.0
Chrysene	Lin2		1.366	0.7000	454	500	-9.1	50.0
Bis(2-ethylhexyl) phthalate	Qua2		1.585	0.0100	453	500	-9.4	50.0
Benzo[b]fluoranthene	Lin2		1.240	0.7000	475	500	-5.1	50.0
Benzo[k]fluoranthene	Lin2		1.512	0.7000	517	500	3.4	50.0
Benzo[a]pyrene	Lin2		1.184	0.7000	454	500	-9.1	50.0
Indeno[1,2,3-cd]pyrene	Qua2		1.158	0.5000	528	500	5.7	50.0
Dibenz(a,h)anthracene	Lin2		1.323	0.4000	526	500	5.2	50.0
Benzo[g,h,i]perylene	Lin2		1.443	0.5000	529	500	5.8	50.0
2-methylnaphthalene-d10	Ave	0.5916	0.5426		459	500	-8.3	50.0
2-Fluorobiphenyl	Ave	1.600	1.410		440	500	-11.9	50.0
2,4,6-Tribromophenol	Qua1		0.2675		497	500	-0.6	50.0
Fluoranthene-d10 (Surr)	Lin2		0.9621		465	500	-7.0	50.0
Terphenyl-d14	Ave	0.8014	0.7286		455	500	-9.1	50.0

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\SIM031822a013.D
Lims ID: ccvc
Client ID:
Sample Type: CCVC
Inject. Date: 18-Mar-2022 15:37:30 ALS Bottle#: 3 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: CCVIS
Operator ID: tl Instrument ID: TAC050
Sublist: chrom-TAC050_SIM_PAH*sub9

Method: \\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\TAC050_SIM_PAH.m
Limit Group: 8270D_SIM QSM 5.0
Last Update: 21-Mar-2022 09:05:08 Calib Date: 14-Jan-2022 05:04:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D

Column 1 : Det: MS SCAN
Process Host: CTX1643

First Level Reviewer: limwirojt Date: 21-Mar-2022 09:05:08

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 Naphthalene-d8	136	5.148	5.148	0.000	90	23919	100.0	100.0	
* 2 Acenaphthene-d10	164	6.836	6.836	0.000	71	11646	100.0	100.0	
* 3 Phenanthrene-d10	188	8.299	8.299	0.000	56	19130	100.0	100.0	
* 4 Chrysene-d12	240	11.012	11.007	0.005	76	15327	100.0	100.0	
* 5 Perylene-d12	264	13.061	13.061	0.000	69	16470	100.0	100.0	
$ 6 2-methylnaphthalene-d10	152	5.791	5.791	0.000	67	64895	500.0	458.6	
$ 10 2-Fluorobiphenyl	172	6.170	6.170	0.000	0	82090	500.0	440.5	Ma
$ 7 2,4,6-Tribromophenol	330	7.614	7.614	0.000	57	15579	500.0	497.2	
$ 8 Fluoranthene-d10 (Surr)	212	9.487	9.486	0.000	68	92029	500.0	465.1	
$ 9 Terphenyl-d14	244	9.880	9.880	0.000	94	69693	500.0	454.6	
11 Naphthalene	128	5.171	5.171	0.000	100	115330	500.0	455.9	
12 2-Methylnaphthalene	141	5.823	5.823	0.000	93	62692	500.0	437.0	
13 1-Methylnaphthalene	141	5.914	5.914	0.000	99	62479	500.0	449.6	
14 Acenaphthylene	152	6.695	6.695	0.000	100	103606	500.0	420.8	
15 Acenaphthene	153	6.862	6.867	-0.005	94	71937	500.0	465.6	
16 Fluorene	166	7.371	7.371	0.000	96	81688	500.0	474.2	
17 Pentachlorophenol	266	8.114	8.114	0.000	97	19566	1000.0	1081.7	
18 Phenanthrene	178	8.322	8.322	0.000	100	109865	500.0	456.2	
19 Anthracene	178	8.374	8.373	0.001	100	110328	500.0	453.5	
20 Fluoranthene	202	9.506	9.502	0.004	52	110114	500.0	462.7	
21 Pyrene	202	9.731	9.731	0.000	52	116337	500.0	464.0	
22 Benzo[a]anthracene	228	10.994	10.994	0.000	95	101198	500.0	458.6	
23 Chrysene	228	11.039	11.039	0.000	99	104646	500.0	454.3	
30 Bis(2-ethylhexyl) phthalate	149	11.861	11.861	0.000	0	121469	500.0	453.0	Ma
24 Benzo[b]fluoranthene	252	12.452	12.452	0.000	97	102080	500.0	474.6	
25 Benzo[k]fluoranthene	252	12.493	12.493	0.000	95	124537	500.0	516.8	
26 Benzo[a]pyrene	252	12.965	12.964	0.001	96	97496	500.0	454.3	
27 Indeno[1,2,3-cd]pyrene	276	14.919	14.919	0.000	95	95389	500.0	528.4	M
28 Dibenz(a,h)anthracene	278	14.962	14.962	0.000	96	108957	500.0	525.9	a
29 Benzo[g,h,i]perylene	276	15.407	15.407	0.000	94	118816	500.0	529.0	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

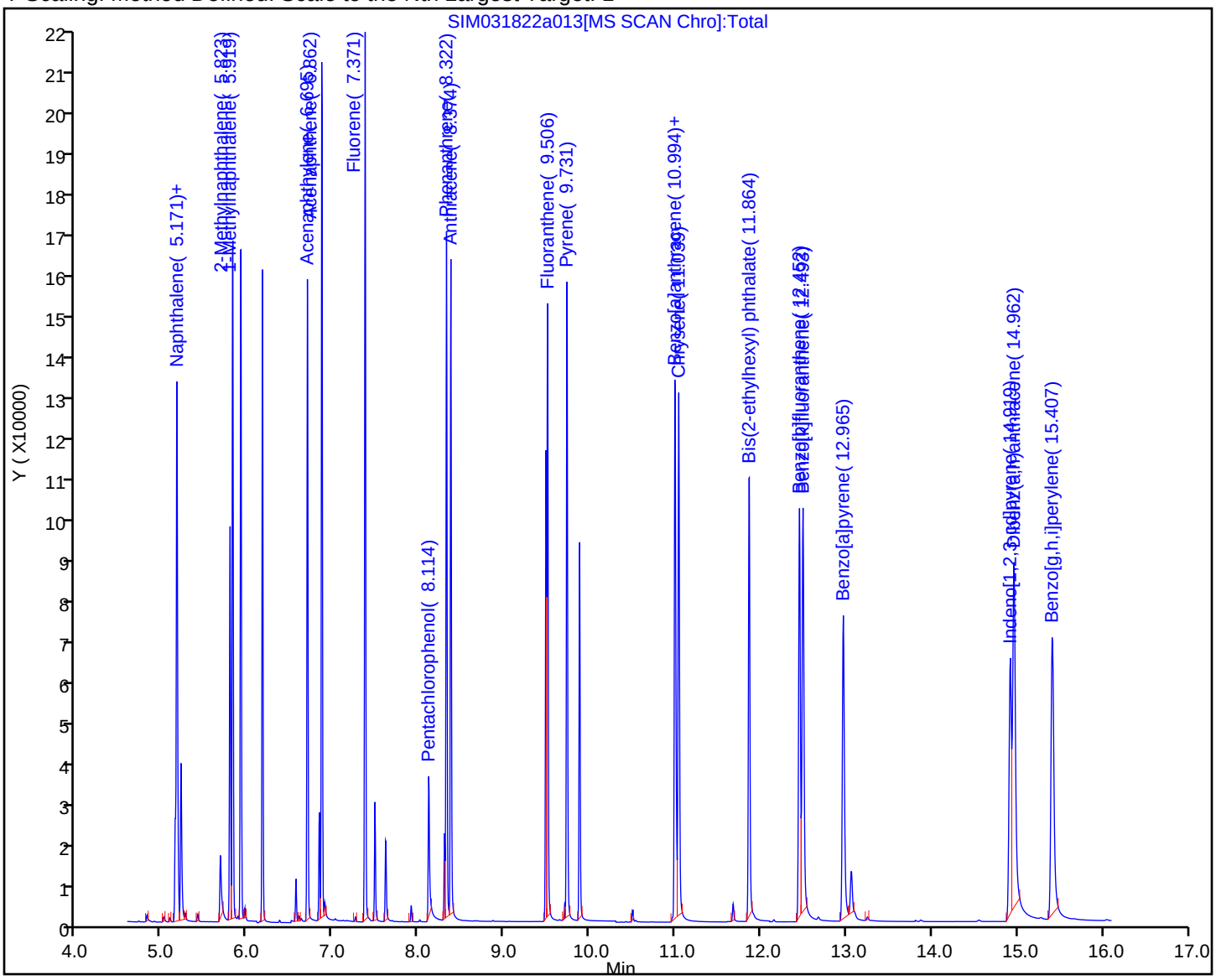
Reagents:

ccv_SIM_500_00086 Amount Added: 1.00 Units: mL

Report Date: 21-Mar-2022 09:05:08 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\SIM031822a013.D
Injection Date: 18-Mar-2022 15:37:30 Instrument ID: TAC050
Lims ID: ccvc
Client ID:
Operator ID: tl ALS Bottle#: 3 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Seattle

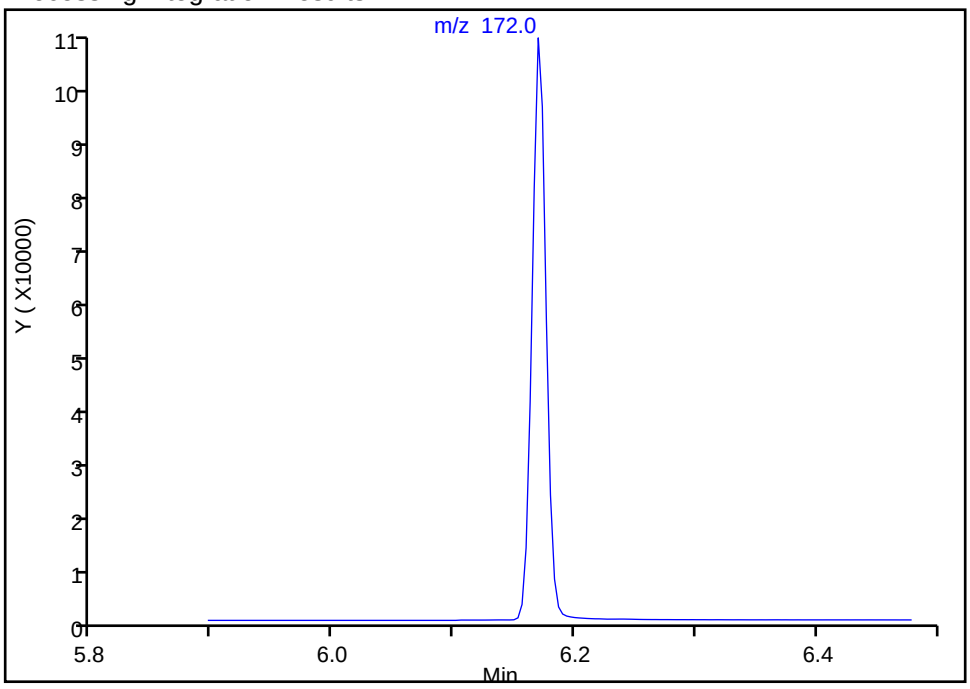
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\SIM031822a013.D				
Injection Date:	18-Mar-2022 15:37:30	Instrument ID:	TAC050		
Lims ID:	ccvc				
Client ID:					
Operator ID:	tl	ALS Bottle#:	3	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

$ 10 2-Fluorobiphenyl, CAS: 321-60-8

Signal: 1

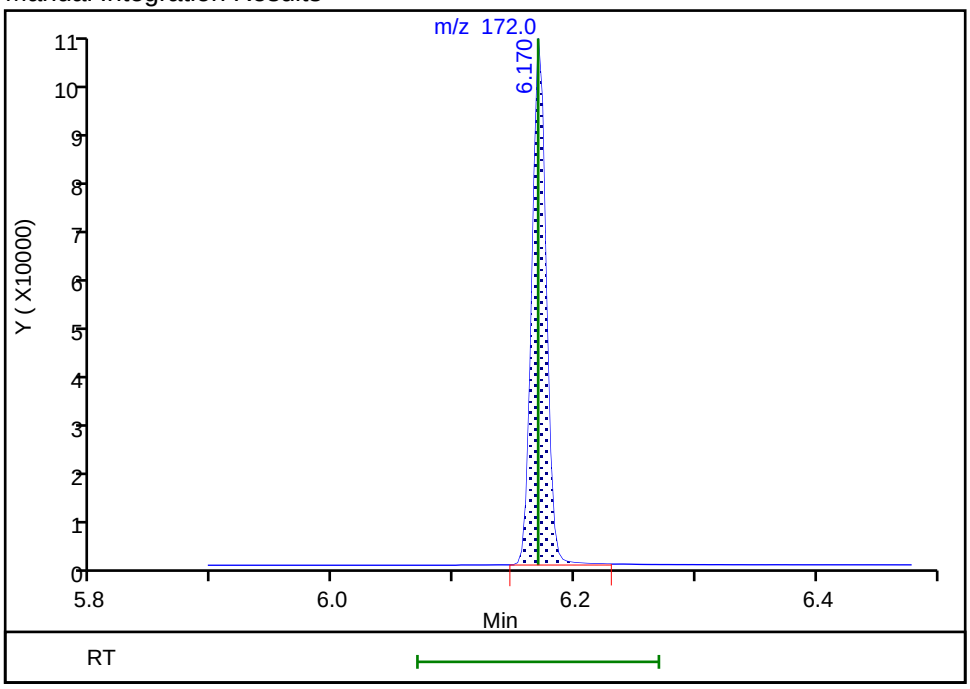
Not Detected
Expected RT: 6.17

Processing Integration Results



Manual Integration Results

RT: 6.17
Area: 82090
Amount: 440.4993
Amount Units: ug/L



Reviewer: limwirojt, 21-Mar-2022 09:04:18
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

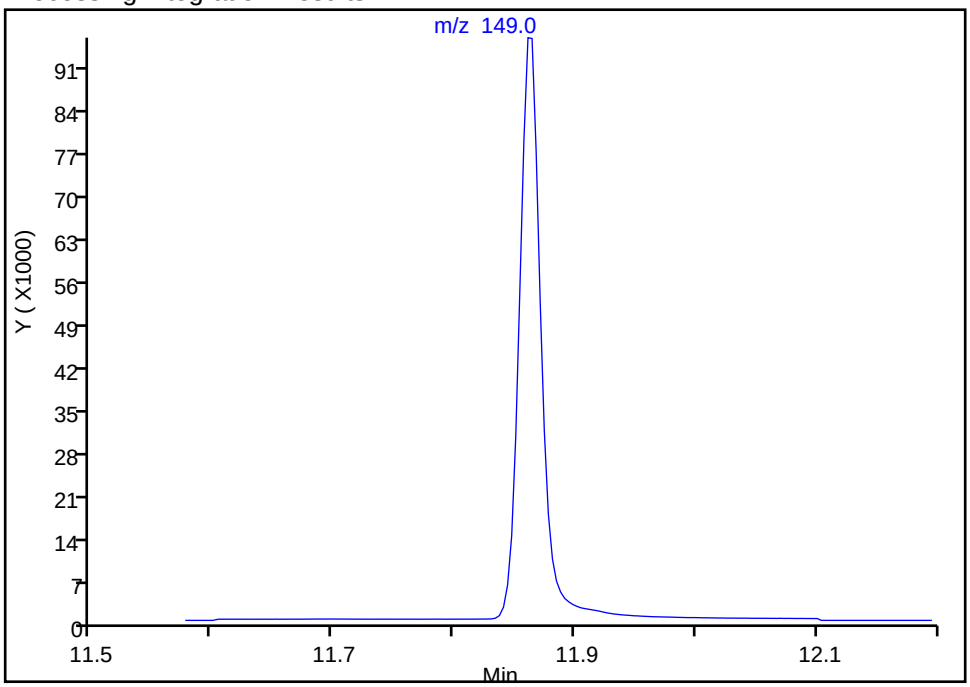
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\SIM031822a013.D				
Injection Date:	18-Mar-2022 15:37:30	Instrument ID:	TAC050		
Lims ID:	ccvc				
Client ID:					
Operator ID:	tl	ALS Bottle#:	3	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

30 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7

Signal: 1

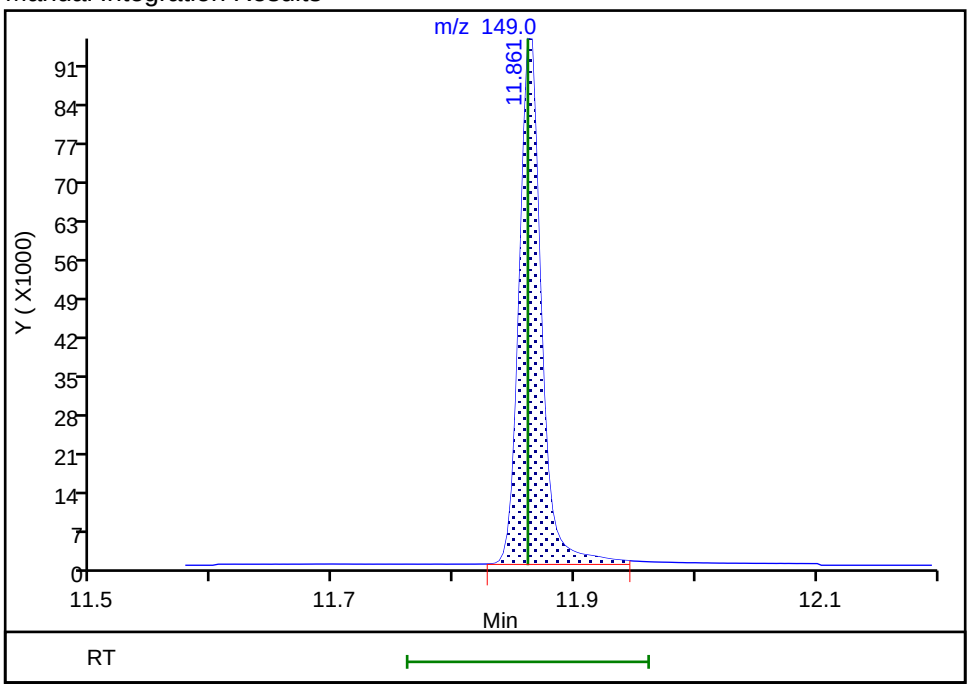
Not Detected
Expected RT: 11.86

Processing Integration Results



Manual Integration Results

RT: 11.86
Area: 121469
Amount: 452.9517
Amount Units: ug/L



Reviewer: limwirojt, 21-Mar-2022 09:04:48
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

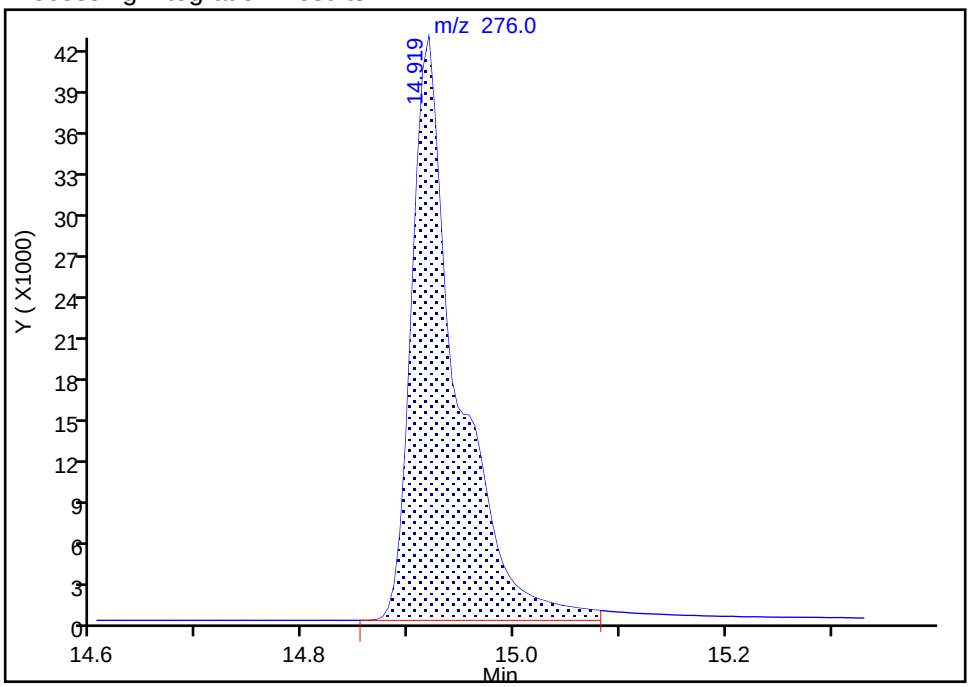
Data File: \\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\SIM031822a013.D
Injection Date: 18-Mar-2022 15:37:30 Instrument ID: TAC050
Lims ID: ccvc
Client ID:
Operator ID: tl ALS Bottle#: 3 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

27 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

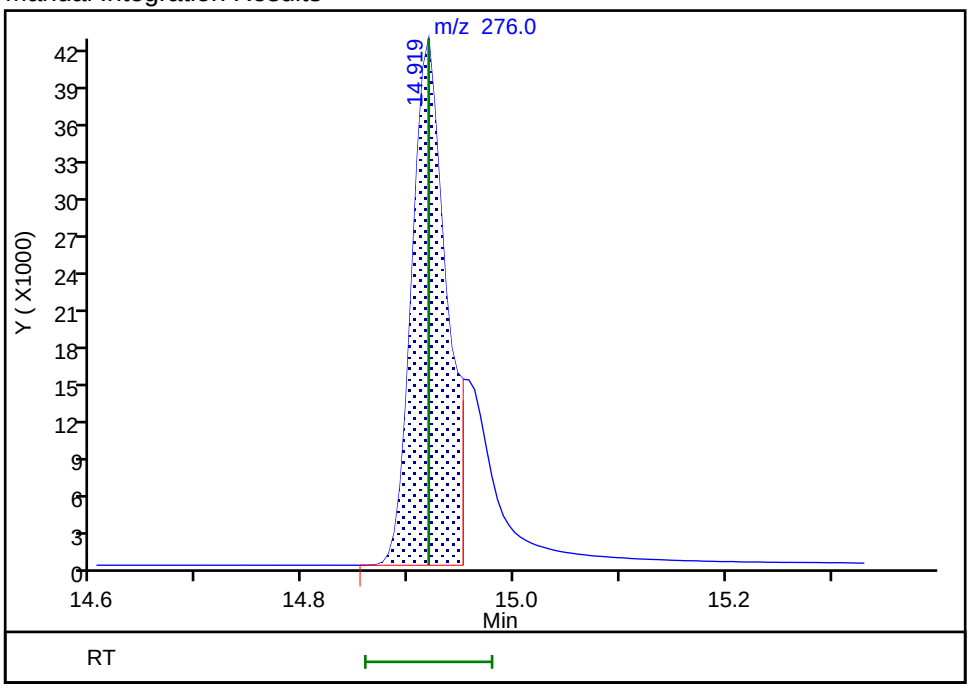
Processing Integration Results

RT: 14.92
Area: 127659
Amount: 705.2642
Amount Units: ug/L



Manual Integration Results

RT: 14.92
Area: 95389
Amount: 528.3592
Amount Units: ug/L



Reviewer: limwirojt, 21-Mar-2022 09:04:59
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

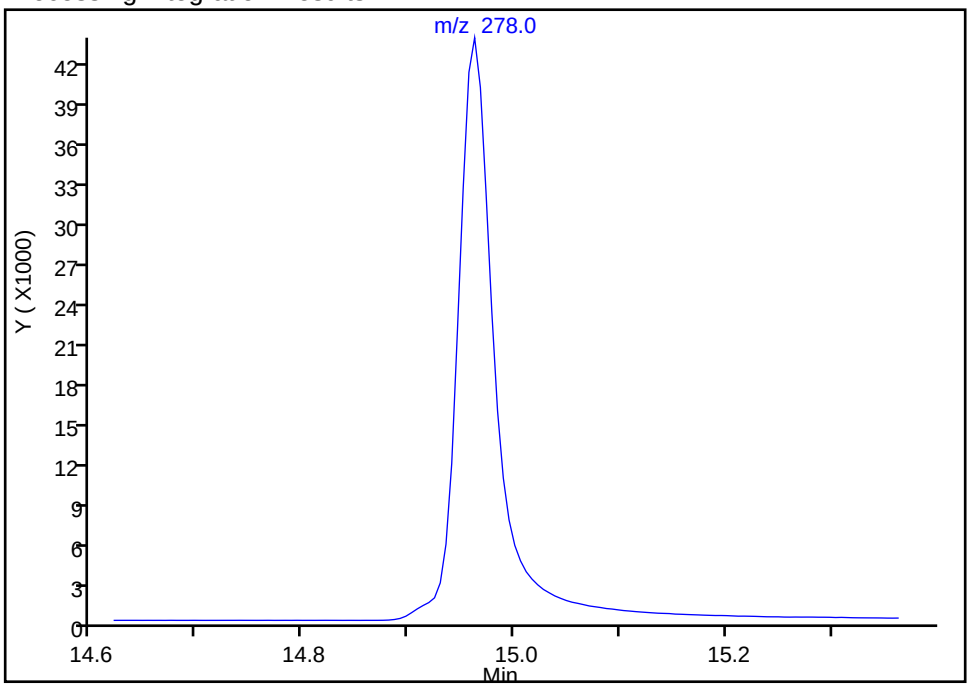
Data File: \\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\SIM031822a013.D
Injection Date: 18-Mar-2022 15:37:30 Instrument ID: TAC050
Lims ID: ccvc
Client ID:
Operator ID: tl ALS Bottle#: 3 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

28 Dibenz(a,h)anthracene, CAS: 53-70-3

Signal: 1

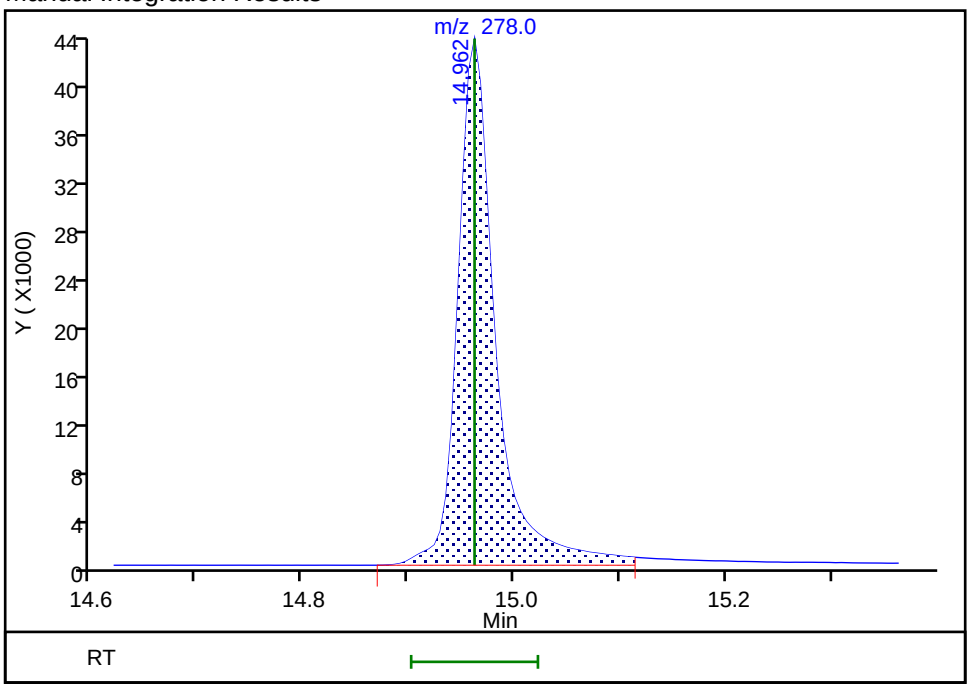
Not Detected
Expected RT: 14.96

Processing Integration Results



Manual Integration Results

RT: 14.96
Area: 108957
Amount: 525.8719
Amount Units: ug/L



Reviewer: limwirojt, 21-Mar-2022 09:05:04
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b012.D
Lims ID: dftpp
Client ID:
Sample Type: DFTPP
Inject. Date: 14-Jan-2022 00:35:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: DFTPP
Operator ID: jcm Instrument ID: TAC050

Method: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\TAC050_SIM_PAH.m
Limit Group: 8270D_SIM QSM 5.0
Last Update: 14-Jan-2022 15:43:29 Calib Date: 14-Jan-2022 05:04:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D

Column 1 : Det: MS SCAN
Process Host: CTX1628

First Level Reviewer: limmere Date: 14-Jan-2022 09:53:32

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
31 Pentachlorophenol_T	266	9.467	9.467	0.000	0	2106417	NR	NR	
32 DFTPP									
33 Benzidine_T	184	10.838	10.838	0.000	0	8428769	NR	NR	e
34 4,4'-DDE	246	10.999	10.999	0.000	0	2920		NR	
35 4,4'-DDD	235	11.299	11.299	0.000	0	85436		NR	a
36 4,4'-DDT	235	11.568	11.568	0.000	0	5483688	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard
e - Potential Peak Saturated
Review Flags
a - User Assigned ID

Reagents:

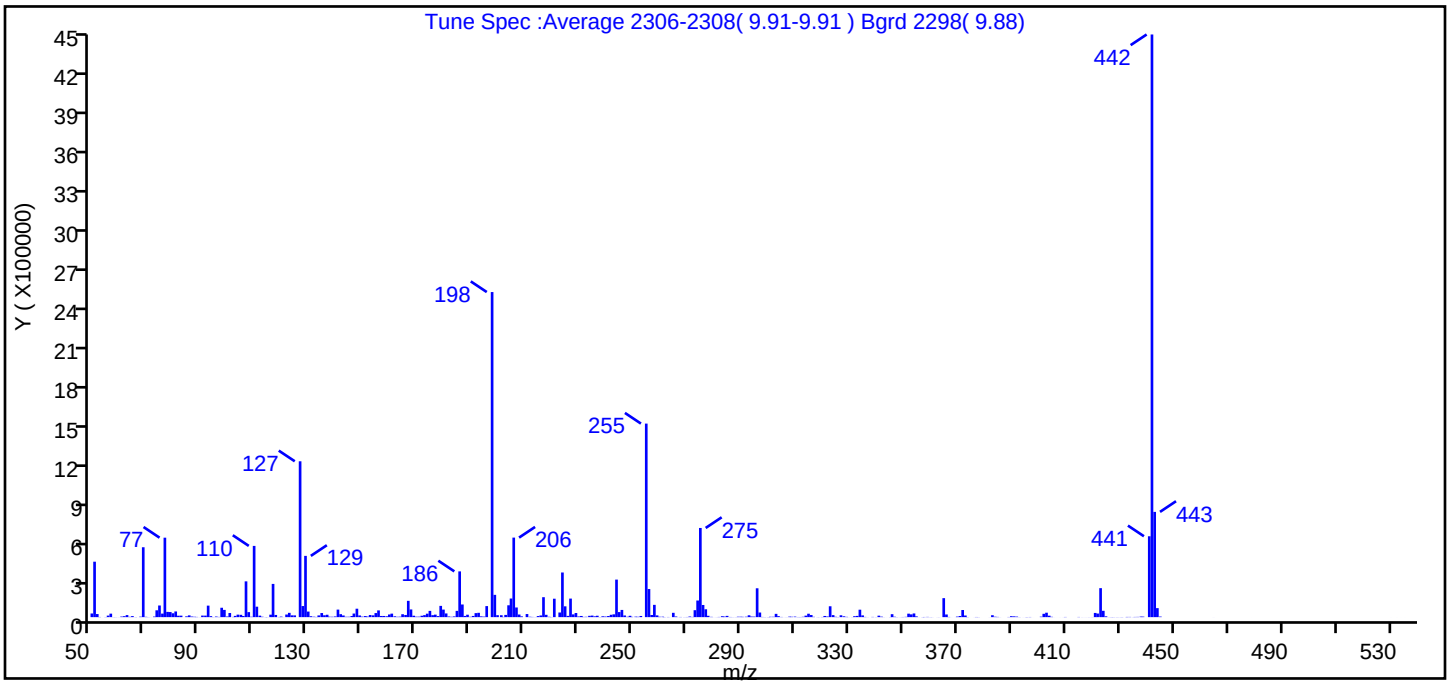
DFTPPx2_00044 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b012.D
Injection Date: 14-Jan-2022 00:35:30 Instrument ID: TAC050
Lims ID: dftpp
Client ID:
Operator ID: jcm ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Tune Method: DFTPP Method 525.2, BP 198

32 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >50% of 442	100.0 (55.8)
51	10-80% of the base peak	17.1
68	<2% of mass 69	0.1 (0.7)
69	Present	21.5
70	<2% of mass 69	0.1 (0.5)
127	10-80% of the base peak	47.9
197	<2% of mass 198	0.0
199	5-9% of mass 198	6.9
275	10-60% of the base peak	27.4
365	>1% of the base peak	5.8
441	Present and < mass 443	24.9 (76.8)
442	base peak, or >50% of 198	179.2
443	15-24% of mass 442	32.4 (18.1)

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b012.D\TAC050_SIM_PAH.rslt\spec
Injection Date: 14-Jan-2022 00:35:30
Spectrum: Tune Spec :Average 2306-2308(9.91-9.91) Bgrd 2298(9.88)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 383

m/z	Y	m/z	Y	m/z	Y	m/z	Y
50.00	28016	148.00	64592	247.00	12808	345.00	818
51.00	424768	149.00	13032	248.00	3046	346.00	22680
52.00	23664	150.00	4059	249.00	10351	347.00	3321
53.00	1368	151.00	8260	250.00	2167	348.00	876
55.00	910	152.00	4447	251.00	3749	349.00	492
56.00	11806	153.00	16248	252.00	2709	350.00	1294
57.00	26760	154.00	13690	253.00	8949	351.00	2304
58.00	780	155.00	31256	255.00	1482752	352.00	26584
59.00	693	156.00	51632	256.00	215360	353.00	21256
60.00	434	157.00	8988	257.00	16480	354.00	28264
61.00	4565	158.00	8997	258.00	94168	355.00	5701
62.00	7277	159.00	6809	259.00	13538	356.00	270
63.00	15716	160.00	20296	260.00	3100	357.00	833
64.00	2512	161.00	26888	261.00	3477	358.00	1309
65.00	8021	162.00	6478	262.00	1005	359.00	1821
66.00	836	163.00	2887	263.00	1378	360.00	715
67.00	57	164.00	3616	264.00	126	361.00	437
68.00	3729	165.00	22344	265.00	33176	363.00	293
69.00	535488	166.00	16696	266.00	4862	363.00	486
70.00	2476	167.00	124952	267.00	355	365.00	145472
71.00	812	168.00	58888	268.00	1404	366.00	20392
72.00	226	169.00	10821	269.00	716	367.00	1547
73.00	4311	170.00	3753	270.00	1322	368.00	195
74.00	52416	171.00	3693	271.00	4696	370.00	261
75.00	89248	172.00	10674	272.00	1731	370.00	4063
76.00	27176	173.00	15522	273.00	53256	371.00	8551
77.00	608704	174.00	26472	274.00	127448	372.00	54640
78.00	40288	175.00	47960	275.00	683200	373.00	12515
79.00	38952	176.00	15028	276.00	93152	374.00	967
80.00	29712	177.00	19160	277.00	60336	375.00	51
81.00	43536	178.00	8029	278.00	10391	376.00	274
82.00	10987	179.00	86264	279.00	2178	377.00	1290
83.00	11341	180.00	57880	280.00	288	378.00	705

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b012.D\TAC050_SIM_PAH.rslt\spec
Injection Date: 14-Jan-2022 00:35:30
Spectrum: Tune Spec :Average 2306-2308(9.91-9.91) Bgrd 2298(9.88)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 383

m/z	Y	m/z	Y	m/z	Y	m/z	Y
84.00	119	181.00	28336	281.00	523	379.00	43
85.00	6057	182.00	5128	282.00	1597	382.00	350
86.00	13572	183.00	2858	283.00	7036	383.00	14753
87.00	4614	184.00	5555	284.00	4392	384.00	3196
88.00	2800	185.00	48056	285.00	9698	385.00	1780
89.00	1671	186.00	350528	286.00	1437	386.00	365
90.00	459	187.00	96984	287.00	687	389.00	1347
91.00	11999	188.00	9239	288.00	679	390.00	7322
92.00	11741	189.00	18528	289.00	3184	391.00	5982
93.00	88216	190.00	2753	290.00	3225	392.00	4145
94.00	7659	191.00	9162	291.00	2184	393.00	747
95.00	910	192.00	30824	292.00	3239	394.00	222
96.00	4643	193.00	33168	293.00	14267	396.00	927
97.00	1818	194.00	6029	294.00	4676	396.00	386
98.00	72000	195.00	4141	295.00	4100	397.00	1296
99.00	55504	196.00	84664	296.00	221120	398.00	77
100.00	4989	198.00	2490368	297.00	35376	401.00	3532
101.00	31768	199.00	170816	298.00	1510	402.00	25552
102.00	1699	200.00	15056	299.00	902	403.00	34016
103.00	9685	201.00	14672	300.00	1088	404.00	11092
104.00	19136	202.00	1682	301.00	2904	405.00	2519
105.00	17768	203.00	17072	302.00	3005	406.00	224
106.00	8405	204.00	90856	303.00	25208	407.00	87
107.00	274176	205.00	142656	304.00	7757	408.00	162
108.00	38352	206.00	609344	305.00	1569	409.00	320
109.00	3086	207.00	74016	306.00	275	410.00	1428
110.00	545728	208.00	20088	307.00	533	415.00	1456
111.00	80112	209.00	5984	308.00	4075	416.00	377
112.00	11404	211.00	23808	309.00	2959	417.00	259
113.00	3233	212.00	2964	310.00	4154	418.00	186
114.00	955	213.00	1614	311.00	1245	419.00	540
115.00	672	214.00	748	312.00	1237	420.00	631
116.00	18896	215.00	8242	313.00	2744	421.00	32232
117.00	254592	216.00	12818	314.00	11476	422.00	27504

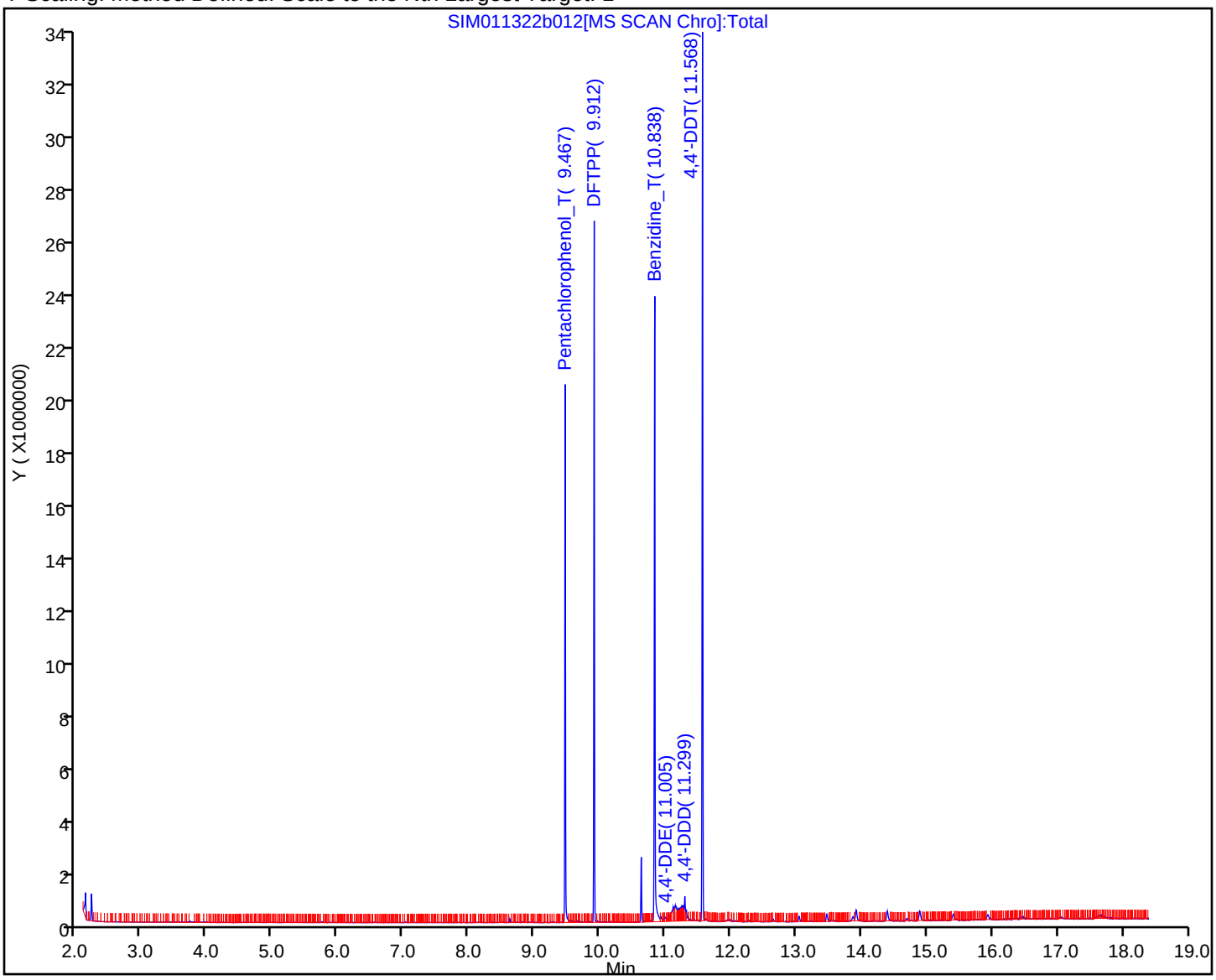
Report Date: 14-Jan-2022 15:43:30 Chrom Revision: 2.3 03-Jan-2022 17:03:12
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b012.D\TAC050_SIM_PAH.rslt\spec
Injection Date: 14-Jan-2022 00:35:30
Spectrum: Tune Spec :Average 2306-2308(9.91-9.91) Bgrd 2298(9.88)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 383

m/z	Y	m/z	Y	m/z	Y	m/z	Y
118.00	16792	217.00	152832	315.00	26232	423.00	222080
119.00	1360	218.00	17872	316.00	16202	424.00	48520
120.00	4089	219.00	2624	317.00	2406	425.00	6179
121.00	458	220.00	1144	318.00	488	426.00	576
122.00	20056	221.00	141184	319.00	603	427.00	961
123.00	32960	223.00	35560	320.00	1378	428.00	772
124.00	13806	224.00	342080	321.00	9064	429.00	810
125.00	13381	225.00	82864	322.00	4998	430.00	485
127.00	1193984	226.00	9699	323.00	83336	431.00	1011
128.00	85008	227.00	142144	324.00	15496	433.00	520
129.00	469312	228.00	21168	325.00	2791	433.00	1672
130.00	42680	229.00	31728	326.00	1173	434.00	1682
131.00	6990	230.00	5176	327.00	14334	435.00	497
132.00	3376	231.00	9010	328.00	6358	436.00	1644
133.00	1480	232.00	1891	329.00	2231	437.00	1964
134.00	13199	233.00	2700	330.00	422	438.00	4272
135.00	31456	234.00	10123	331.00	584	439.00	3895
136.00	14336	235.00	11856	332.00	7236	441.00	619648
137.00	18336	236.00	6186	333.00	9503	442.00	4463616
138.00	3811	237.00	10719	334.00	57088	443.00	806336
139.00	3100	238.00	1081	335.00	13338	444.00	69072
140.00	5323	239.00	6521	336.00	1735	445.00	4355
141.00	57752	240.00	4658	337.00	485	465.00	170
142.00	22728	241.00	8515	339.00	1674	479.00	56
143.00	12772	242.00	18000	340.00	691	530.00	89
144.00	2916	243.00	21464	341.00	11275	533.00	63
145.00	2986	244.00	287680	342.00	3821	534.00	52
146.00	8757	245.00	38776	343.00	539	536.00	55
147.00	27544	246.00	55264	344.00	161		

Report Date: 14-Jan-2022 15:43:30 Chrom Revision: 2.3 03-Jan-2022 17:03:12

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b012.D
Injection Date: 14-Jan-2022 00:35:30 Instrument ID: TAC050
Lims ID: dftpp
Client ID:
Operator ID: jcm ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Breakdown Report

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b012.D
Injection Date: 14-Jan-2022 00:35:30 Instrument ID: TAC050
Lims ID: dftpp
Client ID:
Operator ID: jcm ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0

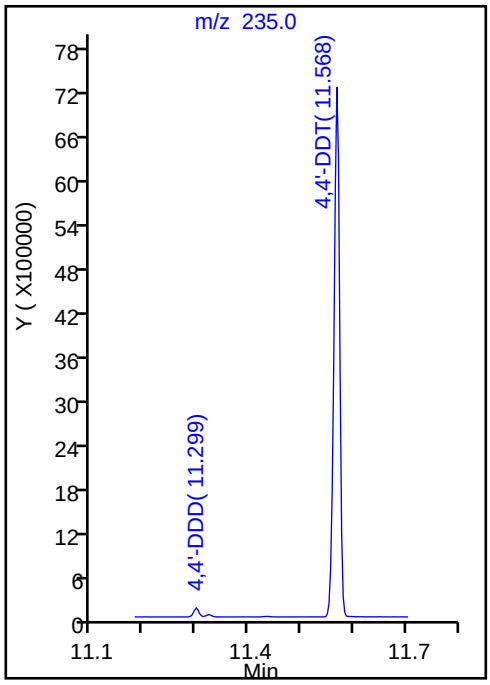
36 4,4'-DDT, Detector: MS SCAN

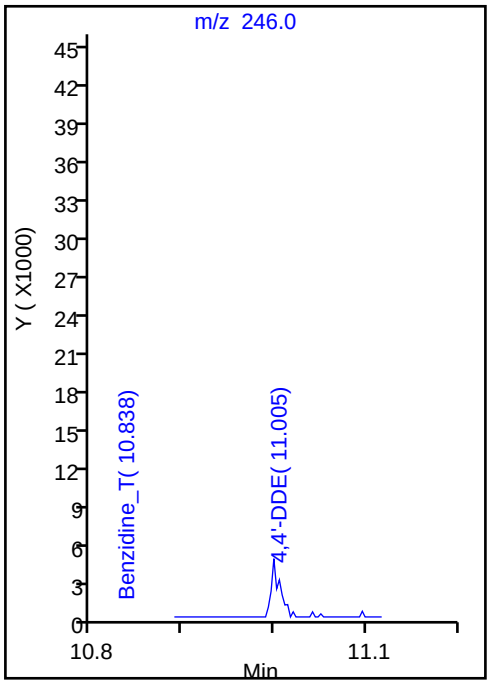
SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

36 4,4'-DDT, Area = 5483688
35 4,4'-DDD, Area = 85436
34 4,4'-DDE, Area = 2920

%Breakdown: 1.59%, <= 20.00%
Passed





Peak Tailing Report

Eurofins Seattle

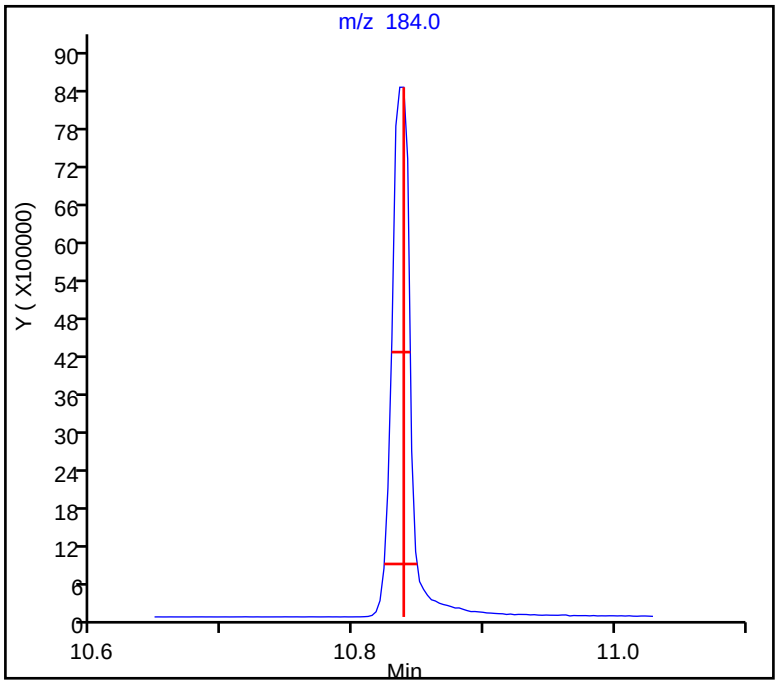
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b012.D
Injection Date: 14-Jan-2022 00:35:30 Instrument ID: TAC050
Lims ID: dftpp
Client ID:
Operator ID: jcm ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0

33 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.010 (min.)
Front Width = 0.015 (min.)

Tailing Factor = 0.67, Max. Tailing <= 2.00
Passed



Peak Tailing Report

Eurofins Seattle

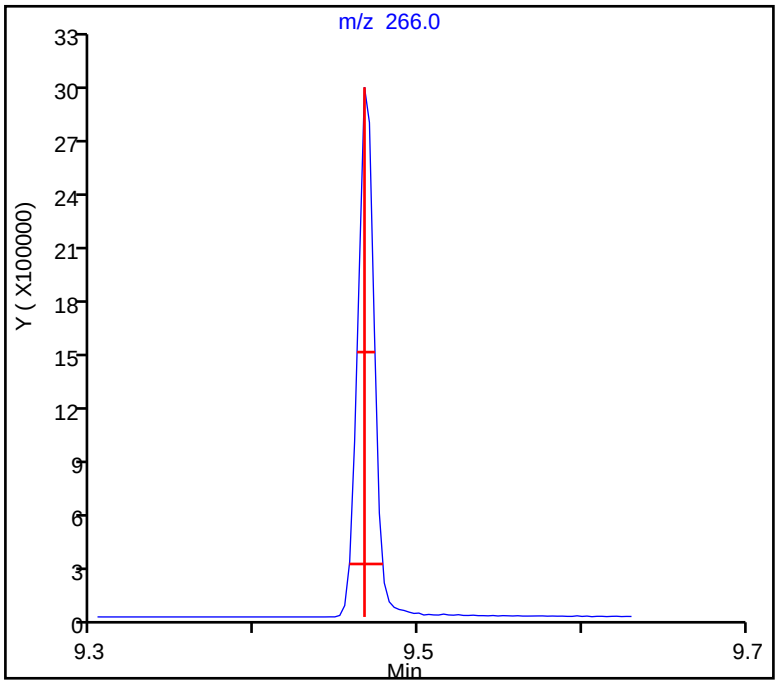
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b012.D
Injection Date: 14-Jan-2022 00:35:30 Instrument ID: TAC050
Lims ID: dftpp
Client ID:
Operator ID: jcm ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0

31 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.011 (min.)
Front Width = 0.009 (min.)

Tailing Factor = 1.22, Max. Tailing <= 2.00
Passed



Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\SIM031822a003.D
Lims ID: dftpp
Client ID:
Sample Type: DFTPP
Inject. Date: 18-Mar-2022 10:54:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: DFTPP
Operator ID: tl Instrument ID: TAC050

Method: \\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\TAC050_SIM_PAH.m
Limit Group: 8270D_SIM QSM 5.0
Last Update: 21-Mar-2022 08:26:27 Calib Date: 14-Jan-2022 05:04:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D

Column 1 : Det: MS SCAN
Process Host: CTX1643

First Level Reviewer: limwirojt Date: 21-Mar-2022 08:26:27

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
31 Pentachlorophenol_T	266	9.458	9.458	0.000	0	1241957	NR	NR	
32 DFTPP									
33 Benzidine_T	184	10.823	10.823	0.000	0	2712328	NR	NR	
34 4,4'-DDE	246	10.984	10.984	0.000	0	1722		NR	
35 4,4'-DDD	235	11.284	11.284	0.000	0	7390		NR	
36 4,4'-DDT	235	11.550	11.550	0.000	0	3596320	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

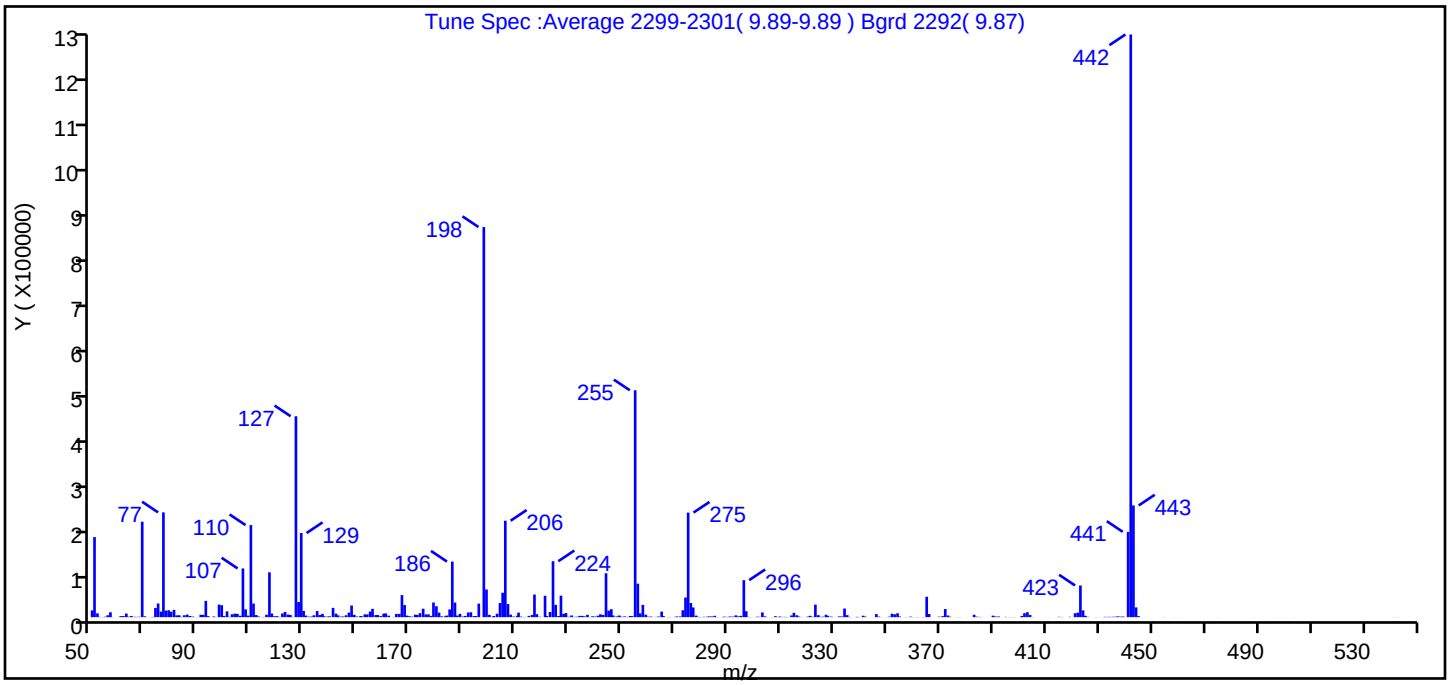
DFTPPx2_00044 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\SIM031822a003.D
Injection Date: 18-Mar-2022 10:54:30 Instrument ID: TAC050
Lims ID: dftpp
Client ID:
Operator ID: tl ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Tune Method: DFTPP Method 525.2, BP 198

32 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >50% of 442	100.0 (67.0)
51	10-80% of the base peak	20.5
68	<2% of mass 69	0.1 (0.4)
69	Present	24.5
70	<2% of mass 69	0.2 (0.9)
127	10-80% of the base peak	51.5
197	<2% of mass 198	0.0
199	5-9% of mass 198	7.1
275	10-60% of the base peak	26.8
365	>1% of the base peak	5.2
441	Present and < mass 443	21.9 (76.4)
442	base peak, or >50% of 198	149.4
443	15-24% of mass 442	28.6 (19.2)

Data File: \\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\SIM031822a003.D\TAC050_SIM_PAH.rslt\spec
Injection Date: 18-Mar-2022 10:54:30
Spectrum: Tune Spec :Average 2299-2301(9.89-9.89) Bgrd 2292(9.87)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 366

m/z	Y	m/z	Y	m/z	Y	m/z	Y
50.00	14712	145.00	1359	240.00	1276	339.00	665
51.00	174784	146.00	4048	241.00	3185	340.00	102
52.00	8327	147.00	9908	242.00	6266	341.00	3149
53.00	625	148.00	25416	243.00	4683	342.00	1221
54.00	376	149.00	5029	244.00	95736	345.00	65
55.00	830	150.00	1418	245.00	14203	345.00	46
56.00	4104	151.00	2550	246.00	17328	346.00	6696
57.00	10671	152.00	1561	247.00	3610	347.00	1221
58.00	357	153.00	5998	248.00	1556	348.00	84
61.00	2276	154.00	5882	249.00	3553	350.00	226
62.00	2412	155.00	12139	250.00	992	351.00	1057
63.00	7874	156.00	18120	251.00	1611	352.00	7471
64.00	1123	157.00	4502	252.00	546	353.00	6295
65.00	2629	158.00	4504	253.00	2600	354.00	8400
66.00	634	159.00	2305	254.00	2170	355.00	1453
67.00	570	160.00	7637	255.00	495168	356.00	82
68.00	831	161.00	8169	256.00	73000	357.00	268
69.00	208384	162.00	3173	257.00	8277	358.00	111
70.00	1896	164.00	475	258.00	26776	359.00	1123
71.00	181	165.00	7098	259.00	5364	360.00	311
73.00	331	166.00	7009	260.00	1054	362.00	410
73.00	507	167.00	48136	261.00	1279	363.00	225
74.00	19936	168.00	26400	263.00	457	364.00	244
75.00	29776	169.00	3380	264.00	1362	365.00	44520
76.00	12068	170.00	2018	265.00	12131	366.00	6844
77.00	228672	171.00	1150	266.00	2325	370.00	1001
78.00	14204	172.00	5370	268.00	369	371.00	2133
79.00	15117	173.00	4840	268.00	142	372.00	17696
80.00	11705	174.00	8643	270.00	582	373.00	3638
81.00	15946	175.00	18400	271.00	1575	374.00	960
82.00	3883	176.00	5892	272.00	1471	375.00	92
83.00	4188	177.00	6079	273.00	15067	377.00	291
84.00	808	178.00	2696	274.00	42872	378.00	139

Report Date: 21-Mar-2022 08:26:28 Chrom Revision: 2.3 16-Feb-2022 17:52:00
Data File: \\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\SIM031822a003.D\TAC050_SIM_PAH.rslt\spec
Injection Date: 18-Mar-2022 10:54:30
Spectrum: Tune Spec :Average 2299-2301(9.89-9.89) Bgrd 2292(9.87)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 366

m/z	Y	m/z	Y	m/z	Y	m/z	Y
85.00	4186	179.00	31920	275.00	228224	383.00	5238
86.00	5561	180.00	23752	276.00	30856	384.00	1028
87.00	2458	181.00	9864	277.00	21208	385.00	561
88.00	1280	182.00	1791	278.00	3335	386.00	61
89.00	228	183.00	1885	279.00	701	390.00	3186
90.00	261	184.00	3468	280.00	346	391.00	1521
91.00	5133	185.00	16856	281.00	757	392.00	1524
92.00	4956	186.00	121264	282.00	1000	395.00	559
93.00	35552	187.00	31808	283.00	1613	396.00	185
94.00	2176	188.00	3488	284.00	1538	397.00	269
96.00	1524	189.00	7203	285.00	2877	398.00	381
97.00	144	190.00	1287	286.00	339	401.00	272
98.00	27384	191.00	2698	288.00	421	401.00	2666
99.00	26080	192.00	10119	289.00	1116	402.00	8636
100.00	2553	193.00	10664	290.00	581	403.00	10818
101.00	12651	194.00	2198	291.00	1428	404.00	4832
102.00	745	195.00	2419	292.00	1236	405.00	359
103.00	6255	196.00	29496	293.00	3995	411.00	199
104.00	7572	198.00	851520	294.00	1650	415.00	729
105.00	7156	199.00	60352	295.00	2863	416.00	430
106.00	3025	200.00	5085	296.00	80752	419.00	698
107.00	106328	201.00	1364	297.00	12907	420.00	147
108.00	16960	202.00	2511	298.00	593	421.00	8541
109.00	3277	203.00	7465	299.00	265	422.00	9759
110.00	200960	204.00	30824	301.00	922	423.00	69120
111.00	29672	205.00	53224	302.00	742	424.00	14646
112.00	4556	206.00	210496	303.00	10284	425.00	2849
113.00	1528	207.00	28608	304.00	1701	426.00	664
114.00	248	208.00	5539	305.00	160	429.00	194
115.00	520	209.00	1288	307.00	232	430.00	104
116.00	5269	210.00	2945	308.00	2170	432.00	224
117.00	97872	211.00	9842	309.00	516	432.00	722
118.00	7919	212.00	1218	310.00	1361	434.00	590
119.00	2098	213.00	472	311.00	549	434.00	551

Report Date: 21-Mar-2022 08:26:28 Chrom Revision: 2.3 16-Feb-2022 17:52:00
Data File: \\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\SIM031822a003.D\TAC050_SIM_PAH.rslt\spec
Injection Date: 18-Mar-2022 10:54:30
Spectrum: Tune Spec :Average 2299-2301(9.89-9.89) Bgrd 2292(9.87)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 366

m/z	Y	m/z	Y	m/z	Y	m/z	Y
120.00	2197	214.00	51	312.00	532	435.00	852
121.00	546	215.00	2737	313.00	286	436.00	1071
122.00	7983	216.00	4597	314.00	3668	437.00	1712
123.00	11264	217.00	49344	315.00	9472	438.00	1022
124.00	5587	218.00	6447	316.00	4071	439.00	1316
125.00	4791	219.00	825	317.00	1330	441.00	186176
126.00	562	221.00	46608	318.00	298	442.00	1271808
127.00	438528	222.00	2427	319.00	75	443.00	243840
128.00	33096	223.00	11191	320.00	1027	444.00	21256
129.00	183616	224.00	122128	321.00	2901	445.00	2305
130.00	13427	225.00	26736	322.00	823	446.00	109
131.00	3350	226.00	2547	323.00	27272	455.00	220
132.00	1132	227.00	46912	324.00	4264	458.00	130
133.00	1240	228.00	7151	325.00	669	460.00	62
134.00	4100	229.00	8822	326.00	1071	475.00	119
135.00	13306	230.00	850	327.00	5251	489.00	126
136.00	4790	231.00	3663	328.00	2882	496.00	124
137.00	7157	232.00	645	329.00	1144	501.00	75
138.00	1860	233.00	957	330.00	204	504.00	127
139.00	1169	234.00	2700	332.00	1618	529.00	53
140.00	1799	235.00	2793	333.00	1411	538.00	62
141.00	20232	236.00	1716	334.00	18824	541.00	221
142.00	7757	237.00	4988	335.00	4364	543.00	231
143.00	3889	238.00	258	336.00	564		
144.00	1175	239.00	1939	339.00	327		

Report Date: 21-Mar-2022 08:26:28 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\SIM031822a003.D

Injection Date: 18-Mar-2022 10:54:30 Instrument ID: TAC050

Lims ID: dftpp

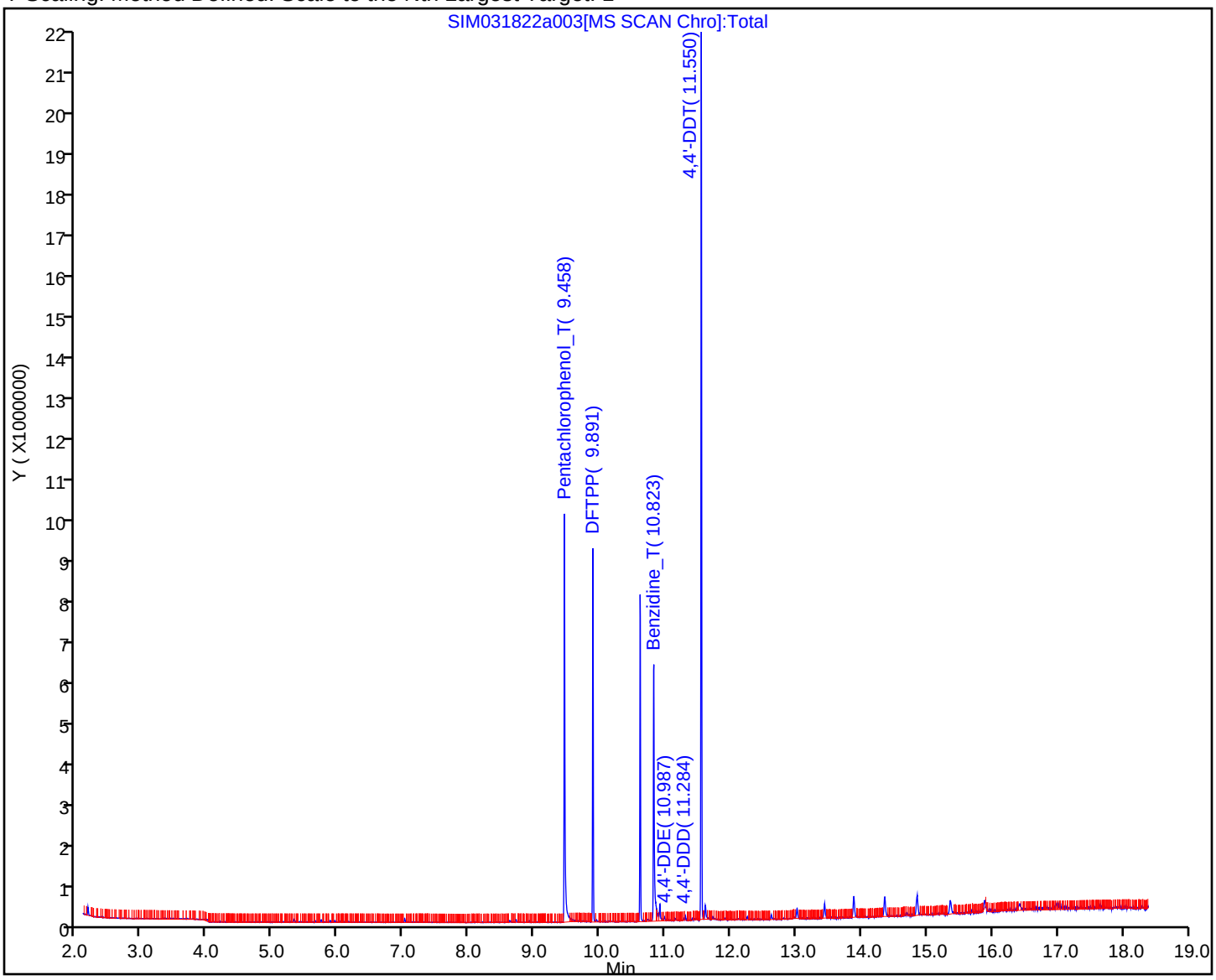
Client ID:

Operator ID: tl ALS Bottle#: 2 Worklist Smp#: 2

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Breakdown Report

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\SIM031822a003.D
Injection Date: 18-Mar-2022 10:54:30 Instrument ID: TAC050
Lims ID: dftpp
Client ID:
Operator ID: tl ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0

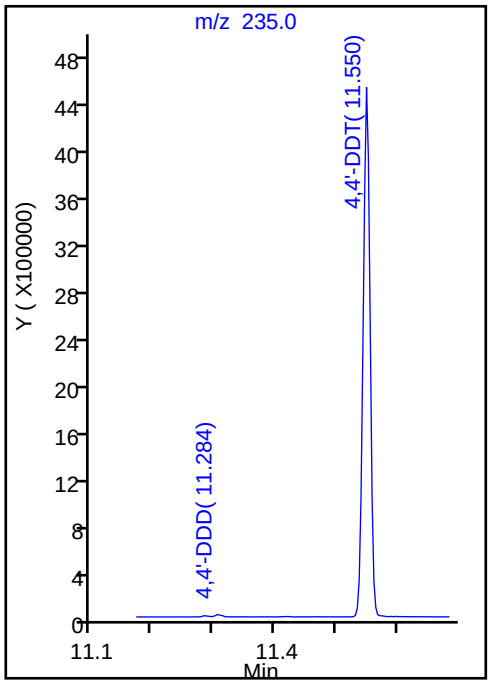
36 4,4'-DDT, Detector: MS SCAN

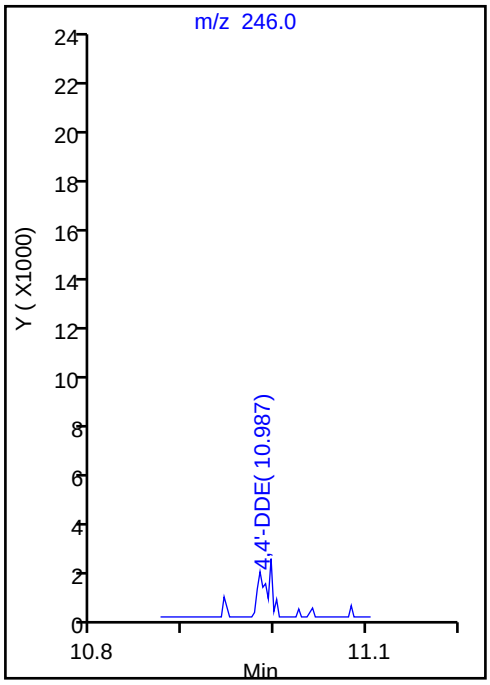
SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

36 4,4'-DDT, Area = 3596320
35 4,4'-DDD, Area = 7390
34 4,4'-DDE, Area = 1722

%Breakdown: 0.25%, <= 20.00%
Passed





Peak Tailing Report

Eurofins Seattle

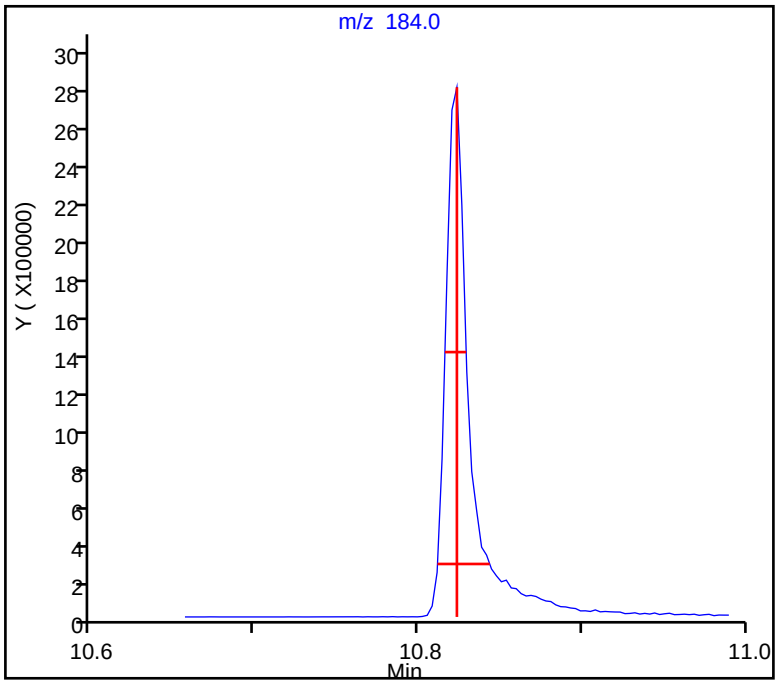
Data File: \\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\SIM031822a003.D
Injection Date: 18-Mar-2022 10:54:30 Instrument ID: TAC050
Lims ID: dftpp
Client ID:
Operator ID: tl ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0

33 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.020 (min.)
Front Width = 0.012 (min.)

Tailing Factor = 1.67, Max. Tailing <= 2.00
Passed



Peak Tailing Report

Eurofins Seattle

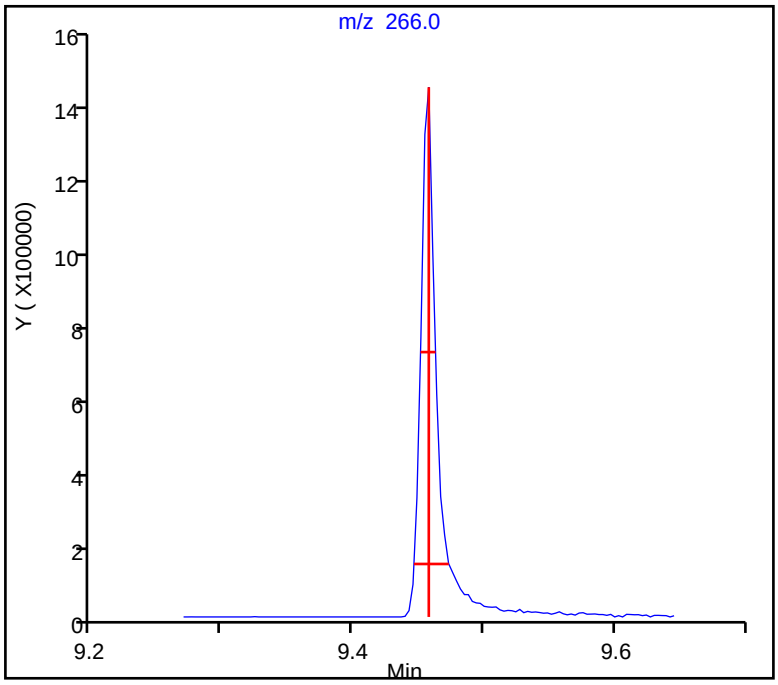
Data File: \\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\SIM031822a003.D
Injection Date: 18-Mar-2022 10:54:30 Instrument ID: TAC050
Lims ID: dftpp
Client ID:
Operator ID: tl ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0

31 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.015 (min.)
Front Width = 0.011 (min.)

Tailing Factor = 1.36, Max. Tailing <= 2.00
Passed



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle | Job No.: 580-111294-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 580-384177/1-A

Matrix: Water | Lab File ID: SIM031822a005.D

Analysis Method: 8270E SIM | Date Collected:

Extract. Method: 3510C | Date Extracted: 03/17/2022 11:35

Sample wt/vol: 1000(mL) | Date Analyzed: 03/18/2022 13:02

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 384301 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
90-12-0	1-Methylnaphthalene	0.032	U M	0.10	0.032	0.019
91-57-6	2-Methylnaphthalene	0.080	U M	0.20	0.080	0.039
83-32-9	Acenaphthene	0.032	U M	0.10	0.032	0.014
208-96-8	Acenaphthylene	0.032	U	0.050	0.032	0.0090
120-12-7	Anthracene	0.080	U M	0.10	0.080	0.022
56-55-3	Benzo[a]anthracene	0.032	U	0.050	0.032	0.014
50-32-8	Benzo[a]pyrene	0.032	U	0.10	0.032	0.011
205-99-2	Benzo[b]fluoranthene	0.032	U	0.050	0.032	0.011
191-24-2	Benzo[g,h,i]perylene	0.032	U	0.050	0.032	0.012
207-08-9	Benzo[k]fluoranthene	0.032	U	0.050	0.032	0.012
218-01-9	Chrysene	0.032	U	0.10	0.032	0.016
53-70-3	Dibenz(a,h)anthracene	0.032	U	0.10	0.032	0.026
206-44-0	Fluoranthene	0.032	U	0.20	0.032	0.018
86-73-7	Fluorene	0.032	U	0.10	0.032	0.017
193-39-5	Indeno[1,2,3-cd]pyrene	0.032	U	0.050	0.032	0.014
91-20-3	Naphthalene	0.080	U M	0.10	0.080	0.031
85-01-8	Phenanthrene	0.080	U M	0.10	0.080	0.031
129-00-0	Pyrene	0.080	U	0.10	0.080	0.033

CAS NO.	SURROGATE	%REC	Q	LIMITS
7297-45-2	2-methylnaphthalene-d10	61		40-140
93951-69-0	Fluoranthene-d10 (Surr)	76		40-140
1718-51-0	Terphenyl-d14	93		58-132

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\SIM031822a005.D
Lims ID: MB 580-384177/1-A
Client ID:
Sample Type: MB
Inject. Date: 18-Mar-2022 13:02:30 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: MB 580-384177/1-A
Operator ID: tl Instrument ID: TAC050

Method: \\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\TAC050_SIM_PAH.m
Limit Group: 8270D_SIM QSM 5.0
Last Update: 21-Mar-2022 08:36:01 Calib Date: 14-Jan-2022 05:04:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D

Column 1 : Det: MS SCAN
Process Host: CTX1643

First Level Reviewer: limwirojt Date: 21-Mar-2022 08:36:01

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 Naphthalene-d8	136	5.148	5.148	0.000	90	22401	100.0	100.0	
* 2 Acenaphthene-d10	164	6.836	6.836	0.000	70	9495	100.0	100.0	
* 3 Phenanthrene-d10	188	8.307	8.299	0.008	56	15504	100.0	100.0	
* 4 Chrysene-d12	240	11.021	11.007	0.014	48	13057	100.0	100.0	
* 5 Perylene-d12	264	13.070	13.061	0.009	69	14208	100.0	100.0	
$ 6 2-methylnaphthalene-d10	152	5.791	5.791	0.000	67	80253	1000.0	605.6	
$ 10 2-Fluorobiphenyl	172	6.173	6.170	0.003	0	96950	1000.0	638.1	Ma
$ 7 2,4,6-Tribromophenol	330	7.619	7.614	0.005	58	17069	1000.0	662.3	
$ 8 Fluoranthene-d10 (Surr)	212	9.491	9.486	0.005	69	122075	1000.0	761.9	
$ 9 Terphenyl-d14	244	9.884	9.880	0.004	95	115489	1000.0	929.4	
11 Naphthalene	128	5.171	5.171	0.000	88	279		1.18	M
12 2-Methylnaphthalene	141	5.823	5.823	0.000	76	116		0.8633	M
13 1-Methylnaphthalene	141	5.919	5.914	0.005	90	75		0.5763	M
18 Phenanthrene	178	8.330	8.322	0.008	98	226		0.0214	M

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

8270SIM_IS_00069 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 21-Mar-2022 08:36:01 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\SIM031822a005.D

Injection Date: 18-Mar-2022 13:02:30 Instrument ID: TAC050

Lims ID: MB 580-384177/1-A

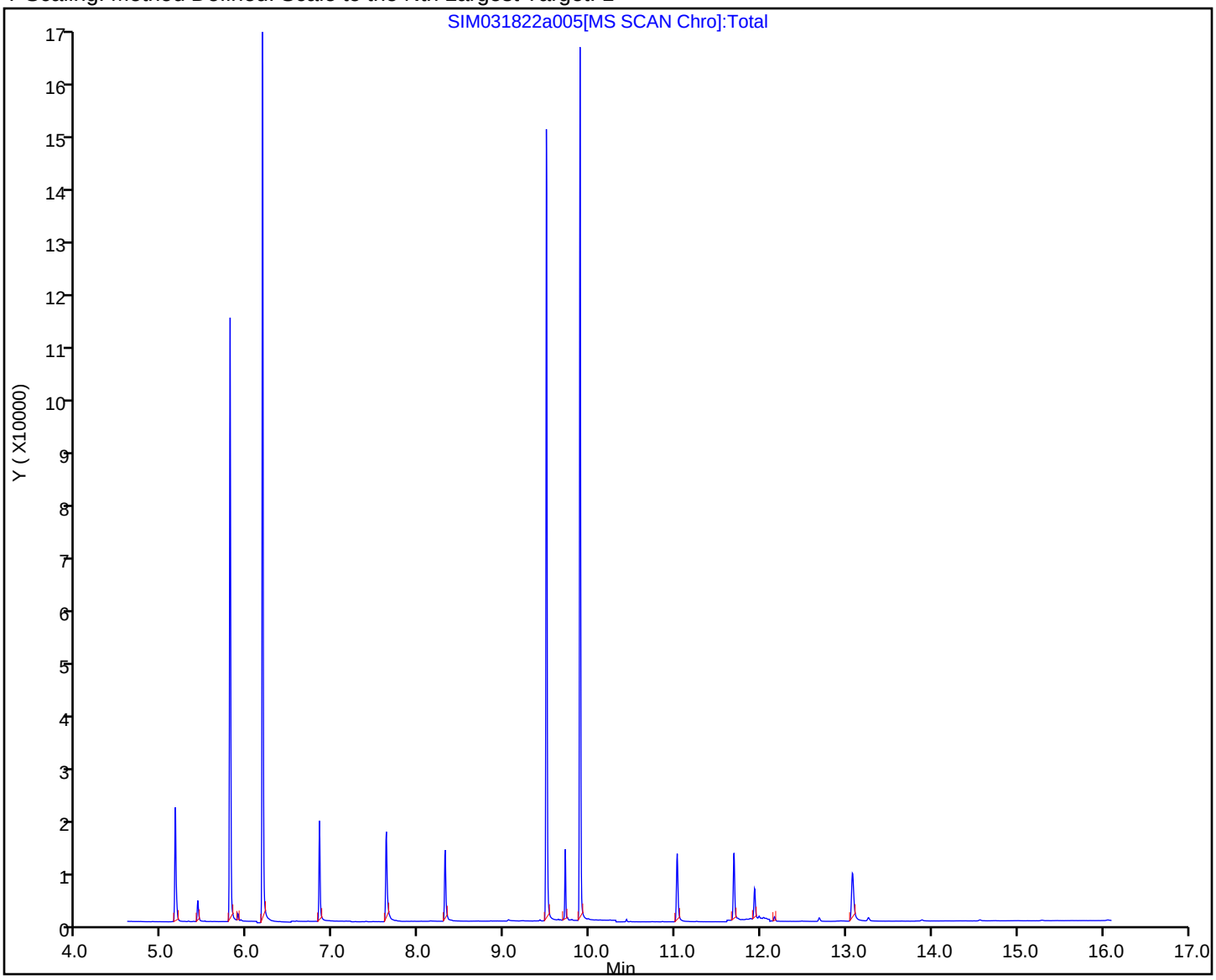
Client ID:

Operator ID: tl ALS Bottle#: 4 Worklist Smp#: 4

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle
Recovery Report

Data File: \\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\SIM031822a005.D
Lims ID: MB 580-384177/1-A
Client ID:
Sample Type: MB
Inject. Date: 18-Mar-2022 13:02:30 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: MB 580-384177/1-A
Operator ID: tl Instrument ID: TAC050

Method: \\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\TAC050_SIM_PAH.m
Limit Group: 8270D_SIM QSM 5.0
Last Update: 21-Mar-2022 08:36:01 Calib Date: 14-Jan-2022 05:04:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D

Column 1 : Det: MS SCAN
Process Host: CTX1643

First Level Reviewer: limwirojt Date: 21-Mar-2022 08:36:01

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 2-methylnaphthalene-d10	1000.0	605.6	60.56
$ 10 2-Fluorobiphenyl	1000.0	638.1	63.81
$ 7 2,4,6-Tribromophenol	1000.0	662.3	66.23
$ 8 Fluoranthene-d10 (Surr)	1000.0	761.9	76.19
$ 9 Terphenyl-d14	1000.0	929.4	92.94

Manual Integration/User Assign Peak Report

Eurofins Seattle

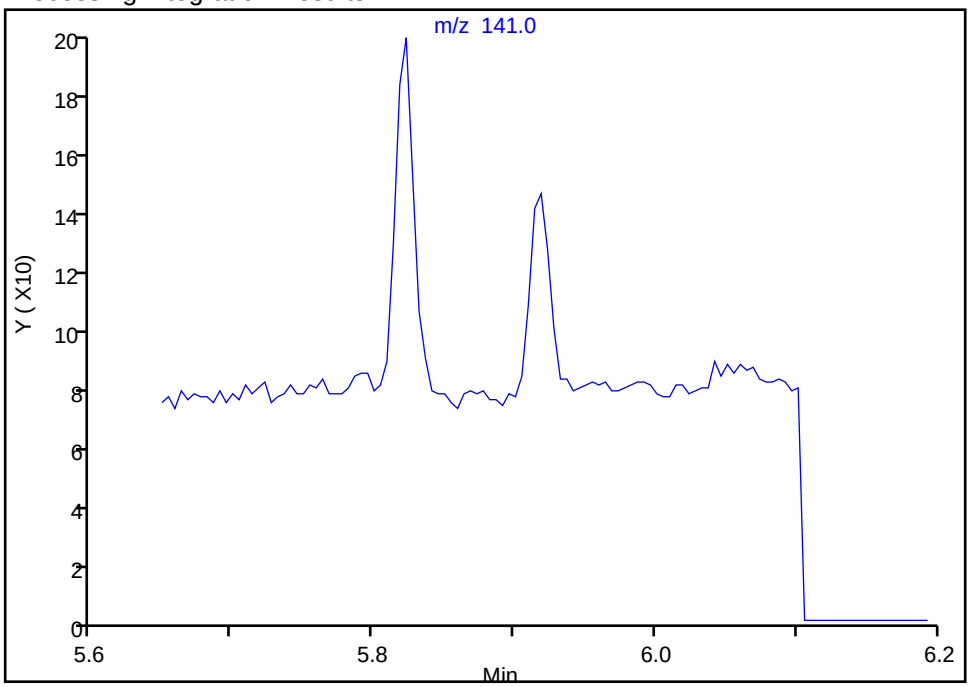
Data File: \\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\SIM031822a005.D
Injection Date: 18-Mar-2022 13:02:30 Instrument ID: TAC050
Lims ID: MB 580-384177/1-A
Client ID:
Operator ID: tl ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

13 1-Methylnaphthalene, CAS: 90-12-0

Signal: 1

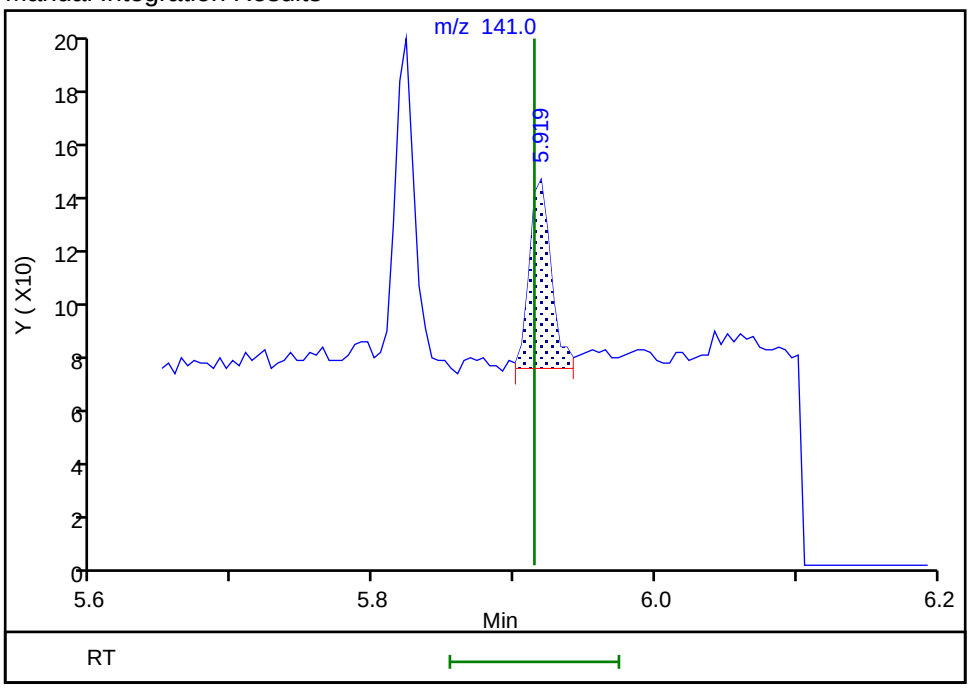
Not Detected
Expected RT: 5.91

Processing Integration Results



Manual Integration Results

RT: 5.92
Area: 75
Amount: 0.576259
Amount Units: ug/L



Reviewer: limwirojt, 21-Mar-2022 08:35:01
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

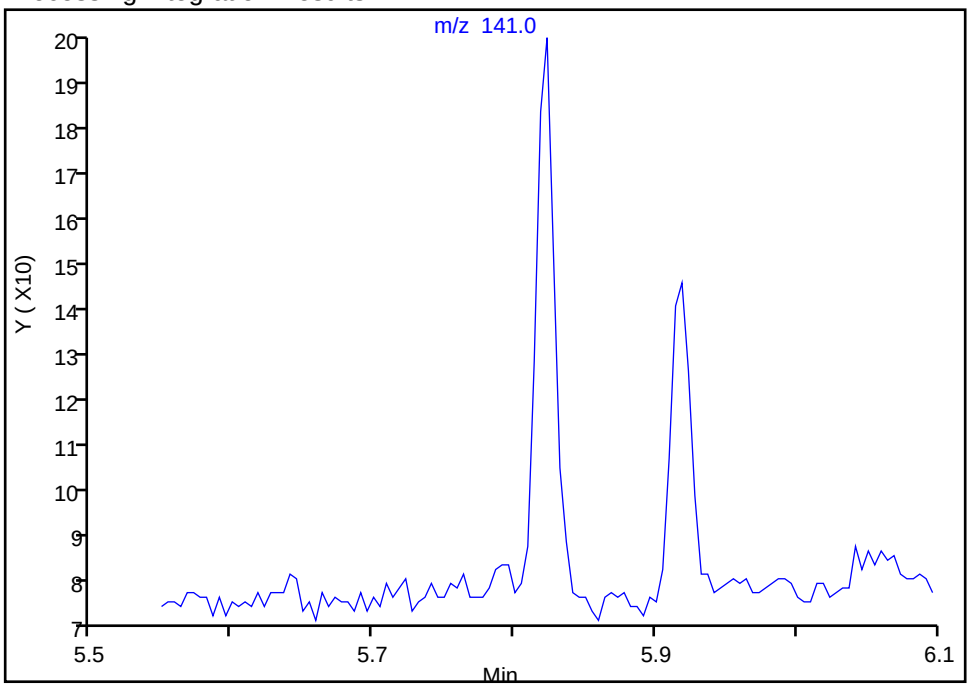
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\SIM031822a005.D				
Injection Date:	18-Mar-2022 13:02:30	Instrument ID:	TAC050		
Lims ID:	MB 580-384177/1-A				
Client ID:					
Operator ID:	tl	ALS Bottle#:	4	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

12 2-Methylnaphthalene, CAS: 91-57-6

Signal: 1

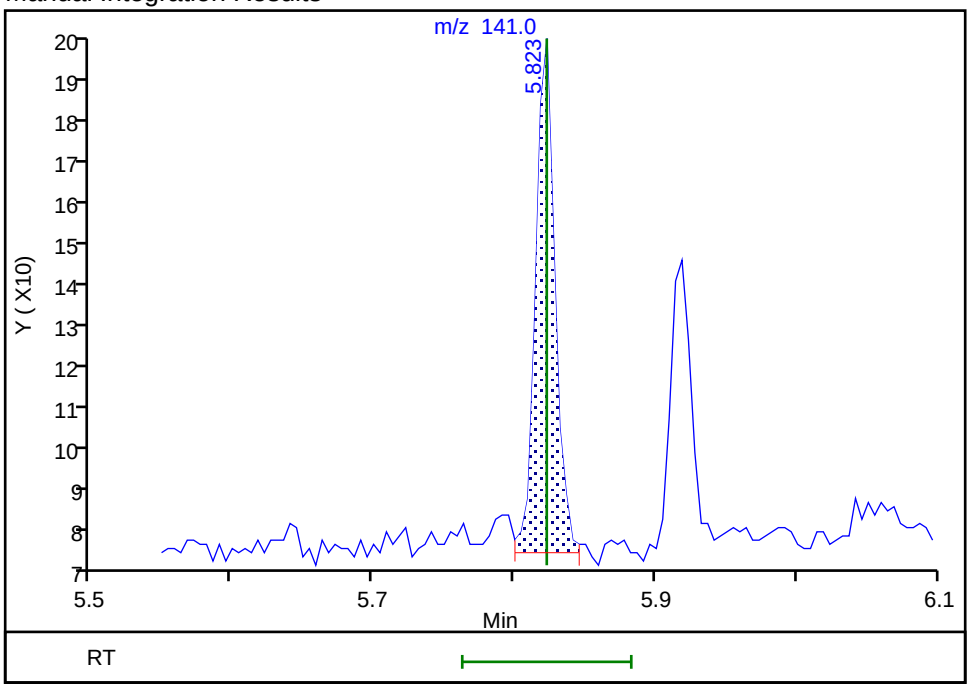
Not Detected
Expected RT: 5.82

Processing Integration Results



Manual Integration Results

RT: 5.82
Area: 116
Amount: 0.863306
Amount Units: ug/L



Reviewer: limwirojt, 21-Mar-2022 08:34:56
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

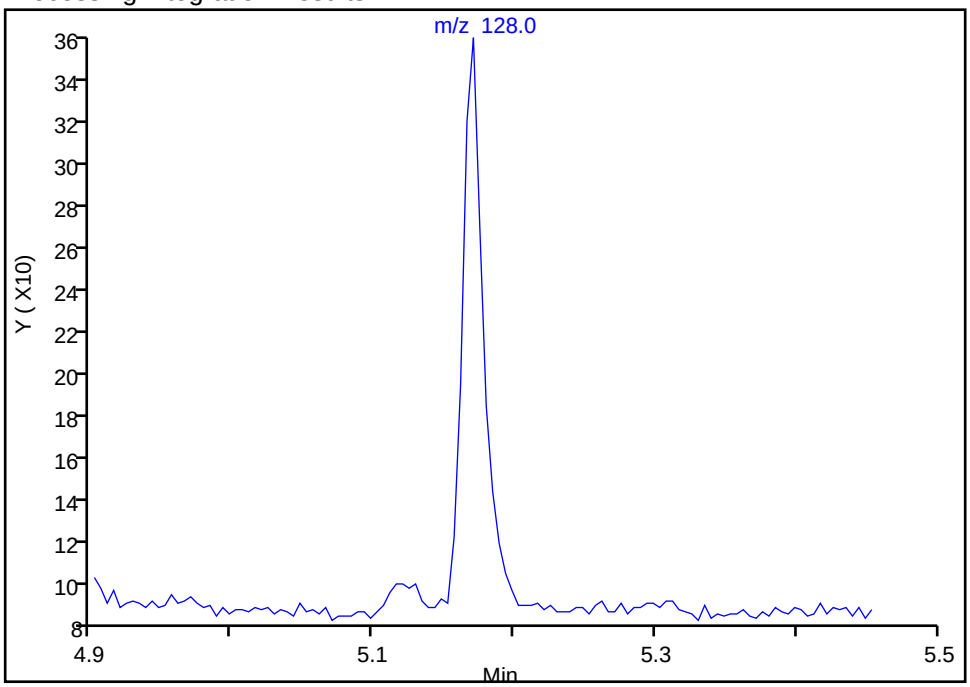
Data File: \\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\SIM031822a005.D
Injection Date: 18-Mar-2022 13:02:30 Instrument ID: TAC050
Lims ID: MB 580-384177/1-A
Client ID:
Operator ID: tl ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

11 Naphthalene, CAS: 91-20-3

Signal: 1

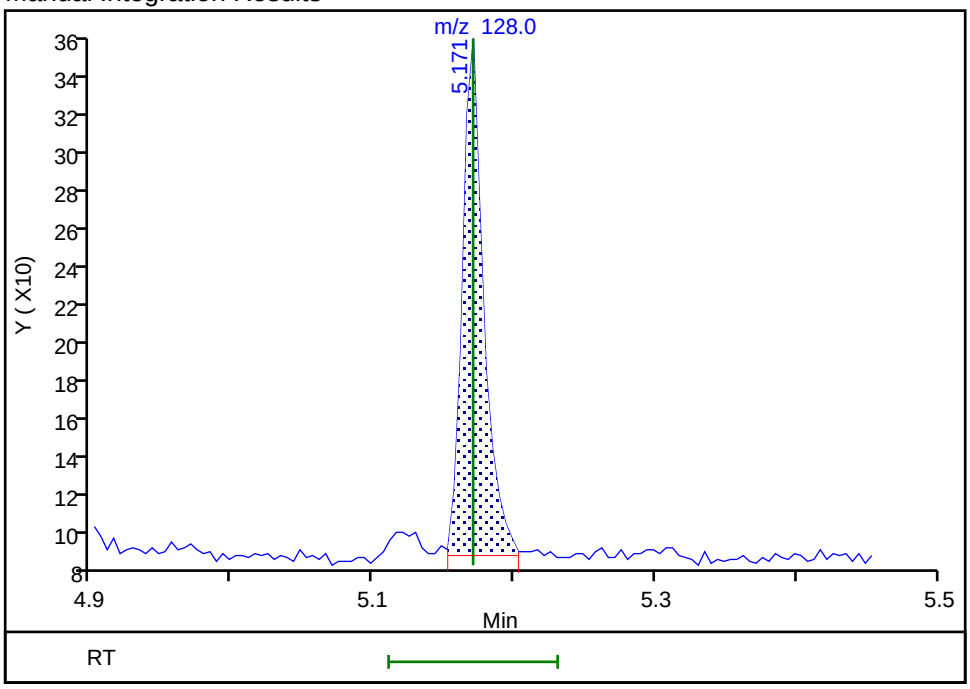
Not Detected
Expected RT: 5.17

Processing Integration Results



Manual Integration Results

RT: 5.17
Area: 279
Amount: 1.177590
Amount Units: ug/L



Reviewer: limwirojt, 21-Mar-2022 08:34:51
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

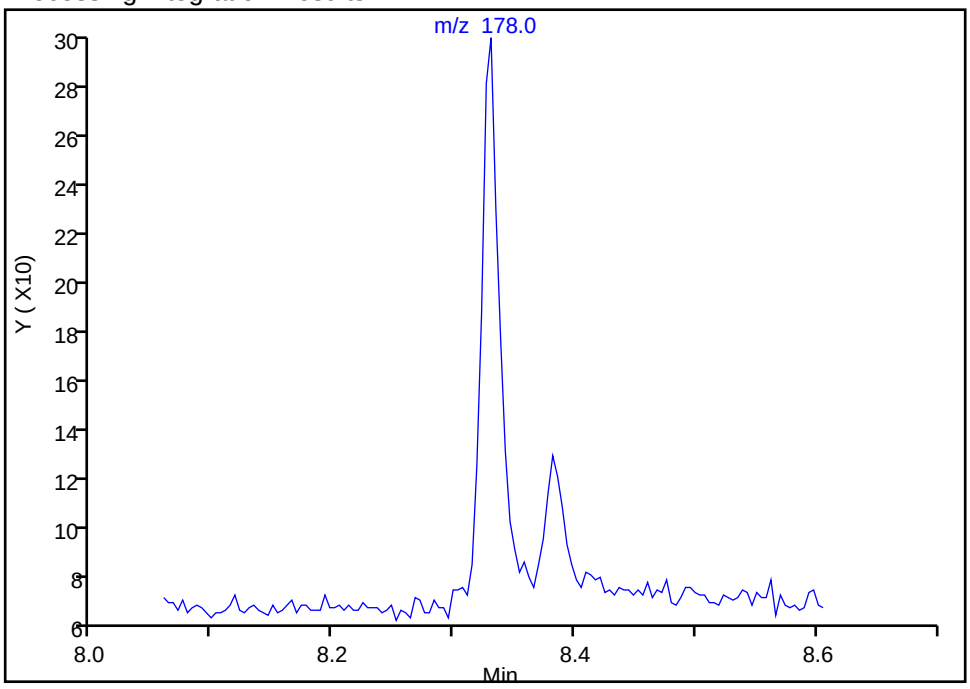
Data File: \\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\SIM031822a005.D
Injection Date: 18-Mar-2022 13:02:30 Instrument ID: TAC050
Lims ID: MB 580-384177/1-A
Client ID:
Operator ID: tl ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

18 Phenanthrene, CAS: 85-01-8

Signal: 1

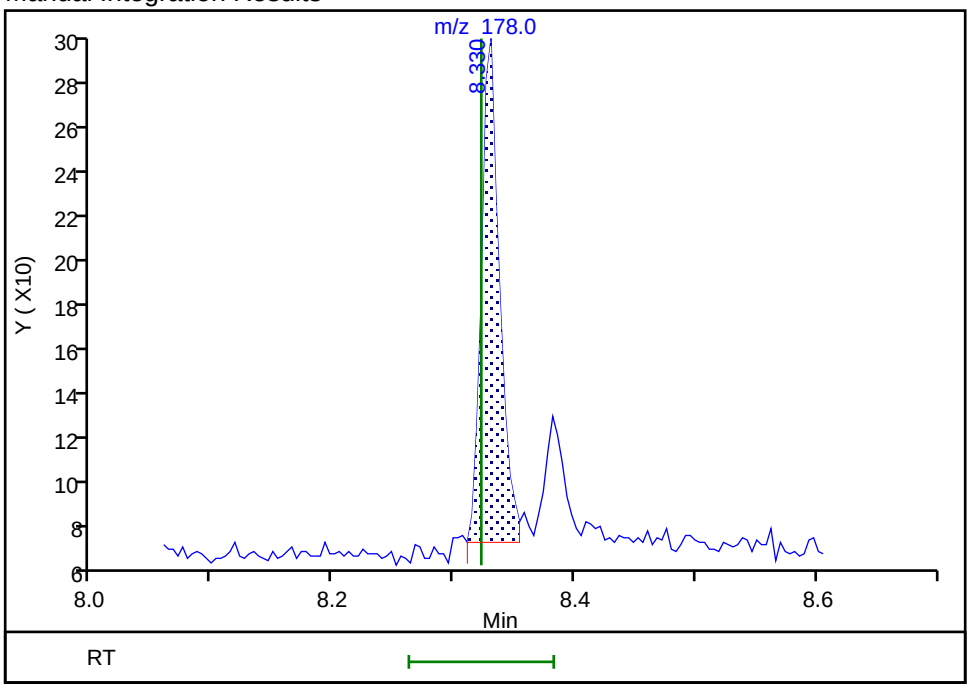
Not Detected
Expected RT: 8.32

Processing Integration Results



Manual Integration Results

RT: 8.33
Area: 226
Amount: 0.021399
Amount Units: ug/L



Reviewer: limwirojt, 21-Mar-2022 08:35:31
Audit Action: Manually Integrated Audit Reason: Assign Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle | Job No.: 580-111294-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 580-384177/2-A

Matrix: Water | Lab File ID: SIM031822a006.D

Analysis Method: 8270E SIM | Date Collected:

Extract. Method: 3510C | Date Extracted: 03/17/2022 11:35

Sample wt/vol: 1000(mL) | Date Analyzed: 03/18/2022 13:21

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 384301 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
90-12-0	1-Methylnaphthalene	1.28		0.10	0.032	0.019
91-57-6	2-Methylnaphthalene	1.24		0.20	0.080	0.039
83-32-9	Acenaphthene	1.32		0.10	0.032	0.014
208-96-8	Acenaphthylene	1.25		0.050	0.032	0.0090
120-12-7	Anthracene	1.45		0.10	0.080	0.022
56-55-3	Benzo[a]anthracene	1.67		0.050	0.032	0.014
50-32-8	Benzo[a]pyrene	1.55		0.10	0.032	0.011
205-99-2	Benzo[b]fluoranthene	1.65		0.050	0.032	0.011
191-24-2	Benzo[g,h,i]perylene	1.82		0.050	0.032	0.012
207-08-9	Benzo[k]fluoranthene	1.75		0.050	0.032	0.012
218-01-9	Chrysene	1.58		0.10	0.032	0.016
53-70-3	Dibenz(a,h)anthracene	1.83	M	0.10	0.032	0.026
206-44-0	Fluoranthene	1.60		0.20	0.032	0.018
86-73-7	Fluorene	1.38		0.10	0.032	0.017
193-39-5	Indeno[1,2,3-cd]pyrene	1.77	M	0.050	0.032	0.014
91-20-3	Naphthalene	1.27		0.10	0.080	0.031
85-01-8	Phenanthrene	1.46		0.10	0.080	0.031
129-00-0	Pyrene	1.60		0.10	0.080	0.033

CAS NO.	SURROGATE	%REC	Q	LIMITS
7297-45-2	2-methylnaphthalene-d10	61		40-140
93951-69-0	Fluoranthene-d10 (Surr)	78		40-140
1718-51-0	Terphenyl-d14	87		58-132

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\SIM031822a006.D
Lims ID: LCS 580-384177/2-A
Client ID:
Sample Type: LCS
Inject. Date: 18-Mar-2022 13:21:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCS 580-384177/2-A
Operator ID: tl Instrument ID: TAC050

Method: \\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\TAC050_SIM_PAH.m
Limit Group: 8270D_SIM QSM 5.0
Last Update: 21-Mar-2022 08:43:05 Calib Date: 14-Jan-2022 05:04:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D

Column 1 : Det: MS SCAN
Process Host: CTX1643

First Level Reviewer: limwirojt Date: 21-Mar-2022 08:43:05

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 Naphthalene-d8	136	5.148	5.148	0.000	90	20570	100.0	100.0	
* 2 Acenaphthene-d10	164	6.832	6.836	-0.004	69	10277	100.0	100.0	
* 3 Phenanthrene-d10	188	8.299	8.299	0.000	56	17246	100.0	100.0	
* 4 Chrysene-d12	240	11.012	11.007	0.005	75	13634	100.0	100.0	
* 5 Perylene-d12	264	13.056	13.061	-0.005	69	15598	100.0	100.0	
$ 6 2-methylnaphthalene-d10	152	5.791	5.791	0.000	67	74713	1000.0	614.0	
$ 10 2-Fluorobiphenyl	172	6.170	6.170	0.000	0	97056	1000.0	590.2	Ma
$ 7 2,4,6-Tribromophenol	330	7.609	7.614	-0.005	59	21090	1000.0	752.8	
$ 8 Fluoranthene-d10 (Surr)	212	9.486	9.486	0.000	68	138616	1000.0	777.8	
$ 9 Terphenyl-d14	244	9.880	9.880	0.000	94	120788	1000.0	873.9	
11 Naphthalene	128	5.166	5.171	-0.005	100	138657	1000.0	637.3	
12 2-Methylnaphthalene	141	5.818	5.823	-0.005	98	76655	1000.0	621.3	
13 1-Methylnaphthalene	141	5.914	5.914	0.000	99	76551	1000.0	640.5	
14 Acenaphthylene	152	6.695	6.695	0.000	100	135741	1000.0	624.8	
15 Acenaphthene	153	6.862	6.867	-0.005	94	90235	1000.0	661.8	
16 Fluorene	166	7.371	7.371	0.000	96	105171	1000.0	691.9	
17 Pentachlorophenol	266	8.114	8.114	0.000	99	18860	2000.0	1150.8	
18 Phenanthrene	178	8.322	8.322	0.000	100	157975	1000.0	728.2	
19 Anthracene	178	8.374	8.373	0.001	100	159401	1000.0	727.4	
20 Fluoranthene	202	9.506	9.502	0.004	52	171950	1000.0	802.4	
21 Pyrene	202	9.731	9.731	0.000	52	180560	1000.0	799.8	
22 Benzo[a]anthracene	228	10.994	10.994	0.000	95	163648	1000.0	834.8	
23 Chrysene	228	11.039	11.039	0.000	99	161871	1000.0	791.1	
30 Bis(2-ethylhexyl) phthalate	149	11.861	11.861	0.000	0	204453	1000.0	833.2	Ma
24 Benzo[b]fluoranthene	252	12.452	12.452	0.000	97	167603	1000.0	823.4	
25 Benzo[k]fluoranthene	252	12.493	12.493	0.000	95	199249	1000.0	873.6	
26 Benzo[a]pyrene	252	12.965	12.964	0.001	96	157437	1000.0	775.1	
27 Indeno[1,2,3-cd]pyrene	276	14.913	14.919	-0.006	95	151832	1000.0	883.4	M
28 Dibenz(a,h)anthracene	278	14.962	14.962	0.000	95	179039	1000.0	912.9	a
29 Benzo[g,h,i]perylene	276	15.407	15.407	0.000	94	193450	1000.0	910.0	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8270SIM_IS_00069 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 21-Mar-2022 08:43:05 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\SIM031822a006.D

Injection Date: 18-Mar-2022 13:21:30 Instrument ID: TAC050

Lims ID: LCS 580-384177/2-A

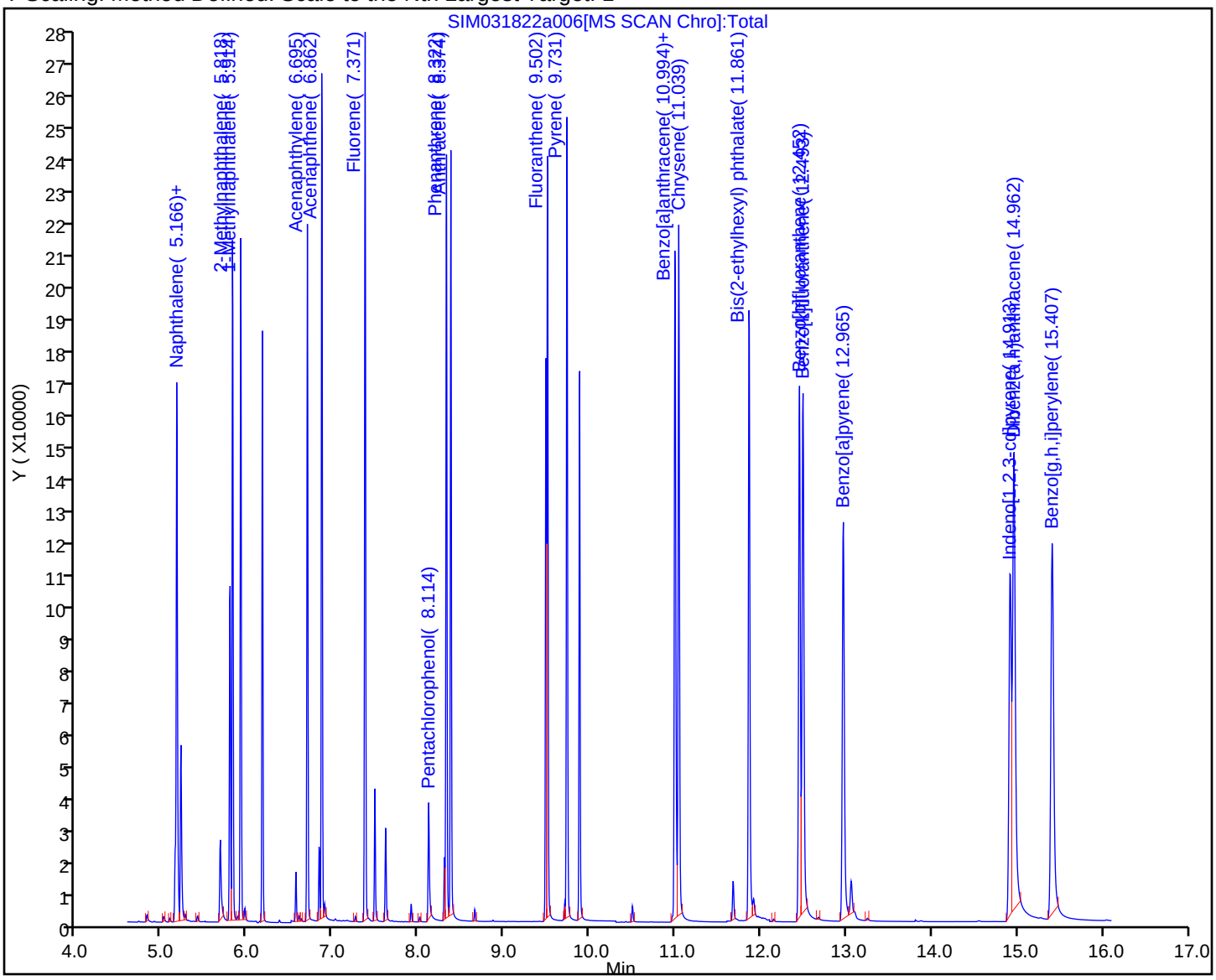
Client ID:

Operator ID: tl ALS Bottle#: 5 Worklist Smp#: 5

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle
Recovery Report

Data File: \\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\SIM031822a006.D
Lims ID: LCS 580-384177/2-A
Client ID:
Sample Type: LCS
Inject. Date: 18-Mar-2022 13:21:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCS 580-384177/2-A
Operator ID: tl Instrument ID: TAC050

Method: \\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\TAC050_SIM_PAH.m
Limit Group: 8270D_SIM QSM 5.0
Last Update: 21-Mar-2022 08:43:05 Calib Date: 14-Jan-2022 05:04:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D

Column 1 : Det: MS SCAN
Process Host: CTX1643

First Level Reviewer: limwirojt Date: 21-Mar-2022 08:43:05

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 2-methylnaphthalene-d10	1000.0	614.0	61.40
$ 10 2-Fluorobiphenyl	1000.0	590.2	59.02
$ 7 2,4,6-Tribromophenol	1000.0	752.8	75.28
$ 8 Fluoranthene-d10 (Surr)	1000.0	777.8	77.78
$ 9 Terphenyl-d14	1000.0	873.9	87.39

Manual Integration/User Assign Peak Report

Eurofins Seattle

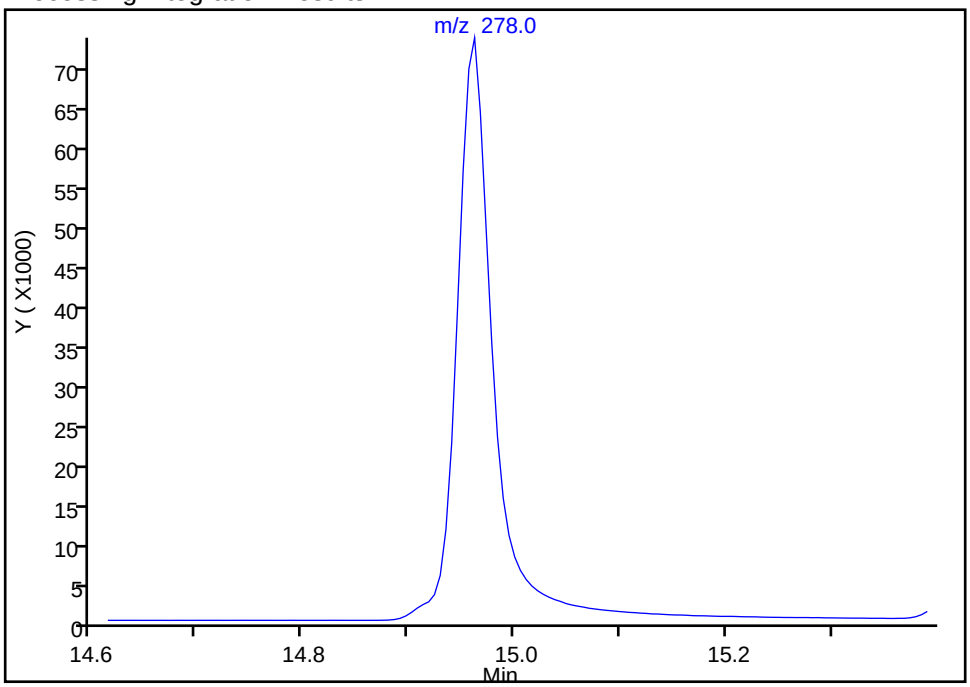
Data File: \\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\SIM031822a006.D
Injection Date: 18-Mar-2022 13:21:30 Instrument ID: TAC050
Lims ID: LCS 580-384177/2-A
Client ID:
Operator ID: tl ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

28 Dibenz(a,h)anthracene, CAS: 53-70-3

Signal: 1

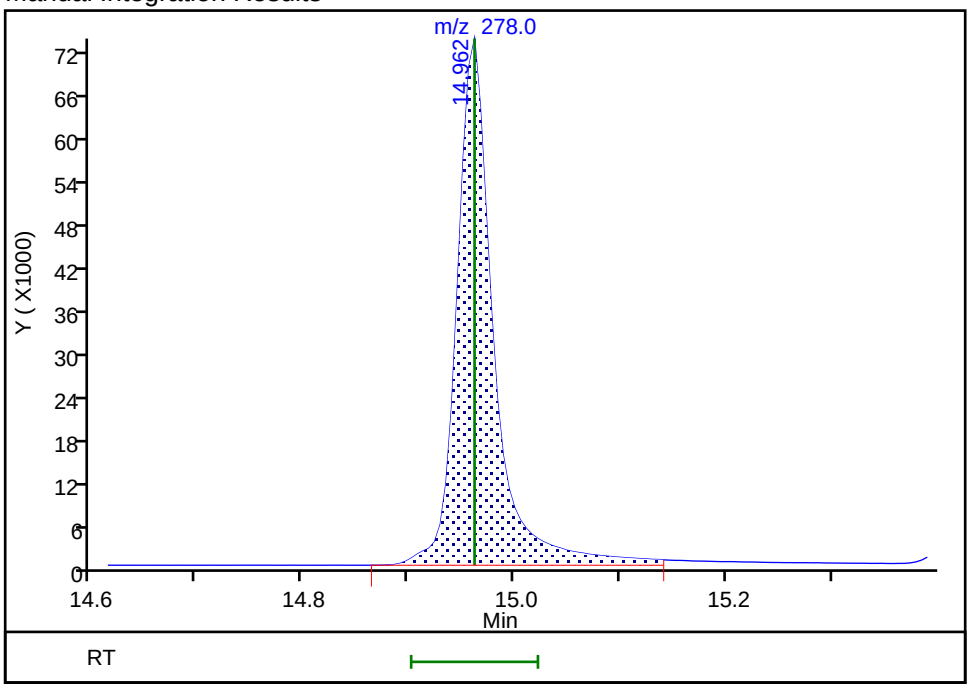
Not Detected
Expected RT: 14.96

Processing Integration Results



Manual Integration Results

RT: 14.96
Area: 179039
Amount: 912.8686
Amount Units: ug/L



Reviewer: limwirojt, 21-Mar-2022 08:42:58
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

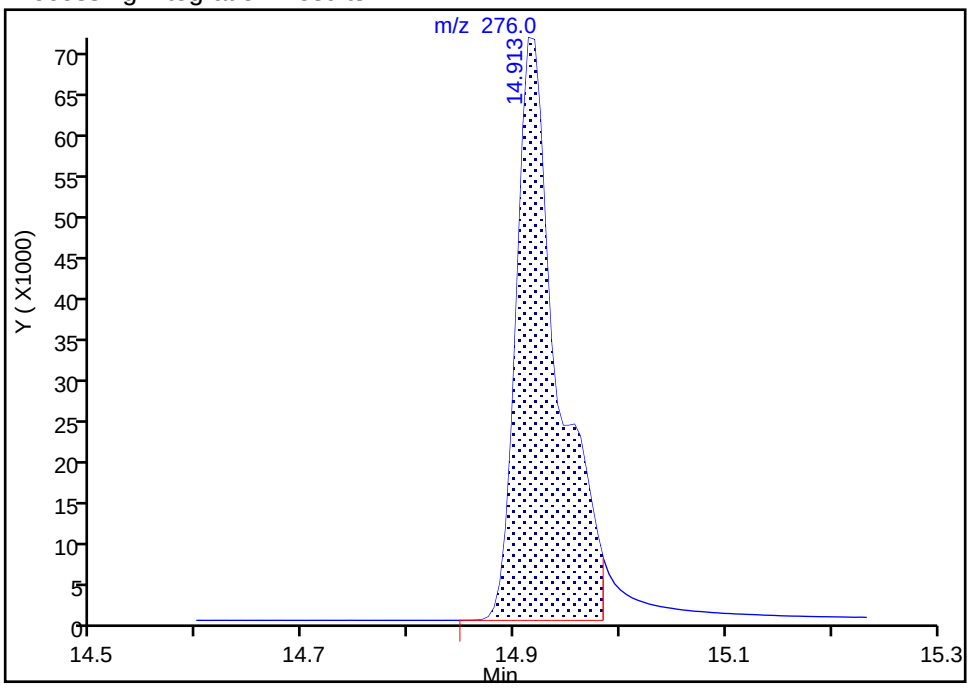
Data File: \\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\SIM031822a006.D
Injection Date: 18-Mar-2022 13:21:30 Instrument ID: TAC050
Lims ID: LCS 580-384177/2-A
Client ID:
Operator ID: tl ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

27 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

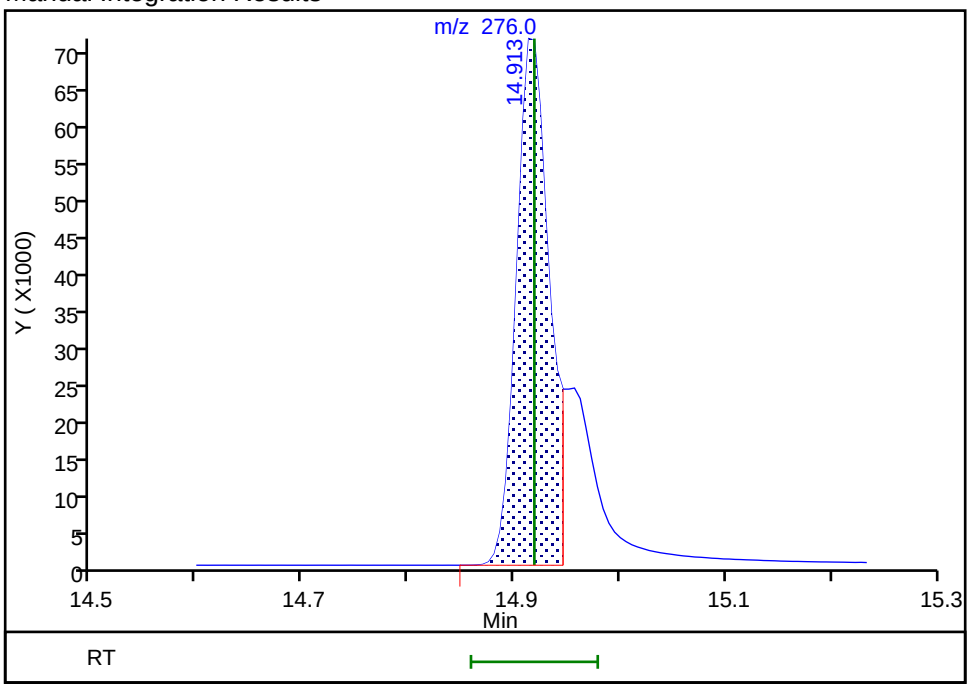
Processing Integration Results

RT: 14.91
Area: 194053
Amount: 1125.1923
Amount Units: ug/L



Manual Integration Results

RT: 14.91
Area: 151832
Amount: 883.4256
Amount Units: ug/L



Reviewer: limwirojt, 21-Mar-2022 08:42:50
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle | Job No.: 580-111294-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 580-384177/3-A

Matrix: Water | Lab File ID: SIM031822a007.D

Analysis Method: 8270E SIM | Date Collected:

Extract. Method: 3510C | Date Extracted: 03/17/2022 11:35

Sample wt/vol: 1000(mL) | Date Analyzed: 03/18/2022 13:40

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 384301 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
90-12-0	1-Methylnaphthalene	1.13		0.10	0.032	0.019
91-57-6	2-Methylnaphthalene	1.10		0.20	0.080	0.039
83-32-9	Acenaphthene	1.22		0.10	0.032	0.014
208-96-8	Acenaphthylene	1.14		0.050	0.032	0.0090
120-12-7	Anthracene	1.36		0.10	0.080	0.022
56-55-3	Benzo[a]anthracene	1.58		0.050	0.032	0.014
50-32-8	Benzo[a]pyrene	1.53		0.10	0.032	0.011
205-99-2	Benzo[b]fluoranthene	1.65		0.050	0.032	0.011
191-24-2	Benzo[g,h,i]perylene	1.78		0.050	0.032	0.012
207-08-9	Benzo[k]fluoranthene	1.68		0.050	0.032	0.012
218-01-9	Chrysene	1.42		0.10	0.032	0.016
53-70-3	Dibenz(a,h)anthracene	1.77	M	0.10	0.032	0.026
206-44-0	Fluoranthene	1.52		0.20	0.032	0.018
86-73-7	Fluorene	1.27		0.10	0.032	0.017
193-39-5	Indeno[1,2,3-cd]pyrene	1.77	M	0.050	0.032	0.014
91-20-3	Naphthalene	1.15		0.10	0.080	0.031
85-01-8	Phenanthrene	1.35		0.10	0.080	0.031
129-00-0	Pyrene	1.52		0.10	0.080	0.033

CAS NO.	SURROGATE	%REC	Q	LIMITS
7297-45-2	2-methylnaphthalene-d10	57		40-140
93951-69-0	Fluoranthene-d10 (Surr)	75		40-140
1718-51-0	Terphenyl-d14	86		58-132

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\SIM031822a007.D
Lims ID: LCSD 580-384177/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 18-Mar-2022 13:40:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCSD 580-384177/3-A
Operator ID: tl Instrument ID: TAC050

Method: \\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\TAC050_SIM_PAH.m
Limit Group: 8270D_SIM QSM 5.0
Last Update: 21-Mar-2022 08:47:06 Calib Date: 14-Jan-2022 05:04:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D

Column 1 : Det: MS SCAN
Process Host: CTX1643

First Level Reviewer: limwirojt Date: 21-Mar-2022 08:47:06

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 Naphthalene-d8	136	5.148	5.148	0.000	90	22299	100.0	100.0	
* 2 Acenaphthene-d10	164	6.832	6.836	-0.004	69	10706	100.0	100.0	
* 3 Phenanthrene-d10	188	8.299	8.299	0.000	56	17946	100.0	100.0	
* 4 Chrysene-d12	240	11.007	11.007	0.000	63	14378	100.0	100.0	
* 5 Perylene-d12	264	13.052	13.061	-0.009	69	15888	100.0	100.0	
$ 6 2-methylnaphthalene-d10	152	5.791	5.791	0.000	67	75235	1000.0	570.3	
$ 10 2-Fluorobiphenyl	172	6.170	6.170	0.000	0	95371	1000.0	556.7	Ma
$ 7 2,4,6-Tribromophenol	330	7.609	7.614	-0.005	59	20783	1000.0	713.4	
$ 8 Fluoranthene-d10 (Surr)	212	9.487	9.486	0.001	68	138601	1000.0	747.3	
$ 9 Terphenyl-d14	244	9.876	9.880	-0.004	95	123027	1000.0	855.4	
11 Naphthalene	128	5.166	5.171	-0.005	100	135205	1000.0	573.3	
12 2-Methylnaphthalene	141	5.818	5.823	-0.005	98	73459	1000.0	549.2	
13 1-Methylnaphthalene	141	5.914	5.914	0.000	99	73214	1000.0	565.1	
14 Acenaphthylene	152	6.695	6.695	0.000	100	129518	1000.0	572.2	
15 Acenaphthene	153	6.862	6.867	-0.005	94	86305	1000.0	607.6	
16 Fluorene	166	7.371	7.371	0.000	96	100177	1000.0	632.6	
17 Pentachlorophenol	266	8.114	8.114	0.000	98	15775	2000.0	961.8	
18 Phenanthrene	178	8.323	8.322	0.001	100	152890	1000.0	677.2	
19 Anthracene	178	8.374	8.373	0.001	100	155125	1000.0	680.2	
20 Fluoranthene	202	9.502	9.502	0.000	52	169775	1000.0	761.3	
21 Pyrene	202	9.731	9.731	0.000	51	178397	1000.0	759.3	
22 Benzo[a]anthracene	228	10.994	10.994	0.000	95	163567	1000.0	791.2	
23 Chrysene	228	11.039	11.039	0.000	98	153663	1000.0	712.0	
30 Bis(2-ethylhexyl) phthalate	149	11.861	11.861	0.000	0	204947	1000.0	794.2	Ma
24 Benzo[b]fluoranthene	252	12.447	12.452	-0.005	97	170878	1000.0	824.2	
25 Benzo[k]fluoranthene	252	12.489	12.493	-0.004	95	195502	1000.0	841.5	
26 Benzo[a]pyrene	252	12.960	12.964	-0.004	96	158714	1000.0	767.1	
27 Indeno[1,2,3-cd]pyrene	276	14.913	14.919	-0.006	95	155035	1000.0	885.6	M
28 Dibenz(a,h)anthracene	278	14.957	14.962	-0.005	96	176988	1000.0	885.9	a
29 Benzo[g,h,i]perylene	276	15.407	15.407	0.000	94	192936	1000.0	891.0	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8270SIM_IS_00069 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 21-Mar-2022 08:47:06 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\SIM031822a007.D

Injection Date: 18-Mar-2022 13:40:30 Instrument ID: TAC050

Lims ID: LCSD 580-384177/3-A

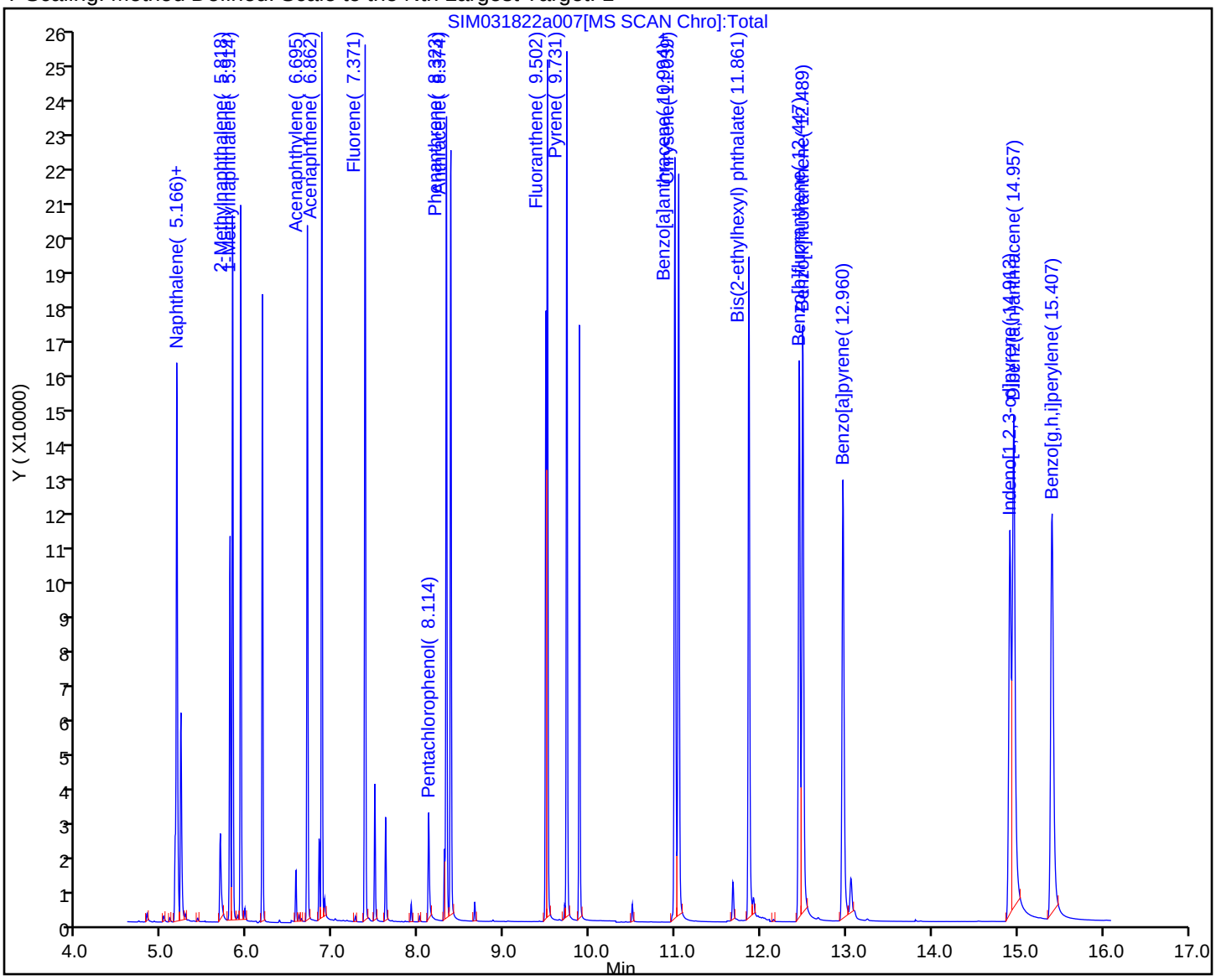
Client ID:

Operator ID: tl ALS Bottle#: 6 Worklist Smp#: 6

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle
Recovery Report

Data File: \\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\SIM031822a007.D
Lims ID: LCSD 580-384177/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 18-Mar-2022 13:40:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCSD 580-384177/3-A
Operator ID: tl Instrument ID: TAC050

Method: \\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\TAC050_SIM_PAH.m
Limit Group: 8270D_SIM QSM 5.0
Last Update: 21-Mar-2022 08:47:06 Calib Date: 14-Jan-2022 05:04:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D

Column 1 : Det: MS SCAN
Process Host: CTX1643

First Level Reviewer: limwirojt Date: 21-Mar-2022 08:47:06

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 2-methylnaphthalene-d10	1000.0	570.3	57.03
$ 10 2-Fluorobiphenyl	1000.0	556.7	55.67
$ 7 2,4,6-Tribromophenol	1000.0	713.4	71.34
$ 8 Fluoranthene-d10 (Surr)	1000.0	747.3	74.73
$ 9 Terphenyl-d14	1000.0	855.4	85.54

Manual Integration/User Assign Peak Report

Eurofins Seattle

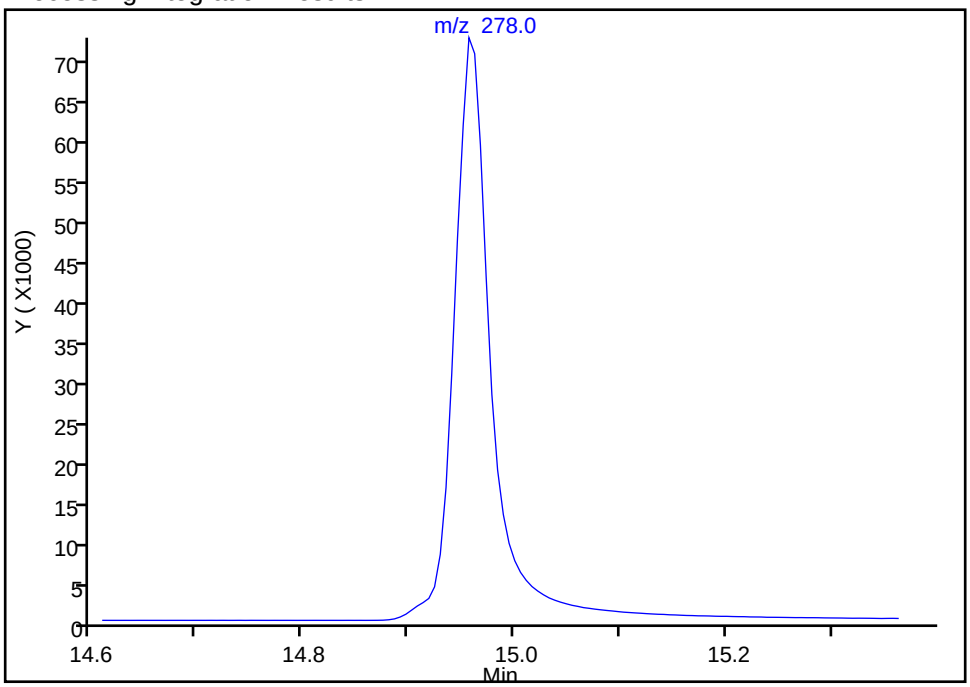
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\SIM031822a007.D				
Injection Date:	18-Mar-2022 13:40:30	Instrument ID:	TAC050		
Lims ID:	LCSD 580-384177/3-A				
Client ID:					
Operator ID:	tl	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

28 Dibenz(a,h)anthracene, CAS: 53-70-3

Signal: 1

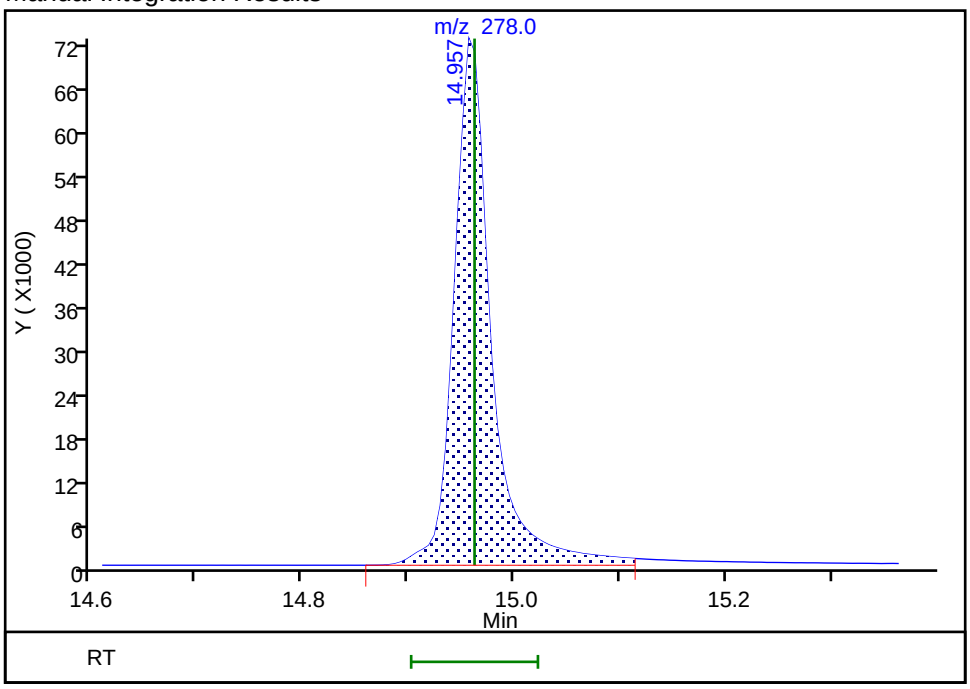
Not Detected
Expected RT: 14.96

Processing Integration Results



Manual Integration Results

RT: 14.96
Area: 176988
Amount: 885.9218
Amount Units: ug/L



Reviewer: limwirojt, 21-Mar-2022 08:47:02
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

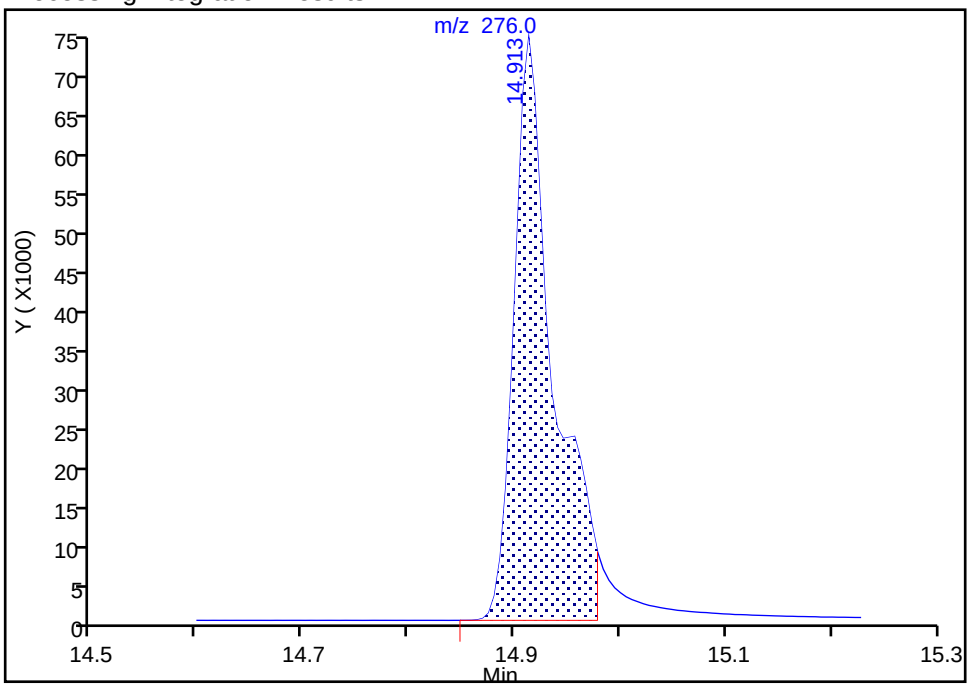
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220318-81809.b\SIM031822a007.D				
Injection Date:	18-Mar-2022 13:40:30	Instrument ID:	TAC050		
Lims ID:	LCSD 580-384177/3-A				
Client ID:					
Operator ID:	tl	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

27 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

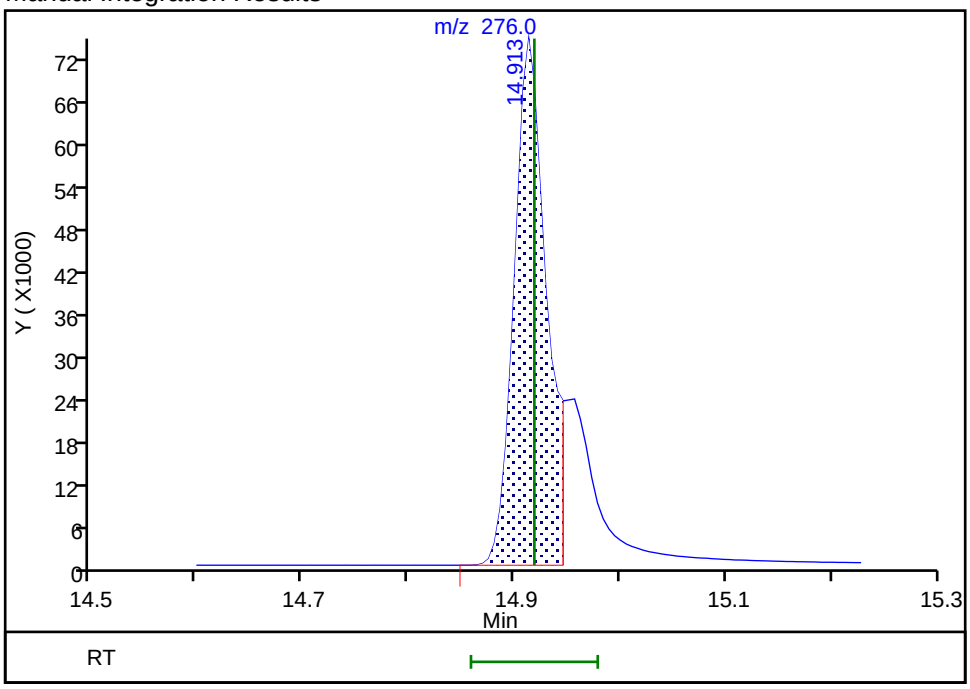
Processing Integration Results

RT: 14.91
Area: 191711
Amount: 1091.8405
Amount Units: ug/L



Manual Integration Results

RT: 14.91
Area: 155035
Amount: 885.5696
Amount Units: ug/L



Reviewer: limwirojt, 21-Mar-2022 08:46:57
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Instrument ID: TAC050 Start Date: 01/14/2022 00:35

Analysis Batch Number: 378263 End Date: 01/14/2022 05:42

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 580-378263/2		01/14/2022 00:35	1	SIM011322b012.D	ZB-SV 0.25(mm)
STD13 580-378263/4 IC		01/14/2022 01:16	1	SIM011322b014.D	ZB-SV 0.25(mm)
STD12 580-378263/5 IC		01/14/2022 01:35	1	SIM011322b015.D	ZB-SV 0.25(mm)
STD11 580-378263/6 IC		01/14/2022 01:54	1	SIM011322b016.D	ZB-SV 0.25(mm)
STD10 580-378263/7 IC		01/14/2022 02:13	1	SIM011322b017.D	ZB-SV 0.25(mm)
STD9IS 580-378263/8 IC		01/14/2022 02:32	1	SIM011322b018.D	ZB-SV 0.25(mm)
STD8 580-378263/9 IC		01/14/2022 02:51	1	SIM011322b019.D	ZB-SV 0.25(mm)
STD7 580-378263/10 IC		01/14/2022 03:10	1	SIM011322b020.D	ZB-SV 0.25(mm)
STD6 580-378263/11 IC		01/14/2022 03:29	1	SIM011322b021.D	ZB-SV 0.25(mm)
STD5 580-378263/12 IC		01/14/2022 03:48	1	SIM011322b022.D	ZB-SV 0.25(mm)
STD4 580-378263/13 IC		01/14/2022 04:07	1	SIM011322b023.D	ZB-SV 0.25(mm)
STD3 580-378263/14 IC		01/14/2022 04:26	1	SIM011322b024.D	ZB-SV 0.25(mm)
STD2 580-378263/15 IC		01/14/2022 04:45	1	SIM011322b025.D	ZB-SV 0.25(mm)
STD1 580-378263/16 IC		01/14/2022 05:04	1	SIM011322b026.D	ZB-SV 0.25(mm)
ICV 580-378263/18		01/14/2022 05:42	1	SIM011322b028.D	ZB-SV 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Instrument ID: TAC050 Start Date: 03/18/2022 10:54

Analysis Batch Number: 384301 End Date: 03/18/2022 15:37

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 580-384301/2		03/18/2022 10:54	1	SIM031822a003.D	ZB-SV 0.25(mm)
CCVIS 580-384301/3		03/18/2022 11:17	1	SIM031822a004.D	ZB-SV 0.25(mm)
MB 580-384177/1-A		03/18/2022 13:02	1	SIM031822a005.D	ZB-SV 0.25(mm)
LCS 580-384177/2-A		03/18/2022 13:21	1	SIM031822a006.D	ZB-SV 0.25(mm)
LCSD 580-384177/3-A		03/18/2022 13:40	1	SIM031822a007.D	ZB-SV 0.25(mm)
580-111294-1	ERH2692 (OWDFMW01)	03/18/2022 13:59	1	SIM031822a008.D	ZB-SV 0.25(mm)
580-111294-2	ERH2772 (Equipment Blank)	03/18/2022 14:18	1	SIM031822a009.D	ZB-SV 0.25(mm)
580-111294-3	ERH2743 (RHMW13-5)	03/18/2022 14:38	1	SIM031822a010.D	ZB-SV 0.25(mm)
580-111294-4	ERH2744 (RHMW13-5)	03/18/2022 14:57	1	SIM031822a011.D	ZB-SV 0.25(mm)
580-111294-5	ERH2745 (RHMW13-5)	03/18/2022 15:16	1	SIM031822a012.D	ZB-SV 0.25(mm)
CCVC 580-384301/12		03/18/2022 15:37	1	SIM031822a013.D	ZB-SV 0.25(mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Batch Number: 384177 Batch Start Date: 03/17/22 11:33 Batch Analyst: Lanin, Aleksey S

Batch Method: 3510C Batch End Date: 03/17/22 19:45

Lab Sample ID	Client Sample ID	Method Chain	Basis	GrossWeight	TareWeight	InitialAmount	FinalAmount	ReceivedpH	FirstAdjustpH
MB 580-384177/1		3510C, 8270E SIM				1000 mL	2 mL	7 SU	2 SU
LCS 580-384177/2		3510C, 8270E SIM				1000 mL	2 mL	7 SU	2 SU
LCSD 580-384177/3		3510C, 8270E SIM				1000 mL	2 mL	7 SU	2 SU
580-111294-A-1	ERH2692 (OWDFMW01)	3510C, 8270E SIM	T	01436.31 g	00465.78 g	970.5 mL	2 mL	7 SU	2 SU
580-111294-B-2	ERH2772 (Equipment Blank)	3510C, 8270E SIM	T	01563.15 g	00514.96 g	1048.2 mL	2 mL	7 SU	2 SU
580-111294-B-3	ERH2743 (RHMW13-5)	3510C, 8270E SIM	T	01464.39 g	00470.45 g	993.9 mL	2 mL	7 SU	2 SU
580-111294-B-4	ERH2744 (RHMW13-5)	3510C, 8270E SIM	T	01557.87 g	00514.41 g	1043.5 mL	2 mL	7 SU	2 SU
580-111294-B-5	ERH2745 (RHMW13-5)	3510C, 8270E SIM	T	01567.27 g	00519.69 g	1047.6 mL	2 mL	7 SU	2 SU

Lab Sample ID	Client Sample ID	Method Chain	Basis	SecondAdjustpH	8270flspk 00296	8270waterSurr 00119			
MB 580-384177/1		3510C, 8270E SIM		11 SU		100 uL			
LCS 580-384177/2		3510C, 8270E SIM		11 SU	100 uL	100 uL			
LCSD 580-384177/3		3510C, 8270E SIM		11 SU	100 uL	100 uL			
580-111294-A-1	ERH2692 (OWDFMW01)	3510C, 8270E SIM	T	11 SU		100 uL			
580-111294-B-2	ERH2772 (Equipment Blank)	3510C, 8270E SIM	T	11 SU		100 uL			
580-111294-B-3	ERH2743 (RHMW13-5)	3510C, 8270E SIM	T	11 SU		100 uL			
580-111294-B-4	ERH2744 (RHMW13-5)	3510C, 8270E SIM	T	11 SU		100 uL			
580-111294-B-5	ERH2745 (RHMW13-5)	3510C, 8270E SIM	T	11 SU		100 uL			

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Seattle Job No.: 580-111294-1

SDG No.:

Batch Number: 384177 Batch Start Date: 03/17/22 11:33 Batch Analyst: Lanin, Aleksey S

Batch Method: 3510C Batch End Date: 03/17/22 19:45

Batch Notes	
Method/Fraction	3510C / 8270E_SIM / 8270/625.1
Balance ID	SEA225
pH Indicator ID	6007005 / 6911002
Pipette/Syringe/Dispenser ID	MP5
Analyst ID - Extraction	MAE/AL/KW
Reagent Water ID	DI
Analyst ID - Spike Analyst	AL/KW
Analyst ID - Spike Witness Analyst	MAE
Sufficient Volume for Batch QC	yes
Acid Used for pH Adjustment ID	3020736
Base Used to Adjust pH ID	3090399
Prep Solvent ID	3076033
Prep Solvent Volume Used	180 / 360 mL
Filter ID	3048946
Na2SO4 ID	3058747
Analyst ID - Concentration	MAE/KW
Equipment ID - Concentration 1	Steambath 1
Thermometer ID - Concentration 1	61013-040-1
Concentration 1 Uncorrected Temperature	70.0-75.0 Degrees C
Concentration 1 Corrected Temperature	69.4-74.4 Degrees C
Equipment ID - Concentration 2	Turbovap5
Thermometer ID - Concentration 2	DIGITALREADOUT
Concentration 2 Uncorrected Temperature	30.0 Degrees C
Concentration 2 Corrected Temperature	28.1 Degrees C
Vial Lot Number	24165097
Batch Comment	Vialed by: MAE/KW

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Shipping and Receiving Documents

Chain of Custody Record

eurofins | Environment Testing America

580-111294 Chain of Custody

Client Contact: Alethea Ramos (alternate: Margie Pascua)	Sampler: Nicolette Lawler	Lab PM: Elaine Walker	Carrier Tracking No(s): FedEx	COC No: EURO202203-24
Company: AECOM	Phone: 916-835-6425	E-Mail: M.Elaine.Walker@EurofinsET.com	State of Origin: Hawaii	Page: Page 1 of 1
Address: 1001 Bishop St. Suite 1600	PWSID:	Due Date Requested: see subcontract		Job #:
City: Honolulu		TAT Requested (days): Rush - ASAP		
State, Zip: Hawaii 96813		Compliance Project: Δ Yes Δ No		
Phone: 808-521-3051 (direct: 808-529-7283) (alternate: 808-356-5373)		PO #:		
Email: alethea.ramos@aecom.com (alternate: margie.pascua@aecom.com)		WO #:		
Project Name: CV18F0126		Project #: 60571032		
Site: RH		SSOW#:		

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SVOCs (full suite) by 8270D (Nap, 1-2-Methylnap, PAH) by 8270DSIM	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
ERH2692 (OWDFMW01)	3/10/22	10:05	G	W	N		x	2	
ERH2772 (Equipment Blank)	3/10/22	1142	G	W	N		x	2	

MN 3/10/22

MN 3/10/22

Therm. ID: A3 Cor: 1.9 ° Unc: 1.9 °
Cooler Dsc: LB
Packing: Bulk
Cust. Seal: Yes ___ No ✓
Blue Ice, Wet, Dry, None
FedEx: PO
UPS:
Lab Cour:
Other:

Possible Hazard Identification

■ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Deliverable Requested: I, II, III, IV, Other (specify)

Prelim data (Level 1or2)=see TAT above. DoD Stage 4 report standard TAT. AECOM EQuIS EDD.

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ■ Disposal By Lab ☐ Archive For ___ Months

Special Instructions/QC Requirements: DOD QSM project.

Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:	
Relinquished by: Maggie Nutter	Date/Time: 3/10/22 1330	Company AECOM	Received by:		Date/Time: 3/11/22 0940	Company EFAS	
Relinquished by:	Date/Time:	Company	Received by:		Date/Time:	Company	
Relinquished by:	Date/Time:	Company	Received by:		Date/Time:	Company	

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks:

03/23/2022

Ver: 01/16/2019

Eurofins FGS, Seattle
5755 8th Street East
Tacoma, WA 98424

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Sarah Welter	Lab PM: Elaine Walker	Carrier Tracking No(s): FedEx	COC No: EURO202203-36NOI
Client Contact: Alethea Ramos (alternate: Margie Pascua)	Phone: 478473-0578	E-Mail: M.Elaine.Walker@EurofinsET.com	State of Origin: Hawaii	Page: Page 1 of 1
Company: AECOM	PWSID:			Job #:
Address: 1001 Bishop St. Suite 1600	Due Date Requested: see subcontract			
City: Honolulu	TAT Requested (days): Rush - ASAP			
State, Zip: Hawaii 96813	Compliance Project: Δ Yes Δ No			
Phone: 808-521-3051 (direct: 808-529-7283) (alternate: 808-356-5373)	PO #:			
Email: alethea.ramos@aecom.com (alternate: margie.pascua@aecom.com)	WO #:			
Project Name: CV18F0126	Project #: 60571032			
Site: RH	SSOW#:			

Analysis Requested

CV 3/10/22

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SVOCs (full suite) by 8270D (Nap, 1-2-Methylnap, PAH) by 8270DSIM	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
ERH2743 (RHMW13-5)	3/10/22	0915	G	W	N	N	x	2	
ERH2744 (RHMW13-5)	3/10/22	1244	G	W	N	N	x	2	
ERH2745 (RHMW13-5)	3/10/22	1105	G	W	N	N	x	2	

Therm. ID: A3 Cor: 0.3° Unc: 0.3°
Cooler Dsc: LB FedEx: P.0
Packing: BWB UPS:
Cust. Seal: Yes / No Lab Cour:
Blue Ice: Wet Dry, None Other:

CV 3/10/22

Possible Hazard Identification
■ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ■ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Prelim data (Level 1or2)=see TAT above. DoD Stage 4 report standard TAT. AECOM EQuIS EDD

Special Instructions/QC Requirements: DOD QSM project.

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Clara Lin	03/10/22 1434	AECOM		3/11/22 0940	EFHS
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks:

03/23/2022

Login Sample Receipt Checklist

Client: AECOM

Job Number: 580-111294-1

Login Number: 111294
List Number: 1
Creator: Greene, Ashton R

List Source: Eurofins Seattle

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	