EXHIBIT 1

August 11, 2022

Mr. Leonard Sophrin
Capital Project Manager
Department of Parks and Recreation
City of Wilmington
500 Wilmington Avenue
Wilmington, Delaware 19801

RE: Limited Phase II Site Investigation
Barbara Hicks Park
410-420 Bradford St. & 405-427 Goodman St.
Wilmington, Delaware 19801
BrightFields 1097.205.21

Dear Mr. Sophrin:

This letter report summarizes the Limited Phase II Site Investigation (SI) of Barbara Hicks Park (Site) conducted by BrightFields, Inc. (BrightFields) in June 2022. The following sections present background information, the methods and findings of the Site Investigation (SI), and our conclusions.

BACKGROUND INFORMATION

The Site consists of a public park approximately 1.36 acres, split into eight tax parcels (New Castle County tax parcel numbers 26-058.00-002, 26-058.00-003, 26-058.00-004, 26-058.00-005, 26-058.00-006, 26-058.00-007, 26-058.00-008, and 26-058.00-009). The Site is located at the intersection of Bradford and B Streets in Wilmington, Delaware (**Figure 1)**. The Site consists of a playground, basketball court, and open space. Surrounding land use is mixed residential and commercial.

In June 2022, a new fence was installed at the southeast area of the Site, along the tree line. During the installation of the fence posts, material brought to the surface appeared to be dark in color and contained pieces of glass and debris. BrightFields was tasked to conduct a Limited Phase II Investigation including collection and analysis of shallow and subsurface soil samples in order to provide a preliminary evaluation of the soil at the site, and to characterize site soils for disposal, if required.

SOIL INVESTIGATION METHODS

Prior to the start of field activities, BrightFields prepared a Site-specific Health and Safety Plan (HASP), to address Site-specific hazards and ensure safe work practices during the investigation.

On June 23, 2022, eight hand auger soil borings (BHP-HA01 through BHP-HA08) were advanced by BrightFields' personnel throughout the park. The boring locations are shown on **Figure 1**.

The eight soil borings were advanced to termination depths of 3 feet below ground surface (bgs). Soil cores were sampled between 0 to 2 feet below ground surface (bgs) and 2 to 3 feet bgs for each boring location (16 samples total). The soil borings were field screened at each composite sample depth for volatile organic compounds (VOCs) using a photoionization detector (PID) and for metals using an x-ray fluorescence (XRF) analyzer. The PID and XRF were field-calibrated prior to use.

Based on the field screening and boring observations, select composite samples were analyzed by the laboratory for Polyaromatic Hydrocarbons (PAHs) and/or Target Analyte List (TAL) Metals.

One composite sample (BHP-SURF-COMP-S001) was collected from the shallow soil (0 to 2 feet bgs) from each of the eight boring locations for possible analysis for waste characterization. This sample was placed on hold.

One composite soil sample (BHP-FENCE-COMP-S001) was collected from the soil and debris generated from the augering for the fence posts along the eastern site boundary. The composite sample was submitted for analysis under the parameters outlined in the Delaware Solid Waste Authority (DSWA) Policy on Special Solid Wastes, including Toxicity Characteristic Leaching Procedure (TCLP) constituents listed in SW-846, ignitibility, corrosivity, reactivity, BTEX, polychlorinated biphenyls (PCBs), paint filter liquids test, percent solids, moisture, sulfide, and sulfate.

BrightFields submitted all soil samples under chain-of-custody procedures to Eurofins Environment Testing America in Edison, New Jersey for analysis. Soil samples were selected for analysis based on their location, depth, and field screening results. No investigation-derived soil wastes were generated during this SI. Elevated PID readings (greater than 25 ppm) were not observed. Soil encountered from 0 to 3 feet bgs at the Site was primarily made up of brown

and tan silt and sand, which contained roots and rocks. Visible evidence of darker soil which contained glass and debris was noted at approximately 3 feet bgs.

ANALYTICAL RESULTS

The laboratory results from the hand auger borings were compared to February 2022 Hazardous Substance Cleanup Act (HSCA) Screening Levels and are summarized in **Table 1** and **Table 2**.

Shallow soil samples from all eight borings were submitted for analysis for TAL metals. Shallow soil samples from HA01, HA03, HA05, and HA08 were also submitted for analysis for PAHs.

Analytical results associated with shallow soil (0 to 2 feet bgs) indicate that metals including antimony, arsenic, cadmium, lead, and thallium exceed their respective February 2022 Hazardous Substance Cleanup Act (HSCA) Screening Levels. PAHs, including benzo[a]anthracene, benzo[a]pyrene, benzo[b]fluoranthene, dibenz[a,h]anthracene, indeno[1,2,3-cd]pyrene, and naphthalene, were identified in shallow soil at concentrations which exceed HSCA Screening Levels. Arsenic, iron, lead, benzo[a]anthracene, benzo[a]pyrene, benzo[b]fluoranthene, and dibenz[a,h]anthracene in shallow soil also exceed DNREC Reporting Levels.

Subsurface soil samples from HA01, HA03, HA05, HA07, and HA08 were submitted for analysis for TAL metals. Subsurface soil samples from HA03 and HA07 were also submitted for analysis for PAHs.

Analytical results associated with subsurface soil (2 to 3 feet bgs) indicate that metals including antimony, arsenic, barium, cadmium, cobalt, copper, iron, lead, thallium, and zinc exceed their respective HSCA Screening Levels. PAHs were not identified in subsurface soil at concentrations which exceed their respective HSCA Screening or Reporting Levels.

A review of the analytical results associated with the composite sample of the materials generated from the fence post holes along the eastern site boundary (BHP-FENCE_COMP-S001) indicates that the materials are within the DSWA criteria for disposal of “Special Solid Wastes” at the Cherry Island Landfill. The results of the special waste disposal analysis are summarized in **Table 3**.

A copy of the Eurofins data package is included as **Attachment A**.

CONCLUSIONS AND RECOMMENDATIONS

Based on a review of the analytical data for samples collected during the Limited Phase II SI, metals and PAH exceedances in soil were generally more prevalent to the north and center of the Site.

Concentrations of some metals and PAHs within shallow and subsurface soil exceed the respective HSCA Screening Levels which warrants additional investigation. Additionally, several compounds also exceed the DNREC Reporting Levels. If this soil is to be disturbed (e.g., regraded or excavated), DNREC notification is required.

Materials generated from the installation of fence posts along the eastern site boundary (BHP-FENCE_COMP-S001) are within the DSWA criteria for disposal of “Special Solid Wastes” at the Cherry Island Landfill.

We appreciate the opportunity to assist you with this project. If you would like to discuss the findings of the Limited Phase II SI, please call Jenna Harwanko or me at (302) 656-9600.

Sincerely,

BrightFields, Inc.

Sean Scanlon
Project Manager

Enclosures:
Figure 1 – Sample Location Map
Table 1 – Eurofins Analytical Results for Soil - PAHs
Table 2 – Eurofins Analytical Results for Soil – Metals
Table 3 – Eurofins Analytical Results for Special Waste Disposal
Attachment A – Eurofins Analytical Data Package (Electronic Only)

BrightFields, Inc.
Environmental Services

FIGURE

BrightFields, Inc.
Environmental Services

801 Industrial Street
Wilmington, Delaware 19801

302-656-9600
302-656-9700 fax

Sample Locations Map
Hicks Park
Wilmington, Delaware

	By	Date	Scale:	File Name:
Drawn	ADS	7/26/2022	1:720	Hicks Park.mxd
Checked	KEB	7/26/2022	Fig. No. Figure 1	
Project #	0658.160.21			

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BrightFields, Inc.
Environmental Services

TABLES

TABLE 1
Eurofins Analytical Results for Soil - PAHs
Barbara Hicks Park
Wilmington, DE

Sample ID Sampling Depth (ft - ft bgs) Sample Date Units	Delaware HSCA Screening Levels (Updated Feb 2022) mg/kg	BHP-HA01-COMP-S001 0.0 - 2.0 6/23/2022 mg/kg		BHP-HA03-COMP-S001 0.0 - 2.0 6/23/2022 mg/kg		BHP-HA03-COMP-S002 2.0 - 3.0 6/23/2022 mg/kg		BHP-HA05-COMP-S001 0.0 - 2.0 6/23/2022 mg/kg		BHP-HA07-COMP-S001 0.0 - 2.0 6/23/2022 mg/kg		BHP-HA07-COMP-S002 2.0 - 3.0 6/23/2022 mg/kg		BHP-HA08-COMP-S001 0.0 - 2.0 6/23/2022 mg/kg	
Polyaromatic Hydrocarbons (Method 8270C)															
2-Chloronaphthalene	480	0.029	J	0.017	U	0.065	J	0.018	U	0.018	J	0.02	U	0.02	U
2-Methylnaphthalene	24	0.1	J	0.013	J	0.031	J	0.86		0.13	J	0.014	J	0.54	
Acenaphthene	360	0.23	J	0.011	U	0.014	J	1.4		0.013	J	0.013	U	0.37	J
Acenaphthylene	NA	0.16	J	0.014	J	0.076	J	4.8		0.083	J	0.026	J	0.64	
Anthracene	1800	0.69		0.025	J	0.051	J	8		0.043	J	0.019	J	1.5	
Benzo[a]anthracene	1.1	1.1		0.13		0.25		21	D	0.4		0.22		3.7	
Benzo[a]pyrene	0.24	0.93		0.13		0.21		16	D	0.44		0.21		2.9	
Benzo[b]fluoranthene	1.1	1.4		0.18		0.31		21	D	1.4		0.36		4.2	
Benzo[g,h,i]perylene	NA	0.4	J	0.12	J	0.14	J	6.3		0.56		0.16	J	1.2	
Benzo[k]fluoranthene	11	0.47		0.071		0.11		6.6		0.3		0.13		1.5	
Chrysene	110	1.1		0.14	J	0.24	J	18	D	0.71		0.28	J	4	
Dibenz(a,h)anthracene	0.17	0.11		0.027	J	0.038	J	2.1		0.16		0.045		0.41	
Fluoranthene	240	2.7		0.21	J	0.41	J	46	D	0.49		0.37	J	8.2	
Fluorene	240	0.29	J	0.012	J	0.026	J	3.2		0.016	J	0.013	U	0.85	
Indeno[1,2,3-cd]pyrene	1.3	0.49		0.11		0.16		8.3		0.57		0.17		1.7	
Naphthalene	2	0.16	J	0.013	J	0.13	J	2.2		0.23	J	0.014	J	0.64	
Phenanthrene	180	2.8		0.084	J	0.19	J	32	D	0.23	J	0.063	J	6.9	
Pyrene	180	2.3		0.23	J	0.34	J	37	D	0.42		0.33	J	6.8	
Total Conc	NA	15.459		1.509		2.791		43.76		6.213		2.411		46.05	
No other PAHs were identified above laboratory method detection limits.															

HSCA - Hazardous Substance Cleanup Act

SNA - Sample not analyzed.

U - The compound was not detected at the indicated concentration.

J - The concentration given is an approximate value.

nca - No criteria available.

Shaded - Concentration exceeds respective DNREC Screening Level.

D - For diluted samples

TABLE 2
Eurofins Analytical Results for Soil - Metals
Barbara Hicks Park
Wilmington, DE

Sample ID Sampling Depth (ft - ft bgs) Sample Date Units	Delaware HSCA Screening Levels (Updated Feb 2022) mg/kg	BHP-HA01-COMP-S001 0.0 - 2.0 6/23/2022 mg/kg	BHP-HA01-COMP-S002 2.0 - 3.0 6/23/2022 mg/kg	BHP-HA02-COMP-S001 0.0 - 2.0 6/23/2022 mg/kg	BHP-HA03-COMP-S001 0.0 - 2.0 6/23/2022 mg/kg	BHP-HA03-COMP-S002 2.0 - 3.0 6/23/2022 mg/kg	BHP-HA04-COMP-S001 0.0 - 2.0 6/23/2022 mg/kg
TAL Metals (Method 6020B)							
Aluminum	51,200	3,140	2,450	16,100	12,700	6,170	6,720
Antimony	3	1.9 J	6.8	0.43 U	0.66 J	0.6 J	0.71 J
Arsenic	11	3.6 J	55.4	3.4	4.8	7.9	5.9
Barium	1,500	203	5,410	143	100	463	138
Beryllium	16	0.2 J	0.2 J	0.1 U	0.1 J	0.3 J	0.2 J
Cadmium	0.71	0.8 J	0.35 J	0.18 U	0.16 U	3.5	0.68 J
Calcium	nca	5,160	2,440	2,000	1,360	6,110	2,230
Chromium	214	33.9	97.5	48.5	29.2	33.5	16.9
Cobalt	34	4.4 J	38.3	11.4 J	7.4 J	6.8 J	5.8 J
Copper	310	35	325	26	134	243	140
Iron	74,767	5,550	307,000	23,600	30,900	31,200	27,200
Lead	400	291	1,580	82.1	152	315	314
Magnesium	nca	516 J	786 J	3,580	1,100	827 J	582 J
Manganese	2,100	92.0	1,640.0	398	212	147	197
Nickel	150	37.8	146.0	25.6	18.2	57.6	18.4
Potassium	nca	313 J	230 J	1,790	598 J	486 J	528 J
Selenium	39	1.5 U	5.4 J	1.4 U	1.3 U	1.6 U	1.7 J
Silver	39	0.2 U	0.3 U	0.2 U	0.2 U	0.2 U	0.3 J
Sodium	nca	192 J	154 J	64 U	59.1 U	202 J	94.3 J
Thallium	0.078	0.8 U	6.2	0.7 U	0.6 U	1.0 J	1.0 J
Vanadium	134	11 J	26.7	55.9	29.4	26.7	19
Zinc	2,300	380	2,530	119	167	723	267
Mercury (Method 7471B)							
Mercury (elemental)	1.1	0.6	0.9	0.2	0.1	2.4	0.1

HSCA - Hazardous Substance Cleanup Act

SNA - Sample not analyzed.

U - The compound was not detected at the indicated concentration.

J - The concentration given is an approximate value.

nca - No criteria available.

Shaded - Concentration exceeds respective DNREC Screening Level.

TABLE 2
Eurofins Analytical Results for Soil - Metals
Barbara Hicks Park
Wilmington, DE

Sample ID Sampling Depth (ft - ft bgs) Sample Date Units	Delaware HSCA Screening Levels (Updated Feb 2022) mg/kg	BHP-HA05-COMP-S001 0.0 - 2.0 6/23/2022 mg/kg	BHP-HA05-COMP-S002 2.0 - 3.0 6/23/2022 mg/kg	BHP-HA06-COMP-S001 0.0 - 2.0 6/23/2022 mg/kg	BHP-HA07-COMP-S001 0.0 - 2.0 6/23/2022 mg/kg	BHP-HA07-COMP-S002 2.0 - 3.0 6/23/2022 mg/kg	BHP-HA08-COMP-S001 0.0 - 2.0 6/23/2022 mg/kg	BHP-HA08-COMP-S002 2.0 - 3.0 6/23/2022 mg/kg
TAL Metals (Method 6020B)								
Aluminum	51,200	6,980	5,650	2,040	7,800	11,100	7,390	8,700
Antimony	3	1.9 J	0.54 U	0.41 J	46.1	12.7	5.1	4.9 F1
Arsenic	11	41.1	14	3.1	8.8	38.4	24.1	21
Barium	1,500	430	194	51	340	2,130	1,260	883 F1
Beryllium	16	0.2 J	0.4 J	0.1 J	0.1 J	0.3 J	0.4 J	0.3 J
Cadmium	0.71	2.7	0.76 J	0.16 U	1.5	3.0	1.4	0.95 J
Calcium	nca	41,000	6,610	1,710	3,620	5,250	4,680	5,800 F1
Chromium	214	42.1	21.7	7.4	41.8	102	68.5	57.4 F1
Cobalt	34	6.7 J	7.4 J	2.2 J	8.2 J	24.2	9.8 J	13.8
Copper	310	151	72	19	81	564	211	140
Iron	74,767	22,200	27,000	13,100	39,700	194,000	61,600	63,200
Lead	400	695	299	37	1,690	2,880	1,820	1,160
Magnesium	nca	4,630	1,130 J	574 J	703 J	1,370	1,380	1,670
Manganese	2,100	256	261	76.5	398	988	399	430
Nickel	150	19	23.3	6.6 J	26.1	71.3	34.1	35.1
Potassium	nca	584 J	590 J	136 J	433 J	1,860	650 J	543 J
Selenium	39	1.6 J	1.8 J	1.2 U	1.4 U	6.1	3.3 J	1.6 J
Silver	39	0.5 J	0.3 J	0.2 U	0.4 J	1.0 J	0.6 J	4.5 F1
Sodium	nca	115 J	296 J	56.3 U	83.3 J	614 J	134 J	177 J
Thallium	0.078	0.7 U	0.9 U	0.6 U	0.7 U	4.0 J	1.6 J	1.4 J
Vanadium	134	32.5	24.3	6.8 J	18.9	32.3	30.3	29.9
Zinc	2,300	622	389	43.9	583	1,380	1,900	925
Mercury (Method 7471B)								
Mercury (elemental)	1.1	1.1	0.3	0.02	0.2	0.04	1.5	0.6

HSCA - Hazardous Substance Cleanup Act

SNA - Sample not analyzed.

U - The compound was not detected at the indicated concentration.

J - The concentration given is an approximate value.

nca - No criteria available.

Shaded - Concentration exceeds respective DNREC Screening Level.

TABLE 3
Eurofins Analytical Results
Special Waste Disposal Sampling
Barbara Hicks Park Fence Line

Sample ID Sampling Date Matrix Analyte	DSWA Waste Criteria for Special Solid Wastes	Units	BHP-FENCE-COMP-S001 6/23/2022 Soil	
TCLP Metals				
Arsenic	5	mg/L	0.0248	U
Barium	100	mg/L	0.862	J
Cadmium	1	mg/L	0.0149	J
Chromium	5	mg/L	0.0249	U
Lead	5	mg/L	0.925	
Mercury	0.2	mg/L	0.000091	U
Selenium	1	mg/L	0.0351	U
Silver	5	mg/L	0.0159	U
TCLP VOCs				
1,1-Dichloroethene	0.7	mg/L	0.0026	U
1,2-Dichloroethane	0.5	mg/L	0.0043	U
2-Butanone (MEK)	200	mg/L	0.019	U
Benzene	0.5	mg/L	0.0020	U
Carbon tetrachloride	0.5	mg/L	0.0021	U
Chlorobenzene	100	mg/L	0.0038	U
Chloroform	6	mg/L	0.0033	U
Tetrachloroethene	0.7	mg/L	0.0025	U
Trichloroethene	0.5	mg/L	0.0031	U
Vinyl chloride	0.2	mg/L	0.0017	U
TCLP SVOCs				
1,4-Dichlorobenzene	7.5	mg/L	0.00044	U
2,4,5-Trichlorophenol	400	mg/L	0.00088	U
2,4,6-Trichlorophenol	2	mg/L	0.00086	U
2,4-Dinitrotoluene	0.13	mg/L	0.0010	U
2-Methylphenol	nca	mg/L	0.00067	U
3 & 4 Methylphenol	nca	mg/L	0.00064	U
Hexachlorobenzene	0.13	mg/L	0.00040	U
Hexachlorobutadiene	0.5	mg/L	0.00078	U
Hexachloroethane	3	mg/L	0.00080	U
Nitrobenzene	2	mg/L	0.00057	U
Pentachlorophenol	100	mg/L	0.0014	U
Pyridine	5	mg/L	0.0019	U
TCLP Pesticides & Herbicides				
Chlordane	0.03	mg/L	0.000055	U
Endrin	0.02	mg/L	0.0000040	U
gamma-BHC (Lindane)	0.4	mg/L	0.000012	U
Heptachlor	0.008	mg/L	0.0000030	U
Heptachlor epoxide	0.008	mg/L	0.0000050	U
Methoxychlor	10	mg/L	0.0000040	U
Toxaphene	0.5	mg/L	0.00011	U
2,4-D	10	mg/L	0.005	U
Silvex (2,4,5-TP)	1	mg/L	0.004	U
VOCs				
Benzene	0.5	mg/kg	0.035	U
Ethylbenzene	10	mg/kg	0.052	U
Toluene	5	mg/kg	0.043	U
Xylenes, Total	5	mg/kg	0.048	U
General Chemistry				
Burn Rate (ignitability)	> 2.2	mm/sec	2.2	U
Corrosivity	≤ 2 or ≥12.5	su	7.9	HF
Reactive Cyanide	250	mg/kg	25	U
Reactive Sulfide	500	mg/kg	20	U
Sulfate	nca	mg/kg	206	
Free Liquid (paint filter)	> 20% solids by weight	mL/100g	0.5	U
PCBs				
Total PCBs	< 50	mg/kg	0.023	U
No PCBs were identified above method detection limits				

Qualifiers:
U - Indicates the analyte was analyzed for but not detected.
J - The concentration is an approximate value.
HF - Field parameter with a holding time of 15 minutes.
NA - Not analyzed.
nca - No criteria available.

VOC -Volatile organic compound.
SVOC - Semivolatile organic compound.
TCLP - Toxicity characteristic leaching procedure.
PCB - Polychlorinated biphenyl.
DSWA - Delaware Solid Waste Authority.

BrightFields, Inc.
Environmental Services

Attachment A

Eurofins Analytical Data Package (Electronic Only)

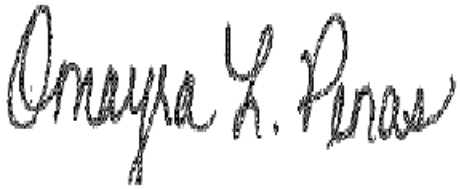
ANALYTICAL REPORT

Job Number: 460-260852-1

Job Description: Hicks Park Limited Phase 2

For:
BrightFields, Inc.
801 Industrial Street
Wilmington, DE 19801

Attention: Mr. Sean Scanlon



Approved for release.
Omayra Penas
Senior Project Manager
7/15/2022 7:31 AM

Omayra Penas, Senior Project Manager
777 New Durham Road, Edison, NJ, 08817
(732)593-2538
Omayra.Penas@et.eurofinsus.com
07/15/2022

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CASE NARRATIVE

Client: BrightFields, Inc.

Project: Hicks Park Limited Phase 2

Report Number: 460-260852-1

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.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

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
The samples were received on 6/24/2022 7:00 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.1º 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.

TCLP VOLATILE ORGANIC COMPOUNDS
Sample BHP-FENCE-COMP-S001 (460-260852-2) was analyzed for TCLP Volatile Organic Compounds in accordance with EPA SW-846 Method 8260D - TCLP/1311. The samples were leached on 06/29/2022 and analyzed on 06/30/2022.

The continuing calibration verification (CCV) associated with batch 460-852839 recovered above the upper control limit for 1,2-Dichloroethane. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported.

Sample BHP-FENCE-COMP-S001 (460-260852-2)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the TCLP volatiles analysis.

All other quality control parameters were within the acceptance limits.

VOLATILE ORGANIC COMPOUNDS (GC-MS)
Samples BHP-FENCE-COMP-S001 (460-260852-2) and BHP-FS-GRAB-S301 (460-260852-19) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260DEL. The samples were prepared on 06/27/2022 and analyzed on 06/29/2022.

No difficulties were encountered during the volatiles analysis.

All quality control parameters were within the acceptance limits.

TCLP CHLORINATED HERBICIDES
Sample BHP-FENCE-COMP-S001 (460-260852-2) was analyzed for TCLP chlorinated herbicides in accordance with EPA SW-846 Methods 1311/ 8151A. The samples were leached on 06/28/2022, prepared on 06/29/2022 and analyzed on 06/30/2022.

No difficulties were encountered during the TCLP herbicides analysis.

All quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC/MS)
Samples BHP-HA01-COMP-S001 (460-260852-3), BHP-HA03-COMP-S001 (460-260852-7), BHP-HA03-COMP-S002 (460-260852-8),

BHP-HA05-COMP-S001 (460-260852-11), BHP-HA07-COMP-S001 (460-260852-15), BHP-HA07-COMP-S002 (460-260852-16) and BHP-HA08-COMP-S001 (460-260852-17) were analyzed for semivolatile organic compounds (GC/MS) in accordance with EPA SW-846 Method 8270CDEL. The samples were prepared on 06/29/2022 and analyzed on 06/30/2022.

Several analytes failed the recovery criteria low for the MS/MSD of sample 460-260962-1 in batch 460-852810.

Refer to the QC report for details.

Samples BHP-HA05-COMP-S001 (460-260852-11)[10X] and BHP-HA05-COMP-S001 (460-260852-11)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the semivolatiles analysis.

All other quality control parameters were within the acceptance limits.

TCLP SEMIVOLATILE ORGANIC COMPOUNDS (GC/MS)
Sample BHP-FENCE-COMP-S001 (460-260852-2) was analyzed for TCLP semivolatile organic compounds (GC/MS) in accordance with EPA SW-846 Methods 8270E - TCLP/1311. The samples were leached on 06/28/2022, prepared on 06/29/2022 and analyzed on 06/30/2022.

No difficulties were encountered during the TCLP semivolatiles analysis.

All quality control parameters were within the acceptance limits.

TCLP PESTICIDES
Sample BHP-FENCE-COMP-S001 (460-260852-2) was analyzed for TCLP pesticides in accordance with EPA SW-846 Methods 1311/8081B. The samples were leached on 06/28/2022, and prepared and analyzed on 06/29/2022.

No difficulties were encountered during the TCLP pesticides analysis.

All quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS
Sample BHP-FENCE-COMP-S001 (460-260852-2) was analyzed for polychlorinated biphenyls in accordance with EPA SW-846 Method 8082A. The samples were prepared on 06/28/2022 and analyzed on 06/29/2022.

PCB-1260 failed the recovery criteria low for the MS of sample 460-260574-1 in batch 460-852608.

PCB-1016 and PCB-1260 failed the recovery criteria low for the MSD of sample 460-260574-1 in batch 460-852608.

Refer to the QC report for details.

No other difficulties were encountered during the PCBs analysis.

All other quality control parameters were within the acceptance limits.

TCLP METALS
Sample BHP-FENCE-COMP-S001 (460-260852-2) was analyzed for TCLP metals in accordance with 6010D. The samples were leached on 06/28/2022, and prepared and analyzed on 07/01/2022.

No difficulties were encountered during the TCLP metals analysis.

All quality control parameters were within the acceptance limits.

TOTAL METALS (ICP)
Samples BHP-HA01-COMP-S001 (460-260852-3), BHP-HA01-COMP-S002 (460-260852-4), BHP-HA02-COMP-S001 (460-260852-5), BHP-HA03-COMP-S001 (460-260852-7), BHP-HA03-COMP-S002 (460-260852-8), BHP-HA04-COMP-S001 (460-260852-9), BHP-HA05-COMP-S001 (460-260852-11), BHP-HA05-COMP-S002 (460-260852-12), BHP-HA06-COMP-S001 (460-260852-13), BHP-HA07-COMP-S001 (460-260852-15), BHP-HA07-COMP-S002 (460-260852-16), BHP-HA08-COMP-S001 (460-260852-17) and BHP-HA08-COMP-S002 (460-260852-18) were analyzed for Total Metals (ICP) in accordance with EPA SW-846 Methods 6010D. The samples were prepared on 06/29/2022 and analyzed on 06/30/2022.

Several analytes failed the recovery criteria low for the MS of sample BHP-HA08-COMP-S002MS (460-260852-18) in batch 460-852925. Chromium failed the recovery criteria high.

Several analytes exceeded the RPD limit for the duplicate of sample BHP-HA08-COMP-S002DU (460-260852-18).

Refer to the QC report for details.

Samples BHP-HA01-COMP-S001 (460-260852-3)[2X], BHP-HA01-COMP-S002 (460-260852-4)[10X], BHP-HA01-COMP-S002 (460-260852-4)[2X], BHP-HA02-COMP-S001 (460-260852-5)[2X], BHP-HA03-COMP-S001 (460-260852-7)[2X], BHP-HA03-COMP-S002 (460-260852-8)[2X], BHP-HA04-COMP-S001 (460-260852-9)[2X], BHP-HA05-COMP-S001 (460-260852-11)[2X], BHP-HA05-COMP-S002 (460-260852-12)[2X], BHP-HA06-COMP-S001 (460-260852-13)[2X], BHP-HA07-COMP-S001 (460-260852-15)[2X], BHP-HA07-COMP-S002 (460-260852-16)[10X], BHP-HA07-COMP-S002 (460-260852-16)[2X], BHP-HA08-COMP-S001 (460-260852-17)[2X] and BHP-HA08-COMP-S002 (460-260852-18)[2X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the Total Metals (ICP) analysis.

All other quality control parameters were within the acceptance limits.

TCLP MERCURY

Sample BHP-FENCE-COMP-S001 (460-260852-2) was analyzed for TCLP mercury in accordance with EPA SW-846 Methods 1311/7470A. The samples were leached on 06/28/2022, and prepared and analyzed on 06/29/2022.

No difficulties were encountered during the TCLP Hg analysis.

All quality control parameters were within the acceptance limits.

TOTAL MERCURY

Samples BHP-HA01-COMP-S001 (460-260852-3), BHP-HA01-COMP-S002 (460-260852-4), BHP-HA02-COMP-S001 (460-260852-5), BHP-HA03-COMP-S001 (460-260852-7), BHP-HA03-COMP-S002 (460-260852-8), BHP-HA04-COMP-S001 (460-260852-9), BHP-HA05-COMP-S001 (460-260852-11), BHP-HA05-COMP-S002 (460-260852-12), BHP-HA06-COMP-S001 (460-260852-13), BHP-HA07-COMP-S001 (460-260852-15), BHP-HA07-COMP-S002 (460-260852-16), BHP-HA08-COMP-S001 (460-260852-17) and BHP-HA08-COMP-S002 (460-260852-18) were analyzed for total mercury in accordance with EPA SW-846 Method 7471B. The samples were prepared and analyzed on 06/28/2022.

Samples BHP-HA03-COMP-S002 (460-260852-8)[5X], BHP-HA05-COMP-S001 (460-260852-11)[5X] and BHP-HA08-COMP-S001 (460-260852-17)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No difficulties were encountered during the Hg analysis.

All quality control parameters were within the acceptance limits.

REACTIVE CYANIDE

Sample BHP-FENCE-COMP-S001 (460-260852-2) was analyzed for reactive cyanide in accordance with EPA SW-846 Method 7.3.3/9014. The samples were prepared and analyzed on 07/01/2022.

No difficulties were encountered during the reactive cyanide analysis.

All quality control parameters were within the acceptance limits.

TOTAL SULFIDE

Sample BHP-FENCE-COMP-S001 (460-260852-2) was analyzed for total sulfide in accordance with EPA SW-846 Method 9030B/9034. The samples were prepared and analyzed on 07/08/2022.

Sulfide failed the recovery criteria low for the MS of sample BHP-FENCE-COMP-S001MS (460-260852-2) in batch 460-854322.

Sulfide failed the recovery criteria low for the MSD of sample BHP-FENCE-COMP-S001MSD (460-260852-2) in batch 460-854322.

The following sample was analyzed outside of analytical holding time due to lab error: BHP-FENCE-COMP-S001 (460-260852-2).

The presence of the '4' qualifier in the data indicates analytes where the concentration in the unspiked sample exceeded four times the spiking amount.

Refer to the QC report for details.

No other difficulties were encountered during the sulfide analysis.

All other quality control parameters were within the acceptance limits.

REACTIVE SULFIDE

Sample BHP-FENCE-COMP-S001 (460-260852-2) was analyzed for reactive sulfide in accordance with EPA SW-846 Method 7.3.4/9034. The samples were prepared and analyzed on 07/01/2022.

No difficulties were encountered during the reactive sulfide analysis.

All quality control parameters were within the acceptance limits.

ASTM SULFATE
Sample BHP-FENCE-COMP-S001 (460-260852-2) was analyzed for ASTM Sulfate in accordance with EPA SW846 Method 9038 by ASTM Leach D3987-85. The samples were leached on 06/29/2022 and analyzed on 07/05/2022.

No difficulties were encountered during the ASTM Sulfate analysis.

All quality control parameters were within the acceptance limits.

CORROSIVITY (PH)
Sample BHP-FENCE-COMP-S001 (460-260852-2) was analyzed for corrosivity (pH) in accordance with EPA SW-846 Method 9045D. The samples were analyzed on 06/28/2022.

No difficulties were encountered during the corrosivity (pH) analysis.

All quality control parameters were within the acceptance limits.

PAINT FILTER
Sample BHP-FENCE-COMP-S001 (460-260852-2) was analyzed for Paint Filter in accordance with EPA SW-846 Method 9095B. The samples were analyzed on 06/30/2022.

No difficulties were encountered during the Free Liquids analysis.

All quality control parameters were within the acceptance limits.

PERCENT SOLIDS/PERCENT MOISTURE
Samples BHP-FENCE-COMP-S001 (460-260852-2), BHP-HA01-COMP-S001 (460-260852-3), BHP-HA01-COMP-S002 (460-260852-4), BHP-HA02-COMP-S001 (460-260852-5), BHP-HA03-COMP-S001 (460-260852-7), BHP-HA03-COMP-S002 (460-260852-8), BHP-HA04-COMP-S001 (460-260852-9), BHP-HA05-COMP-S001 (460-260852-11), BHP-HA05-COMP-S002 (460-260852-12), BHP-HA06-COMP-S001 (460-260852-13), BHP-HA07-COMP-S001 (460-260852-15), BHP-HA07-COMP-S002 (460-260852-16), BHP-HA08-COMP-S001 (460-260852-17) and BHP-HA08-COMP-S002 (460-260852-18) were analyzed for percent solids/percent moisture in accordance with EPA Method CLPISM01.2 (Exhibit D) Modified. The samples were analyzed on 06/28/2022.

No difficulties were encountered during the %solids/moisture analysis.

All quality control parameters were within the acceptance limits.

Sample Summary

Client: BrightFields, Inc.
Job ID: 460-260852-1
Project/Site: Hicks Park Limited Phase 2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-260852-2	BHP-FENCE-COMP-S001	Solid	06/23/22 14:00	06/24/22 19:00
460-260852-3	BHP-HA01-COMP-S001	Solid	06/23/22 11:00	06/24/22 19:00
460-260852-4	BHP-HA01-COMP-S002	Solid	06/23/22 11:15	06/24/22 19:00
460-260852-5	BHP-HA02-COMP-S001	Solid	06/23/22 12:21	06/24/22 19:00
460-260852-7	BHP-HA03-COMP-S001	Solid	06/23/22 13:00	06/24/22 19:00
460-260852-8	BHP-HA03-COMP-S002	Solid	06/23/22 13:15	06/24/22 19:00
460-260852-9	BHP-HA04-COMP-S001	Solid	06/23/22 13:30	06/24/22 19:00
460-260852-11	BHP-HA05-COMP-S001	Solid	06/23/22 13:40	06/24/22 19:00
460-260852-12	BHP-HA05-COMP-S002	Solid	06/23/22 13:55	06/24/22 19:00
460-260852-13	BHP-HA06-COMP-S001	Solid	06/23/22 14:02	06/24/22 19:00
460-260852-15	BHP-HA07-COMP-S001	Solid	06/23/22 14:20	06/24/22 19:00
460-260852-16	BHP-HA07-COMP-S002	Solid	06/23/22 14:30	06/24/22 19:00
460-260852-17	BHP-HA08-COMP-S001	Solid	06/23/22 14:45	06/24/22 19:00
460-260852-18	BHP-HA08-COMP-S002	Solid	06/23/22 14:58	06/24/22 19:00
460-260852-19	BHP-FS-GRAB-S301	Solid	06/23/22 15:30	06/24/22 19:00

Detection Summary

Client: BrightFields, Inc.
Project/Site: Hicks Park Limited Phase 2

Job ID: 460-260852-1

Client Sample ID: BHP-FENCE-COMP-S001 — Lab Sample ID: 460-260852-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	862	J	1000	140	ug/L	5		6010D	TCLP
Cadmium	14.9	J	20.0	1.8	ug/L	5		6010D	TCLP
Lead	925		50.0	12.8	ug/L	5		6010D	TCLP
pH	7.9	HF			SU	1		9045D	Total/NA
Temperature	20.6	HF			Degrees C	1		9045D	Total/NA
Corrosivity	7.9	HF			SU	1		9045D	Total/NA
Sulfate	206		99.8	48.3	mg/Kg	1		9038	ASTM Leach

Client Sample ID: BHP-HA01-COMP-S001 — Lab Sample ID: 460-260852-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthylene	160	J	430	12	ug/Kg	1	☼	8270C	Total/NA
Anthracene	690		430	13	ug/Kg	1	☼	8270C	Total/NA
Benzo[a]anthracene	1100		43	15	ug/Kg	1	☼	8270C	Total/NA
Benzo[b]fluoranthene	1400		43	11	ug/Kg	1	☼	8270C	Total/NA
Benzo[a]pyrene	930		43	12	ug/Kg	1	☼	8270C	Total/NA
Benzo[g,h,i]perylene	400	J	430	13	ug/Kg	1	☼	8270C	Total/NA
Benzo[k]fluoranthene	470		43	8.5	ug/Kg	1	☼	8270C	Total/NA
Chrysene	1100		430	7.3	ug/Kg	1	☼	8270C	Total/NA
Dibenz(a,h)anthracene	110		43	19	ug/Kg	1	☼	8270C	Total/NA
Fluoranthene	2700		430	15	ug/Kg	1	☼	8270C	Total/NA
Naphthalene	160	J	430	7.5	ug/Kg	1	☼	8270C	Total/NA
Phenanthrene	2800		430	7.6	ug/Kg	1	☼	8270C	Total/NA
Pyrene	2300		430	11	ug/Kg	1	☼	8270C	Total/NA
Fluorene	290	J	430	13	ug/Kg	1	☼	8270C	Total/NA
Acenaphthene	230	J	430	12	ug/Kg	1	☼	8270C	Total/NA
Indeno[1,2,3-cd]pyrene	490		43	17	ug/Kg	1	☼	8270C	Total/NA
2-Chloronaphthalene	29	J	430	20	ug/Kg	1	☼	8270C	Total/NA
2-Methylnaphthalene	100	J	430	12	ug/Kg	1	☼	8270C	Total/NA
Aluminum	3140		50.0	3.8	mg/Kg	2	☼	6010D	Total/NA
Arsenic	3.6	J	3.7	0.78	mg/Kg	2	☼	6010D	Total/NA
Barium	203		50.0	1.9	mg/Kg	2	☼	6010D	Total/NA
Beryllium	0.20	J	0.50	0.055	mg/Kg	2	☼	6010D	Total/NA
Calcium	5160		1250	53.4	mg/Kg	2	☼	6010D	Total/NA
Cadmium	0.80	J	1.0	0.19	mg/Kg	2	☼	6010D	Total/NA
Cobalt	4.4	J	12.5	0.62	mg/Kg	2	☼	6010D	Total/NA
Chromium	33.9		2.5	0.27	mg/Kg	2	☼	6010D	Total/NA
Copper	34.8		6.2	0.45	mg/Kg	2	☼	6010D	Total/NA
Iron	5550		37.5	7.5	mg/Kg	2	☼	6010D	Total/NA
Potassium	313	J	1250	61.4	mg/Kg	2	☼	6010D	Total/NA
Magnesium	516	J	1250	74.2	mg/Kg	2	☼	6010D	Total/NA
Manganese	92.0		3.7	0.30	mg/Kg	2	☼	6010D	Total/NA
Sodium	192	J	1250	69.9	mg/Kg	2	☼	6010D	Total/NA
Nickel	37.8		10	0.35	mg/Kg	2	☼	6010D	Total/NA
Lead	291		2.5	0.66	mg/Kg	2	☼	6010D	Total/NA
Antimony	1.9	J	5.0	0.47	mg/Kg	2	☼	6010D	Total/NA
Vanadium	11.0	J	12.5	0.67	mg/Kg	2	☼	6010D	Total/NA
Zinc	380		7.5	0.43	mg/Kg	2	☼	6010D	Total/NA
Mercury	0.61		0.022	0.010	mg/Kg	1	☼	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: BrightFields, Inc.
Project/Site: Hicks Park Limited Phase 2

Job ID: 460-260852-1

Client Sample ID: BHP-HA01-COMP-S002 — Lab Sample ID: 460-260852-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	2450		61.0	4.6	mg/Kg	2	☼	6010D	Total/NA
Arsenic	55.4		4.6	0.95	mg/Kg	2	☼	6010D	Total/NA
Barium	5410		61.0	2.3	mg/Kg	2	☼	6010D	Total/NA
Beryllium	0.20	J	0.61	0.067	mg/Kg	2	☼	6010D	Total/NA
Calcium	2440		1530	65.1	mg/Kg	2	☼	6010D	Total/NA
Cadmium	0.35	J	1.2	0.24	mg/Kg	2	☼	6010D	Total/NA
Cobalt	38.3		15.3	0.76	mg/Kg	2	☼	6010D	Total/NA
Chromium	97.5		3.1	0.33	mg/Kg	2	☼	6010D	Total/NA
Copper	325		7.6	0.56	mg/Kg	2	☼	6010D	Total/NA
Iron	307000		229	45.8	mg/Kg	10	☼	6010D	Total/NA
Potassium	230	J	1530	74.9	mg/Kg	2	☼	6010D	Total/NA
Magnesium	786	J	1530	90.6	mg/Kg	2	☼	6010D	Total/NA
Manganese	1640		4.6	0.37	mg/Kg	2	☼	6010D	Total/NA
Sodium	154	J	1530	85.3	mg/Kg	2	☼	6010D	Total/NA
Nickel	146		12.2	0.43	mg/Kg	2	☼	6010D	Total/NA
Lead	1580		3.1	0.81	mg/Kg	2	☼	6010D	Total/NA
Antimony	6.8		6.1	0.57	mg/Kg	2	☼	6010D	Total/NA
Selenium	5.4	J	6.1	1.9	mg/Kg	2	☼	6010D	Total/NA
Thallium	6.2		6.1	0.91	mg/Kg	2	☼	6010D	Total/NA
Vanadium	26.7		15.3	0.82	mg/Kg	2	☼	6010D	Total/NA
Zinc	2530		9.2	0.53	mg/Kg	2	☼	6010D	Total/NA
Mercury	0.91		0.024	0.011	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: BHP-HA02-COMP-S001 — Lab Sample ID: 460-260852-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	16100		45.8	3.5	mg/Kg	2	☼	6010D	Total/NA
Arsenic	3.4		3.4	0.72	mg/Kg	2	☼	6010D	Total/NA
Barium	143		45.8	1.7	mg/Kg	2	☼	6010D	Total/NA
Calcium	2000		1150	48.9	mg/Kg	2	☼	6010D	Total/NA
Cobalt	11.4	J	11.5	0.57	mg/Kg	2	☼	6010D	Total/NA
Chromium	48.5		2.3	0.25	mg/Kg	2	☼	6010D	Total/NA
Copper	25.5		5.7	0.42	mg/Kg	2	☼	6010D	Total/NA
Iron	23600		34.4	6.9	mg/Kg	2	☼	6010D	Total/NA
Potassium	1790		1150	56.3	mg/Kg	2	☼	6010D	Total/NA
Magnesium	3580		1150	68.1	mg/Kg	2	☼	6010D	Total/NA
Manganese	398		3.4	0.27	mg/Kg	2	☼	6010D	Total/NA
Nickel	25.6		9.2	0.32	mg/Kg	2	☼	6010D	Total/NA
Lead	82.1		2.3	0.60	mg/Kg	2	☼	6010D	Total/NA
Vanadium	55.9		11.5	0.62	mg/Kg	2	☼	6010D	Total/NA
Zinc	119		6.9	0.40	mg/Kg	2	☼	6010D	Total/NA
Mercury	0.23		0.020	0.0092	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: BHP-HA03-COMP-S001 — Lab Sample ID: 460-260852-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthylene	14	J	370	11	ug/Kg	1	☼	8270C	Total/NA
Anthracene	25	J	370	11	ug/Kg	1	☼	8270C	Total/NA
Benzo[a]anthracene	130		37	13	ug/Kg	1	☼	8270C	Total/NA
Benzo[b]fluoranthene	180		37	9.7	ug/Kg	1	☼	8270C	Total/NA
Benzo[a]pyrene	130		37	10	ug/Kg	1	☼	8270C	Total/NA
Benzo[g,h,i]perylene	120	J	370	11	ug/Kg	1	☼	8270C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: BHP-HA03-COMP-S001 (Continued)
Lab Sample ID: 460-260852-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[k]fluoranthene	71		37	7.3	ug/Kg	1	☼	8270C	Total/NA
Chrysene	140	J	370	6.3	ug/Kg	1	☼	8270C	Total/NA
Dibenz(a,h)anthracene	27	J	37	16	ug/Kg	1	☼	8270C	Total/NA
Fluoranthene	210	J	370	13	ug/Kg	1	☼	8270C	Total/NA
Naphthalene	13	J	370	6.5	ug/Kg	1	☼	8270C	Total/NA
Phenanthrene	84	J	370	6.6	ug/Kg	1	☼	8270C	Total/NA
Pyrene	230	J	370	9.3	ug/Kg	1	☼	8270C	Total/NA
Fluorene	12	J	370	11	ug/Kg	1	☼	8270C	Total/NA
Indeno[1,2,3-cd]pyrene	110		37	15	ug/Kg	1	☼	8270C	Total/NA
2-Methylnaphthalene	13	J	370	10	ug/Kg	1	☼	8270C	Total/NA
Aluminum	12700		42.3	3.2	mg/Kg	2	☼	6010D	Total/NA
Arsenic	4.8		3.2	0.66	mg/Kg	2	☼	6010D	Total/NA
Barium	99.9		42.3	1.6	mg/Kg	2	☼	6010D	Total/NA
Beryllium	0.088	J	0.42	0.047	mg/Kg	2	☼	6010D	Total/NA
Calcium	1360		1060	45.1	mg/Kg	2	☼	6010D	Total/NA
Cobalt	7.4	J	10.6	0.53	mg/Kg	2	☼	6010D	Total/NA
Chromium	29.2		2.1	0.23	mg/Kg	2	☼	6010D	Total/NA
Copper	134		5.3	0.38	mg/Kg	2	☼	6010D	Total/NA
Iron	30900		31.7	6.4	mg/Kg	2	☼	6010D	Total/NA
Potassium	598	J	1060	51.9	mg/Kg	2	☼	6010D	Total/NA
Magnesium	1100		1060	62.8	mg/Kg	2	☼	6010D	Total/NA
Manganese	212		3.2	0.25	mg/Kg	2	☼	6010D	Total/NA
Nickel	18.2		8.5	0.30	mg/Kg	2	☼	6010D	Total/NA
Lead	152		2.1	0.56	mg/Kg	2	☼	6010D	Total/NA
Antimony	0.66	J	4.2	0.40	mg/Kg	2	☼	6010D	Total/NA
Vanadium	29.4		10.6	0.57	mg/Kg	2	☼	6010D	Total/NA
Zinc	167		6.3	0.37	mg/Kg	2	☼	6010D	Total/NA
Mercury	0.13		0.019	0.0090	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: BHP-HA03-COMP-S002
Lab Sample ID: 460-260852-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthylene	76	J	440	13	ug/Kg	1	☼	8270C	Total/NA
Anthracene	51	J	440	13	ug/Kg	1	☼	8270C	Total/NA
Benzo[a]anthracene	250		44	15	ug/Kg	1	☼	8270C	Total/NA
Benzo[b]fluoranthene	310		44	11	ug/Kg	1	☼	8270C	Total/NA
Benzo[a]pyrene	210		44	12	ug/Kg	1	☼	8270C	Total/NA
Benzo[g,h,i]perylene	140	J	440	13	ug/Kg	1	☼	8270C	Total/NA
Benzo[k]fluoranthene	110		44	8.7	ug/Kg	1	☼	8270C	Total/NA
Chrysene	240	J	440	7.5	ug/Kg	1	☼	8270C	Total/NA
Dibenz(a,h)anthracene	38	J	44	19	ug/Kg	1	☼	8270C	Total/NA
Fluoranthene	410	J	440	15	ug/Kg	1	☼	8270C	Total/NA
Naphthalene	130	J	440	7.6	ug/Kg	1	☼	8270C	Total/NA
Phenanthrene	190	J	440	7.8	ug/Kg	1	☼	8270C	Total/NA
Pyrene	340	J	440	11	ug/Kg	1	☼	8270C	Total/NA
Fluorene	26	J	440	13	ug/Kg	1	☼	8270C	Total/NA
Acenaphthene	14	J	440	13	ug/Kg	1	☼	8270C	Total/NA
Indeno[1,2,3-cd]pyrene	160		44	17	ug/Kg	1	☼	8270C	Total/NA
2-Chloronaphthalene	65	J	440	20	ug/Kg	1	☼	8270C	Total/NA
2-Methylnaphthalene	31	J	440	12	ug/Kg	1	☼	8270C	Total/NA
Aluminum	6170		50.8	3.8	mg/Kg	2	☼	6010D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: BHP-HA03-COMP-S002 (Continued)
Lab Sample ID: 460-260852-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	7.9		3.8	0.79	mg/Kg	2	☼	6010D	Total/NA
Barium	463		50.8	1.9	mg/Kg	2	☼	6010D	Total/NA
Beryllium	0.33	J	0.51	0.056	mg/Kg	2	☼	6010D	Total/NA
Calcium	6110		1270	54.2	mg/Kg	2	☼	6010D	Total/NA
Cadmium	3.5		1.0	0.20	mg/Kg	2	☼	6010D	Total/NA
Cobalt	6.8	J	12.7	0.63	mg/Kg	2	☼	6010D	Total/NA
Chromium	33.5		2.5	0.27	mg/Kg	2	☼	6010D	Total/NA
Copper	243		6.3	0.46	mg/Kg	2	☼	6010D	Total/NA
Iron	31200		38.1	7.6	mg/Kg	2	☼	6010D	Total/NA
Potassium	486	J	1270	62.3	mg/Kg	2	☼	6010D	Total/NA
Magnesium	827	J	1270	75.4	mg/Kg	2	☼	6010D	Total/NA
Manganese	147		3.8	0.30	mg/Kg	2	☼	6010D	Total/NA
Sodium	202	J	1270	71.0	mg/Kg	2	☼	6010D	Total/NA
Nickel	57.6		10.2	0.36	mg/Kg	2	☼	6010D	Total/NA
Lead	315		2.5	0.67	mg/Kg	2	☼	6010D	Total/NA
Antimony	0.60	J	5.1	0.48	mg/Kg	2	☼	6010D	Total/NA
Thallium	1.0	J	5.1	0.76	mg/Kg	2	☼	6010D	Total/NA
Vanadium	26.7		12.7	0.68	mg/Kg	2	☼	6010D	Total/NA
Zinc	723		7.6	0.44	mg/Kg	2	☼	6010D	Total/NA
Mercury	2.4		0.10	0.048	mg/Kg	5	☼	7471B	Total/NA

Client Sample ID: BHP-HA04-COMP-S001
Lab Sample ID: 460-260852-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Silver	0.30	J	2.3	0.19	mg/Kg	2	☼	6010D	Total/NA
Aluminum	6720		46.2	3.5	mg/Kg	2	☼	6010D	Total/NA
Arsenic	5.9		3.5	0.72	mg/Kg	2	☼	6010D	Total/NA
Barium	138		46.2	1.8	mg/Kg	2	☼	6010D	Total/NA
Beryllium	0.15	J	0.46	0.051	mg/Kg	2	☼	6010D	Total/NA
Calcium	2230		1160	49.3	mg/Kg	2	☼	6010D	Total/NA
Cadmium	0.68	J	0.92	0.18	mg/Kg	2	☼	6010D	Total/NA
Cobalt	5.8	J	11.6	0.58	mg/Kg	2	☼	6010D	Total/NA
Chromium	16.9		2.3	0.25	mg/Kg	2	☼	6010D	Total/NA
Copper	140		5.8	0.42	mg/Kg	2	☼	6010D	Total/NA
Iron	27200		34.7	6.9	mg/Kg	2	☼	6010D	Total/NA
Potassium	528	J	1160	56.7	mg/Kg	2	☼	6010D	Total/NA
Magnesium	582	J	1160	68.6	mg/Kg	2	☼	6010D	Total/NA
Manganese	197		3.5	0.28	mg/Kg	2	☼	6010D	Total/NA
Sodium	94.3	J	1160	64.6	mg/Kg	2	☼	6010D	Total/NA
Nickel	18.4		9.2	0.32	mg/Kg	2	☼	6010D	Total/NA
Lead	314		2.3	0.61	mg/Kg	2	☼	6010D	Total/NA
Antimony	0.71	J	4.6	0.44	mg/Kg	2	☼	6010D	Total/NA
Selenium	1.7	J	4.6	1.4	mg/Kg	2	☼	6010D	Total/NA
Thallium	1.0	J	4.6	0.69	mg/Kg	2	☼	6010D	Total/NA
Vanadium	19.0		11.6	0.62	mg/Kg	2	☼	6010D	Total/NA
Zinc	267		6.9	0.40	mg/Kg	2	☼	6010D	Total/NA
Mercury	0.13		0.019	0.0088	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: BHP-HA05-COMP-S001
Lab Sample ID: 460-260852-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthylene	4800		390	11	ug/Kg	1	☼	8270C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: BHP-HA05-COMP-S001 (Continued)
Lab Sample ID: 460-260852-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Anthracene	8000		390	12	ug/Kg	1	☼	8270C	Total/NA
Benzo[g,h,i]perylene	6300		390	12	ug/Kg	1	☼	8270C	Total/NA
Benzo[k]fluoranthene	6600		39	7.7	ug/Kg	1	☼	8270C	Total/NA
Dibenz(a,h)anthracene	2100		39	17	ug/Kg	1	☼	8270C	Total/NA
Naphthalene	2200		390	6.8	ug/Kg	1	☼	8270C	Total/NA
Fluorene	3200		390	12	ug/Kg	1	☼	8270C	Total/NA
Acenaphthene	1400		390	11	ug/Kg	1	☼	8270C	Total/NA
Indeno[1,2,3-cd]pyrene	8300		39	15	ug/Kg	1	☼	8270C	Total/NA
2-Methylnaphthalene	860		390	11	ug/Kg	1	☼	8270C	Total/NA
Benzo[a]anthracene - DL	21000	D	200	69	ug/Kg	5	☼	8270C	Total/NA
Benzo[b]fluoranthene - DL	21000	D	200	51	ug/Kg	5	☼	8270C	Total/NA
Benzo[a]pyrene - DL	16000	D	200	53	ug/Kg	5	☼	8270C	Total/NA
Chrysene - DL	18000	D	2000	33	ug/Kg	5	☼	8270C	Total/NA
Phenanthrene - DL	32000	D	2000	35	ug/Kg	5	☼	8270C	Total/NA
Pyrene - DL	37000	D	2000	49	ug/Kg	5	☼	8270C	Total/NA
Fluoranthene - DL2	46000	D	3900	140	ug/Kg	10	☼	8270C	Total/NA
Silver	0.49	J	2.3	0.19	mg/Kg	2	☼	6010D	Total/NA
Aluminum	6980		45.8	3.5	mg/Kg	2	☼	6010D	Total/NA
Arsenic	41.1		3.4	0.72	mg/Kg	2	☼	6010D	Total/NA
Barium	430		45.8	1.7	mg/Kg	2	☼	6010D	Total/NA
Beryllium	0.22	J	0.46	0.050	mg/Kg	2	☼	6010D	Total/NA
Calcium	41000		1150	48.9	mg/Kg	2	☼	6010D	Total/NA
Cadmium	2.7		0.92	0.18	mg/Kg	2	☼	6010D	Total/NA
Cobalt	6.7	J	11.5	0.57	mg/Kg	2	☼	6010D	Total/NA
Chromium	42.1		2.3	0.25	mg/Kg	2	☼	6010D	Total/NA
Copper	151		5.7	0.42	mg/Kg	2	☼	6010D	Total/NA
Iron	22200		34.4	6.9	mg/Kg	2	☼	6010D	Total/NA
Potassium	584	J	1150	56.3	mg/Kg	2	☼	6010D	Total/NA
Magnesium	4630		1150	68.1	mg/Kg	2	☼	6010D	Total/NA
Manganese	256		3.4	0.28	mg/Kg	2	☼	6010D	Total/NA
Sodium	115	J	1150	64.1	mg/Kg	2	☼	6010D	Total/NA
Nickel	19.0		9.2	0.32	mg/Kg	2	☼	6010D	Total/NA
Lead	695		2.3	0.61	mg/Kg	2	☼	6010D	Total/NA
Antimony	1.9	J	4.6	0.43	mg/Kg	2	☼	6010D	Total/NA
Selenium	1.6	J	4.6	1.4	mg/Kg	2	☼	6010D	Total/NA
Vanadium	32.5		11.5	0.62	mg/Kg	2	☼	6010D	Total/NA
Zinc	622		6.9	0.40	mg/Kg	2	☼	6010D	Total/NA
Mercury	1.1		0.096	0.045	mg/Kg	5	☼	7471B	Total/NA

Client Sample ID: BHP-HA05-COMP-S002
Lab Sample ID: 460-260852-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Silver	0.33	J	2.9	0.24	mg/Kg	2	☼	6010D	Total/NA
Aluminum	5650		57.7	4.4	mg/Kg	2	☼	6010D	Total/NA
Arsenic	14.0		4.3	0.90	mg/Kg	2	☼	6010D	Total/NA
Barium	194		57.7	2.2	mg/Kg	2	☼	6010D	Total/NA
Beryllium	0.38	J	0.58	0.064	mg/Kg	2	☼	6010D	Total/NA
Calcium	6610		1440	61.6	mg/Kg	2	☼	6010D	Total/NA
Cadmium	0.76	J	1.2	0.22	mg/Kg	2	☼	6010D	Total/NA
Cobalt	7.4	J	14.4	0.72	mg/Kg	2	☼	6010D	Total/NA
Chromium	21.7		2.9	0.31	mg/Kg	2	☼	6010D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: BHP-HA05-COMP-S002 (Continued)
Lab Sample ID: 460-260852-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Copper	71.6		7.2	0.53	mg/Kg	2	☼	6010D	Total/NA
Iron	27000		43.3	8.7	mg/Kg	2	☼	6010D	Total/NA
Potassium	590	J	1440	70.9	mg/Kg	2	☼	6010D	Total/NA
Magnesium	1130	J	1440	85.8	mg/Kg	2	☼	6010D	Total/NA
Manganese	261		4.3	0.35	mg/Kg	2	☼	6010D	Total/NA
Sodium	296	J	1440	80.7	mg/Kg	2	☼	6010D	Total/NA
Nickel	23.3		11.5	0.40	mg/Kg	2	☼	6010D	Total/NA
Lead	299		2.9	0.76	mg/Kg	2	☼	6010D	Total/NA
Selenium	1.8	J	5.8	1.8	mg/Kg	2	☼	6010D	Total/NA
Vanadium	24.3		14.4	0.78	mg/Kg	2	☼	6010D	Total/NA
Zinc	389		8.7	0.50	mg/Kg	2	☼	6010D	Total/NA
Mercury	0.33		0.025	0.012	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: BHP-HA06-COMP-S001
Lab Sample ID: 460-260852-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	2040		40.3	3.1	mg/Kg	2	☼	6010D	Total/NA
Arsenic	3.1		3.0	0.63	mg/Kg	2	☼	6010D	Total/NA
Barium	51.0		40.3	1.5	mg/Kg	2	☼	6010D	Total/NA
Beryllium	0.075	J	0.40	0.044	mg/Kg	2	☼	6010D	Total/NA
Calcium	1710		1010	43.0	mg/Kg	2	☼	6010D	Total/NA
Cobalt	2.2	J	10.1	0.50	mg/Kg	2	☼	6010D	Total/NA
Chromium	7.4		2.0	0.22	mg/Kg	2	☼	6010D	Total/NA
Copper	18.6		5.0	0.37	mg/Kg	2	☼	6010D	Total/NA
Iron	13100		30.2	6.1	mg/Kg	2	☼	6010D	Total/NA
Potassium	136	J	1010	49.5	mg/Kg	2	☼	6010D	Total/NA
Magnesium	574	J	1010	59.8	mg/Kg	2	☼	6010D	Total/NA
Manganese	76.5		3.0	0.24	mg/Kg	2	☼	6010D	Total/NA
Nickel	6.6	J	8.1	0.28	mg/Kg	2	☼	6010D	Total/NA
Lead	37.3		2.0	0.53	mg/Kg	2	☼	6010D	Total/NA
Antimony	0.41	J	4.0	0.38	mg/Kg	2	☼	6010D	Total/NA
Vanadium	6.8	J	10.1	0.54	mg/Kg	2	☼	6010D	Total/NA
Zinc	43.9		6.0	0.35	mg/Kg	2	☼	6010D	Total/NA
Mercury	0.019		0.018	0.0085	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: BHP-HA07-COMP-S001
Lab Sample ID: 460-260852-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthylene	83	J	380	11	ug/Kg	1	☼	8270C	Total/NA
Anthracene	43	J	380	12	ug/Kg	1	☼	8270C	Total/NA
Benzo[a]anthracene	400		38	13	ug/Kg	1	☼	8270C	Total/NA
Benzo[b]fluoranthene	1400		38	9.9	ug/Kg	1	☼	8270C	Total/NA
Benzo[a]pyrene	440		38	10	ug/Kg	1	☼	8270C	Total/NA
Benzo[g,h,i]perylene	560		380	11	ug/Kg	1	☼	8270C	Total/NA
Benzo[k]fluoranthene	300		38	7.5	ug/Kg	1	☼	8270C	Total/NA
Chrysene	710		380	6.5	ug/Kg	1	☼	8270C	Total/NA
Dibenz(a,h)anthracene	160		38	17	ug/Kg	1	☼	8270C	Total/NA
Fluoranthene	490		380	13	ug/Kg	1	☼	8270C	Total/NA
Naphthalene	230	J	380	6.6	ug/Kg	1	☼	8270C	Total/NA
Phenanthrene	230	J	380	6.7	ug/Kg	1	☼	8270C	Total/NA
Pyrene	420		380	9.5	ug/Kg	1	☼	8270C	Total/NA
Fluorene	16	J	380	11	ug/Kg	1	☼	8270C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: BHP-HA07-COMP-S001 (Continued)
Lab Sample ID: 460-260852-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	13	J	380	11	ug/Kg	1	☼	8270C	Total/NA
Indeno[1,2,3-cd]pyrene	570		38	15	ug/Kg	1	☼	8270C	Total/NA
2-Chloronaphthalene	18	J	380	18	ug/Kg	1	☼	8270C	Total/NA
2-Methylnaphthalene	130	J	380	11	ug/Kg	1	☼	8270C	Total/NA
Silver	0.40	J	2.3	0.18	mg/Kg	2	☼	6010D	Total/NA
Aluminum	7800		45.0	3.4	mg/Kg	2	☼	6010D	Total/NA
Arsenic	8.8		3.4	0.70	mg/Kg	2	☼	6010D	Total/NA
Barium	340		45.0	1.7	mg/Kg	2	☼	6010D	Total/NA
Beryllium	0.14	J	0.45	0.050	mg/Kg	2	☼	6010D	Total/NA
Calcium	3620		1130	48.1	mg/Kg	2	☼	6010D	Total/NA
Cadmium	1.5		0.90	0.17	mg/Kg	2	☼	6010D	Total/NA
Cobalt	8.2	J	11.3	0.56	mg/Kg	2	☼	6010D	Total/NA
Chromium	41.8		2.3	0.24	mg/Kg	2	☼	6010D	Total/NA
Copper	81.3		5.6	0.41	mg/Kg	2	☼	6010D	Total/NA
Iron	39700		33.8	6.8	mg/Kg	2	☼	6010D	Total/NA
Potassium	433	J	1130	55.3	mg/Kg	2	☼	6010D	Total/NA
Magnesium	703	J	1130	66.9	mg/Kg	2	☼	6010D	Total/NA
Manganese	398		3.4	0.27	mg/Kg	2	☼	6010D	Total/NA
Sodium	83.3	J	1130	62.9	mg/Kg	2	☼	6010D	Total/NA
Nickel	26.1		9.0	0.32	mg/Kg	2	☼	6010D	Total/NA
Lead	1690		2.3	0.59	mg/Kg	2	☼	6010D	Total/NA
Antimony	46.1		4.5	0.42	mg/Kg	2	☼	6010D	Total/NA
Vanadium	18.9		11.3	0.60	mg/Kg	2	☼	6010D	Total/NA
Zinc	583		6.8	0.39	mg/Kg	2	☼	6010D	Total/NA
Mercury	0.22		0.019	0.0091	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: BHP-HA07-COMP-S002
Lab Sample ID: 460-260852-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthylene	26	J	440	13	ug/Kg	1	☼	8270C	Total/NA
Anthracene	19	J	440	13	ug/Kg	1	☼	8270C	Total/NA
Benzo[a]anthracene	220		44	15	ug/Kg	1	☼	8270C	Total/NA
Benzo[b]fluoranthene	360		44	11	ug/Kg	1	☼	8270C	Total/NA
Benzo[a]pyrene	210		44	12	ug/Kg	1	☼	8270C	Total/NA
Benzo[g,h,i]perylene	160	J	440	13	ug/Kg	1	☼	8270C	Total/NA
Benzo[k]fluoranthene	130		44	8.6	ug/Kg	1	☼	8270C	Total/NA
Chrysene	280	J	440	7.4	ug/Kg	1	☼	8270C	Total/NA
Dibenz(a,h)anthracene	45		44	19	ug/Kg	1	☼	8270C	Total/NA
Fluoranthene	370	J	440	15	ug/Kg	1	☼	8270C	Total/NA
Naphthalene	14	J	440	7.6	ug/Kg	1	☼	8270C	Total/NA
Phenanthrene	63	J	440	7.7	ug/Kg	1	☼	8270C	Total/NA
Pyrene	330	J	440	11	ug/Kg	1	☼	8270C	Total/NA
Indeno[1,2,3-cd]pyrene	170		44	17	ug/Kg	1	☼	8270C	Total/NA
2-Methylnaphthalene	14	J	440	12	ug/Kg	1	☼	8270C	Total/NA
Silver	0.97	J	2.5	0.21	mg/Kg	2	☼	6010D	Total/NA
Aluminum	11100		50.6	3.8	mg/Kg	2	☼	6010D	Total/NA
Arsenic	38.4		3.8	0.79	mg/Kg	2	☼	6010D	Total/NA
Barium	2130		50.6	1.9	mg/Kg	2	☼	6010D	Total/NA
Beryllium	0.30	J	0.51	0.056	mg/Kg	2	☼	6010D	Total/NA
Calcium	5250		1270	54.0	mg/Kg	2	☼	6010D	Total/NA
Cadmium	3.0		1.0	0.20	mg/Kg	2	☼	6010D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: BHP-HA07-COMP-S002 (Continued)
Lab Sample ID: 460-260852-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	24.2		12.7	0.63	mg/Kg	2	☼	6010D	Total/NA
Chromium	102		2.5	0.27	mg/Kg	2	☼	6010D	Total/NA
Copper	564		6.3	0.46	mg/Kg	2	☼	6010D	Total/NA
Iron	194000		190	38.0	mg/Kg	10	☼	6010D	Total/NA
Potassium	1860		1270	62.1	mg/Kg	2	☼	6010D	Total/NA
Magnesium	1370		1270	75.2	mg/Kg	2	☼	6010D	Total/NA
Manganese	988		3.8	0.30	mg/Kg	2	☼	6010D	Total/NA
Sodium	614	J	1270	70.7	mg/Kg	2	☼	6010D	Total/NA
Nickel	71.3		10.1	0.35	mg/Kg	2	☼	6010D	Total/NA
Lead	2880		2.5	0.67	mg/Kg	2	☼	6010D	Total/NA
Antimony	12.7		5.1	0.48	mg/Kg	2	☼	6010D	Total/NA
Selenium	6.1		5.1	1.6	mg/Kg	2	☼	6010D	Total/NA
Thallium	4.0	J	5.1	0.76	mg/Kg	2	☼	6010D	Total/NA
Vanadium	32.3		12.7	0.68	mg/Kg	2	☼	6010D	Total/NA
Zinc	1380		7.6	0.44	mg/Kg	2	☼	6010D	Total/NA
Mercury	0.037		0.021	0.010	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: BHP-HA08-COMP-S001
Lab Sample ID: 460-260852-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthylene	640		430	12	ug/Kg	1	☼	8270C	Total/NA
Anthracene	1500		430	13	ug/Kg	1	☼	8270C	Total/NA
Benzo[a]anthracene	3700		43	15	ug/Kg	1	☼	8270C	Total/NA
Benzo[b]fluoranthene	4200		43	11	ug/Kg	1	☼	8270C	Total/NA
Benzo[a]pyrene	2900		43	11	ug/Kg	1	☼	8270C	Total/NA
Benzo[g,h,i]perylene	1200		430	13	ug/Kg	1	☼	8270C	Total/NA
Benzo[k]fluoranthene	1500		43	8.5	ug/Kg	1	☼	8270C	Total/NA
Chrysene	4000		430	7.3	ug/Kg	1	☼	8270C	Total/NA
Dibenz(a,h)anthracene	410		43	19	ug/Kg	1	☼	8270C	Total/NA
Fluoranthene	8200		430	15	ug/Kg	1	☼	8270C	Total/NA
Naphthalene	640		430	7.5	ug/Kg	1	☼	8270C	Total/NA
Phenanthrene	6900		430	7.6	ug/Kg	1	☼	8270C	Total/NA
Pyrene	6800		430	11	ug/Kg	1	☼	8270C	Total/NA
Fluorene	850		430	13	ug/Kg	1	☼	8270C	Total/NA
Acenaphthene	370	J	430	12	ug/Kg	1	☼	8270C	Total/NA
Indeno[1,2,3-cd]pyrene	1700		43	17	ug/Kg	1	☼	8270C	Total/NA
2-Methylnaphthalene	540		430	12	ug/Kg	1	☼	8270C	Total/NA
Silver	0.60	J	2.5	0.20	mg/Kg	2	☼	6010D	Total/NA
Aluminum	7390		49.7	3.8	mg/Kg	2	☼	6010D	Total/NA
Arsenic	24.1		3.7	0.78	mg/Kg	2	☼	6010D	Total/NA
Barium	1260		49.7	1.9	mg/Kg	2	☼	6010D	Total/NA
Beryllium	0.41	J	0.50	0.055	mg/Kg	2	☼	6010D	Total/NA
Calcium	4680		1240	53.0	mg/Kg	2	☼	6010D	Total/NA
Cadmium	1.4		0.99	0.19	mg/Kg	2	☼	6010D	Total/NA
Cobalt	9.8	J	12.4	0.62	mg/Kg	2	☼	6010D	Total/NA
Chromium	68.5		2.5	0.27	mg/Kg	2	☼	6010D	Total/NA
Copper	211		6.2	0.45	mg/Kg	2	☼	6010D	Total/NA
Iron	61600		37.2	7.5	mg/Kg	2	☼	6010D	Total/NA
Potassium	650	J	1240	61.0	mg/Kg	2	☼	6010D	Total/NA
Magnesium	1380		1240	73.8	mg/Kg	2	☼	6010D	Total/NA
Manganese	399		3.7	0.30	mg/Kg	2	☼	6010D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: BHP-HA08-COMP-S001 (Continued)
Lab Sample ID: 460-260852-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sodium	134	J	1240	69.4	mg/Kg	2	☼	6010D	Total/NA
Nickel	34.1		9.9	0.35	mg/Kg	2	☼	6010D	Total/NA
Lead	1820		2.5	0.66	mg/Kg	2	☼	6010D	Total/NA
Antimony	5.1		5.0	0.47	mg/Kg	2	☼	6010D	Total/NA
Selenium	3.3	J	5.0	1.5	mg/Kg	2	☼	6010D	Total/NA
Thallium	1.6	J	5.0	0.74	mg/Kg	2	☼	6010D	Total/NA
Vanadium	30.3		12.4	0.67	mg/Kg	2	☼	6010D	Total/NA
Zinc	1900		7.4	0.43	mg/Kg	2	☼	6010D	Total/NA
Mercury	1.5		0.11	0.050	mg/Kg	5	☼	7471B	Total/NA

Client Sample ID: BHP-HA08-COMP-S002
Lab Sample ID: 460-260852-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Silver	4.5	F1	2.4	0.20	mg/Kg	2	☼	6010D	Total/NA
Aluminum	8700		48.5	3.7	mg/Kg	2	☼	6010D	Total/NA
Arsenic	21.0		3.6	0.76	mg/Kg	2	☼	6010D	Total/NA
Barium	883	F1	48.5	1.8	mg/Kg	2	☼	6010D	Total/NA
Beryllium	0.34	J	0.48	0.053	mg/Kg	2	☼	6010D	Total/NA
Calcium	5800	F1	1210	51.7	mg/Kg	2	☼	6010D	Total/NA
Cadmium	0.95	J	0.97	0.19	mg/Kg	2	☼	6010D	Total/NA
Cobalt	13.8		12.1	0.61	mg/Kg	2	☼	6010D	Total/NA
Chromium	57.4	F1	2.4	0.26	mg/Kg	2	☼	6010D	Total/NA
Copper	140		6.1	0.44	mg/Kg	2	☼	6010D	Total/NA
Iron	63200		36.3	7.3	mg/Kg	2	☼	6010D	Total/NA
Potassium	543	J	1210	59.5	mg/Kg	2	☼	6010D	Total/NA
Magnesium	1670		1210	72.0	mg/Kg	2	☼	6010D	Total/NA
Manganese	430		3.6	0.29	mg/Kg	2	☼	6010D	Total/NA
Sodium	177	J	1210	67.7	mg/Kg	2	☼	6010D	Total/NA
Nickel	35.1		9.7	0.34	mg/Kg	2	☼	6010D	Total/NA
Lead	1160		2.4	0.64	mg/Kg	2	☼	6010D	Total/NA
Antimony	4.9	F1	4.8	0.46	mg/Kg	2	☼	6010D	Total/NA
Selenium	1.6	J	4.8	1.5	mg/Kg	2	☼	6010D	Total/NA
Thallium	1.4	J	4.8	0.72	mg/Kg	2	☼	6010D	Total/NA
Vanadium	29.9		12.1	0.65	mg/Kg	2	☼	6010D	Total/NA
Zinc	925		7.3	0.42	mg/Kg	2	☼	6010D	Total/NA
Mercury	0.61		0.021	0.0097	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: BHP-FS-GRAB-S301
Lab Sample ID: 460-260852-19

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: BrightFields, Inc. Job ID: 460-260852-1
Project/Site: Hicks Park Limited Phase 2

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organics (GC/MS)	SW846	TAL EDI
8260D	Volatile Organic Compounds by GC/MS	SW846	TAL EDI
8270C	Semivolatile Organics (GC/MS)	SW846	TAL EDI
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	TAL EDI
8081B	Organochlorine Pesticides (GC)	SW846	TAL EDI
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL EDI
8151A	Herbicides (GC)	SW846	TAL EDI
6010D	Metals (ICP)	SW846	TAL EDI
7470A	Mercury (CVAA)	SW846	TAL EDI
7471B	Mercury (CVAA)	SW846	TAL EDI
9014	Cyanide, Reactive	SW846	TAL EDI
9034	Sulfide, Acid Soluble and Insoluble (Titrimetric)	SW846	TAL EDI
9034	Sulfide, Reactive	SW846	TAL EDI
9038	Sulfate, Turbidimetric	SW846	TAL EDI
9045D	pH	SW846	TAL EDI
9095B	Paint Filter	SW846	TAL EDI
Moisture	Percent Moisture	EPA	TAL EDI
1311	TCLP Extraction	SW846	TAL EDI
3010A	Preparation, Total Metals	SW846	TAL EDI
3050B	Preparation, Metals	SW846	TAL EDI
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL EDI
3546	Microwave Extraction	SW846	TAL EDI
5030C	Purge and Trap	SW846	TAL EDI
5035	Closed System Purge and Trap	SW846	TAL EDI
7.3.3	Cyanide, Reactive	SW846	TAL EDI
7.3.4	Sulfide, Reactive	SW846	TAL EDI
7470A	Preparation, Mercury	SW846	TAL EDI
7471B	Preparation, Mercury	SW846	TAL EDI
8151A	Extraction (Herbicides)	SW846	TAL EDI
9030B	Sulfide, Distillation (Acid Soluble and Insoluble)	SW846	TAL EDI
D3987-85	ASTM Leaching Procedure	ASTM	TAL EDI

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

Laboratory References:

TAL EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Client Sample ID: BHP-FENCE-COMP-S001
Lab Sample ID: 460-260852-2

Date Collected: 06/23/22 14:00
Matrix: Solid
Date Received: 06/24/22 19:00

Method: 8260D - Volatile Organic Compounds by GC/MS - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.0026	U	0.010	0.0026	mg/L			06/30/22 11:20	10
1,2-Dichloroethane	0.0043	U	0.010	0.0043	mg/L			06/30/22 11:20	10
2-Butanone (MEK)	0.019	U	0.050	0.019	mg/L			06/30/22 11:20	10
Benzene	0.0020	U	0.010	0.0020	mg/L			06/30/22 11:20	10
Carbon tetrachloride	0.0021	U	0.010	0.0021	mg/L			06/30/22 11:20	10
Chlorobenzene	0.0038	U	0.010	0.0038	mg/L			06/30/22 11:20	10
Chloroform	0.0033	U	0.010	0.0033	mg/L			06/30/22 11:20	10
Tetrachloroethene	0.0025	U	0.010	0.0025	mg/L			06/30/22 11:20	10
Trichloroethene	0.0031	U	0.010	0.0031	mg/L			06/30/22 11:20	10
Vinyl chloride	0.0017	U	0.010	0.0017	mg/L			06/30/22 11:20	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*70 - 128*		*06/30/22 11:20*	*10*
4-Bromofluorobenzene	*88*		*76 - 120*		*06/30/22 11:20*	*10*
Dibromofluoromethane (Surr)	*101*		*77 - 124*		*06/30/22 11:20*	*10*
Toluene-d8 (Surr)	*93*		*80 - 120*		*06/30/22 11:20*	*10*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.00044	U	0.010	0.00044	mg/L		06/29/22 09:31	06/30/22 02:27	1
2,4,5-Trichlorophenol	0.00088	U	0.010	0.00088	mg/L		06/29/22 09:31	06/30/22 02:27	1
2,4,6-Trichlorophenol	0.00086	U	0.010	0.00086	mg/L		06/29/22 09:31	06/30/22 02:27	1
2,4-Dinitrotoluene	0.0010	U	0.0020	0.0010	mg/L		06/29/22 09:31	06/30/22 02:27	1
2-Methylphenol	0.00067	U	0.010	0.00067	mg/L		06/29/22 09:31	06/30/22 02:27	1
3 & 4 Methylphenol	0.00064	U	0.010	0.00064	mg/L		06/29/22 09:31	06/30/22 02:27	1
Hexachlorobenzene	0.00040	U	0.0010	0.00040	mg/L		06/29/22 09:31	06/30/22 02:27	1
Hexachlorobutadiene	0.00078	U	0.0020	0.00078	mg/L		06/29/22 09:31	06/30/22 02:27	1
Hexachloroethane	0.00080	U	0.0020	0.00080	mg/L		06/29/22 09:31	06/30/22 02:27	1
Nitrobenzene	0.00057	U	0.0010	0.00057	mg/L		06/29/22 09:31	06/30/22 02:27	1
Pentachlorophenol	0.0014	U	0.030	0.0014	mg/L		06/29/22 09:31	06/30/22 02:27	1
Pyridine	0.0019	U	0.010	0.0019	mg/L		06/29/22 09:31	06/30/22 02:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*135*		*37 - 150*	*06/29/22 09:31*	*06/30/22 02:27*	*1*
2-Fluorobiphenyl	*104*		*46 - 139*	*06/29/22 09:31*	*06/30/22 02:27*	*1*
2-Fluorophenol (Surr)	*44*		*19 - 80*	*06/29/22 09:31*	*06/30/22 02:27*	*1*
Nitrobenzene-d5 (Surr)	*107*		*52 - 137*	*06/29/22 09:31*	*06/30/22 02:27*	*1*
Phenol-d5 (Surr)	*29*		*10 - 56*	*06/29/22 09:31*	*06/30/22 02:27*	*1*
Terphenyl-d14 (Surr)	*71*		*22 - 150*	*06/29/22 09:31*	*06/30/22 02:27*	*1*

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.000055	U	0.0050	0.000055	mg/L		06/29/22 09:15	06/29/22 22:29	1
Endrin	0.0000040	U	0.00050	0.0000040	mg/L		06/29/22 09:15	06/29/22 22:29	1
gamma-BHC (Lindane)	0.000012	U	0.00050	0.000012	mg/L		06/29/22 09:15	06/29/22 22:29	1
Heptachlor	0.0000030	U	0.00050	0.0000030	mg/L		06/29/22 09:15	06/29/22 22:29	1
Heptachlor epoxide	0.0000050	U	0.00050	0.0000050	mg/L		06/29/22 09:15	06/29/22 22:29	1
Methoxychlor	0.0000040	U	0.00050	0.0000040	mg/L		06/29/22 09:15	06/29/22 22:29	1
Toxaphene	0.00011	U	0.0050	0.00011	mg/L		06/29/22 09:15	06/29/22 22:29	1

Client Sample ID: BHP-FENCE-COMP-S001 — Lab Sample ID: 460-260852-2

Date Collected: 06/23/22 14:00 — **Matrix: Solid**
Date Received: 06/24/22 19:00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*79*		*15 - 121*	*06/29/22 09:15*	*06/29/22 22:29*	*1*
DCB Decachlorobiphenyl	*90*		*15 - 121*	*06/29/22 09:15*	*06/29/22 22:29*	*1*
Tetrachloro-m-xylene	*75*		*17 - 120*	*06/29/22 09:15*	*06/29/22 22:29*	*1*
Tetrachloro-m-xylene	*70*		*17 - 120*	*06/29/22 09:15*	*06/29/22 22:29*	*1*

Method: 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.0050	U	0.083	0.0050	mg/L		06/29/22 09:05	06/30/22 07:14	1
Silvex (2,4,5-TP)	0.0040	U	0.083	0.0040	mg/L		06/29/22 09:05	06/30/22 07:14	1
2,4,5-T	0.0020	U	0.083	0.0020	mg/L		06/29/22 09:05	06/30/22 07:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*52*		*10 - 150*	*06/29/22 09:05*	*06/30/22 07:14*	*1*
2,4-Dichlorophenylacetic acid	*51*		*10 - 150*	*06/29/22 09:05*	*06/30/22 07:14*	*1*

Method: 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	15.9	U	50.0	15.9	ug/L		07/01/22 09:47	07/01/22 15:46	5
Arsenic	24.8	U	75.0	24.8	ug/L		07/01/22 09:47	07/01/22 15:46	5
Barium	**862**	**J**	1000	140	ug/L		07/01/22 09:47	07/01/22 15:46	5
Cadmium	**14.9**	**J**	20.0	1.8	ug/L		07/01/22 09:47	07/01/22 15:46	5
Chromium	24.9	U	50.0	24.9	ug/L		07/01/22 09:47	07/01/22 15:46	5
Lead	**925**		50.0	12.8	ug/L		07/01/22 09:47	07/01/22 15:46	5
Selenium	35.1	U	100	35.1	ug/L		07/01/22 09:47	07/01/22 15:46	5

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.091	U	0.20	0.091	ug/L		06/29/22 15:23	06/29/22 17:16	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.9**	**HF**			SU			06/28/22 12:34	1
Temperature	**20.6**	**HF**			Degrees C			06/28/22 12:34	1
Corrosivity	**7.9**	**HF**			SU			06/28/22 12:34	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		07/01/22 12:05	07/01/22 15:39	1
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		07/01/22 12:03	07/01/22 15:36	1
Free Liquid	0.500	U	0.500	0.500	mL/100g			06/30/22 11:38	1

General Chemistry - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**206**		99.8	48.3	mg/Kg			07/05/22 10:17	1

Client Sample ID: BHP-FENCE-COMP-S001 — Lab Sample ID: 460-260852-2

Date Collected: 06/23/22 14:00 — **Matrix: Solid**
Date Received: 06/24/22 19:00 — **Percent Solids: 77.0**

Method: 8260B - Volatile Organics (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	35	U	170	35	ug/Kg	☼	06/27/22 17:20	06/29/22 20:16	50
Toluene	43	U	170	43	ug/Kg	☼	06/27/22 17:20	06/29/22 20:16	50
Ethylbenzene	52	U	170	52	ug/Kg	☼	06/27/22 17:20	06/29/22 20:16	50

Client Sample ID: BHP-FENCE-COMP-S001
Lab Sample ID: 460-260852-2
Date Collected: 06/23/22 14:00
Matrix: Solid
Date Received: 06/24/22 19:00
Percent Solids: 77.0

Method: 8260B - Volatile Organics (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	48	U	340	48	ug/Kg	☼	06/27/22 17:20	06/29/22 20:16	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*83*		*68 - 150*	*06/27/22 17:20*	*06/29/22 20:16*	*50*
4-Bromofluorobenzene	*83*		*70 - 150*	*06/27/22 17:20*	*06/29/22 20:16*	*50*
Toluene-d8 (Surr)	*89*		*80 - 147*	*06/27/22 17:20*	*06/29/22 20:16*	*50*
Dibromofluoromethane (Surr)	*75*		*68 - 150*	*06/27/22 17:20*	*06/29/22 20:16*	*50*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	23	U	87	23	ug/Kg	☼	06/28/22 19:20	06/29/22 12:39	1
PCB-1221	23	U	87	23	ug/Kg	☼	06/28/22 19:20	06/29/22 12:39	1
PCB-1232	23	U	87	23	ug/Kg	☼	06/28/22 19:20	06/29/22 12:39	1
PCB-1242	23	U	87	23	ug/Kg	☼	06/28/22 19:20	06/29/22 12:39	1
PCB-1248	23	U	87	23	ug/Kg	☼	06/28/22 19:20	06/29/22 12:39	1
PCB-1254	23	U	87	23	ug/Kg	☼	06/28/22 19:20	06/29/22 12:39	1
PCB-1260	23	U	87	23	ug/Kg	☼	06/28/22 19:20	06/29/22 12:39	1
Aroclor-1262	23	U	87	23	ug/Kg	☼	06/28/22 19:20	06/29/22 12:39	1
Aroclor 1268	23	U	87	23	ug/Kg	☼	06/28/22 19:20	06/29/22 12:39	1
Polychlorinated biphenyls, Total	23	U	87	23	ug/Kg	☼	06/28/22 19:20	06/29/22 12:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*103*		*10 - 150*	*06/28/22 19:20*	*06/29/22 12:39*	*1*
DCB Decachlorobiphenyl	*105*		*10 - 150*	*06/28/22 19:20*	*06/29/22 12:39*	*1*
Tetrachloro-m-xylene	*96*		*42 - 150*	*06/28/22 19:20*	*06/29/22 12:39*	*1*
Tetrachloro-m-xylene	*97*		*42 - 150*	*06/28/22 19:20*	*06/29/22 12:39*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	5.6	U H F1	13.0	5.6	mg/Kg	☼	07/08/22 15:46	07/08/22 15:49	1

Client Sample ID: BHP-HA01-COMP-S001
Lab Sample ID: 460-260852-3
Date Collected: 06/23/22 11:00
Matrix: Solid
Date Received: 06/24/22 19:00
Percent Solids: 76.2

Method: 8270C - Semivolatile Organics (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	**160**	**J**	430	12	ug/Kg	☼	06/29/22 17:17	06/30/22 10:09	1
Anthracene	**690**		430	13	ug/Kg	☼	06/29/22 17:17	06/30/22 10:09	1
Benzo[a]anthracene	**1100**		43	15	ug/Kg	☼	06/29/22 17:17	06/30/22 10:09	1
Benzo[b]fluoranthene	**1400**		43	11	ug/Kg	☼	06/29/22 17:17	06/30/22 10:09	1
Benzo[a]pyrene	**930**		43	12	ug/Kg	☼	06/29/22 17:17	06/30/22 10:09	1
Benzo[g,h,i]perylene	**400**	**J**	430	13	ug/Kg	☼	06/29/22 17:17	06/30/22 10:09	1
Benzo[k]fluoranthene	**470**		43	8.5	ug/Kg	☼	06/29/22 17:17	06/30/22 10:09	1
Chrysene	**1100**		430	7.3	ug/Kg	☼	06/29/22 17:17	06/30/22 10:09	1
Dibenz(a,h)anthracene	**110**		43	19	ug/Kg	☼	06/29/22 17:17	06/30/22 10:09	1
Fluoranthene	**2700**		430	15	ug/Kg	☼	06/29/22 17:17	06/30/22 10:09	1
Naphthalene	**160**	**J**	430	7.5	ug/Kg	☼	06/29/22 17:17	06/30/22 10:09	1
Phenanthrene	**2800**		430	7.6	ug/Kg	☼	06/29/22 17:17	06/30/22 10:09	1
Pyrene	**2300**		430	11	ug/Kg	☼	06/29/22 17:17	06/30/22 10:09	1
Fluorene	**290**	**J**	430	13	ug/Kg	☼	06/29/22 17:17	06/30/22 10:09	1

Client Sample ID: BHP-HA01-COMP-S001 — Lab Sample ID: 460-260852-3

Date Collected: 06/23/22 11:00 — **Matrix: Solid**
Date Received: 06/24/22 19:00 — **Percent Solids: 76.2**

Method: 8270C - Semivolatile Organics (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	230	J	430	12	ug/Kg	☼	06/29/22 17:17	06/30/22 10:09	1
Indeno[1,2,3-cd]pyrene	490		43	17	ug/Kg	☼	06/29/22 17:17	06/30/22 10:09	1
2-Chloronaphthalene	29	J	430	20	ug/Kg	☼	06/29/22 17:17	06/30/22 10:09	1
2-Methylnaphthalene	100	J	430	12	ug/Kg	☼	06/29/22 17:17	06/30/22 10:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*85*		*22 - 122*	*06/29/22 17:17*	*06/30/22 10:09*	*1*
Nitrobenzene-d5 (Surr)	*86*		*16 - 125*	*06/29/22 17:17*	*06/30/22 10:09*	*1*
Terphenyl-d14 (Surr)	*82*		*25 - 126*	*06/29/22 17:17*	*06/30/22 10:09*	*1*

Method: 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.20	U	2.5	0.20	mg/Kg	☼	06/29/22 12:01	06/30/22 11:54	2
Aluminum	3140		50.0	3.8	mg/Kg	☼	06/29/22 12:01	06/30/22 11:54	2
Arsenic	3.6	J	3.7	0.78	mg/Kg	☼	06/29/22 12:01	06/30/22 11:54	2
Barium	203		50.0	1.9	mg/Kg	☼	06/29/22 12:01	06/30/22 11:54	2
Beryllium	0.20	J	0.50	0.055	mg/Kg	☼	06/29/22 12:01	06/30/22 11:54	2
Calcium	5160		1250	53.4	mg/Kg	☼	06/29/22 12:01	06/30/22 11:54	2
Cadmium	0.80	J	1.0	0.19	mg/Kg	☼	06/29/22 12:01	06/30/22 11:54	2
Cobalt	4.4	J	12.5	0.62	mg/Kg	☼	06/29/22 12:01	06/30/22 11:54	2
Chromium	33.9		2.5	0.27	mg/Kg	☼	06/29/22 12:01	06/30/22 11:54	2
Copper	34.8		6.2	0.45	mg/Kg	☼	06/29/22 12:01	06/30/22 11:54	2
Iron	5550		37.5	7.5	mg/Kg	☼	06/29/22 12:01	06/30/22 11:54	2
Potassium	313	J	1250	61.4	mg/Kg	☼	06/29/22 12:01	06/30/22 11:54	2
Magnesium	516	J	1250	74.2	mg/Kg	☼	06/29/22 12:01	06/30/22 11:54	2
Manganese	92.0		3.7	0.30	mg/Kg	☼	06/29/22 12:01	06/30/22 11:54	2
Sodium	192	J	1250	69.9	mg/Kg	☼	06/29/22 12:01	06/30/22 11:54	2
Nickel	37.8		10	0.35	mg/Kg	☼	06/29/22 12:01	06/30/22 11:54	2
Lead	291		2.5	0.66	mg/Kg	☼	06/29/22 12:01	06/30/22 11:54	2
Antimony	1.9	J	5.0	0.47	mg/Kg	☼	06/29/22 12:01	06/30/22 11:54	2
Selenium	1.5	U	5.0	1.5	mg/Kg	☼	06/29/22 12:01	06/30/22 11:54	2
Thallium	0.75	U	5.0	0.75	mg/Kg	☼	06/29/22 12:01	06/30/22 11:54	2
Vanadium	11.0	J	12.5	0.67	mg/Kg	☼	06/29/22 12:01	06/30/22 11:54	2
Zinc	380		7.5	0.43	mg/Kg	☼	06/29/22 12:01	06/30/22 11:54	2

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.61		0.022	0.010	mg/Kg	☼	06/28/22 00:53	06/28/22 05:34	1

Client Sample ID: BHP-HA01-COMP-S002 — Lab Sample ID: 460-260852-4

Date Collected: 06/23/22 11:15 — **Matrix: Solid**
Date Received: 06/24/22 19:00 — **Percent Solids: 64.3**

Method: 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.25	U	3.1	0.25	mg/Kg	☼	06/29/22 10:58	06/30/22 11:27	2
Aluminum	2450		61.0	4.6	mg/Kg	☼	06/29/22 10:58	06/30/22 11:27	2
Arsenic	55.4		4.6	0.95	mg/Kg	☼	06/29/22 10:58	06/30/22 11:27	2
Barium	5410		61.0	2.3	mg/Kg	☼	06/29/22 10:58	06/30/22 11:27	2
Beryllium	0.20	J	0.61	0.067	mg/Kg	☼	06/29/22 10:58	06/30/22 11:27	2
Calcium	2440		1530	65.1	mg/Kg	☼	06/29/22 10:58	06/30/22 11:27	2

Client Sample ID: BHP-HA01-COMP-S002 — Lab Sample ID: 460-260852-4

Date Collected: 06/23/22 11:15 — **Matrix: Solid**
Date Received: 06/24/22 19:00 — **Percent Solids: 64.3**

Method: 6010D - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.35	J	1.2	0.24	mg/Kg	☼	06/29/22 10:58	06/30/22 11:27	2
Cobalt	38.3		15.3	0.76	mg/Kg	☼	06/29/22 10:58	06/30/22 11:27	2
Chromium	97.5		3.1	0.33	mg/Kg	☼	06/29/22 10:58	06/30/22 11:27	2
Copper	325		7.6	0.56	mg/Kg	☼	06/29/22 10:58	06/30/22 11:27	2
Iron	307000		229	45.8	mg/Kg	☼	06/29/22 10:58	06/30/22 16:01	10
Potassium	230	J	1530	74.9	mg/Kg	☼	06/29/22 10:58	06/30/22 11:27	2
Magnesium	786	J	1530	90.6	mg/Kg	☼	06/29/22 10:58	06/30/22 11:27	2
Manganese	1640		4.6	0.37	mg/Kg	☼	06/29/22 10:58	06/30/22 11:27	2
Sodium	154	J	1530	85.3	mg/Kg	☼	06/29/22 10:58	06/30/22 11:27	2
Nickel	146		12.2	0.43	mg/Kg	☼	06/29/22 10:58	06/30/22 11:27	2
Lead	1580		3.1	0.81	mg/Kg	☼	06/29/22 10:58	06/30/22 11:27	2
Antimony	6.8		6.1	0.57	mg/Kg	☼	06/29/22 10:58	06/30/22 11:27	2
Selenium	5.4	J	6.1	1.9	mg/Kg	☼	06/29/22 10:58	06/30/22 11:27	2
Thallium	6.2		6.1	0.91	mg/Kg	☼	06/29/22 10:58	06/30/22 11:27	2
Vanadium	26.7		15.3	0.82	mg/Kg	☼	06/29/22 10:58	06/30/22 11:27	2
Zinc	2530		9.2	0.53	mg/Kg	☼	06/29/22 10:58	06/30/22 11:27	2

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.91		0.024	0.011	mg/Kg	☼	06/28/22 01:14	06/28/22 05:51	1

Client Sample ID: BHP-HA02-COMP-S001 — Lab Sample ID: 460-260852-5

Date Collected: 06/23/22 12:21 — **Matrix: Solid**
Date Received: 06/24/22 19:00 — **Percent Solids: 85.6**

Method: 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.19	U	2.3	0.19	mg/Kg	☼	06/29/22 10:58	06/30/22 11:31	2
Aluminum	16100		45.8	3.5	mg/Kg	☼	06/29/22 10:58	06/30/22 11:31	2
Arsenic	3.4		3.4	0.72	mg/Kg	☼	06/29/22 10:58	06/30/22 11:31	2
Barium	143		45.8	1.7	mg/Kg	☼	06/29/22 10:58	06/30/22 11:31	2
Beryllium	0.050	U	0.46	0.050	mg/Kg	☼	06/29/22 10:58	06/30/22 11:31	2
Calcium	2000		1150	48.9	mg/Kg	☼	06/29/22 10:58	06/30/22 11:31	2
Cadmium	0.18	U	0.92	0.18	mg/Kg	☼	06/29/22 10:58	06/30/22 11:31	2
Cobalt	11.4	J	11.5	0.57	mg/Kg	☼	06/29/22 10:58	06/30/22 11:31	2
Chromium	48.5		2.3	0.25	mg/Kg	☼	06/29/22 10:58	06/30/22 11:31	2
Copper	25.5		5.7	0.42	mg/Kg	☼	06/29/22 10:58	06/30/22 11:31	2
Iron	23600		34.4	6.9	mg/Kg	☼	06/29/22 10:58	06/30/22 11:31	2
Potassium	1790		1150	56.3	mg/Kg	☼	06/29/22 10:58	06/30/22 11:31	2
Magnesium	3580		1150	68.1	mg/Kg	☼	06/29/22 10:58	06/30/22 11:31	2
Manganese	398		3.4	0.27	mg/Kg	☼	06/29/22 10:58	06/30/22 11:31	2
Sodium	64.0	U	1150	64.0	mg/Kg	☼	06/29/22 10:58	06/30/22 11:31	2
Nickel	25.6		9.2	0.32	mg/Kg	☼	06/29/22 10:58	06/30/22 11:31	2
Lead	82.1		2.3	0.60	mg/Kg	☼	06/29/22 10:58	06/30/22 11:31	2
Antimony	0.43	U	4.6	0.43	mg/Kg	☼	06/29/22 10:58	06/30/22 11:31	2
Selenium	1.4	U	4.6	1.4	mg/Kg	☼	06/29/22 10:58	06/30/22 11:31	2
Thallium	0.68	U	4.6	0.68	mg/Kg	☼	06/29/22 10:58	06/30/22 11:31	2
Vanadium	55.9		11.5	0.62	mg/Kg	☼	06/29/22 10:58	06/30/22 11:31	2
Zinc	119		6.9	0.40	mg/Kg	☼	06/29/22 10:58	06/30/22 11:31	2

Client Sample ID: BHP-HA02-COMP-S001 — Lab Sample ID: 460-260852-5

Date Collected: 06/23/22 12:21 — **Matrix: Solid**
Date Received: 06/24/22 19:00 — **Percent Solids: 85.6**

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.23**		0.020	0.0092	mg/Kg	☼	06/28/22 01:14	06/28/22 05:52	1

Client Sample ID: BHP-HA03-COMP-S001 — Lab Sample ID: 460-260852-7

Date Collected: 06/23/22 13:00 — **Matrix: Solid**
Date Received: 06/24/22 19:00 — **Percent Solids: 88.4**

Method: 8270C - Semivolatile Organics (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	**14**	**J**	370	11	ug/Kg	☼	06/29/22 17:17	06/30/22 01:55	1
Anthracene	**25**	**J**	370	11	ug/Kg	☼	06/29/22 17:17	06/30/22 01:55	1
Benzo[a]anthracene	**130**		37	13	ug/Kg	☼	06/29/22 17:17	06/30/22 01:55	1
Benzo[b]fluoranthene	**180**		37	9.7	ug/Kg	☼	06/29/22 17:17	06/30/22 01:55	1
Benzo[a]pyrene	**130**		37	10	ug/Kg	☼	06/29/22 17:17	06/30/22 01:55	1
Benzo[g,h,i]perylene	**120**	**J**	370	11	ug/Kg	☼	06/29/22 17:17	06/30/22 01:55	1
Benzo[k]fluoranthene	**71**		37	7.3	ug/Kg	☼	06/29/22 17:17	06/30/22 01:55	1
Chrysene	**140**	**J**	370	6.3	ug/Kg	☼	06/29/22 17:17	06/30/22 01:55	1
Dibenz(a,h)anthracene	**27**	**J**	37	16	ug/Kg	☼	06/29/22 17:17	06/30/22 01:55	1
Fluoranthene	**210**	**J**	370	13	ug/Kg	☼	06/29/22 17:17	06/30/22 01:55	1
Naphthalene	**13**	**J**	370	6.5	ug/Kg	☼	06/29/22 17:17	06/30/22 01:55	1
Phenanthrene	**84**	**J**	370	6.6	ug/Kg	☼	06/29/22 17:17	06/30/22 01:55	1
Pyrene	**230**	**J**	370	9.3	ug/Kg	☼	06/29/22 17:17	06/30/22 01:55	1
Fluorene	**12**	**J**	370	11	ug/Kg	☼	06/29/22 17:17	06/30/22 01:55	1
Acenaphthene	11	U	370	11	ug/Kg	☼	06/29/22 17:17	06/30/22 01:55	1
Indeno[1,2,3-cd]pyrene	**110**		37	15	ug/Kg	☼	06/29/22 17:17	06/30/22 01:55	1
2-Chloronaphthalene	17	U	370	17	ug/Kg	☼	06/29/22 17:17	06/30/22 01:55	1
2-Methylnaphthalene	**13**	**J**	370	10	ug/Kg	☼	06/29/22 17:17	06/30/22 01:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*87*		*22 - 122*	*06/29/22 17:17*	*06/30/22 01:55*	*1*
Nitrobenzene-d5 (Surr)	*85*		*16 - 125*	*06/29/22 17:17*	*06/30/22 01:55*	*1*
Terphenyl-d14 (Surr)	*98*		*25 - 126*	*06/29/22 17:17*	*06/30/22 01:55*	*1*

Method: 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.17	U	2.1	0.17	mg/Kg	☼	06/29/22 12:01	06/30/22 11:58	2
Aluminum	**12700**		42.3	3.2	mg/Kg	☼	06/29/22 12:01	06/30/22 11:58	2
Arsenic	**4.8**		3.2	0.66	mg/Kg	☼	06/29/22 12:01	06/30/22 11:58	2
Barium	**99.9**		42.3	1.6	mg/Kg	☼	06/29/22 12:01	06/30/22 11:58	2
Beryllium	**0.088**	**J**	0.42	0.047	mg/Kg	☼	06/29/22 12:01	06/30/22 11:58	2
Calcium	**1360**		1060	45.1	mg/Kg	☼	06/29/22 12:01	06/30/22 11:58	2
Cadmium	0.16	U	0.85	0.16	mg/Kg	☼	06/29/22 12:01	06/30/22 11:58	2
Cobalt	**7.4**	**J**	10.6	0.53	mg/Kg	☼	06/29/22 12:01	06/30/22 11:58	2
Chromium	**29.2**		2.1	0.23	mg/Kg	☼	06/29/22 12:01	06/30/22 11:58	2
Copper	**134**		5.3	0.38	mg/Kg	☼	06/29/22 12:01	06/30/22 11:58	2
Iron	**30900**		31.7	6.4	mg/Kg	☼	06/29/22 12:01	06/30/22 11:58	2
Potassium	**598**	**J**	1060	51.9	mg/Kg	☼	06/29/22 12:01	06/30/22 11:58	2
Magnesium	**1100**		1060	62.8	mg/Kg	☼	06/29/22 12:01	06/30/22 11:58	2
Manganese	**212**		3.2	0.25	mg/Kg	☼	06/29/22 12:01	06/30/22 11:58	2
Sodium	59.1	U	1060	59.1	mg/Kg	☼	06/29/22 12:01	06/30/22 11:58	2
Nickel	**18.2**		8.5	0.30	mg/Kg	☼	06/29/22 12:01	06/30/22 11:58	2

Client Sample ID: BHP-HA03-COMP-S001 — Lab Sample ID: 460-260852-7

Date Collected: 06/23/22 13:00 — **Matrix: Solid**
Date Received: 06/24/22 19:00 — **Percent Solids: 88.4**

Method: 6010D - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	152		2.1	0.56	mg/Kg	☼	06/29/22 12:01	06/30/22 11:58	2
Antimony	0.66	J	4.2	0.40	mg/Kg	☼	06/29/22 12:01	06/30/22 11:58	2
Selenium	1.3	U	4.2	1.3	mg/Kg	☼	06/29/22 12:01	06/30/22 11:58	2
Thallium	0.63	U	4.2	0.63	mg/Kg	☼	06/29/22 12:01	06/30/22 11:58	2
Vanadium	29.4		10.6	0.57	mg/Kg	☼	06/29/22 12:01	06/30/22 11:58	2
Zinc	167		6.3	0.37	mg/Kg	☼	06/29/22 12:01	06/30/22 11:58	2

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.13		0.019	0.0090	mg/Kg	☼	06/28/22 01:14	06/28/22 05:54	1

Client Sample ID: BHP-HA03-COMP-S002 — Lab Sample ID: 460-260852-8

Date Collected: 06/23/22 13:15 — **Matrix: Solid**
Date Received: 06/24/22 19:00 — **Percent Solids: 75.0**

Method: 8270C - Semivolatile Organics (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	76	J	440	13	ug/Kg	☼	06/29/22 17:17	06/30/22 02:42	1
Anthracene	51	J	440	13	ug/Kg	☼	06/29/22 17:17	06/30/22 02:42	1
Benzo[a]anthracene	250		44	15	ug/Kg	☼	06/29/22 17:17	06/30/22 02:42	1
Benzo[b]fluoranthene	310		44	11	ug/Kg	☼	06/29/22 17:17	06/30/22 02:42	1
Benzo[a]pyrene	210		44	12	ug/Kg	☼	06/29/22 17:17	06/30/22 02:42	1
Benzo[g,h,i]perylene	140	J	440	13	ug/Kg	☼	06/29/22 17:17	06/30/22 02:42	1
Benzo[k]fluoranthene	110		44	8.7	ug/Kg	☼	06/29/22 17:17	06/30/22 02:42	1
Chrysene	240	J	440	7.5	ug/Kg	☼	06/29/22 17:17	06/30/22 02:42	1
Dibenz(a,h)anthracene	38	J	44	19	ug/Kg	☼	06/29/22 17:17	06/30/22 02:42	1
Fluoranthene	410	J	440	15	ug/Kg	☼	06/29/22 17:17	06/30/22 02:42	1
Naphthalene	130	J	440	7.6	ug/Kg	☼	06/29/22 17:17	06/30/22 02:42	1
Phenanthrene	190	J	440	7.8	ug/Kg	☼	06/29/22 17:17	06/30/22 02:42	1
Pyrene	340	J	440	11	ug/Kg	☼	06/29/22 17:17	06/30/22 02:42	1
Fluorene	26	J	440	13	ug/Kg	☼	06/29/22 17:17	06/30/22 02:42	1
Acenaphthene	14	J	440	13	ug/Kg	☼	06/29/22 17:17	06/30/22 02:42	1
Indeno[1,2,3-cd]pyrene	160		44	17	ug/Kg	☼	06/29/22 17:17	06/30/22 02:42	1
2-Chloronaphthalene	65	J	440	20	ug/Kg	☼	06/29/22 17:17	06/30/22 02:42	1
2-Methylnaphthalene	31	J	440	12	ug/Kg	☼	06/29/22 17:17	06/30/22 02:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*88*		*22 - 122*	*06/29/22 17:17*	*06/30/22 02:42*	*1*
Nitrobenzene-d5 (Surr)	*88*		*16 - 125*	*06/29/22 17:17*	*06/30/22 02:42*	*1*
Terphenyl-d14 (Surr)	*88*		*25 - 126*	*06/29/22 17:17*	*06/30/22 02:42*	*1*

Method: 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.21	U	2.5	0.21	mg/Kg	☼	06/29/22 12:01	06/30/22 12:02	2
Aluminum	6170		50.8	3.8	mg/Kg	☼	06/29/22 12:01	06/30/22 12:02	2
Arsenic	7.9		3.8	0.79	mg/Kg	☼	06/29/22 12:01	06/30/22 12:02	2
Barium	463		50.8	1.9	mg/Kg	☼	06/29/22 12:01	06/30/22 12:02	2
Beryllium	0.33	J	0.51	0.056	mg/Kg	☼	06/29/22 12:01	06/30/22 12:02	2
Calcium	6110		1270	54.2	mg/Kg	☼	06/29/22 12:01	06/30/22 12:02	2
Cadmium	3.5		1.0	0.20	mg/Kg	☼	06/29/22 12:01	06/30/22 12:02	2
Cobalt	6.8	J	12.7	0.63	mg/Kg	☼	06/29/22 12:01	06/30/22 12:02	2

Client Sample ID: BHP-HA03-COMP-S002

Lab Sample ID: 460-260852-8
Date Collected: 06/23/22 13:15
Matrix: Solid
Date Received: 06/24/22 19:00
Percent Solids: 75.0

Method: 6010D - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	33.5		2.5	0.27	mg/Kg	☼	06/29/22 12:01	06/30/22 12:02	2
Copper	243		6.3	0.46	mg/Kg	☼	06/29/22 12:01	06/30/22 12:02	2
Iron	31200		38.1	7.6	mg/Kg	☼	06/29/22 12:01	06/30/22 12:02	2
Potassium	486	J	1270	62.3	mg/Kg	☼	06/29/22 12:01	06/30/22 12:02	2
Magnesium	827	J	1270	75.4	mg/Kg	☼	06/29/22 12:01	06/30/22 12:02	2
Manganese	147		3.8	0.30	mg/Kg	☼	06/29/22 12:01	06/30/22 12:02	2
Sodium	202	J	1270	71.0	mg/Kg	☼	06/29/22 12:01	06/30/22 12:02	2
Nickel	57.6		10.2	0.36	mg/Kg	☼	06/29/22 12:01	06/30/22 12:02	2
Lead	315		2.5	0.67	mg/Kg	☼	06/29/22 12:01	06/30/22 12:02	2
Antimony	0.60	J	5.1	0.48	mg/Kg	☼	06/29/22 12:01	06/30/22 12:02	2
Selenium	1.6	U	5.1	1.6	mg/Kg	☼	06/29/22 12:01	06/30/22 12:02	2
Thallium	1.0	J	5.1	0.76	mg/Kg	☼	06/29/22 12:01	06/30/22 12:02	2
Vanadium	26.7		12.7	0.68	mg/Kg	☼	06/29/22 12:01	06/30/22 12:02	2
Zinc	723		7.6	0.44	mg/Kg	☼	06/29/22 12:01	06/30/22 12:02	2

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	2.4		0.10	0.048	mg/Kg	☼	06/28/22 01:14	06/28/22 07:17	5

Client Sample ID: BHP-HA04-COMP-S001

Lab Sample ID: 460-260852-9
Date Collected: 06/23/22 13:30
Matrix: Solid
Date Received: 06/24/22 19:00
Percent Solids: 84.0

Method: 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.30	J	2.3	0.19	mg/Kg	☼	06/29/22 10:59	06/30/22 11:34	2
Aluminum	6720		46.2	3.5	mg/Kg	☼	06/29/22 10:59	06/30/22 11:34	2
Arsenic	5.9		3.5	0.72	mg/Kg	☼	06/29/22 10:59	06/30/22 11:34	2
Barium	138		46.2	1.8	mg/Kg	☼	06/29/22 10:59	06/30/22 11:34	2
Beryllium	0.15	J	0.46	0.051	mg/Kg	☼	06/29/22 10:59	06/30/22 11:34	2
Calcium	2230		1160	49.3	mg/Kg	☼	06/29/22 10:59	06/30/22 11:34	2
Cadmium	0.68	J	0.92	0.18	mg/Kg	☼	06/29/22 10:59	06/30/22 11:34	2
Cobalt	5.8	J	11.6	0.58	mg/Kg	☼	06/29/22 10:59	06/30/22 11:34	2
Chromium	16.9		2.3	0.25	mg/Kg	☼	06/29/22 10:59	06/30/22 11:34	2
Copper	140		5.8	0.42	mg/Kg	☼	06/29/22 10:59	06/30/22 11:34	2
Iron	27200		34.7	6.9	mg/Kg	☼	06/29/22 10:59	06/30/22 11:34	2
Potassium	528	J	1160	56.7	mg/Kg	☼	06/29/22 10:59	06/30/22 11:34	2
Magnesium	582	J	1160	68.6	mg/Kg	☼	06/29/22 10:59	06/30/22 11:34	2
Manganese	197		3.5	0.28	mg/Kg	☼	06/29/22 10:59	06/30/22 11:34	2
Sodium	94.3	J	1160	64.6	mg/Kg	☼	06/29/22 10:59	06/30/22 11:34	2
Nickel	18.4		9.2	0.32	mg/Kg	☼	06/29/22 10:59	06/30/22 11:34	2
Lead	314		2.3	0.61	mg/Kg	☼	06/29/22 10:59	06/30/22 11:34	2
Antimony	0.71	J	4.6	0.44	mg/Kg	☼	06/29/22 10:59	06/30/22 11:34	2
Selenium	1.7	J	4.6	1.4	mg/Kg	☼	06/29/22 10:59	06/30/22 11:34	2
Thallium	1.0	J	4.6	0.69	mg/Kg	☼	06/29/22 10:59	06/30/22 11:34	2
Vanadium	19.0		11.6	0.62	mg/Kg	☼	06/29/22 10:59	06/30/22 11:34	2
Zinc	267		6.9	0.40	mg/Kg	☼	06/29/22 10:59	06/30/22 11:34	2

Client Sample ID: BHP-HA04-COMP-S001
Lab Sample ID: 460-260852-9
Date Collected: 06/23/22 13:30
Matrix: Solid
Date Received: 06/24/22 19:00
Percent Solids: 84.0

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.13**		0.019	0.0088	mg/Kg	☼	06/28/22 01:14	06/28/22 06:02	1

Client Sample ID: BHP-HA05-COMP-S001
Lab Sample ID: 460-260852-11
Date Collected: 06/23/22 13:40
Matrix: Solid
Date Received: 06/24/22 19:00
Percent Solids: 83.9

Method: 8270C - Semivolatile Organics (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	**4800**		390	11	ug/Kg	☼	06/29/22 17:17	06/30/22 03:06	1
Anthracene	**8000**		390	12	ug/Kg	☼	06/29/22 17:17	06/30/22 03:06	1
Benzo[g,h,i]perylene	**6300**		390	12	ug/Kg	☼	06/29/22 17:17	06/30/22 03:06	1
Benzo[k]fluoranthene	**6600**		39	7.7	ug/Kg	☼	06/29/22 17:17	06/30/22 03:06	1
Dibenz(a,h)anthracene	**2100**		39	17	ug/Kg	☼	06/29/22 17:17	06/30/22 03:06	1
Naphthalene	**2200**		390	6.8	ug/Kg	☼	06/29/22 17:17	06/30/22 03:06	1
Fluorene	**3200**		390	12	ug/Kg	☼	06/29/22 17:17	06/30/22 03:06	1
Acenaphthene	**1400**		390	11	ug/Kg	☼	06/29/22 17:17	06/30/22 03:06	1
Indeno[1,2,3-cd]pyrene	**8300**		39	15	ug/Kg	☼	06/29/22 17:17	06/30/22 03:06	1
2-Chloronaphthalene	18	U	390	18	ug/Kg	☼	06/29/22 17:17	06/30/22 03:06	1
2-Methylnaphthalene	**860**		390	11	ug/Kg	☼	06/29/22 17:17	06/30/22 03:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*55*		*22 - 122*	*06/29/22 17:17*	*06/30/22 03:06*	*1*
Nitrobenzene-d5 (Surr)	*56*		*16 - 125*	*06/29/22 17:17*	*06/30/22 03:06*	*1*
Terphenyl-d14 (Surr)	*58*		*25 - 126*	*06/29/22 17:17*	*06/30/22 03:06*	*1*

Method: 8270C - Semivolatile Organics (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	**21000**	**D**	200	69	ug/Kg	☼	06/29/22 17:17	06/30/22 21:17	5
Benzo[b]fluoranthene	**21000**	**D**	200	51	ug/Kg	☼	06/29/22 17:17	06/30/22 21:17	5
Benzo[a]pyrene	**16000**	**D**	200	53	ug/Kg	☼	06/29/22 17:17	06/30/22 21:17	5
Chrysene	**18000**	**D**	2000	33	ug/Kg	☼	06/29/22 17:17	06/30/22 21:17	5
Phenanthrene	**32000**	**D**	2000	35	ug/Kg	☼	06/29/22 17:17	06/30/22 21:17	5
Pyrene	**37000**	**D**	2000	49	ug/Kg	☼	06/29/22 17:17	06/30/22 21:17	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*52*	*D*	*22 - 122*	*06/29/22 17:17*	*06/30/22 21:17*	*5*
Nitrobenzene-d5 (Surr)	*55*	*D*	*16 - 125*	*06/29/22 17:17*	*06/30/22 21:17*	*5*
Terphenyl-d14 (Surr)	*53*	*D*	*25 - 126*	*06/29/22 17:17*	*06/30/22 21:17*	*5*

Method: 8270C - Semivolatile Organics (GC/MS) - DL2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	**46000**	**D**	3900	140	ug/Kg	☼	06/29/22 17:17	06/30/22 21:52	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*48*	*D*	*22 - 122*	*06/29/22 17:17*	*06/30/22 21:52*	*10*
Nitrobenzene-d5 (Surr)	*48*	*D*	*16 - 125*	*06/29/22 17:17*	*06/30/22 21:52*	*10*
Terphenyl-d14 (Surr)	*50*	*D*	*25 - 126*	*06/29/22 17:17*	*06/30/22 21:52*	*10*

Method: 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	**0.49**	**J**	2.3	0.19	mg/Kg	☼	06/29/22 12:01	06/30/22 12:05	2

Client Sample ID: BHP-HA05-COMP-S001 — Lab Sample ID: 460-260852-11

Date Collected: 06/23/22 13:40 — **Matrix: Solid**
Date Received: 06/24/22 19:00 — **Percent Solids: 83.9**

Method: 6010D - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	6980		45.8	3.5	mg/Kg	☼	06/29/22 12:01	06/30/22 12:05	2
Arsenic	41.1		3.4	0.72	mg/Kg	☼	06/29/22 12:01	06/30/22 12:05	2
Barium	430		45.8	1.7	mg/Kg	☼	06/29/22 12:01	06/30/22 12:05	2
Beryllium	0.22	J	0.46	0.050	mg/Kg	☼	06/29/22 12:01	06/30/22 12:05	2
Calcium	41000		1150	48.9	mg/Kg	☼	06/29/22 12:01	06/30/22 12:05	2
Cadmium	2.7		0.92	0.18	mg/Kg	☼	06/29/22 12:01	06/30/22 12:05	2
Cobalt	6.7	J	11.5	0.57	mg/Kg	☼	06/29/22 12:01	06/30/22 12:05	2
Chromium	42.1		2.3	0.25	mg/Kg	☼	06/29/22 12:01	06/30/22 12:05	2
Copper	151		5.7	0.42	mg/Kg	☼	06/29/22 12:01	06/30/22 12:05	2
Iron	22200		34.4	6.9	mg/Kg	☼	06/29/22 12:01	06/30/22 12:05	2
Potassium	584	J	1150	56.3	mg/Kg	☼	06/29/22 12:01	06/30/22 12:05	2
Magnesium	4630		1150	68.1	mg/Kg	☼	06/29/22 12:01	06/30/22 12:05	2
Manganese	256		3.4	0.28	mg/Kg	☼	06/29/22 12:01	06/30/22 12:05	2
Sodium	115	J	1150	64.1	mg/Kg	☼	06/29/22 12:01	06/30/22 12:05	2
Nickel	19.0		9.2	0.32	mg/Kg	☼	06/29/22 12:01	06/30/22 12:05	2
Lead	695		2.3	0.61	mg/Kg	☼	06/29/22 12:01	06/30/22 12:05	2
Antimony	1.9	J	4.6	0.43	mg/Kg	☼	06/29/22 12:01	06/30/22 12:05	2
Selenium	1.6	J	4.6	1.4	mg/Kg	☼	06/29/22 12:01	06/30/22 12:05	2
Thallium	0.68	U	4.6	0.68	mg/Kg	☼	06/29/22 12:01	06/30/22 12:05	2
Vanadium	32.5		11.5	0.62	mg/Kg	☼	06/29/22 12:01	06/30/22 12:05	2
Zinc	622		6.9	0.40	mg/Kg	☼	06/29/22 12:01	06/30/22 12:05	2

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	1.1		0.096	0.045	mg/Kg	☼	06/28/22 01:14	06/28/22 07:19	5

Client Sample ID: BHP-HA05-COMP-S002 — Lab Sample ID: 460-260852-12

Date Collected: 06/23/22 13:55 — **Matrix: Solid**
Date Received: 06/24/22 19:00 — **Percent Solids: 65.3**

Method: 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.33	J	2.9	0.24	mg/Kg	☼	06/29/22 10:59	06/30/22 11:46	2
Aluminum	5650		57.7	4.4	mg/Kg	☼	06/29/22 10:59	06/30/22 11:46	2
Arsenic	14.0		4.3	0.90	mg/Kg	☼	06/29/22 10:59	06/30/22 11:46	2
Barium	194		57.7	2.2	mg/Kg	☼	06/29/22 10:59	06/30/22 11:46	2
Beryllium	0.38	J	0.58	0.064	mg/Kg	☼	06/29/22 10:59	06/30/22 11:46	2
Calcium	6610		1440	61.6	mg/Kg	☼	06/29/22 10:59	06/30/22 11:46	2
Cadmium	0.76	J	1.2	0.22	mg/Kg	☼	06/29/22 10:59	06/30/22 11:46	2
Cobalt	7.4	J	14.4	0.72	mg/Kg	☼	06/29/22 10:59	06/30/22 11:46	2
Chromium	21.7		2.9	0.31	mg/Kg	☼	06/29/22 10:59	06/30/22 11:46	2
Copper	71.6		7.2	0.53	mg/Kg	☼	06/29/22 10:59	06/30/22 11:46	2
Iron	27000		43.3	8.7	mg/Kg	☼	06/29/22 10:59	06/30/22 11:46	2
Potassium	590	J	1440	70.9	mg/Kg	☼	06/29/22 10:59	06/30/22 11:46	2
Magnesium	1130	J	1440	85.8	mg/Kg	☼	06/29/22 10:59	06/30/22 11:46	2
Manganese	261		4.3	0.35	mg/Kg	☼	06/29/22 10:59	06/30/22 11:46	2
Sodium	296	J	1440	80.7	mg/Kg	☼	06/29/22 10:59	06/30/22 11:46	2
Nickel	23.3		11.5	0.40	mg/Kg	☼	06/29/22 10:59	06/30/22 11:46	2
Lead	299		2.9	0.76	mg/Kg	☼	06/29/22 10:59	06/30/22 11:46	2
Antimony	0.54	U	5.8	0.54	mg/Kg	☼	06/29/22 10:59	06/30/22 11:46	2

Client Sample ID: BHP-HA05-COMP-S002 — Lab Sample ID: 460-260852-12

Date Collected: 06/23/22 13:55 — **Matrix: Solid**
Date Received: 06/24/22 19:00 — **Percent Solids: 65.3**

Method: 6010D - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	1.8	J	5.8	1.8	mg/Kg	☼	06/29/22 10:59	06/30/22 11:46	2
Thallium	0.86	U	5.8	0.86	mg/Kg	☼	06/29/22 10:59	06/30/22 11:46	2
Vanadium	24.3		14.4	0.78	mg/Kg	☼	06/29/22 10:59	06/30/22 11:46	2
Zinc	389		8.7	0.50	mg/Kg	☼	06/29/22 10:59	06/30/22 11:46	2

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.33		0.025	0.012	mg/Kg	☼	06/28/22 01:14	06/28/22 07:21	1

Client Sample ID: BHP-HA06-COMP-S001 — Lab Sample ID: 460-260852-13

Date Collected: 06/23/22 14:02 — **Matrix: Solid**
Date Received: 06/24/22 19:00 — **Percent Solids: 91.1**

Method: 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.17	U	2.0	0.17	mg/Kg	☼	06/29/22 11:10	06/30/22 11:50	2
Aluminum	2040		40.3	3.1	mg/Kg	☼	06/29/22 11:10	06/30/22 11:50	2
Arsenic	3.1		3.0	0.63	mg/Kg	☼	06/29/22 11:10	06/30/22 11:50	2
Barium	51.0		40.3	1.5	mg/Kg	☼	06/29/22 11:10	06/30/22 11:50	2
Beryllium	0.075	J	0.40	0.044	mg/Kg	☼	06/29/22 11:10	06/30/22 11:50	2
Calcium	1710		1010	43.0	mg/Kg	☼	06/29/22 11:10	06/30/22 11:50	2
Cadmium	0.16	U	0.81	0.16	mg/Kg	☼	06/29/22 11:10	06/30/22 11:50	2
Cobalt	2.2	J	10.1	0.50	mg/Kg	☼	06/29/22 11:10	06/30/22 11:50	2
Chromium	7.4		2.0	0.22	mg/Kg	☼	06/29/22 11:10	06/30/22 11:50	2
Copper	18.6		5.0	0.37	mg/Kg	☼	06/29/22 11:10	06/30/22 11:50	2
Iron	13100		30.2	6.1	mg/Kg	☼	06/29/22 11:10	06/30/22 11:50	2
Potassium	136	J	1010	49.5	mg/Kg	☼	06/29/22 11:10	06/30/22 11:50	2
Magnesium	574	J	1010	59.8	mg/Kg	☼	06/29/22 11:10	06/30/22 11:50	2
Manganese	76.5		3.0	0.24	mg/Kg	☼	06/29/22 11:10	06/30/22 11:50	2
Sodium	56.3	U	1010	56.3	mg/Kg	☼	06/29/22 11:10	06/30/22 11:50	2
Nickel	6.6	J	8.1	0.28	mg/Kg	☼	06/29/22 11:10	06/30/22 11:50	2
Lead	37.3		2.0	0.53	mg/Kg	☼	06/29/22 11:10	06/30/22 11:50	2
Antimony	0.41	J	4.0	0.38	mg/Kg	☼	06/29/22 11:10	06/30/22 11:50	2
Selenium	1.2	U	4.0	1.2	mg/Kg	☼	06/29/22 11:10	06/30/22 11:50	2
Thallium	0.60	U	4.0	0.60	mg/Kg	☼	06/29/22 11:10	06/30/22 11:50	2
Vanadium	6.8	J	10.1	0.54	mg/Kg	☼	06/29/22 11:10	06/30/22 11:50	2
Zinc	43.9		6.0	0.35	mg/Kg	☼	06/29/22 11:10	06/30/22 11:50	2

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.019		0.018	0.0085	mg/Kg	☼	06/28/22 01:14	06/28/22 06:07	1

Client Sample ID: BHP-HA07-COMP-S001 — Lab Sample ID: 460-260852-15

Date Collected: 06/23/22 14:20 — **Matrix: Solid**
Date Received: 06/24/22 19:00 — **Percent Solids: 86.2**

Method: 8270C - Semivolatile Organics (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	83	J	380	11	ug/Kg	☼	06/29/22 17:17	06/30/22 03:29	1
Anthracene	43	J	380	12	ug/Kg	☼	06/29/22 17:17	06/30/22 03:29	1
Benzo[a]anthracene	400		38	13	ug/Kg	☼	06/29/22 17:17	06/30/22 03:29	1

Client Sample ID: BHP-HA07-COMP-S001
Lab Sample ID: 460-260852-15

Date Collected: 06/23/22 14:20
Matrix: Solid

Date Received: 06/24/22 19:00
Percent Solids: 86.2

Method: 8270C - Semivolatile Organics (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	1400		38	9.9	ug/Kg	☼	06/29/22 17:17	06/30/22 03:29	1
Benzo[a]pyrene	440		38	10	ug/Kg	☼	06/29/22 17:17	06/30/22 03:29	1
Benzo[g,h,i]perylene	560		380	11	ug/Kg	☼	06/29/22 17:17	06/30/22 03:29	1
Benzo[k]fluoranthene	300		38	7.5	ug/Kg	☼	06/29/22 17:17	06/30/22 03:29	1
Chrysene	710		380	6.5	ug/Kg	☼	06/29/22 17:17	06/30/22 03:29	1
Dibenz(a,h)anthracene	160		38	17	ug/Kg	☼	06/29/22 17:17	06/30/22 03:29	1
Fluoranthene	490		380	13	ug/Kg	☼	06/29/22 17:17	06/30/22 03:29	1
Naphthalene	230	J	380	6.6	ug/Kg	☼	06/29/22 17:17	06/30/22 03:29	1
Phenanthrene	230	J	380	6.7	ug/Kg	☼	06/29/22 17:17	06/30/22 03:29	1
Pyrene	420		380	9.5	ug/Kg	☼	06/29/22 17:17	06/30/22 03:29	1
Fluorene	16	J	380	11	ug/Kg	☼	06/29/22 17:17	06/30/22 03:29	1
Acenaphthene	13	J	380	11	ug/Kg	☼	06/29/22 17:17	06/30/22 03:29	1
Indeno[1,2,3-cd]pyrene	570		38	15	ug/Kg	☼	06/29/22 17:17	06/30/22 03:29	1
2-Chloronaphthalene	18	J	380	18	ug/Kg	☼	06/29/22 17:17	06/30/22 03:29	1
2-Methylnaphthalene	130	J	380	11	ug/Kg	☼	06/29/22 17:17	06/30/22 03:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*70*		*22 - 122*	*06/29/22 17:17*	*06/30/22 03:29*	*1*
Nitrobenzene-d5 (Surr)	*66*		*16 - 125*	*06/29/22 17:17*	*06/30/22 03:29*	*1*
Terphenyl-d14 (Surr)	*65*		*25 - 126*	*06/29/22 17:17*	*06/30/22 03:29*	*1*

Method: 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.40	J	2.3	0.18	mg/Kg	☼	06/29/22 12:01	06/30/22 12:09	2
Aluminum	7800		45.0	3.4	mg/Kg	☼	06/29/22 12:01	06/30/22 12:09	2
Arsenic	8.8		3.4	0.70	mg/Kg	☼	06/29/22 12:01	06/30/22 12:09	2
Barium	340		45.0	1.7	mg/Kg	☼	06/29/22 12:01	06/30/22 12:09	2
Beryllium	0.14	J	0.45	0.050	mg/Kg	☼	06/29/22 12:01	06/30/22 12:09	2
Calcium	3620		1130	48.1	mg/Kg	☼	06/29/22 12:01	06/30/22 12:09	2
Cadmium	1.5		0.90	0.17	mg/Kg	☼	06/29/22 12:01	06/30/22 12:09	2
Cobalt	8.2	J	11.3	0.56	mg/Kg	☼	06/29/22 12:01	06/30/22 12:09	2
Chromium	41.8		2.3	0.24	mg/Kg	☼	06/29/22 12:01	06/30/22 12:09	2
Copper	81.3		5.6	0.41	mg/Kg	☼	06/29/22 12:01	06/30/22 12:09	2
Iron	39700		33.8	6.8	mg/Kg	☼	06/29/22 12:01	06/30/22 12:09	2
Potassium	433	J	1130	55.3	mg/Kg	☼	06/29/22 12:01	06/30/22 12:09	2
Magnesium	703	J	1130	66.9	mg/Kg	☼	06/29/22 12:01	06/30/22 12:09	2
Manganese	398		3.4	0.27	mg/Kg	☼	06/29/22 12:01	06/30/22 12:09	2
Sodium	83.3	J	1130	62.9	mg/Kg	☼	06/29/22 12:01	06/30/22 12:09	2
Nickel	26.1		9.0	0.32	mg/Kg	☼	06/29/22 12:01	06/30/22 12:09	2
Lead	1690		2.3	0.59	mg/Kg	☼	06/29/22 12:01	06/30/22 12:09	2
Antimony	46.1		4.5	0.42	mg/Kg	☼	06/29/22 12:01	06/30/22 12:09	2
Selenium	1.4	U	4.5	1.4	mg/Kg	☼	06/29/22 12:01	06/30/22 12:09	2
Thallium	0.67	U	4.5	0.67	mg/Kg	☼	06/29/22 12:01	06/30/22 12:09	2
Vanadium	18.9		11.3	0.60	mg/Kg	☼	06/29/22 12:01	06/30/22 12:09	2
Zinc	583		6.8	0.39	mg/Kg	☼	06/29/22 12:01	06/30/22 12:09	2

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.22		0.019	0.0091	mg/Kg	☼	06/28/22 01:14	06/28/22 06:09	1

Client Sample ID: BHP-HA07-COMP-S002
Lab Sample ID: 460-260852-16

Date Collected: 06/23/22 14:30
Matrix: Solid

Date Received: 06/24/22 19:00
Percent Solids: 75.3

Method: 8270C - Semivolatile Organics (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	**26**	**J**	440	13	ug/Kg	☼	06/29/22 17:17	06/30/22 03:53	1
Anthracene	**19**	**J**	440	13	ug/Kg	☼	06/29/22 17:17	06/30/22 03:53	1
Benzo[a]anthracene	**220**		44	15	ug/Kg	☼	06/29/22 17:17	06/30/22 03:53	1
Benzo[b]fluoranthene	**360**		44	11	ug/Kg	☼	06/29/22 17:17	06/30/22 03:53	1
Benzo[a]pyrene	**210**		44	12	ug/Kg	☼	06/29/22 17:17	06/30/22 03:53	1
Benzo[g,h,i]perylene	**160**	**J**	440	13	ug/Kg	☼	06/29/22 17:17	06/30/22 03:53	1
Benzo[k]fluoranthene	**130**		44	8.6	ug/Kg	☼	06/29/22 17:17	06/30/22 03:53	1
Chrysene	**280**	**J**	440	7.4	ug/Kg	☼	06/29/22 17:17	06/30/22 03:53	1
Dibenz(a,h)anthracene	**45**		44	19	ug/Kg	☼	06/29/22 17:17	06/30/22 03:53	1
Fluoranthene	**370**	**J**	440	15	ug/Kg	☼	06/29/22 17:17	06/30/22 03:53	1
Naphthalene	**14**	**J**	440	7.6	ug/Kg	☼	06/29/22 17:17	06/30/22 03:53	1
Phenanthrene	**63**	**J**	440	7.7	ug/Kg	☼	06/29/22 17:17	06/30/22 03:53	1
Pyrene	**330**	**J**	440	11	ug/Kg	☼	06/29/22 17:17	06/30/22 03:53	1
Fluorene	13	U	440	13	ug/Kg	☼	06/29/22 17:17	06/30/22 03:53	1
Acenaphthene	13	U	440	13	ug/Kg	☼	06/29/22 17:17	06/30/22 03:53	1
Indeno[1,2,3-cd]pyrene	**170**		44	17	ug/Kg	☼	06/29/22 17:17	06/30/22 03:53	1
2-Chloronaphthalene	20	U	440	20	ug/Kg	☼	06/29/22 17:17	06/30/22 03:53	1
2-Methylnaphthalene	**14**	**J**	440	12	ug/Kg	☼	06/29/22 17:17	06/30/22 03:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*85*		*22 - 122*	*06/29/22 17:17*	*06/30/22 03:53*	*1*
Nitrobenzene-d5 (Surr)	*85*		*16 - 125*	*06/29/22 17:17*	*06/30/22 03:53*	*1*
Terphenyl-d14 (Surr)	*85*		*25 - 126*	*06/29/22 17:17*	*06/30/22 03:53*	*1*

Method: 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	**0.97**	**J**	2.5	0.21	mg/Kg	☼	06/29/22 12:01	06/30/22 12:13	2
Aluminum	**11100**		50.6	3.8	mg/Kg	☼	06/29/22 12:01	06/30/22 12:13	2
Arsenic	**38.4**		3.8	0.79	mg/Kg	☼	06/29/22 12:01	06/30/22 12:13	2
Barium	**2130**		50.6	1.9	mg/Kg	☼	06/29/22 12:01	06/30/22 12:13	2
Beryllium	**0.30**	**J**	0.51	0.056	mg/Kg	☼	06/29/22 12:01	06/30/22 12:13	2
Calcium	**5250**		1270	54.0	mg/Kg	☼	06/29/22 12:01	06/30/22 12:13	2
Cadmium	**3.0**		1.0	0.20	mg/Kg	☼	06/29/22 12:01	06/30/22 12:13	2
Cobalt	**24.2**		12.7	0.63	mg/Kg	☼	06/29/22 12:01	06/30/22 12:13	2
Chromium	**102**		2.5	0.27	mg/Kg	☼	06/29/22 12:01	06/30/22 12:13	2
Copper	**564**		6.3	0.46	mg/Kg	☼	06/29/22 12:01	06/30/22 12:13	2
Iron	**194000**		190	38.0	mg/Kg	☼	06/29/22 12:01	06/30/22 16:05	10
Potassium	**1860**		1270	62.1	mg/Kg	☼	06/29/22 12:01	06/30/22 12:13	2
Magnesium	**1370**		1270	75.2	mg/Kg	☼	06/29/22 12:01	06/30/22 12:13	2
Manganese	**988**		3.8	0.30	mg/Kg	☼	06/29/22 12:01	06/30/22 12:13	2
Sodium	**614**	**J**	1270	70.7	mg/Kg	☼	06/29/22 12:01	06/30/22 12:13	2
Nickel	**71.3**		10.1	0.35	mg/Kg	☼	06/29/22 12:01	06/30/22 12:13	2
Lead	**2880**		2.5	0.67	mg/Kg	☼	06/29/22 12:01	06/30/22 12:13	2
Antimony	**12.7**		5.1	0.48	mg/Kg	☼	06/29/22 12:01	06/30/22 12:13	2
Selenium	**6.1**		5.1	1.6	mg/Kg	☼	06/29/22 12:01	06/30/22 12:13	2
Thallium	**4.0**	**J**	5.1	0.76	mg/Kg	☼	06/29/22 12:01	06/30/22 12:13	2
Vanadium	**32.3**		12.7	0.68	mg/Kg	☼	06/29/22 12:01	06/30/22 12:13	2
Zinc	**1380**		7.6	0.44	mg/Kg	☼	06/29/22 12:01	06/30/22 12:13	2

Client Sample ID: BHP-HA07-COMP-S002
Lab Sample ID: 460-260852-16
Date Collected: 06/23/22 14:30
Matrix: Solid
Date Received: 06/24/22 19:00
Percent Solids: 75.3

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.037		0.021	0.010	mg/Kg	☼	06/28/22 01:14	06/28/22 06:11	1

Client Sample ID: BHP-HA08-COMP-S001
Lab Sample ID: 460-260852-17
Date Collected: 06/23/22 14:45
Matrix: Solid
Date Received: 06/24/22 19:00
Percent Solids: 76.7

Method: 8270C - Semivolatile Organics (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	640		430	12	ug/Kg	☼	06/29/22 21:56	06/30/22 02:19	1
Anthracene	1500		430	13	ug/Kg	☼	06/29/22 21:56	06/30/22 02:19	1
Benzo[a]anthracene	3700		43	15	ug/Kg	☼	06/29/22 21:56	06/30/22 02:19	1
Benzo[b]fluoranthene	4200		43	11	ug/Kg	☼	06/29/22 21:56	06/30/22 02:19	1
Benzo[a]pyrene	2900		43	11	ug/Kg	☼	06/29/22 21:56	06/30/22 02:19	1
Benzo[g,h,i]perylene	1200		430	13	ug/Kg	☼	06/29/22 21:56	06/30/22 02:19	1
Benzo[k]fluoranthene	1500		43	8.5	ug/Kg	☼	06/29/22 21:56	06/30/22 02:19	1
Chrysene	4000		430	7.3	ug/Kg	☼	06/29/22 21:56	06/30/22 02:19	1
Dibenz(a,h)anthracene	410		43	19	ug/Kg	☼	06/29/22 21:56	06/30/22 02:19	1
Fluoranthene	8200		430	15	ug/Kg	☼	06/29/22 21:56	06/30/22 02:19	1
Naphthalene	640		430	7.5	ug/Kg	☼	06/29/22 21:56	06/30/22 02:19	1
Phenanthrene	6900		430	7.6	ug/Kg	☼	06/29/22 21:56	06/30/22 02:19	1
Pyrene	6800		430	11	ug/Kg	☼	06/29/22 21:56	06/30/22 02:19	1
Fluorene	850		430	13	ug/Kg	☼	06/29/22 21:56	06/30/22 02:19	1
Acenaphthene	370	J	430	12	ug/Kg	☼	06/29/22 21:56	06/30/22 02:19	1
Indeno[1,2,3-cd]pyrene	1700		43	17	ug/Kg	☼	06/29/22 21:56	06/30/22 02:19	1
2-Chloronaphthalene	20	U	430	20	ug/Kg	☼	06/29/22 21:56	06/30/22 02:19	1
2-Methylnaphthalene	540		430	12	ug/Kg	☼	06/29/22 21:56	06/30/22 02:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*37*		*22 - 122*	*06/29/22 21:56*	*06/30/22 02:19*	*1*
Nitrobenzene-d5 (Surr)	*36*		*16 - 125*	*06/29/22 21:56*	*06/30/22 02:19*	*1*
Terphenyl-d14 (Surr)	*35*		*25 - 126*	*06/29/22 21:56*	*06/30/22 02:19*	*1*

Method: 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.60	J	2.5	0.20	mg/Kg	☼	06/29/22 12:01	06/30/22 12:17	2
Aluminum	7390		49.7	3.8	mg/Kg	☼	06/29/22 12:01	06/30/22 12:17	2
Arsenic	24.1		3.7	0.78	mg/Kg	☼	06/29/22 12:01	06/30/22 12:17	2
Barium	1260		49.7	1.9	mg/Kg	☼	06/29/22 12:01	06/30/22 12:17	2
Beryllium	0.41	J	0.50	0.055	mg/Kg	☼	06/29/22 12:01	06/30/22 12:17	2
Calcium	4680		1240	53.0	mg/Kg	☼	06/29/22 12:01	06/30/22 12:17	2
Cadmium	1.4		0.99	0.19	mg/Kg	☼	06/29/22 12:01	06/30/22 12:17	2
Cobalt	9.8	J	12.4	0.62	mg/Kg	☼	06/29/22 12:01	06/30/22 12:17	2
Chromium	68.5		2.5	0.27	mg/Kg	☼	06/29/22 12:01	06/30/22 12:17	2
Copper	211		6.2	0.45	mg/Kg	☼	06/29/22 12:01	06/30/22 12:17	2
Iron	61600		37.2	7.5	mg/Kg	☼	06/29/22 12:01	06/30/22 12:17	2
Potassium	650	J	1240	61.0	mg/Kg	☼	06/29/22 12:01	06/30/22 12:17	2
Magnesium	1380		1240	73.8	mg/Kg	☼	06/29/22 12:01	06/30/22 12:17	2
Manganese	399		3.7	0.30	mg/Kg	☼	06/29/22 12:01	06/30/22 12:17	2
Sodium	134	J	1240	69.4	mg/Kg	☼	06/29/22 12:01	06/30/22 12:17	2
Nickel	34.1		9.9	0.35	mg/Kg	☼	06/29/22 12:01	06/30/22 12:17	2

Client Sample ID: BHP-HA08-COMP-S001 — Lab Sample ID: 460-260852-17

Date Collected: 06/23/22 14:45 — **Matrix: Solid**
Date Received: 06/24/22 19:00 — **Percent Solids: 76.7**

Method: 6010D - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1820		2.5	0.66	mg/Kg	☼	06/29/22 12:01	06/30/22 12:17	2
Antimony	5.1		5.0	0.47	mg/Kg	☼	06/29/22 12:01	06/30/22 12:17	2
Selenium	3.3	J	5.0	1.5	mg/Kg	☼	06/29/22 12:01	06/30/22 12:17	2
Thallium	1.6	J	5.0	0.74	mg/Kg	☼	06/29/22 12:01	06/30/22 12:17	2
Vanadium	30.3		12.4	0.67	mg/Kg	☼	06/29/22 12:01	06/30/22 12:17	2
Zinc	1900		7.4	0.43	mg/Kg	☼	06/29/22 12:01	06/30/22 12:17	2

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	1.5		0.11	0.050	mg/Kg	☼	06/28/22 01:14	06/28/22 07:22	5

Client Sample ID: BHP-HA08-COMP-S002 — Lab Sample ID: 460-260852-18

Date Collected: 06/23/22 14:58 — **Matrix: Solid**
Date Received: 06/24/22 19:00 — **Percent Solids: 82.5**

Method: 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	4.5	F1	2.4	0.20	mg/Kg	☼	06/29/22 10:58	06/30/22 11:19	2
Aluminum	8700		48.5	3.7	mg/Kg	☼	06/29/22 10:58	06/30/22 11:19	2
Arsenic	21.0		3.6	0.76	mg/Kg	☼	06/29/22 10:58	06/30/22 11:19	2
Barium	883	F1	48.5	1.8	mg/Kg	☼	06/29/22 10:58	06/30/22 11:19	2
Beryllium	0.34	J	0.48	0.053	mg/Kg	☼	06/29/22 10:58	06/30/22 11:19	2
Calcium	5800	F1	1210	51.7	mg/Kg	☼	06/29/22 10:58	06/30/22 11:19	2
Cadmium	0.95	J	0.97	0.19	mg/Kg	☼	06/29/22 10:58	06/30/22 11:19	2
Cobalt	13.8		12.1	0.61	mg/Kg	☼	06/29/22 10:58	06/30/22 11:19	2
Chromium	57.4	F1	2.4	0.26	mg/Kg	☼	06/29/22 10:58	06/30/22 11:19	2
Copper	140		6.1	0.44	mg/Kg	☼	06/29/22 10:58	06/30/22 11:19	2
Iron	63200		36.3	7.3	mg/Kg	☼	06/29/22 10:58	06/30/22 11:19	2
Potassium	543	J	1210	59.5	mg/Kg	☼	06/29/22 10:58	06/30/22 11:19	2
Magnesium	1670		1210	72.0	mg/Kg	☼	06/29/22 10:58	06/30/22 11:19	2
Manganese	430		3.6	0.29	mg/Kg	☼	06/29/22 10:58	06/30/22 11:19	2
Sodium	177	J	1210	67.7	mg/Kg	☼	06/29/22 10:58	06/30/22 11:19	2
Nickel	35.1		9.7	0.34	mg/Kg	☼	06/29/22 10:58	06/30/22 11:19	2
Lead	1160		2.4	0.64	mg/Kg	☼	06/29/22 10:58	06/30/22 11:19	2
Antimony	4.9	F1	4.8	0.46	mg/Kg	☼	06/29/22 10:58	06/30/22 11:19	2
Selenium	1.6	J	4.8	1.5	mg/Kg	☼	06/29/22 10:58	06/30/22 11:19	2
Thallium	1.4	J	4.8	0.72	mg/Kg	☼	06/29/22 10:58	06/30/22 11:19	2
Vanadium	29.9		12.1	0.65	mg/Kg	☼	06/29/22 10:58	06/30/22 11:19	2
Zinc	925		7.3	0.42	mg/Kg	☼	06/29/22 10:58	06/30/22 11:19	2

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.61		0.021	0.0097	mg/Kg	☼	06/28/22 01:14	06/28/22 07:28	1

Client Sample ID: BHP-FS-GRAB-S301 — Lab Sample ID: 460-260852-19

Date Collected: 06/23/22 15:30 — **Matrix: Solid**
Date Received: 06/24/22 19:00

Method: 8260B - Volatile Organics (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	25	U	120	25	ug/Kg		06/27/22 17:20	06/29/22 16:55	50

Client Sample ID: BHP-FS-GRAB-S301
Lab Sample ID: 460-260852-19

Date Collected: 06/23/22 15:30
Matrix: Solid
Date Received: 06/24/22 19:00

Method: 8260B - Volatile Organics (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	30	U	120	30	ug/Kg		06/27/22 17:20	06/29/22 16:55	50
Ethylbenzene	37	U	120	37	ug/Kg		06/27/22 17:20	06/29/22 16:55	50
Xylenes, Total	34	U	240	34	ug/Kg		06/27/22 17:20	06/29/22 16:55	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*81*		*68 - 150*	*06/27/22 17:20*	*06/29/22 16:55*	*50*
4-Bromofluorobenzene	*82*		*70 - 150*	*06/27/22 17:20*	*06/29/22 16:55*	*50*
Toluene-d8 (Surr)	*88*		*80 - 147*	*06/27/22 17:20*	*06/29/22 16:55*	*50*
Dibromofluoromethane (Surr)	*77*		*68 - 150*	*06/27/22 17:20*	*06/29/22 16:55*	*50*

Surrogate Summary

Client: BrightFields, Inc.
Job ID: 460-260852-1
Project/Site: Hicks Park Limited Phase 2

Method: 8260B - Volatile Organics (GC/MS)

Matrix: Solid
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(68-150)	(70-150)	(80-147)	(68-150)
460-260852-2	BHP-FENCE-COMP-S001	83	83	89	75
460-260852-19	BHP-FS-GRAB-S301	81	82	88	77
LCS 460-852635/3	Lab Control Sample	107	107	110	110
LCSD 460-852635/4	Lab Control Sample Dup	96	96	99	100
MB 460-852635/8	Method Blank	90	91	95	94

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene
TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Solid
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(70-128)	(76-120)	(77-124)	(80-120)
LCS 460-852839/3	Lab Control Sample	110	88	97	93
LCSD 460-852839/4	Lab Control Sample Dup	108	89	96	93
MB 460-852839/8	Method Blank	111	87	98	92

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Solid
Prep Type: TCLP

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(70-128)	(76-120)	(77-124)	(80-120)
460-260852-2	BHP-FENCE-COMP-S001	113	88	101	93
LB 460-852599/1-A	Method Blank	111	84	98	90

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8270C - Semivolatile Organics (GC/MS)

Matrix: Solid
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		FBP	NBZ	TPHL
Lab Sample ID	Client Sample ID	(22-122)	(16-125)	(25-126)
460-260852-3	BHP-HA01-COMP-S001	85	86	82
460-260852-7	BHP-HA03-COMP-S001	87	85	98
460-260852-8	BHP-HA03-COMP-S002	88	88	88

Method: 8270C - Semivolatile Organics (GC/MS) (Continued)

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

		Percent Surrogate Recovery (Acceptance Limits)		
		FBP	NBZ	TPHL
Lab Sample ID	Client Sample ID	(22-122)	(16-125)	(25-126)
460-260852-11	BHP-HA05-COMP-S001	55	56	58
460-260852-11 - DL	BHP-HA05-COMP-S001	52 D	55 D	53 D
460-260852-11 - DL2	BHP-HA05-COMP-S001	48 D	48 D	50 D
460-260852-15	BHP-HA07-COMP-S001	70	66	65
460-260852-16	BHP-HA07-COMP-S002	85	85	85
460-260852-17	BHP-HA08-COMP-S001	37	36	35
460-260962-A-1-G MS	Matrix Spike	57	57	64
460-260962-A-1-H MSD	Matrix Spike Duplicate	46	46	51
LCS 460-852750/2-A	Lab Control Sample	84	83	94
LCSD 460-852750/3-A	Lab Control Sample Dup	90	91	99
MB 460-852750/1-A	Method Blank	86	85	101

Surrogate Legend

FBP = 2-Fluorobiphenyl
NBZ = Nitrobenzene-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)

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

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

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(37-150)	(46-139)	(19-80)	(52-137)	(10-56)	(22-150)
LCS 460-852633/2-A	Lab Control Sample	135	95	42	104	30	87
LCSD 460-852633/3-A	Lab Control Sample Dup	123	87	38	96	28	81
MB 460-852633/1-A	Method Blank	137	100	40	106	26	90

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 (Surr)

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

Matrix: Solid **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(37-150)	(46-139)	(19-80)	(52-137)	(10-56)	(22-150)
460-260852-2	BHP-FENCE-COMP-S001	135	104	44	107	29	71
LB 460-852487/1-D	Method Blank	143	108	44	117	29	119

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 (Surr)

Surrogate Summary

Client: BrightFields, Inc. Job ID: 460-260852-1
Project/Site: Hicks Park Limited Phase 2

Method: 8081B - Organochlorine Pesticides (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1	DCBP2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(15-121)	(15-121)	(17-120)	(17-120)
LCS 460-852619/2-A	Lab Control Sample	84	78	79	81
LCSD 460-852619/3-A	Lab Control Sample Dup	84	77	79	80
MB 460-852619/1-A	Method Blank	86	81	81	85

Surrogate Legend

DCBP = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1	DCBP2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(15-121)	(15-121)	(17-120)	(17-120)
460-260852-2	BHP-FENCE-COMP-S001	90	79	70	75
LB 460-852487/1-C	Method Blank	81	77	75	78

Surrogate Legend

DCBP = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

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

		Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1	DCBP2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(10-150)	(10-150)	(42-150)	(42-150)
460-260574-E-1-B MS	Matrix Spike	81	113	82	113
460-260574-E-1-C MSD	Matrix Spike Duplicate	67	82	68	80
460-260852-2	BHP-FENCE-COMP-S001	105	103	97	96
LCS 460-852512/2-A	Lab Control Sample	111	114	101	105
LCSD 460-852512/3-A	Lab Control Sample Dup	113	115	105	109
MB 460-852512/1-A	Method Blank	87	87	91	94

Surrogate Legend

DCBP = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Method: 8151A - Herbicides (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
		DCPAA1	DCPAA2
Lab Sample ID	Client Sample ID	(10-150)	(10-150)
LCS 460-852613/2-A	Lab Control Sample	84	84
LCSD 460-852613/3-A	Lab Control Sample Dup	88	88
MB 460-852613/1-A	Method Blank	85	80

Surrogate Legend

DCPAA = 2,4-Dichlorophenylacetic acid

Surrogate Summary

Client: BrightFields, Inc. Job ID: 460-260852-1
Project/Site: Hicks Park Limited Phase 2

Method: 8151A - Herbicides (GC)

Matrix: Solid **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)									
Lab Sample ID	Client Sample ID	DCPAA1 (10-150)	DCPAA2 (10-150)								
460-260852-2	BHP-FENCE-COMP-S001	51	52								
LB 460-852487/1-B	Method Blank	84	75								

Surrogate Legend

DCPAA = 2,4-Dichlorophenylacetic acid

Method: 8260B - Volatile Organics (GC/MS)

Lab Sample ID: MB 460-852635/8
Matrix: Solid
Analysis Batch: 852635

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	10	U	50	10	ug/Kg			06/29/22 12:43	50
Toluene	13	U	50	13	ug/Kg			06/29/22 12:43	50
Ethylbenzene	15	U	50	15	ug/Kg			06/29/22 12:43	50
Xylenes, Total	14	U	100	14	ug/Kg			06/29/22 12:43	50

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*68 - 150*		*06/29/22 12:43*	*50*
4-Bromofluorobenzene	*91*		*70 - 150*		*06/29/22 12:43*	*50*
Toluene-d8 (Surr)	*95*		*80 - 147*		*06/29/22 12:43*	*50*
Dibromofluoromethane (Surr)	*94*		*68 - 150*		*06/29/22 12:43*	*50*

Lab Sample ID: LCS 460-852635/3
Matrix: Solid
Analysis Batch: 852635

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			1000	1080		ug/Kg		108	80 - 120		
Toluene			1000	1060		ug/Kg		106	80 - 120		
Ethylbenzene			1000	1110		ug/Kg		111	76 - 121		
Xylenes, Total			2000	2130		ug/Kg		107	77 - 121		
m-Xylene & p-Xylene			1000	1090		ug/Kg		109	72 - 120		
o-Xylene			1000	1040		ug/Kg		104	78 - 123		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*107*		*68 - 150*
4-Bromofluorobenzene	*107*		*70 - 150*
Toluene-d8 (Surr)	*110*		*80 - 147*
Dibromofluoromethane (Surr)	*110*		*68 - 150*

Lab Sample ID: LCSD 460-852635/4
Matrix: Solid
Analysis Batch: 852635

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			1000	958		ug/Kg		96	80 - 120	12	30
Toluene			1000	948		ug/Kg		95	80 - 120	11	30
Ethylbenzene			1000	998		ug/Kg		100	76 - 121	10	30
Xylenes, Total			2000	1880		ug/Kg		94	77 - 121	13	30
m-Xylene & p-Xylene			1000	953		ug/Kg		95	72 - 120	14	30
o-Xylene			1000	925		ug/Kg		92	78 - 123	12	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*96*		*68 - 150*
4-Bromofluorobenzene	*96*		*70 - 150*
Toluene-d8 (Surr)	*99*		*80 - 147*
Dibromofluoromethane (Surr)	*100*		*68 - 150*

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 460-852839/8
Matrix: Solid
Analysis Batch: 852839

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.00026	U	0.0010	0.00026	mg/L			06/30/22 10:11	1
1,2-Dichloroethane	0.00043	U	0.0010	0.00043	mg/L			06/30/22 10:11	1
2-Butanone (MEK)	0.0019	U	0.0050	0.0019	mg/L			06/30/22 10:11	1
Benzene	0.00020	U	0.0010	0.00020	mg/L			06/30/22 10:11	1
Carbon tetrachloride	0.00021	U	0.0010	0.00021	mg/L			06/30/22 10:11	1
Chlorobenzene	0.00038	U	0.0010	0.00038	mg/L			06/30/22 10:11	1
Chloroform	0.00033	U	0.0010	0.00033	mg/L			06/30/22 10:11	1
Tetrachloroethene	0.00025	U	0.0010	0.00025	mg/L			06/30/22 10:11	1
Trichloroethene	0.00031	U	0.0010	0.00031	mg/L			06/30/22 10:11	1
Vinyl chloride	0.00017	U	0.0010	0.00017	mg/L			06/30/22 10:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*70 - 128*		*06/30/22 10:11*	*1*
4-Bromofluorobenzene	*87*		*76 - 120*		*06/30/22 10:11*	*1*
Dibromofluoromethane (Surr)	*98*		*77 - 124*		*06/30/22 10:11*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*		*06/30/22 10:11*	*1*

Lab Sample ID: LCS 460-852839/3
Matrix: Solid
Analysis Batch: 852839

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,1-Dichloroethene			0.0200	0.0148		mg/L		74	68 - 133		
1,2-Dichloroethane			0.0200	0.0229		mg/L		114	66 - 129		
2-Butanone (MEK)			0.100	0.0850		mg/L		85	61 - 128		
Benzene			0.0200	0.0191		mg/L		96	71 - 126		
Carbon tetrachloride			0.0200	0.0188		mg/L		94	61 - 131		
Chlorobenzene			0.0200	0.0190		mg/L		95	80 - 120		
Chloroform			0.0200	0.0212		mg/L		106	78 - 125		
Tetrachloroethene			0.0200	0.0176		mg/L		88	70 - 127		
Trichloroethene			0.0200	0.0178		mg/L		89	71 - 121		
Vinyl chloride			0.0200	0.0203		mg/L		101	55 - 144		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*110*		*70 - 128*
4-Bromofluorobenzene	*88*		*76 - 120*
Dibromofluoromethane (Surr)	*97*		*77 - 124*
Toluene-d8 (Surr)	*93*		*80 - 120*

Lab Sample ID: LCSD 460-852839/4
Matrix: Solid
Analysis Batch: 852839

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1-Dichloroethene			0.0200	0.0152		mg/L		76	68 - 133	3	30
1,2-Dichloroethane			0.0200	0.0220		mg/L		110	66 - 129	4	30
2-Butanone (MEK)			0.100	0.0825		mg/L		83	61 - 128	3	30
Benzene			0.0200	0.0188		mg/L		94	71 - 126	2	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-852839/4
Matrix: Solid
Analysis Batch: 852839

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Carbon tetrachloride			0.0200	0.0180		mg/L		90	61 - 131	4	30
Chlorobenzene			0.0200	0.0189		mg/L		95	80 - 120	0	30
Chloroform			0.0200	0.0203		mg/L		102	78 - 125	4	30
Tetrachloroethene			0.0200	0.0173		mg/L		86	70 - 127	2	30
Trichloroethene			0.0200	0.0178		mg/L		89	71 - 121	0	30
Vinyl chloride			0.0200	0.0199		mg/L		99	55 - 144	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*108*		*70 - 128*
4-Bromofluorobenzene	*89*		*76 - 120*
Dibromofluoromethane (Surr)	*96*		*77 - 124*
Toluene-d8 (Surr)	*93*		*80 - 120*

Lab Sample ID: LB 460-852599/1-A
Matrix: Solid
Analysis Batch: 852839

Client Sample ID: Method Blank
Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.0026	U	0.010	0.0026	mg/L			06/30/22 10:57	10
1,2-Dichloroethane	0.0043	U	0.010	0.0043	mg/L			06/30/22 10:57	10
2-Butanone (MEK)	0.019	U	0.050	0.019	mg/L			06/30/22 10:57	10
Benzene	0.0020	U	0.010	0.0020	mg/L			06/30/22 10:57	10
Carbon tetrachloride	0.0021	U	0.010	0.0021	mg/L			06/30/22 10:57	10
Chlorobenzene	0.0038	U	0.010	0.0038	mg/L			06/30/22 10:57	10
Chloroform	0.0033	U	0.010	0.0033	mg/L			06/30/22 10:57	10
Tetrachloroethene	0.0025	U	0.010	0.0025	mg/L			06/30/22 10:57	10
Trichloroethene	0.0031	U	0.010	0.0031	mg/L			06/30/22 10:57	10
Vinyl chloride	0.0017	U	0.010	0.0017	mg/L			06/30/22 10:57	10

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*70 - 128*		*06/30/22 10:57*	*10*
4-Bromofluorobenzene	*84*		*76 - 120*		*06/30/22 10:57*	*10*
Dibromofluoromethane (Surr)	*98*		*77 - 124*		*06/30/22 10:57*	*10*
Toluene-d8 (Surr)	*90*		*80 - 120*		*06/30/22 10:57*	*10*

Method: 8270C - Semivolatile Organics (GC/MS)

Lab Sample ID: MB 460-852750/1-A
Matrix: Solid
Analysis Batch: 852810

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 852750

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	9.5	U	330	9.5	ug/Kg		06/29/22 17:17	06/29/22 23:11	1
Anthracene	10	U	330	10	ug/Kg		06/29/22 17:17	06/29/22 23:11	1
Benzo[a]anthracene	12	U	33	12	ug/Kg		06/29/22 17:17	06/29/22 23:11	1
Benzo[b]fluoranthene	8.6	U	33	8.6	ug/Kg		06/29/22 17:17	06/29/22 23:11	1
Benzo[a]pyrene	8.8	U	33	8.8	ug/Kg		06/29/22 17:17	06/29/22 23:11	1
Benzo[g,h,i]perylene	9.8	U	330	9.8	ug/Kg		06/29/22 17:17	06/29/22 23:11	1

Method: 8270C - Semivolatile Organics (GC/MS) (Continued)

Lab Sample ID: MB 460-852750/1-A
Matrix: Solid
Analysis Batch: 852810

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 852750

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	6.5	U	33	6.5	ug/Kg		06/29/22 17:17	06/29/22 23:11	1
Chrysene	5.6	U	330	5.6	ug/Kg		06/29/22 17:17	06/29/22 23:11	1
Dibenz(a,h)anthracene	14	U	33	14	ug/Kg		06/29/22 17:17	06/29/22 23:11	1
Fluoranthene	12	U	330	12	ug/Kg		06/29/22 17:17	06/29/22 23:11	1
Naphthalene	5.7	U	330	5.7	ug/Kg		06/29/22 17:17	06/29/22 23:11	1
Phenanthrene	5.8	U	330	5.8	ug/Kg		06/29/22 17:17	06/29/22 23:11	1
Pyrene	8.2	U	330	8.2	ug/Kg		06/29/22 17:17	06/29/22 23:11	1
Fluorene	9.7	U	330	9.7	ug/Kg		06/29/22 17:17	06/29/22 23:11	1
Acenaphthene	9.4	U	330	9.4	ug/Kg		06/29/22 17:17	06/29/22 23:11	1
Indeno[1,2,3-cd]pyrene	13	U	33	13	ug/Kg		06/29/22 17:17	06/29/22 23:11	1
2-Chloronaphthalene	15	U	330	15	ug/Kg		06/29/22 17:17	06/29/22 23:11	1
2-Methylnaphthalene	9.3	U	330	9.3	ug/Kg		06/29/22 17:17	06/29/22 23:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*86*		*22 - 122*	*06/29/22 17:17*	*06/29/22 23:11*	*1*
Nitrobenzene-d5 (Surr)	*85*		*16 - 125*	*06/29/22 17:17*	*06/29/22 23:11*	*1*
Terphenyl-d14 (Surr)	*101*		*25 - 126*	*06/29/22 17:17*	*06/29/22 23:11*	*1*

Lab Sample ID: LCS 460-852750/2-A
Matrix: Solid
Analysis Batch: 852810

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 852750

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthylene	3330	2940		ug/Kg		88	64 - 120
Anthracene	3330	3090		ug/Kg		93	67 - 120
Benzo[a]anthracene	3330	3040		ug/Kg		91	62 - 120
Benzo[b]fluoranthene	3330	3240		ug/Kg		97	70 - 125
Benzo[a]pyrene	3330	2940		ug/Kg		88	73 - 123
Benzo[g,h,i]perylene	3330	3240		ug/Kg		97	66 - 120
Benzo[k]fluoranthene	3330	3280		ug/Kg		98	67 - 122
Chrysene	3330	3300		ug/Kg		99	63 - 120
Dibenz(a,h)anthracene	3330	3310		ug/Kg		99	66 - 128
Fluoranthene	3330	2980		ug/Kg		89	61 - 120
Naphthalene	3330	2860		ug/Kg		86	63 - 120
Phenanthrene	3330	3060		ug/Kg		92	66 - 120
Pyrene	3330	3390		ug/Kg		102	61 - 121
Fluorene	3330	3180		ug/Kg		95	60 - 120
Acenaphthene	3330	2900		ug/Kg		87	49 - 120
Indeno[1,2,3-cd]pyrene	3330	3400		ug/Kg		102	62 - 130
2-Chloronaphthalene	3330	3130		ug/Kg		94	60 - 120
2-Methylnaphthalene	3330	2580		ug/Kg		77	64 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*84*		*22 - 122*
Nitrobenzene-d5 (Surr)	*83*		*16 - 125*
Terphenyl-d14 (Surr)	*94*		*25 - 126*

Method: 8270C - Semivolatile Organics (GC/MS) (Continued)

Lab Sample ID: LCSD 460-852750/3-A
Client Sample ID: Lab Control Sample Dup
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 852810
Prep Batch: 852750

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthylene			3330	3210		ug/Kg		96	64 - 120	9	30
Anthracene			3330	3370		ug/Kg		101	67 - 120	9	30
Benzo[a]anthracene			3330	3410		ug/Kg		102	62 - 120	11	30
Benzo[b]fluoranthene			3330	3410		ug/Kg		102	70 - 125	5	30
Benzo[a]pyrene			3330	3190		ug/Kg		96	73 - 123	8	30
Benzo[g,h,i]perylene			3330	3440		ug/Kg		103	66 - 120	6	30
Benzo[k]fluoranthene			3330	3640		ug/Kg		109	67 - 122	10	30
Chrysene			3330	3350		ug/Kg		100	63 - 120	1	30
Dibenz(a,h)anthracene			3330	3550		ug/Kg		107	66 - 128	7	30
Fluoranthene			3330	3200		ug/Kg		96	61 - 120	7	30
Naphthalene			3330	3130		ug/Kg		94	63 - 120	9	30
Phenanthrene			3330	3320		ug/Kg		99	66 - 120	8	30
Pyrene			3330	3560		ug/Kg		107	61 - 121	5	30
Fluorene			3330	3440		ug/Kg		103	60 - 120	8	30
Acenaphthene			3330	3190		ug/Kg		96	49 - 120	10	30
Indeno[1,2,3-cd]pyrene			3330	3590		ug/Kg		108	62 - 130	5	30
2-Chloronaphthalene			3330	3350		ug/Kg		100	60 - 120	7	30
2-Methylnaphthalene			3330	2820		ug/Kg		85	64 - 120	9	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*90*		*22 - 122*
Nitrobenzene-d5 (Surr)	*91*		*16 - 125*
Terphenyl-d14 (Surr)	*99*		*25 - 126*

Lab Sample ID: 460-260962-A-1-G MS
Client Sample ID: Matrix Spike
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 852810
Prep Batch: 852750

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthylene	12	U F1	4340	2650	F1	ug/Kg	☼	61	64 - 120
Anthracene	13	U F1	4340	2760	F1	ug/Kg	☼	64	67 - 120
Benzo[a]anthracene	15	U F1	4340	2790		ug/Kg	☼	64	62 - 120
Benzo[b]fluoranthene	11	U F1	4340	2900	F1	ug/Kg	☼	67	70 - 125
Benzo[a]pyrene	11	U F1	4340	2620	F1	ug/Kg	☼	60	73 - 123
Benzo[g,h,i]perylene	13	U F1	4340	2770	F1	ug/Kg	☼	64	66 - 120
Benzo[k]fluoranthene	8.4	U F1	4340	2870	F1	ug/Kg	☼	66	67 - 122
Chrysene	7.8	J F1	4340	2780		ug/Kg	☼	64	63 - 120
Dibenz(a,h)anthracene	19	U F1	4340	2890		ug/Kg	☼	67	66 - 128
Fluoranthene	15	U F1	4340	2630		ug/Kg	☼	61	61 - 120
Naphthalene	7.4	U F1	4340	2610	F1	ug/Kg	☼	60	63 - 120
Phenanthrene	7.6	U F1	4340	2780	F1	ug/Kg	☼	64	66 - 120
Pyrene	14	J F1	4340	3020		ug/Kg	☼	69	61 - 121
Fluorene	13	U F1	4340	2870		ug/Kg	☼	66	60 - 120
Acenaphthene	12	U F1	4340	2590		ug/Kg	☼	60	49 - 120
Indeno[1,2,3-cd]pyrene	17	U F1	4340	2950		ug/Kg	☼	68	62 - 130
2-Chloronaphthalene	20	U F1	4340	2800		ug/Kg	☼	65	60 - 120
2-Methylnaphthalene	12	U F1	4340	2360	F1	ug/Kg	☼	54	64 - 120

Method: 8270C - Semivolatile Organics (GC/MS) (Continued)

Lab Sample ID: 460-260962-A-1-G MS **Client Sample ID: Matrix Spike**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 852810 **Prep Batch: 852750**

Surrogate	MS %Recovery	MS Qualifier	Limits
2-Fluorobiphenyl	*57*		*22 - 122*
Nitrobenzene-d5 (Surr)	*57*		*16 - 125*
Terphenyl-d14 (Surr)	*64*		*25 - 126*

Lab Sample ID: 460-260962-A-1-H MSD **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 852810 **Prep Batch: 852750**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthylene	12	U F1	4340	2090	F1	ug/Kg	☼	48	64 - 120	23	30
Anthracene	13	U F1	4340	2180	F1	ug/Kg	☼	50	67 - 120	24	30
Benzo[a]anthracene	15	U F1	4340	2230	F1	ug/Kg	☼	51	62 - 120	22	30
Benzo[b]fluoranthene	11	U F1	4340	2220	F1	ug/Kg	☼	51	70 - 125	26	30
Benzo[a]pyrene	11	U F1	4340	2020	F1	ug/Kg	☼	47	73 - 123	26	30
Benzo[g,h,i]perylene	13	U F1	4340	2170	F1	ug/Kg	☼	50	66 - 120	24	30
Benzo[k]fluoranthene	8.4	U F1	4340	2220	F1	ug/Kg	☼	51	67 - 122	26	30
Chrysene	7.8	J F1	4340	2180	F1	ug/Kg	☼	50	63 - 120	24	30
Dibenz(a,h)anthracene	19	U F1	4340	2260	F1	ug/Kg	☼	52	66 - 128	25	30
Fluoranthene	15	U F1	4340	2060	F1	ug/Kg	☼	48	61 - 120	24	30
Naphthalene	7.4	U F1	4340	2080	F1	ug/Kg	☼	48	63 - 120	22	30
Phenanthrene	7.6	U F1	4340	2140	F1	ug/Kg	☼	49	66 - 120	26	30
Pyrene	14	J F1	4340	2360	F1	ug/Kg	☼	54	61 - 121	25	30
Fluorene	13	U F1	4340	2290	F1	ug/Kg	☼	53	60 - 120	23	30
Acenaphthene	12	U F1	4340	2060	F1	ug/Kg	☼	48	49 - 120	23	30
Indeno[1,2,3-cd]pyrene	17	U F1	4340	2270	F1	ug/Kg	☼	52	62 - 130	26	30
2-Chloronaphthalene	20	U F1	4340	2200	F1	ug/Kg	☼	51	60 - 120	24	30
2-Methylnaphthalene	12	U F1	4340	1870	F1	ug/Kg	☼	43	64 - 120	24	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2-Fluorobiphenyl	*46*		*22 - 122*
Nitrobenzene-d5 (Surr)	*46*		*16 - 125*
Terphenyl-d14 (Surr)	*51*		*25 - 126*

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

Lab Sample ID: MB 460-852633/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 852775 **Prep Batch: 852633**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.00044	U	0.010	0.00044	mg/L		06/29/22 09:31	06/29/22 19:29	1
2,4,5-Trichlorophenol	0.00088	U	0.010	0.00088	mg/L		06/29/22 09:31	06/29/22 19:29	1
2,4,6-Trichlorophenol	0.00086	U	0.010	0.00086	mg/L		06/29/22 09:31	06/29/22 19:29	1
2,4-Dinitrotoluene	0.0010	U	0.0020	0.0010	mg/L		06/29/22 09:31	06/29/22 19:29	1
2-Methylphenol	0.00067	U	0.010	0.00067	mg/L		06/29/22 09:31	06/29/22 19:29	1
3 & 4 Methylphenol	0.00064	U	0.010	0.00064	mg/L		06/29/22 09:31	06/29/22 19:29	1
Hexachlorobenzene	0.00040	U	0.0010	0.00040	mg/L		06/29/22 09:31	06/29/22 19:29	1
Hexachlorobutadiene	0.00078	U	0.0020	0.00078	mg/L		06/29/22 09:31	06/29/22 19:29	1

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

Lab Sample ID: MB 460-852633/1-A
Client Sample ID: Method Blank
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 852775
Prep Batch: 852633

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachloroethane	0.00080	U	0.0020	0.00080	mg/L		06/29/22 09:31	06/29/22 19:29	1
Nitrobenzene	0.00057	U	0.0010	0.00057	mg/L		06/29/22 09:31	06/29/22 19:29	1
Pentachlorophenol	0.0014	U	0.030	0.0014	mg/L		06/29/22 09:31	06/29/22 19:29	1
Pyridine	0.0019	U	0.010	0.0019	mg/L		06/29/22 09:31	06/29/22 19:29	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*137*		*37 - 150*	*06/29/22 09:31*	*06/29/22 19:29*	*1*
2-Fluorobiphenyl	*100*		*46 - 139*	*06/29/22 09:31*	*06/29/22 19:29*	*1*
2-Fluorophenol (Surr)	*40*		*19 - 80*	*06/29/22 09:31*	*06/29/22 19:29*	*1*
Nitrobenzene-d5 (Surr)	*106*		*52 - 137*	*06/29/22 09:31*	*06/29/22 19:29*	*1*
Phenol-d5 (Surr)	*26*		*10 - 56*	*06/29/22 09:31*	*06/29/22 19:29*	*1*
Terphenyl-d14 (Surr)	*90*		*22 - 150*	*06/29/22 09:31*	*06/29/22 19:29*	*1*

Lab Sample ID: LCS 460-852633/2-A
Client Sample ID: Lab Control Sample
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 852775
Prep Batch: 852633

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dichlorobenzene	0.0800	0.0812		mg/L		102	35 - 120
2,4,5-Trichlorophenol	0.0800	0.0881		mg/L		110	58 - 120
2,4,6-Trichlorophenol	0.0800	0.0935		mg/L		117	61 - 120
2,4-Dinitrotoluene	0.0800	0.102		mg/L		127	68 - 134
2-Methylphenol	0.0800	0.0579		mg/L		72	44 - 120
3 & 4 Methylphenol	0.0800	0.0498		mg/L		62	35 - 120
Hexachlorobenzene	0.0800	0.0899		mg/L		112	61 - 128
Hexachlorobutadiene	0.0800	0.0915		mg/L		114	27 - 127
Hexachloroethane	0.0800	0.0842		mg/L		105	26 - 120
Nitrobenzene	0.0800	0.0940		mg/L		117	64 - 120
Pentachlorophenol	0.160	0.128		mg/L		80	24 - 131
Pyridine	0.160	0.0467		mg/L		29	10 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*135*		*37 - 150*
2-Fluorobiphenyl	*95*		*46 - 139*
2-Fluorophenol (Surr)	*42*		*19 - 80*
Nitrobenzene-d5 (Surr)	*104*		*52 - 137*
Phenol-d5 (Surr)	*30*		*10 - 56*
Terphenyl-d14 (Surr)	*87*		*22 - 150*

Lab Sample ID: LCSD 460-852633/3-A
Client Sample ID: Lab Control Sample Dup
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 852775
Prep Batch: 852633

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dichlorobenzene	0.0800	0.0763		mg/L		95	35 - 120	6	30
2,4,5-Trichlorophenol	0.0800	0.0818		mg/L		102	58 - 120	7	30
2,4,6-Trichlorophenol	0.0800	0.0859		mg/L		107	61 - 120	8	30
2,4-Dinitrotoluene	0.0800	0.0944		mg/L		118	68 - 134	7	30

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

Lab Sample ID: LCSD 460-852633/3-A
Matrix: Solid
Analysis Batch: 852775

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 852633

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-Methylphenol			0.0800	0.0547		mg/L		68	44 - 120	6	30
3 & 4 Methylphenol			0.0800	0.0462		mg/L		58	35 - 120	7	30
Hexachlorobenzene			0.0800	0.0854		mg/L		107	61 - 128	5	30
Hexachlorobutadiene			0.0800	0.0868		mg/L		108	27 - 127	5	30
Hexachloroethane			0.0800	0.0806		mg/L		101	26 - 120	4	30
Nitrobenzene			0.0800	0.0901		mg/L		113	64 - 120	4	30
Pentachlorophenol			0.160	0.122		mg/L		76	24 - 131	5	30
Pyridine			0.160	0.0425		mg/L		27	10 - 120	9	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*123*		*37 - 150*
2-Fluorobiphenyl	*87*		*46 - 139*
2-Fluorophenol (Surr)	*38*		*19 - 80*
Nitrobenzene-d5 (Surr)	*96*		*52 - 137*
Phenol-d5 (Surr)	*28*		*10 - 56*
Terphenyl-d14 (Surr)	*81*		*22 - 150*

Lab Sample ID: LB 460-852487/1-D
Matrix: Solid
Analysis Batch: 852775

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 852633

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.00044	U	0.010	0.00044	mg/L		06/29/22 09:31	06/29/22 20:11	1
2,4,5-Trichlorophenol	0.00088	U	0.010	0.00088	mg/L		06/29/22 09:31	06/29/22 20:11	1
2,4,6-Trichlorophenol	0.00086	U	0.010	0.00086	mg/L		06/29/22 09:31	06/29/22 20:11	1
2,4-Dinitrotoluene	0.0010	U	0.0020	0.0010	mg/L		06/29/22 09:31	06/29/22 20:11	1
2-Methylphenol	0.00067	U	0.010	0.00067	mg/L		06/29/22 09:31	06/29/22 20:11	1
3 & 4 Methylphenol	0.00064	U	0.010	0.00064	mg/L		06/29/22 09:31	06/29/22 20:11	1
Hexachlorobenzene	0.00040	U	0.0010	0.00040	mg/L		06/29/22 09:31	06/29/22 20:11	1
Hexachlorobutadiene	0.00078	U	0.0020	0.00078	mg/L		06/29/22 09:31	06/29/22 20:11	1
Hexachloroethane	0.00080	U	0.0020	0.00080	mg/L		06/29/22 09:31	06/29/22 20:11	1
Nitrobenzene	0.00057	U	0.0010	0.00057	mg/L		06/29/22 09:31	06/29/22 20:11	1
Pentachlorophenol	0.0014	U	0.030	0.0014	mg/L		06/29/22 09:31	06/29/22 20:11	1
Pyridine	0.0019	U	0.010	0.0019	mg/L		06/29/22 09:31	06/29/22 20:11	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*143*		*37 - 150*	*06/29/22 09:31*	*06/29/22 20:11*	*1*
2-Fluorobiphenyl	*108*		*46 - 139*	*06/29/22 09:31*	*06/29/22 20:11*	*1*
2-Fluorophenol (Surr)	*44*		*19 - 80*	*06/29/22 09:31*	*06/29/22 20:11*	*1*
Nitrobenzene-d5 (Surr)	*117*		*52 - 137*	*06/29/22 09:31*	*06/29/22 20:11*	*1*
Phenol-d5 (Surr)	*29*		*10 - 56*	*06/29/22 09:31*	*06/29/22 20:11*	*1*
Terphenyl-d14 (Surr)	*119*		*22 - 150*	*06/29/22 09:31*	*06/29/22 20:11*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 460-852619/1-A
Matrix: Solid
Analysis Batch: 852757

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 852619

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.000055	U	0.0050	0.000055	mg/L		06/29/22 09:15	06/29/22 19:12	1
Chlordane (technical)	0.000055	U	0.0050	0.000055	mg/L		06/29/22 09:15	06/29/22 19:12	1
Endrin	0.0000040	U	0.00050	0.0000040	mg/L		06/29/22 09:15	06/29/22 19:12	1
Endrin	0.0000040	U	0.00050	0.0000040	mg/L		06/29/22 09:15	06/29/22 19:12	1
gamma-BHC (Lindane)	0.000012	U	0.00050	0.000012	mg/L		06/29/22 09:15	06/29/22 19:12	1
gamma-BHC (Lindane)	0.000012	U	0.00050	0.000012	mg/L		06/29/22 09:15	06/29/22 19:12	1
Heptachlor	0.0000030	U	0.00050	0.0000030	mg/L		06/29/22 09:15	06/29/22 19:12	1
Heptachlor	0.0000030	U	0.00050	0.0000030	mg/L		06/29/22 09:15	06/29/22 19:12	1
Heptachlor epoxide	0.0000050	U	0.00050	0.0000050	mg/L		06/29/22 09:15	06/29/22 19:12	1
Heptachlor epoxide	0.0000050	U	0.00050	0.0000050	mg/L		06/29/22 09:15	06/29/22 19:12	1
Methoxychlor	0.0000040	U	0.00050	0.0000040	mg/L		06/29/22 09:15	06/29/22 19:12	1
Methoxychlor	0.0000040	U	0.00050	0.0000040	mg/L		06/29/22 09:15	06/29/22 19:12	1
Toxaphene	0.00011	U	0.0050	0.00011	mg/L		06/29/22 09:15	06/29/22 19:12	1
Toxaphene	0.00011	U	0.0050	0.00011	mg/L		06/29/22 09:15	06/29/22 19:12	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*81*		*15 - 121*	*06/29/22 09:15*	*06/29/22 19:12*	*1*
DCB Decachlorobiphenyl	*86*		*15 - 121*	*06/29/22 09:15*	*06/29/22 19:12*	*1*
Tetrachloro-m-xylene	*85*		*17 - 120*	*06/29/22 09:15*	*06/29/22 19:12*	*1*
Tetrachloro-m-xylene	*81*		*17 - 120*	*06/29/22 09:15*	*06/29/22 19:12*	*1*

Lab Sample ID: LCS 460-852619/2-A
Matrix: Solid
Analysis Batch: 852757

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 852619

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Endrin			0.000800	0.000768		mg/L		96	57 - 135		
Endrin			0.000800	0.000792		mg/L		99	57 - 135		
gamma-BHC (Lindane)			0.000800	0.000833		mg/L		104	65 - 123		
gamma-BHC (Lindane)			0.000800	0.000839		mg/L		105	65 - 123		
Heptachlor			0.000800	0.000805		mg/L		101	59 - 120		
Heptachlor			0.000800	0.000806		mg/L		101	59 - 120		
Heptachlor epoxide			0.000800	0.000784		mg/L		98	59 - 128		
Heptachlor epoxide			0.000800	0.000783		mg/L		98	59 - 128		
Methoxychlor			0.000800	0.000710		mg/L		89	35 - 138		
Methoxychlor			0.000800	0.000764		mg/L		96	35 - 138		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*78*		*15 - 121*
DCB Decachlorobiphenyl	*84*		*15 - 121*
Tetrachloro-m-xylene	*81*		*17 - 120*
Tetrachloro-m-xylene	*79*		*17 - 120*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 460-852619/3-A
Matrix: Solid
Analysis Batch: 852757

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 852619

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Endrin			0.000800	0.000742		mg/L		93	57 - 135	3	30
Endrin			0.000800	0.000789		mg/L		99	57 - 135	0	30
gamma-BHC (Lindane)			0.000800	0.000824		mg/L		103	65 - 123	2	30
gamma-BHC (Lindane)			0.000800	0.000823		mg/L		103	65 - 123	1	30
Heptachlor			0.000800	0.000794		mg/L		99	59 - 120	1	30
Heptachlor			0.000800	0.000816		mg/L		102	59 - 120	1	30
Heptachlor epoxide			0.000800	0.000766		mg/L		96	59 - 128	2	30
Heptachlor epoxide			0.000800	0.000782		mg/L		98	59 - 128	0	30
Methoxychlor			0.000800	0.000689		mg/L		86	35 - 138	3	30
Methoxychlor			0.000800	0.000756		mg/L		95	35 - 138	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*77*		*15 - 121*
DCB Decachlorobiphenyl	*84*		*15 - 121*
Tetrachloro-m-xylene	*80*		*17 - 120*
Tetrachloro-m-xylene	*79*		*17 - 120*

Lab Sample ID: LB 460-852487/1-C
Matrix: Solid
Analysis Batch: 852757

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 852619

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.000055	U	0.0050	0.000055	mg/L		06/29/22 09:15	06/29/22 20:38	1
Endrin	0.0000040	U	0.00050	0.0000040	mg/L		06/29/22 09:15	06/29/22 20:38	1
gamma-BHC (Lindane)	0.000012	U	0.00050	0.000012	mg/L		06/29/22 09:15	06/29/22 20:38	1
Heptachlor	0.0000030	U	0.00050	0.0000030	mg/L		06/29/22 09:15	06/29/22 20:38	1
Heptachlor epoxide	0.0000050	U	0.00050	0.0000050	mg/L		06/29/22 09:15	06/29/22 20:38	1
Methoxychlor	0.0000040	U	0.00050	0.0000040	mg/L		06/29/22 09:15	06/29/22 20:38	1
Toxaphene	0.00011	U	0.0050	0.00011	mg/L		06/29/22 09:15	06/29/22 20:38	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*77*		*15 - 121*	*06/29/22 09:15*	*06/29/22 20:38*	*1*
DCB Decachlorobiphenyl	*81*		*15 - 121*	*06/29/22 09:15*	*06/29/22 20:38*	*1*
Tetrachloro-m-xylene	*78*		*17 - 120*	*06/29/22 09:15*	*06/29/22 20:38*	*1*
Tetrachloro-m-xylene	*75*		*17 - 120*	*06/29/22 09:15*	*06/29/22 20:38*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 460-852512/1-A
Matrix: Solid
Analysis Batch: 852608

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 852512

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	18	U	67	18	ug/Kg		06/28/22 19:20	06/29/22 10:43	1
PCB-1016	18	U	67	18	ug/Kg		06/28/22 19:20	06/29/22 10:43	1
PCB-1221	18	U	67	18	ug/Kg		06/28/22 19:20	06/29/22 10:43	1
PCB-1221	18	U	67	18	ug/Kg		06/28/22 19:20	06/29/22 10:43	1
PCB-1232	18	U	67	18	ug/Kg		06/28/22 19:20	06/29/22 10:43	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 460-852512/1-A
Matrix: Solid
Analysis Batch: 852608

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 852512

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1232	18	U	67	18	ug/Kg		06/28/22 19:20	06/29/22 10:43	1
PCB-1242	18	U	67	18	ug/Kg		06/28/22 19:20	06/29/22 10:43	1
PCB-1242	18	U	67	18	ug/Kg		06/28/22 19:20	06/29/22 10:43	1
PCB-1248	18	U	67	18	ug/Kg		06/28/22 19:20	06/29/22 10:43	1
PCB-1248	18	U	67	18	ug/Kg		06/28/22 19:20	06/29/22 10:43	1
PCB-1254	18	U	67	18	ug/Kg		06/28/22 19:20	06/29/22 10:43	1
PCB-1254	18	U	67	18	ug/Kg		06/28/22 19:20	06/29/22 10:43	1
PCB-1260	18	U	67	18	ug/Kg		06/28/22 19:20	06/29/22 10:43	1
PCB-1260	18	U	67	18	ug/Kg		06/28/22 19:20	06/29/22 10:43	1
Aroclor-1262	18	U	67	18	ug/Kg		06/28/22 19:20	06/29/22 10:43	1
Aroclor-1262	18	U	67	18	ug/Kg		06/28/22 19:20	06/29/22 10:43	1
Aroclor 1268	18	U	67	18	ug/Kg		06/28/22 19:20	06/29/22 10:43	1
Aroclor 1268	18	U	67	18	ug/Kg		06/28/22 19:20	06/29/22 10:43	1
Polychlorinated biphenyls, Total	18	U	67	18	ug/Kg		06/28/22 19:20	06/29/22 10:43	1
Polychlorinated biphenyls, Total	18	U	67	18	ug/Kg		06/28/22 19:20	06/29/22 10:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*87*		*10 - 150*	*06/28/22 19:20*	*06/29/22 10:43*	*1*
DCB Decachlorobiphenyl	*87*		*10 - 150*	*06/28/22 19:20*	*06/29/22 10:43*	*1*
Tetrachloro-m-xylene	*94*		*42 - 150*	*06/28/22 19:20*	*06/29/22 10:43*	*1*
Tetrachloro-m-xylene	*91*		*42 - 150*	*06/28/22 19:20*	*06/29/22 10:43*	*1*

Lab Sample ID: LCS 460-852512/2-A
Matrix: Solid
Analysis Batch: 852608

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 852512

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016			333	313		ug/Kg		94	65 - 133		
PCB-1016			333	292		ug/Kg		88	65 - 133		
PCB-1260			333	336		ug/Kg		101	67 - 150		
PCB-1260			333	300		ug/Kg		90	67 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*114*		*10 - 150*
DCB Decachlorobiphenyl	*111*		*10 - 150*
Tetrachloro-m-xylene	*105*		*42 - 150*
Tetrachloro-m-xylene	*101*		*42 - 150*

Lab Sample ID: LCSD 460-852512/3-A
Matrix: Solid
Analysis Batch: 852608

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 852512

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016			333	338		ug/Kg		101	65 - 133	8	30
PCB-1016			333	310		ug/Kg		93	65 - 133	6	30
PCB-1260			333	344		ug/Kg		103	67 - 150	3	30
PCB-1260			333	313		ug/Kg		94	67 - 150	4	30

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCSD 460-852512/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 852608 — **Prep Batch: 852512**

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
DCB Decachlorobiphenyl	115		10 - 150
DCB Decachlorobiphenyl	113		10 - 150
Tetrachloro-m-xylene	109		42 - 150
Tetrachloro-m-xylene	105		42 - 150

Lab Sample ID: 460-260574-E-1-B MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 852608 — **Prep Batch: 852512**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1016	20	U F1	378	414		ug/Kg	☼	110	65 - 133
PCB-1016	20	U F2	378	276		ug/Kg	☼	73	65 - 133
PCB-1260	100		378	479		ug/Kg	☼	100	67 - 150
PCB-1260	80	F1	378	331	F1	ug/Kg	☼	66	67 - 150

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl	113		10 - 150
DCB Decachlorobiphenyl	81		10 - 150
Tetrachloro-m-xylene	113		42 - 150
Tetrachloro-m-xylene	82		42 - 150

Lab Sample ID: 460-260574-E-1-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 852608 — **Prep Batch: 852512**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016	20	U F1	379	301	F2	ug/Kg	☼	79	65 - 133	32	30
PCB-1016	20	U F2	379	228	F1	ug/Kg	☼	60	65 - 133	19	30
PCB-1260	100		379	360		ug/Kg	☼	68	67 - 150	28	30
PCB-1260	80	F1	379	277	F1	ug/Kg	☼	52	67 - 150	18	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl	82		10 - 150
DCB Decachlorobiphenyl	67		10 - 150
Tetrachloro-m-xylene	80		42 - 150
Tetrachloro-m-xylene	68		42 - 150

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 460-852613/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 852760 — **Prep Batch: 852613**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.00018	U	0.0030	0.00018	mg/L		06/29/22 09:05	06/29/22 22:34	1
2,4-D	0.00018	U	0.0030	0.00018	mg/L		06/29/22 09:05	06/29/22 22:34	1
Silvex (2,4,5-TP)	0.00014	U	0.0030	0.00014	mg/L		06/29/22 09:05	06/29/22 22:34	1
Silvex (2,4,5-TP)	0.00014	U	0.0030	0.00014	mg/L		06/29/22 09:05	06/29/22 22:34	1

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: MB 460-852613/1-A
Matrix: Solid
Analysis Batch: 852760

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 852613

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.000072	U	0.0030	0.000072	mg/L		06/29/22 09:05	06/29/22 22:34	1
2,4,5-T	0.000072	U	0.0030	0.000072	mg/L		06/29/22 09:05	06/29/22 22:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*80*		*10 - 150*	*06/29/22 09:05*	*06/29/22 22:34*	*1*
2,4-Dichlorophenylacetic acid	*85*		*10 - 150*	*06/29/22 09:05*	*06/29/22 22:34*	*1*

Lab Sample ID: LCS 460-852613/2-A
Matrix: Solid
Analysis Batch: 852760

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 852613

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4-D	0.00800	0.00592		mg/L		74	51 - 150
2,4-D	0.00800	0.00562		mg/L		70	51 - 150
Silvex (2,4,5-TP)	0.00200	0.00110	J	mg/L		55	50 - 150
Silvex (2,4,5-TP)	0.00200	0.00102	J	mg/L		51	50 - 150
2,4,5-T	0.00200	0.000967	J	mg/L		48	45 - 150
2,4,5-T	0.00200	0.00111	J	mg/L		56	45 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*84*		*10 - 150*
2,4-Dichlorophenylacetic acid	*84*		*10 - 150*

Lab Sample ID: LCSD 460-852613/3-A
Matrix: Solid
Analysis Batch: 852760

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 852613

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4-D	0.00800	0.00607		mg/L		76	51 - 150	3	30
2,4-D	0.00800	0.00587		mg/L		73	51 - 150	4	30
Silvex (2,4,5-TP)	0.00200	0.00114	J	mg/L		57	50 - 150	4	30
Silvex (2,4,5-TP)	0.00200	0.00101	J	mg/L		50	50 - 150	1	30
2,4,5-T	0.00200	0.000993	J	mg/L		50	45 - 150	3	30
2,4,5-T	0.00200	0.00120	J	mg/L		60	45 - 150	8	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*88*		*10 - 150*
2,4-Dichlorophenylacetic acid	*88*		*10 - 150*

Lab Sample ID: LB 460-852487/1-B
Matrix: Solid
Analysis Batch: 852760

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 852613

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.0050	U	0.083	0.0050	mg/L		06/29/22 09:05	06/30/22 01:04	1
Silvex (2,4,5-TP)	0.0040	U	0.083	0.0040	mg/L		06/29/22 09:05	06/30/22 01:04	1
2,4,5-T	0.0020	U	0.083	0.0020	mg/L		06/29/22 09:05	06/30/22 01:04	1

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: LB 460-852487/1-B
Matrix: Solid
Analysis Batch: 852760

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 852613

Surrogate	LB %Recovery	LB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	75		10 - 150	06/29/22 09:05	06/30/22 01:04	1
2,4-Dichlorophenylacetic acid	84		10 - 150	06/29/22 09:05	06/30/22 01:04	1

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 460-852647/1-A
Matrix: Solid
Analysis Batch: 852925

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 852647

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.082	U	1.0	0.082	mg/Kg		06/29/22 10:58	06/30/22 11:00	1
Aluminum	1.5	U	20.0	1.5	mg/Kg		06/29/22 10:58	06/30/22 11:00	1
Arsenic	0.31	U	1.5	0.31	mg/Kg		06/29/22 10:58	06/30/22 11:00	1
Barium	0.76	U	20.0	0.76	mg/Kg		06/29/22 10:58	06/30/22 11:00	1
Beryllium	0.022	U	0.20	0.022	mg/Kg		06/29/22 10:58	06/30/22 11:00	1
Calcium	21.4	U	500	21.4	mg/Kg		06/29/22 10:58	06/30/22 11:00	1
Cadmium	0.078	U	0.40	0.078	mg/Kg		06/29/22 10:58	06/30/22 11:00	1
Cobalt	0.25	U	5.0	0.25	mg/Kg		06/29/22 10:58	06/30/22 11:00	1
Chromium	0.11	U	1.0	0.11	mg/Kg		06/29/22 10:58	06/30/22 11:00	1
Copper	0.18	U	2.5	0.18	mg/Kg		06/29/22 10:58	06/30/22 11:00	1
Iron	3.0	U	15.0	3.0	mg/Kg		06/29/22 10:58	06/30/22 11:00	1
Potassium	24.6	U	500	24.6	mg/Kg		06/29/22 10:58	06/30/22 11:00	1
Magnesium	29.7	U	500	29.7	mg/Kg		06/29/22 10:58	06/30/22 11:00	1
Manganese	0.12	U	1.5	0.12	mg/Kg		06/29/22 10:58	06/30/22 11:00	1
Sodium	28.0	U	500	28.0	mg/Kg		06/29/22 10:58	06/30/22 11:00	1
Nickel	0.14	U	4.0	0.14	mg/Kg		06/29/22 10:58	06/30/22 11:00	1
Lead	0.26	U	1.0	0.26	mg/Kg		06/29/22 10:58	06/30/22 11:00	1
Antimony	0.19	U	2.0	0.19	mg/Kg		06/29/22 10:58	06/30/22 11:00	1
Selenium	0.62	U	2.0	0.62	mg/Kg		06/29/22 10:58	06/30/22 11:00	1
Thallium	0.30	U	2.0	0.30	mg/Kg		06/29/22 10:58	06/30/22 11:00	1
Vanadium	0.27	U	5.0	0.27	mg/Kg		06/29/22 10:58	06/30/22 11:00	1
Zinc	0.17	U	3.0	0.17	mg/Kg		06/29/22 10:58	06/30/22 11:00	1

Lab Sample ID: LCSSRM 460-852647/2-A
Matrix: Solid
Analysis Batch: 852925

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 852647

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Silver	44.1	40.62		mg/Kg		92.1	80.5 - 119.7
Aluminum	8630	7324		mg/Kg		84.9	51.2 - 148.3
Arsenic	84.5	80.62		mg/Kg		95.4	82.8 - 117.2
Barium	249	241.2		mg/Kg		96.9	82.7 - 117.3
Beryllium	163	151.0		mg/Kg		92.7	82.8 - 117.2
Calcium	4760	4596		mg/Kg		96.6	81.7 - 118.5

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCSSRM 460-852647/2-A
Client Sample ID: Lab Control Sample
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 852925
Prep Batch: 852647

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Cadmium	99.0	96.02		mg/Kg		97.0	83.0 - 117.2
Cobalt	61.7	60.66		mg/Kg		98.3	84.1 - 116.0
Chromium	122	115.0		mg/Kg		94.3	82.8 - 118.0
Copper	61.5	58.44		mg/Kg		95.0	84.4 - 115.4
Iron	14500	13050		mg/Kg		90.0	61.1 - 138.6
Potassium	2090	1790		mg/Kg		85.7	70.8 - 129.2
Magnesium	2360	2194		mg/Kg		93.0	76.7 - 123.7
Manganese	456	445.4		mg/Kg		97.7	82.2 - 118.0
Sodium	136	126.6	J	mg/Kg		93.1	71.6 - 127.9
Nickel	135	134.2		mg/Kg		99.4	83.0 - 117.0
Lead	123	124.4		mg/Kg		101.1	83.7 - 117.1
Antimony	129	72.46		mg/Kg		56.2	0.6 - 199.2
Selenium	121	115.8		mg/Kg		95.7	80.1 - 120.7
Thallium	144	146.0		mg/Kg		101.4	81.3 - 118.8
Vanadium	186	175.1		mg/Kg		94.2	79.6 - 120.4
Zinc	295	283.4		mg/Kg		96.1	81.4 - 119.0

Lab Sample ID: 460-260852-18 MS
Client Sample ID: BHP-HA08-COMP-S002
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 852925
Prep Batch: 852647

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Silver	4.5	F1	6.06	5.62	F1	mg/Kg	☼	19	75 - 125
Aluminum	8700		242	8900	4	mg/Kg	☼	82	75 - 125
Arsenic	21.0		242	229.4		mg/Kg	☼	86	75 - 125
Barium	883	F1	242	845.4	F1	mg/Kg	☼	-16	75 - 125
Beryllium	0.34	J	6.06	5.47		mg/Kg	☼	85	75 - 125
Calcium	5800	F1	2420	7325	F1	mg/Kg	☼	63	75 - 125
Cadmium	0.95	J	6.06	6.21		mg/Kg	☼	87	75 - 125
Cobalt	13.8		60.6	63.05		mg/Kg	☼	81	75 - 125
Chromium	57.4	F1	24.2	88.27	F1	mg/Kg	☼	127	75 - 125
Copper	140		30.3	136.1	4	mg/Kg	☼	-12	75 - 125
Iron	63200		121	56290	4	mg/Kg	☼	-5720	75 - 125
Potassium	543	J	2420	2900		mg/Kg	☼	97	75 - 125
Magnesium	1670		2420	3831		mg/Kg	☼	89	75 - 125
Manganese	430		60.6	384.0	4	mg/Kg	☼	-76	75 - 125
Sodium	177	J	2420	2263		mg/Kg	☼	86	75 - 125

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: 460-260852-18 MS
Client Sample ID: BHP-HA08-COMP-S002
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 852925
Prep Batch: 852647

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nickel	35.1		60.6	90.55		mg/Kg	☼	92	75 - 125
Lead	1160		60.6	1023	4	mg/Kg	☼	-232	75 - 125
Antimony	4.9	F1	60.6	33.46	F1	mg/Kg	☼	47	75 - 125
Selenium	1.6	J	242	201.7		mg/Kg	☼	83	75 - 125
Thallium	1.4	J	242	214.5		mg/Kg	☼	88	75 - 125
Vanadium	29.9		60.6	82.07		mg/Kg	☼	86	75 - 125
Zinc	925		60.6	953.2	4	mg/Kg	☼	47	75 - 125

Lab Sample ID: 460-260852-18 DU
Client Sample ID: BHP-HA08-COMP-S002
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 852925
Prep Batch: 852647

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Silver	4.5	F1	0.834	J F3	mg/Kg	☼	137	20
Aluminum	8700		8735		mg/Kg	☼	0.4	20
Arsenic	21.0		13.22	F3	mg/Kg	☼	45	20
Barium	883	F1	545.4	F3	mg/Kg	☼	47	20
Beryllium	0.34	J	0.324	J	mg/Kg	☼	6	20
Calcium	5800	F1	4388	F3	mg/Kg	☼	28	20
Cadmium	0.95	J	1.02		mg/Kg	☼	7	20
Cobalt	13.8		9.94	J F5	mg/Kg	☼	32	20
Chromium	57.4	F1	52.77		mg/Kg	☼	8	20
Copper	140		92.07	F3	mg/Kg	☼	41	20
Iron	63200		44410	F3	mg/Kg	☼	35	20
Potassium	543	J	550.5	J	mg/Kg	☼	1	20
Magnesium	1670		1495		mg/Kg	☼	11	20
Manganese	430		319.1	F3	mg/Kg	☼	30	20
Sodium	177	J	147.0	J	mg/Kg	☼	18	20
Nickel	35.1		30.36		mg/Kg	☼	15	20
Lead	1160		1008		mg/Kg	☼	14	20
Antimony	4.9	F1	1.65	J F5	mg/Kg	☼	100	20
Selenium	1.6	J	2.03	J F5	mg/Kg	☼	21	20
Thallium	1.4	J	1.04	J F5	mg/Kg	☼	30	20
Vanadium	29.9		26.68		mg/Kg	☼	12	20
Zinc	925		770.3		mg/Kg	☼	18	20

Lab Sample ID: MB 460-853156/1-A
Client Sample ID: Method Blank
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 853184
Prep Batch: 853156

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	3.2	U	10.0	3.2	ug/L		07/01/22 09:47	07/01/22 15:14	1
Arsenic	5.0	U	15.0	5.0	ug/L		07/01/22 09:47	07/01/22 15:14	1
Barium	28.0	U	200	28.0	ug/L		07/01/22 09:47	07/01/22 15:14	1
Cadmium	0.36	U	4.0	0.36	ug/L		07/01/22 09:47	07/01/22 15:14	1
Chromium	5.0	U	10.0	5.0	ug/L		07/01/22 09:47	07/01/22 15:14	1
Lead	2.6	U	10.0	2.6	ug/L		07/01/22 09:47	07/01/22 15:14	1
Selenium	7.0	U	20.0	7.0	ug/L		07/01/22 09:47	07/01/22 15:14	1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCS 460-853156/2-A
Matrix: Solid
Analysis Batch: 853184

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 853156

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Silver	500	440.2		ug/L		88	80 - 120
Arsenic	5000	4926		ug/L		99	80 - 120
Barium	10000	10240		ug/L		102	80 - 120
Cadmium	1000	1057		ug/L		106	80 - 120
Chromium	5000	5132		ug/L		103	80 - 120
Lead	5000	5114		ug/L		102	80 - 120
Selenium	1000	963.8		ug/L		96	80 - 120

Lab Sample ID: LB 460-852487/1-H ^5
Matrix: Solid
Analysis Batch: 853184

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 853156

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	15.9	U	50.0	15.9	ug/L		07/01/22 09:47	07/01/22 16:31	5
Arsenic	24.8	U	75.0	24.8	ug/L		07/01/22 09:47	07/01/22 16:31	5
Barium	140	U	1000	140	ug/L		07/01/22 09:47	07/01/22 16:31	5
Cadmium	1.8	U	20.0	1.8	ug/L		07/01/22 09:47	07/01/22 16:31	5
Chromium	24.9	U	50.0	24.9	ug/L		07/01/22 09:47	07/01/22 16:31	5
Lead	12.8	U	50.0	12.8	ug/L		07/01/22 09:47	07/01/22 16:31	5
Selenium	35.1	U	100	35.1	ug/L		07/01/22 09:47	07/01/22 16:31	5

Lab Sample ID: 410-87870-A-32-I MS
Matrix: Solid
Analysis Batch: 853184

Client Sample ID: Matrix Spike
Prep Type: TCLP
Prep Batch: 853156

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Silver	15.9	U	500	480.9		ug/L		96	75 - 125
Arsenic	24.8	U	5000	5515		ug/L		110	75 - 125
Barium	369	J	10000	11030		ug/L		107	75 - 125
Cadmium	1.8	U	1000	1085		ug/L		109	75 - 125
Chromium	24.9	U	5000	5325		ug/L		107	75 - 125
Lead	20.9	J	5000	5110		ug/L		102	75 - 125
Selenium	35.1	U	1000	1116		ug/L		112	75 - 125

Lab Sample ID: 410-87870-A-32-H DU
Matrix: Solid
Analysis Batch: 853184

Client Sample ID: Duplicate
Prep Type: TCLP
Prep Batch: 853156

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Silver	15.9	U	15.9	U	ug/L		NC	20
Arsenic	24.8	U	24.8	U	ug/L		NC	20
Barium	369	J	360.3	J	ug/L		2	20
Cadmium	1.8	U	1.8	U	ug/L		NC	20
Chromium	24.9	U	24.9	U	ug/L		NC	20
Lead	20.9	J	24.20	J	ug/L		15	20
Selenium	35.1	U	35.1	U	ug/L		NC	20

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LRC 460-852925/14
Client Sample ID: Lab Control Sample
Matrix: Solid
Analysis Batch: 852925

Analyte	Spike Added	LRC Result	LRC Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	500000	485100		ug/L		97	90 - 110
Barium	30000	28070		ug/L		94	90 - 110
Calcium	500000	477800		ug/L		96	90 - 110
Chromium	15000	14240		ug/L		95	90 - 110
Copper	50000	48460		ug/L		97	90 - 110
Iron	300000	312900		ug/L		104	90 - 110
Potassium	300000	303100		ug/L		101	90 - 110
Magnesium	500000	467100		ug/L		93	90 - 110
Manganese	10000	9339		ug/L		93	90 - 110
Sodium	400000	385100		ug/L		96	90 - 110
Nickel	10000	9781		ug/L		98	90 - 110
Lead	50000	48540		ug/L		97	90 - 110
Zinc	15000	14400		ug/L		96	90 - 110

Lab Sample ID: LRC 460-852925/15
Client Sample ID: Lab Control Sample
Matrix: Solid
Analysis Batch: 852925

Analyte	Spike Added	LRC Result	LRC Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	10000	9464		ug/L		95	90 - 110
Selenium	3000	2897		ug/L		97	90 - 110
Thallium	3000	2967		ug/L		99	90 - 110

Lab Sample ID: LRC 460-853184/14
Client Sample ID: Lab Control Sample
Matrix: Solid
Analysis Batch: 853184

Analyte	Spike Added	LRC Result	LRC Qualifier	Unit	D	%Rec	%Rec Limits
Barium	30000	28390		ug/L		95	90 - 110
Chromium	15000	14360		ug/L		96	90 - 110
Lead	50000	47760		ug/L		96	90 - 110

Lab Sample ID: LRC 460-853184/15
Client Sample ID: Lab Control Sample
Matrix: Solid
Analysis Batch: 853184

Analyte	Spike Added	LRC Result	LRC Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	10000	9632		ug/L		96	90 - 110
Selenium	3000	2942		ug/L		98	90 - 110

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 460-852703/1-A
Client Sample ID: Method Blank
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 852754
Prep Batch: 852703

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.091	U	0.20	0.091	ug/L		06/29/22 15:19	06/29/22 16:34	1

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 460-852703/2-A
Matrix: Solid
Analysis Batch: 852754

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 852703

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			5.00	4.96		ug/L		99	80 - 120		

Lab Sample ID: LB 460-852487/1-F
Matrix: Solid
Analysis Batch: 852754

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 852703

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.091	U	0.20	0.091	ug/L		06/29/22 15:26	06/29/22 17:27	1

Lab Sample ID: 410-87870-A-29-H MS
Matrix: Solid
Analysis Batch: 852754

Client Sample ID: Matrix Spike
Prep Type: TCLP
Prep Batch: 852703

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury	0.091	U	5.00	4.92		ug/L		98	75 - 125		

Lab Sample ID: 410-87870-A-29-G DU
Matrix: Solid
Analysis Batch: 852754

Client Sample ID: Duplicate
Prep Type: TCLP
Prep Batch: 852703

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Mercury	0.091	U		0.091	U	ug/L				NC	20

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 460-852364/1-A
Matrix: Solid
Analysis Batch: 852417

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 852364

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0080	U	0.017	0.0080	mg/Kg		06/28/22 00:53	06/28/22 04:44	1

Lab Sample ID: LCSSRM 460-852364/2-A ^40
Matrix: Solid
Analysis Batch: 852417

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 852364

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			18.9	19.77		mg/Kg		104.6	68.8 - 131.2		

Lab Sample ID: 460-260762-B-15-D MS
Matrix: Solid
Analysis Batch: 852417

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 852364

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury	0.0087	U	0.0910	0.100		mg/Kg	☼	110	80 - 120		

Method: 7471B - Mercury (CVAA) (Continued)

Lab Sample ID: 460-260762-B-15-C DU
Matrix: Solid
Analysis Batch: 852417

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 852364

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Mercury	0.0087	U		0.0087	U	mg/Kg	☼			NC	20

Lab Sample ID: MB 460-852365/1-A
Matrix: Solid
Analysis Batch: 852417

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 852365

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0080	U	0.017	0.0080	mg/Kg		06/28/22 01:14	06/28/22 05:40	1

Lab Sample ID: LCSSRM 460-852365/2-A ^40
Matrix: Solid
Analysis Batch: 852417

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 852365

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			18.9	19.30		mg/Kg		102.1	68.8 - 131.2		

Lab Sample ID: 460-259859-C-1-J MS
Matrix: Solid
Analysis Batch: 852417

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 852365

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury	0.0082	U	0.0857	0.0960		mg/Kg	☼	112	80 - 120		

Lab Sample ID: 460-259859-C-1-I DU
Matrix: Solid
Analysis Batch: 852417

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 852365

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Mercury	0.0082	U		0.0082	U	mg/Kg	☼			NC	20

Method: 9014 - Cyanide, Reactive

Lab Sample ID: MB 460-853182/1-A
Matrix: Solid
Analysis Batch: 853201

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 853182

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		07/01/22 12:05	07/01/22 15:39	1

Lab Sample ID: LCS 460-853182/2-A
Matrix: Solid
Analysis Batch: 853201

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 853182

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Cyanide, Reactive			40.0	25.0	U	mg/Kg		12	10 - 100		

Method: 9014 - Cyanide, Reactive (Continued)

Lab Sample ID: 460-260756-D-1-E DU
Matrix: Solid
Analysis Batch: 853201

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 853182

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cyanide, Reactive	25.0	U	25.0	U	mg/Kg		NC	10

Method: 9034 - Sulfide, Reactive

Lab Sample ID: MB 460-853181/1-A
Matrix: Solid
Analysis Batch: 853200

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 853181

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		07/01/22 12:03	07/01/22 15:36	1

Lab Sample ID: LCSSRM 460-853181/3-A
Matrix: Solid
Analysis Batch: 853200

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 853181

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide, Reactive	70.9	67.33		mg/Kg		95.0	46.7 - 142.5

Lab Sample ID: 460-260756-D-1-B MS
Matrix: Solid
Analysis Batch: 853200

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 853181

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide, Reactive	20.0	U	514	404.0		mg/Kg		79	64 - 136

Lab Sample ID: 460-260756-D-1-C MSD
Matrix: Solid
Analysis Batch: 853200

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 853181

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfide, Reactive	20.0	U	514	412.0		mg/Kg		80	64 - 136	3	10

Method: 9034 - Sulfide, Acid Soluble and Insoluble (Titrimetric)

Lab Sample ID: MB 460-854321/1-A
Matrix: Solid
Analysis Batch: 854322

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 854321

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	4.3	U	10.0	4.3	mg/Kg		07/08/22 15:46	07/08/22 15:49	1

Lab Sample ID: LCS 460-854321/3-A
Matrix: Solid
Analysis Batch: 854322

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 854321

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide	92.5	90.85		mg/Kg		98	70 - 130

Method: 9034 - Sulfide, Acid Soluble and Insoluble (Titrimetric) (Continued)

Lab Sample ID: 460-260852-2 MS
Client Sample ID: BHP-FENCE-COMP-S001
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 854322
Prep Batch: 854321

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide	5.6	U H F1	118	59.14	F1	mg/Kg	☼	50	65 - 86

Lab Sample ID: 460-260852-2 MSD
Client Sample ID: BHP-FENCE-COMP-S001
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 854322
Prep Batch: 854321

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfide	5.6	U H F1	118	57.05	F1	mg/Kg	☼	48	65 - 86	4	27

Method: 9038 - Sulfate, Turbidimetric

Lab Sample ID: MB 460-853619/16
Client Sample ID: Method Blank
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 853619

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	2.4	U	5.0	2.4	mg/Kg			07/05/22 10:17	1

Lab Sample ID: MB 460-853619/3
Client Sample ID: Method Blank
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 853619

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	2.4	U	5.0	2.4	mg/Kg			07/05/22 10:14	1

Lab Sample ID: LCSSRM 460-853619/17
Client Sample ID: Lab Control Sample
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 853619

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	20.1	19.52		mg/Kg		97.1	78.6 - 116.9

Lab Sample ID: MRL 460-853619/4
Client Sample ID: Lab Control Sample
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 853619

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	5.00	5.21		mg/L		104	50 - 150

Lab Sample ID: 460-260919-D-2 MS
Client Sample ID: Matrix Spike
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 853619

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	2.4	U	20.0	21.59		mg/Kg		108	85 - 115

Method: 9038 - Sulfate, Turbidimetric (Continued)

Lab Sample ID: 460-260919-D-2 MSD
Matrix: Solid
Analysis Batch: 853619

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	2.4	U	20.0	20.91		mg/Kg		105	85 - 115	3	10

Lab Sample ID: LB 460-852698/1-A
Matrix: Solid
Analysis Batch: 853619

Client Sample ID: Method Blank
Prep Type: ASTM Leach

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	48.4	U	100	48.4	mg/Kg			07/05/22 10:19	1

Method: 9045D - pH

Lab Sample ID: MB 460-852434/2
Matrix: Solid
Analysis Batch: 852434

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

Analyte	MB Result	MB Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.3				SU			06/28/22 12:26	1
Temperature	23.2				Degrees C			06/28/22 12:26	1
Corrosivity	6.3				SU			06/28/22 12:26	1

Lab Sample ID: LCSSRM 460-852434/3
Matrix: Solid
Analysis Batch: 852434

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

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits		
pH			6.27	6.4		SU		101.6	96.8 - 103.2		
Corrosivity			6.27	6.4		SU		101.6	96.8 - 103.2		

Lab Sample ID: 460-260591-E-2 DU
Matrix: Solid
Analysis Batch: 852434

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
pH	7.6			7.6		SU				0.1	10
Temperature	20.9			20.8		Degrees C				0.5	10
Corrosivity	7.6			7.6		SU				0.1	10

Method: 9095B - Paint Filter

Lab Sample ID: 460-260852-2 DU
Matrix: Solid
Analysis Batch: 852936

Client Sample ID: BHP-FENCE-COMP-S001
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Free Liquid	0.500	U		0.500	U	mL/100g				NC	10

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

GC/MS Semi VOA

Qualifier	Qualifier Description
D	Sample results are obtained from a dilution; the surrogate or matrix spike recoveries reported are calculated from diluted samples.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.
F3	Duplicate RPD exceeds the control limit
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL, and the absolute difference between results is < the upper reporting limits for both.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.
W	PS: Post-digestion spike was outside control limits

General Chemistry

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
H	Sample was prepped or analyzed beyond the specified holding time
HF	Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.
U	Indicates the analyte was analyzed for but not detected.

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)

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
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

GC/MS VOA

Prep Batch: 852315

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-260852-2	BHP-FENCE-COMP-S001	Total/NA	Solid	5035	
460-260852-19	BHP-FS-GRAB-S301	Total/NA	Solid	5035	

Leach Batch: 852599

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-260852-2	BHP-FENCE-COMP-S001	TCLP	Solid	1311	
LB 460-852599/1-A	Method Blank	TCLP	Solid	1311	

Analysis Batch: 852635

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-260852-2	BHP-FENCE-COMP-S001	Total/NA	Solid	8260B	852315
460-260852-19	BHP-FS-GRAB-S301	Total/NA	Solid	8260B	852315
MB 460-852635/8	Method Blank	Total/NA	Solid	8260B	
LCS 460-852635/3	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 460-852635/4	Lab Control Sample Dup	Total/NA	Solid	8260B	

Analysis Batch: 852839

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-260852-2	BHP-FENCE-COMP-S001	TCLP	Solid	8260D	852599
LB 460-852599/1-A	Method Blank	TCLP	Solid	8260D	852599
MB 460-852839/8	Method Blank	Total/NA	Solid	8260D	
LCS 460-852839/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-852839/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

GC/MS Semi VOA

Leach Batch: 852487

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-260852-2	BHP-FENCE-COMP-S001	TCLP	Solid	1311	
LB 460-852487/1-D	Method Blank	TCLP	Solid	1311	

Prep Batch: 852633

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-260852-2	BHP-FENCE-COMP-S001	TCLP	Solid	3510C	852487
LB 460-852487/1-D	Method Blank	TCLP	Solid	3510C	852487
MB 460-852633/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 460-852633/2-A	Lab Control Sample	Total/NA	Solid	3510C	
LCSD 460-852633/3-A	Lab Control Sample Dup	Total/NA	Solid	3510C	

Prep Batch: 852750

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-260852-3	BHP-HA01-COMP-S001	Total/NA	Solid	3546	
460-260852-7	BHP-HA03-COMP-S001	Total/NA	Solid	3546	
460-260852-8	BHP-HA03-COMP-S002	Total/NA	Solid	3546	
460-260852-11 - DL2	BHP-HA05-COMP-S001	Total/NA	Solid	3546	
460-260852-11 - DL	BHP-HA05-COMP-S001	Total/NA	Solid	3546	
460-260852-11	BHP-HA05-COMP-S001	Total/NA	Solid	3546	
460-260852-15	BHP-HA07-COMP-S001	Total/NA	Solid	3546	
460-260852-16	BHP-HA07-COMP-S002	Total/NA	Solid	3546	
460-260852-17	BHP-HA08-COMP-S001	Total/NA	Solid	3546	
MB 460-852750/1-A	Method Blank	Total/NA	Solid	3546	

GC/MS Semi VOA (Continued)

Prep Batch: 852750 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 460-852750/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-852750/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-260962-A-1-G MS	Matrix Spike	Total/NA	Solid	3546	
460-260962-A-1-H MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Analysis Batch: 852775

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-260852-2	BHP-FENCE-COMP-S001	TCLP	Solid	8270E	852633
LB 460-852487/1-D	Method Blank	TCLP	Solid	8270E	852633
MB 460-852633/1-A	Method Blank	Total/NA	Solid	8270E	852633
LCS 460-852633/2-A	Lab Control Sample	Total/NA	Solid	8270E	852633
LCSD 460-852633/3-A	Lab Control Sample Dup	Total/NA	Solid	8270E	852633

Analysis Batch: 852810

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-260852-3	BHP-HA01-COMP-S001	Total/NA	Solid	8270C	852750
460-260852-7	BHP-HA03-COMP-S001	Total/NA	Solid	8270C	852750
460-260852-8	BHP-HA03-COMP-S002	Total/NA	Solid	8270C	852750
460-260852-11	BHP-HA05-COMP-S001	Total/NA	Solid	8270C	852750
460-260852-15	BHP-HA07-COMP-S001	Total/NA	Solid	8270C	852750
460-260852-16	BHP-HA07-COMP-S002	Total/NA	Solid	8270C	852750
460-260852-17	BHP-HA08-COMP-S001	Total/NA	Solid	8270C	852750
MB 460-852750/1-A	Method Blank	Total/NA	Solid	8270C	852750
LCS 460-852750/2-A	Lab Control Sample	Total/NA	Solid	8270C	852750
LCSD 460-852750/3-A	Lab Control Sample Dup	Total/NA	Solid	8270C	852750
460-260962-A-1-G MS	Matrix Spike	Total/NA	Solid	8270C	852750
460-260962-A-1-H MSD	Matrix Spike Duplicate	Total/NA	Solid	8270C	852750

Analysis Batch: 852915

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-260852-11 - DL	BHP-HA05-COMP-S001	Total/NA	Solid	8270C	852750
460-260852-11 - DL2	BHP-HA05-COMP-S001	Total/NA	Solid	8270C	852750

GC Semi VOA

Leach Batch: 852487

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-260852-2	BHP-FENCE-COMP-S001	TCLP	Solid	1311	
LB 460-852487/1-B	Method Blank	TCLP	Solid	1311	
LB 460-852487/1-C	Method Blank	TCLP	Solid	1311	

Prep Batch: 852512

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-260852-2	BHP-FENCE-COMP-S001	Total/NA	Solid	3546	
MB 460-852512/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-852512/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-852512/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-260574-E-1-B MS	Matrix Spike	Total/NA	Solid	3546	
460-260574-E-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

GC Semi VOA

Analysis Batch: 852608

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-260852-2	BHP-FENCE-COMP-S001	Total/NA	Solid	8082A	852512
MB 460-852512/1-A	Method Blank	Total/NA	Solid	8082A	852512
LCS 460-852512/2-A	Lab Control Sample	Total/NA	Solid	8082A	852512
LCSD 460-852512/3-A	Lab Control Sample Dup	Total/NA	Solid	8082A	852512
460-260574-E-1-B MS	Matrix Spike	Total/NA	Solid	8082A	852512
460-260574-E-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8082A	852512

Prep Batch: 852613

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-260852-2	BHP-FENCE-COMP-S001	TCLP	Solid	8151A	852487
LB 460-852487/1-B	Method Blank	TCLP	Solid	8151A	852487
MB 460-852613/1-A	Method Blank	Total/NA	Solid	8151A	
LCS 460-852613/2-A	Lab Control Sample	Total/NA	Solid	8151A	
LCSD 460-852613/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	

Prep Batch: 852619

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-260852-2	BHP-FENCE-COMP-S001	TCLP	Solid	3510C	852487
LB 460-852487/1-C	Method Blank	TCLP	Solid	3510C	852487
MB 460-852619/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 460-852619/2-A	Lab Control Sample	Total/NA	Solid	3510C	
LCSD 460-852619/3-A	Lab Control Sample Dup	Total/NA	Solid	3510C	

Analysis Batch: 852757

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-260852-2	BHP-FENCE-COMP-S001	TCLP	Solid	8081B	852619
LB 460-852487/1-C	Method Blank	TCLP	Solid	8081B	852619
MB 460-852619/1-A	Method Blank	Total/NA	Solid	8081B	852619
LCS 460-852619/2-A	Lab Control Sample	Total/NA	Solid	8081B	852619
LCSD 460-852619/3-A	Lab Control Sample Dup	Total/NA	Solid	8081B	852619

Analysis Batch: 852760

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-260852-2	BHP-FENCE-COMP-S001	TCLP	Solid	8151A	852613
LB 460-852487/1-B	Method Blank	TCLP	Solid	8151A	852613
MB 460-852613/1-A	Method Blank	Total/NA	Solid	8151A	852613
LCS 460-852613/2-A	Lab Control Sample	Total/NA	Solid	8151A	852613
LCSD 460-852613/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	852613

Metals

Prep Batch: 852364

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-260852-3	BHP-HA01-COMP-S001	Total/NA	Solid	7471B	
MB 460-852364/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 460-852364/2-A ^4	Lab Control Sample	Total/NA	Solid	7471B	
460-260762-B-15-D MS	Matrix Spike	Total/NA	Solid	7471B	
460-260762-B-15-C DU	Duplicate	Total/NA	Solid	7471B	

Metals

Prep Batch: 852365

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-260852-4	BHP-HA01-COMP-S002	Total/NA	Solid	7471B	
460-260852-5	BHP-HA02-COMP-S001	Total/NA	Solid	7471B	
460-260852-7	BHP-HA03-COMP-S001	Total/NA	Solid	7471B	
460-260852-8	BHP-HA03-COMP-S002	Total/NA	Solid	7471B	
460-260852-9	BHP-HA04-COMP-S001	Total/NA	Solid	7471B	
460-260852-11	BHP-HA05-COMP-S001	Total/NA	Solid	7471B	
460-260852-12	BHP-HA05-COMP-S002	Total/NA	Solid	7471B	
460-260852-13	BHP-HA06-COMP-S001	Total/NA	Solid	7471B	
460-260852-15	BHP-HA07-COMP-S001	Total/NA	Solid	7471B	
460-260852-16	BHP-HA07-COMP-S002	Total/NA	Solid	7471B	
460-260852-17	BHP-HA08-COMP-S001	Total/NA	Solid	7471B	
460-260852-18	BHP-HA08-COMP-S002	Total/NA	Solid	7471B	
MB 460-852365/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 460-852365/2-A ^4	Lab Control Sample	Total/NA	Solid	7471B	
460-259859-C-1-J MS	Matrix Spike	Total/NA	Solid	7471B	
460-259859-C-1-I DU	Duplicate	Total/NA	Solid	7471B	

Analysis Batch: 852417

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-260852-3	BHP-HA01-COMP-S001	Total/NA	Solid	7471B	852364
460-260852-4	BHP-HA01-COMP-S002	Total/NA	Solid	7471B	852365
460-260852-5	BHP-HA02-COMP-S001	Total/NA	Solid	7471B	852365
460-260852-7	BHP-HA03-COMP-S001	Total/NA	Solid	7471B	852365
460-260852-8	BHP-HA03-COMP-S002	Total/NA	Solid	7471B	852365
460-260852-9	BHP-HA04-COMP-S001	Total/NA	Solid	7471B	852365
460-260852-11	BHP-HA05-COMP-S001	Total/NA	Solid	7471B	852365
460-260852-12	BHP-HA05-COMP-S002	Total/NA	Solid	7471B	852365
460-260852-13	BHP-HA06-COMP-S001	Total/NA	Solid	7471B	852365
460-260852-15	BHP-HA07-COMP-S001	Total/NA	Solid	7471B	852365
460-260852-16	BHP-HA07-COMP-S002	Total/NA	Solid	7471B	852365
460-260852-17	BHP-HA08-COMP-S001	Total/NA	Solid	7471B	852365
460-260852-18	BHP-HA08-COMP-S002	Total/NA	Solid	7471B	852365
MB 460-852364/1-A	Method Blank	Total/NA	Solid	7471B	852364
MB 460-852365/1-A	Method Blank	Total/NA	Solid	7471B	852365
LCSSRM 460-852364/2-A ^4	Lab Control Sample	Total/NA	Solid	7471B	852364
LCSSRM 460-852365/2-A ^4	Lab Control Sample	Total/NA	Solid	7471B	852365
460-259859-C-1-J MS	Matrix Spike	Total/NA	Solid	7471B	852365
460-260762-B-15-D MS	Matrix Spike	Total/NA	Solid	7471B	852364
460-259859-C-1-I DU	Duplicate	Total/NA	Solid	7471B	852365
460-260762-B-15-C DU	Duplicate	Total/NA	Solid	7471B	852364

Leach Batch: 852487

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-260852-2	BHP-FENCE-COMP-S001	TCLP	Solid	1311	
LB 460-852487/1-F	Method Blank	TCLP	Solid	1311	
LB 460-852487/1-H ^5	Method Blank	TCLP	Solid	1311	
410-87870-A-29-H MS	Matrix Spike	TCLP	Solid	1311	
410-87870-A-32-I MS	Matrix Spike	TCLP	Solid	1311	
410-87870-A-29-G DU	Duplicate	TCLP	Solid	1311	
410-87870-A-32-H DU	Duplicate	TCLP	Solid	1311	

Metals

Prep Batch: 852647

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-260852-3	BHP-HA01-COMP-S001	Total/NA	Solid	3050B	
460-260852-4	BHP-HA01-COMP-S002	Total/NA	Solid	3050B	
460-260852-5	BHP-HA02-COMP-S001	Total/NA	Solid	3050B	
460-260852-7	BHP-HA03-COMP-S001	Total/NA	Solid	3050B	
460-260852-8	BHP-HA03-COMP-S002	Total/NA	Solid	3050B	
460-260852-9	BHP-HA04-COMP-S001	Total/NA	Solid	3050B	
460-260852-11	BHP-HA05-COMP-S001	Total/NA	Solid	3050B	
460-260852-12	BHP-HA05-COMP-S002	Total/NA	Solid	3050B	
460-260852-13	BHP-HA06-COMP-S001	Total/NA	Solid	3050B	
460-260852-15	BHP-HA07-COMP-S001	Total/NA	Solid	3050B	
460-260852-16	BHP-HA07-COMP-S002	Total/NA	Solid	3050B	
460-260852-17	BHP-HA08-COMP-S001	Total/NA	Solid	3050B	
460-260852-18	BHP-HA08-COMP-S002	Total/NA	Solid	3050B	
MB 460-852647/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 460-852647/2-A	Lab Control Sample	Total/NA	Solid	3050B	
460-260852-18 MS	BHP-HA08-COMP-S002	Total/NA	Solid	3050B	
460-260852-18 DU	BHP-HA08-COMP-S002	Total/NA	Solid	3050B	

Prep Batch: 852703

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-260852-2	BHP-FENCE-COMP-S001	TCLP	Solid	7470A	852487
LB 460-852487/1-F	Method Blank	TCLP	Solid	7470A	852487
MB 460-852703/1-A	Method Blank	Total/NA	Solid	7470A	
LCS 460-852703/2-A	Lab Control Sample	Total/NA	Solid	7470A	
410-87870-A-29-H MS	Matrix Spike	TCLP	Solid	7470A	852487
410-87870-A-29-G DU	Duplicate	TCLP	Solid	7470A	852487

Analysis Batch: 852754

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-260852-2	BHP-FENCE-COMP-S001	TCLP	Solid	7470A	852703
LB 460-852487/1-F	Method Blank	TCLP	Solid	7470A	852703
MB 460-852703/1-A	Method Blank	Total/NA	Solid	7470A	852703
LCS 460-852703/2-A	Lab Control Sample	Total/NA	Solid	7470A	852703
410-87870-A-29-H MS	Matrix Spike	TCLP	Solid	7470A	852703
410-87870-A-29-G DU	Duplicate	TCLP	Solid	7470A	852703

Analysis Batch: 852925

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-260852-3	BHP-HA01-COMP-S001	Total/NA	Solid	6010D	852647
460-260852-4	BHP-HA01-COMP-S002	Total/NA	Solid	6010D	852647
460-260852-4	BHP-HA01-COMP-S002	Total/NA	Solid	6010D	852647
460-260852-5	BHP-HA02-COMP-S001	Total/NA	Solid	6010D	852647
460-260852-7	BHP-HA03-COMP-S001	Total/NA	Solid	6010D	852647
460-260852-8	BHP-HA03-COMP-S002	Total/NA	Solid	6010D	852647
460-260852-9	BHP-HA04-COMP-S001	Total/NA	Solid	6010D	852647
460-260852-11	BHP-HA05-COMP-S001	Total/NA	Solid	6010D	852647
460-260852-12	BHP-HA05-COMP-S002	Total/NA	Solid	6010D	852647
460-260852-13	BHP-HA06-COMP-S001	Total/NA	Solid	6010D	852647
460-260852-15	BHP-HA07-COMP-S001	Total/NA	Solid	6010D	852647
460-260852-16	BHP-HA07-COMP-S002	Total/NA	Solid	6010D	852647
460-260852-16	BHP-HA07-COMP-S002	Total/NA	Solid	6010D	852647

Metals (Continued)

Analysis Batch: 852925 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-260852-17	BHP-HA08-COMP-S001	Total/NA	Solid	6010D	852647
460-260852-18	BHP-HA08-COMP-S002	Total/NA	Solid	6010D	852647
MB 460-852647/1-A	Method Blank	Total/NA	Solid	6010D	852647
LCSSRM 460-852647/2-A	Lab Control Sample	Total/NA	Solid	6010D	852647
LRC 460-852925/14	Lab Control Sample		Solid	6010D	
LRC 460-852925/15	Lab Control Sample		Solid	6010D	
460-260852-18 MS	BHP-HA08-COMP-S002	Total/NA	Solid	6010D	852647
460-260852-18 DU	BHP-HA08-COMP-S002	Total/NA	Solid	6010D	852647

Prep Batch: 853156

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-260852-2	BHP-FENCE-COMP-S001	TCLP	Solid	3010A	852487
LB 460-852487/1-H ^5	Method Blank	TCLP	Solid	3010A	852487
MB 460-853156/1-A	Method Blank	Total/NA	Solid	3010A	
LCS 460-853156/2-A	Lab Control Sample	Total/NA	Solid	3010A	
410-87870-A-32-I MS	Matrix Spike	TCLP	Solid	3010A	852487
410-87870-A-32-H DU	Duplicate	TCLP	Solid	3010A	852487

Analysis Batch: 853184

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-260852-2	BHP-FENCE-COMP-S001	TCLP	Solid	6010D	853156
LB 460-852487/1-H ^5	Method Blank	TCLP	Solid	6010D	853156
MB 460-853156/1-A	Method Blank	Total/NA	Solid	6010D	853156
LCS 460-853156/2-A	Lab Control Sample	Total/NA	Solid	6010D	853156
LRC 460-853184/14	Lab Control Sample		Solid	6010D	
LRC 460-853184/15	Lab Control Sample		Solid	6010D	
410-87870-A-32-I MS	Matrix Spike	TCLP	Solid	6010D	853156
410-87870-A-32-H DU	Duplicate	TCLP	Solid	6010D	853156

General Chemistry

Analysis Batch: 852434

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-260852-2	BHP-FENCE-COMP-S001	Total/NA	Solid	9045D	
MB 460-852434/2	Method Blank	Total/NA	Solid	9045D	
LCSSRM 460-852434/3	Lab Control Sample	Total/NA	Solid	9045D	
460-260591-E-2 DU	Duplicate	Total/NA	Solid	9045D	

Analysis Batch: 852455

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-260852-2	BHP-FENCE-COMP-S001	Total/NA	Solid	Moisture	
460-260852-3	BHP-HA01-COMP-S001	Total/NA	Solid	Moisture	
460-260852-4	BHP-HA01-COMP-S002	Total/NA	Solid	Moisture	
460-260852-5	BHP-HA02-COMP-S001	Total/NA	Solid	Moisture	
460-260852-7	BHP-HA03-COMP-S001	Total/NA	Solid	Moisture	
460-260852-8	BHP-HA03-COMP-S002	Total/NA	Solid	Moisture	
460-260852-9	BHP-HA04-COMP-S001	Total/NA	Solid	Moisture	
460-260852-11	BHP-HA05-COMP-S001	Total/NA	Solid	Moisture	
460-260852-12	BHP-HA05-COMP-S002	Total/NA	Solid	Moisture	
460-260852-13	BHP-HA06-COMP-S001	Total/NA	Solid	Moisture	
460-260852-15	BHP-HA07-COMP-S001	Total/NA	Solid	Moisture	

General Chemistry (Continued)

Analysis Batch: 852455 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-260852-16	BHP-HA07-COMP-S002	Total/NA	Solid	Moisture	
460-260852-17	BHP-HA08-COMP-S001	Total/NA	Solid	Moisture	
460-260852-18	BHP-HA08-COMP-S002	Total/NA	Solid	Moisture	
460-260852-18 DU	BHP-HA08-COMP-S002	Total/NA	Solid	Moisture	

Leach Batch: 852698

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-260852-2	BHP-FENCE-COMP-S001	ASTM Leach	Solid	D3987-85	
LB 460-852698/1-A	Method Blank	ASTM Leach	Solid	D3987-85	

Analysis Batch: 852936

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-260852-2	BHP-FENCE-COMP-S001	Total/NA	Solid	9095B	
460-260852-2 DU	BHP-FENCE-COMP-S001	Total/NA	Solid	9095B	

Prep Batch: 853181

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-260852-2	BHP-FENCE-COMP-S001	Total/NA	Solid	7.3.4	
MB 460-853181/1-A	Method Blank	Total/NA	Solid	7.3.4	
LCSSRM 460-853181/3-A	Lab Control Sample	Total/NA	Solid	7.3.4	
460-260756-D-1-B MS	Matrix Spike	Total/NA	Solid	7.3.4	
460-260756-D-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	7.3.4	

Prep Batch: 853182

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-260852-2	BHP-FENCE-COMP-S001	Total/NA	Solid	7.3.3	
MB 460-853182/1-A	Method Blank	Total/NA	Solid	7.3.3	
LCS 460-853182/2-A	Lab Control Sample	Total/NA	Solid	7.3.3	
460-260756-D-1-E DU	Duplicate	Total/NA	Solid	7.3.3	

Analysis Batch: 853200

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-260852-2	BHP-FENCE-COMP-S001	Total/NA	Solid	9034	853181
MB 460-853181/1-A	Method Blank	Total/NA	Solid	9034	853181
LCSSRM 460-853181/3-A	Lab Control Sample	Total/NA	Solid	9034	853181
460-260756-D-1-B MS	Matrix Spike	Total/NA	Solid	9034	853181
460-260756-D-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	9034	853181

Analysis Batch: 853201

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-260852-2	BHP-FENCE-COMP-S001	Total/NA	Solid	9014	853182
MB 460-853182/1-A	Method Blank	Total/NA	Solid	9014	853182
LCS 460-853182/2-A	Lab Control Sample	Total/NA	Solid	9014	853182
460-260756-D-1-E DU	Duplicate	Total/NA	Solid	9014	853182

Analysis Batch: 853619

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-260852-2	BHP-FENCE-COMP-S001	ASTM Leach	Solid	9038	852698
LB 460-852698/1-A	Method Blank	ASTM Leach	Solid	9038	852698
MB 460-853619/16	Method Blank	Total/NA	Solid	9038	
MB 460-853619/3	Method Blank	Total/NA	Solid	9038	

General Chemistry (Continued)

Analysis Batch: 853619 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSSRM 460-853619/17	Lab Control Sample	Total/NA	Solid	9038	
MRL 460-853619/4	Lab Control Sample	Total/NA	Solid	9038	
460-260919-D-2 MS	Matrix Spike	Total/NA	Solid	9038	
460-260919-D-2 MSD	Matrix Spike Duplicate	Total/NA	Solid	9038	

Prep Batch: 854321

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-260852-2	BHP-FENCE-COMP-S001	Total/NA	Solid	9030B	
MB 460-854321/1-A	Method Blank	Total/NA	Solid	9030B	
LCS 460-854321/3-A	Lab Control Sample	Total/NA	Solid	9030B	
460-260852-2 MS	BHP-FENCE-COMP-S001	Total/NA	Solid	9030B	
460-260852-2 MSD	BHP-FENCE-COMP-S001	Total/NA	Solid	9030B	

Analysis Batch: 854322

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-260852-2	BHP-FENCE-COMP-S001	Total/NA	Solid	9034	854321
MB 460-854321/1-A	Method Blank	Total/NA	Solid	9034	854321
LCS 460-854321/3-A	Lab Control Sample	Total/NA	Solid	9034	854321
460-260852-2 MS	BHP-FENCE-COMP-S001	Total/NA	Solid	9034	854321
460-260852-2 MSD	BHP-FENCE-COMP-S001	Total/NA	Solid	9034	854321

Client Sample ID: BHP-FENCE-COMP-S001
Lab Sample ID: 460-260852-2

Date Collected: 06/23/22 14:00
Matrix: Solid
Date Received: 06/24/22 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			852599	06/29/22 07:36	BJB	TAL EDI
TCLP	Analysis	8260D		10	852839	06/30/22 11:20	CJM	TAL EDI
TCLP	Leach	1311			852487	06/28/22 16:00	YAH	TAL EDI
TCLP	Prep	3510C			852633	06/29/22 09:31	ZEH	TAL EDI
TCLP	Analysis	8270E		1	852775	06/30/22 02:27	MME	TAL EDI
TCLP	Leach	1311			852487	06/28/22 16:00	YAH	TAL EDI
TCLP	Prep	3510C			852619	06/29/22 09:15	ZEH	TAL EDI
TCLP	Analysis	8081B		1	852757	06/29/22 22:29	SAK	TAL EDI
TCLP	Leach	1311			852487	06/28/22 16:00	YAH	TAL EDI
TCLP	Prep	8151A			852613	06/29/22 09:05	ZEH	TAL EDI
TCLP	Analysis	8151A		1	852760	06/30/22 07:14	SAK	TAL EDI
TCLP	Leach	1311			852487	06/28/22 16:00	YAH	TAL EDI
TCLP	Prep	3010A			853156	07/01/22 09:47	VAP	TAL EDI
TCLP	Analysis	6010D		5	853184	07/01/22 15:46	CDC	TAL EDI
TCLP	Leach	1311			852487	06/28/22 16:00	YAH	TAL EDI
TCLP	Prep	7470A			852703	06/29/22 15:23	RBS	TAL EDI
TCLP	Analysis	7470A		1	852754	06/29/22 17:16	RBS	TAL EDI
Total/NA	Prep	7.3.3			853182	07/01/22 12:05	YAH	TAL EDI
Total/NA	Analysis	9014		1	853201	07/01/22 15:39	YAH	TAL EDI
Total/NA	Prep	7.3.4			853181	07/01/22 12:03	YAH	TAL EDI
Total/NA	Analysis	9034		1	853200	07/01/22 15:36	YAH	TAL EDI
ASTM Leach	Leach	D3987-85			852698	06/29/22 15:00	STD	TAL EDI
ASTM Leach	Analysis	9038		1	853619	07/05/22 10:17	RAK	TAL EDI
Total/NA	Analysis	9045D		1	852434	06/28/22 12:34	KSS	TAL EDI
Total/NA	Analysis	9095B		1	852936	06/30/22 11:38	YAH	TAL EDI
Total/NA	Analysis	Moisture		1	852455	06/28/22 13:07	FBT	TAL EDI

Client Sample ID: BHP-FENCE-COMP-S001
Lab Sample ID: 460-260852-2

Date Collected: 06/23/22 14:00
Matrix: Solid
Date Received: 06/24/22 19:00
Percent Solids: 77.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			852315	06/27/22 17:20	JJC	TAL EDI
Total/NA	Analysis	8260B		50	852635	06/29/22 20:16	KLB	TAL EDI
Total/NA	Prep	3546			852512	06/28/22 19:20	ARA	TAL EDI
Total/NA	Analysis	8082A		1	852608	06/29/22 12:39	SAK	TAL EDI
Total/NA	Prep	9030B			854321	07/08/22 15:46	YAH	TAL EDI
Total/NA	Analysis	9034		1	854322	07/08/22 15:49	YAH	TAL EDI

Client Sample ID: BHP-HA01-COMP-S001
Lab Sample ID: 460-260852-3

Date Collected: 06/23/22 11:00
Matrix: Solid
Date Received: 06/24/22 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	852455	06/28/22 13:07	FBT	TAL EDI

Client Sample ID: BHP-HA01-COMP-S001 — Lab Sample ID: 460-260852-3

Date Collected: 06/23/22 11:00 — **Matrix: Solid**
Date Received: 06/24/22 19:00 — **Percent Solids: 76.2**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			852750	06/29/22 17:17	DMS	TAL EDI
Total/NA	Analysis	8270C		1	852810	06/30/22 10:09	MME	TAL EDI
Total/NA	Prep	3050B			852647	06/29/22 12:01	NNW	TAL EDI
Total/NA	Analysis	6010D		2	852925	06/30/22 11:54	CDC	TAL EDI
Total/NA	Prep	7471B			852364	06/28/22 00:53	TJS	TAL EDI
Total/NA	Analysis	7471B		1	852417	06/28/22 05:34	TJS	TAL EDI

Client Sample ID: BHP-HA01-COMP-S002 — Lab Sample ID: 460-260852-4

Date Collected: 06/23/22 11:15 — **Matrix: Solid**
Date Received: 06/24/22 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	852455	06/28/22 13:07	FBT	TAL EDI

Client Sample ID: BHP-HA01-COMP-S002 — Lab Sample ID: 460-260852-4

Date Collected: 06/23/22 11:15 — **Matrix: Solid**
Date Received: 06/24/22 19:00 — **Percent Solids: 64.3**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			852647	06/29/22 10:58	NNW	TAL EDI
Total/NA	Analysis	6010D		2	852925	06/30/22 11:27	CDC	TAL EDI
Total/NA	Prep	3050B			852647	06/29/22 10:58	NNW	TAL EDI
Total/NA	Analysis	6010D		10	852925	06/30/22 16:01	CDC	TAL EDI
Total/NA	Prep	7471B			852365	06/28/22 01:14	TJS	TAL EDI
Total/NA	Analysis	7471B		1	852417	06/28/22 05:51	TJS	TAL EDI

Client Sample ID: BHP-HA02-COMP-S001 — Lab Sample ID: 460-260852-5

Date Collected: 06/23/22 12:21 — **Matrix: Solid**
Date Received: 06/24/22 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	852455	06/28/22 13:07	FBT	TAL EDI

Client Sample ID: BHP-HA02-COMP-S001 — Lab Sample ID: 460-260852-5

Date Collected: 06/23/22 12:21 — **Matrix: Solid**
Date Received: 06/24/22 19:00 — **Percent Solids: 85.6**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			852647	06/29/22 10:58	NNW	TAL EDI
Total/NA	Analysis	6010D		2	852925	06/30/22 11:31	CDC	TAL EDI
Total/NA	Prep	7471B			852365	06/28/22 01:14	TJS	TAL EDI
Total/NA	Analysis	7471B		1	852417	06/28/22 05:52	TJS	TAL EDI

Client Sample ID: BHP-HA03-COMP-S001 Lab Sample ID: 460-260852-7

Date Collected: 06/23/22 13:00 **Matrix: Solid**
Date Received: 06/24/22 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	852455	06/28/22 13:07	FBT	TAL EDI

Client Sample ID: BHP-HA03-COMP-S001 Lab Sample ID: 460-260852-7

Date Collected: 06/23/22 13:00 **Matrix: Solid**
Date Received: 06/24/22 19:00 **Percent Solids: 88.4**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			852750	06/29/22 17:17	DMS	TAL EDI
Total/NA	Analysis	8270C		1	852810	06/30/22 01:55	MME	TAL EDI
Total/NA	Prep	3050B			852647	06/29/22 12:01	NNW	TAL EDI
Total/NA	Analysis	6010D		2	852925	06/30/22 11:58	CDC	TAL EDI
Total/NA	Prep	7471B			852365	06/28/22 01:14	TJS	TAL EDI
Total/NA	Analysis	7471B		1	852417	06/28/22 05:54	TJS	TAL EDI

Client Sample ID: BHP-HA03-COMP-S002 Lab Sample ID: 460-260852-8

Date Collected: 06/23/22 13:15 **Matrix: Solid**
Date Received: 06/24/22 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	852455	06/28/22 13:07	FBT	TAL EDI

Client Sample ID: BHP-HA03-COMP-S002 Lab Sample ID: 460-260852-8

Date Collected: 06/23/22 13:15 **Matrix: Solid**
Date Received: 06/24/22 19:00 **Percent Solids: 75.0**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			852750	06/29/22 17:17	DMS	TAL EDI
Total/NA	Analysis	8270C		1	852810	06/30/22 02:42	MME	TAL EDI
Total/NA	Prep	3050B			852647	06/29/22 12:01	NNW	TAL EDI
Total/NA	Analysis	6010D		2	852925	06/30/22 12:02	CDC	TAL EDI
Total/NA	Prep	7471B			852365	06/28/22 01:14	TJS	TAL EDI
Total/NA	Analysis	7471B		5	852417	06/28/22 07:17	TJS	TAL EDI

Client Sample ID: BHP-HA04-COMP-S001 Lab Sample ID: 460-260852-9

Date Collected: 06/23/22 13:30 **Matrix: Solid**
Date Received: 06/24/22 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	852455	06/28/22 13:07	FBT	TAL EDI

Client Sample ID: BHP-HA04-COMP-S001 Lab Sample ID: 460-260852-9

Date Collected: 06/23/22 13:30 **Matrix: Solid**
Date Received: 06/24/22 19:00 **Percent Solids: 84.0**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			852647	06/29/22 10:59	NNW	TAL EDI
Total/NA	Analysis	6010D		2	852925	06/30/22 11:34	CDC	TAL EDI
Total/NA	Prep	7471B			852365	06/28/22 01:14	TJS	TAL EDI
Total/NA	Analysis	7471B		1	852417	06/28/22 06:02	TJS	TAL EDI

Client Sample ID: BHP-HA05-COMP-S001 Lab Sample ID: 460-260852-11

Date Collected: 06/23/22 13:40 **Matrix: Solid**
Date Received: 06/24/22 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	852455	06/28/22 13:07	FBT	TAL EDI

Client Sample ID: BHP-HA05-COMP-S001 Lab Sample ID: 460-260852-11

Date Collected: 06/23/22 13:40 **Matrix: Solid**
Date Received: 06/24/22 19:00 **Percent Solids: 83.9**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546	DL		852750	06/29/22 17:17	DMS	TAL EDI
Total/NA	Analysis	8270C	DL	5	852915	06/30/22 21:17	DAN	TAL EDI
Total/NA	Prep	3546	DL2		852750	06/29/22 17:17	DMS	TAL EDI
Total/NA	Analysis	8270C	DL2	10	852915	06/30/22 21:52	DAN	TAL EDI
Total/NA	Prep	3546			852750	06/29/22 17:17	DMS	TAL EDI
Total/NA	Analysis	8270C		1	852810	06/30/22 03:06	MME	TAL EDI
Total/NA	Prep	3050B			852647	06/29/22 12:01	NNW	TAL EDI
Total/NA	Analysis	6010D		2	852925	06/30/22 12:05	CDC	TAL EDI
Total/NA	Prep	7471B			852365	06/28/22 01:14	TJS	TAL EDI
Total/NA	Analysis	7471B		5	852417	06/28/22 07:19	TJS	TAL EDI

Client Sample ID: BHP-HA05-COMP-S002 Lab Sample ID: 460-260852-12

Date Collected: 06/23/22 13:55 **Matrix: Solid**
Date Received: 06/24/22 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	852455	06/28/22 13:07	FBT	TAL EDI

Client Sample ID: BHP-HA05-COMP-S002 Lab Sample ID: 460-260852-12

Date Collected: 06/23/22 13:55 **Matrix: Solid**
Date Received: 06/24/22 19:00 **Percent Solids: 65.3**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			852647	06/29/22 10:59	NNW	TAL EDI
Total/NA	Analysis	6010D		2	852925	06/30/22 11:46	CDC	TAL EDI
Total/NA	Prep	7471B			852365	06/28/22 01:14	TJS	TAL EDI
Total/NA	Analysis	7471B		1	852417	06/28/22 07:21	TJS	TAL EDI

Client Sample ID: BHP-HA06-COMP-S001 Lab Sample ID: 460-260852-13
Date Collected: 06/23/22 14:02 **Matrix: Solid**
Date Received: 06/24/22 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	852455	06/28/22 13:07	FBT	TAL EDI

Client Sample ID: BHP-HA06-COMP-S001 Lab Sample ID: 460-260852-13
Date Collected: 06/23/22 14:02 **Matrix: Solid**
Date Received: 06/24/22 19:00 **Percent Solids: 91.1**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			852647	06/29/22 11:10	NNW	TAL EDI
Total/NA	Analysis	6010D		2	852925	06/30/22 11:50	CDC	TAL EDI
Total/NA	Prep	7471B			852365	06/28/22 01:14	TJS	TAL EDI
Total/NA	Analysis	7471B		1	852417	06/28/22 06:07	TJS	TAL EDI

Client Sample ID: BHP-HA07-COMP-S001 Lab Sample ID: 460-260852-15
Date Collected: 06/23/22 14:20 **Matrix: Solid**
Date Received: 06/24/22 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	852455	06/28/22 13:07	FBT	TAL EDI

Client Sample ID: BHP-HA07-COMP-S001 Lab Sample ID: 460-260852-15
Date Collected: 06/23/22 14:20 **Matrix: Solid**
Date Received: 06/24/22 19:00 **Percent Solids: 86.2**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			852750	06/29/22 17:17	DMS	TAL EDI
Total/NA	Analysis	8270C		1	852810	06/30/22 03:29	MME	TAL EDI
Total/NA	Prep	3050B			852647	06/29/22 12:01	NNW	TAL EDI
Total/NA	Analysis	6010D		2	852925	06/30/22 12:09	CDC	TAL EDI
Total/NA	Prep	7471B			852365	06/28/22 01:14	TJS	TAL EDI
Total/NA	Analysis	7471B		1	852417	06/28/22 06:09	TJS	TAL EDI

Client Sample ID: BHP-HA07-COMP-S002 Lab Sample ID: 460-260852-16
Date Collected: 06/23/22 14:30 **Matrix: Solid**
Date Received: 06/24/22 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	852455	06/28/22 13:07	FBT	TAL EDI

Client Sample ID: BHP-HA07-COMP-S002 Lab Sample ID: 460-260852-16
Date Collected: 06/23/22 14:30 **Matrix: Solid**
Date Received: 06/24/22 19:00 **Percent Solids: 75.3**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			852750	06/29/22 17:17	DMS	TAL EDI
Total/NA	Analysis	8270C		1	852810	06/30/22 03:53	MME	TAL EDI

Client Sample ID: BHP-HA07-COMP-S002 Lab Sample ID: 460-260852-16

Date Collected: 06/23/22 14:30 **Matrix: Solid**
Date Received: 06/24/22 19:00 **Percent Solids: 75.3**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			852647	06/29/22 12:01	NNW	TAL EDI
Total/NA	Analysis	6010D		2	852925	06/30/22 12:13	CDC	TAL EDI
Total/NA	Prep	3050B			852647	06/29/22 12:01	NNW	TAL EDI
Total/NA	Analysis	6010D		10	852925	06/30/22 16:05	CDC	TAL EDI
Total/NA	Prep	7471B			852365	06/28/22 01:14	TJS	TAL EDI
Total/NA	Analysis	7471B		1	852417	06/28/22 06:11	TJS	TAL EDI

Client Sample ID: BHP-HA08-COMP-S001 Lab Sample ID: 460-260852-17

Date Collected: 06/23/22 14:45 **Matrix: Solid**
Date Received: 06/24/22 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	852455	06/28/22 13:07	FBT	TAL EDI

Client Sample ID: BHP-HA08-COMP-S001 Lab Sample ID: 460-260852-17

Date Collected: 06/23/22 14:45 **Matrix: Solid**
Date Received: 06/24/22 19:00 **Percent Solids: 76.7**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			852750	06/29/22 21:56	DMS	TAL EDI
Total/NA	Analysis	8270C		1	852810	06/30/22 02:19	MME	TAL EDI
Total/NA	Prep	3050B			852647	06/29/22 12:01	NNW	TAL EDI
Total/NA	Analysis	6010D		2	852925	06/30/22 12:17	CDC	TAL EDI
Total/NA	Prep	7471B			852365	06/28/22 01:14	TJS	TAL EDI
Total/NA	Analysis	7471B		5	852417	06/28/22 07:22	TJS	TAL EDI

Client Sample ID: BHP-HA08-COMP-S002 Lab Sample ID: 460-260852-18

Date Collected: 06/23/22 14:58 **Matrix: Solid**
Date Received: 06/24/22 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	852455	06/28/22 13:07	FBT	TAL EDI

Client Sample ID: BHP-HA08-COMP-S002 Lab Sample ID: 460-260852-18

Date Collected: 06/23/22 14:58 **Matrix: Solid**
Date Received: 06/24/22 19:00 **Percent Solids: 82.5**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			852647	06/29/22 10:58	NNW	TAL EDI
Total/NA	Analysis	6010D		2	852925	06/30/22 11:19	CDC	TAL EDI
Total/NA	Prep	7471B			852365	06/28/22 01:14	TJS	TAL EDI
Total/NA	Analysis	7471B		1	852417	06/28/22 07:28	TJS	TAL EDI

Lab Chronicle

Client: BrightFields, Inc.
Job ID: 460-260852-1
Project/Site: Hicks Park Limited Phase 2

Client Sample ID: BHP-FS-GRAB-S301
Lab Sample ID: 460-260852-19

Date Collected: 06/23/22 15:30
Matrix: Solid
Date Received: 06/24/22 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			852315	06/27/22 17:20	JJC	TAL EDI
Total/NA	Analysis	8260B		50	852635	06/29/22 16:55	KLB	TAL EDI

Laboratory References:

TAL EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Accreditation/Certification Summary

Client: BrightFields, Inc. Job ID: 460-260852-1
Project/Site: Hicks Park Limited Phase 2

Laboratory: Eurofins Edison

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Connecticut	State	PH-0200	09-30-22
DE Haz. Subst. Cleanup Act (HSCA)	State	N/A	01-01-23
Massachusetts	State	M-NJ312	06-30-23
New Jersey	NELAP	12028	07-01-23
New York	NELAP	11452	04-01-23
Pennsylvania	NELAP	68-00522	02-28-23
Rhode Island	State	LAO00376	12-31-22
USDA	US Federal Programs	P330-20-00244	11-03-23

8260D

Volatile Organic Compounds by GC/MS

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-260852-1

SDG No.:

Matrix: Solid (TCLP) Level: Low

GC Column (1): Rtx-624 ID: 0.25(mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
BHP-FENCE-COMP-S001	460-260852-2	101	113	93	88
	MB 460-852839/8	98	111	92	87
	LB 460-852599/1-A	98	111	90	84
	LCS 460-852839/3	97	110	93	88
	LCSD 460-852839/4	96	108	93	89

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	77-124
DCA = 1,2-Dichloroethane-d4 (Surr)	70-128
TOL = Toluene-d8 (Surr)	80-120
BFB = 4-Bromofluorobenzene	76-120

Column to be used to flag recovery values

FORM II 8260D

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-260852-1

SDG No.:

Matrix: Water Level: Low Lab File ID: N52186.D

Lab ID: LCS 460-852839/3 Client ID:

COMPOUND	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC	QC LIMITS REC	#
1,1-Dichloroethene	0.0200	0.0148	74	68-133	
1,2-Dichloroethane	0.0200	0.0229	114	66-129	
2-Butanone (MEK)	0.100	0.0850	85	61-128	
Benzene	0.0200	0.0191	96	71-126	
Carbon tetrachloride	0.0200	0.0188	94	61-131	
Chlorobenzene	0.0200	0.0190	95	80-120	
Chloroform	0.0200	0.0212	106	78-125	
Tetrachloroethene	0.0200	0.0176	88	70-127	
Trichloroethene	0.0200	0.0178	89	71-121	
Vinyl chloride	0.0200	0.0203	101	55-144	

Column to be used to flag recovery and RPD values

FORM III 8260D

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-260852-1

SDG No.:

Matrix: Water Level: Low Lab File ID: N52187.D

Lab ID: LCSD 460-852839/4 Client ID:

COMPOUND	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1-Dichloroethene	0.0200	0.0152	76	3	30	68-133	
1,2-Dichloroethane	0.0200	0.0220	110	4	30	66-129	
2-Butanone (MEK)	0.100	0.0825	83	3	30	61-128	
Benzene	0.0200	0.0188	94	2	30	71-126	
Carbon tetrachloride	0.0200	0.0180	90	4	30	61-131	
Chlorobenzene	0.0200	0.0189	95	0	30	80-120	
Chloroform	0.0200	0.0203	102	4	30	78-125	
Tetrachloroethene	0.0200	0.0173	86	2	30	70-127	
Trichloroethene	0.0200	0.0178	89	0	30	71-121	
Vinyl chloride	0.0200	0.0199	99	2	30	55-144	

Column to be used to flag recovery and RPD values

FORM III 8260D

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Edison Job No.: 460-260852-1

SDG No.:

Lab File ID: N52191.D Lab Sample ID: MB 460-852839/8

Matrix: Water Heated Purge:(Y/N) N

Instrument ID: CVOAMS11 Date Analyzed: 06/30/2022 10:11

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

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-852839/3	N52186.D	06/30/2022 08:16
	LCSD 460-852839/4	N52187.D	06/30/2022 08:39
	LB 460-852599/1-A	N52193.D	06/30/2022 10:57
BHP-FENCE-COMP-S001	460-260852-2	N52194.D	06/30/2022 11:20

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins Edison Job No.: 460-260852-1

SDG No.:

Lab File ID: N48286.D BFB Injection Date: 04/19/2022

Instrument ID: CVOAMS11 BFB Injection Time: 10:02

Analysis Batch No.: 839936

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	50 - 200% of m/z 174	127.9
96	5 - 9% of m/z 95	6.1
173	Less than 2% of m/z 174	0.0
174	50 - 200% of m/z 95	78.2
175	5 - 9% of m/z 174	7.8
176	95 -105% of m/z 174	97.3
177	5 - 10% of m/z 176	6.7

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
	STD7 460-839936/3	N48288.D	04/19/2022	12:16
	STD5 460-839936/5	N48290.D	04/19/2022	13:25
	STD20 460-839936/6	N48291.D	04/19/2022	13:48
	STD50 460-839936/7	N48292.D	04/19/2022	14:14
	STD200 460-839936/8	N48293.D	04/19/2022	14:43
	STD500 460-839936/9	N48294.D	04/19/2022	15:05
	STD1 460-839936/18	N48302.D	04/19/2022	18:09
	ICV 460-839936/17	N48303.D	04/19/2022	18:32

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Edison Job No.: 460-260852-1

SDG No.:

Sample No.: STD20 460-839936/6 Date Analyzed: 04/19/2022 13:48

Instrument ID: CVOAMS11 GC Column: Rtx-624 ID: 0.25(mm)

Lab File ID (Standard): N48291.D Heated Purge: (Y/N) N

Calibration ID: 90241

		TBAd9		BUT		FB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		43287	2.90	313407	3.91	494351	4.98
UPPER LIMIT		86574	3.40	626814	4.41	988702	5.48
LOWER LIMIT		21644	2.40	156704	3.41	247176	4.48
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 460-839936/17		44609	2.90	325732	3.91	485648	4.97

TBAd9 = TBA-d9 (IS)
BUT = 2-Butanone-d5
FB = Fluorobenzene

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 8260D

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Edison Job No.: 460-260852-1

SDG No.:

Sample No.: STD20 460-839936/6 Date Analyzed: 04/19/2022 13:48

Instrument ID: CVOAMS11 GC Column: Rtx-624 ID: 0.25(mm)

Lab File ID (Standard): N48291.D Heated Purge: (Y/N) N

Calibration ID: 90241

		DXE		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		28148	5.65	350383	8.36	190593	11.00
UPPER LIMIT		56296	6.15	700766	8.86	381186	11.50
LOWER LIMIT		14074	5.15	175192	7.86	95297	10.50
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 460-839936/17		28120	5.65	325441	8.36	168256	11.00

DXE = 1,4-Dioxane-d8
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

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 8260D

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Edison Job No.: 460-260852-1

SDG No.:

Sample No.: CCVIS 460-852839/2 Date Analyzed: 06/30/2022 07:53

Instrument ID: CVOAMS11 GC Column: Rtx-624 ID: 0.25(mm)

Lab File ID (Standard): N52185.D Heated Purge: (Y/N) N

Calibration ID: 90241

		TBAd9		BUT		FB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		59908	2.90	470271	3.91	660679	4.97
UPPER LIMIT		119816	3.40	940542	4.41	1321358	5.47
LOWER LIMIT		29954	2.40	235136	3.41	330340	4.47
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-852839/3		71696	2.90	528440	3.91	712382	4.97
LCSD 460-852839/4		70448	2.89	548477	3.91	755969	4.97
MB 460-852839/8		68411	2.90	548146	3.91	714379	4.97
LB 460-852599/1-A		65380	2.89	508237	3.91	698094	4.97
460-260852-2	BHP-FENCE-COMP-S001	65848	2.90	504601	3.91	678170	4.97

TBAd9 = TBA-d9 (IS)
BUT = 2-Butanone-d5
FB = Fluorobenzene

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 8260D

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Edison Job No.: 460-260852-1

SDG No.:

Sample No.: CCVIS 460-852839/2 Date Analyzed: 06/30/2022 07:53

Instrument ID: CVOAMS11 GC Column: Rtx-624 ID: 0.25(mm)

Lab File ID (Standard): N52185.D Heated Purge: (Y/N) N

Calibration ID: 90241

		DXE		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		39404	5.64	464795	8.35	259021	10.99
UPPER LIMIT		78808	6.14	929590	8.85	518042	11.49
LOWER LIMIT		19702	5.14	232398	7.85	129511	10.49
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-852839/3		43374	5.65	507671	8.36	281742	10.99
LCSD 460-852839/4		45439	5.65	533585	8.36	291513	10.99
MB 460-852839/8		40560	5.65	497595	8.35	263669	10.99
LB 460-852599/1-A		38684	5.65	479094	8.35	256736	10.99
460-260852-2	BHP-FENCE-COMP-S001	32894	5.65	478159	8.36	260113	10.99

DXE = 1,4-Dioxane-d8
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

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 8260D

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-260852-1

SDG No.:

Client Sample ID: BHP-FENCE-COMP-S001 | Lab Sample ID: 460-260852-2

Matrix: Solid (TCLP) | Lab File ID: N52194.D

Analysis Method: 8260D | Date Collected: 06/23/2022 14:00

Sample wt/vol: 5(mL) | Date Analyzed: 06/30/2022 11:20

Soil Aliquot Vol: | Dilution Factor: 10

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 852839 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-35-4	1,1-Dichloroethene	0.0026	U	0.010	0.0026
107-06-2	1,2-Dichloroethane	0.0043	U	0.010	0.0043
78-93-3	2-Butanone (MEK)	0.019	U	0.050	0.019
71-43-2	Benzene	0.0020	U	0.010	0.0020
56-23-5	Carbon tetrachloride	0.0021	U	0.010	0.0021
108-90-7	Chlorobenzene	0.0038	U	0.010	0.0038
67-66-3	Chloroform	0.0033	U	0.010	0.0033
127-18-4	Tetrachloroethene	0.0025	U	0.010	0.0025
79-01-6	Trichloroethene	0.0031	U	0.010	0.0031
75-01-4	Vinyl chloride	0.0017	U	0.010	0.0017

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	113		70-128
460-00-4	4-Bromofluorobenzene	88		76-120
1868-53-7	Dibromofluoromethane (Surr)	101		77-124
2037-26-5	Toluene-d8 (Surr)	93		80-120

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20220630-147260.b\N52194.D
Lims ID: 460-260852-D-2-B
Client ID: BHP-FENCE-COMP-S001
Sample Type: Client
Inject. Date: 30-Jun-2022 11:20:30 ALS Bottle#: 27 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 10.0000
Sample Info: 460-260852-D-2-B
Misc. Info.: 460-0147260-010
Operator ID: Instrument ID: CVOAMS11

Method: \\chromfs\Edison\ChromData\CVOAMS11\20220630-147260.b\8260W_11.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 30-Jun-2022 09:36:59 Calib Date: 19-Apr-2022 18:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS11\20220419-144210.b\N48302.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1635

First Level Reviewer: KG2Q Date: 30-Jun-2022 11:42:04

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 31 TBA-d9 (IS)	66	2.898	2.898	0.000	68	65848	1000.0	
* 43 2-Butanone-d5	46	3.908	3.908	0.000	95	504601	250.0	
$ 56 Dibromofluoromethane (Surr)	113	4.370	4.370	0.000	95	166915	50.7	
$ 62 1,2-Dichloroethane-d4 (Surr)	65	4.705	4.705	0.000	83	208411	56.4	
* 67 Fluorobenzene	96	4.972	4.966	0.006	98	678170	50.0	
* 73 1,4-Dioxane-d8	96	5.648	5.642	0.006	76	32894	1000.0	
$ 84 Toluene-d8 (Surr)	98	6.597	6.597	0.000	98	596727	46.3	
* 95 Chlorobenzene-d5	117	8.355	8.349	0.006	88	478159	50.0	
$ 106 4-Bromofluorobenzene	174	9.827	9.827	0.000	86	164964	44.2	
* 122 1,4-Dichlorobenzene-d4	152	10.989	10.989	0.000	97	260113	50.0	

QC Flag Legend
Processing Flags

Reagents:
8260ISNEW_00171 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00230 Amount Added: 1.00 Units: uL Run Reagent

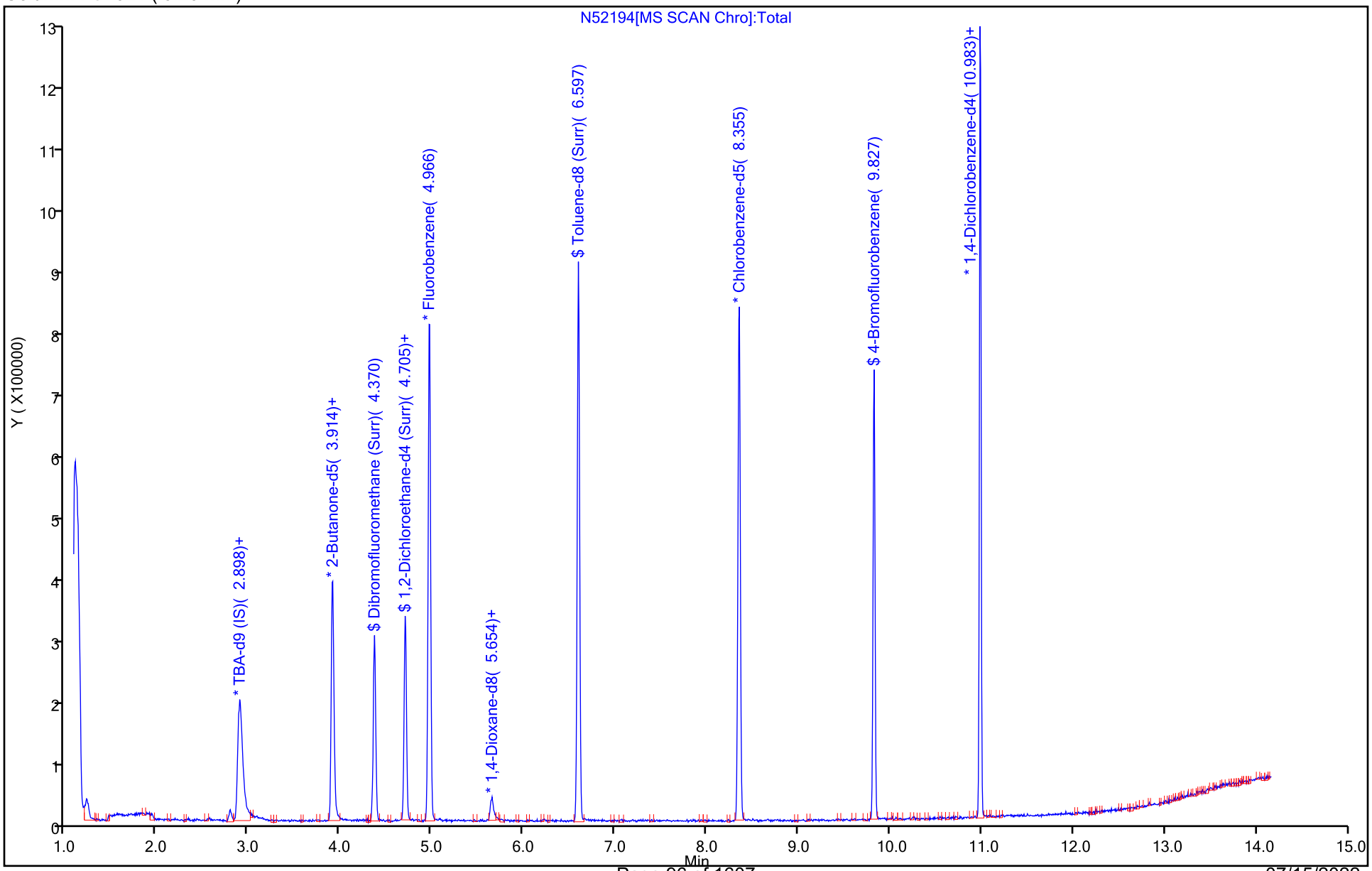
Report Date: 30-Jun-2022 11:42:05 Chrom Revision: 2.3 20-Jun-2022 20:10:40

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20220630-147260.b\N52194.D

Injection Date:	30-Jun-2022 11:20:30	Instrument ID:	CVOAMS11	Operator ID:	
Lims ID:	460-260852-D-2-B	Lab Sample ID:	460-260852-2	Worklist Smp#:	10
Client ID:	BHP-FENCE-COMP-S001				
Purge Vol:	5.000 mL	Dil. Factor:	10.0000	ALS Bottle#:	27
Method:	8260W_11	Limit Group:	VOA - 8260D Water and Solid		

Column: Rtx-624 (0.25 mm)



FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-260852-1 Analy Batch No.: 839936

SDG No.:

Instrument ID: CVOAMS11 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2022 12:16 Calibration End Date: 04/19/2022 18:09 Calibration ID: 90241

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD7 460-839936/3	N48288.D
Level 2	STD1 460-839936/18	N48302.D
Level 3	STD5 460-839936/5	N48290.D
Level 4	STD20 460-839936/6	N48291.D
Level 5	STD50 460-839936/7	N48292.D
Level 6	STD200 460-839936/8	N48293.D
Level 7	STD500 460-839936/9	N48294.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 4	LVL 5		B	M1	M2								
Chlorotrifluoroethene	+++++ 0.1343	0.1377 0.1245	0.1306	0.1397	0.1284	Ave		0.1325				4.4		20.0			
Dichlorodifluoromethane	+++++ 0.4522	0.1648 0.4345	0.2610	0.2955	0.3063	QuaF		0.4387	-0.000007		0.1000				0.9980		0.9900
Chlorodifluoromethane	+++++ 0.3925	0.2861 0.3607	0.3682	0.3383	0.3299	Ave		0.3460				10.6		20.0			
Chloromethane	+++++ 0.9277	0.7392 0.8830	0.7322	0.7379	0.7087	Ave		0.7881			0.1000	11.7		20.0			
Vinyl chloride	+++++ 0.3980	0.3086 0.3662	0.3278	0.3273	0.3330	Ave		0.3435			0.1000	9.5		20.0			
Butadiene	+++++ 0.3205	0.1056 0.2855	0.2401	0.2465	0.2614	Lin2	-0.178	0.2812							0.9930		0.9900
Bromomethane	+++++ 0.2352	0.2369 0.1869	0.2249	0.2127	0.1977	Ave		0.2157			0.1000	9.5		20.0			
Chloroethane	+++++ 0.2059	0.2227 0.1752	0.1884	0.1929	0.1898	Ave		0.1958			0.1000	8.4		20.0			
Dichlorofluoromethane	+++++ 0.5550	0.4556 0.5213	0.4763	0.5136	0.4803	Ave		0.5003				7.2		20.0			
Trichlorofluoromethane	+++++ 0.4082	0.2753 0.3842	0.3425	0.3624	0.3417	Ave		0.3524			0.1000	12.9		20.0			
Pentane	+++++ 8.0980	11.574 +++++	8.3415	9.0067	7.2588	Ave		8.8558				18.6		20.0			
Ethanol	+++++ 0.4416	+++++ 0.2999	0.3511	0.3987	0.3422	Ave		0.3667				14.9		20.0			
Ethyl ether	+++++ 0.1787	0.1882 0.1568	0.1802	0.1828	0.1657	Ave		0.1754				6.7		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-260852-1 Analy Batch No.: 839936

SDG No.:

Instrument ID: CVOAMS11 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2022 12:16 Calibration End Date: 04/19/2022 18:09 Calibration ID: 90241

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 4	LVL 5		B	M1	M2								
2-Methyl-1,3-butadiene	+++++ 0.2259	0.1642 0.1811	0.2375	0.2391	0.2179	Ave		0.2110				14.8		20.0			
1,2-Dichloro-1,1,2-trifluoroethane	+++++ 0.2400	0.2195 0.2205	0.2261	0.2320	0.2077	Ave		0.2243				5.0		20.0			
1,1,1-Trifluoro-2,2-dichloroethane	+++++ 0.3896	0.3336 0.3567	0.3638	0.3469	0.3498	Ave		0.3567				5.3		20.0			
Acrolein	+++++ 6.8221	10.217 +++++	7.4817	7.5405	5.8461	Lin2	15.027	6.5738							0.9920		0.9900
1,1,2-Trichloro-1,2,2-trifluoroethane	+++++ 0.1272	0.1646 0.1180	0.1275	0.1350	0.1646	Ave		0.1395			0.1000	14.5		20.0			
1,1-Dichloroethene	+++++ 0.2532	0.2574 0.2608	0.2582	0.2518	0.2205	Ave		0.2503			0.1000	6.0		20.0			
Acetone	+++++ 0.3057	0.4549 0.2717	0.3131	0.2620	0.2376	Lin2	0.9387	0.2675			0.0500				0.9910		0.9900
Iodomethane	+++++ 0.4938	0.4770 0.4467	0.4674	0.4628	0.4306	Ave		0.4631				4.8		20.0			
Isopropyl alcohol	+++++ 4.4345	3.4400 3.2170	4.0193	4.9249	4.3222	Ave		4.0596				15.8		20.0			
Carbon disulfide	+++++ 0.9555	0.9968 0.8891	0.9589	0.9606	0.8692	Ave		0.9384			0.1000	5.2		20.0			
3-Chloro-1-propene	+++++ 0.3268	0.2755 0.2958	0.2042	0.2382	0.2976	Ave		0.2730				16.3		20.0			
Methyl acetate	+++++ 12.528	16.671 +++++	12.661	13.410	12.127	Ave		13.480			0.1000	13.7		20.0			
Cyclopentene	+++++ 0.7067	0.7089 0.6075	0.7713	0.7335	0.6713	Ave		0.6999				8.0		20.0			
Acetonitrile	+++++ 10.193	8.7140 7.0002	9.9119	10.826	10.038	Ave		9.4472				14.6		20.0			
Methylene Chloride	+++++ 0.3403	0.3549 0.3068	0.3400	0.3232	0.3095	Ave		0.3291			0.1000	5.8		20.0			
2-Methyl-2-propanol	+++++ 8.2719	7.5496 5.7129	7.1660	8.8009	7.9094	Ave		7.5685				14.2		20.0			
Methyl tert-butyl ether	+++++ 0.7798	0.8525 0.7066	0.8356	0.7931	0.7351	Ave		0.7838			0.1000	7.2		20.0			
trans-1,2-Dichloroethene	+++++ 0.3087	0.2987 0.2740	0.3281	0.3205	0.2853	Ave		0.3026			0.1000	6.8		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-260852-1 Analy Batch No.: 839936

SDG No.:

Instrument ID: CVOAMS11 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2022 12:16 Calibration End Date: 04/19/2022 18:09 Calibration ID: 90241

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 4	LVL 5		B	M1	M2								
Acrylonitrile	36.159 29.192	29.186 +++++	26.797	30.054	27.702	Ave		29.848				11.1		20.0			
Hexane	+++++ 0.1473	0.2030 0.1269	0.1673	0.1409	0.1367	Ave		0.1537				18.0		20.0			
Isopropyl ether	+++++ 0.9613	1.0170 0.8285	1.0279	0.9809	0.9257	Ave		0.9569				7.6		20.0			
1,1-Dichloroethane	+++++ 0.5527	0.5693 0.4941	0.5881	0.5774	0.5217	Ave		0.5506			0.2000	6.6		20.0			
Vinyl acetate	+++++ 0.3689	0.5180 0.3925	0.4427	0.3648	0.3435	Ave		0.4051				16.0		20.0			
2-Chloro-1,3-butadiene	+++++ 0.2737	0.2572 0.2468	0.2716	0.2851	0.2585	Ave		0.2655				5.2		20.0			
Tert-butyl ethyl ether	+++++ 0.8257	0.8990 0.7124	0.9151	0.8903	0.8100	Ave		0.8421				9.0		20.0			
2,2-Dichloropropane	+++++ 0.0960	0.0660 0.0829	0.1203	0.1045	0.0955	Ave		0.0942				19.7		20.0			
cis-1,2-Dichloroethene	+++++ 0.3375	0.4200 0.3068	0.3413	0.3490	0.3155	Ave		0.3450			0.1000	11.6		20.0			
2-Butanone (MEK)	+++++ 0.3254	0.3718 0.2991	0.3082	0.3071	0.2881	Ave		0.3166			0.0500	9.4		20.0			
Ethyl acetate	+++++ 0.2844	0.2940 0.2579	0.3245	0.3137	0.2670	Ave		0.2903				8.9		20.0			
Methyl acrylate	+++++ 0.2719	0.2335 0.2438	0.2914	0.2742	0.2586	Ave		0.2622				8.1		20.0			
Propionitrile	+++++ 11.120	9.3744 7.5346	10.279	11.285	10.498	Ave		10.015				13.9		20.0			
Tetrahydrofuran	+++++ 0.3643	0.4135 0.3179	0.3689	0.3598	0.3361	Ave		0.3601				9.0		20.0			
Chlorobromomethane	+++++ 0.1647	0.1803 0.1498	0.1781	0.1655	0.1540	Ave		0.1654				7.4		20.0			
Methacrylonitrile	+++++ 0.1373	0.1353 0.1208	0.1418	0.1399	0.1321	Ave		0.1345				5.6		20.0			
Chloroform	+++++ 0.5169	0.5246 0.4669	0.5421	0.5270	0.4899	Ave		0.5112			0.2000	5.4		20.0			
Cyclohexane	+++++ 0.3225	0.3366 0.2783	0.3831	0.3507	0.3147	Ave		0.3310			0.1000	10.7		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-260852-1 Analy Batch No.: 839936

SDG No.:

Instrument ID: CVOAMS11 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2022 12:16 Calibration End Date: 04/19/2022 18:09 Calibration ID: 90241

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 4	LVL 5		B	M1	M2								
1,1,1-Trichloroethane	+++++ 0.3829	0.3814 0.3336	0.3970	0.3905	0.3637	Ave		0.3748			0.1000	6.2		20.0			
Carbon tetrachloride	+++++ 0.3381	0.3097 0.3038	0.3302	0.3317	0.3136	Ave		0.3212			0.1000	4.3		20.0			
1,1-Dichloropropene	+++++ 0.4130	0.3788 0.3765	0.3987	0.4134	0.3814	Ave		0.3936				4.3		20.0			
Isobutyl alcohol	+++++ 3.7898	3.8096 2.5450	3.5284	3.8879	3.5455	Ave		3.5177				14.2		20.0			
Isooctane	+++++ 0.2967	0.4944 0.2357	0.4468	0.4105	0.3184	QuaF		0.3381	-0.000205						1.0000		0.9900
Benzene	+++++ 1.7189	1.8416 1.5229	1.7542	1.7300	1.6152	Ave		1.6971			0.5000	6.6		20.0			
Isopropyl acetate	+++++ 0.7995	0.7968 0.7042	0.8371	0.8285	0.7946	Ave		0.7934				6.0		20.0			
Tert-amyl methyl ether	+++++ 0.8261	0.8985 0.7237	0.9488	0.9114	0.8468	Ave		0.8592				9.3		20.0			
1,2-Dichloroethane	+++++ 0.3712	0.4255 0.3360	0.3835	0.3709	0.3442	Ave		0.3719			0.1000	8.6		20.0			
n-Heptane	+++++ 0.1224	0.1303 0.1059	0.1111	0.1111	0.1055	Ave		0.1144				8.7		20.0			
n-Butanol	+++++ 2.2249	1.5214 1.5297	1.7163	2.1171	2.1122	Ave		1.8703				17.0		20.0			
Trichloroethene	+++++ 0.3167	0.3183 0.2847	0.3144	0.3079	0.2948	Ave		0.3061			0.2000	4.4		20.0			
Ethyl acrylate	+++++ 0.0415	0.0454 0.0366	0.0450	0.0419	0.0394	Ave		0.0416				8.0		20.0			
Methylcyclohexane	+++++ 0.3411	0.4759 0.2765	0.3821	0.3669	0.3336	Ave		0.3627			0.1000	18.3		20.0			
1,2-Dichloropropane	+++++ 0.3183	0.3015 0.2872	0.3196	0.3053	0.2977	Ave		0.3049			0.1000	4.1		20.0			
Methyl methacrylate	+++++ 0.0849	0.0848 0.0768	0.0845	0.0851	0.0790	Ave		0.0825				4.4		20.0			
1,4-Dioxane	+++++ 1.1624	1.4242 1.3577	1.6055	1.4145	1.2468	Ave		1.3685				11.3		20.0			
Dibromomethane	+++++ 0.1919	0.2068 0.1747	0.1874	0.1873	0.1807	Ave		0.1881				5.8		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-260852-1 Analy Batch No.: 839936

SDG No.:

Instrument ID: CVOAMS11 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2022 12:16 Calibration End Date: 04/19/2022 18:09 Calibration ID: 90241

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 4	LVL 5		B	M1	M2								
n-Propyl acetate	+++++ 0.4330	0.5096 0.3942	0.4537	0.4596	0.4316	Ave		0.4469				8.6		20.0			
Dichlorobromomethane	+++++ 0.3995	0.3800 0.3691	0.3668	0.3813	0.3599	Ave		0.3761			0.2000	3.7		20.0			
2-Nitropropane	+++++ 18.200	30.500 12.642	19.375	18.682	16.974	Qua2	24.721	17.955	-0.004604						0.9950		0.9900
2-Chloroethyl vinyl ether	+++++ 0.1760	0.1768 0.1582	0.1674	0.1760	0.1545	Ave		0.1682				5.8		20.0			
Epichlorohydrin	0.4083 0.2645	0.2391 0.2429	0.2528	0.2512	0.2405	Lin2	0.7807	0.2419							0.9920		0.9900
cis-1,3-Dichloropropene	+++++ 0.6829	0.7882 0.6150	0.6883	0.6911	0.6325	Ave		0.6830			0.2000	8.9		20.0			
4-Methyl-2-pentanone (MIBK)	+++++ 2.4767	2.5382 2.2193	2.5035	2.5032	2.3639	Ave		2.4342			0.0500	5.0		20.0			
Toluene	+++++ 1.7255	1.9070 1.5500	1.7321	1.7387	1.6110	Ave		1.7107			0.4000	7.2		20.0			
trans-1,3-Dichloropropene	+++++ 0.6172	0.6526 0.5521	0.6064	0.6128	0.5741	Ave		0.6025			0.1000	5.8		20.0			
Ethyl methacrylate	+++++ 0.4103	0.3547 0.3736	0.3974	0.4054	0.3874	Ave		0.3881				5.4		20.0			
1,1,2-Trichloroethane	+++++ 0.3224	0.4235 0.2869	0.3153	0.3222	0.2993	Ave		0.3283			0.1000	14.8		20.0			
Tetrachloroethene	+++++ 0.3735	0.3785 0.3323	0.3729	0.3609	0.3407	Ave		0.3598			0.2000	5.3		20.0			
1,3-Dichloropropane	+++++ 0.6290	0.6601 0.5616	0.6079	0.6152	0.5877	Ave		0.6102				5.6		20.0			
2-Hexanone	+++++ 0.9873	0.9180 0.8880	0.9521	0.9902	0.8989	Ave		0.9391			0.0500	4.7		20.0			
n-Butyl acetate	+++++ 0.6281	0.7620 0.5420	0.6943	0.6625	0.6282	Ave		0.6528				11.3		20.0			
Chlorodibromomethane	+++++ 0.3878	0.3726 0.3549	0.3592	0.3719	0.3555	Ave		0.3670			0.1000	3.5		20.0			
Ethylene Dibromide	+++++ 0.3828	0.4435 0.3446	0.3747	0.3798	0.3556	Ave		0.3802			0.1000	9.0		20.0			
Chlorobenzene	+++++ 1.0531	1.0650 0.9474	1.0188	1.0447	0.9793	Ave		1.0181			0.5000	4.5		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-260852-1 Analy Batch No.: 839936

SDG No.:

Instrument ID: CVOAMS11 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2022 12:16 Calibration End Date: 04/19/2022 18:09 Calibration ID: 90241

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 4	LVL 5		B	M1	M2								
Ethylbenzene	+++++ 0.5707	0.5913 0.5169	0.5717	0.5645	0.5388	Ave		0.5590			0.1000	4.8		20.0			
1,1,1,2-Tetrachloroethane	+++++ 0.3998	0.3868 0.3657	0.3871	0.4006	0.3692	Ave		0.3849				3.8		20.0			
m-Xylene & p-Xylene	+++++ 0.6999	0.6964 0.6290	0.7148	0.6957	0.6574	Ave		0.6822			0.1000	4.7		20.0			
n-Butyl acrylate	+++++ 0.3339	0.4342 0.2917	0.3512	0.3539	0.3272	Ave		0.3487				13.6		20.0			
o-Xylene	+++++ 0.7251	0.7357 0.6397	0.6920	0.7190	0.6736	Ave		0.6975			0.3000	5.2		20.0			
Styrene	+++++ 1.1926	1.2641 1.0682	1.1894	1.2168	1.1196	Ave		1.1751			0.3000	6.0		20.0			
Bromoform	+++++ 0.5115	0.4191 0.4703	0.4487	0.4582	0.4480	Ave		0.4593			0.1000	6.7		20.0			
Amyl acetate (mixed isomers)	+++++ 1.4047	1.8345 1.2305	1.4129	1.4529	1.3336	Ave		1.4448				14.3		20.0			
Isopropylbenzene	+++++ 1.7208	1.8491 1.5283	1.6955	1.6952	1.5996	Ave		1.6814			0.1000	6.5		20.0			
Bromobenzene	+++++ 0.8446	0.7476 0.7671	0.7977	0.7921	0.7511	Ave		0.7833				4.6		20.0			
1,1,2,2-Tetrachloroethane	+++++ 0.9674	1.0063 0.8896	0.8950	0.9245	0.8916	Ave		0.9291			0.3000	5.2		20.0			
N-Propylbenzene	+++++ 3.6856	3.9623 3.2798	3.4615	3.4932	3.3019	Ave		3.5307				7.3		20.0			
1,2,3-Trichloropropane	+++++ 0.2730	0.3288 0.2446	0.2615	0.2729	0.2554	Ave		0.2727				10.8		20.0			
trans-1,4-Dichloro-2-butene	+++++ 0.2566	0.3103 0.2325	0.2338	0.2325	0.2386	Ave		0.2507				12.2		20.0			
2-Chlorotoluene	+++++ 2.6975	2.6851 2.4297	2.4635	2.5524	2.4278	Ave		2.5427				4.9		20.0			
4-Ethyltoluene	+++++ 3.0210	3.0069 2.6613	2.8164	2.8890	2.7107	Ave		2.8509				5.2		20.0			
1,3,5-Trimethylbenzene	+++++ 2.6939	2.5978 2.4256	2.4302	2.4958	2.3756	Ave		2.5032				4.8		20.0			
4-Chlorotoluene	+++++ 2.4597	2.7417 2.2558	2.3673	2.3682	2.2302	Ave		2.4038				7.7		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-260852-1 Analy Batch No.: 839936

SDG No.:

Instrument ID: CVOAMS11 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2022 12:16 Calibration End Date: 04/19/2022 18:09 Calibration ID: 90241

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 4	LVL 5		B	M1	M2								
Butyl Methacrylate	+++++ 1.1255	0.9254 1.0117	0.9340	1.0392	1.0130	Ave		1.0081				7.3		20.0			
tert-Butylbenzene	+++++ 2.0303	1.9105 1.8492	1.7388	1.8462	1.7767	Ave		1.8586				5.6		20.0			
1,2,4-Trimethylbenzene	+++++ 2.7956	2.6766 2.5044	2.5872	2.6233	2.4703	Ave		2.6096				4.5		20.0			
sec-Butylbenzene	+++++ 2.8557	2.8623 2.5549	2.6000	2.6262	2.5327	Ave		2.6720				5.6		20.0			
1,3-Dichlorobenzene	+++++ 1.4639	1.3897 1.3453	1.3665	1.4156	1.3427	Ave		1.3873			0.6000	3.4		20.0			
4-Isopropyltoluene	+++++ 2.4511	2.4548 2.2103	2.2613	2.2506	2.1464	Ave		2.2957				5.6		20.0			
1,4-Dichlorobenzene	+++++ 1.5071	1.5651 1.3685	1.4304	1.4562	1.3526	Ave		1.4467			0.5000	5.6		20.0			
1,2,3-Trimethylbenzene	+++++ 3.0630	3.1690 2.7309	2.7746	2.9179	2.7734	Ave		2.9048				6.1		20.0			
Benzyl chloride	+++++ 0.3532	0.4806 0.3100	0.3416	0.3656	0.3332	Ave		0.3640				16.5		20.0			
Indan	+++++ 2.9483	3.0520 2.6103	2.7972	2.8613	2.7020	Ave		2.8285				5.7		20.0			
p-Diethylbenzene	+++++ 1.1916	1.4390 1.0499	1.1551	1.1540	1.0754	Ave		1.1775				11.8		20.0			
n-Butylbenzene	+++++ 1.1396	1.3918 0.9999	1.1081	1.1158	1.0206	Ave		1.1293				12.4		20.0			
1,2-Dichlorobenzene	+++++ 1.5011	1.5300 1.3541	1.3903	1.4234	1.3570	Ave		1.4260			0.4000	5.2		20.0			
1,2,4,5-Tetramethylbenzene	+++++ 2.3745	2.9305 2.1114	2.2120	2.2058	2.1166	Ave		2.3251				13.4		20.0			
1,2-Dibromo-3-Chloropropane	+++++ 0.2157	0.2291 0.1948	0.2152	0.2143	0.2005	Ave		0.2116			0.0500	5.8		20.0			
1,3,5-Trichlorobenzene	+++++ 0.8639	0.9169 0.7592	0.8272	0.8278	0.7926	Ave		0.8313				6.6		20.0			
1,2,4-Trichlorobenzene	+++++ 0.8247	1.0745 0.7297	0.7359	0.7837	0.7408	Ave		0.8149			0.2000	16.2		20.0			
Hexachlorobutadiene	+++++ 0.2687	0.3254 0.2439	0.2370	0.2503	0.2328	Ave		0.2597				13.3		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-260852-1 Analy Batch No.: 839936

SDG No.:

Instrument ID: CVOAMS11 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2022 12:16 Calibration End Date: 04/19/2022 18:09 Calibration ID: 90241

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 4	LVL 5		B	M1	M2								
Naphthalene	+++++ 2.4257	3.3975 2.1976	2.2295	2.2717	2.2292	Ave		2.4585				19.0		20.0			
1,2,3-Trichlorobenzene	+++++ 0.6141	0.9139 0.5693	0.6154	0.5818	0.5613	Lin2	0.3383	0.5706							0.9980		0.9900
Dibromofluoromethane (Surr)	0.2568 0.2468	0.2313 0.2353	0.2503	0.2472	0.2324	Ave		0.2429				4.1		20.0			
1,2-Dichloroethane-d4 (Surr)	0.2778 0.2837	0.2622 0.2720	0.2766	0.2727	0.2605	Ave		0.2722				3.1		20.0			
Toluene-d8 (Surr)	1.4132 1.3549	1.4118 1.2577	1.3671	1.3617	1.2760	Ave		1.3489				4.5		20.0			
4-Bromofluorobenzene	0.4180 0.4093	0.3508 0.3714	0.3936	0.4076	0.3807	Ave		0.3902				6.1		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison Job No.: 460-260852-1 Analy Batch No.: 839936

SDG No.:

Instrument ID: CVOAMS11 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2022 12:16 Calibration End Date: 04/19/2022 18:09 Calibration ID: 90241

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD7 460-839936/3	N48288.D
Level 2	STD1 460-839936/18	N48302.D
Level 3	STD5 460-839936/5	N48290.D
Level 4	STD20 460-839936/6	N48291.D
Level 5	STD50 460-839936/7	N48292.D
Level 6	STD200 460-839936/8	N48293.D
Level 7	STD500 460-839936/9	N48294.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Chlorotrifluoroethene	FB	Ave	+++++ 271739	1389 677896	6427	27626	67693	+++++ 200	1.00 500	5.00	20.0	50.0
Dichlorodifluoromethane	FB	QuaF	+++++ 914976	1662 2366394	12845	58434	161464	+++++ 200	1.00 500	5.00	20.0	50.0
Chlorodifluoromethane	FB	Ave	+++++ 794107	2886 1964417	18124	66902	173930	+++++ 200	1.00 500	5.00	20.0	50.0
Chloromethane	BUT	Ave	+++++ 237109	934 597357	4542	18500	47423	+++++ 200	1.00 500	5.00	20.0	50.0
Vinyl chloride	FB	Ave	+++++ 805185	3113 1994516	16131	64721	175539	+++++ 200	1.00 500	5.00	20.0	50.0
Butadiene	FB	Lin2	+++++ 648542	1065 1554874	11817	48750	137771	+++++ 200	1.00 500	5.00	20.0	50.0
Bromomethane	FB	Ave	+++++ 475897	2390 1017871	11068	42066	104218	+++++ 200	1.00 500	5.00	20.0	50.0
Chloroethane	FB	Ave	+++++ 416495	2246 954270	9271	38144	100071	+++++ 200	1.00 500	5.00	20.0	50.0
Dichlorofluoromethane	FB	Ave	+++++ 1122872	4596 2838987	23443	101558	253166	+++++ 200	1.00 500	5.00	20.0	50.0
Trichlorofluoromethane	FB	Ave	+++++ 825831	2777 2092653	16859	71669	180119	+++++ 200	1.00 500	5.00	20.0	50.0
Pentane	TBAd 9	Ave	+++++ 144672	1006 +++++	3988	15595	33953	+++++ 400	2.00 +++++	10.0	40.0	100
Ethanol	TBAd 9	Ave	+++++ 157771	+++++ 376210	3357	13806	32011	+++++ 8000	+++++ 20000	200	800	2000
Ethyl ether	FB	Ave	+++++	1898	8868	36151	87356	+++++	1.00	5.00	20.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison Job No.: 460-260852-1 Analy Batch No.: 839936

SDG No.:

Instrument ID: CVOAMS11 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2022 12:16 Calibration End Date: 04/19/2022 18:09 Calibration ID: 90241

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
			361487	854155				200	500			
2-Methyl-1,3-butadiene	FB	Ave	+++++ 457072	1656 986611	11690	47284	114870	+++++ 200	1.00 500	5.00	20.0	50.0
1,2-Dichloro-1,1,2-trifluoroethane	FB	Ave	+++++ 485517	2214 1200796	11130	45882	109489	+++++ 200	1.00 500	5.00	20.0	50.0
1,1,1-Trifluoro-2,2-dichloroethane	FB	Ave	+++++ 788205	3365 1942876	17906	68596	184404	+++++ 200	1.00 500	5.00	20.0	50.0
Acrolein	TBAd9	Lin2	+++++ 61792	1801 +++++	7254	13239	27728	+++++ 203	4.06 +++++	20.3	40.6	101
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	+++++ 257427	1660 642570	6276	26694	86770	+++++ 200	1.00 500	5.00	20.0	50.0
1,1-Dichloroethene	FB	Ave	+++++ 512362	2596 1420233	12707	49785	116256	+++++ 200	1.00 500	5.00	20.0	50.0
Acetone	BUT	Lin2	+++++ 390640	2874 918909	9710	32845	79505	+++++ 1000	5.00 2500	25.0	100	250
Iodomethane	FB	Ave	+++++ 999152	4812 2432709	23004	91521	227008	+++++ 200	1.00 500	5.00	20.0	50.0
Isopropyl alcohol	TBAd9	Ave	+++++ 396114	1495 1008760	9608	42637	101085	+++++ 2000	10.0 5000	50.0	200	500
Carbon disulfide	FB	Ave	+++++ 1933285	10055 4842524	47193	189955	458193	+++++ 200	1.00 500	5.00	20.0	50.0
3-Chloro-1-propene	FB	Ave	+++++ 661181	2779 1611253	10052	47111	156887	+++++ 200	1.00 500	5.00	20.0	50.0
Methyl acetate	TBAd9	Ave	+++++ 223824	1449 +++++	6053	23220	56725	+++++ 400	2.00 +++++	10.0	40.0	100
Cyclopentene	FB	Ave	+++++ 1429785	7151 3308797	37959	145038	353867	+++++ 200	1.00 500	5.00	20.0	50.0
Acetonitrile	TBAd9	Ave	+++++ 910471	3787 2195089	23694	93725	234773	+++++ 2000	10.0 5000	50.0	200	500

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison Job No.: 460-260852-1 Analy Batch No.: 839936

SDG No.:

Instrument ID: CVOAMS11 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2022 12:16 Calibration End Date: 04/19/2022 18:09 Calibration ID: 90241

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Methylene Chloride	FB	Ave	+++++ 688454	3580 1670772	16736	63908	163139	+++++ 200	1.00 500	5.00	20.0	50.0
2-Methyl-2-propanol	TBAd9	Ave	+++++ 738895	3281 1791432	17130	76193	184981	+++++ 2000	10.0 5000	50.0	200	500
Methyl tert-butyl ether	FB	Ave	+++++ 1577804	8599 3848385	41126	156835	387491	+++++ 200	1.00 500	5.00	20.0	50.0
trans-1,2-Dichloroethene	FB	Ave	+++++ 624498	3013 1492254	16150	63385	150413	+++++ 200	1.00 500	5.00	20.0	50.0
Acrylonitrile	TBAd9	Ave	2698 2607588	12684 +++++	64056	260192	647881	2.00 2000	10.0 +++++	50.0	200	500
Hexane	FB	Ave	+++++ 298073	2048 690920	8233	27859	72077	+++++ 200	1.00 500	5.00	20.0	50.0
Isopropyl ether	FB	Ave	+++++ 1944933	10259 4512107	50590	193956	487964	+++++ 200	1.00 500	5.00	20.0	50.0
1,1-Dichloroethane	FB	Ave	+++++ 1118214	5743 2691011	28944	114176	275025	+++++ 200	1.00 500	5.00	20.0	50.0
Vinyl acetate	BUT	Ave	+++++ 188570	1309 530984	5492	18295	45971	+++++ 400	2.00 1000	10.0	40.0	100
2-Chloro-1,3-butadiene	FB	Ave	+++++ 553771	2594 1344045	13366	56380	136291	+++++ 200	1.00 500	5.00	20.0	50.0
Tert-butyl ethyl ether	FB	Ave	+++++ 1670566	9068 3880162	45040	176050	426988	+++++ 200	1.00 500	5.00	20.0	50.0
2,2-Dichloropropane	FB	Ave	+++++ 194258	666 451492	5922	20672	50317	+++++ 200	1.00 500	5.00	20.0	50.0
cis-1,2-Dichloroethene	FB	Ave	+++++ 682898	4237 1670682	16800	69019	166333	+++++ 200	1.00 500	5.00	20.0	50.0
2-Butanone (MEK)	BUT	Ave	+++++ 415841	2349 1011757	9558	38504	96405	+++++ 1000	5.00 2500	25.0	100	250
Ethyl acetate	BUT	Ave	+++++ 145381	743 348966	4026	15732	35741	+++++ 400	2.00 1000	10.0	40.0	100
Methyl acrylate	FB	Ave	+++++ 550137	2355 1328068	14343	54224	136316	+++++ 200	1.00 500	5.00	20.0	50.0
Propionitrile	TBAd9	Ave	+++++	4074	24572	97695	245533	+++++	10.0	50.0	200	500

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison Job No.: 460-260852-1 Analy Batch No.: 839936

SDG No.:

Instrument ID: CVOAMS11 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2022 12:16 Calibration End Date: 04/19/2022 18:09 Calibration ID: 90241

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
			993328	2362664				2000	5000			
Tetrahydrofuran	BUT	Ave	+++++ 186242	1045 430074	4577	18042	44983	+++++ 400	2.00 1000	10.0	40.0	100
Chlorobromomethane	FB	Ave	+++++ 333228	1819 815949	8764	32732	81167	+++++ 200	1.00 500	5.00	20.0	50.0
Methacrylonitrile	FB	Ave	+++++ 2777474	13643 6578302	69770	276692	696291	+++++ 2000	10.0 5000	50.0	200	500
Chloroform	FB	Ave	+++++ 1045835	5292 2543109	26679	104217	258225	+++++ 200	1.00 500	5.00	20.0	50.0
Cyclohexane	FB	Ave	+++++ 652517	3395 1515989	18853	69341	165881	+++++ 200	1.00 500	5.00	20.0	50.0
1,1,1-Trichloroethane	FB	Ave	+++++ 774753	3847 1816654	19541	77222	191695	+++++ 200	1.00 500	5.00	20.0	50.0
Carbon tetrachloride	FB	Ave	+++++ 684167	3124 1654469	16252	65592	165298	+++++ 200	1.00 500	5.00	20.0	50.0
1,1-Dichloropropene	FB	Ave	+++++ 835561	3821 2050784	19623	81752	201027	+++++ 200	1.00 500	5.00	20.0	50.0
Isobutyl alcohol	TBAd9	Ave	+++++ 846322	4139 1995084	21086	84147	207303	+++++ 5000	25.0 12500	125	500	1250
Isooctane	FB	QuaF	+++++ 600273	4987 1283606	21992	81180	167839	+++++ 200	1.00 500	5.00	20.0	50.0
Benzene	CBNZd5	Ave	+++++ 2526354	11535 6189160	61007	242464	609092	+++++ 200	1.00 500	5.00	20.0	50.0
Isopropyl acetate	FB	Ave	+++++ 1617685	8038 3835119	41198	163821	418871	+++++ 200	1.00 500	5.00	20.0	50.0
Tert-amyl methyl ether	FB	Ave	+++++ 1671331	9063 3941572	46698	180216	446383	+++++ 200	1.00 500	5.00	20.0	50.0
1,2-Dichloroethane	FB	Ave	+++++ 751042	4292 1830149	18876	73341	181458	+++++ 200	1.00 500	5.00	20.0	50.0
n-Heptane	FB	Ave	+++++ 247680	1314 576658	5467	21978	55593	+++++ 200	1.00 500	5.00	20.0	50.0
n-Butanol	TBAd9	Ave	+++++ 496852	1653 1199177	10257	45822	123496	+++++ 5000	25.0 12500	125	500	1250

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison Job No.: 460-260852-1 Analy Batch No.: 839936

SDG No.:

Instrument ID: CVOAMS11 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2022 12:16 Calibration End Date: 04/19/2022 18:09 Calibration ID: 90241

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Trichloroethene	FB	Ave	+++++ 640678	3211 1550344	15475	60887	155385	+++++ 200	1.00 500	5.00	20.0	50.0
Ethyl acrylate	FB	Ave	+++++ 83941	458 199496	2214	8285	20750	+++++ 200	1.00 500	5.00	20.0	50.0
Methylcyclohexane	FB	Ave	+++++ 690061	4801 1505977	18806	72544	175844	+++++ 200	1.00 500	5.00	20.0	50.0
1,2-Dichloropropane	FB	Ave	+++++ 644041	3041 1564262	15730	60364	156909	+++++ 200	1.00 500	5.00	20.0	50.0
Methyl methacrylate	FB	Ave	+++++ 343500	1710 836383	8322	33665	83312	+++++ 400	2.00 1000	10.0	40.0	100
1,4-Dioxane	DXE	Ave	+++++ 159786	2061 381675	4825	15926	41218	+++++ 4000	50.0 10000	100	400	1000
Dibromomethane	FB	Ave	+++++ 388363	2086 951635	9225	37033	95247	+++++ 200	1.00 500	5.00	20.0	50.0
n-Propyl acetate	FB	Ave	+++++ 876174	5140 2146892	22328	90876	227508	+++++ 200	1.00 500	5.00	20.0	50.0
Dichlorobromomethane	FB	Ave	+++++ 808318	3833 2010194	18051	75391	189699	+++++ 200	1.00 500	5.00	20.0	50.0
2-Nitropropane	TBAd9	Qua2	+++++ 325146	2651 792821	9263	32347	79394	+++++ 400	2.00 1000	10.0	40.0	100
2-Chloroethyl vinyl ether	FB	Ave	+++++ 356934	1788 863951	8259	34878	81646	+++++ 200	1.00 501	5.01	20.0	50.1
Epichlorohydrin	BUT	Lin2	2309 1352221	6043 3286881	31368	125944	321937	5.00 4000	20.0 10000	100	400	1000
cis-1,3-Dichloropropene	CBNZ d5	Ave	+++++ 1003719	4937 2499451	23937	96859	238498	+++++ 200	1.00 500	5.00	20.0	50.0
4-Methyl-2-pentanone (MIBK)	BUT	Ave	+++++ 3165075	16036 7506746	77649	313814	790975	+++++ 1000	5.00 2500	25.0	100	250
Toluene	CBNZ d5	Ave	+++++ 2536172	11945 6299058	60236	243687	607505	+++++ 200	1.00 500	5.00	20.0	50.0
trans-1,3-Dichloropropene	CBNZ d5	Ave	+++++ 907160	4088 2243836	21089	85884	216478	+++++ 200	1.00 500	5.00	20.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison Job No.: 460-260852-1 Analy Batch No.: 839936

SDG No.:

Instrument ID: CVOAMS11 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2022 12:16 Calibration End Date: 04/19/2022 18:09 Calibration ID: 90241

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Ethyl methacrylate	FB	Ave	+++++ 830064	3578 2034586	19560	80155	204204	+++++ 200	1.00 500	5.00	20.0	50.0
1,1,2-Trichloroethane	CBNZ d5	Ave	+++++ 473921	2653 1166109	10964	45153	112857	+++++ 200	1.00 500	5.00	20.0	50.0
Tetrachloroethene	CBNZ d5	Ave	+++++ 548899	2371 1350444	12967	50587	128468	+++++ 200	1.00 500	5.00	20.0	50.0
1,3-Dichloropropane	CBNZ d5	Ave	+++++ 924436	4135 2282363	21140	86216	221634	+++++ 200	1.00 500	5.00	20.0	50.0
2-Hexanone	BUT	Ave	+++++ 1261742	5800 3003765	29529	124133	300756	+++++ 1000	5.00 2500	25.0	100	250
n-Butyl acetate	CBNZ d5	Ave	+++++ 923113	4773 2202713	24147	92845	236895	+++++ 200	1.00 500	5.00	20.0	50.0
Chlorodibromomethane	CBNZ d5	Ave	+++++ 569929	2334 1442364	12493	52124	134048	+++++ 200	1.00 500	5.00	20.0	50.0
Ethylene Dibromide	CBNZ d5	Ave	+++++ 562679	2778 1400579	13032	53227	134095	+++++ 200	1.00 500	5.00	20.0	50.0
Chlorobenzene	CBNZ d5	Ave	+++++ 1547809	6671 3850388	35431	146419	369286	+++++ 200	1.00 500	5.00	20.0	50.0
Ethylbenzene	CBNZ d5	Ave	+++++ 838869	3704 2100514	19883	79115	203164	+++++ 200	1.00 500	5.00	20.0	50.0
1,1,1,2-Tetrachloroethane	CBNZ d5	Ave	+++++ 587614	2423 1486172	13461	56149	139225	+++++ 200	1.00 500	5.00	20.0	50.0
m-Xylene & p-Xylene	CBNZ d5	Ave	+++++ 1028639	4362 2556425	24859	97511	247890	+++++ 200	1.00 500	5.00	20.0	50.0
n-Butyl acrylate	CBNZ d5	Ave	+++++	2720	12213	49600	123400	+++++	1.00	5.00	20.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison Job No.: 460-260852-1 Analy Batch No.: 839936

SDG No.:

Instrument ID: CVOAMS11 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2022 12:16 Calibration End Date: 04/19/2022 18:09 Calibration ID: 90241

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
			490812	1185398				200	500			
o-Xylene	CBNZ d5	Ave	+++++ 1065712	4608 2599776	24066	100771	253994	+++++ 200	1.00 500	5.00	20.0	50.0
Styrene	CBNZ d5	Ave	+++++ 1752847	7918 4341333	41363	170537	422176	+++++ 200	1.00 500	5.00	20.0	50.0
Bromoform	DCBd 4	Ave	+++++ 385744	1383 973957	8622	34931	90474	+++++ 200	1.00 500	5.00	20.0	50.0
Amyl acetate (mixed isomers)	DCBd 4	Ave	+++++ 1059373	6054 2548264	27148	110763	269317	+++++ 200	1.00 500	5.00	20.0	50.0
Isopropylbenzene	CBNZ d5	Ave	+++++ 2529136	11582 6211007	58966	237586	603194	+++++ 200	1.00 500	5.00	20.0	50.0
Bromobenzene	DCBd 4	Ave	+++++ 636963	2467 1588499	15327	60388	151685	+++++ 200	1.00 500	5.00	20.0	50.0
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	+++++ 729563	3321 1842351	17197	70485	180046	+++++ 200	1.00 500	5.00	20.0	50.0
N-Propylbenzene	DCBd 4	Ave	+++++ 2779616	13076 6792047	66512	266308	666804	+++++ 200	1.00 500	5.00	20.0	50.0
1,2,3-Trichloropropane	DCBd 4	Ave	+++++ 205923	1085 506524	5024	20805	51575	+++++ 200	1.00 500	5.00	20.0	50.0
trans-1,4-Dichloro-2-butene	DCBd 4	Ave	+++++ 193549	1024 481563	4493	17723	48189	+++++ 200	1.00 500	5.00	20.0	50.0
2-Chlorotoluene	DCBd 4	Ave	+++++ 2034386	8861 5031703	47336	194585	490279	+++++ 200	1.00 500	5.00	20.0	50.0
4-Ethyltoluene	DCBd 4	Ave	+++++	9923	54117	220252	547403	+++++	1.00	5.00	20.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison Job No.: 460-260852-1 Analy Batch No.: 839936

SDG No.:

Instrument ID: CVOAMS11 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2022 12:16 Calibration End Date: 04/19/2022 18:09 Calibration ID: 90241

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
			2278389	5511347				200	500			
1,3,5-Trimethylbenzene	DCBd 4	Ave	+++++ 2031698	8573 5023161	46697	190275	479734	+++++ 200	1.00 500	5.00	20.0	50.0
4-Chlorotoluene	DCBd 4	Ave	+++++ 1855074	9048 4671415	45487	180546	450371	+++++ 200	1.00 500	5.00	20.0	50.0
Butyl Methacrylate	DCBd 4	Ave	+++++ 848853	3054 2095041	17947	79225	204570	+++++ 200	1.00 500	5.00	20.0	50.0
tert-Butylbenzene	DCBd 4	Ave	+++++ 1531218	6305 3829493	33412	140750	358792	+++++ 200	1.00 500	5.00	20.0	50.0
1,2,4-Trimethylbenzene	DCBd 4	Ave	+++++ 2108395	8833 5186264	49713	199993	498870	+++++ 200	1.00 500	5.00	20.0	50.0
sec-Butylbenzene	DCBd 4	Ave	+++++ 2153708	9446 5290845	49959	200216	511464	+++++ 200	1.00 500	5.00	20.0	50.0
1,3-Dichlorobenzene	DCBd 4	Ave	+++++ 1104029	4586 2785917	26257	107922	271146	+++++ 200	1.00 500	5.00	20.0	50.0
4-Isopropyltoluene	DCBd 4	Ave	+++++ 1848574	8101 4577271	43450	171580	433452	+++++ 200	1.00 500	5.00	20.0	50.0
1,4-Dichlorobenzene	DCBd 4	Ave	+++++ 1136647	5165 2833972	27485	111019	273155	+++++ 200	1.00 500	5.00	20.0	50.0
1,2,3-Trimethylbenzene	DCBd 4	Ave	+++++ 2310076	10458 5655466	53313	222452	560074	+++++ 200	1.00 500	5.00	20.0	50.0
Benzyl chloride	DCBd 4	Ave	+++++ 266345	1586 642005	6563	27874	67293	+++++ 200	1.00 500	5.00	20.0	50.0
Indan	DCBd 4	Ave	+++++	10072	53748	218135	545654	+++++	1.00	5.00	20.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison Job No.: 460-260852-1 Analy Batch No.: 839936

SDG No.:

Instrument ID: CVOAMS11 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2022 12:16 Calibration End Date: 04/19/2022 18:09 Calibration ID: 90241

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
			2223533	5405546				200	500			
p-Diethylbenzene	DCBd 4	Ave	+++++ 898671	4749 2174326	22196	87980	217167	+++++ 200	1.00 500	5.00	20.0	50.0
n-Butylbenzene	DCBd 4	Ave	+++++ 859488	4593 2070602	21293	85063	206104	+++++ 200	1.00 500	5.00	20.0	50.0
1,2-Dichlorobenzene	DCBd 4	Ave	+++++ 1132110	5049 2804120	26714	108517	274030	+++++ 200	1.00 500	5.00	20.0	50.0
1,2,4,5-Tetramethylbenzene	DCBd 4	Ave	+++++ 1790795	9671 4372480	42503	168166	427429	+++++ 200	1.00 500	5.00	20.0	50.0
1,2-Dibromo-3-Chloropropane	DCBd 4	Ave	+++++ 162650	756 403499	4135	16334	40497	+++++ 200	1.00 500	5.00	20.0	50.0
1,3,5-Trichlorobenzene	DCBd 4	Ave	+++++ 651572	3026 1572148	15894	63106	160059	+++++ 200	1.00 500	5.00	20.0	50.0
1,2,4-Trichlorobenzene	DCBd 4	Ave	+++++ 621988	3546 1511102	14140	59745	149592	+++++ 200	1.00 500	5.00	20.0	50.0
Hexachlorobutadiene	DCBd 4	Ave	+++++ 202667	1074 505034	4553	19081	47013	+++++ 200	1.00 500	5.00	20.0	50.0
Naphthalene	DCBd 4	Ave	+++++ 1829420	11212 4551090	42839	173188	450165	+++++ 200	1.00 500	5.00	20.0	50.0
1,2,3-Trichlorobenzene	DCBd 4	Lin2	+++++ 463164	3016 1178949	11824	44356	113351	+++++ 200	1.00 500	5.00	20.0	50.0
Dibromofluoromethane (Surr)	FB	Ave	123999 124819	116673 128154	123168	122202	122485	50.0 50.0	50.0 50.0	50.0	50.0	50.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	134169 143509	132244 148121	136149	134801	137302	50.0 50.0	50.0 50.0	50.0	50.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison Job No.: 460-260852-1 Analy Batch No.: 839936

SDG No.:

Instrument ID: CVOAMS11 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2022 12:16 Calibration End Date: 04/19/2022 18:09 Calibration ID: 90241

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Toluene-d8 (Surr)	CBNZ d5	Ave	472974 497868	442144 511138	475427	477119	481173	50.0 50.0	50.0 50.0	50.0	50.0	50.0
4-Bromofluorobenzene	CBNZ d5	Ave	139908 150410	109880 150919	136867	142806	143567	50.0 50.0	50.0 50.0	50.0	50.0	50.0

Curve Type Legend

Ave = Average ISTD
Lin2 = Linear 1/conc^2 ISTD
Qua2 = Quadratic 1/conc^2 ISTD
QuaF = Quadratic ISTD forced zero

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20220419-144210.b\N48288.D
Lims ID: STD7
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 19-Apr-2022 12:16:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD7
Misc. Info.: 460-0144210-003
Operator ID: Instrument ID: CVOAMS11
Sublist: chrom-8260W_11*sub8

Method: \\chromfs\Edison\ChromData\CVOAMS11\20220419-144210.b\8260W_11.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 20-Apr-2022 21:35:59 Calib Date: 19-Apr-2022 18:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS11\20220419-144210.b\N48302.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1682

First Level Reviewer: baronm Date: 19-Apr-2022 19:56:09

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 31 TBA-d9 (IS)	66	2.892	2.898	-0.006	0	37307	1000.0	1000.0	
36 Acrylonitrile	53	3.147	3.147	0.000	0	2698	2.00	2.42	
* 43 2-Butanone-d5	46	3.914	3.914	0.000	0	282791	250.0	250.0	
$ 56 Dibromofluoromethane (Surr)	113	4.370	4.376	-0.006	0	123999	50.0	52.9	
$ 62 1,2-Dichloroethane-d4 (Surr)	65	4.711	4.711	0.000	0	134169	50.0	51.0	
* 67 Fluorobenzene	96	4.972	4.979	-0.007	0	482942	50.0	50.0	
* 73 1,4-Dioxane-d8	96	5.648	5.654	-0.006	0	26413	1000.0	1000.0	
81 Epichlorohydrin	57	6.311	6.311	0.000	0	2309	5.00	5.21	
$ 84 Toluene-d8 (Surr)	98	6.603	6.609	-0.006	0	472974	50.0	52.4	
* 95 Chlorobenzene-d5	117	8.361	8.361	0.000	0	334690	50.0	50.0	
$ 106 4-Bromofluorobenzene	174	9.833	9.833	0.000	0	139908	50.0	53.6	
* 122 1,4-Dichlorobenzene-d4	152	10.995	10.995	0.000	0	185178	50.0	50.0	

QC Flag Legend
Processing Flags

Reagents:

8260MIX1COMB_00153	Amount Added:	0.00	Units: uL	
ACROLEIN W_00139	Amount Added:	0.00	Units: uL	
524freon_00050	Amount Added:	0.00	Units: uL	
14DIOXINTER_00140	Amount Added:	0.00	Units: uL	
8FreonHi_00043	Amount Added:	0.00	Units: uL	
Ethanol mix_00063	Amount Added:	0.00	Units: uL	
MIX 2 Hi_00122	Amount Added:	0.00	Units: uL	
MIX I Hi_00149	Amount Added:	0.00	Units: uL	
GAS Hi_00412	Amount Added:	0.00	Units: uL	
ACRY/EPIH MIX_00099	Amount Added:	20.00	Units: uL	
GASES Li_00472	Amount Added:	2.50	Units: uL	
8260ISNEW_00120	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00226	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 20-Apr-2022 21:36:01 Chrom Revision: 2.3 12-Apr-2022 20:29:44

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20220419-144210.b\N48288.D

Injection Date: 19-Apr-2022 12:16:30 Instrument ID: CVOAMS11 Operator ID:

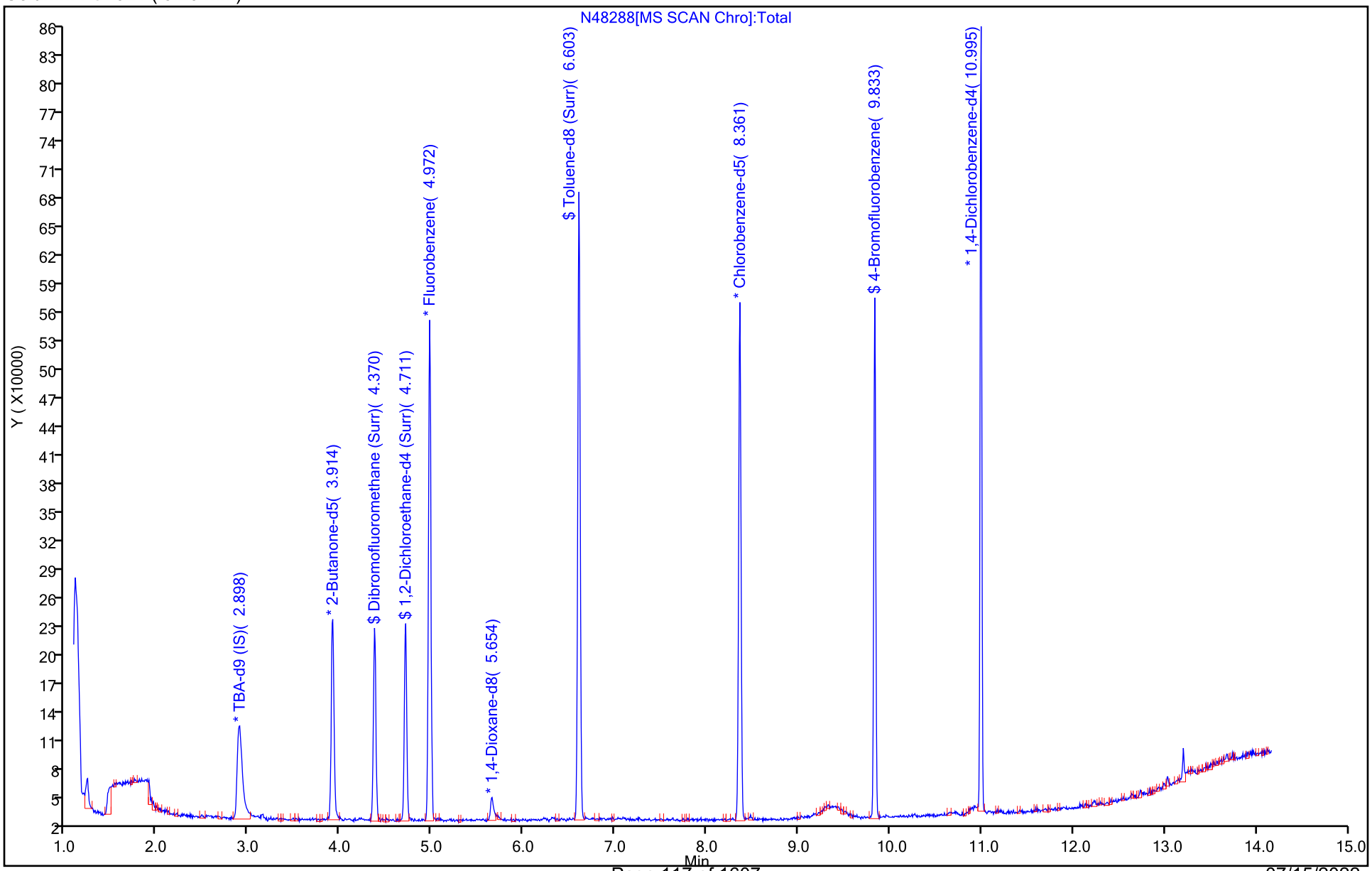
Lims ID: STD7 Worklist Smp#: 3

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 2

Method: 8260W_11 Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)



Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20220419-144210.b\N48290.D
Lims ID: STD5
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 19-Apr-2022 13:25:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD5
Misc. Info.: 460-0144210-005
Operator ID: Instrument ID: CVOAMS11
Sublist: chrom-8260W_11*sub8

Method: \\chromfs\Edison\ChromData\CVOAMS11\20220419-144210.b\8260W_11.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 20-Apr-2022 21:36:09 Calib Date: 19-Apr-2022 18:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS11\20220419-144210.b\N48302.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1682

First Level Reviewer: baronm Date: 19-Apr-2022 19:58:12

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
4 Chlorotrifluoroethene	116	1.328	1.335	-0.007	0	6427	5.00	4.93	
5 Dichlorodifluoromethane	85	1.365	1.353	0.012	97	12845	5.00	2.97	M
6 Chlorodifluoromethane	51	1.377	1.377	0.000	0	18124	5.00	5.32	
7 Chloromethane	52	1.462	1.468	-0.006	0	4542	5.00	4.65	
8 Vinyl chloride	62	1.572	1.578	-0.006	0	16131	5.00	4.77	
9 Butadiene	54	1.584	1.590	-0.006	0	11817	5.00	4.90	
10 Bromomethane	94	1.827	1.833	-0.006	0	11068	5.00	5.21	
11 Chloroethane	64	1.912	1.913	-0.001	0	9271	5.00	4.81	
13 Trichlorofluoromethane	101	2.089	2.083	0.006	0	16859	5.00	4.86	
12 Dichlorofluoromethane	67	2.089	2.089	0.000	0	23443	5.00	4.76	
14 Pentane	72	2.119	2.119	0.000	0	3988	10.0	9.42	
15 Ethanol	46	2.290	2.265	0.025	76	3357	200.0	191.5	M
16 Ethyl ether	74	2.296	2.296	0.000	0	8868	5.00	5.14	
17 2-Methyl-1,3-butadiene	53	2.320	2.320	0.000	0	11690	5.00	5.63	
18 1,2-Dichloro-1,1,2-trifluoroetha	117	2.338	2.344	-0.006	0	11130	5.00	5.04	
19 1,1,1-Trifluoro-2,2-dichloroetha	83	2.393	2.399	-0.006	89	17906	5.00	5.10	a
20 Acrolein	56	2.460	2.454	0.006	0	7254	20.3	20.8	
21 112TCTFE	101	2.478	2.466	0.012	0	6276	5.00	4.57	
22 1,1-Dichloroethene	96	2.490	2.490	0.000	0	12707	5.00	5.16	
23 Acetone	58	2.569	2.570	-0.001	88	9710	25.0	25.7	M
24 Iodomethane	142	2.636	2.630	0.006	0	23004	5.00	5.05	
25 Isopropyl alcohol	45	2.649	2.661	-0.012	0	9608	50.0	49.5	
26 Carbon disulfide	76	2.667	2.667	0.000	0	47193	5.00	5.11	
27 3-Chloro-1-propene	76	2.788	2.789	-0.001	0	10052	5.00	3.74	
28 Methyl acetate	74	2.795	2.795	0.000	0	6053	10.0	9.39	
29 Cyclopentene	67	2.807	2.807	0.000	0	37959	5.00	5.51	
30 Acetonitrile	41	2.855	2.849	0.006	0	23694	50.0	52.5	
* 31 TBA-d9 (IS)	66	2.892	2.898	-0.006	0	47809	1000.0	1000.0	
32 Methylene Chloride	84	2.910	2.910	0.000	0	16736	5.00	5.17	
33 2-Methyl-2-propanol	59	2.965	2.959	0.006	92	17130	50.0	47.3	a

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
34 Methyl tert-butyl ether	73	3.062	3.056	0.006	0	41126	5.00	5.33	
35 trans-1,2-Dichloroethene	96	3.080	3.081	-0.001	0	16150	5.00	5.42	
36 Acrylonitrile	53	3.153	3.147	0.006	0	64056	50.0	44.9	
37 Hexane	56	3.220	3.227	-0.007	0	8233	5.00	5.44	
38 Isopropyl ether	45	3.427	3.427	0.000	0	50590	5.00	5.37	
39 1,1-Dichloroethane	63	3.458	3.458	0.000	0	28944	5.00	5.34	
40 Vinyl acetate	86	3.476	3.470	0.006	0	5492	10.0	10.9	
41 2-Chloro-1,3-butadiene	88	3.500	3.500	0.000	0	13366	5.00	5.11	
42 Tert-butyl ethyl ether	59	3.737	3.732	0.005	0	45040	5.00	5.43	
* 43 2-Butanone-d5	46	3.914	3.914	0.000	0	310160	250.0	250.0	
44 2,2-Dichloropropane	79	3.932	3.932	0.000	0	5922	5.00	6.39	
45 cis-1,2-Dichloroethene	96	3.957	3.957	-0.001	0	16800	5.00	4.95	
46 2-Butanone (MEK)	72	3.963	3.969	-0.006	96	9558	25.0	24.3	M
47 Ethyl acetate	70	3.975	3.969	0.006	0	4026	10.0	11.2	
48 Methyl acrylate	55	4.023	4.024	-0.001	0	14343	5.00	5.56	
49 Propionitrile	54	4.096	4.097	-0.001	0	24572	50.0	51.3	
50 Tetrahydrofuran	72	4.169	4.163	0.006	0	4577	10.0	10.2	
51 Chlorobromomethane	128	4.176	4.170	0.006	0	8764	5.00	5.38	
52 Methacrylonitrile	67	4.194	4.194	0.000	0	69770	50.0	52.7	
53 Chloroform	83	4.224	4.224	0.000	0	26679	5.00	5.30	
54 Cyclohexane	84	4.352	4.346	0.006	0	18853	5.00	5.79	
55 1,1,1-Trichloroethane	97	4.364	4.364	0.000	0	19541	5.00	5.30	
$ 56 Dibromofluoromethane (Surr)	113	4.376	4.376	0.000	0	123168	50.0	51.5	
57 Carbon tetrachloride	117	4.474	4.480	-0.006	0	16252	5.00	5.14	
58 1,1-Dichloropropene	75	4.504	4.504	0.000	0	19623	5.00	5.06	
59 Isobutyl alcohol	43	4.632	4.626	0.006	0	21086	125.0	125.4	
60 Isooctane	57	4.668	4.662	0.006	92	21992	5.00	6.63	a
61 Benzene	78	4.699	4.693	0.006	0	61007	5.00	5.17	
$ 62 1,2-Dichloroethane-d4 (Surr)	65	4.711	4.711	0.000	0	136149	50.0	50.8	
64 Isopropyl acetate	43	4.753	4.754	-0.001	0	41198	5.00	5.27	
63 Tert-amyl methyl ether	73	4.760	4.760	0.000	0	46698	5.00	5.52	
65 1,2-Dichloroethane	62	4.784	4.784	0.000	0	18876	5.00	5.16	
66 n-Heptane	57	4.845	4.845	0.000	0	5467	5.00	4.86	
* 67 Fluorobenzene	96	4.979	4.979	0.000	0	492173	50.0	50.0	
68 n-Butanol	56	5.283	5.277	0.006	0	10257	125.0	114.7	
69 Trichloroethene	95	5.319	5.319	0.000	0	15475	5.00	5.14	
70 Ethyl acrylate	99	5.441	5.441	0.000	0	2214	5.00	5.40	
71 Methylcyclohexane	83	5.441	5.441	0.000	0	18806	5.00	5.27	
72 1,2-Dichloropropane	63	5.599	5.599	0.000	0	15730	5.00	5.24	
* 73 1,4-Dioxane-d8	96	5.654	5.654	0.000	0	30053	1000.0	1000.0	
74 Methyl methacrylate	100	5.684	5.684	0.000	0	8322	10.0	10.2	
75 1,4-Dioxane	88	5.709	5.703	0.006	0	4825	100.0	117.3	
76 Dibromomethane	93	5.727	5.727	0.000	0	9225	5.00	4.98	
77 n-Propyl acetate	43	5.733	5.739	-0.006	0	22328	5.00	5.08	
78 Dichlorobromomethane	83	5.873	5.873	0.000	0	18051	5.00	4.88	
79 2-Nitropropane	41	6.207	6.208	-0.001	0	9263	10.0	9.44	
80 2-Chloroethyl vinyl ether	63	6.214	6.214	0.000	0	8259	5.01	4.99	
81 Epichlorohydrin	57	6.311	6.311	0.000	0	31368	100.0	101.3	
82 cis-1,3-Dichloropropene	75	6.366	6.366	0.000	0	23937	5.00	5.04	
83 4-Methyl-2-pentanone (MIBK)	43	6.530	6.530	0.000	0	77649	25.0	25.7	
$ 84 Toluene-d8 (Surr)	98	6.603	6.609	-0.006	0	475427	50.0	50.7	
85 Toluene	91	6.682	6.682	0.000	0	60236	5.00	5.06	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
86 trans-1,3-Dichloropropene	75	7.029	7.029	0.000	0	21089	5.00	5.03	
87 Ethyl methacrylate	69	7.065	7.065	0.000	0	19560	5.00	5.12	
88 1,1,2-Trichloroethane	83	7.236	7.236	0.000	0	10964	5.00	4.80	
89 Tetrachloroethene	166	7.284	7.278	0.006	0	12967	5.00	5.18	
90 1,3-Dichloropropane	76	7.448	7.442	0.006	0	21140	5.00	4.98	
91 2-Hexanone	58	7.515	7.515	0.000	0	29529	25.0	25.3	
92 n-Butyl acetate	43	7.631	7.631	0.000	0	24147	5.00	5.32	
93 Chlorodibromomethane	129	7.674	7.674	0.000	0	12493	5.00	4.89	
94 Ethylene Dibromide	107	7.813	7.820	-0.007	0	13032	5.00	4.93	
* 95 Chlorobenzene-d5	117	8.361	8.361	0.000	0	347770	50.0	50.0	
96 Chlorobenzene	112	8.398	8.398	0.000	0	35431	5.00	5.00	
97 Ethylbenzene	106	8.501	8.507	-0.006	0	19883	5.00	5.11	
98 1,1,1,2-Tetrachloroethane	131	8.525	8.519	0.006	0	13461	5.00	5.03	
99 m-Xylene & p-Xylene	106	8.665	8.659	0.006	0	24859	5.00	5.24	
100 o-Xylene	106	9.176	9.176	0.000	0	24066	5.00	4.96	
101 n-Butyl acrylate	73	9.176	9.176	0.000	0	12213	5.00	5.04	
102 Styrene	104	9.213	9.213	0.000	0	41363	5.00	5.06	
104 Bromoform	173	9.462	9.456	0.006	0	8622	5.00	4.88	
103 Amyl acetate (mixed isomers)	43	9.462	9.462	0.000	0	27148	5.00	4.89	
105 Isopropylbenzene	105	9.614	9.614	0.000	0	58966	5.00	5.04	
$ 106 4-Bromofluorobenzene	174	9.833	9.833	0.000	0	136867	50.0	50.4	
107 Bromobenzene	156	9.979	9.979	0.000	0	15327	5.00	5.09	
108 1,1,2,2-Tetrachloroethane	83	10.046	10.046	0.000	0	17197	5.00	4.82	
109 N-Propylbenzene	91	10.070	10.071	-0.001	0	66512	5.00	4.90	
110 1,2,3-Trichloropropane	110	10.095	10.095	0.000	0	5024	5.00	4.79	
111 trans-1,4-Dichloro-2-butene	53	10.119	10.119	0.000	0	4493	5.00	4.66	
112 2-Chlorotoluene	91	10.180	10.180	0.000	0	47336	5.00	4.84	
113 4-Ethyltoluene	105	10.198	10.198	0.000	0	54117	5.00	4.94	
114 1,3,5-Trimethylbenzene	105	10.271	10.271	0.000	0	46697	5.00	4.85	
115 4-Chlorotoluene	91	10.302	10.302	0.000	0	45487	5.00	4.92	
116 Butyl Methacrylate	87	10.393	10.387	0.006	0	17947	5.00	4.63	
117 tert-Butylbenzene	119	10.582	10.582	0.000	0	33412	5.00	4.68	
118 1,2,4-Trimethylbenzene	105	10.642	10.642	0.000	0	49713	5.00	4.96	
119 sec-Butylbenzene	105	10.794	10.795	-0.001	0	49959	5.00	4.87	
120 1,3-Dichlorobenzene	146	10.922	10.922	0.000	0	26257	5.00	4.93	
121 4-Isopropyltoluene	119	10.934	10.934	0.000	0	43450	5.00	4.92	
* 122 1,4-Dichlorobenzene-d4	152	10.995	10.995	0.000	0	192150	50.0	50.0	
123 1,4-Dichlorobenzene	146	11.013	11.014	-0.001	0	27485	5.00	4.94	
124 1,2,3-Trimethylbenzene	105	11.044	11.044	0.000	0	53313	5.00	4.78	
125 Benzyl chloride	126	11.159	11.160	-0.001	0	6563	5.00	4.69	
126 2,3-Dihydroindene	117	11.220	11.214	0.006	0	53748	5.00	4.94	
127 p-Diethylbenzene	119	11.281	11.281	0.000	0	22196	5.00	4.90	
128 n-Butylbenzene	92	11.305	11.306	-0.001	0	21293	5.00	4.91	
129 1,2-Dichlorobenzene	146	11.354	11.354	0.000	0	26714	5.00	4.87	
130 1,2,4,5-Tetramethylbenzene	119	11.950	11.950	0.000	0	42503	5.00	4.76	
131 1,2-Dibromo-3-Chloropropane	157	12.035	12.036	-0.001	0	4135	5.00	5.09	
132 1,3,5-Trichlorobenzene	180	12.151	12.151	0.000	0	15894	5.00	4.98	
133 1,2,4-Trichlorobenzene	180	12.650	12.650	0.000	0	14140	5.00	4.52	
134 Hexachlorobutadiene	225	12.735	12.735	0.000	0	4553	5.00	4.56	
135 Naphthalene	128	12.839	12.839	0.000	0	42839	5.00	4.53	
136 1,2,3-Trichlorobenzene	180	13.021	13.021	0.000	0	11824	5.00	4.80	
S 137 1,2-Dichloroethene, Total	100				0		10.0	10.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 138 Xylenes, Total	100				0		10.0	10.2	
S 139 Total BTEX	1				0		25.0	25.5	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

8260MIX1COMB_00153	Amount Added:	10.00	Units: uL	
ACROLEIN W_00139	Amount Added:	4.00	Units: uL	
524freon_00050	Amount Added:	10.00	Units: uL	
GASES Li_00472	Amount Added:	10.00	Units: uL	
8260ISNEW_00120	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00226	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 20-Apr-2022 21:36:10 Chrom Revision: 2.3 12-Apr-2022 20:29:44

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20220419-144210.b\N48290.D

Injection Date: 19-Apr-2022 13:25:30 Instrument ID: CVOAMS11 Operator ID:

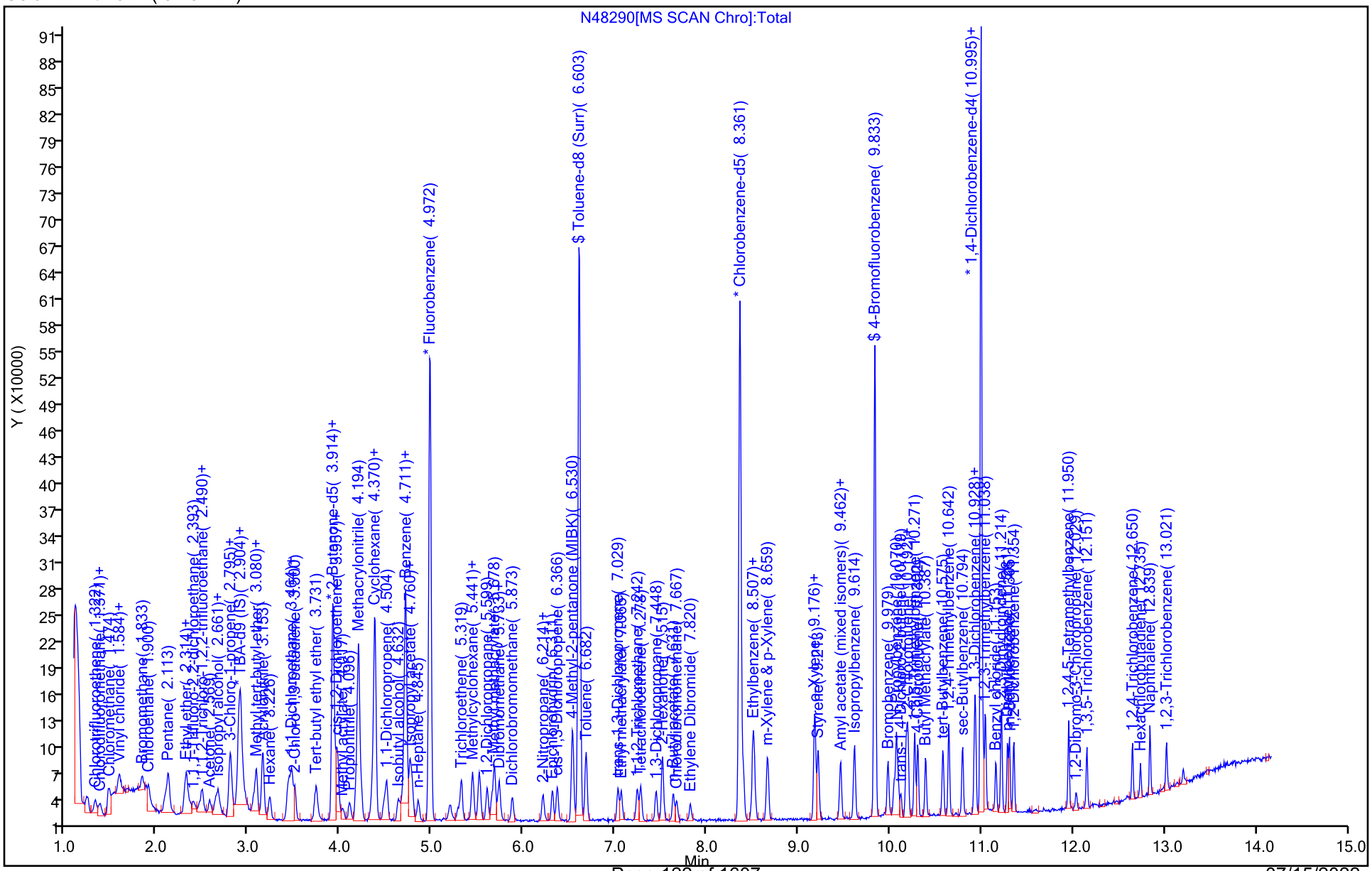
Lims ID: STD5 Worklist Smp#: 5

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 4

Method: 8260W_11 Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)



Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20220419-144210.b\N48291.D
Lims ID: STD20
Client ID:
Sample Type: ICIS Calib Level: 3
Inject. Date: 19-Apr-2022 13:48:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD20
Misc. Info.: 460-0144210-006
Operator ID: Instrument ID: CVOAMS11
Sublist: chrom-8260W_11*sub8

Method: \\chromfs\Edison\ChromData\CVOAMS11\20220419-144210.b\8260W_11.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 20-Apr-2022 21:36:15 Calib Date: 19-Apr-2022 18:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS11\20220419-144210.b\N48302.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1682

First Level Reviewer: baronm Date: 19-Apr-2022 19:59:49

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
4 Chlorotrifluoroethene	116	1.335	1.335	0.000	43	27626	20.0	21.1	
5 Dichlorodifluoromethane	85	1.353	1.353	0.000	97	58434	20.0	13.5	M
6 Chlorodifluoromethane	51	1.377	1.377	0.000	0	66902	20.0	19.6	
7 Chloromethane	52	1.468	1.468	0.000	0	18500	20.0	18.7	
8 Vinyl chloride	62	1.578	1.578	0.000	0	64721	20.0	19.1	
9 Butadiene	54	1.590	1.590	0.000	0	48750	20.0	18.2	
10 Bromomethane	94	1.833	1.833	0.000	0	42066	20.0	19.7	
11 Chloroethane	64	1.913	1.913	0.000	0	38144	20.0	19.7	
13 Trichlorofluoromethane	101	2.083	2.083	0.000	0	71669	20.0	20.6	
12 Dichlorofluoromethane	67	2.089	2.089	0.000	0	101558	20.0	20.5	
14 Pentane	72	2.119	2.119	0.000	0	15595	40.0	40.7	
15 Ethanol	46	2.265	2.265	0.000	69	13806	800.0	869.8	a
16 Ethyl ether	74	2.296	2.296	0.000	0	36151	20.0	20.8	
17 2-Methyl-1,3-butadiene	53	2.320	2.320	0.000	0	47284	20.0	22.7	
18 1,2-Dichloro-1,1,2-trifluoroetha	117	2.344	2.344	0.000	0	45882	20.0	20.7	
19 1,1,1-Trifluoro-2,2-dichloroetha	83	2.399	2.399	0.000	92	68596	20.0	19.4	a
20 Acrolein	56	2.454	2.454	0.000	0	13239	40.6	44.2	
21 112TCTFE	101	2.466	2.466	0.000	0	26694	20.0	19.4	
22 1,1-Dichloroethene	96	2.490	2.490	0.000	0	49785	20.0	20.1	
23 Acetone	58	2.570	2.570	0.000	0	32845	100.0	94.4	
24 Iodomethane	142	2.630	2.630	0.000	0	91521	20.0	20.0	
25 Isopropyl alcohol	45	2.661	2.661	0.000	39	42637	200.0	242.6	a
26 Carbon disulfide	76	2.667	2.667	0.000	0	189955	20.0	20.5	
27 3-Chloro-1-propene	76	2.789	2.789	0.000	0	47111	20.0	17.5	
28 Methyl acetate	74	2.795	2.795	0.000	0	23220	40.0	39.8	
29 Cyclopentene	67	2.807	2.807	0.000	0	145038	20.0	21.0	
30 Acetonitrile	41	2.849	2.849	0.000	96	93725	200.0	229.2	a
* 31 TBA-d9 (IS)	66	2.898	2.898	0.000	0	43287	1000.0	1000.0	
32 Methylene Chloride	84	2.910	2.910	0.000	0	63908	20.0	19.6	
33 2-Methyl-2-propanol	59	2.959	2.959	0.000	98	76193	200.0	232.6	a

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
34 Methyl tert-butyl ether	73	3.056	3.056	0.000	0	156835	20.0	20.2	
35 trans-1,2-Dichloroethene	96	3.081	3.081	0.000	0	63385	20.0	21.2	
36 Acrylonitrile	53	3.147	3.147	0.000	0	260192	200.0	201.4	
37 Hexane	56	3.227	3.227	0.000	0	27859	20.0	18.3	
38 Isopropyl ether	45	3.427	3.427	0.000	0	193956	20.0	20.5	
39 1,1-Dichloroethane	63	3.458	3.458	0.000	0	114176	20.0	21.0	
40 Vinyl acetate	86	3.470	3.470	0.000	0	18295	40.0	36.0	
41 2-Chloro-1,3-butadiene	88	3.500	3.500	0.000	0	56380	20.0	21.5	
42 Tert-butyl ethyl ether	59	3.732	3.732	0.000	0	176050	20.0	21.1	
* 43 2-Butanone-d5	46	3.914	3.914	0.000	0	313407	250.0	250.0	
44 2,2-Dichloropropane	79	3.932	3.932	0.000	0	20672	20.0	22.2	
45 cis-1,2-Dichloroethene	96	3.957	3.957	0.000	0	69019	20.0	20.2	
46 2-Butanone (MEK)	72	3.969	3.969	0.000	0	38504	100.0	97.0	
47 Ethyl acetate	70	3.969	3.969	0.000	0	15732	40.0	43.2	
48 Methyl acrylate	55	4.024	4.024	0.000	0	54224	20.0	20.9	
49 Propionitrile	54	4.097	4.097	0.000	0	97695	200.0	225.3	
50 Tetrahydrofuran	72	4.163	4.163	0.000	0	18042	40.0	40.0	
51 Chlorobromomethane	128	4.170	4.170	0.000	0	32732	20.0	20.0	
52 Methacrylonitrile	67	4.194	4.194	0.000	0	276692	200.0	208.0	
53 Chloroform	83	4.224	4.224	0.000	0	104217	20.0	20.6	
54 Cyclohexane	84	4.346	4.346	0.000	0	69341	20.0	21.2	
55 1,1,1-Trichloroethane	97	4.364	4.364	0.000	0	77222	20.0	20.8	
$ 56 Dibromofluoromethane (Surr)	113	4.376	4.376	0.000	0	122202	50.0	50.9	
57 Carbon tetrachloride	117	4.480	4.480	0.000	0	65592	20.0	20.7	
58 1,1-Dichloropropene	75	4.504	4.504	0.000	0	81752	20.0	21.0	
59 Isobutyl alcohol	43	4.626	4.626	0.000	0	84147	500.0	552.6	
60 Isooctane	57	4.662	4.662	0.000	92	81180	20.0	24.7	a
61 Benzene	78	4.693	4.693	0.000	0	242464	20.0	20.4	
$ 62 1,2-Dichloroethane-d4 (Surr)	65	4.711	4.711	0.000	0	134801	50.0	50.1	
64 Isopropyl acetate	43	4.754	4.754	0.000	0	163821	20.0	20.9	
63 Tert-amyl methyl ether	73	4.760	4.760	0.000	0	180216	20.0	21.2	
65 1,2-Dichloroethane	62	4.784	4.784	0.000	0	73341	20.0	19.9	
66 n-Heptane	57	4.845	4.845	0.000	0	21978	20.0	19.4	
* 67 Fluorobenzene	96	4.979	4.979	0.000	0	494351	50.0	50.0	
68 n-Butanol	56	5.277	5.277	0.000	0	45822	500.0	566.0	
69 Trichloroethene	95	5.319	5.319	0.000	0	60887	20.0	20.1	
70 Ethyl acrylate	99	5.441	5.441	0.000	0	8285	20.0	20.1	
71 Methylcyclohexane	83	5.441	5.441	0.000	0	72544	20.0	20.2	
72 1,2-Dichloropropane	63	5.599	5.599	0.000	0	60364	20.0	20.0	
* 73 1,4-Dioxane-d8	96	5.654	5.654	0.000	0	28148	1000.0	1000.0	
74 Methyl methacrylate	100	5.684	5.684	0.000	0	33665	40.0	41.3	
75 1,4-Dioxane	88	5.703	5.703	0.000	0	15926	400.0	413.4	
76 Dibromomethane	93	5.727	5.727	0.000	0	37033	20.0	19.9	
77 n-Propyl acetate	43	5.739	5.739	0.000	0	90876	20.0	20.6	
78 Dichlorobromomethane	83	5.873	5.873	0.000	0	75391	20.0	20.3	
79 2-Nitropropane	41	6.208	6.208	0.000	0	32347	40.0	40.7	
80 2-Chloroethyl vinyl ether	63	6.214	6.214	0.000	0	34878	20.0	21.0	
81 Epichlorohydrin	57	6.311	6.311	0.000	0	125944	400.0	412.1	
82 cis-1,3-Dichloropropene	75	6.366	6.366	0.000	0	96859	20.0	20.2	
83 4-Methyl-2-pentanone (MIBK)	43	6.530	6.530	0.000	0	313814	100.0	102.8	
$ 84 Toluene-d8 (Surr)	98	6.609	6.609	0.000	0	477119	50.0	50.5	
85 Toluene	91	6.682	6.682	0.000	0	243687	20.0	20.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
86 trans-1,3-Dichloropropene	75	7.029	7.029	0.000	0	85884	20.0	20.3	
87 Ethyl methacrylate	69	7.065	7.065	0.000	0	80155	20.0	20.9	
88 1,1,2-Trichloroethane	83	7.236	7.236	0.000	0	45153	20.0	19.6	
89 Tetrachloroethene	166	7.278	7.278	0.000	0	50587	20.0	20.1	
90 1,3-Dichloropropane	76	7.442	7.442	0.000	0	86216	20.0	20.2	
91 2-Hexanone	58	7.515	7.515	0.000	0	124133	100.0	105.4	
92 n-Butyl acetate	43	7.631	7.631	0.000	0	92845	20.0	20.3	
93 Chlorodibromomethane	129	7.674	7.674	0.000	0	52124	20.0	20.3	
94 Ethylene Dibromide	107	7.820	7.820	0.000	0	53227	20.0	20.0	
* 95 Chlorobenzene-d5	117	8.361	8.361	0.000	0	350383	50.0	50.0	
96 Chlorobenzene	112	8.398	8.398	0.000	0	146419	20.0	20.5	
97 Ethylbenzene	106	8.507	8.507	0.000	0	79115	20.0	20.2	
98 1,1,1,2-Tetrachloroethane	131	8.519	8.519	0.000	0	56149	20.0	20.8	
99 m-Xylene & p-Xylene	106	8.659	8.659	0.000	0	97511	20.0	20.4	
100 o-Xylene	106	9.176	9.176	0.000	0	100771	20.0	20.6	
101 n-Butyl acrylate	73	9.176	9.176	0.000	0	49600	20.0	20.3	
102 Styrene	104	9.213	9.213	0.000	0	170537	20.0	20.7	
104 Bromoform	173	9.456	9.456	0.000	0	34931	20.0	20.0	
103 Amyl acetate (mixed isomers)	43	9.462	9.462	0.000	0	110763	20.0	20.1	
105 Isopropylbenzene	105	9.614	9.614	0.000	0	237586	20.0	20.2	
$ 106 4-Bromofluorobenzene	174	9.833	9.833	0.000	0	142806	50.0	52.2	
107 Bromobenzene	156	9.979	9.979	0.000	0	60388	20.0	20.2	
108 1,1,2,2-Tetrachloroethane	83	10.046	10.046	0.000	0	70485	20.0	19.9	
109 N-Propylbenzene	91	10.071	10.071	0.000	0	266308	20.0	19.8	
110 1,2,3-Trichloropropane	110	10.095	10.095	0.000	0	20805	20.0	20.0	
111 trans-1,4-Dichloro-2-butene	53	10.119	10.119	0.000	0	17723	20.0	18.5	
112 2-Chlorotoluene	91	10.180	10.180	0.000	0	194585	20.0	20.1	
113 4-Ethyltoluene	105	10.198	10.198	0.000	0	220252	20.0	20.3	
114 1,3,5-Trimethylbenzene	105	10.271	10.271	0.000	0	190275	20.0	19.9	
115 4-Chlorotoluene	91	10.302	10.302	0.000	0	180546	20.0	19.7	
116 Butyl Methacrylate	87	10.387	10.387	0.000	0	79225	20.0	20.6	
117 tert-Butylbenzene	119	10.582	10.582	0.000	0	140750	20.0	19.9	
118 1,2,4-Trimethylbenzene	105	10.642	10.642	0.000	0	199993	20.0	20.1	
119 sec-Butylbenzene	105	10.795	10.795	0.000	0	200216	20.0	19.7	
120 1,3-Dichlorobenzene	146	10.922	10.922	0.000	0	107922	20.0	20.4	
121 4-Isopropyltoluene	119	10.934	10.934	0.000	0	171580	20.0	19.6	
* 122 1,4-Dichlorobenzene-d4	152	10.995	10.995	0.000	0	190593	50.0	50.0	
123 1,4-Dichlorobenzene	146	11.014	11.014	0.000	0	111019	20.0	20.1	
124 1,2,3-Trimethylbenzene	105	11.044	11.044	0.000	0	222452	20.0	20.1	
125 Benzyl chloride	126	11.160	11.160	0.000	0	27874	20.0	20.1	
126 2,3-Dihydroindene	117	11.214	11.214	0.000	0	218135	20.0	20.2	
127 p-Diethylbenzene	119	11.281	11.281	0.000	0	87980	20.0	19.6	
128 n-Butylbenzene	92	11.306	11.306	0.000	0	85063	20.0	19.8	
129 1,2-Dichlorobenzene	146	11.354	11.354	0.000	0	108517	20.0	20.0	
130 1,2,4,5-Tetramethylbenzene	119	11.950	11.950	0.000	0	168166	20.0	19.0	
131 1,2-Dibromo-3-Chloropropane	157	12.036	12.036	0.000	0	16334	20.0	20.3	
132 1,3,5-Trichlorobenzene	180	12.151	12.151	0.000	0	63106	20.0	19.9	
133 1,2,4-Trichlorobenzene	180	12.650	12.650	0.000	0	59745	20.0	19.2	
134 Hexachlorobutadiene	225	12.735	12.735	0.000	0	19081	20.0	19.3	
135 Naphthalene	128	12.839	12.839	0.000	0	173188	20.0	18.5	
136 1,2,3-Trichlorobenzene	180	13.021	13.021	0.000	0	44356	20.0	19.8	
S 137 1,2-Dichloroethene, Total	100				0		40.0	41.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 138 Xylenes, Total	100				0		40.0	41.0	
S 139 Total BTEX	1				0		100.0	101.9	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

8260MIX1COMB_00153	Amount Added:	20.00	Units: uL	
ACROLEIN W_00139	Amount Added:	4.00	Units: uL	
524freon_00050	Amount Added:	20.00	Units: uL	
GASES Li_00472	Amount Added:	20.00	Units: uL	
8260ISNEW_00120	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00226	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 20-Apr-2022 21:36:16 Chrom Revision: 2.3 12-Apr-2022 20:29:44

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20220419-144210.b\N48291.D

Injection Date: 19-Apr-2022 13:48:30 Instrument ID: CVOAMS11 Operator ID:

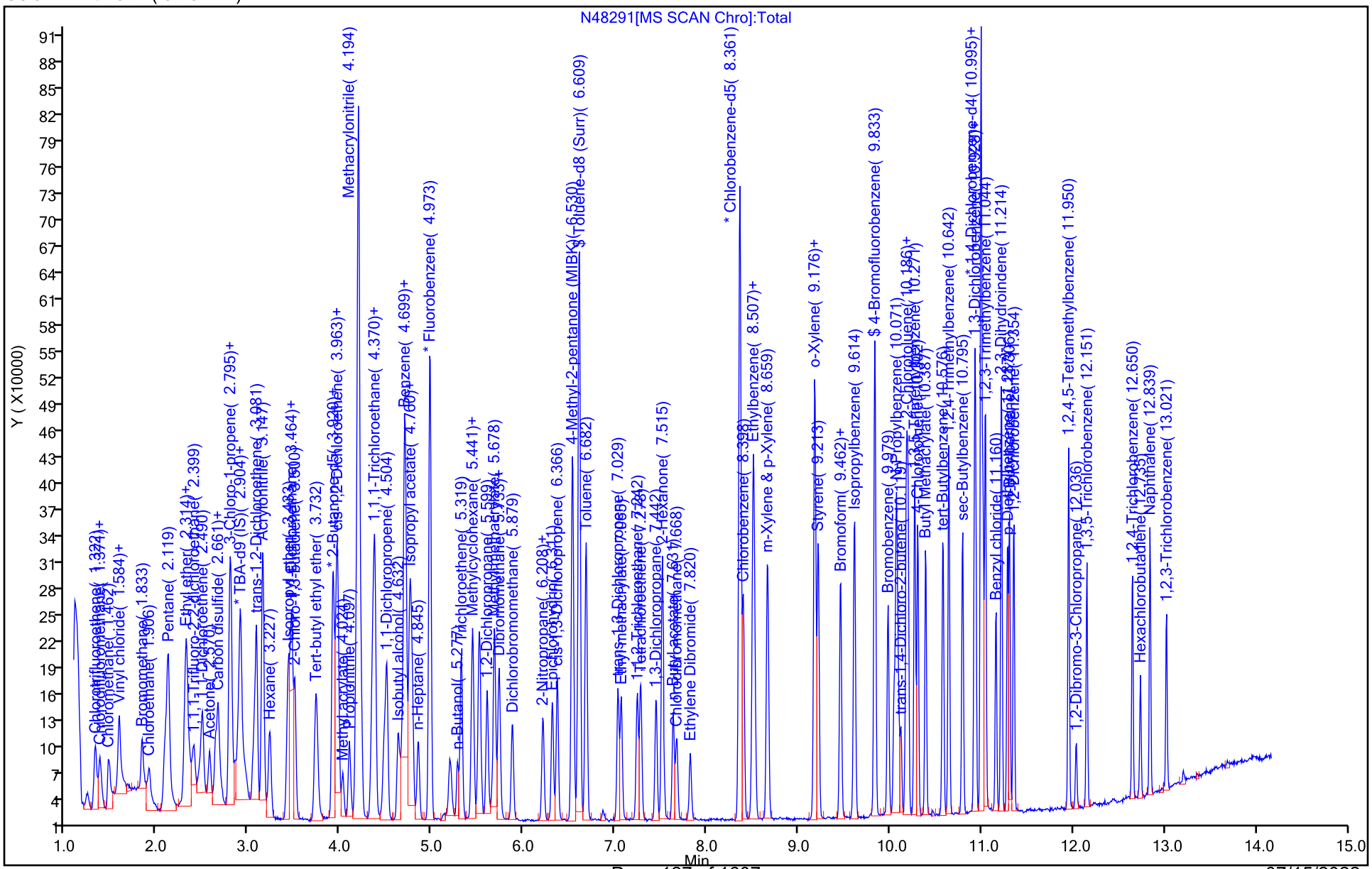
Lims ID: STD20 Worklist Smp#: 6

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 5

Method: 8260W_11 Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)



Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20220419-144210.b\N48292.D
Lims ID: STD50
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 19-Apr-2022 14:14:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD50
Misc. Info.: 460-0144210-007
Operator ID: Instrument ID: CVOAMS11
Sublist: chrom-8260W_11*sub8

Method: \\chromfs\Edison\ChromData\CVOAMS11\20220419-144210.b\8260W_11.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 20-Apr-2022 21:36:20 Calib Date: 19-Apr-2022 18:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS11\20220419-144210.b\N48302.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1682

First Level Reviewer: baronm Date: 19-Apr-2022 20:00:29

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
4 Chlorotrifluoroethene	116	1.329	1.335	-0.006	0	67693	50.0	48.4	
5 Dichlorodifluoromethane	85	1.353	1.353	0.000	0	161464	50.0	34.9	
6 Chlorodifluoromethane	51	1.371	1.377	-0.006	0	173930	50.0	47.7	
7 Chloromethane	52	1.468	1.468	0.000	0	47423	50.0	45.0	
8 Vinyl chloride	62	1.572	1.578	-0.006	0	175539	50.0	48.5	
9 Butadiene	54	1.584	1.590	-0.006	0	137771	50.0	47.1	
10 Bromomethane	94	1.827	1.833	-0.006	0	104218	50.0	45.8	
11 Chloroethane	64	1.906	1.913	-0.007	0	100071	50.0	48.5	
13 Trichlorofluoromethane	101	2.089	2.083	0.006	0	180119	50.0	48.5	
12 Dichlorofluoromethane	67	2.077	2.089	-0.012	0	253166	50.0	48.0	
14 Pentane	72	2.113	2.119	-0.006	0	33953	100.0	82.0	
15 Ethanol	46	2.290	2.265	0.025	68	32011	2000.0	1866.3	a
16 Ethyl ether	74	2.296	2.296	0.000	0	87356	50.0	47.2	
17 2-Methyl-1,3-butadiene	53	2.314	2.320	-0.006	0	114870	50.0	51.6	
18 1,2-Dichloro-1,1,2-trifluoroetha	117	2.344	2.344	0.000	0	109489	50.0	46.3	
19 1,1,1-Trifluoro-2,2-dichloroetha	83	2.393	2.399	-0.006	92	184404	50.0	49.0	a
20 Acrolein	56	2.448	2.454	-0.006	0	27728	101.4	87.9	
21 112TCTFE	101	2.460	2.466	-0.006	0	86770	50.0	59.0	
22 1,1-Dichloroethene	96	2.484	2.490	-0.006	0	116256	50.0	44.1	
23 Acetone	58	2.564	2.570	-0.006	0	79505	250.0	218.5	
24 Iodomethane	142	2.630	2.630	0.000	0	227008	50.0	46.5	
25 Isopropyl alcohol	45	2.649	2.661	-0.012	98	101085	500.0	532.3	a
26 Carbon disulfide	76	2.661	2.667	-0.006	0	458193	50.0	46.3	
27 3-Chloro-1-propene	76	2.783	2.789	-0.007	0	156887	50.0	54.5	
28 Methyl acetate	74	2.789	2.795	-0.006	0	56725	100.0	90.0	
29 Cyclopentene	67	2.801	2.807	-0.006	0	353867	50.0	48.0	
30 Acetonitrile	41	2.843	2.849	-0.006	96	234773	500.0	531.3	a
* 31 TBA-d9 (IS)	66	2.904	2.898	0.006	0	46775	1000.0	1000.0	
32 Methylene Chloride	84	2.904	2.910	-0.006	0	163139	50.0	47.0	
33 2-Methyl-2-propanol	59	2.959	2.959	0.000	99	184981	500.0	522.5	a

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
34 Methyl tert-butyl ether	73	3.056	3.056	0.000	0	387491	50.0	46.9	
35 trans-1,2-Dichloroethene	96	3.081	3.081	0.000	0	150413	50.0	47.2	
36 Acrylonitrile	53	3.148	3.147	0.001	0	647881	500.0	464.0	
37 Hexane	56	3.227	3.227	0.000	0	72077	50.0	44.5	
38 Isopropyl ether	45	3.427	3.427	0.000	0	487964	50.0	48.4	
39 1,1-Dichloroethane	63	3.458	3.458	0.000	0	275025	50.0	47.4	
40 Vinyl acetate	86	3.470	3.470	0.000	0	45971	100.0	84.8	
41 2-Chloro-1,3-butadiene	88	3.494	3.500	-0.006	0	136291	50.0	48.7	
42 Tert-butyl ethyl ether	59	3.725	3.732	-0.007	0	426988	50.0	48.1	
* 43 2-Butanone-d5	46	3.914	3.914	0.000	0	334599	250.0	250.0	
44 2,2-Dichloropropane	79	3.932	3.932	0.000	0	50317	50.0	50.7	
45 cis-1,2-Dichloroethene	96	3.951	3.957	-0.006	0	166333	50.0	45.7	
46 2-Butanone (MEK)	72	3.963	3.969	-0.006	0	96405	250.0	227.5	
47 Ethyl acetate	70	3.969	3.969	0.000	0	35741	100.0	92.0	
48 Methyl acrylate	55	4.024	4.024	0.000	0	136316	50.0	49.3	
49 Propionitrile	54	4.097	4.097	0.000	0	245533	500.0	524.1	
50 Tetrahydrofuran	72	4.170	4.163	0.007	0	44983	100.0	93.3	
51 Chlorobromomethane	128	4.170	4.170	0.000	0	81167	50.0	46.5	
52 Methacrylonitrile	67	4.194	4.194	0.000	0	696291	500.0	491.0	
53 Chloroform	83	4.224	4.224	0.000	0	258225	50.0	47.9	
54 Cyclohexane	84	4.346	4.346	0.000	0	165881	50.0	47.5	
55 1,1,1-Trichloroethane	97	4.358	4.364	-0.006	0	191695	50.0	48.5	
$ 56 Dibromofluoromethane (Surr)	113	4.376	4.376	0.000	0	122485	50.0	47.8	
57 Carbon tetrachloride	117	4.474	4.480	-0.006	0	165298	50.0	48.8	
58 1,1-Dichloropropene	75	4.504	4.504	0.000	0	201027	50.0	48.4	
59 Isobutyl alcohol	43	4.626	4.626	0.000	0	207303	1250.0	1259.9	
60 Isooctane	57	4.668	4.662	0.006	90	167839	50.0	48.5	a
61 Benzene	78	4.693	4.693	0.000	0	609092	50.0	47.6	
$ 62 1,2-Dichloroethane-d4 (Surr)	65	4.711	4.711	0.000	0	137302	50.0	47.8	
64 Isopropyl acetate	43	4.754	4.754	0.000	0	418871	50.0	50.1	
63 Tert-amyl methyl ether	73	4.760	4.760	0.000	0	446383	50.0	49.3	
65 1,2-Dichloroethane	62	4.784	4.784	0.000	0	181458	50.0	46.3	
66 n-Heptane	57	4.845	4.845	0.000	0	55593	50.0	46.1	
* 67 Fluorobenzene	96	4.973	4.979	-0.006	0	527141	50.0	50.0	
68 n-Butanol	56	5.277	5.277	0.000	0	123496	1250.0	1411.7	
69 Trichloroethene	95	5.313	5.319	-0.006	0	155385	50.0	48.1	
70 Ethyl acrylate	99	5.435	5.441	-0.006	0	20750	50.0	47.3	
71 Methylcyclohexane	83	5.441	5.441	0.000	0	175844	50.0	46.0	
72 1,2-Dichloropropane	63	5.599	5.599	0.000	0	156909	50.0	48.8	
* 73 1,4-Dioxane-d8	96	5.654	5.654	0.000	0	33060	1000.0	1000.0	
74 Methyl methacrylate	100	5.678	5.684	-0.006	0	83312	100.0	95.8	
75 1,4-Dioxane	88	5.709	5.703	0.006	0	41218	1000.0	911.0	
76 Dibromomethane	93	5.727	5.727	0.000	0	95247	50.0	48.0	
77 n-Propyl acetate	43	5.733	5.739	-0.006	0	227508	50.0	48.3	
78 Dichlorobromomethane	83	5.873	5.873	0.000	0	189699	50.0	47.8	
79 2-Nitropropane	41	6.208	6.208	0.000	0	79394	100.0	95.5	
80 2-Chloroethyl vinyl ether	63	6.214	6.214	0.000	0	81646	50.1	46.1	
81 Epichlorohydrin	57	6.311	6.311	0.000	0	321937	1000.0	991.1	
82 cis-1,3-Dichloropropene	75	6.366	6.366	0.000	0	238498	50.0	46.3	
83 4-Methyl-2-pentanone (MIBK)	43	6.530	6.530	0.000	0	790975	250.0	242.8	
$ 84 Toluene-d8 (Surr)	98	6.603	6.609	-0.006	0	481173	50.0	47.3	
85 Toluene	91	6.676	6.682	-0.006	0	607505	50.0	47.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
86 trans-1,3-Dichloropropene	75	7.029	7.029	0.000	0	216478	50.0	47.6	
87 Ethyl methacrylate	69	7.065	7.065	0.000	0	204204	50.0	49.9	
88 1,1,2-Trichloroethane	83	7.236	7.236	0.000	0	112857	50.0	45.6	
89 Tetrachloroethene	166	7.278	7.278	0.000	0	128468	50.0	47.3	
90 1,3-Dichloropropane	76	7.443	7.442	0.001	0	221634	50.0	48.2	
91 2-Hexanone	58	7.509	7.515	-0.006	0	300756	250.0	239.3	
92 n-Butyl acetate	43	7.631	7.631	0.000	0	236895	50.0	48.1	
93 Chlorodibromomethane	129	7.668	7.674	-0.006	0	134048	50.0	48.4	
94 Ethylene Dibromide	107	7.820	7.820	0.000	0	134095	50.0	46.8	
* 95 Chlorobenzene-d5	117	8.361	8.361	0.000	0	377092	50.0	50.0	
96 Chlorobenzene	112	8.398	8.398	0.000	0	369286	50.0	48.1	
97 Ethylbenzene	106	8.507	8.507	0.000	0	203164	50.0	48.2	
98 1,1,1,2-Tetrachloroethane	131	8.519	8.519	0.000	0	139225	50.0	48.0	
99 m-Xylene & p-Xylene	106	8.659	8.659	0.000	0	247890	50.0	48.2	
100 o-Xylene	106	9.176	9.176	0.000	0	253994	50.0	48.3	
101 n-Butyl acrylate	73	9.176	9.176	0.000	0	123400	50.0	46.9	
102 Styrene	104	9.213	9.213	0.000	0	422176	50.0	47.6	
104 Bromoform	173	9.456	9.456	0.000	0	90474	50.0	48.8	
103 Amyl acetate (mixed isomers)	43	9.462	9.462	0.000	0	269317	50.0	46.2	
105 Isopropylbenzene	105	9.614	9.614	0.000	0	603194	50.0	47.6	
$ 106 4-Bromofluorobenzene	174	9.833	9.833	0.000	0	143567	50.0	48.8	
107 Bromobenzene	156	9.979	9.979	0.000	0	151685	50.0	47.9	
108 1,1,2,2-Tetrachloroethane	83	10.046	10.046	0.000	0	180046	50.0	48.0	
109 N-Propylbenzene	91	10.071	10.071	0.000	0	666804	50.0	46.8	
110 1,2,3-Trichloropropane	110	10.089	10.095	-0.006	0	51575	50.0	46.8	
111 trans-1,4-Dichloro-2-butene	53	10.119	10.119	0.000	0	48189	50.0	47.6	
112 2-Chlorotoluene	91	10.180	10.180	0.000	0	490279	50.0	47.7	
113 4-Ethyltoluene	105	10.198	10.198	0.000	0	547403	50.0	47.5	
114 1,3,5-Trimethylbenzene	105	10.271	10.271	0.000	0	479734	50.0	47.5	
115 4-Chlorotoluene	91	10.302	10.302	0.000	0	450371	50.0	46.4	
116 Butyl Methacrylate	87	10.387	10.387	0.000	0	204570	50.0	50.2	
117 tert-Butylbenzene	119	10.576	10.582	-0.006	0	358792	50.0	47.8	
118 1,2,4-Trimethylbenzene	105	10.642	10.642	0.000	0	498870	50.0	47.3	
119 sec-Butylbenzene	105	10.795	10.795	0.000	0	511464	50.0	47.4	
120 1,3-Dichlorobenzene	146	10.922	10.922	0.000	0	271146	50.0	48.4	
121 4-Isopropyltoluene	119	10.935	10.934	0.000	0	433452	50.0	46.7	
* 122 1,4-Dichlorobenzene-d4	152	10.995	10.995	0.000	0	201944	50.0	50.0	
123 1,4-Dichlorobenzene	146	11.014	11.014	0.000	0	273155	50.0	46.7	
124 1,2,3-Trimethylbenzene	105	11.044	11.044	0.000	0	560074	50.0	47.7	
125 Benzyl chloride	126	11.160	11.160	0.000	0	67293	50.0	45.8	
126 2,3-Dihydroindene	117	11.214	11.214	0.000	0	545654	50.0	47.8	
127 p-Diethylbenzene	119	11.281	11.281	0.000	0	217167	50.0	45.7	
128 n-Butylbenzene	92	11.306	11.306	0.000	0	206104	50.0	45.2	
129 1,2-Dichlorobenzene	146	11.354	11.354	0.000	0	274030	50.0	47.6	
130 1,2,4,5-Tetramethylbenzene	119	11.950	11.950	0.000	0	427429	50.0	45.5	
131 1,2-Dibromo-3-Chloropropane	157	12.036	12.036	0.000	0	40497	50.0	47.4	
132 1,3,5-Trichlorobenzene	180	12.151	12.151	0.000	0	160059	50.0	47.7	
133 1,2,4-Trichlorobenzene	180	12.650	12.650	0.000	0	149592	50.0	45.5	
134 Hexachlorobutadiene	225	12.735	12.735	0.000	0	47013	50.0	44.8	
135 Naphthalene	128	12.839	12.839	0.000	0	450165	50.0	45.3	
136 1,2,3-Trichlorobenzene	180	13.021	13.021	0.000	0	113351	50.0	48.6	
S 137 1,2-Dichloroethene, Total	100				0		100.0	92.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 138 Xylenes, Total	100				0		100.0	96.5	
S 139 Total BTEX	1				0		250.0	239.3	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

8260MIX1COMB_00153	Amount Added:	50.00	Units: uL	
ACROLEIN W_00139	Amount Added:	10.00	Units: uL	
524freon_00050	Amount Added:	50.00	Units: uL	
GASES Li_00472	Amount Added:	50.00	Units: uL	
8260ISNEW_00120	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00226	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 20-Apr-2022 21:36:22 Chrom Revision: 2.3 12-Apr-2022 20:29:44

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20220419-144210.b\N48292.D

Injection Date: 19-Apr-2022 14:14:30 Instrument ID: CVOAMS11 Operator ID:

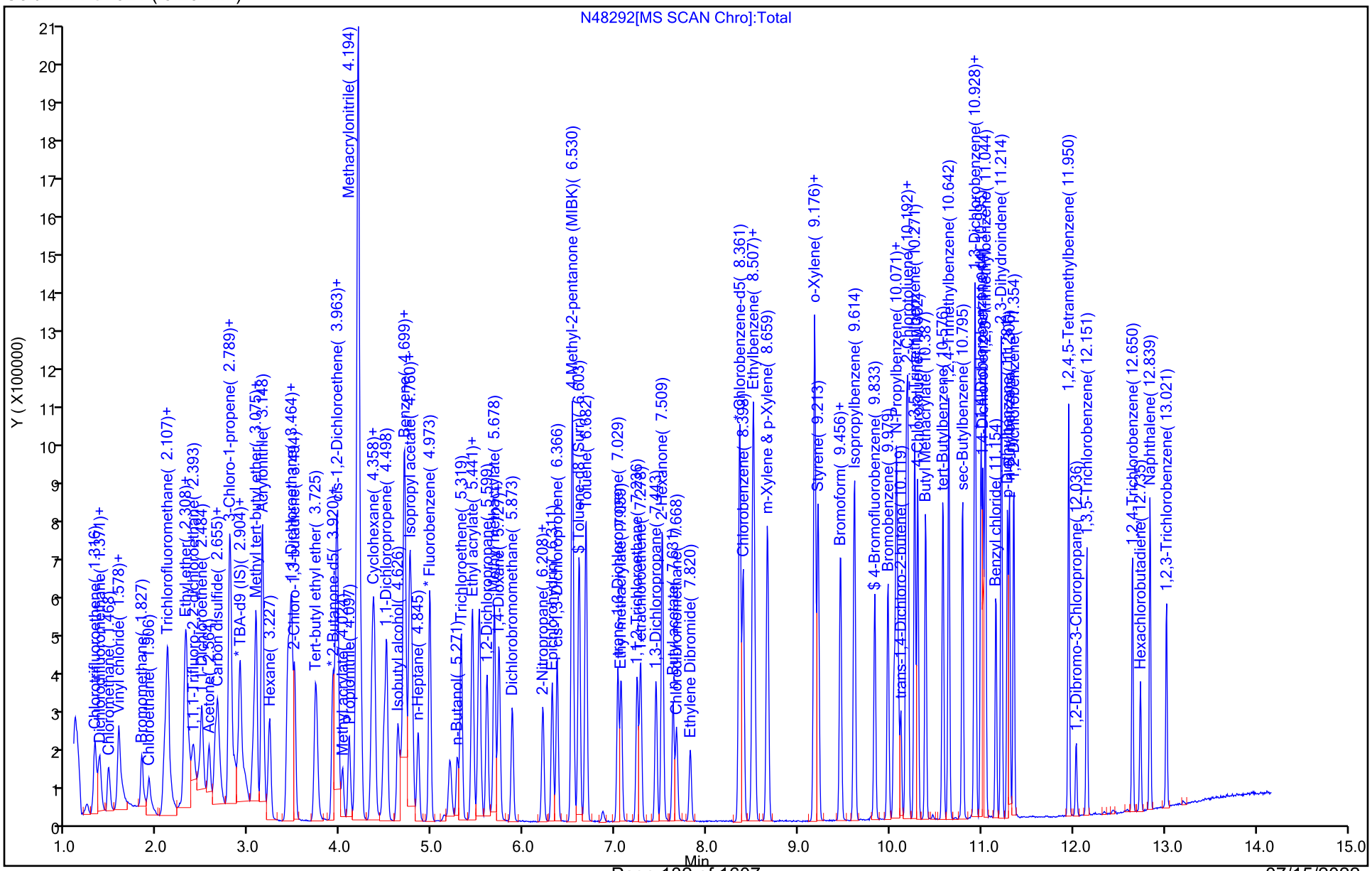
Lims ID: STD50 Worklist Smp#: 7

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 6

Method: 8260W_11 Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)



Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20220419-144210.b\N48293.D
Lims ID: STD200
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 19-Apr-2022 14:43:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD200
Misc. Info.: 460-0144210-008
Operator ID: Instrument ID: CVOAMS11
Sublist: chrom-8260W_11*sub8

Method: \\chromfs\Edison\ChromData\CVOAMS11\20220419-144210.b\8260W_11.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 20-Apr-2022 21:36:26 Calib Date: 19-Apr-2022 18:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS11\20220419-144210.b\N48302.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1682

First Level Reviewer: baronm Date: 19-Apr-2022 20:03:26

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
4 Chlorotrifluoroethene	116	1.316	1.335	-0.019	0	271739	200.0	202.7	
5 Dichlorodifluoromethane	85	1.347	1.353	-0.006	0	914976	200.0	206.8	
6 Chlorodifluoromethane	51	1.365	1.377	-0.012	0	794107	200.0	226.9	
7 Chloromethane	52	1.474	1.468	0.006	0	237109	200.0	235.4	
8 Vinyl chloride	62	1.572	1.578	-0.006	0	805185	200.0	231.7	
9 Butadiene	54	1.578	1.590	-0.012	0	648542	200.0	228.6	
10 Bromomethane	94	1.827	1.833	-0.006	0	475897	200.0	218.1	
11 Chloroethane	64	1.900	1.913	-0.013	0	416495	200.0	210.3	
13 Trichlorofluoromethane	101	2.083	2.083	0.000	0	825831	200.0	231.7	
12 Dichlorofluoromethane	67	2.077	2.089	-0.012	0	1122872	200.0	221.8	
14 Pentane	72	2.107	2.119	-0.012	0	144672	400.0	365.8	
15 Ethanol	46	2.271	2.265	0.006	68	157771	8000.0	9633.5	a
16 Ethyl ether	74	2.290	2.296	-0.006	0	361487	200.0	203.7	
17 2-Methyl-1,3-butadiene	53	2.308	2.320	-0.012	0	457072	200.0	214.2	
18 1,2-Dichloro-1,1,2-trifluoroetha	117	2.338	2.344	-0.006	0	485517	200.0	214.0	
19 1,1,1-Trifluoro-2,2-dichloroetha	83	2.387	2.399	-0.012	95	788205	200.0	218.4	a
20 Acrolein	56	2.454	2.454	0.000	0	61792	202.8	208.2	
21 112TCTFE	101	2.454	2.466	-0.012	0	257427	200.0	182.4	
22 1,1-Dichloroethene	96	2.484	2.490	-0.006	0	512362	200.0	202.3	
23 Acetone	58	2.557	2.570	-0.013	0	390640	1000.0	1139.1	
24 Iodomethane	142	2.624	2.630	-0.006	0	999152	200.0	213.3	
25 Isopropyl alcohol	45	2.642	2.661	-0.019	98	396114	2000.0	2184.7	a
26 Carbon disulfide	76	2.655	2.667	-0.012	0	1933285	200.0	203.7	
27 3-Chloro-1-propene	76	2.776	2.789	-0.013	0	661181	200.0	239.4	
28 Methyl acetate	74	2.788	2.795	-0.007	0	223824	400.0	371.8	
29 Cyclopentene	67	2.794	2.807	-0.013	0	1429785	200.0	201.9	
30 Acetonitrile	41	2.837	2.849	-0.012	98	910471	2000.0	2157.8	a
* 31 TBA-d9 (IS)	66	2.898	2.898	0.000	0	44663	1000.0	1000.0	
32 Methylene Chloride	84	2.898	2.910	-0.012	0	688454	200.0	206.8	
33 2-Methyl-2-propanol	59	2.959	2.959	0.000	97	738895	2000.0	2185.9	a

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
34 Methyl tert-butyl ether	73	3.050	3.056	-0.006	0	1577804	200.0	199.0	
35 trans-1,2-Dichloroethene	96	3.074	3.081	-0.007	0	624498	200.0	204.0	
36 Acrylonitrile	53	3.141	3.147	-0.006	0	2607588	2000.0	1956.0	
37 Hexane	56	3.220	3.227	-0.007	0	298073	200.0	191.7	
38 Isopropyl ether	45	3.421	3.427	-0.006	0	1944933	200.0	200.9	
39 1,1-Dichloroethane	63	3.452	3.458	-0.006	0	1118214	200.0	200.8	
40 Vinyl acetate	86	3.464	3.470	-0.006	0	188570	400.0	364.3	
41 2-Chloro-1,3-butadiene	88	3.494	3.500	-0.006	0	553771	200.0	206.2	
42 Tert-butyl ethyl ether	59	3.725	3.732	-0.007	0	1670566	200.0	196.1	
* 43 2-Butanone-d5	46	3.914	3.914	0.000	0	319479	250.0	250.0	
44 2,2-Dichloropropane	79	3.932	3.932	0.000	0	194258	200.0	203.8	
45 cis-1,2-Dichloroethene	96	3.950	3.957	-0.007	0	682898	200.0	195.6	
46 2-Butanone (MEK)	72	3.963	3.969	-0.006	0	415841	1000.0	1027.7	
47 Ethyl acetate	70	3.969	3.969	0.000	0	145381	400.0	391.9	
48 Methyl acrylate	55	4.017	4.024	-0.007	0	550137	200.0	207.4	
49 Propionitrile	54	4.090	4.097	-0.007	0	993328	2000.0	2220.7	
50 Tetrahydrofuran	72	4.163	4.163	0.000	0	186242	400.0	404.7	
51 Chlorobromomethane	128	4.169	4.170	-0.001	0	333228	200.0	199.1	
52 Methacrylonitrile	67	4.194	4.194	0.000	0	2777474	2000.0	2041.1	
53 Chloroform	83	4.218	4.224	-0.006	0	1045835	200.0	202.2	
54 Cyclohexane	84	4.340	4.346	-0.006	0	652517	200.0	194.9	
55 1,1,1-Trichloroethane	97	4.358	4.364	-0.006	0	774753	200.0	204.3	
$ 56 Dibromofluoromethane (Surr)	113	4.370	4.376	-0.006	0	124819	50.0	50.8	
57 Carbon tetrachloride	117	4.474	4.480	-0.006	0	684167	200.0	210.6	
58 1,1-Dichloropropene	75	4.498	4.504	-0.006	0	835561	200.0	209.8	
59 Isobutyl alcohol	43	4.626	4.626	0.000	0	846322	5000.0	5386.8	
60 Isooctane	57	4.668	4.662	0.006	97	600273	200.0	199.6	a
61 Benzene	78	4.693	4.693	0.000	0	2526354	200.0	202.6	
$ 62 1,2-Dichloroethane-d4 (Surr)	65	4.711	4.711	0.000	0	143509	50.0	52.1	
64 Isopropyl acetate	43	4.753	4.754	-0.001	0	1617685	200.0	201.5	
63 Tert-amyl methyl ether	73	4.759	4.760	-0.001	0	1671331	200.0	192.3	
65 1,2-Dichloroethane	62	4.784	4.784	0.000	0	751042	200.0	199.6	
66 n-Heptane	57	4.845	4.845	0.000	0	247680	200.0	214.1	
* 67 Fluorobenzene	96	4.972	4.979	-0.007	0	505820	50.0	50.0	
68 n-Butanol	56	5.271	5.277	-0.007	0	496852	5000.0	5948.0	
69 Trichloroethene	95	5.313	5.319	-0.006	0	640678	200.0	206.9	
70 Ethyl acrylate	99	5.441	5.441	0.000	0	83941	200.0	199.3	
71 Methylcyclohexane	83	5.441	5.441	0.000	0	690061	200.0	188.1	
72 1,2-Dichloropropane	63	5.599	5.599	0.000	0	644041	200.0	208.8	
* 73 1,4-Dioxane-d8	96	5.654	5.654	0.000	0	34365	1000.0	1000.0	
74 Methyl methacrylate	100	5.678	5.684	-0.006	0	343500	400.0	411.5	
75 1,4-Dioxane	88	5.709	5.703	0.006	0	159786	4000.0	3397.6	
76 Dibromomethane	93	5.721	5.727	-0.006	0	388363	200.0	204.0	
77 n-Propyl acetate	43	5.733	5.739	-0.006	0	876174	200.0	193.8	
78 Dichlorobromomethane	83	5.873	5.873	0.000	0	808318	200.0	212.5	
79 2-Nitropropane	41	6.201	6.208	-0.007	0	325146	400.0	457.8	
80 2-Chloroethyl vinyl ether	63	6.207	6.214	-0.007	0	356934	200.5	209.8	
81 Epichlorohydrin	57	6.311	6.311	0.000	0	1352221	4000.0	4370.9	
82 cis-1,3-Dichloropropene	75	6.366	6.366	0.000	0	1003719	200.0	200.0	
83 4-Methyl-2-pentanone (MIBK)	43	6.530	6.530	0.000	0	3165075	1000.0	1017.5	
$ 84 Toluene-d8 (Surr)	98	6.603	6.609	-0.006	0	497868	50.0	50.2	
85 Toluene	91	6.682	6.682	0.000	0	2536172	200.0	201.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
86 trans-1,3-Dichloropropene	75	7.029	7.029	0.000	0	907160	200.0	204.9	
87 Ethyl methacrylate	69	7.065	7.065	0.000	0	830064	200.0	211.4	
88 1,1,2-Trichloroethane	83	7.236	7.236	0.000	0	473921	200.0	196.4	
89 Tetrachloroethene	166	7.278	7.278	0.000	0	548899	200.0	207.6	
90 1,3-Dichloropropane	76	7.442	7.442	0.000	0	924436	200.0	206.1	
91 2-Hexanone	58	7.515	7.515	0.000	0	1261742	1000.0	1051.4	
92 n-Butyl acetate	43	7.631	7.631	0.000	0	923113	200.0	192.4	
93 Chlorodibromomethane	129	7.667	7.674	-0.007	0	569929	200.0	211.3	
94 Ethylene Dibromide	107	7.820	7.820	0.000	0	562679	200.0	201.4	
* 95 Chlorobenzene-d5	117	8.361	8.361	0.000	0	367446	50.0	50.0	
96 Chlorobenzene	112	8.397	8.398	-0.001	0	1547809	200.0	206.9	
97 Ethylbenzene	106	8.501	8.507	-0.006	0	838869	200.0	204.2	
98 1,1,1,2-Tetrachloroethane	131	8.519	8.519	0.000	0	587614	200.0	207.8	
99 m-Xylene & p-Xylene	106	8.659	8.659	0.000	0	1028639	200.0	205.2	
100 o-Xylene	106	9.176	9.176	0.000	0	1065712	200.0	207.9	
101 n-Butyl acrylate	73	9.176	9.176	0.000	0	490812	200.0	191.5	
102 Styrene	104	9.213	9.213	0.000	0	1752847	200.0	203.0	
104 Bromoform	173	9.456	9.456	0.000	0	385744	200.0	222.7	
103 Amyl acetate (mixed isomers)	43	9.462	9.462	0.000	0	1059373	200.0	194.4	
105 Isopropylbenzene	105	9.614	9.614	0.000	0	2529136	200.0	204.7	
$ 106 4-Bromofluorobenzene	174	9.833	9.833	0.000	0	150410	50.0	52.5	
107 Bromobenzene	156	9.979	9.979	0.000	0	636963	200.0	215.6	
108 1,1,2,2-Tetrachloroethane	83	10.046	10.046	0.000	0	729563	200.0	208.2	
109 N-Propylbenzene	91	10.070	10.071	-0.001	0	2779616	200.0	208.8	
110 1,2,3-Trichloropropane	110	10.089	10.095	-0.006	0	205923	200.0	200.3	
111 trans-1,4-Dichloro-2-butene	53	10.119	10.119	0.000	0	193549	200.0	204.7	
112 2-Chlorotoluene	91	10.180	10.180	0.000	0	2034386	200.0	212.2	
113 4-Ethyltoluene	105	10.198	10.198	0.000	0	2278389	200.0	211.9	
114 1,3,5-Trimethylbenzene	105	10.271	10.271	0.000	0	2031698	200.0	215.2	
115 4-Chlorotoluene	91	10.302	10.302	0.000	0	1855074	200.0	204.7	
116 Butyl Methacrylate	87	10.387	10.387	0.000	0	848853	200.0	223.3	
117 tert-Butylbenzene	119	10.575	10.582	-0.007	0	1531218	200.0	218.5	
118 1,2,4-Trimethylbenzene	105	10.642	10.642	0.000	0	2108395	200.0	214.3	
119 sec-Butylbenzene	105	10.794	10.795	-0.001	0	2153708	200.0	213.8	
120 1,3-Dichlorobenzene	146	10.922	10.922	0.000	0	1104029	200.0	211.0	
121 4-Isopropyltoluene	119	10.934	10.934	0.000	0	1848574	200.0	213.5	
* 122 1,4-Dichlorobenzene-d4	152	10.995	10.995	0.000	0	188545	50.0	50.0	
123 1,4-Dichlorobenzene	146	11.013	11.014	-0.001	0	1136647	200.0	208.4	
124 1,2,3-Trimethylbenzene	105	11.044	11.044	0.000	0	2310076	200.0	210.9	
125 Benzyl chloride	126	11.159	11.160	-0.001	0	266345	200.0	194.0	
126 2,3-Dihydroindene	117	11.214	11.214	0.000	0	2223533	200.0	208.5	
127 p-Diethylbenzene	119	11.281	11.281	0.000	0	898671	200.0	202.4	
128 n-Butylbenzene	92	11.305	11.306	-0.001	0	859488	200.0	201.8	
129 1,2-Dichlorobenzene	146	11.354	11.354	0.000	0	1132110	200.0	210.5	
130 1,2,4,5-Tetramethylbenzene	119	11.950	11.950	0.000	0	1790795	200.0	204.2	
131 1,2-Dibromo-3-Chloropropane	157	12.035	12.036	-0.001	0	162650	200.0	203.8	
132 1,3,5-Trichlorobenzene	180	12.151	12.151	0.000	0	651572	200.0	207.9	
133 1,2,4-Trichlorobenzene	180	12.650	12.650	0.000	0	621988	200.0	202.4	
134 Hexachlorobutadiene	225	12.735	12.735	0.000	0	202667	200.0	207.0	
135 Naphthalene	128	12.838	12.839	-0.001	0	1829420	200.0	197.3	
136 1,2,3-Trichlorobenzene	180	13.021	13.021	0.000	0	463164	200.0	214.7	
S 137 1,2-Dichloroethene, Total	100				0		400.0	399.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 138 Xylenes, Total	100				0		400.0	413.1	
S 139 Total BTEX	1				0		1000.0	1021.6	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

ACROLEIN W_00139	Amount Added:	20.00	Units: uL	
8FreonHi_00043	Amount Added:	20.00	Units: uL	
Ethanol mix_00063	Amount Added:	20.00	Units: uL	
MIX 2 Hi_00122	Amount Added:	20.00	Units: uL	
MIX I Hi_00149	Amount Added:	20.00	Units: uL	
GAS Hi_00412	Amount Added:	20.00	Units: uL	
8260ISNEW_00120	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00226	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 20-Apr-2022 21:36:27 Chrom Revision: 2.3 12-Apr-2022 20:29:44

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20220419-144210.b\N48293.D

Injection Date: 19-Apr-2022 14:43:30 Instrument ID: CVOAMS11 Operator ID:

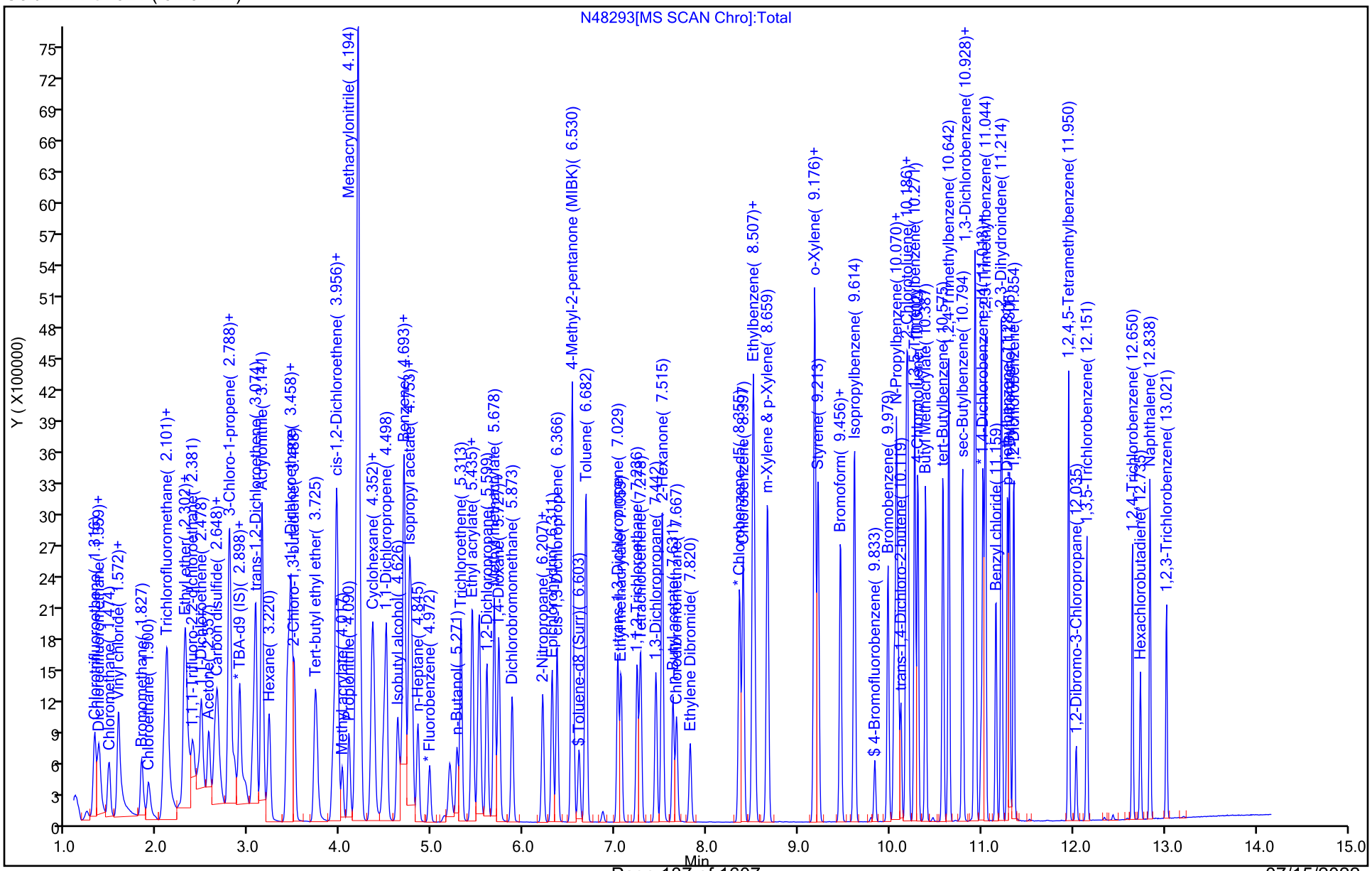
Lims ID: STD200 Worklist Smp#: 8

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 7

Method: 8260W_11 Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)



Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20220419-144210.b\N48294.D
Lims ID: STD500
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 19-Apr-2022 15:05:30 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD500
Misc. Info.: 460-0144210-009
Operator ID: Instrument ID: CVOAMS11
Sublist: chrom-8260W_11*sub8

Method: \\chromfs\Edison\ChromData\CVOAMS11\20220419-144210.b\8260W_11.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 20-Apr-2022 21:36:32 Calib Date: 19-Apr-2022 18:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS11\20220419-144210.b\N48302.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1682

First Level Reviewer: baronm Date: 19-Apr-2022 20:05:00

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
4 Chlorotrifluoroethene	116	1.322	1.335	-0.013	51	677896	500.0	469.6	
5 Dichlorodifluoromethane	85	1.353	1.353	0.000	0	2366394	500.0	499.1	
6 Chlorodifluoromethane	51	1.371	1.377	-0.006	0	1964417	500.0	521.3	
7 Chloromethane	52	1.481	1.468	0.013	0	597357	500.0	560.2	
8 Vinyl chloride	62	1.578	1.578	0.000	0	1994516	500.0	533.1	
9 Butadiene	54	1.584	1.590	-0.006	0	1554874	500.0	508.3	
10 Bromomethane	94	1.834	1.833	0.001	0	1017871	500.0	433.2	
11 Chloroethane	64	1.907	1.913	-0.007	0	954270	500.0	447.4	
13 Trichlorofluoromethane	101	2.089	2.083	0.006	0	2092653	500.0	545.2	
12 Dichlorofluoromethane	67	2.083	2.089	-0.006	0	2838987	500.0	520.9	
14 Pentane	72	2.107	2.119	-0.012	0	318534	1000.0	573.5	
15 Ethanol	46	2.284	2.265	0.019	0	376210	20000	16359	
16 Ethyl ether	74	2.290	2.296	-0.006	0	854155	500.0	447.1	
17 2-Methyl-1,3-butadiene	53	2.308	2.320	-0.012	0	986611	500.0	429.3	
18 1,2-Dichloro-1,1,2-trifluoroetha	117	2.338	2.344	-0.006	0	1200796	500.0	491.5	
19 1,1,1-Trifluoro-2,2-dichloroetha	83	2.393	2.399	-0.006	93	1942876	500.0	500.0	a
20 Acrolein	56	2.448	2.454	-0.006	0	113131	405.6	272.1	
21 112TCTFE	101	2.460	2.466	-0.006	0	642570	500.0	422.9	
22 1,1-Dichloroethene	96	2.491	2.490	0.001	0	1420233	500.0	520.9	
23 Acetone	58	2.564	2.570	-0.006	0	918909	2500.0	2535.1	
24 Iodomethane	142	2.630	2.630	0.000	0	2432709	500.0	482.3	
25 Isopropyl alcohol	45	2.649	2.661	-0.012	99	1008760	5000.0	3962.1	a
26 Carbon disulfide	76	2.661	2.667	-0.006	0	4842524	500.0	473.8	
27 3-Chloro-1-propene	76	2.783	2.789	-0.006	0	1611253	500.0	541.8	
28 Methyl acetate	74	2.789	2.795	-0.006	0	553882	1000.0	655.2	
29 Cyclopentene	67	2.801	2.807	-0.006	0	3308797	500.0	434.0	
30 Acetonitrile	41	2.843	2.849	-0.006	99	2195089	5000.0	3704.9	a
* 31 TBA-d9 (IS)	66	2.898	2.898	0.000	0	62715	1000.0	1000.0	
32 Methylene Chloride	84	2.904	2.910	-0.006	0	1670772	500.0	466.1	
33 2-Methyl-2-propanol	59	2.965	2.959	0.006	98	1791432	5000.0	3774.2	a

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
34 Methyl tert-butyl ether	73	3.056	3.056	0.000	0	3848385	500.0	450.8	
35 trans-1,2-Dichloroethene	96	3.081	3.081	0.000	0	1492254	500.0	452.8	
36 Acrylonitrile	53	3.148	3.147	0.001	0	6188484	5000.0	3305.9	
37 Hexane	56	3.221	3.227	-0.006	0	690920	500.0	412.7	
38 Isopropyl ether	45	3.427	3.427	0.000	0	4512107	500.0	432.9	
39 1,1-Dichloroethane	63	3.458	3.458	0.000	0	2691011	500.0	448.7	
40 Vinyl acetate	86	3.470	3.470	0.000	0	530984	1000.0	968.9	
41 2-Chloro-1,3-butadiene	88	3.500	3.500	0.000	0	1344045	500.0	464.8	
42 Tert-butyl ethyl ether	59	3.732	3.732	0.000	0	3880162	500.0	423.0	
* 43 2-Butanone-d5	46	3.914	3.914	0.000	0	338248	250.0	250.0	
44 2,2-Dichloropropane	79	3.932	3.932	0.000	0	451492	500.0	440.0	
45 cis-1,2-Dichloroethene	96	3.951	3.957	-0.006	0	1670682	500.0	444.5	
46 2-Butanone (MEK)	72	3.969	3.969	0.000	0	1011757	2500.0	2361.8	
47 Ethyl acetate	70	3.969	3.969	0.000	0	348966	1000.0	888.6	
48 Methyl acrylate	55	4.024	4.024	0.000	0	1328068	500.0	464.9	
49 Propionitrile	54	4.097	4.097	0.000	0	2362664	5000.0	3761.6	
50 Tetrahydrofuran	72	4.164	4.163	0.001	0	430074	1000.0	882.7	
51 Chlorobromomethane	128	4.170	4.170	0.000	0	815949	500.0	452.9	
52 Methacrylonitrile	67	4.200	4.194	0.006	0	6578302	5000.0	4489.6	
53 Chloroform	83	4.224	4.224	0.000	0	2543109	500.0	456.7	
54 Cyclohexane	84	4.346	4.346	0.000	0	1515989	500.0	420.5	
55 1,1,1-Trichloroethane	97	4.358	4.364	-0.006	0	1816654	500.0	444.9	
$ 56 Dibromofluoromethane (Surr)	113	4.370	4.376	-0.006	0	128154	50.0	48.4	
57 Carbon tetrachloride	117	4.474	4.480	-0.006	0	1654469	500.0	472.9	
58 1,1-Dichloropropene	75	4.504	4.504	0.000	0	2050784	500.0	478.3	
59 Isobutyl alcohol	43	4.626	4.626	0.000	0	1995084	12500	9043.4	
60 Isooctane	57	4.675	4.662	0.013	90	1283606	500.0	500.1	a
61 Benzene	78	4.693	4.693	0.000	0	6189160	500.0	448.7	
$ 62 1,2-Dichloroethane-d4 (Surr)	65	4.711	4.711	0.000	0	148121	50.0	50.0	
64 Isopropyl acetate	43	4.754	4.754	0.000	0	3835119	500.0	443.7	
63 Tert-amyl methyl ether	73	4.766	4.760	0.006	0	3941572	500.0	421.1	
65 1,2-Dichloroethane	62	4.784	4.784	0.000	0	1830149	500.0	451.8	
66 n-Heptane	57	4.845	4.845	0.000	0	576658	500.0	462.9	
* 67 Fluorobenzene	96	4.973	4.979	-0.006	0	544639	50.0	50.0	
68 n-Butanol	56	5.277	5.277	0.000	0	1199177	12500	10224	
69 Trichloroethene	95	5.319	5.319	0.000	0	1550344	500.0	464.9	
70 Ethyl acrylate	99	5.441	5.441	0.000	0	199496	500.0	440.0	
71 Methylcyclohexane	83	5.441	5.441	0.000	0	1505977	500.0	381.2	
72 1,2-Dichloropropane	63	5.599	5.599	0.000	0	1564262	500.0	471.0	
* 73 1,4-Dioxane-d8	96	5.654	5.654	0.000	0	28111	1000.0	1000.0	
74 Methyl methacrylate	100	5.684	5.684	0.000	0	836383	1000.0	930.5	
75 1,4-Dioxane	88	5.709	5.703	0.006	0	381675	10000	9921.2	
76 Dibromomethane	93	5.727	5.727	0.000	0	951635	500.0	464.3	
77 n-Propyl acetate	43	5.733	5.739	-0.006	0	2146892	500.0	441.0	
78 Dichlorobromomethane	83	5.879	5.873	0.006	0	2010194	500.0	490.7	
79 2-Nitropropane	41	6.208	6.208	0.000	0	792821	1000.0	919.4	
80 2-Chloroethyl vinyl ether	63	6.214	6.214	0.000	0	863951	501.2	471.7	
81 Epichlorohydrin	57	6.317	6.311	0.006	0	3286881	10000	10039	
82 cis-1,3-Dichloropropene	75	6.366	6.366	0.000	0	2499451	500.0	450.2	
83 4-Methyl-2-pentanone (MIBK)	43	6.536	6.530	0.006	0	7506746	2500.0	2279.3	
$ 84 Toluene-d8 (Surr)	98	6.609	6.609	0.000	0	511138	50.0	46.6	
85 Toluene	91	6.682	6.682	0.000	0	6299058	500.0	453.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
86 trans-1,3-Dichloropropene	75	7.029	7.029	0.000	0	2243836	500.0	458.2	
87 Ethyl methacrylate	69	7.065	7.065	0.000	0	2034586	500.0	481.3	
88 1,1,2-Trichloroethane	83	7.242	7.236	0.006	0	1166109	500.0	437.0	
89 Tetrachloroethene	166	7.278	7.278	0.000	0	1350444	500.0	461.8	
90 1,3-Dichloropropane	76	7.449	7.442	0.007	0	2282363	500.0	460.1	
91 2-Hexanone	58	7.516	7.515	0.001	0	3003765	2500.0	2364.1	
92 n-Butyl acetate	43	7.631	7.631	0.000	0	2202713	500.0	415.1	
93 Chlorodibromomethane	129	7.674	7.674	0.000	0	1442364	500.0	483.6	
94 Ethylene Dibromide	107	7.820	7.820	0.000	0	1400579	500.0	453.2	
* 95 Chlorobenzene-d5	117	8.361	8.361	0.000	0	406399	50.0	50.0	
96 Chlorobenzene	112	8.398	8.398	0.000	0	3850388	500.0	465.3	
97 Ethylbenzene	106	8.507	8.507	0.000	0	2100514	500.0	462.3	
98 1,1,1,2-Tetrachloroethane	131	8.519	8.519	0.000	0	1486172	500.0	475.1	
99 m-Xylene & p-Xylene	106	8.665	8.659	0.006	0	2556425	500.0	461.0	
100 o-Xylene	106	9.182	9.176	0.006	0	2599776	500.0	458.6	
101 n-Butyl acrylate	73	9.176	9.176	0.000	0	1185398	500.0	418.2	
102 Styrene	104	9.219	9.213	0.006	0	4341333	500.0	454.5	
104 Bromoform	173	9.456	9.456	0.000	0	973957	500.0	512.0	
103 Amyl acetate (mixed isomers)	43	9.462	9.462	0.000	0	2548264	500.0	425.8	
105 Isopropylbenzene	105	9.614	9.614	0.000	0	6211007	500.0	454.5	
$ 106 4-Bromofluorobenzene	174	9.833	9.833	0.000	0	150919	50.0	47.6	
107 Bromobenzene	156	9.979	9.979	0.000	0	1588499	500.0	489.6	
108 1,1,2,2-Tetrachloroethane	83	10.046	10.046	0.000	0	1842351	500.0	478.8	
109 N-Propylbenzene	91	10.071	10.071	0.000	0	6792047	500.0	464.5	
110 1,2,3-Trichloropropane	110	10.095	10.095	0.000	0	506524	500.0	448.5	
111 trans-1,4-Dichloro-2-butene	53	10.119	10.119	0.000	0	481563	500.0	463.7	
112 2-Chlorotoluene	91	10.180	10.180	0.000	0	5031703	500.0	477.8	
113 4-Ethyltoluene	105	10.198	10.198	0.000	0	5511347	500.0	466.8	
114 1,3,5-Trimethylbenzene	105	10.271	10.271	0.000	0	5023161	500.0	484.5	
115 4-Chlorotoluene	91	10.308	10.302	0.006	0	4671415	500.0	469.2	
116 Butyl Methacrylate	87	10.393	10.387	0.006	0	2095041	500.0	501.7	
117 tert-Butylbenzene	119	10.582	10.582	0.000	0	3829493	500.0	497.5	
118 1,2,4-Trimethylbenzene	105	10.643	10.642	0.001	0	5186264	500.0	479.8	
119 sec-Butylbenzene	105	10.795	10.795	0.000	0	5290845	500.0	478.1	
120 1,3-Dichlorobenzene	146	10.922	10.922	0.000	0	2785917	500.0	484.9	
121 4-Isopropyltoluene	119	10.935	10.934	0.001	0	4577271	500.0	481.4	
* 122 1,4-Dichlorobenzene-d4	152	10.995	10.995	0.000	0	207089	50.0	50.0	
123 1,4-Dichlorobenzene	146	11.020	11.014	0.006	0	2833972	500.0	473.0	
124 1,2,3-Trimethylbenzene	105	11.044	11.044	0.000	0	5655466	500.0	470.1	
125 Benzyl chloride	126	11.160	11.160	0.000	0	642005	500.0	425.8	
126 2,3-Dihydroindene	117	11.220	11.214	0.006	0	5405546	500.0	461.4	
127 p-Diethylbenzene	119	11.287	11.281	0.006	0	2174326	500.0	445.8	
128 n-Butylbenzene	92	11.306	11.306	0.000	0	2070602	500.0	442.7	
129 1,2-Dichlorobenzene	146	11.354	11.354	0.000	0	2804120	500.0	474.8	
130 1,2,4,5-Tetramethylbenzene	119	11.950	11.950	0.000	0	4372480	500.0	454.0	
131 1,2-Dibromo-3-Chloropropane	157	12.036	12.036	0.000	0	403499	500.0	460.4	
132 1,3,5-Trichlorobenzene	180	12.151	12.151	0.000	0	1572148	500.0	456.6	
133 1,2,4-Trichlorobenzene	180	12.650	12.650	0.000	0	1511102	500.0	447.7	
134 Hexachlorobutadiene	225	12.735	12.735	0.000	0	505034	500.0	469.6	
135 Naphthalene	128	12.839	12.839	0.000	0	4551090	500.0	446.9	
136 1,2,3-Trichlorobenzene	180	13.021	13.021	0.000	0	1178949	500.0	498.2	
S 137 1,2-Dichloroethene, Total	100				0		1000.0	897.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 138 Xylenes, Total	100				0		1000.0	919.6	
S 139 Total BTEX	1				0		2500.0	2283.6	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

GAS Hi_00412	Amount Added:	50.00	Units: uL	
MIX 2 Hi_00122	Amount Added:	50.00	Units: uL	
MIX I Hi_00149	Amount Added:	50.00	Units: uL	
Ethanol mix_00063	Amount Added:	50.00	Units: uL	
ACROLEIN W_00139	Amount Added:	40.00	Units: uL	
8FreonHi_00043	Amount Added:	50.00	Units: uL	
8260ISNEW_00120	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00226	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 20-Apr-2022 21:36:33 Chrom Revision: 2.3 12-Apr-2022 20:29:44

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20220419-144210.b\N48294.D

Injection Date: 19-Apr-2022 15:05:30 Instrument ID: CVOAMS11 Operator ID:

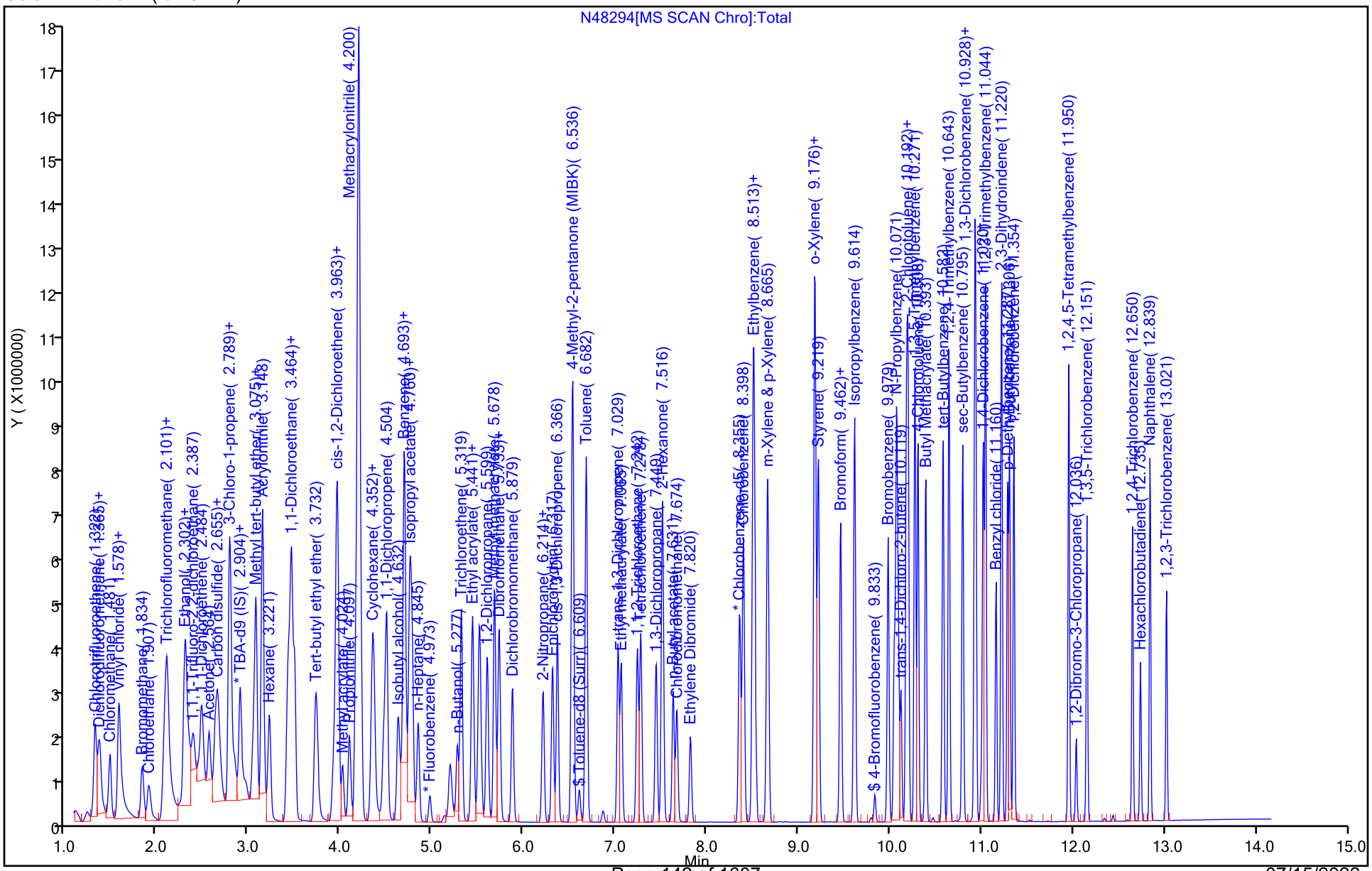
Lims ID: STD500 Worklist Smp#: 9

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 8

Method: 8260W_11 Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)



Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20220419-144210.b\N48302.D
Lims ID: STD1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 19-Apr-2022 18:09:30 ALS Bottle#: 16 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD1
Misc. Info.: 460-0144210-018
Operator ID: Instrument ID: CVOAMS11
Sublist: chrom-8260W_11*sub8

Method: \\chromfs\Edison\ChromData\CVOAMS11\20220419-144210.b\8260W_11.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 20-Apr-2022 21:36:37 Calib Date: 19-Apr-2022 18:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS11\20220419-144210.b\N48302.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1682

First Level Reviewer: baronm Date: 19-Apr-2022 20:07:51

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
4 Chlorotrifluoroethene	116	1.310	1.335	-0.025	0	1389	1.00	1.04	
5 Dichlorodifluoromethane	85	1.347	1.353	-0.006	29	1662	1.00	0.3755	M
6 Chlorodifluoromethane	51	1.359	1.377	-0.018	0	2886	1.00	0.8270	
7 Chloromethane	52	1.450	1.468	-0.018	98	934	1.00	0.9379	M
8 Vinyl chloride	62	1.566	1.578	-0.012	0	3113	1.00	0.8985	
9 Butadiene	54	1.578	1.590	-0.012	64	1065	1.00	1.01	M
10 Bromomethane	94	1.821	1.833	-0.012	78	2390	1.00	1.10	a
11 Chloroethane	64	1.900	1.913	-0.013	0	2246	1.00	1.14	
13 Trichlorofluoromethane	101	2.064	2.083	-0.019	0	2777	1.00	0.7812	
12 Dichlorofluoromethane	67	2.070	2.089	-0.019	0	4596	1.00	0.9106	
14 Pentane	72	2.113	2.119	-0.006	0	1006	2.00	2.61	
16 Ethyl ether	74	2.289	2.296	-0.007	0	1898	1.00	1.07	
17 2-Methyl-1,3-butadiene	53	2.308	2.320	-0.012	0	1656	1.00	0.7782	
18 1,2-Dichloro-1,1,2-trifluoroetha	117	2.332	2.344	-0.012	69	2214	1.00	0.9785	a
19 1,1,1-Trifluoro-2,2-dichloroetha	83	2.381	2.399	-0.018	51	3365	1.00	0.9351	a
20 Acrolein	56	2.454	2.454	0.000	26	1801	4.06	4.02	M
21 112TCTFE	101	2.448	2.466	-0.018	0	1660	1.00	1.18	
22 1,1-Dichloroethene	96	2.484	2.490	-0.006	0	2596	1.00	1.03	
23 Acetone	58	2.569	2.570	-0.001	0	2874	5.00	4.99	
24 Iodomethane	142	2.624	2.630	-0.006	0	4812	1.00	1.03	
25 Isopropyl alcohol	45	2.667	2.661	0.006	30	1495	10.0	8.47	Ma
26 Carbon disulfide	76	2.655	2.667	-0.013	0	10055	1.00	1.06	
27 3-Chloro-1-propene	76	2.776	2.789	-0.013	0	2779	1.00	1.01	
28 Methyl acetate	74	2.782	2.795	-0.013	0	1449	2.00	2.47	
29 Cyclopentene	67	2.801	2.807	-0.007	0	7151	1.00	1.01	
30 Acetonitrile	41	2.849	2.849	0.000	20	3787	10.0	9.22	a
* 31 TBA-d9 (IS)	66	2.892	2.898	-0.006	0	43459	1000.0	1000.0	
32 Methylene Chloride	84	2.898	2.910	-0.012	0	3580	1.00	1.08	
33 2-Methyl-2-propanol	59	2.953	2.959	-0.006	24	3281	10.0	9.98	a
34 Methyl tert-butyl ether	73	3.050	3.056	-0.006	0	8599	1.00	1.09	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
35 trans-1,2-Dichloroethene	96	3.074	3.081	-0.007	0	3013	1.00	0.9872	
36 Acrylonitrile	53	3.141	3.147	-0.006	0	12684	10.0	9.78	
37 Hexane	56	3.208	3.227	-0.019	0	2048	1.00	1.32	
38 Isopropyl ether	45	3.421	3.427	-0.006	0	10259	1.00	1.06	
39 1,1-Dichloroethane	63	3.445	3.458	-0.013	0	5743	1.00	1.03	
40 Vinyl acetate	86	3.464	3.470	-0.006	0	1309	2.00	2.56	
41 2-Chloro-1,3-butadiene	88	3.500	3.500	0.000	0	2594	1.00	0.9687	
42 Tert-butyl ethyl ether	59	3.725	3.732	-0.007	0	9068	1.00	1.07	
* 43 2-Butanone-d5	46	3.908	3.914	-0.006	0	315893	250.0	250.0	
44 2,2-Dichloropropane	79	3.908	3.932	-0.024	0	666	1.00	0.7008	
45 cis-1,2-Dichloroethene	96	3.950	3.957	-0.007	0	4237	1.00	1.22	
46 2-Butanone (MEK)	72	3.969	3.969	0.000	0	2349	5.00	5.87	
47 Ethyl acetate	70	3.975	3.969	0.006	0	743	2.00	2.03	
48 Methyl acrylate	55	4.017	4.024	-0.007	0	2355	1.00	0.8903	
49 Propionitrile	54	4.096	4.097	-0.001	0	4074	10.0	9.36	
50 Tetrahydrofuran	72	4.163	4.163	0.000	0	1045	2.00	2.30	
51 Chlorobromomethane	128	4.175	4.170	0.005	0	1819	1.00	1.09	
52 Methacrylonitrile	67	4.188	4.194	-0.006	0	13643	10.0	10.1	
53 Chloroform	83	4.218	4.224	-0.006	0	5292	1.00	1.03	
54 Cyclohexane	84	4.340	4.346	-0.006	0	3395	1.00	1.02	
55 1,1,1-Trichloroethane	97	4.364	4.364	0.000	0	3847	1.00	1.02	
$ 56 Dibromofluoromethane (Surr)	113	4.370	4.376	-0.006	0	116673	50.0	47.6	
57 Carbon tetrachloride	117	4.467	4.480	-0.013	0	3124	1.00	0.9642	
58 1,1-Dichloropropene	75	4.498	4.504	-0.006	0	3821	1.00	0.9623	
59 Isobutyl alcohol	43	4.638	4.626	0.012	0	4139	25.0	27.1	
60 Isooctane	57	4.668	4.662	0.006	91	4987	1.00	1.46	a
61 Benzene	78	4.693	4.693	-0.001	0	11535	1.00	1.09	
$ 62 1,2-Dichloroethane-d4 (Surr)	65	4.705	4.711	-0.006	0	132244	50.0	48.2	
64 Isopropyl acetate	43	4.753	4.754	-0.001	0	8038	1.00	1.00	
63 Tert-amyl methyl ether	73	4.753	4.760	-0.007	0	9063	1.00	1.05	
65 1,2-Dichloroethane	62	4.784	4.784	0.000	0	4292	1.00	1.14	
66 n-Heptane	57	4.851	4.845	0.006	0	1314	1.00	1.14	
* 67 Fluorobenzene	96	4.972	4.979	-0.007	0	504361	50.0	50.0	
68 n-Butanol	56	5.295	5.277	0.018	0	1653	25.0	20.3	
69 Trichloroethene	95	5.313	5.319	-0.006	0	3211	1.00	1.04	
70 Ethyl acrylate	99	5.447	5.441	0.006	95	458	1.00	1.09	a
71 Methylcyclohexane	83	5.441	5.441	0.000	0	4801	1.00	1.31	
72 1,2-Dichloropropane	63	5.593	5.599	-0.006	0	3041	1.00	0.9887	
* 73 1,4-Dioxane-d8	96	5.648	5.654	-0.006	0	28942	1000.0	1000.0	
74 Methyl methacrylate	100	5.690	5.684	0.006	0	1710	2.00	2.05	
75 1,4-Dioxane	88	5.715	5.703	0.012	0	2061	50.0	52.0	
76 Dibromomethane	93	5.727	5.727	0.000	0	2086	1.00	1.10	
77 n-Propyl acetate	43	5.739	5.739	0.000	0	5140	1.00	1.14	
78 Dichlorobromomethane	83	5.873	5.873	0.000	0	3833	1.00	1.01	
79 2-Nitropropane	41	6.207	6.208	-0.001	0	2651	2.00	2.02	
80 2-Chloroethyl vinyl ether	63	6.213	6.214	-0.001	0	1788	1.00	1.05	
81 Epichlorohydrin	57	6.311	6.311	0.000	0	6043	20.0	16.5	
82 cis-1,3-Dichloropropene	75	6.365	6.366	-0.001	0	4937	1.00	1.15	
83 4-Methyl-2-pentanone (MIBK)	43	6.530	6.530	0.000	0	16036	5.00	5.21	
$ 84 Toluene-d8 (Surr)	98	6.603	6.609	-0.006	0	442144	50.0	52.3	
85 Toluene	91	6.676	6.682	-0.006	0	11945	1.00	1.11	
86 trans-1,3-Dichloropropene	75	7.023	7.029	-0.006	0	4088	1.00	1.08	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
87 Ethyl methacrylate	69	7.059	7.065	-0.006	0	3578	1.00	0.9139	
88 1,1,2-Trichloroethane	83	7.235	7.236	-0.001	0	2653	1.00	1.29	
89 Tetrachloroethene	166	7.278	7.278	0.000	0	2371	1.00	1.05	
90 1,3-Dichloropropane	76	7.442	7.442	0.000	0	4135	1.00	1.08	
91 2-Hexanone	58	7.515	7.515	0.000	0	5800	5.00	4.89	
92 n-Butyl acetate	43	7.637	7.631	0.006	0	4773	1.00	1.17	
93 Chlorodibromomethane	129	7.667	7.674	-0.007	0	2334	1.00	1.02	
94 Ethylene Dibromide	107	7.813	7.820	-0.007	0	2778	1.00	1.17	
* 95 Chlorobenzene-d5	117	8.361	8.361	0.000	0	313187	50.0	50.0	
96 Chlorobenzene	112	8.391	8.398	-0.007	0	6671	1.00	1.05	
97 Ethylbenzene	106	8.507	8.507	0.000	0	3704	1.00	1.06	
98 1,1,1,2-Tetrachloroethane	131	8.525	8.519	0.006	39	2423	1.00	1.01	M
99 m-Xylene & p-Xylene	106	8.665	8.659	0.006	0	4362	1.00	1.02	
100 o-Xylene	106	9.176	9.176	0.000	0	4608	1.00	1.05	
101 n-Butyl acrylate	73	9.176	9.176	0.000	0	2720	1.00	1.25	
102 Styrene	104	9.213	9.213	0.000	0	7918	1.00	1.08	
104 Bromoform	173	9.462	9.456	0.006	0	1383	1.00	0.9124	
103 Amyl acetate (mixed isomers)	43	9.462	9.462	0.000	0	6054	1.00	1.27	
105 Isopropylbenzene	105	9.608	9.614	-0.006	0	11582	1.00	1.10	
$ 106 4-Bromofluorobenzene	174	9.833	9.833	0.000	0	109880	50.0	45.0	
107 Bromobenzene	156	9.985	9.979	0.006	0	2467	1.00	0.9543	
108 1,1,2,2-Tetrachloroethane	83	10.040	10.046	-0.006	0	3321	1.00	1.08	
109 N-Propylbenzene	91	10.070	10.071	-0.001	0	13076	1.00	1.12	
110 1,2,3-Trichloropropane	110	10.089	10.095	-0.006	0	1085	1.00	1.21	
111 trans-1,4-Dichloro-2-butene	53	10.119	10.119	0.000	0	1024	1.00	1.24	
112 2-Chlorotoluene	91	10.180	10.180	0.000	0	8861	1.00	1.06	
113 4-Ethyltoluene	105	10.192	10.198	-0.006	0	9923	1.00	1.05	
114 1,3,5-Trimethylbenzene	105	10.271	10.271	0.000	0	8573	1.00	1.04	
115 4-Chlorotoluene	91	10.302	10.302	0.000	0	9048	1.00	1.14	
116 Butyl Methacrylate	87	10.387	10.387	0.000	0	3054	1.00	0.9180	
117 tert-Butylbenzene	119	10.581	10.582	-0.001	0	6305	1.00	1.03	
118 1,2,4-Trimethylbenzene	105	10.642	10.642	0.000	0	8833	1.00	1.03	
119 sec-Butylbenzene	105	10.788	10.795	-0.007	0	9446	1.00	1.07	
120 1,3-Dichlorobenzene	146	10.922	10.922	0.000	0	4586	1.00	1.00	
121 4-Isopropyltoluene	119	10.934	10.934	0.000	0	8101	1.00	1.07	
* 122 1,4-Dichlorobenzene-d4	152	10.995	10.995	0.000	0	165005	50.0	50.0	
123 1,4-Dichlorobenzene	146	11.013	11.014	-0.001	0	5165	1.00	1.08	
124 1,2,3-Trimethylbenzene	105	11.044	11.044	0.000	0	10458	1.00	1.09	
125 Benzyl chloride	126	11.153	11.160	-0.007	0	1586	1.00	1.32	
126 2,3-Dihydroindene	117	11.214	11.214	0.000	0	10072	1.00	1.08	
127 p-Diethylbenzene	119	11.281	11.281	0.000	0	4749	1.00	1.22	
128 n-Butylbenzene	92	11.305	11.306	-0.001	0	4593	1.00	1.23	
129 1,2-Dichlorobenzene	146	11.354	11.354	0.000	0	5049	1.00	1.07	
130 1,2,4,5-Tetramethylbenzene	119	11.950	11.950	0.000	0	9671	1.00	1.26	
131 1,2-Dibromo-3-Chloropropane	157	12.029	12.036	-0.007	0	756	1.00	1.08	
132 1,3,5-Trichlorobenzene	180	12.151	12.151	0.000	0	3026	1.00	1.10	
133 1,2,4-Trichlorobenzene	180	12.650	12.650	0.000	0	3546	1.00	1.32	
134 Hexachlorobutadiene	225	12.735	12.735	0.000	0	1074	1.00	1.25	
135 Naphthalene	128	12.838	12.839	-0.001	0	11212	1.00	1.38	
136 1,2,3-Trichlorobenzene	180	13.021	13.021	0.000	0	3016	1.00	1.01	
S 137 1,2-Dichloroethene, Total	100				0		2.00	2.20	
S 138 Xylenes, Total	100				0		2.00	2.08	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 139 Total BTEX	1				0		5.00	5.33	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

8260MIX1COMB_00153	Amount Added:	10.00	Units: uL	
ACROLEIN W_00139	Amount Added:	4.00	Units: uL	
524freon_00050	Amount Added:	10.00	Units: uL	
14DIOXINTER_00140	Amount Added:	30.00	Units: uL	
GASES Li_00472	Amount Added:	10.00	Units: uL	
8260ISNEW_00120	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00226	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 20-Apr-2022 21:36:39 Chrom Revision: 2.3 12-Apr-2022 20:29:44

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20220419-144210.b\N48302.D

Injection Date: 19-Apr-2022 18:09:30 Instrument ID: CVOAMS11 Operator ID:

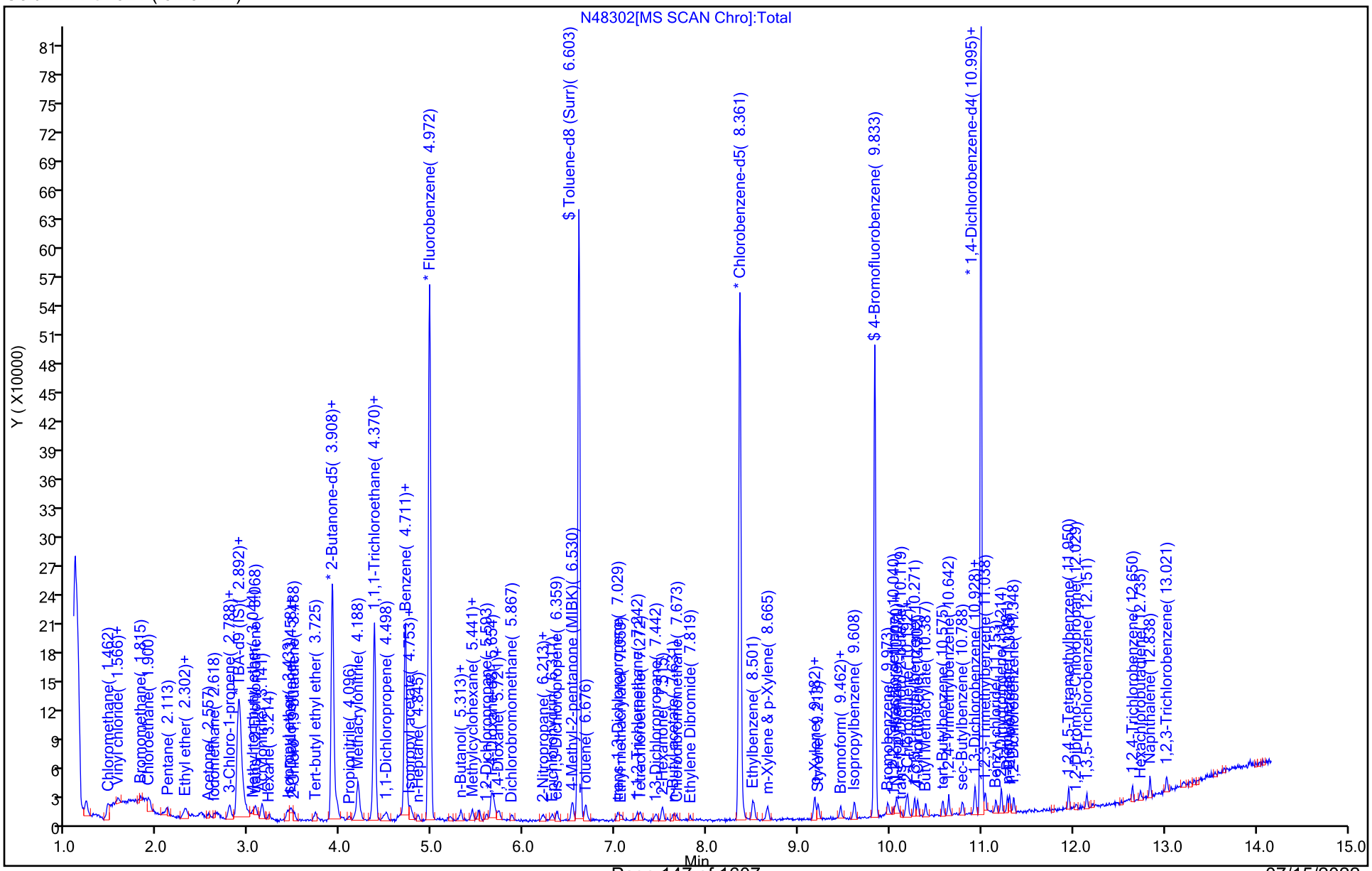
Lims ID: STD1 Worklist Smp#: 18

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 16

Method: 8260W_11 Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-260852-1

SDG No.:

Lab Sample ID: ICV 460-839936/17 Calibration Date: 04/19/2022 18:32

Instrument ID: CVOAMS11 Calib Start Date: 04/19/2022 12:16

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 04/19/2022 18:09

Lab File ID: N48303.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlorotrifluoroethene	Ave	0.1325	0.1242		18.7	20.0	-6.3	30.0
Dichlorodifluoromethane	QuaF		0.3794	0.1000	17.3	20.0	-13.5	30.0
Chloromethane	Ave	0.7881	0.7740	0.1000	19.6	20.0	-1.8	30.0
Vinyl chloride	Ave	0.3435	0.3535	0.1000	20.6	20.0	2.9	30.0
Butadiene	Lin2		0.2070		15.4	20.0	-23.2	30.0
Bromomethane	Ave	0.2157	0.2285	0.1000	21.2	20.0	5.9	30.0
Chloroethane	Ave	0.1958	0.1807	0.1000	18.5	20.0	-7.7	30.0
Trichlorofluoromethane	Ave	0.3524	0.3494	0.1000	19.8	20.0	-0.8	30.0
Dichlorofluoromethane	Ave	0.5003	0.5273		21.1	20.0	5.4	30.0
Pentane	Ave	8.856	8.299		37.5	40.0	-6.3	30.0
Ethanol	Ave	0.3667	0.2765		603	800	-24.6	30.0
Ethyl ether	Ave	0.1754	0.1829		20.9	20.0	4.3	30.0
2-Methyl-1,3-butadiene	Ave	0.2110	0.2486		23.6	20.0	17.8	30.0
1,2-Dichloro-1,1,2-trifluoro ethane	Ave	0.2243	0.2269		20.2	20.0	1.2	30.0
Acrolein	Lin2		5.028		28.3	40.1	-29.2	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.1395	0.1715	0.1000	24.6	20.0	22.9	30.0
1,1-Dichloroethene	Ave	0.2503	0.2524	0.1000	20.2	20.0	0.8	30.0
Acetone	Lin2		0.2407	0.0500	86.5	100	-13.5	30.0
Iodomethane	Ave	0.4631	0.4695		20.3	20.0	1.4	30.0
Isopropyl alcohol	Ave	4.060	4.427		218	200	9.1	30.0
Carbon disulfide	Ave	0.9384	0.9214	0.1000	19.6	20.0	-1.8	30.0
3-Chloro-1-propene	Ave	0.2730	0.1959		14.3	20.0	-28.3	30.0
Acetonitrile	Ave	9.447	11.51		244	200	21.9	30.0
Cyclopentene	Ave	0.6999	0.6972		19.9	20.0	-0.4	30.0
Methyl acetate	Ave	13.48	13.04	0.1000	38.7	40.0	-3.3	30.0
Methylene Chloride	Ave	0.3291	0.3214	0.1000	19.5	20.0	-2.3	30.0
2-Methyl-2-propanol	Ave	7.568	7.276		192	200	-3.9	30.0
Methyl tert-butyl ether	Ave	0.7838	0.8081	0.1000	20.6	20.0	3.1	30.0
trans-1,2-Dichloroethene	Ave	0.3026	0.3021	0.1000	20.0	20.0	-0.1	30.0
Acrylonitrile	Ave	29.85	28.33		190	200	-5.1	30.0
Hexane	Ave	0.1537	0.1383		18.0	20.0	-10.0	30.0
Isopropyl ether	Ave	0.9569	0.9593		20.1	20.0	0.3	30.0
1,1-Dichloroethane	Ave	0.5506	0.5418	0.2000	19.7	20.0	-1.6	30.0
Vinyl acetate	Ave	0.4051	0.2275		22.5	40.0	-43.8*	30.0
2-Chloro-1,3-butadiene	Ave	0.2655	0.2647		19.9	20.0	-0.3	30.0
Tert-butyl ethyl ether	Ave	0.8421	0.8688		20.6	20.0	3.2	30.0
2,2-Dichloropropane	Ave	0.0942	0.0962		20.4	20.0	2.1	30.0
cis-1,2-Dichloroethene	Ave	0.3450	0.3316	0.1000	19.2	20.0	-3.9	30.0
2-Butanone (MEK)	Ave	0.3166	0.2873	0.0500	90.7	100	-9.3	30.0
Ethyl acetate	Ave	0.2903	0.2779		38.3	40.0	-4.3	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-260852-1

SDG No.:

Lab Sample ID: ICV 460-839936/17 Calibration Date: 04/19/2022 18:32

Instrument ID: CVOAMS11 Calib Start Date: 04/19/2022 12:16

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 04/19/2022 18:09

Lab File ID: N48303.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propionitrile	Ave	10.02	10.84		216	200	8.2	30.0
Tetrahydrofuran	Ave	0.3601	0.3181		35.3	40.0	-11.7	30.0
Chlorobromomethane	Ave	0.1654	0.1572		19.0	20.0	-5.0	30.0
Methacrylonitrile	Ave	0.1345	0.1388		206	200	3.2	30.0
Chloroform	Ave	0.5112	0.5147	0.2000	20.1	20.0	0.7	30.0
Cyclohexane	Ave	0.3310	0.3472	0.1000	21.0	20.0	4.9	30.0
1,1,1-Trichloroethane	Ave	0.3748	0.3760	0.1000	20.1	20.0	0.3	30.0
Carbon tetrachloride	Ave	0.3212	0.3253	0.1000	20.3	20.0	1.3	30.0
1,1-Dichloropropene	Ave	0.3936	0.3981		20.2	20.0	1.1	30.0
Isobutyl alcohol	Ave	3.518	3.840		546	500	9.1	30.0
Benzene	Ave	1.697	1.725	0.5000	20.3	20.0	1.7	30.0
Isopropyl acetate	Ave	0.7934	0.8776		22.1	20.0	10.6	30.0
Tert-amyl methyl ether	Ave	0.8592	0.8932		20.8	20.0	4.0	30.0
1,2-Dichloroethane	Ave	0.3719	0.3772	0.1000	20.3	20.0	1.4	30.0
n-Heptane	Ave	0.1144	0.1068		18.7	20.0	-6.6	30.0
n-Butanol	Ave	1.870	1.853		495	500	-0.9	30.0
Trichloroethene	Ave	0.3061	0.2944	0.2000	19.2	20.0	-3.8	30.0
Ethyl acrylate	Ave	0.0416	0.0414		19.9	20.0	-0.5	30.0
Methylcyclohexane	Ave	0.3627	0.3493	0.1000	19.3	20.0	-3.7	30.0
1,2-Dichloropropane	Ave	0.3049	0.2941	0.1000	19.3	20.0	-3.6	30.0
Methyl methacrylate	Ave	0.0825	0.0773		37.5	40.0	-6.3	30.0
1,4-Dioxane	Ave	1.369	1.162		340	400	-15.1	30.0
Dibromomethane	Ave	0.1881	0.1788		19.0	20.0	-5.0	30.0
n-Propyl acetate	Ave	0.4469	0.4583		20.5	20.0	2.5	30.0
Dichlorobromomethane	Ave	0.3761	0.3679	0.2000	19.6	20.0	-2.2	30.0
2-Nitropropane	Qua2		18.31		39.8	40.0	-0.4	30.0
2-Chloroethyl vinyl ether	Ave	0.1682	0.1734		20.6	20.0	3.1	30.0
Epichlorohydrin	Lin2		0.2231		15.2	20.0	-23.9	30.0
cis-1,3-Dichloropropene	Ave	0.6830	0.6505	0.2000	19.0	20.0	-4.8	30.0
4-Methyl-2-pentanone (MIBK)	Ave	2.434	2.384	0.0500	98.0	100	-2.0	30.0
Toluene	Ave	1.711	1.671	0.4000	19.5	20.0	-2.3	30.0
trans-1,3-Dichloropropene	Ave	0.6025	0.6178	0.1000	20.5	20.0	2.5	30.0
Ethyl methacrylate	Ave	0.3881	0.3753		19.3	20.0	-3.3	30.0
1,1,2-Trichloroethane	Ave	0.3283	0.3191	0.1000	19.4	20.0	-2.8	30.0
Tetrachloroethene	Ave	0.3598	0.3200	0.2000	17.8	20.0	-11.1	30.0
1,3-Dichloropropane	Ave	0.6102	0.6298		20.6	20.0	3.2	30.0
2-Hexanone	Ave	0.9391	0.8760	0.0500	93.3	100	-6.7	30.0
n-Butyl acetate	Ave	0.6528	0.7350		22.5	20.0	12.6	30.0
Chlorodibromomethane	Ave	0.3670	0.3474	0.1000	18.9	20.0	-5.4	30.0
Ethylene Dibromide	Ave	0.3802	0.3698	0.1000	19.5	20.0	-2.7	30.0
Chlorobenzene	Ave	1.018	0.9572	0.5000	18.8	20.0	-6.0	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-260852-1

SDG No.:

Lab Sample ID: ICV 460-839936/17 Calibration Date: 04/19/2022 18:32

Instrument ID: CVOAMS11 Calib Start Date: 04/19/2022 12:16

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 04/19/2022 18:09

Lab File ID: N48303.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Ethylbenzene	Ave	0.5590	0.5318	0.1000	19.0	20.0	-4.9	30.0
1,1,1,2-Tetrachloroethane	Ave	0.3849	0.3577		18.6	20.0	-7.1	30.0
m-Xylene & p-Xylene	Ave	0.6822	0.6578	0.1000	19.3	20.0	-3.6	30.0
n-Butyl acrylate	Ave	0.3487	0.3538		20.3	20.0	1.4	30.0
o-Xylene	Ave	0.6975	0.6792	0.3000	19.5	20.0	-2.6	30.0
Styrene	Ave	1.175	1.097	0.3000	18.7	20.0	-6.7	30.0
Bromoform	Ave	0.4593	0.4161	0.1000	18.1	20.0	-9.4	30.0
Amyl acetate (mixed isomers)	Ave	1.445	1.618		22.4	20.0	12.0	30.0
Isopropylbenzene	Ave	1.681	1.619	0.1000	19.3	20.0	-3.7	30.0
Bromobenzene	Ave	0.7833	0.7466		19.1	20.0	-4.7	30.0
1,1,2,2-Tetrachloroethane	Ave	0.9291	0.9294	0.3000	20.0	20.0	0.0	30.0
N-Propylbenzene	Ave	3.531	3.563		20.2	20.0	0.9	30.0
1,2,3-Trichloropropane	Ave	0.2727	0.2785		20.4	20.0	2.1	30.0
trans-1,4-Dichloro-2-butene	Ave	0.2507	0.2638		21.0	20.0	5.2	30.0
2-Chlorotoluene	Ave	2.543	2.665		21.0	20.0	4.8	30.0
4-Ethyltoluene	Ave	2.851	2.947		20.7	20.0	3.4	30.0
1,3,5-Trimethylbenzene	Ave	2.503	2.524		20.2	20.0	0.8	30.0
4-Chlorotoluene	Ave	2.404	2.402		20.0	20.0	-0.0	30.0
Butyl Methacrylate	Ave	1.008	1.026		20.3	20.0	1.7	30.0
tert-Butylbenzene	Ave	1.859	1.845		19.9	20.0	-0.7	30.0
1,2,4-Trimethylbenzene	Ave	2.610	2.671		20.5	20.0	2.4	30.0
sec-Butylbenzene	Ave	2.672	2.665		19.9	20.0	-0.3	30.0
1,3-Dichlorobenzene	Ave	1.387	1.361	0.6000	19.6	20.0	-1.9	30.0
4-Isopropyltoluene	Ave	2.296	2.289		19.9	20.0	-0.3	30.0
1,4-Dichlorobenzene	Ave	1.447	1.376	0.5000	19.0	20.0	-4.9	30.0
Benzyl chloride	Ave	0.3640	0.2784		15.3	20.0	-23.5	30.0
Indan	Ave	2.829	2.871		20.3	20.0	1.5	30.0
p-Diethylbenzene	Ave	1.178	1.369		23.2	20.0	16.2	30.0
n-Butylbenzene	Ave	1.129	1.136		20.1	20.0	0.6	30.0
1,2-Dichlorobenzene	Ave	1.426	1.373	0.4000	19.3	20.0	-3.7	30.0
1,2,4,5-Tetramethylbenzene	Ave	2.325	2.229		19.2	20.0	-4.1	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.2116	0.1933	0.0500	18.3	20.0	-8.7	30.0
1,3,5-Trichlorobenzene	Ave	0.8313	0.7486		18.0	20.0	-9.9	30.0
1,2,4-Trichlorobenzene	Ave	0.8149	0.7069	0.2000	17.3	20.0	-13.3	30.0
Hexachlorobutadiene	Ave	0.2597	0.2277		17.5	20.0	-12.3	30.0
Naphthalene	Ave	2.459	2.247		18.3	20.0	-8.6	30.0
1,2,3-Trichlorobenzene	Lin2		0.5474		18.6	20.0	-7.0	30.0
Dibromofluoromethane (Surr)	Ave	0.2429	0.2389		49.2	50.0	-1.6	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2722	0.2799		51.4	50.0	2.8	30.0
Toluene-d8 (Surr)	Ave	1.349	1.314		48.7	50.0	-2.6	30.0
4-Bromofluorobenzene	Ave	0.3902	0.3557		45.6	50.0	-8.8	30.0

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20220419-144210.b\N48303.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 19-Apr-2022 18:32:30 ALS Bottle#: 17 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICV
Misc. Info.: 460-0144210-017
Operator ID: Instrument ID: CVOAMS11
Sublist:

Method: \\chromfs\Edison\ChromData\CVOAMS11\20220419-144210.b\8260W_11.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 20-Apr-2022 21:39:27 Calib Date: 19-Apr-2022 18:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS11\20220419-144210.b\N48302.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1682

First Level Reviewer: baronm Date: 19-Apr-2022 20:14:17

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
4 Chlorotrifluoroethene	116	1.316	1.335	-0.019	0	24131	20.0	18.7	
5 Dichlorodifluoromethane	85	1.341	1.353	-0.012	0	73703	20.0	17.3	
6 Chlorodifluoromethane	51	1.365	1.377	-0.012	0	78157	20.0	23.3	
7 Chloromethane	52	1.456	1.468	-0.012	0	20170	20.0	19.6	
8 Vinyl chloride	62	1.572	1.578	-0.006	0	68669	20.0	20.6	
9 Butadiene	54	1.578	1.590	-0.012	0	40204	20.0	15.4	
10 Bromomethane	94	1.827	1.833	-0.006	0	44395	20.0	21.2	
11 Chloroethane	64	1.906	1.913	-0.007	0	35095	20.0	18.5	
13 Trichlorofluoromethane	101	2.071	2.083	-0.012	33	67879	20.0	19.8	a
12 Dichlorofluoromethane	67	2.083	2.089	-0.006	0	102437	20.0	21.1	
14 Pentane	72	2.113	2.119	-0.006	0	14808	40.0	37.5	
15 Ethanol	46	2.253	2.265	-0.012	91	9869	800.0	603.3	a
16 Ethyl ether	74	2.290	2.296	-0.006	0	35538	20.0	20.9	
17 2-Methyl-1,3-butadiene	53	2.308	2.320	-0.012	0	48290	20.0	23.6	
18 1,2-Dichloro-1,1,2-trifluoroetha	117	2.332	2.344	-0.012	0	44085	20.0	20.2	
19 1,1,1-Trifluoro-2,2-dichloroetha	83	2.387	2.399	-0.012	96	68073	20.0	19.6	a
20 Acrolein	56	2.454	2.454	0.000	0	8983	40.1	28.3	
21 112TCTFE	101	2.460	2.466	-0.006	0	33310	20.0	24.6	
22 1,1-Dichloroethene	96	2.484	2.490	-0.006	0	49034	20.0	20.2	
23 Acetone	58	2.563	2.570	-0.007	0	31365	100.0	86.5	
24 Iodomethane	142	2.630	2.630	0.000	0	91200	20.0	20.3	
25 Isopropyl alcohol	45	2.636	2.661	-0.025	99	39498	200.0	218.1	a
26 Carbon disulfide	76	2.655	2.667	-0.012	0	178989	20.0	19.6	
27 3-Chloro-1-propene	76	2.776	2.789	-0.013	0	38047	20.0	14.3	
28 Methyl acetate	74	2.795	2.795	0.000	0	23264	40.0	38.7	
29 Cyclopentene	67	2.795	2.807	-0.012	0	135435	20.0	19.9	
30 Acetonitrile	41	2.782	2.849	-0.067	0	102707	200.0	243.7	
* 31 TBA-d9 (IS)	66	2.898	2.898	0.000	0	44609	1000.0	1000.0	
32 Methylene Chloride	84	2.898	2.910	-0.012	0	62430	20.0	19.5	
33 2-Methyl-2-propanol	59	2.965	2.959	0.006	93	64915	200.0	192.3	a

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
34 Methyl tert-butyl ether	73	3.056	3.056	0.000	0	156982	20.0	20.6	
35 trans-1,2-Dichloroethene	96	3.074	3.081	-0.007	0	58691	20.0	20.0	
36 Acrylonitrile	53	3.141	3.147	-0.006	0	252780	200.0	189.8	
37 Hexane	56	3.220	3.227	-0.007	0	26872	20.0	18.0	
38 Isopropyl ether	45	3.421	3.427	-0.006	0	186352	20.0	20.1	
39 1,1-Dichloroethane	63	3.452	3.458	-0.006	0	105244	20.0	19.7	
40 Vinyl acetate	86	3.464	3.470	-0.006	0	11859	40.0	22.5	
41 2-Chloro-1,3-butadiene	88	3.494	3.500	-0.006	0	51428	20.0	19.9	
42 Tert-butyl ethyl ether	59	3.725	3.732	-0.007	0	168765	20.0	20.6	
* 43 2-Butanone-d5	46	3.908	3.914	-0.006	0	325732	250.0	250.0	
44 2,2-Dichloropropane	79	3.926	3.932	-0.006	0	18690	20.0	20.4	
45 cis-1,2-Dichloroethene	96	3.950	3.957	-0.007	0	64422	20.0	19.2	
46 2-Butanone (MEK)	72	3.969	3.969	0.000	0	37428	100.0	90.7	
47 Ethyl acetate	70	3.975	3.969	0.006	0	14484	40.0	38.3	
48 Methyl acrylate	55	4.017	4.024	-0.007	0	53029	20.0	20.8	
49 Propionitrile	54	4.090	4.097	-0.007	0	96680	200.0	216.4	
50 Tetrahydrofuran	72	4.163	4.163	0.000	0	16577	40.0	35.3	
51 Chlorobromomethane	128	4.169	4.170	-0.001	0	30533	20.0	19.0	
52 Methacrylonitrile	67	4.194	4.194	0.000	0	269677	200.0	206.4	
53 Chloroform	83	4.218	4.224	-0.006	0	99983	20.0	20.1	
54 Cyclohexane	84	4.340	4.346	-0.006	0	67438	20.0	21.0	
55 1,1,1-Trichloroethane	97	4.358	4.364	-0.006	0	73043	20.0	20.1	
$ 56 Dibromofluoromethane (Surr)	113	4.370	4.376	-0.006	0	116030	50.0	49.2	
57 Carbon tetrachloride	117	4.474	4.480	-0.006	0	63190	20.0	20.3	
58 1,1-Dichloropropene	75	4.504	4.504	0.000	0	77338	20.0	20.2	
59 Isobutyl alcohol	43	4.626	4.626	0.000	0	85639	500.0	545.7	
60 Isooctane	57	4.662	4.662	0.000	95	72925	20.0	22.5	a
61 Benzene	78	4.693	4.693	0.000	0	224577	20.0	20.3	
$ 62 1,2-Dichloroethane-d4 (Surr)	65	4.711	4.711	0.000	0	135936	50.0	51.4	
64 Isopropyl acetate	43	4.753	4.754	-0.001	0	170486	20.0	22.1	
63 Tert-amyl methyl ether	73	4.753	4.760	-0.007	0	173503	20.0	20.8	
65 1,2-Dichloroethane	62	4.778	4.784	-0.006	0	73278	20.0	20.3	
66 n-Heptane	57	4.845	4.845	0.000	0	20748	20.0	18.7	
* 67 Fluorobenzene	96	4.972	4.979	-0.007	0	485648	50.0	50.0	
68 n-Butanol	56	5.277	5.277	0.000	0	41337	500.0	495.5	
69 Trichloroethene	95	5.319	5.319	0.000	0	57197	20.0	19.2	
70 Ethyl acrylate	99	5.441	5.441	0.000	0	8048	20.0	19.9	
71 Methylcyclohexane	83	5.441	5.441	0.000	0	67855	20.0	19.3	
72 1,2-Dichloropropane	63	5.599	5.599	0.000	0	57125	20.0	19.3	
* 73 1,4-Dioxane-d8	96	5.654	5.654	0.000	0	28120	1000.0	1000.0	
74 Methyl methacrylate	100	5.678	5.684	-0.006	0	30049	40.0	37.5	
75 1,4-Dioxane	88	5.709	5.703	0.006	0	13066	400.0	339.5	
76 Dibromomethane	93	5.721	5.727	-0.006	0	34737	20.0	19.0	
77 n-Propyl acetate	43	5.733	5.739	-0.006	0	89020	20.0	20.5	
78 Dichlorobromomethane	83	5.873	5.873	0.000	0	71466	20.0	19.6	
79 2-Nitropropane	41	6.201	6.208	-0.007	0	32680	40.0	39.8	
80 2-Chloroethyl vinyl ether	63	6.207	6.214	-0.007	0	33694	20.0	20.6	
81 Epichlorohydrin	57	6.311	6.311	0.000	0	5814	20.0	15.2	
82 cis-1,3-Dichloropropene	75	6.366	6.366	0.000	0	84684	20.0	19.0	
83 4-Methyl-2-pentanone (MIBK)	43	6.530	6.530	0.000	0	310662	100.0	98.0	
$ 84 Toluene-d8 (Surr)	98	6.603	6.609	-0.006	0	427615	50.0	48.7	
85 Toluene	91	6.682	6.682	0.000	0	217488	20.0	19.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
86 trans-1,3-Dichloropropene	75	7.029	7.029	0.000	0	80424	20.0	20.5	
87 Ethyl methacrylate	69	7.065	7.065	0.000	0	72901	20.0	19.3	
88 1,1,2-Trichloroethane	83	7.236	7.236	0.000	0	41536	20.0	19.4	
89 Tetrachloroethene	166	7.272	7.278	-0.006	0	41659	20.0	17.8	
90 1,3-Dichloropropane	76	7.442	7.442	0.000	0	81987	20.0	20.6	
91 2-Hexanone	58	7.515	7.515	0.000	0	114133	100.0	93.3	
92 n-Butyl acetate	43	7.631	7.631	0.000	0	95676	20.0	22.5	
93 Chlorodibromomethane	129	7.667	7.674	-0.007	0	45217	20.0	18.9	
94 Ethylene Dibromide	107	7.820	7.820	0.000	0	48139	20.0	19.5	
* 95 Chlorobenzene-d5	117	8.361	8.361	0.000	0	325441	50.0	50.0	
96 Chlorobenzene	112	8.398	8.398	0.000	0	124602	20.0	18.8	
97 Ethylbenzene	106	8.501	8.507	-0.006	0	69224	20.0	19.0	
98 1,1,1,2-Tetrachloroethane	131	8.519	8.519	0.000	0	46564	20.0	18.6	
99 m-Xylene & p-Xylene	106	8.659	8.659	0.000	0	85632	20.0	19.3	
100 o-Xylene	106	9.176	9.176	0.000	0	88415	20.0	19.5	
101 n-Butyl acrylate	73	9.176	9.176	0.000	0	46050	20.0	20.3	
102 Styrene	104	9.213	9.213	0.000	0	142769	20.0	18.7	
104 Bromoform	173	9.456	9.456	0.000	0	28006	20.0	18.1	
103 Amyl acetate (mixed isomers)	43	9.462	9.462	0.000	0	108914	20.0	22.4	
105 Isopropylbenzene	105	9.608	9.614	-0.006	0	210775	20.0	19.3	
$ 106 4-Bromofluorobenzene	174	9.833	9.833	0.000	0	115767	50.0	45.6	
107 Bromobenzene	156	9.979	9.979	0.000	0	50247	20.0	19.1	
108 1,1,2,2-Tetrachloroethane	83	10.046	10.046	0.000	0	62550	20.0	20.0	
109 N-Propylbenzene	91	10.070	10.071	-0.001	0	239798	20.0	20.2	
110 1,2,3-Trichloropropane	110	10.089	10.095	-0.006	0	18743	20.0	20.4	
111 trans-1,4-Dichloro-2-butene	53	10.119	10.119	0.000	0	17756	20.0	21.0	
112 2-Chlorotoluene	91	10.180	10.180	0.000	0	179369	20.0	21.0	
113 4-Ethyltoluene	105	10.192	10.198	-0.006	0	198345	20.0	20.7	
114 1,3,5-Trimethylbenzene	105	10.271	10.271	0.000	0	169871	20.0	20.2	
115 4-Chlorotoluene	91	10.302	10.302	0.000	0	161660	20.0	20.0	
116 Butyl Methacrylate	87	10.393	10.387	0.006	0	69036	20.0	20.3	
117 tert-Butylbenzene	119	10.575	10.582	-0.007	0	124170	20.0	19.9	
118 1,2,4-Trimethylbenzene	105	10.642	10.642	0.000	0	179760	20.0	20.5	
119 sec-Butylbenzene	105	10.794	10.795	-0.001	0	179337	20.0	19.9	
120 1,3-Dichlorobenzene	146	10.922	10.922	0.000	0	91570	20.0	19.6	
121 4-Isopropyltoluene	119	10.934	10.934	0.000	0	154084	20.0	19.9	
* 122 1,4-Dichlorobenzene-d4	152	10.995	10.995	0.000	0	168256	50.0	50.0	
123 1,4-Dichlorobenzene	146	11.013	11.014	-0.001	0	92575	20.0	19.0	
124 1,2,3-Trimethylbenzene	105	11.038	11.044	-0.006	0	197346	20.0	20.2	
125 Benzyl chloride	126	11.159	11.160	-0.001	0	18734	20.0	15.3	
126 2,3-Dihydroindene	117	11.214	11.214	0.000	0	193216	20.0	20.3	
127 p-Diethylbenzene	119	11.281	11.281	0.000	0	92113	20.0	23.2	
128 n-Butylbenzene	92	11.305	11.306	-0.001	0	76458	20.0	20.1	
129 1,2-Dichlorobenzene	146	11.354	11.354	0.000	0	92392	20.0	19.3	
130 1,2,4,5-Tetramethylbenzene	119	11.950	11.950	0.000	0	150010	20.0	19.2	
131 1,2-Dibromo-3-Chloropropane	157	12.035	12.036	-0.001	0	13009	20.0	18.3	
132 1,3,5-Trichlorobenzene	180	12.151	12.151	0.000	0	50381	20.0	18.0	
133 1,2,4-Trichlorobenzene	180	12.650	12.650	0.000	0	47573	20.0	17.3	
134 Hexachlorobutadiene	225	12.735	12.735	0.000	0	15325	20.0	17.5	
135 Naphthalene	128	12.839	12.839	0.000	0	151234	20.0	18.3	
136 1,2,3-Trichlorobenzene	180	13.021	13.021	0.000	0	36842	20.0	18.6	
S 137 1,2-Dichloroethene, Total	100				0		40.0	39.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 138 Xylenes, Total	100				0		40.0	38.8	
S 139 Total BTEX	1				0		100.0	97.6	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

8260 SP_00153	Amount Added:	20.00	Units: uL	
GAS C SP_00457	Amount Added:	20.00	Units: uL	
ACROLEIN SP_00136	Amount Added:	4.00	Units: uL	
8FreonsSS_00044	Amount Added:	20.00	Units: uL	
8260ISNEW_00120	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00226	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 20-Apr-2022 21:39:30 Chrom Revision: 2.3 12-Apr-2022 20:29:44

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20220419-144210.b\N48303.D

Injection Date: 19-Apr-2022 18:32:30 Instrument ID: CVOAMS11 Operator ID:

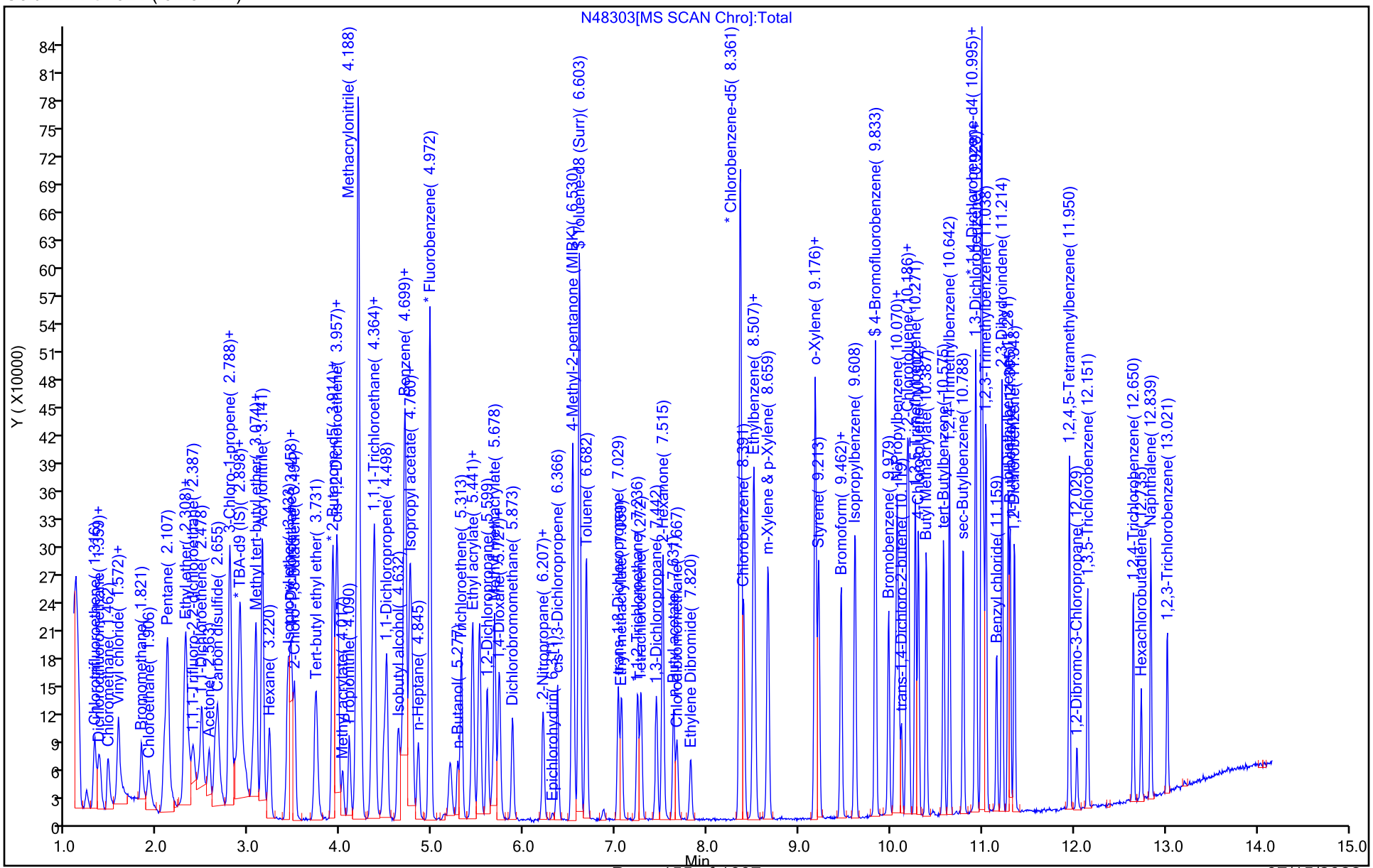
Lims ID: ICV Worklist Smp#: 17

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 17

Method: 8260W_11 Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-260852-1

SDG No.:

Lab Sample ID: CCVIS 460-852839/2 Calibration Date: 06/30/2022 07:53

Instrument ID: CVOAMS11 Calib Start Date: 04/19/2022 12:16

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 04/19/2022 18:09

Lab File ID: N52185.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlorotrifluoroethene	Ave	0.1325	0.1263		19.1	20.0	-4.7	20.0
Dichlorodifluoromethane	QuaF		0.3604	0.1000	16.4	20.0	-17.8	20.0
Chloromethane	Ave	0.7881	0.8037	0.1000	20.4	20.0	2.0	20.0
Vinyl chloride	Ave	0.3435	0.3838	0.1000	22.3	20.0	11.7	20.0
Butadiene	Lin2		0.1780		13.3	20.0	-33.5*	20.0
Bromomethane	Ave	0.2157	0.2717	0.1000	25.2	20.0	26.0	50.0
Chloroethane	Ave	0.1958	0.1994	0.1000	20.4	20.0	1.8	50.0
Trichlorofluoromethane	Ave	0.3524	0.3190	0.1000	18.1	20.0	-9.5	20.0
Dichlorofluoromethane	Ave	0.5003	0.4726		18.9	20.0	-5.6	20.0
Pentane	Ave	8.856	7.918		35.8	40.0	-10.6	20.0
Ethanol	Ave	0.3667	0.3998		872	800	9.0	50.0
Ethyl ether	Ave	0.1754	0.1828		20.8	20.0	4.2	20.0
2-Methyl-1,3-butadiene	Ave	0.2110	0.2378		22.5	20.0	12.7	20.0
1,2-Dichloro-1,1,2-trifluoro ethane	Ave	0.2243	0.1894		16.9	20.0	-15.5	20.0
Acrolein	Lin2		10.95		64.4	40.0	60.9*	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.1395	0.1420	0.1000	20.4	20.0	1.8	20.0
1,1-Dichloroethene	Ave	0.2503	0.2191	0.1000	17.5	20.0	-12.5	20.0
Acetone	Lin2		0.2466	0.0500	88.7	100	-11.3	50.0
Iodomethane	Ave	0.4631	0.4337		18.7	20.0	-6.3	20.0
Carbon disulfide	Ave	0.9384	0.8261	0.1000	17.6	20.0	-12.0	50.0
Isopropyl alcohol	Ave	4.060	4.866		240	200	19.9	50.0
3-Chloro-1-propene	Ave	0.2730	0.2400		17.6	20.0	-12.1	20.0
Methyl acetate	Ave	13.48	13.48	0.1000	40.0	40.0	0.0	20.0
Cyclopentene	Ave	0.6999	0.6986		20.0	20.0	-0.2	20.0
Acetonitrile	Ave	9.447	8.714		184	200	-7.8	20.0
Methylene Chloride	Ave	0.3291	0.3130	0.1000	19.0	20.0	-4.9	20.0
2-Methyl-2-propanol	Ave	7.568	7.540		199	200	-0.4	50.0
Methyl tert-butyl ether	Ave	0.7838	0.7690	0.1000	19.6	20.0	-1.9	20.0
trans-1,2-Dichloroethene	Ave	0.3026	0.2964	0.1000	19.6	20.0	-2.0	20.0
Acrylonitrile	Ave	29.85	32.34		217	200	8.4	20.0
Hexane	Ave	0.1537	0.1473		19.2	20.0	-4.1	20.0
Isopropyl ether	Ave	0.9569	1.093		22.8	20.0	14.2	20.0
1,1-Dichloroethane	Ave	0.5506	0.6217	0.2000	22.6	20.0	12.9	20.0
Vinyl acetate	Ave	0.4051	0.4264		42.1	40.0	5.3	20.0
2-Chloro-1,3-butadiene	Ave	0.2655	0.2775		20.9	20.0	4.5	20.0
Tert-butyl ethyl ether	Ave	0.8421	0.8487		20.2	20.0	0.8	20.0
2,2-Dichloropropane	Ave	0.0942	0.1052		22.3	20.0	11.7	20.0
cis-1,2-Dichloroethene	Ave	0.3450	0.3449	0.1000	20.0	20.0	-0.0	20.0
2-Butanone (MEK)	Ave	0.3166	0.2890	0.0500	91.3	100	-8.7	50.0
Ethyl acetate	Ave	0.2903	0.2395		33.0	40.0	-17.5	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-260852-1

SDG No.:

Lab Sample ID: CCVIS 460-852839/2 Calibration Date: 06/30/2022 07:53

Instrument ID: CVOAMS11 Calib Start Date: 04/19/2022 12:16

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 04/19/2022 18:09

Lab File ID: N52185.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propionitrile	Ave	10.02	12.25		245	200	22.3*	20.0
Tetrahydrofuran	Ave	0.3601	0.2956		32.8	40.0	-17.9	20.0
Chlorobromomethane	Ave	0.1654	0.1732		20.9	20.0	4.7	20.0
Methacrylonitrile	Ave	0.1345	0.1463		218	200	8.8	20.0
Chloroform	Ave	0.5112	0.5686	0.2000	22.2	20.0	11.2	20.0
Cyclohexane	Ave	0.3310	0.2696	0.1000	16.3	20.0	-18.5	50.0
1,1,1-Trichloroethane	Ave	0.3748	0.3720	0.1000	19.9	20.0	-0.7	20.0
Carbon tetrachloride	Ave	0.3212	0.3191	0.1000	19.9	20.0	-0.6	20.0
1,1-Dichloropropene	Ave	0.3936	0.3964		20.1	20.0	0.7	20.0
Isobutyl alcohol	Ave	3.518	3.995		568	500	13.6	50.0
Benzene	Ave	1.697	1.719	0.5000	20.3	20.0	1.3	20.0
Isopropyl acetate	Ave	0.7934	0.9489		23.9	20.0	19.6	20.0
Tert-amyl methyl ether	Ave	0.8592	0.8688		20.2	20.0	1.1	20.0
1,2-Dichloroethane	Ave	0.3719	0.4485	0.1000	24.1	20.0	20.6*	20.0
n-Heptane	Ave	0.1144	0.1108		19.4	20.0	-3.1	20.0
n-Butanol	Ave	1.870	1.604		429	500	-14.2	50.0
Trichloroethene	Ave	0.3061	0.2873	0.2000	18.8	20.0	-6.1	20.0
Ethyl acrylate	Ave	0.0416	0.0378		18.2	20.0	-9.1	20.0
Methylcyclohexane	Ave	0.3627	0.3007	0.1000	16.6	20.0	-17.1	50.0
1,2-Dichloropropane	Ave	0.3049	0.3273	0.1000	21.5	20.0	7.3	20.0
Methyl methacrylate	Ave	0.0825	0.0725		35.1	40.0	-12.2	20.0
1,4-Dioxane	Ave	1.369	1.307		382	400	-4.5	50.0
Dibromomethane	Ave	0.1881	0.1955		20.8	20.0	3.9	20.0
n-Propyl acetate	Ave	0.4469	0.5041		22.6	20.0	12.8	20.0
Dichlorobromomethane	Ave	0.3761	0.3934	0.2000	20.9	20.0	4.6	20.0
2-Chloroethyl vinyl ether	Ave	0.1682	0.1311		15.6	20.0	-22.0*	20.0
2-Nitropropane	Qua2		17.50		38.0	40.0	-5.0	20.0
Epichlorohydrin	Lin2		0.2333		383	400	-4.4	20.0
cis-1,3-Dichloropropene	Ave	0.6830	0.6822	0.2000	20.0	20.0	-0.1	50.0
4-Methyl-2-pentanone (MIBK)	Ave	2.434	2.457	0.0500	101	100	0.9	50.0
Toluene	Ave	1.711	1.629	0.4000	19.0	20.0	-4.8	20.0
trans-1,3-Dichloropropene	Ave	0.6025	0.5872	0.1000	19.5	20.0	-2.5	50.0
Ethyl methacrylate	Ave	0.3881	0.3323		17.1	20.0	-14.4	20.0
1,1,2-Trichloroethane	Ave	0.3283	0.3419	0.1000	20.8	20.0	4.1	20.0
Tetrachloroethene	Ave	0.3598	0.3385	0.2000	18.8	20.0	-5.9	20.0
1,3-Dichloropropane	Ave	0.6102	0.6478		21.2	20.0	6.1	20.0
2-Hexanone	Ave	0.9391	0.7936	0.0500	84.5	100	-15.5	50.0
n-Butyl acetate	Ave	0.6528	0.6917		21.2	20.0	5.9	20.0
Chlorodibromomethane	Ave	0.3670	0.3692	0.1000	20.1	20.0	0.6	50.0
Ethylene Dibromide	Ave	0.3802	0.3681	0.1000	19.4	20.0	-3.2	20.0
Chlorobenzene	Ave	1.018	1.034	0.5000	20.3	20.0	1.6	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-260852-1

SDG No.:

Lab Sample ID: CCVIS 460-852839/2 Calibration Date: 06/30/2022 07:53

Instrument ID: CVOAMS11 Calib Start Date: 04/19/2022 12:16

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 04/19/2022 18:09

Lab File ID: N52185.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Ethylbenzene	Ave	0.5590	0.4996	0.1000	17.9	20.0	-10.6	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3849	0.3766		19.6	20.0	-2.1	20.0
m-Xylene & p-Xylene	Ave	0.6822	0.6142	0.1000	18.0	20.0	-10.0	20.0
n-Butyl acrylate	Ave	0.3487	0.2807		16.1	20.0	-19.5	20.0
o-Xylene	Ave	0.6975	0.6376	0.3000	18.3	20.0	-8.6	20.0
Styrene	Ave	1.175	1.003	0.3000	17.1	20.0	-14.6	20.0
Amyl acetate (mixed isomers)	Ave	1.445	1.373		19.0	20.0	-4.9	20.0
Bromoform	Ave	0.4593	0.4088	0.1000	17.8	20.0	-11.0	20.0
Isopropylbenzene	Ave	1.681	1.480	0.1000	17.6	20.0	-12.0	20.0
Bromobenzene	Ave	0.7833	0.7182		18.3	20.0	-8.3	20.0
1,1,2,2-Tetrachloroethane	Ave	0.9291	0.9927	0.3000	21.4	20.0	6.8	20.0
N-Propylbenzene	Ave	3.531	3.125		17.7	20.0	-11.5	20.0
1,2,3-Trichloropropane	Ave	0.2727	0.2726		20.0	20.0	-0.0	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2507	0.2140		17.1	20.0	-14.6	20.0
2-Chlorotoluene	Ave	2.543	2.427		19.1	20.0	-4.6	20.0
4-Ethyltoluene	Ave	2.851	2.706		19.0	20.0	-5.1	20.0
1,3,5-Trimethylbenzene	Ave	2.503	2.154		17.2	20.0	-13.9	20.0
4-Chlorotoluene	Ave	2.404	2.261		18.8	20.0	-5.9	20.0
Butyl Methacrylate	Ave	1.008	0.6719		13.3	20.0	-33.4*	20.0
tert-Butylbenzene	Ave	1.859	1.606		17.3	20.0	-13.6	20.0
1,2,4-Trimethylbenzene	Ave	2.610	2.295		17.6	20.0	-12.1	20.0
sec-Butylbenzene	Ave	2.672	2.316		17.3	20.0	-13.3	20.0
1,3-Dichlorobenzene	Ave	1.387	1.349	0.6000	19.5	20.0	-2.7	20.0
4-Isopropyltoluene	Ave	2.296	1.934		16.8	20.0	-15.8	20.0
1,4-Dichlorobenzene	Ave	1.447	1.433	0.5000	19.8	20.0	-0.9	20.0
Benzyl chloride	Ave	0.3640	0.3361		18.5	20.0	-7.7	50.0
Indan	Ave	2.829	2.708		19.1	20.0	-4.3	20.0
p-Diethylbenzene	Ave	1.178	1.092		18.5	20.0	-7.3	20.0
n-Butylbenzene	Ave	1.129	1.072		19.0	20.0	-5.1	20.0
1,2-Dichlorobenzene	Ave	1.426	1.401	0.4000	19.7	20.0	-1.7	20.0
1,2,4,5-Tetramethylbenzene	Ave	2.325	1.773		15.2	20.0	-23.8*	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.2116	0.1741	0.0500	16.5	20.0	-17.7	50.0
1,3,5-Trichlorobenzene	Ave	0.8313	0.8171		19.7	20.0	-1.7	20.0
1,2,4-Trichlorobenzene	Ave	0.8149	0.6994	0.2000	17.2	20.0	-14.2	20.0
Hexachlorobutadiene	Ave	0.2597	0.1907		14.7	20.0	-26.6*	20.0
Naphthalene	Ave	2.459	1.901		15.5	20.0	-22.7	50.0
1,2,3-Trichlorobenzene	Lin2		0.5337		18.1	20.0	-9.4	20.0
Dibromofluoromethane (Surr)	Ave	0.2429	0.2560		52.7	50.0	5.4	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2722	0.3207		58.9	50.0	17.8	20.0
Toluene-d8 (Surr)	Ave	1.349	1.363		50.5	50.0	1.1	20.0
4-Bromofluorobenzene	Ave	0.3902	0.3632		46.5	50.0	-6.9	20.0

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20220630-147260.b\N52185.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 30-Jun-2022 07:53:30 ALS Bottle#: 18 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 460-0147260-002
Operator ID: Instrument ID: CVOAMS11
Sublist: chrom-8260W_11*sub8

Method: \\chromfs\Edison\ChromData\CVOAMS11\20220630-147260.b\8260W_11.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 30-Jun-2022 17:02:58 Calib Date: 19-Apr-2022 18:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS11\20220419-144210.b\N48302.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1662

First Level Reviewer: W9CM Date: 30-Jun-2022 17:02:58

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
4 Chlorotrifluoroethene	116	1.328	1.328	0.000	52	33389	20.0	19.1	
5 Dichlorodifluoromethane	85	1.353	1.353	0.000	97	95232	20.0	16.4	
6 Chlorodifluoromethane	51	1.377	1.377	0.000	98	116850	20.0	25.6	
7 Chloromethane	52	1.462	1.462	0.000	99	30236	20.0	20.4	
8 Vinyl chloride	62	1.566	1.566	0.000	98	101419	20.0	22.3	
9 Butadiene	54	1.590	1.590	0.000	98	47041	20.0	13.3	
10 Bromomethane	94	1.827	1.827	0.000	99	71810	20.0	25.2	
11 Chloroethane	64	1.906	1.906	0.000	100	52683	20.0	20.4	
13 Trichlorofluoromethane	101	2.071	2.071	0.000	62	84313	20.0	18.1	
12 Dichlorofluoromethane	67	2.077	2.077	0.000	97	124884	20.0	18.9	
14 Pentane	72	2.119	2.119	0.000	97	18974	40.0	35.8	
15 Ethanol	46	2.290	2.290	0.000	81	19163	800.0	872.3	
16 Ethyl ether	74	2.296	2.296	0.000	87	48296	20.0	20.8	
17 2-Methyl-1,3-butadiene	53	2.314	2.314	0.000	97	62840	20.0	22.5	
18 1,2-Dichloro-1,1,2-trifluoroetha	117	2.344	2.344	0.000	94	50062	20.0	16.9	
19 1,1,1-Trifluoro-2,2-dichloroetha	83	2.387	2.387	0.000	92	80785	20.0	17.1	a
20 Acrolein	56	2.448	2.448	0.000	97	26248	40.0	64.4	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.460	2.460	0.000	68	37538	20.0	20.4	
22 1,1-Dichloroethene	96	2.484	2.484	0.000	95	57900	20.0	17.5	
23 Acetone	58	2.563	2.563	0.000	85	46392	100.0	88.7	
24 Iodomethane	142	2.630	2.630	0.000	97	114622	20.0	18.7	
25 Isopropyl alcohol	45	2.655	2.655	0.000	96	58302	200.0	239.7	a
26 Carbon disulfide	76	2.655	2.655	0.000	100	218322	20.0	17.6	
27 3-Chloro-1-propene	76	2.782	2.782	0.000	91	63416	20.0	17.6	
28 Methyl acetate	74	2.788	2.788	0.000	98	32307	40.0	40.0	
29 Cyclopentene	67	2.801	2.801	0.000	94	184630	20.0	20.0	
30 Acetonitrile	41	2.843	2.843	0.000	95	104408	200.0	184.5	a
* 31 TBA-d9 (IS)	66	2.898	2.898	0.000	96	59908	1000.0	1000.0	
32 Methylene Chloride	84	2.904	2.904	0.000	97	82725	20.0	19.0	
33 2-Methyl-2-propanol	59	2.959	2.959	0.000	97	90336	200.0	199.2	a

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
34 Methyl tert-butyl ether	73	3.050	3.050	0.000	98	203215	20.0	19.6	
35 trans-1,2-Dichloroethene	96	3.074	3.074	0.000	98	78330	20.0	19.6	
36 Acrylonitrile	53	3.141	3.141	0.000	93	387517	200.0	216.7	
37 Hexane	56	3.226	3.226	0.000	95	38937	20.0	19.2	
38 Isopropyl ether	45	3.421	3.421	0.000	96	288897	20.0	22.8	
39 1,1-Dichloroethane	63	3.452	3.452	0.000	99	164295	20.0	22.6	
40 Vinyl acetate	86	3.458	3.458	0.000	100	32085	40.0	42.1	
41 2-Chloro-1,3-butadiene	88	3.494	3.494	0.000	91	73340	20.0	20.9	
42 Tert-butyl ethyl ether	59	3.725	3.725	0.000	89	224287	20.0	20.2	
* 43 2-Butanone-d5	46	3.908	3.908	0.000	98	470271	250.0	250.0	
44 2,2-Dichloropropane	79	3.920	3.920	0.000	54	27812	20.0	22.3	
45 cis-1,2-Dichloroethene	96	3.944	3.944	0.000	93	91148	20.0	20.0	
46 2-Butanone (MEK)	72	3.956	3.956	0.000	96	54367	100.0	91.3	
47 Ethyl acetate	70	3.963	3.963	0.000	95	18024	40.0	33.0	
48 Methyl acrylate	55	4.017	4.017	0.000	99	76756	20.0	22.2	
49 Propionitrile	54	4.090	4.090	0.000	98	146732	200.0	244.6	
50 Tetrahydrofuran	72	4.157	4.157	0.000	68	22241	40.0	32.8	
51 Chlorobromomethane	128	4.163	4.163	0.000	98	45769	20.0	20.9	
52 Methacrylonitrile	67	4.188	4.188	0.000	94	386626	200.0	217.5	
53 Chloroform	83	4.218	4.218	0.000	98	150276	20.0	22.2	
54 Cyclohexane	84	4.340	4.340	0.000	95	71253	20.0	16.3	
55 1,1,1-Trichloroethane	97	4.352	4.352	0.000	98	98321	20.0	19.9	
$ 56 Dibromofluoromethane (Surr)	113	4.370	4.370	0.000	96	169111	50.0	52.7	
57 Carbon tetrachloride	117	4.474	4.474	0.000	96	84330	20.0	19.9	
58 1,1-Dichloropropene	75	4.498	4.498	0.000	95	104752	20.0	20.1	
59 Isobutyl alcohol	43	4.626	4.626	0.000	95	119671	500.0	567.9	
60 Isooctane	57	4.656	4.656	0.000	94	101516	20.0	23.0	a
61 Benzene	78	4.687	4.687	0.000	98	319510	20.0	20.3	
$ 62 1,2-Dichloroethane-d4 (Surr)	65	4.705	4.705	0.000	96	211859	50.0	58.9	
64 Isopropyl acetate	43	4.747	4.747	0.000	95	250771	20.0	23.9	
63 Tert-amyl methyl ether	73	4.753	4.753	0.000	90	229601	20.0	20.2	
65 1,2-Dichloroethane	62	4.778	4.778	0.000	95	118529	20.0	24.1	
66 n-Heptane	57	4.839	4.839	0.000	95	29275	20.0	19.4	
* 67 Fluorobenzene	96	4.966	4.966	0.000	98	660679	50.0	50.0	
68 n-Butanol	56	5.271	5.271	0.000	96	48056	500.0	428.9	
69 Trichloroethene	95	5.307	5.307	0.000	98	75926	20.0	18.8	
70 Ethyl acrylate	99	5.429	5.429	0.000	96	9996	20.0	18.2	
71 Methylcyclohexane	83	5.435	5.435	0.000	70	79459	20.0	16.6	
72 1,2-Dichloropropane	63	5.593	5.593	0.000	91	86501	20.0	21.5	
* 73 1,4-Dioxane-d8	96	5.642	5.642	0.000	82	39404	1000.0	1000.0	
74 Methyl methacrylate	100	5.672	5.672	0.000	93	38313	40.0	35.1	
75 1,4-Dioxane	88	5.696	5.696	0.000	85	20596	400.0	381.9	
76 Dibromomethane	93	5.715	5.715	0.000	94	51657	20.0	20.8	
77 n-Propyl acetate	43	5.727	5.727	0.000	99	133232	20.0	22.6	
78 Dichlorobromomethane	83	5.867	5.867	0.000	99	103960	20.0	20.9	
79 2-Nitropropane	41	6.201	6.201	0.000	87	41942	40.0	38.0	
80 2-Chloroethyl vinyl ether	63	6.201	6.201	0.000	69	34734	20.0	15.6	
81 Epichlorohydrin	57	6.305	6.305	0.000	99	175572	400.0	382.6	
82 cis-1,3-Dichloropropene	75	6.353	6.353	0.000	95	126829	20.0	20.0	
83 4-Methyl-2-pentanone (MIBK)	43	6.524	6.524	0.000	98	462228	100.0	100.9	
$ 84 Toluene-d8 (Surr)	98	6.597	6.597	0.000	99	633735	50.0	50.5	
85 Toluene	91	6.670	6.670	0.000	93	302904	20.0	19.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
86 trans-1,3-Dichloropropene	75	7.023	7.023	0.000	98	109178	20.0	19.5	
87 Ethyl methacrylate	69	7.059	7.059	0.000	91	87818	20.0	17.1	
88 1,1,2-Trichloroethane	83	7.229	7.229	0.000	96	63561	20.0	20.8	
89 Tetrachloroethene	166	7.272	7.272	0.000	94	62929	20.0	18.8	
90 1,3-Dichloropropane	76	7.436	7.436	0.000	95	120431	20.0	21.2	
91 2-Hexanone	58	7.503	7.503	0.000	98	149282	100.0	84.5	
92 n-Butyl acetate	43	7.625	7.625	0.000	98	128592	20.0	21.2	
93 Chlorodibromomethane	129	7.661	7.661	0.000	97	68639	20.0	20.1	
94 Ethylene Dibromide	107	7.807	7.807	0.000	98	68431	20.0	19.4	
* 95 Chlorobenzene-d5	117	8.349	8.349	0.000	88	464795	50.0	50.0	
96 Chlorobenzene	112	8.385	8.385	0.000	94	192316	20.0	20.3	
97 Ethylbenzene	106	8.495	8.495	0.000	99	92876	20.0	17.9	
98 1,1,1,2-Tetrachloroethane	131	8.507	8.507	0.000	95	70020	20.0	19.6	
99 m-Xylene & p-Xylene	106	8.653	8.653	0.000	99	114187	20.0	18.0	
100 o-Xylene	106	9.170	9.170	0.000	93	118541	20.0	18.3	
101 n-Butyl acrylate	73	9.170	9.170	0.000	67	52196	20.0	16.1	
102 Styrene	104	9.207	9.207	0.000	93	186479	20.0	17.1	
103 Amyl acetate (mixed isomers)	43	9.450	9.450	0.000	90	142288	20.0	19.0	
104 Bromoform	173	9.450	9.450	0.000	90	42354	20.0	17.8	
105 Isopropylbenzene	105	9.602	9.602	0.000	97	275203	20.0	17.6	
$ 106 4-Bromofluorobenzene	174	9.827	9.827	0.000	86	168798	50.0	46.5	
107 Bromobenzene	156	9.973	9.973	0.000	96	74409	20.0	18.3	
108 1,1,2,2-Tetrachloroethane	83	10.034	10.034	0.000	98	102852	20.0	21.4	
109 N-Propylbenzene	91	10.064	10.064	0.000	98	323757	20.0	17.7	
110 1,2,3-Trichloropropane	110	10.083	10.083	0.000	98	28248	20.0	20.0	
111 trans-1,4-Dichloro-2-butene	53	10.107	10.107	0.000	85	22175	20.0	17.1	
112 2-Chlorotoluene	91	10.168	10.168	0.000	97	251452	20.0	19.1	
113 4-Ethyltoluene	105	10.186	10.186	0.000	98	280349	20.0	19.0	
114 1,3,5-Trimethylbenzene	105	10.265	10.265	0.000	92	223199	20.0	17.2	
115 4-Chlorotoluene	91	10.296	10.296	0.000	98	234268	20.0	18.8	
116 Butyl Methacrylate	87	10.381	10.381	0.000	95	69610	20.0	13.3	
117 tert-Butylbenzene	119	10.569	10.569	0.000	93	166404	20.0	17.3	
118 1,2,4-Trimethylbenzene	105	10.636	10.636	0.000	98	237765	20.0	17.6	
119 sec-Butylbenzene	105	10.782	10.782	0.000	99	239912	20.0	17.3	
120 1,3-Dichlorobenzene	146	10.916	10.916	0.000	95	139818	20.0	19.5	
121 4-Isopropyltoluene	119	10.928	10.928	0.000	97	200336	20.0	16.8	
* 122 1,4-Dichlorobenzene-d4	152	10.989	10.989	0.000	97	259021	50.0	50.0	
123 1,4-Dichlorobenzene	146	11.007	11.007	0.000	94	148519	20.0	19.8	
124 1,2,3-Trimethylbenzene	105	11.032	11.032	0.000	98	275066	20.0	18.3	
125 Benzyl chloride	126	11.147	11.147	0.000	98	34821	20.0	18.5	
126 2,3-Dihydroindene	117	11.208	11.208	0.000	94	280587	20.0	19.1	
127 p-Diethylbenzene	119	11.275	11.275	0.000	93	113131	20.0	18.5	
128 n-Butylbenzene	92	11.299	11.299	0.000	97	111022	20.0	19.0	
129 1,2-Dichlorobenzene	146	11.342	11.342	0.000	93	145172	20.0	19.7	
130 1,2,4,5-Tetramethylbenzene	119	11.944	11.944	0.000	98	183669	20.0	15.2	
131 1,2-Dibromo-3-Chloropropane	157	12.023	12.023	0.000	91	18041	20.0	16.5	
132 1,3,5-Trichlorobenzene	180	12.145	12.145	0.000	96	84661	20.0	19.7	
133 1,2,4-Trichlorobenzene	180	12.638	12.638	0.000	94	72463	20.0	17.2	
134 Hexachlorobutadiene	225	12.729	12.729	0.000	89	19755	20.0	14.7	
135 Naphthalene	128	12.832	12.832	0.000	99	196953	20.0	15.5	
136 1,2,3-Trichlorobenzene	180	13.015	13.015	0.000	94	55293	20.0	18.1	
S 137 1,2-Dichloroethene, Total	100				0		40.0	39.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 138 Xylenes, Total	100				0		40.0	36.3	
S 139 Total BTEX	1				0		100.0	93.5	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

8260MIX1COMB_00155	Amount Added:	20.00	Units: uL	
524freon_00053	Amount Added:	20.00	Units: uL	
ACROLEIN W_00141	Amount Added:	4.00	Units: uL	
GASES Li_00482	Amount Added:	20.00	Units: uL	
8260ISNEW_00171	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00230	Amount Added:	1.00	Units: uL	Run Reagent

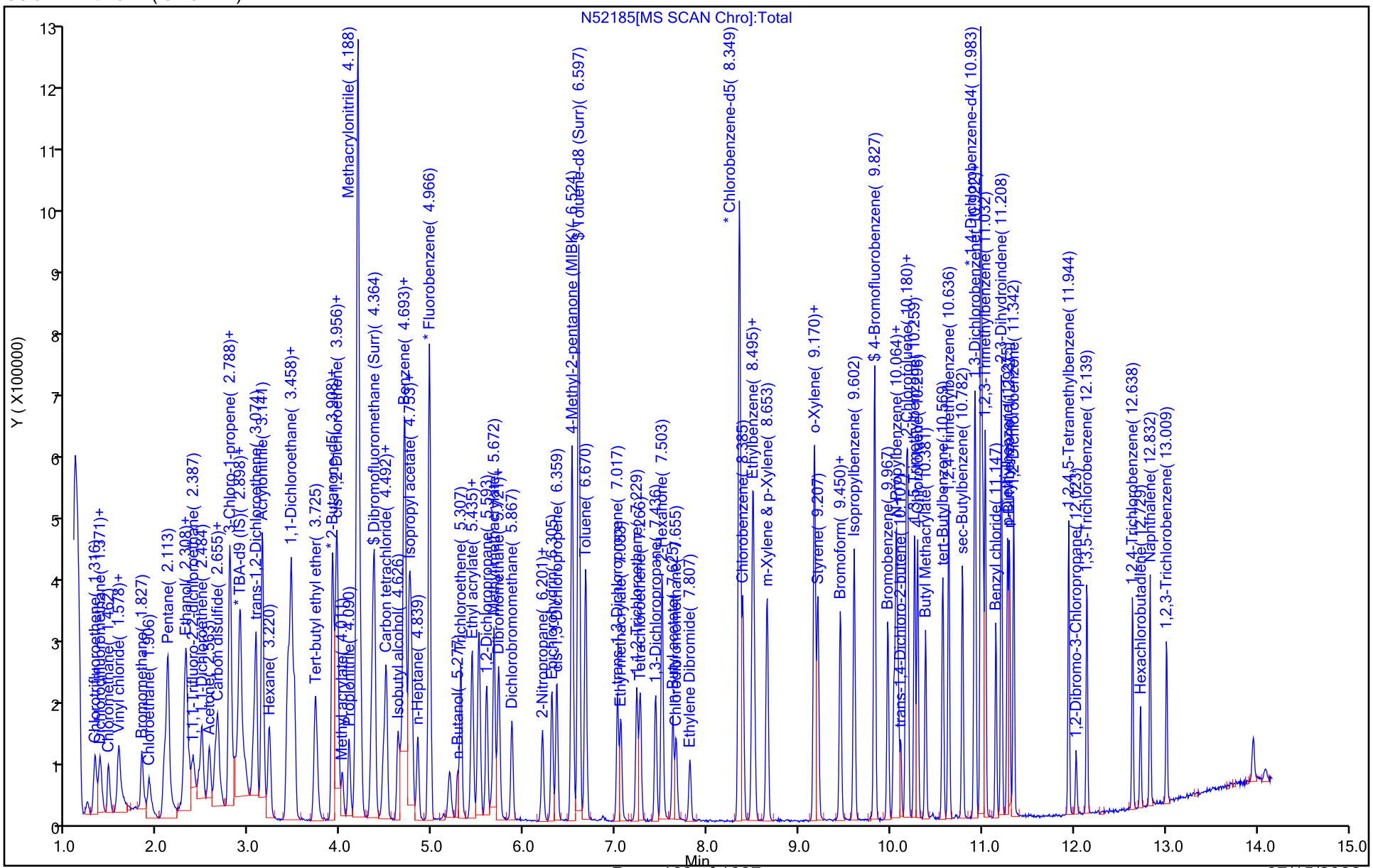
Report Date: 30-Jun-2022 17:02:59 Chrom Revision: 2.3 20-Jun-2022 20:10:40

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20220630-147260.b\N52185.D

Injection Date:	30-Jun-2022 07:53:30	Instrument ID:	CVOAMS11	Operator ID:	
Lims ID:	CCVIS			Worklist Smp#:	2
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	18
Method:	8260W_11	Limit Group:	VOA - 8260D Water and Solid		

Column: Rtx-624 (0.25 mm)



Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20220419-144210.b\N48286.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 19-Apr-2022 10:02:30 ALS Bottle#: 99 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 460-0144210-001
Operator ID: Instrument ID: CVOAMS11

Method: \\chromfs\Edison\ChromData\CVOAMS11\20220419-144210.b\8260W_11.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 20-Apr-2022 21:39:27 Calib Date: 19-Apr-2022 18:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS11\20220419-144210.b\N48302.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1682

First Level Reviewer: moroneyc Date: 19-Apr-2022 10:16:31

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 140 BFB	95	3.163	3.163	0.000	0	84755	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

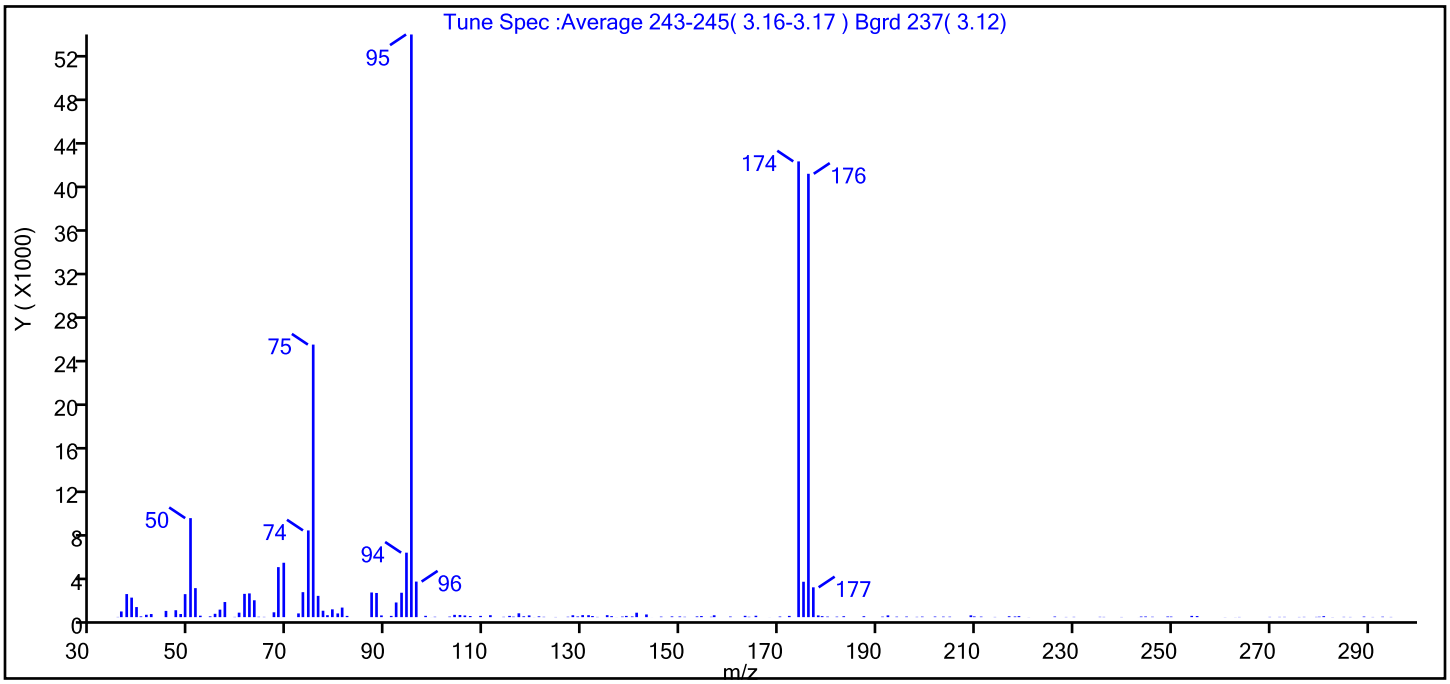
BFB_00031 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20220419-144210.b\N48286.D
Injection Date: 19-Apr-2022 10:02:30 Instrument ID: CVOAMS11
Lims ID: BFB
Client ID:
Operator ID: ALS Bottle#: 99 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Method: 8260W_11 Limit Group: VOA - 8260D Water and Solid
Tune Method: BFB Method 8260

$ 140 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	17.0
75	30 to 60% of m/z 95	46.8
96	5 to 9% of m/z 95	6.1
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	78.2
175	5 to 9% of m/z 174	6.1 (7.8)
176	Greater than 95% but less than 101% of m/z 174	76.1 (97.3)
177	5 to 9% of m/z 176	5.1 (6.7)

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20220419-144210.b\N48286.D\8260W_11.rslt\spectra.d
Injection Date: 19-Apr-2022 10:02:30
Spectrum: Tune Spec :Average 243-245(3.16-3.17) Bgrd 237(3.12)
Base Peak: 95.10
Minimum % Base Peak: 0
Number of Points: 159

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	19	87.00	2247	139.00	114	210.00	66
36.00	518	88.00	2202	140.00	62	211.00	48
37.00	2103	89.00	156	141.00	404	214.00	19
38.00	1780	91.00	115	143.00	244	217.00	80
39.00	918	92.00	1336	144.00	2	218.00	59
40.00	68	93.00	2224	146.00	46	219.00	90
41.00	217	94.00	5876	148.00	67	221.00	7
42.00	283	95.00	53104	150.00	61	226.00	56
45.00	570	96.00	3241	151.00	31	228.00	18
47.00	630	98.00	120	153.00	68	230.00	26
48.00	285	99.00	3	154.00	98	235.00	29
49.00	2096	100.00	34	156.00	32	236.00	23
50.00	9024	103.00	49	157.00	170	240.00	16
51.00	2644	104.00	209	160.00	53	243.00	2
52.00	132	105.00	196	163.00	121	244.00	54
54.00	71	106.00	152	164.00	32	245.00	59
55.00	305	107.00	99	165.00	127	246.00	35
56.00	685	109.00	116	168.00	4	249.00	57
57.00	1378	111.00	176	170.00	56	250.00	49
59.00	22	114.00	29	172.00	113	254.00	115
60.00	408	115.00	115	174.00	41536	255.00	97
61.00	2122	116.00	46	175.00	3226	261.00	9
62.00	2163	117.00	350	176.00	40408	263.00	7
63.00	1538	118.00	77	177.00	2718	264.00	18
64.00	35	119.00	157	178.00	157	270.00	23
65.00	24	120.00	5	179.00	90	272.00	23
67.00	441	121.00	72	180.00	51	273.00	25
68.00	4558	122.00	30	182.00	46	276.00	17
69.00	4957	124.00	16	183.00	83	277.00	25
72.00	340	127.00	35	187.00	84	280.00	24
73.00	2276	128.00	172	191.00	47	280.00	37
74.00	7903	129.00	61	192.00	160	281.00	87
75.00	24840	130.00	183	194.00	45	283.00	11

Report Date: 20-Apr-2022 21:39:27 Chrom Revision: 2.3 12-Apr-2022 20:29:44
Data File: \\chromfs\Edison\ChromData\CVOAMS11\20220419-144210.b\N48286.D\8260W_11.rslt\spectra.d
Injection Date: 19-Apr-2022 10:02:30
Spectrum: Tune Spec :Average 243-245(3.16-3.17) Bgrd 237(3.12)
Base Peak: 95.10
Minimum % Base Peak: 0
Number of Points: 159

m/z	Y	m/z	Y	m/z	Y	m/z	Y
76.00	1939	131.00	176	196.00	54	285.00	26
77.00	585	132.00	102	198.00	27	286.00	18
78.00	176	133.00	21	199.00	48	289.00	53
79.00	711	135.00	180	202.00	55	291.00	17
80.00	339	136.00	90	204.00	46	293.00	41
81.00	872	137.00	4	205.00	42	295.00	19
82.00	114	138.00	52	209.00	164		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-260852-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-852839/8

Matrix: Solid | Lab File ID: N52191.D

Analysis Method: 8260D | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 06/30/2022 10:11

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 852839 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-35-4	1,1-Dichloroethene	0.00026	U	0.0010	0.00026
107-06-2	1,2-Dichloroethane	0.00043	U	0.0010	0.00043
78-93-3	2-Butanone (MEK)	0.0019	U	0.0050	0.0019
71-43-2	Benzene	0.00020	U	0.0010	0.00020
56-23-5	Carbon tetrachloride	0.00021	U	0.0010	0.00021
108-90-7	Chlorobenzene	0.00038	U	0.0010	0.00038
67-66-3	Chloroform	0.00033	U	0.0010	0.00033
127-18-4	Tetrachloroethene	0.00025	U	0.0010	0.00025
79-01-6	Trichloroethene	0.00031	U	0.0010	0.00031
75-01-4	Vinyl chloride	0.00017	U	0.0010	0.00017

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	111		70-128
460-00-4	4-Bromofluorobenzene	87		76-120
1868-53-7	Dibromofluoromethane (Surr)	98		77-124
2037-26-5	Toluene-d8 (Surr)	92		80-120

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20220630-147260.b\N52191.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 30-Jun-2022 10:11:30 ALS Bottle#: 24 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 460-0147260-008
Operator ID: Instrument ID: CVOAMS11

Method: \\chromfs\Edison\ChromData\CVOAMS11\20220630-147260.b\8260W_11.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 30-Jun-2022 18:04:52 Calib Date: 19-Apr-2022 18:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS11\20220419-144210.b\N48302.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1662

First Level Reviewer: RD6L Date: 30-Jun-2022 15:12:08

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 31 TBA-d9 (IS)	66	2.904	2.898	0.006	68	68411	1000.0	1000.0	
* 43 2-Butanone-d5	46	3.914	3.908	0.006	95	548146	250.0	250.0	
$ 56 Dibromofluoromethane (Surr)	113	4.370	4.370	0.000	95	170024	50.0	49.0	
$ 62 1,2-Dichloroethane-d4 (Surr)	65	4.705	4.705	0.000	82	215887	50.0	55.5	
* 67 Fluorobenzene	96	4.972	4.966	0.006	98	714379	50.0	50.0	
* 73 1,4-Dioxane-d8	96	5.648	5.642	0.006	76	40560	1000.0	1000.0	
$ 84 Toluene-d8 (Surr)	98	6.597	6.597	0.000	98	616927	50.0	46.0	
* 95 Chlorobenzene-d5	117	8.349	8.349	0.000	88	497595	50.0	50.0	
$ 106 4-Bromofluorobenzene	174	9.827	9.827	0.000	85	167995	50.0	43.3	
* 122 1,4-Dichlorobenzene-d4	152	10.989	10.989	0.000	97	263669	50.0	50.0	

QC Flag Legend
Processing Flags

Reagents:
8260ISNEW_00171 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00230 Amount Added: 1.00 Units: uL Run Reagent

Report Date: 30-Jun-2022 18:04:54 Chrom Revision: 2.3 20-Jun-2022 20:10:40

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20220630-147260.b\N52191.D

Injection Date: 30-Jun-2022 10:11:30 Instrument ID: CVOAMS11 Operator ID:

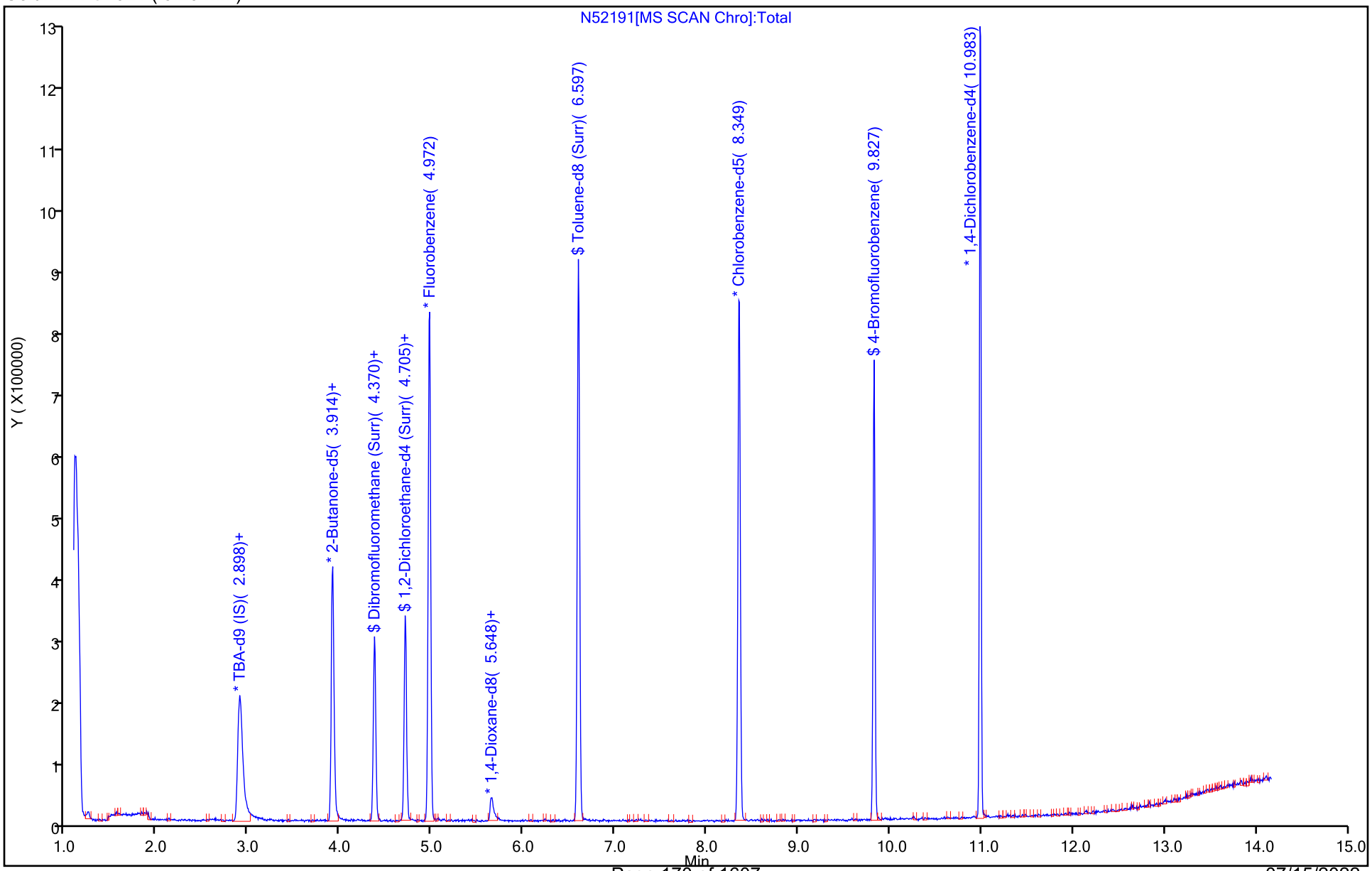
Lims ID: MB Worklist Smp#: 8

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 24

Method: 8260W_11 Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-260852-1

SDG No.:

Client Sample ID: | Lab Sample ID: LB 460-852599/1-A

Matrix: Solid (TCLP) | Lab File ID: N52193.D

Analysis Method: 8260D | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 06/30/2022 10:57

Soil Aliquot Vol: | Dilution Factor: 10

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 852839 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-35-4	1,1-Dichloroethene	0.0026	U	0.010	0.0026
107-06-2	1,2-Dichloroethane	0.0043	U	0.010	0.0043
78-93-3	2-Butanone (MEK)	0.019	U	0.050	0.019
71-43-2	Benzene	0.0020	U	0.010	0.0020
56-23-5	Carbon tetrachloride	0.0021	U	0.010	0.0021
108-90-7	Chlorobenzene	0.0038	U	0.010	0.0038
67-66-3	Chloroform	0.0033	U	0.010	0.0033
127-18-4	Tetrachloroethene	0.0025	U	0.010	0.0025
79-01-6	Trichloroethene	0.0031	U	0.010	0.0031
75-01-4	Vinyl chloride	0.0017	U	0.010	0.0017

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	111		70-128
460-00-4	4-Bromofluorobenzene	84		76-120
1868-53-7	Dibromofluoromethane (Surr)	98		77-124
2037-26-5	Toluene-d8 (Surr)	90		80-120

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20220630-147260.b\N52193.D
Lims ID: LB 460-852599/1-A
Client ID:
Sample Type: LB
Inject. Date: 30-Jun-2022 10:57:30 ALS Bottle#: 26 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 10.0000
Sample Info: LB 460-852599/1-A
Misc. Info.: 460-0147260-009
Operator ID: Instrument ID: CVOAMS11

Method: \\chromfs\Edison\ChromData\CVOAMS11\20220630-147260.b\8260W_11.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 30-Jun-2022 11:33:40 Calib Date: 19-Apr-2022 18:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS11\20220419-144210.b\N48302.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1635

First Level Reviewer: KG2Q Date: 30-Jun-2022 11:33:40

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
28 Methyl acetate	74	2.789	2.788	0.000	100	7081		8.03	
* 31 TBA-d9 (IS)	66	2.892	2.898	-0.006	68	65380	1000.0	1000.0	
* 43 2-Butanone-d5	46	3.908	3.908	0.000	95	508237	250.0	250.0	
$ 56 Dibromofluoromethane (Surr)	113	4.364	4.370	-0.006	95	166277	50.0	49.0	
$ 62 1,2-Dichloroethane-d4 (Surr)	65	4.705	4.705	0.000	82	210364	50.0	55.4	
* 67 Fluorobenzene	96	4.966	4.966	0.000	98	698094	50.0	50.0	
* 73 1,4-Dioxane-d8	96	5.648	5.642	0.006	76	38684	1000.0	1000.0	
$ 84 Toluene-d8 (Surr)	98	6.597	6.597	0.000	99	582990	50.0	45.1	
* 95 Chlorobenzene-d5	117	8.349	8.349	0.000	88	479094	50.0	50.0	
$ 106 4-Bromofluorobenzene	174	9.827	9.827	0.000	85	156523	50.0	41.9	
* 122 1,4-Dichlorobenzene-d4	152	10.989	10.989	0.000	97	256736	50.0	50.0	

QC Flag Legend
Processing Flags

Reagents:
8260ISNEW_00171 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00230 Amount Added: 1.00 Units: uL Run Reagent

Report Date: 30-Jun-2022 11:33:41 Chrom Revision: 2.3 20-Jun-2022 20:10:40

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20220630-147260.b\N52193.D

Injection Date: 30-Jun-2022 10:57:30 Instrument ID: CVOAMS11 Operator ID:

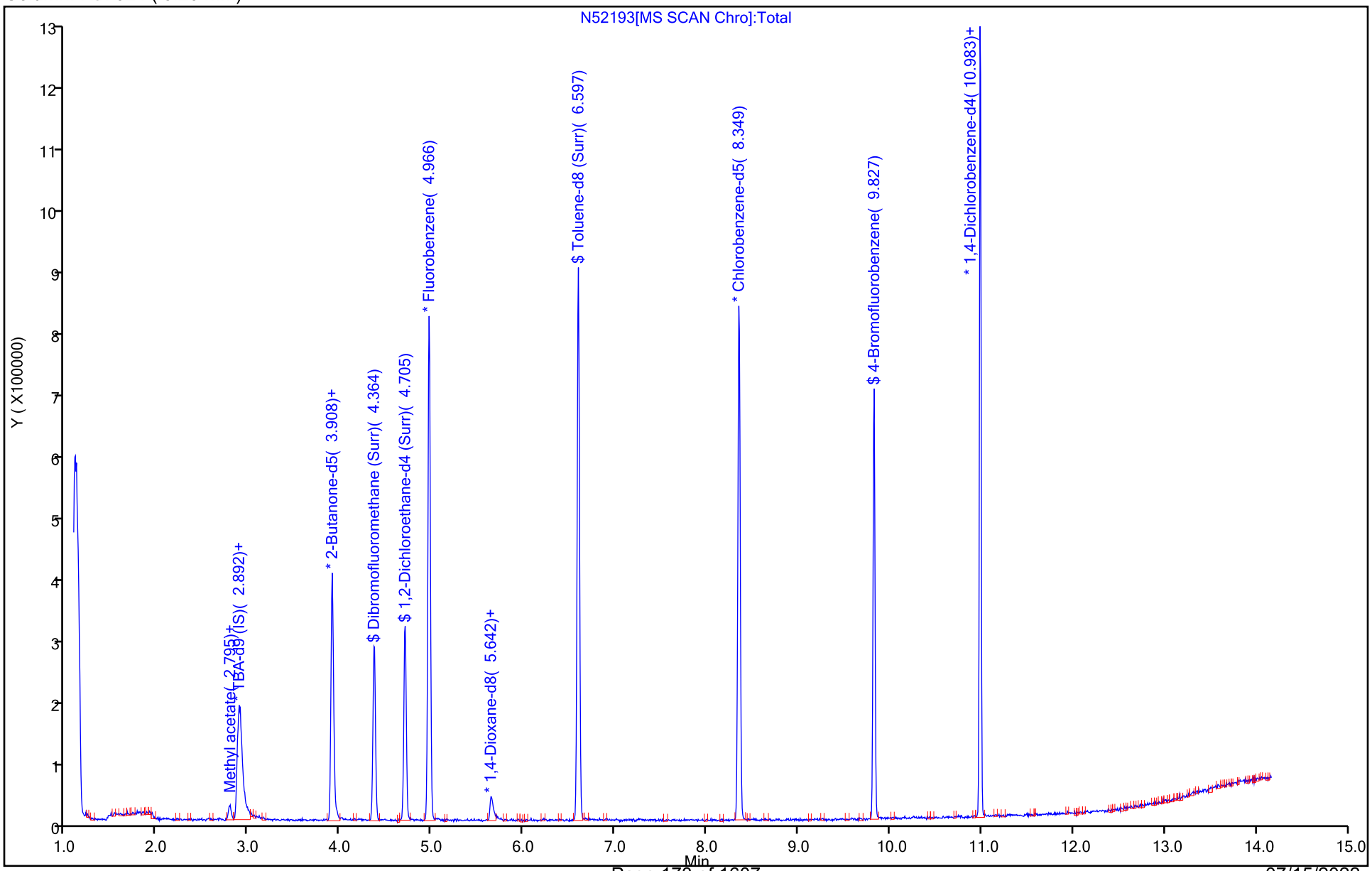
Lims ID: LB 460-852599/1-A Worklist Smp#: 9

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 10.0000 ALS Bottle#: 26

Method: 8260W_11 Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-260852-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 460-852839/3

Matrix: Solid | Lab File ID: N52186.D

Analysis Method: 8260D | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 06/30/2022 08:16

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 852839 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-35-4	1,1-Dichloroethene	0.0148		0.0010	0.00026
107-06-2	1,2-Dichloroethane	0.0229		0.0010	0.00043
78-93-3	2-Butanone (MEK)	0.0850		0.0050	0.0019
71-43-2	Benzene	0.0191		0.0010	0.00020
56-23-5	Carbon tetrachloride	0.0188		0.0010	0.00021
108-90-7	Chlorobenzene	0.0190		0.0010	0.00038
67-66-3	Chloroform	0.0212		0.0010	0.00033
127-18-4	Tetrachloroethene	0.0176		0.0010	0.00025
79-01-6	Trichloroethene	0.0178		0.0010	0.00031
75-01-4	Vinyl chloride	0.0203		0.0010	0.00017

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	110		70-128
460-00-4	4-Bromofluorobenzene	88		76-120
1868-53-7	Dibromofluoromethane (Surr)	97		77-124
2037-26-5	Toluene-d8 (Surr)	93		80-120

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20220630-147260.b\N52186.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 30-Jun-2022 08:16:30 ALS Bottle#: 19 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 460-0147260-003
Operator ID: Instrument ID: CVOAMS11

Method: \\chromfs\Edison\ChromData\CVOAMS11\20220630-147260.b\8260W_11.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 30-Jun-2022 09:07:47 Calib Date: 19-Apr-2022 18:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS11\20220419-144210.b\N48302.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1635

First Level Reviewer: KG2Q Date: 30-Jun-2022 09:07:47

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
4 Chlorotrifluoroethene	116	1.322	1.328	-0.006	55	32754	20.0	17.3	
5 Dichlorodifluoromethane	85	1.359	1.353	0.006	98	92845	20.0	14.9	
6 Chlorodifluoromethane	51	1.371	1.377	-0.006	97	112759	20.0	22.9	
7 Chloromethane	52	1.462	1.462	0.000	99	31557	20.0	18.9	
8 Vinyl chloride	62	1.572	1.566	0.006	98	99324	20.0	20.3	
9 Butadiene	54	1.584	1.590	-0.006	52	57184	20.0	14.9	
10 Bromomethane	94	1.833	1.827	0.006	98	67365	20.0	21.9	
11 Chloroethane	64	1.912	1.906	0.006	100	48247	20.0	17.3	
13 Trichlorofluoromethane	101	2.089	2.071	0.018	60	80643	20.0	16.1	
12 Dichlorofluoromethane	67	2.083	2.077	0.006	97	128739	20.0	18.1	
14 Pentane	72	2.119	2.119	0.000	98	18803	40.0	29.6	
15 Ethanol	46	2.259	2.290	-0.031	76	25916	800.0	985.8	a
16 Ethyl ether	74	2.296	2.296	0.000	90	48730	20.0	19.5	
17 2-Methyl-1,3-butadiene	53	2.320	2.314	0.006	99	63202	20.0	21.0	
18 1,2-Dichloro-1,1,2-trifluoroetha	117	2.344	2.344	0.000	91	46884	20.0	14.7	
19 1,1,1-Trifluoro-2,2-dichloroetha	83	2.393	2.387	0.006	93	77299	20.0	15.2	a
20 Acrolein	56	2.454	2.448	0.006	95	26981	40.0	55.0	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.472	2.460	0.012	88	36287	20.0	18.3	
22 1,1-Dichloroethene	96	2.490	2.484	0.006	95	52635	20.0	14.8	
23 Acetone	58	2.569	2.563	0.006	86	50072	100.0	85.0	
24 Iodomethane	142	2.630	2.630	0.000	98	117876	20.0	17.9	
25 Isopropyl alcohol	45	2.655	2.655	0.000	42	68227	200.0	234.4	a
26 Carbon disulfide	76	2.661	2.655	0.006	100	218400	20.0	16.3	
27 3-Chloro-1-propene	76	2.788	2.782	0.006	96	70458	20.0	18.1	
28 Methyl acetate	74	2.788	2.788	0.000	99	33458	40.0	34.6	
29 Cyclopentene	67	2.801	2.801	0.000	93	184182	20.0	18.5	
30 Acetonitrile	41	2.849	2.843	0.006	96	167181	200.0	246.8	
* 31 TBA-d9 (IS)	66	2.898	2.898	0.000	97	71696	1000.0	1000.0	
32 Methylene Chloride	84	2.904	2.904	0.000	96	83307	20.0	17.8	
33 2-Methyl-2-propanol	59	2.965	2.959	0.006	97	99485	200.0	183.3	a
34 Methyl tert-butyl ether	73	3.062	3.050	0.012	97	200649	20.0	18.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
35 trans-1,2-Dichloroethene	96	3.080	3.074	0.006	98	80904	20.0	18.8	
36 Acrylonitrile	53	3.147	3.141	0.006	94	401937	200.0	187.8	
37 Hexane	56	3.226	3.226	0.000	94	39965	20.0	18.3	
38 Isopropyl ether	45	3.427	3.421	0.006	97	291717	20.0	21.4	
39 1,1-Dichloroethane	63	3.458	3.452	0.006	99	164396	20.0	21.0	
40 Vinyl acetate	86	3.470	3.458	0.012	100	32593	40.0	38.1	
41 2-Chloro-1,3-butadiene	88	3.500	3.494	0.006	92	73890	20.0	19.5	
42 Tert-butyl ethyl ether	59	3.731	3.725	0.006	89	224450	20.0	18.7	
* 43 2-Butanone-d5	46	3.914	3.908	0.006	98	528440	250.0	250.0	
44 2,2-Dichloropropane	79	3.932	3.920	0.012	48	28419	20.0	21.2	a
45 cis-1,2-Dichloroethene	96	3.950	3.944	0.006	95	89928	20.0	18.3	
46 2-Butanone (MEK)	72	3.969	3.956	0.013	96	56883	100.0	85.0	
47 Ethyl acetate	70	3.975	3.963	0.012	96	19742	40.0	32.2	
48 Methyl acrylate	55	4.017	4.017	0.000	99	80089	20.0	21.4	
49 Propionitrile	54	4.090	4.090	0.000	98	156035	200.0	217.3	
50 Tetrahydrofuran	72	4.169	4.157	0.012	67	25313	40.0	33.3	
51 Chlorobromomethane	128	4.169	4.163	0.006	91	47511	20.0	20.2	
52 Methacrylonitrile	67	4.194	4.188	0.006	94	404200	200.0	210.9	
53 Chloroform	83	4.218	4.218	0.000	97	154762	20.0	21.2	
54 Cyclohexane	84	4.346	4.340	0.006	94	76277	20.0	16.2	
55 1,1,1-Trichloroethane	97	4.358	4.352	0.006	97	100531	20.0	18.8	
$ 56 Dibromofluoromethane (Surr)	113	4.370	4.370	0.000	95	168185	50.0	48.6	
57 Carbon tetrachloride	117	4.474	4.474	0.000	97	85930	20.0	18.8	
58 1,1-Dichloropropene	75	4.504	4.498	0.006	95	104702	20.0	18.7	
59 Isobutyl alcohol	43	4.632	4.626	0.006	97	122663	500.0	486.4	
60 Isooctane	57	4.662	4.656	0.006	95	97516	20.0	20.5	a
61 Benzene	78	4.693	4.687	0.007	97	329825	20.0	19.1	
$ 62 1,2-Dichloroethane-d4 (Surr)	65	4.705	4.705	0.000	91	213042	50.0	54.9	
64 Isopropyl acetate	43	4.753	4.747	0.006	95	261109	20.0	23.1	
63 Tert-amyl methyl ether	73	4.760	4.753	0.007	91	234267	20.0	19.1	
65 1,2-Dichloroethane	62	4.778	4.778	0.000	96	121336	20.0	22.9	
66 n-Heptane	57	4.845	4.839	0.006	94	28033	20.0	17.2	
* 67 Fluorobenzene	96	4.972	4.966	0.006	98	712382	50.0	50.0	
68 n-Butanol	56	5.277	5.271	0.006	91	55513	500.0	414.0	
69 Trichloroethene	95	5.313	5.307	0.006	97	77853	20.0	17.8	
70 Ethyl acrylate	99	5.441	5.429	0.012	96	10370	20.0	17.5	
71 Methylcyclohexane	83	5.435	5.435	0.000	71	82878	20.0	16.0	
72 1,2-Dichloropropane	63	5.593	5.593	0.000	89	88147	20.0	20.3	
* 73 1,4-Dioxane-d8	96	5.648	5.642	0.006	80	43374	1000.0	1000.0	
74 Methyl methacrylate	100	5.678	5.672	0.006	92	41040	40.0	34.9	
75 1,4-Dioxane	88	5.702	5.696	0.006	89	21834	400.0	367.8	
76 Dibromomethane	93	5.721	5.715	0.006	92	53975	20.0	20.1	
77 n-Propyl acetate	43	5.733	5.727	0.006	99	140512	20.0	22.1	
78 Dichlorobromomethane	83	5.873	5.867	0.006	98	106511	20.0	19.9	
79 2-Nitropropane	41	6.201	6.201	0.000	85	44123	40.0	33.2	
80 2-Chloroethyl vinyl ether	63	6.207	6.201	0.006	68	36111	20.0	15.1	
81 Epichlorohydrin	57	6.305	6.305	0.000	99	191833	400.0	371.9	
82 cis-1,3-Dichloropropene	75	6.359	6.353	0.006	95	126245	20.0	18.2	
83 4-Methyl-2-pentanone (MIBK)	43	6.524	6.524	0.000	98	499507	100.0	97.1	
$ 84 Toluene-d8 (Surr)	98	6.597	6.597	0.000	98	633620	50.0	46.3	
85 Toluene	91	6.676	6.670	0.006	93	312510	20.0	18.0	
86 trans-1,3-Dichloropropene	75	7.023	7.023	0.000	98	114561	20.0	18.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
87 Ethyl methacrylate	69	7.059	7.059	0.000	92	89664	20.0	16.2	
88 1,1,2-Trichloroethane	83	7.229	7.229	0.000	95	65281	20.0	19.6	
89 Tetrachloroethene	166	7.272	7.272	0.000	94	64210	20.0	17.6	
90 1,3-Dichloropropane	76	7.436	7.436	0.000	95	122156	20.0	19.7	
91 2-Hexanone	58	7.509	7.503	0.006	98	163673	100.0	82.5	
92 n-Butyl acetate	43	7.625	7.625	0.000	97	141820	20.0	21.4	
93 Chlorodibromomethane	129	7.661	7.661	0.000	98	69613	20.0	18.7	
94 Ethylene Dibromide	107	7.807	7.807	0.000	98	71515	20.0	18.5	
* 95 Chlorobenzene-d5	117	8.355	8.349	0.006	88	507671	50.0	50.0	
96 Chlorobenzene	112	8.391	8.385	0.006	93	196513	20.0	19.0	
97 Ethylbenzene	106	8.495	8.495	0.000	99	96209	20.0	17.0	
98 1,1,1,2-Tetrachloroethane	131	8.513	8.507	0.006	94	72395	20.0	18.5	
99 m-Xylene & p-Xylene	106	8.653	8.653	0.000	99	116985	20.0	16.9	
100 o-Xylene	106	9.170	9.170	0.000	92	118088	20.0	16.7	
101 n-Butyl acrylate	73	9.170	9.170	0.000	69	53847	20.0	15.2	
102 Styrene	104	9.207	9.207	0.000	93	189456	20.0	15.9	
103 Amyl acetate (mixed isomers)	43	9.456	9.450	0.006	90	152970	20.0	18.8	
104 Bromoform	173	9.450	9.450	0.000	85	43090	20.0	16.6	
105 Isopropylbenzene	105	9.602	9.602	0.000	97	285414	20.0	16.7	
$ 106 4-Bromofluorobenzene	174	9.827	9.827	0.000	85	173829	50.0	43.9	
107 Bromobenzene	156	9.973	9.973	0.000	95	78351	20.0	17.8	
108 1,1,2,2-Tetrachloroethane	83	10.034	10.034	0.000	98	108831	20.0	20.8	
109 N-Propylbenzene	91	10.064	10.064	0.000	99	332335	20.0	16.7	
110 1,2,3-Trichloropropane	110	10.083	10.083	0.000	97	28940	20.0	18.8	
111 trans-1,4-Dichloro-2-butene	53	10.107	10.107	0.000	79	21458	20.0	15.2	
112 2-Chlorotoluene	91	10.168	10.168	0.000	97	252965	20.0	17.7	
113 4-Ethyltoluene	105	10.186	10.186	0.000	97	285205	20.0	17.8	
114 1,3,5-Trimethylbenzene	105	10.265	10.265	0.000	93	229235	20.0	16.3	
115 4-Chlorotoluene	91	10.296	10.296	0.000	98	238122	20.0	17.6	
116 Butyl Methacrylate	87	10.381	10.381	0.000	95	68528	20.0	12.1	
117 tert-Butylbenzene	119	10.569	10.569	0.000	92	169399	20.0	16.2	
118 1,2,4-Trimethylbenzene	105	10.636	10.636	0.000	98	244123	20.0	16.6	
119 sec-Butylbenzene	105	10.782	10.782	0.000	99	248248	20.0	16.5	
120 1,3-Dichlorobenzene	146	10.916	10.916	0.000	94	146659	20.0	18.8	
121 4-Isopropyltoluene	119	10.928	10.928	0.000	97	204716	20.0	15.8	
* 122 1,4-Dichlorobenzene-d4	152	10.989	10.989	0.000	97	281742	50.0	50.0	
123 1,4-Dichlorobenzene	146	11.007	11.007	0.000	94	152729	20.0	18.7	
124 1,2,3-Trimethylbenzene	105	11.032	11.032	0.000	99	281603	20.0	17.2	
125 Benzyl chloride	126	11.147	11.147	0.000	99	35083	20.0	17.1	
126 2,3-Dihydroindene	117	11.208	11.208	0.000	94	286610	20.0	18.0	
127 p-Diethylbenzene	119	11.275	11.275	0.000	93	110460	20.0	16.6	
128 n-Butylbenzene	92	11.299	11.299	0.000	97	112859	20.0	17.7	
129 1,2-Dichlorobenzene	146	11.342	11.342	0.000	94	151325	20.0	18.8	
130 1,2,4,5-Tetramethylbenzene	119	11.944	11.944	0.000	97	200674	20.0	15.3	
131 1,2-Dibromo-3-Chloropropane	157	12.029	12.023	0.006	93	20879	20.0	17.5	
132 1,3,5-Trichlorobenzene	180	12.145	12.145	0.000	96	85626	20.0	18.3	
133 1,2,4-Trichlorobenzene	180	12.638	12.638	0.000	93	80036	20.0	17.4	
134 Hexachlorobutadiene	225	12.729	12.729	0.000	89	21868	20.0	14.9	
135 Naphthalene	128	12.832	12.832	0.000	99	237679	20.0	17.2	
136 1,2,3-Trichlorobenzene	180	13.009	13.015	-0.006	95	67280	20.0	20.3	
S 137 1,2-Dichloroethene, Total	100				0		40.0	37.1	
S 138 Xylenes, Total	100				0		40.0	33.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 139 Total BTEX	1				0		100.0	87.6	

QC Flag Legend

Processing Flags
Review Flags
a - User Assigned ID

Reagents:

8260MIX1COMB_00155	Amount Added:	20.00	Units: uL	
524freon_00053	Amount Added:	20.00	Units: uL	
ACROLEIN W_00141	Amount Added:	4.00	Units: uL	
GASES Li_00482	Amount Added:	20.00	Units: uL	
8260ISNEW_00171	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00230	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 30-Jun-2022 09:07:48 Chrom Revision: 2.3 20-Jun-2022 20:10:40

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20220630-147260.b\N52186.D

Injection Date: 30-Jun-2022 08:16:30 Instrument ID: CVOAMS11 Operator ID:

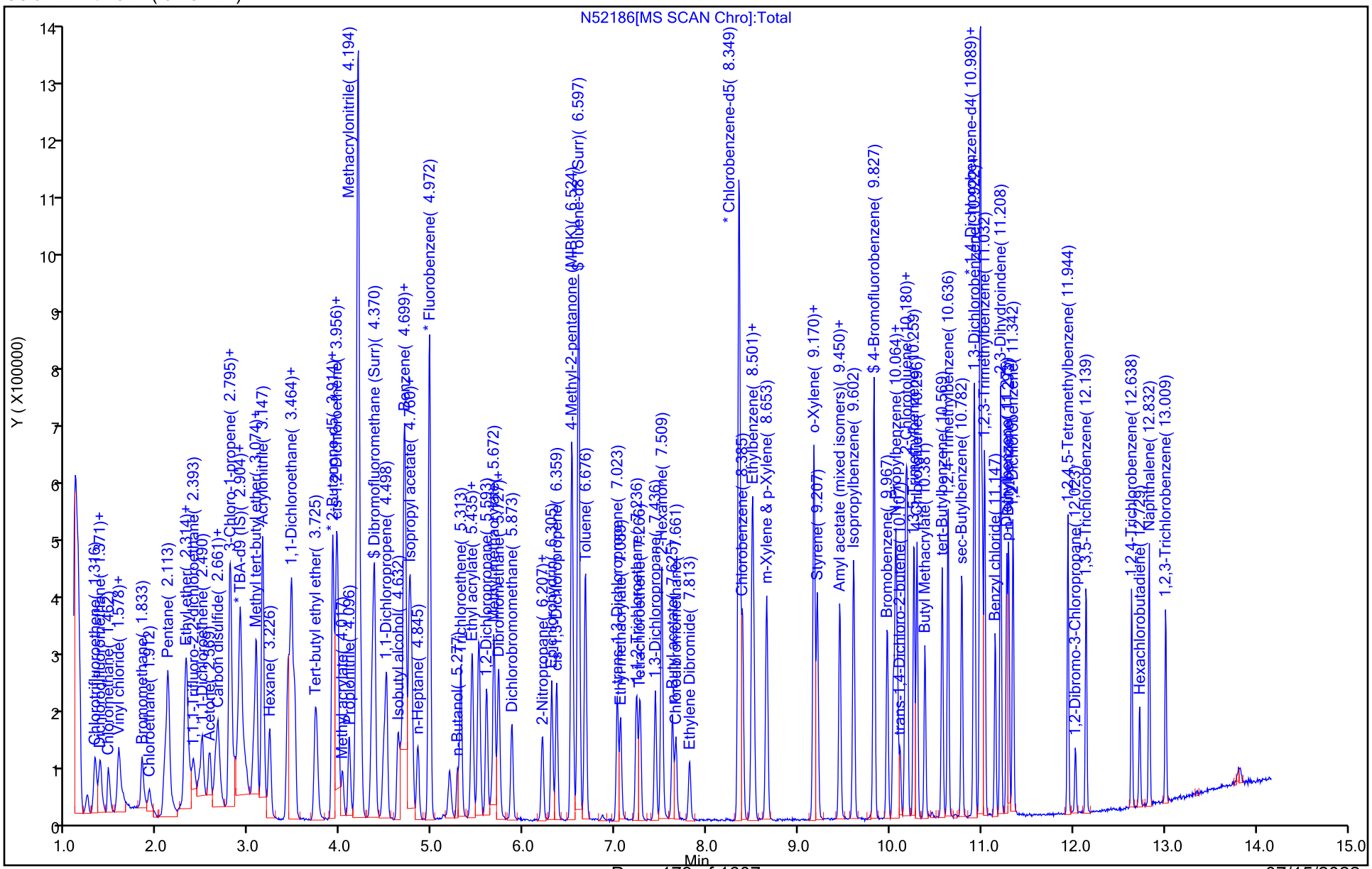
Lims ID: LCS Worklist Smp#: 3

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 19

Method: 8260W_11 Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-260852-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 460-852839/4

Matrix: Solid | Lab File ID: N52187.D

Analysis Method: 8260D | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 06/30/2022 08:39

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 852839 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-35-4	1,1-Dichloroethene	0.0152		0.0010	0.00026
107-06-2	1,2-Dichloroethane	0.0220		0.0010	0.00043
78-93-3	2-Butanone (MEK)	0.0825		0.0050	0.0019
71-43-2	Benzene	0.0188		0.0010	0.00020
56-23-5	Carbon tetrachloride	0.0180		0.0010	0.00021
108-90-7	Chlorobenzene	0.0189		0.0010	0.00038
67-66-3	Chloroform	0.0203		0.0010	0.00033
127-18-4	Tetrachloroethene	0.0173		0.0010	0.00025
79-01-6	Trichloroethene	0.0178		0.0010	0.00031
75-01-4	Vinyl chloride	0.0199		0.0010	0.00017

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	108		70-128
460-00-4	4-Bromofluorobenzene	89		76-120
1868-53-7	Dibromofluoromethane (Surr)	96		77-124
2037-26-5	Toluene-d8 (Surr)	93		80-120

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20220630-147260.b\N52187.D
Lims ID: LCSD
Client ID:
Sample Type: LCSD
Inject. Date: 30-Jun-2022 08:39:30 ALS Bottle#: 20 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCSD
Misc. Info.: 460-0147260-004
Operator ID: Instrument ID: CVOAMS11

Method: \\chromfs\Edison\ChromData\CVOAMS11\20220630-147260.b\8260W_11.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 30-Jun-2022 09:09:21 Calib Date: 19-Apr-2022 18:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS11\20220419-144210.b\N48302.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1635

First Level Reviewer: KG2Q Date: 30-Jun-2022 09:09:21

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
4 Chlorotrifluoroethene	116	1.328	1.328	0.000	51	33959	20.0	16.9	
5 Dichlorodifluoromethane	85	1.365	1.353	0.012	98	91289	20.0	13.8	
6 Chlorodifluoromethane	51	1.377	1.377	0.000	97	116489	20.0	22.3	
7 Chloromethane	52	1.462	1.462	0.000	99	32009	20.0	18.5	
8 Vinyl chloride	62	1.572	1.566	0.006	98	103291	20.0	19.9	
9 Butadiene	54	1.590	1.590	0.000	95	56636	20.0	14.0	
10 Bromomethane	94	1.827	1.827	0.000	98	69625	20.0	21.3	
11 Chloroethane	64	1.906	1.906	0.000	100	54118	20.0	18.3	
13 Trichlorofluoromethane	101	2.083	2.071	0.012	66	78880	20.0	14.8	
12 Dichlorofluoromethane	67	2.077	2.077	0.000	97	131672	20.0	17.4	
14 Pentane	72	2.113	2.119	-0.006	98	19703	40.0	31.6	
15 Ethanol	46	2.283	2.290	-0.007	85	25509	800.0	987.5	
16 Ethyl ether	74	2.296	2.296	0.000	91	49297	20.0	18.6	
17 2-Methyl-1,3-butadiene	53	2.314	2.314	0.000	98	67754	20.0	21.2	
18 1,2-Dichloro-1,1,2-trifluoroetha	117	2.338	2.344	-0.006	74	46340	20.0	13.7	
19 1,1,1-Trifluoro-2,2-dichloroetha	83	2.393	2.387	0.006	92	80540	20.0	14.9	a
20 Acrolein	56	2.460	2.448	0.012	96	28435	40.0	59.1	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.472	2.460	0.012	89	31970	20.0	15.2	
22 1,1-Dichloroethene	96	2.484	2.484	0.000	96	57612	20.0	15.2	
23 Acetone	58	2.569	2.563	0.006	85	50945	100.0	83.3	
24 Iodomethane	142	2.630	2.630	0.000	99	112831	20.0	16.1	
25 Isopropyl alcohol	45	2.648	2.655	-0.007	42	67374	200.0	235.6	a
26 Carbon disulfide	76	2.661	2.655	0.006	100	223461	20.0	15.8	
27 3-Chloro-1-propene	76	2.782	2.782	0.000	97	72610	20.0	17.6	
28 Methyl acetate	74	2.794	2.788	0.006	100	35752	40.0	37.6	
29 Cyclopentene	67	2.801	2.801	-0.001	94	195784	20.0	18.5	
30 Acetonitrile	41	2.843	2.843	0.000	96	164839	200.0	247.7	
* 31 TBA-d9 (IS)	66	2.892	2.898	-0.006	96	70448	1000.0	1000.0	
32 Methylene Chloride	84	2.904	2.904	0.000	96	86128	20.0	17.3	
33 2-Methyl-2-propanol	59	2.965	2.959	0.006	99	116938	200.0	219.3	a
34 Methyl tert-butyl ether	73	3.056	3.050	0.006	97	218839	20.0	18.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
35 trans-1,2-Dichloroethene	96	3.080	3.074	0.006	98	83957	20.0	18.4	
36 Acrylonitrile	53	3.147	3.141	0.006	94	423875	200.0	201.6	
37 Hexane	56	3.220	3.226	-0.006	92	41624	20.0	17.9	
38 Isopropyl ether	45	3.427	3.421	0.006	98	315460	20.0	21.8	
39 1,1-Dichloroethane	63	3.451	3.452	-0.001	99	173976	20.0	20.9	
40 Vinyl acetate	86	3.464	3.458	0.006	100	34084	40.0	38.4	
41 2-Chloro-1,3-butadiene	88	3.494	3.494	0.000	94	73557	20.0	18.3	
42 Tert-butyl ethyl ether	59	3.725	3.725	0.000	89	238235	20.0	18.7	
* 43 2-Butanone-d5	46	3.908	3.908	0.000	98	548477	250.0	250.0	
44 2,2-Dichloropropane	79	3.926	3.920	0.006	95	29412	20.0	20.6	
45 cis-1,2-Dichloroethene	96	3.950	3.944	0.006	94	96385	20.0	18.5	
46 2-Butanone (MEK)	72	3.962	3.956	0.006	97	57335	100.0	82.5	
47 Ethyl acetate	70	3.969	3.963	0.006	97	21284	40.0	33.4	
48 Methyl acrylate	55	4.017	4.017	0.000	99	87519	20.0	22.1	
49 Propionitrile	54	4.090	4.090	0.000	97	158825	200.0	225.1	
50 Tetrahydrofuran	72	4.163	4.157	0.006	76	25458	40.0	32.2	
51 Chlorobromomethane	128	4.169	4.163	0.006	96	47321	20.0	18.9	
52 Methacrylonitrile	67	4.188	4.188	0.000	95	420302	200.0	206.7	
53 Chloroform	83	4.218	4.218	0.000	97	157270	20.0	20.3	
54 Cyclohexane	84	4.340	4.340	0.000	97	78261	20.0	15.6	
55 1,1,1-Trichloroethane	97	4.358	4.352	0.006	98	103091	20.0	18.2	
$ 56 Dibromofluoromethane (Surr)	113	4.370	4.370	0.000	95	175862	50.0	47.9	
57 Carbon tetrachloride	117	4.467	4.474	-0.007	96	87457	20.0	18.0	
58 1,1-Dichloropropene	75	4.498	4.498	0.000	95	113571	20.0	19.1	
59 Isobutyl alcohol	43	4.620	4.626	-0.006	98	130863	500.0	528.1	
60 Isooctane	57	4.656	4.656	0.000	90	104349	20.0	20.7	a
61 Benzene	78	4.686	4.687	0.000	98	340676	20.0	18.8	
$ 62 1,2-Dichloroethane-d4 (Surr)	65	4.705	4.705	0.000	97	222363	50.0	54.0	
64 Isopropyl acetate	43	4.747	4.747	0.000	94	274996	20.0	22.9	
63 Tert-amyl methyl ether	73	4.753	4.753	0.000	76	246976	20.0	19.0	
65 1,2-Dichloroethane	62	4.778	4.778	0.000	96	123718	20.0	22.0	
66 n-Heptane	57	4.839	4.839	-0.001	95	30728	20.0	17.8	
* 67 Fluorobenzene	96	4.972	4.966	0.006	98	755969	50.0	50.0	
68 n-Butanol	56	5.277	5.271	0.006	93	57873	500.0	439.2	
69 Trichloroethene	95	5.313	5.307	0.006	96	82492	20.0	17.8	
70 Ethyl acrylate	99	5.435	5.429	0.006	97	9987	20.0	15.9	
71 Methylcyclohexane	83	5.435	5.435	0.000	68	84301	20.0	15.4	a
72 1,2-Dichloropropane	63	5.593	5.593	0.000	90	92797	20.0	20.1	
* 73 1,4-Dioxane-d8	96	5.648	5.642	0.006	87	45439	1000.0	1000.0	
74 Methyl methacrylate	100	5.672	5.672	0.000	91	41834	40.0	33.5	
75 1,4-Dioxane	88	5.702	5.696	0.006	85	21702	400.0	349.0	
76 Dibromomethane	93	5.715	5.715	0.000	95	55376	20.0	19.5	
77 n-Propyl acetate	43	5.727	5.727	0.000	100	148671	20.0	22.0	
78 Dichlorobromomethane	83	5.867	5.867	0.000	99	111412	20.0	19.6	
79 2-Nitropropane	41	6.195	6.201	-0.006	90	46558	40.0	35.8	
80 2-Chloroethyl vinyl ether	63	6.201	6.201	0.000	66	38818	20.0	15.3	
81 Epichlorohydrin	57	6.305	6.305	0.000	99	197749	400.0	369.4	
82 cis-1,3-Dichloropropene	75	6.359	6.353	0.006	95	136964	20.0	18.8	
83 4-Methyl-2-pentanone (MIBK)	43	6.524	6.524	0.000	98	512428	100.0	96.0	
$ 84 Toluene-d8 (Surr)	98	6.597	6.597	0.000	98	667118	50.0	46.3	
85 Toluene	91	6.670	6.670	0.000	93	323934	20.0	17.7	
86 trans-1,3-Dichloropropene	75	7.023	7.023	-0.001	98	117729	20.0	18.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
87 Ethyl methacrylate	69	7.059	7.059	0.000	93	96712	20.0	16.5	
88 1,1,2-Trichloroethane	83	7.229	7.229	0.000	95	65991	20.0	18.8	
89 Tetrachloroethene	166	7.272	7.272	0.000	94	66238	20.0	17.3	
90 1,3-Dichloropropane	76	7.436	7.436	0.000	96	130484	20.0	20.0	
91 2-Hexanone	58	7.503	7.503	0.000	99	166061	100.0	80.6	
92 n-Butyl acetate	43	7.625	7.625	0.000	98	146869	20.0	21.1	
93 Chlorodibromomethane	129	7.661	7.661	0.000	98	75088	20.0	19.2	
94 Ethylene Dibromide	107	7.807	7.807	0.000	98	75444	20.0	18.6	
* 95 Chlorobenzene-d5	117	8.355	8.349	0.006	88	533585	50.0	50.0	
96 Chlorobenzene	112	8.385	8.385	0.000	93	205629	20.0	18.9	
97 Ethylbenzene	106	8.495	8.495	0.000	99	98988	20.0	16.6	
98 1,1,1,2-Tetrachloroethane	131	8.513	8.507	0.006	94	74949	20.0	18.2	
99 m-Xylene & p-Xylene	106	8.653	8.653	0.000	99	122995	20.0	16.9	
100 o-Xylene	106	9.170	9.170	0.000	93	130589	20.0	17.5	
101 n-Butyl acrylate	73	9.170	9.170	0.000	68	54565	20.0	14.7	
102 Styrene	104	9.207	9.207	0.000	95	201987	20.0	16.1	
103 Amyl acetate (mixed isomers)	43	9.450	9.450	0.000	89	163848	20.0	19.5	
104 Bromoform	173	9.450	9.450	0.000	92	44722	20.0	16.7	
105 Isopropylbenzene	105	9.602	9.602	0.000	97	293581	20.0	16.4	
$ 106 4-Bromofluorobenzene	174	9.827	9.827	0.000	85	184446	50.0	44.3	
107 Bromobenzene	156	9.973	9.973	0.000	96	82286	20.0	18.0	
108 1,1,2,2-Tetrachloroethane	83	10.034	10.034	0.000	98	111383	20.0	20.6	
109 N-Propylbenzene	91	10.058	10.064	-0.006	99	349924	20.0	17.0	
110 1,2,3-Trichloropropane	110	10.083	10.083	0.000	97	30439	20.0	19.1	
111 trans-1,4-Dichloro-2-butene	53	10.113	10.107	0.006	88	22659	20.0	15.5	
112 2-Chlorotoluene	91	10.168	10.168	0.000	97	266083	20.0	17.9	
113 4-Ethyltoluene	105	10.186	10.186	0.000	98	298304	20.0	17.9	
114 1,3,5-Trimethylbenzene	105	10.259	10.265	-0.006	92	236590	20.0	16.2	
115 4-Chlorotoluene	91	10.295	10.296	-0.001	98	253026	20.0	18.1	
116 Butyl Methacrylate	87	10.381	10.381	0.000	95	71832	20.0	12.2	
117 tert-Butylbenzene	119	10.569	10.569	0.000	93	179521	20.0	16.6	
118 1,2,4-Trimethylbenzene	105	10.636	10.636	0.000	98	255259	20.0	16.8	
119 sec-Butylbenzene	105	10.788	10.782	0.006	99	257949	20.0	16.6	
120 1,3-Dichlorobenzene	146	10.916	10.916	0.000	93	151525	20.0	18.7	
121 4-Isopropyltoluene	119	10.928	10.928	0.000	97	214858	20.0	16.1	
* 122 1,4-Dichlorobenzene-d4	152	10.989	10.989	0.000	97	291513	50.0	50.0	
123 1,4-Dichlorobenzene	146	11.007	11.007	0.000	96	158466	20.0	18.8	
124 1,2,3-Trimethylbenzene	105	11.032	11.032	0.000	98	289491	20.0	17.1	
125 Benzyl chloride	126	11.147	11.147	0.000	98	35039	20.0	16.5	
126 2,3-Dihydroindene	117	11.208	11.208	0.000	94	300541	20.0	18.2	
127 p-Diethylbenzene	119	11.275	11.275	0.000	92	114535	20.0	16.7	
128 n-Butylbenzene	92	11.299	11.299	0.000	97	114676	20.0	17.4	
129 1,2-Dichlorobenzene	146	11.342	11.342	0.000	93	155941	20.0	18.8	
130 1,2,4,5-Tetramethylbenzene	119	11.944	11.944	0.000	97	206455	20.0	15.2	
131 1,2-Dibromo-3-Chloropropane	157	12.029	12.023	0.006	93	20945	20.0	17.0	
132 1,3,5-Trichlorobenzene	180	12.145	12.145	0.000	95	90164	20.0	18.6	
133 1,2,4-Trichlorobenzene	180	12.638	12.638	0.000	92	82887	20.0	17.4	
134 Hexachlorobutadiene	225	12.729	12.729	0.000	91	23057	20.0	15.2	
135 Naphthalene	128	12.832	12.832	0.000	99	247557	20.0	17.3	
136 1,2,3-Trichlorobenzene	180	13.015	13.015	0.000	94	68956	20.0	20.1	
S 137 1,2-Dichloroethene, Total	100				0		40.0	36.8	
S 138 Xylenes, Total	100				0		40.0	34.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 139 Total BTEX	1				0		100.0	87.6	

QC Flag Legend

Processing Flags
Review Flags
a - User Assigned ID

Reagents:

8260MIX1COMB_00155	Amount Added:	20.00	Units: uL	
524freon_00053	Amount Added:	20.00	Units: uL	
ACROLEIN W_00141	Amount Added:	4.00	Units: uL	
GASES Li_00482	Amount Added:	20.00	Units: uL	
8260ISNEW_00171	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00230	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 30-Jun-2022 09:09:23 Chrom Revision: 2.3 20-Jun-2022 20:10:40

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS11\20220630-147260.b\N52187.D

Injection Date: 30-Jun-2022 08:39:30 Instrument ID: CVOAMS11 Operator ID:

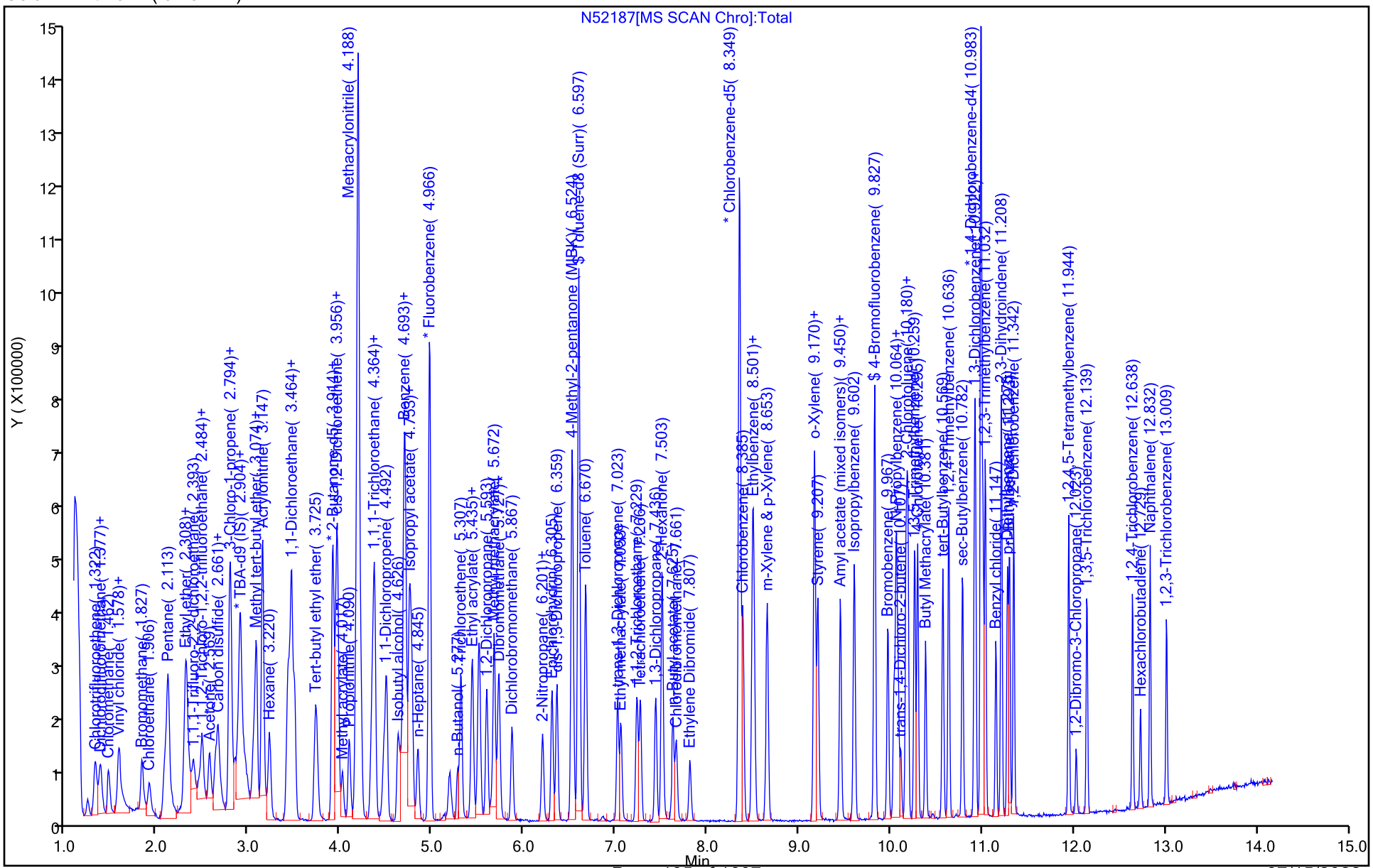
Lims ID: LCSD Worklist Smp#: 4

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 20

Method: 8260W_11 Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)



GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Edison Job No.: 460-260852-1

SDG No.:

Instrument ID: CVOAMS11 Start Date: 04/19/2022 10:02

Analysis Batch Number: 839936 End Date: 04/19/2022 18:32

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-839936/1		04/19/2022 10:02	1	N48286.D	Rtx-624 0.25(mm)
STD7 460-839936/3 IC		04/19/2022 12:16	1	N48288.D	Rtx-624 0.25(mm)
STD5 460-839936/5 IC		04/19/2022 13:25	1	N48290.D	Rtx-624 0.25(mm)
STD20 460-839936/6 ICIS		04/19/2022 13:48	1	N48291.D	Rtx-624 0.25(mm)
STD50 460-839936/7 IC		04/19/2022 14:14	1	N48292.D	Rtx-624 0.25(mm)
STD200 460-839936/8 IC		04/19/2022 14:43	1	N48293.D	Rtx-624 0.25(mm)
STD500 460-839936/9 IC		04/19/2022 15:05	1	N48294.D	Rtx-624 0.25(mm)
STD1 460-839936/18 IC		04/19/2022 18:09	1	N48302.D	Rtx-624 0.25(mm)
ICV 460-839936/17		04/19/2022 18:32	1	N48303.D	Rtx-624 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Edison Job No.: 460-260852-1

SDG No.:

Instrument ID: CVOAMS11 Start Date: 06/30/2022 07:30

Analysis Batch Number: 852839 End Date: 06/30/2022 17:49

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		06/30/2022 07:30	1		Rtx-624 0.25(mm)
CCVIS 460-852839/2		06/30/2022 07:53	1	N52185.D	Rtx-624 0.25(mm)
LCS 460-852839/3		06/30/2022 08:16	1	N52186.D	Rtx-624 0.25(mm)
LCSD 460-852839/4		06/30/2022 08:39	1	N52187.D	Rtx-624 0.25(mm)
MB 460-852839/8		06/30/2022 10:11	1	N52191.D	Rtx-624 0.25(mm)
ZZZZZ		06/30/2022 10:34	1		Rtx-624 0.25(mm)
LB 460-852599/1-A		06/30/2022 10:57	10	N52193.D	Rtx-624 0.25(mm)
460-260852-2	BHP-FENCE-COMP-S001	06/30/2022 11:20	10	N52194.D	Rtx-624 0.25(mm)
ZZZZZ		06/30/2022 11:43	10		Rtx-624 0.25(mm)
ZZZZZ		06/30/2022 14:46	1		Rtx-624 0.25(mm)
ZZZZZ		06/30/2022 15:09	1		Rtx-624 0.25(mm)
ZZZZZ		06/30/2022 15:31	1		Rtx-624 0.25(mm)
ZZZZZ		06/30/2022 15:54	1		Rtx-624 0.25(mm)
ZZZZZ		06/30/2022 16:17	1		Rtx-624 0.25(mm)
ZZZZZ		06/30/2022 16:41	5		Rtx-624 0.25(mm)
ZZZZZ		06/30/2022 17:04	5		Rtx-624 0.25(mm)
ZZZZZ		06/30/2022 17:27	5		Rtx-624 0.25(mm)
ZZZZZ		06/30/2022 17:49	2		Rtx-624 0.25(mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-260852-1

SDG No.:

Batch Number: 839936 Batch Start Date: 04/19/22 10:02 Batch Analyst: Moroney, Christopher J

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	14DIOXINTER 00140	524freon 00050	8260 SP 00153	8260ISNEW 00120
BFB 460-839936/1		8260D		5 mL	5				
STD7 460-839936/3 IC		8260D		5 mL	5 mL				1 uL
STD5 460-839936/5 IC		8260D		5 mL	5 mL		10 uL		1 uL
STD20 460-839936/6 ICIS		8260D		5 mL	5 mL		20 uL		1 uL
STD50 460-839936/7 IC		8260D		5 mL	5 mL		50 uL		1 uL
STD200 460-839936/8 IC		8260D		5 mL	5 mL				1 uL
STD500 460-839936/9 IC		8260D		5 mL	5 mL				1 uL
ICV 460-839936/17		8260D		5 mL	5 mL			20 uL	1 uL
STD1 460-839936/18 IC		8260D		5 mL	5 mL	30 uL	10 uL		1 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	8260MIX1COMB 00153	8260SURR250 00226	8FreonHi 00043	8FreonsSS 00044	ACROLEIN SP 00136	ACROLEIN W 00139
BFB 460-839936/1		8260D							
STD7 460-839936/3 IC		8260D			1 uL				
STD5 460-839936/5 IC		8260D		10 uL	1 uL				4 uL
STD20 460-839936/6 ICIS		8260D		20 uL	1 uL				4 uL
STD50 460-839936/7 IC		8260D		50 uL	1 uL				10 uL
STD200 460-839936/8 IC		8260D			1 uL	20 uL			20 uL
STD500 460-839936/9 IC		8260D			1 uL	50 uL			40 uL
ICV 460-839936/17		8260D			1 uL		20 uL	4 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 VOA BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-260852-1

SDG No.:

Batch Number: 839936 Batch Start Date: 04/19/22 10:02 Batch Analyst: Moroney, Christopher J

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	8260MIX1COMB 00153	8260SURR250 00226	8FreonHi 00043	8FreonsSS 00044	ACROLEIN SP 00136	ACROLEIN W 00139
STD1 460-839936/18 IC		8260D		10 uL	1 uL				4 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	ACRY/EPIH MIX 00099	BFB 00031	Ethanol mix 00063	GAS C SP 00457	GAS Hi 00412	GASES Li 00472
BFB 460-839936/1		8260D			1 uL				
STD7 460-839936/3 IC		8260D		20 uL					2.5 uL
STD5 460-839936/5 IC		8260D							10 uL
STD20 460-839936/6 ICIS		8260D							20 uL
STD50 460-839936/7 IC		8260D							50 uL
STD200 460-839936/8 IC		8260D				20 uL		20 uL	
STD500 460-839936/9 IC		8260D				50 uL		50 uL	
ICV 460-839936/17		8260D					20 uL		
STD1 460-839936/18 IC		8260D							10 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	MIX 2 Hi 00122	MIX I Hi 00149				
BFB 460-839936/1		8260D							
STD7 460-839936/3 IC		8260D							
STD5 460-839936/5 IC		8260D							
STD20 460-839936/6 ICIS		8260D							
STD50 460-839936/7 IC		8260D							

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 VOA BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-260852-1

SDG No.:

Batch Number: 839936 Batch Start Date: 04/19/22 10:02 Batch Analyst: Moroney, Christopher J

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	MIX 2 Hi 00122	MIX I Hi 00149				
STD200 460-839936/8 IC		8260D		20 uL	20 uL				
STD500 460-839936/9 IC		8260D		50 uL	50 uL				
ICV 460-839936/17		8260D							
STD1 460-839936/18 IC		8260D							

Batch Notes	

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 VOA BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-260852-1

SDG No.:

Batch Number: 852599 Batch Start Date: 06/29/22 09:00 Batch Analyst: Baker, Benjamin J

Batch Method: 1311 Batch End Date: 06/30/22 03:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	VesselNumber	LeachatepH	AnalysisComment	
LB 460-852599/1		1311, 8260D			500 mL	35	4.98	35	
460-260852-D-2	BHP-FENCE-COMP-S 001	1311, 8260D	P	25.11 g	500 mL	50	5.38	50	

Batch Notes	
Thermometer ID	181404028
First Start time	9:00 am 6/29/22
First End time	3:00 am 6/30/22
Tumbler Rotations per Minute	30
Balance ID	21
Room Temperature Thermometer ID	188086 25.0
TCLP Fluid pH	4.98 SU
TCLP Fluid 1 ID	ZF1062422
Uncorrected Minimum Temperature	23.3 Celsius
Minumum Temperature	23.3 Celsius
Uncorrected Maximum Temperature	24.6 Celsius
Maximum Temperature	24.6 Celsius
pH Buffer 1 ID	pH=1.68 Orion: 910168
pH Buffer 2 ID	pH=4.00 Orion: 910104
pH Buffer 3 ID	pH=7.01 Fisher: 217473
pH Buffer 4 ID	pH=10.01 Fisher: 212238
pH Meter Calibration Slope	96.2%
pH Meter ID	A
Probe ID	Z
Filter Paper ID	400152-8305
Filtration Start Time	06/30/2022 03:00
Filtration End Time	06/30/2022 04:00
Batch Comment	ZHE TCLP SOIL

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 VOA BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-260852-1

SDG No.:

Batch Number: 852599 Batch Start Date: 06/29/22 09:00 Batch Analyst: Baker, Benjamin J

Batch Method: 1311 Batch End Date: 06/30/22 03:00

Basis	Basis Description
P	TCLP

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 VOA BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-260852-1

SDG No.:

Batch Number: 852839 Batch Start Date: 06/30/22 07:30 Batch Analyst: Moroney, Christopher J

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	524freon 00053	8260ISNEW 00171	8260MIX1COMB 00155	8260SURR250 00230
CCVIS 460-852839/2		8260D		5 mL	5 mL	20 uL	1 uL	20 uL	1 uL
LCS 460-852839/3		8260D		5 mL	5 mL	20 uL	1 uL	20 uL	1 uL
LCSD 460-852839/4		8260D		5 mL	5 mL	20 uL	1 uL	20 uL	1 uL
MB 460-852839/8		8260D		5 mL	5 mL		1 uL		1 uL
LB 460-852599/1-A		8260D		5 mL	5 mL		1 uL		1 uL
460-260852-D-2-B	BHP-FENCE-COMP-S001	8260D	P	5 mL	5 mL		1 uL		1 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	ACROLEIN W 00141	GASES Li 00482				
CCVIS 460-852839/2		8260D		4 uL	20 uL				
LCS 460-852839/3		8260D		4 uL	20 uL				
LCSD 460-852839/4		8260D		4 uL	20 uL				
MB 460-852839/8		8260D							
LB 460-852599/1-A		8260D							
460-260852-D-2-B	BHP-FENCE-COMP-S001	8260D	P						

Batch Notes	

Basis	Basis Description
P	TCLP

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.

Method 8260 DEL

Volatile Organics (GC/MS) by Method 8260 (Delaware)

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-260852-1

SDG No.:

Matrix: Solid Level: Medium

GC Column (1): DB-624 ID: 0.18(mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
BHP-FENCE-COMP-S001	460-260852-2	75	83	89	83
BHP-FS-GRAB-S301	460-260852-19	77	81	88	82
	MB 460-852635/8	94	90	95	91
	LCS 460-852635/3	110	107	110	107
	LCSD 460-852635/4	100	96	99	96

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	68-150
DCA = 1,2-Dichloroethane-d4 (Surr)	68-150
TOL = Toluene-d8 (Surr)	80-147
BFB = 4-Bromofluorobenzene	70-150

Column to be used to flag recovery values

FORM II 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-260852-1

SDG No.:

Matrix: Solid Level: Medium Lab File ID: O78569.d

Lab ID: LCS 460-852635/3 Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Benzene	1000	1080	108	80-120	
Toluene	1000	1060	106	80-120	
Ethylbenzene	1000	1110	111	76-121	
Xylenes, Total	2000	2130	107	77-121	
m-Xylene & p-Xylene	1000	1090	109	72-120	
o-Xylene	1000	1040	104	78-123	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-260852-1

SDG No.:

Matrix: Solid Level: Medium Lab File ID: O78570.d

Lab ID: LCSD 460-852635/4 Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Benzene	1000	958	96	12	30	80-120	
Toluene	1000	948	95	11	30	80-120	
Ethylbenzene	1000	998	100	10	30	76-121	
Xylenes, Total	2000	1880	94	13	30	77-121	
m-Xylene & p-Xylene	1000	953	95	14	30	72-120	
o-Xylene	1000	925	92	12	30	78-123	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Edison Job No.: 460-260852-1

SDG No.:

Lab File ID: O78574.d Lab Sample ID: MB 460-852635/8

Matrix: Solid Heated Purge:(Y/N) N

Instrument ID: CVOAMS12 Date Analyzed: 06/29/2022 12:43

GC Column: DB-624 ID: 0.18(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-852635/3	O78569.d	06/29/2022 10:36
	LCSD 460-852635/4	O78570.d	06/29/2022 11:02
BHP-FS-GRAB-S301	460-260852-19	O78584.d	06/29/2022 16:55
BHP-FENCE-COMP-S001	460-260852-2	O78592.d	06/29/2022 20:16

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins Edison Job No.: 460-260852-1

SDG No.:

Lab File ID: O78550.d BFB Injection Date: 06/29/2022

Instrument ID: CVOAMS12 BFB Injection Time: 02:03

Analysis Batch No.: 852547

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	15.2	
75	30.0 - 60.0 % of mass 95	42.4	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.5	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	Greater than 50% of mass 95	82.4	
175	5.0 - 9.0 % of mass 174	7.0	(8.5) 1
176	95.0 - 101.0 % of mass 174	82.7	(100.3) 1
177	5.0 - 9.0 % of mass 176	6.0	(7.2) 2

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

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
	STD7 460-852547/3	O78552.d	06/29/2022	3:18
	STD1 460-852547/4	O78553.d	06/29/2022	3:43
	STD5 460-852547/5	O78554.d	06/29/2022	4:09
	STD20 460-852547/6	O78555.d	06/29/2022	4:34
	STD50 460-852547/7	O78556.d	06/29/2022	4:59
	STD200 460-852547/8	O78557.d	06/29/2022	5:24
	STD500 460-852547/9	O78558.d	06/29/2022	5:49
	ICV 460-852547/17	O78566.d	06/29/2022	9:11

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins Edison Job No.: 460-260852-1

SDG No.:

Lab File ID: O78567.d BFB Injection Date: 06/29/2022

Instrument ID: CVOAMS12 BFB Injection Time: 09:57

Analysis Batch No.: 852635

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	17.2	
75	30.0 - 60.0 % of mass 95	43.2	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	8.3	
173	Less than 2.0 % of mass 174	0.4	(0.5) 1
174	Greater than 50% of mass 95	74.1	
175	5.0 - 9.0 % of mass 174	5.5	(7.4) 1
176	95.0 - 101.0 % of mass 174	71.7	(96.7) 1
177	5.0 - 9.0 % of mass 176	5.1	(7.2) 2

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

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 460-852635/2	O78568.d	06/29/2022	10:11
	LCS 460-852635/3	O78569.d	06/29/2022	10:36
	LCSD 460-852635/4	O78570.d	06/29/2022	11:02
	MB 460-852635/8	O78574.d	06/29/2022	12:43
BHP-FS-GRAB-S301	460-260852-19	O78584.d	06/29/2022	16:55
BHP-FENCE-COMP-S001	460-260852-2	O78592.d	06/29/2022	20:16
	CCV 460-852635/28	O78594.d	06/29/2022	21:07

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Edison Job No.: 460-260852-1

SDG No.:

Sample No.: STD20 460-852547/6 Date Analyzed: 06/29/2022 04:34

Instrument ID: CVOAMS12 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): O78555.d Heated Purge: (Y/N) N

Calibration ID: 90801

		TBAd9		BUT		FB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		160599	2.03	233267	2.89	590860	3.94
UPPER LIMIT		321198	2.53	466534	3.39	1181720	4.44
LOWER LIMIT		80300	1.53	116634	2.39	295430	3.44
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 460-852547/17		189232	2.03	262335	2.89	600409	3.94

TBAd9 = TBA-d9 (IS)
BUT = 2-Butanone-d5
FB = Fluorobenzene

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 8260B

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Edison Job No.: 460-260852-1

SDG No.:

Sample No.: STD20 460-852547/6 Date Analyzed: 06/29/2022 04:34

Instrument ID: CVOAMS12 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): O78555.d Heated Purge: (Y/N) N

Calibration ID: 90801

		DXE		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		30316	4.65	410771	7.60	224438	11.28
UPPER LIMIT		60632	5.15	821542	8.10	448876	11.78
LOWER LIMIT		15158	4.15	205386	7.10	112219	10.78
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 460-852547/17		32662	4.65	412083	7.60	223070	11.29

DXE = 1,4-Dioxane-d8
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

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 8260B

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Edison Job No.: 460-260852-1

SDG No.:

Sample No.: CCVIS 460-852635/2 Date Analyzed: 06/29/2022 10:11

Instrument ID: CVOAMS12 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): O78568.d Heated Purge: (Y/N) N

Calibration ID: 90801

		TBAd9		BUT		FB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		181267	2.04	248456	2.89	604318	3.94
UPPER LIMIT		362534	2.54	496912	3.39	1208636	4.44
LOWER LIMIT		90634	1.54	124228	2.39	302159	3.44
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-852635/3		175801	2.04	233582	2.89	553656	3.94
LCSD 460-852635/4		200945	2.03	267025	2.89	616286	3.94
MB 460-852635/8		201506	2.03	255927	2.89	591287	3.94
460-260852-19	BHP-FS-GRAB-S301	285423	2.08	268041	2.90	610038	3.94
460-260852-2	BHP-FENCE-COMP-S001	283610	2.08	271033	2.90	615621	3.94
CCV 460-852635/28		211059	2.03	274920	2.89	624925	3.94

TBAd9 = TBA-d9 (IS)
BUT = 2-Butanone-d5
FB = Fluorobenzene

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 8260B

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Edison Job No.: 460-260852-1

SDG No.:

Sample No.: CCVIS 460-852635/2 Date Analyzed: 06/29/2022 10:11

Instrument ID: CVOAMS12 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): O78568.d Heated Purge: (Y/N) N

Calibration ID: 90801

		DXE		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		30285	4.65	426058	7.61	233781	11.29
UPPER LIMIT		60570	5.15	852116	8.11	467562	11.79
LOWER LIMIT		15143	4.15	213029	7.11	116891	10.79
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-852635/3		29473	4.65	386256	7.60	211622	11.29
LCSD 460-852635/4		34530	4.65	422591	7.60	227242	11.29
MB 460-852635/8		31935	4.65	387834	7.61	206302	11.29
460-260852-19	BHP-FS-GRAB-S301	31261	4.70	384685	7.62	208870	11.29
460-260852-2	BHP-FENCE-COMP-S001	33963	4.72	395943	7.62	219045	11.29
CCV 460-852635/28		37325	4.65	428167	7.60	233209	11.29

DXE = 1,4-Dioxane-d8
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

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 8260B

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-260852-1

SDG No.:

Client Sample ID: BHP-FENCE-COMP-S001 | Lab Sample ID: 460-260852-2

Matrix: Solid | Lab File ID: O78592.d

Analysis Method: 8260B | Date Collected: 06/23/2022 14:00

Sample wt/vol: 10.32(g) | Date Analyzed: 06/29/2022 20:16

Soil Aliquot Vol: 5 (mL) | Dilution Factor: 50

Soil Extract Vol.: 25(mL) | GC Column: DB-624 ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: 23.0 % Solids: 77.0 | Level: (low/med) Medium

Analysis Batch No.: 852635 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	35	U	170	35
108-88-3	Toluene	43	U	170	43
100-41-4	Ethylbenzene	52	U	170	52
1330-20-7	Xylenes, Total	48	U	340	48

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	83		68-150
460-00-4	4-Bromofluorobenzene	83		70-150
2037-26-5	Toluene-d8 (Surr)	89		80-147
1868-53-7	Dibromofluoromethane (Surr)	75		68-150

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS12\20220629-147223.b\O78592.d
Lims ID: 460-260852-B-2-A
Client ID: BHP-FENCE-COMP-S001
Sample Type: Client
Inject. Date: 29-Jun-2022 20:16:30 ALS Bottle#: 25 Worklist Smp#: 26
Purge Vol: 5.000 mL Dil. Factor: 50.0000
Sample Info: 460-260852-B-2-A
Misc. Info.: 460-0147223-026
Operator ID: Instrument ID: CVOAMS12

Method: \\chromfs\Edison\ChromData\CVOAMS12\20220629-147223.b\8260W_12.m
Limit Group: VOA 8260 DEL ICAL
Last Update: 30-Jun-2022 03:04:17 Calib Date: 29-Jun-2022 05:49:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Continuing Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS12\20220629-147196.b\O78558.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1662

First Level Reviewer: HVW2 Date: 30-Jun-2022 03:04:17

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 31 TBA-d9 (IS)	65	2.077	2.043	0.034	100	283610	1000.0	
* 43 2-Butanone-d5	46	2.899	2.888	0.011	99	271033	250.0	
$ 53 Dibromofluoromethane (Surr)	113	3.322	3.322	0.000	96	85950	34.4	
$ 58 1,2-Dichloroethane-d4 (Surr)	65	3.619	3.619	0.000	0	108521	37.9	
* 65 Fluorobenzene	96	3.938	3.938	0.000	99	615621	50.0	
* 72 1,4-Dioxane-d8	96	4.715	4.646	0.069	0	33963	1000.0	
$ 83 Toluene-d8 (Surr)	98	5.685	5.685	0.000	99	439695	40.5	
* 94 Chlorobenzene-d5	117	7.615	7.614	0.001	86	395943	50.0	
$ 105 4-Bromofluorobenzene	174	9.441	9.430	0.011	91	119344	37.8	
* 120 1,4-Dichlorobenzene-d4	152	11.291	11.291	0.000	95	219045	50.0	

QC Flag Legend
Processing Flags

Reagents:
8260ISNEW_00171 Amount Added: 1.00 Units: uL Run Reagent

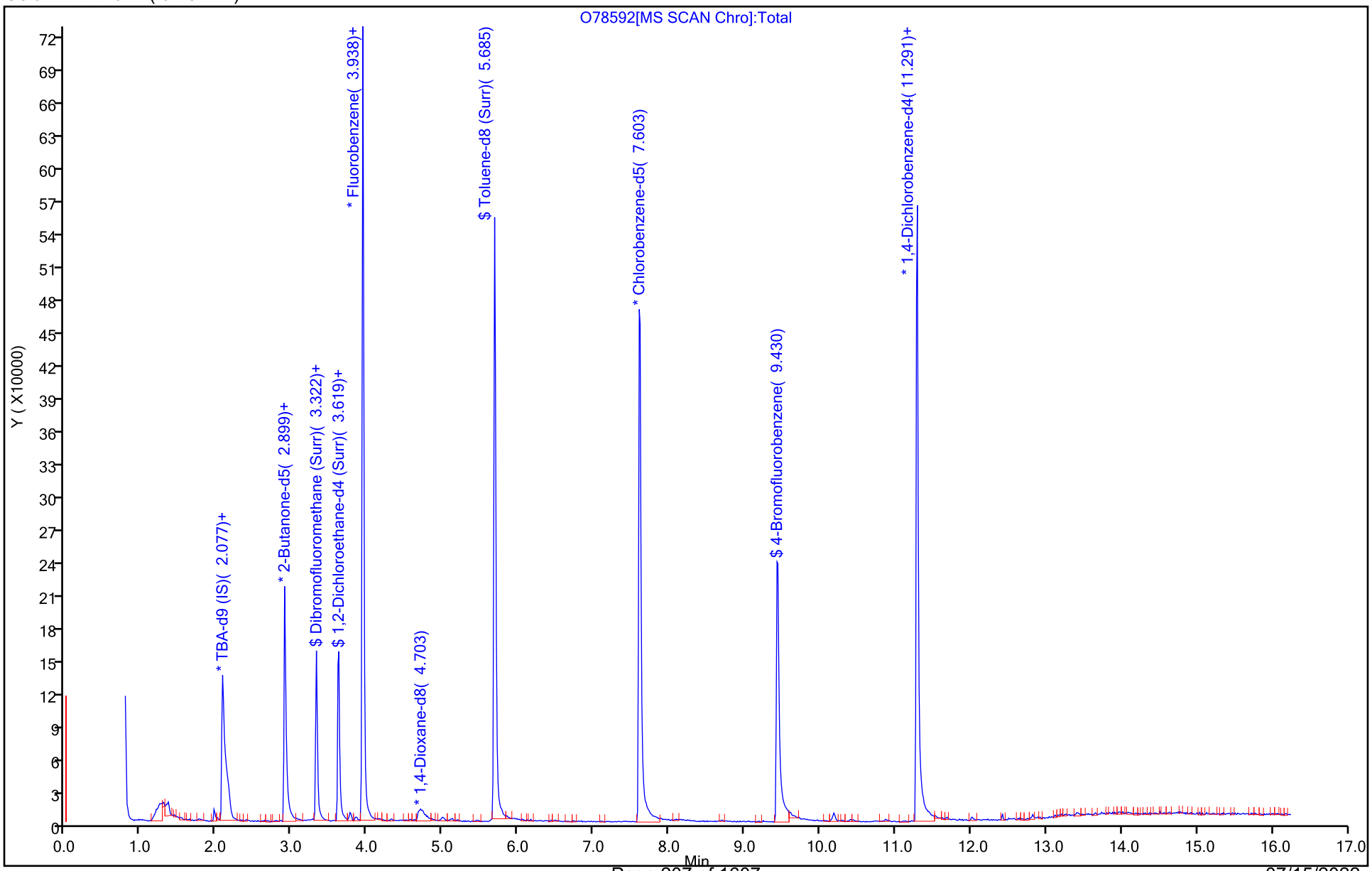
Report Date: 30-Jun-2022 03:04:18 Chrom Revision: 2.3 20-Jun-2022 20:10:40

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS12\20220629-147223.b\O78592.d

Injection Date:	29-Jun-2022 20:16:30	Instrument ID:	CVOAMS12	Operator ID:	
Lims ID:	460-260852-B-2-A	Lab Sample ID:	460-260852-2	Worklist Smp#:	26
Client ID:	BHP-FENCE-COMP-S001				
Purge Vol:	5.000 mL	Dil. Factor:	50.0000	ALS Bottle#:	25
Method:	8260W_12	Limit Group:	VOA 8260 DEL ICAL		

Column: DB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-260852-1

SDG No.:

Client Sample ID: BHP-FS-GRAB-S301 | Lab Sample ID: 460-260852-19

Matrix: Solid | Lab File ID: O78584.d

Analysis Method: 8260B | Date Collected: 06/23/2022 15:30

Sample wt/vol: 10.26(g) | Date Analyzed: 06/29/2022 16:55

Soil Aliquot Vol: 5 (mL) | Dilution Factor: 50

Soil Extract Vol.: 25(mL) | GC Column: DB-624 ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Medium

Analysis Batch No.: 852635 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	25	U	120	25
108-88-3	Toluene	30	U	120	30
100-41-4	Ethylbenzene	37	U	120	37
1330-20-7	Xylenes, Total	34	U	240	34

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	81		68-150
460-00-4	4-Bromofluorobenzene	82		70-150
2037-26-5	Toluene-d8 (Surr)	88		80-147
1868-53-7	Dibromofluoromethane (Surr)	77		68-150

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS12\20220629-147223.b\O78584.d
Lims ID: 460-260852-A-19-A
Client ID: BHP-FS-GRAB-S301
Sample Type: Client
Inject. Date: 29-Jun-2022 16:55:30 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 50.0000
Sample Info: 460-260852-A-19-A
Misc. Info.: 460-0147223-018
Operator ID: Instrument ID: CVOAMS12

Method: \\chromfs\Edison\ChromData\CVOAMS12\20220629-147223.b\8260W_12.m
Limit Group: VOA 8260 DEL ICAL
Last Update: 30-Jun-2022 14:56:35 Calib Date: 29-Jun-2022 05:49:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Continuing Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS12\20220629-147196.b\O78558.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1621

First Level Reviewer: NN6A Date: 30-Jun-2022 14:56:35

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 31 TBA-d9 (IS)	65	2.078	2.043	0.035	100	285423	1000.0	
* 43 2-Butanone-d5	46	2.900	2.888	0.012	99	268041	250.0	
$ 53 Dibromofluoromethane (Surr)	113	3.322	3.322	0.000	97	95146	38.4	
$ 58 1,2-Dichloroethane-d4 (Surr)	65	3.619	3.619	0.000	0	115612	40.7	
* 65 Fluorobenzene	96	3.938	3.938	0.000	99	610038	50.0	
* 72 1,4-Dioxane-d8	96	4.703	4.646	0.057	0	31261	1000.0	a
$ 83 Toluene-d8 (Surr)	98	5.685	5.685	0.000	99	465607	44.1	
* 94 Chlorobenzene-d5	117	7.615	7.614	0.001	87	384685	50.0	
$ 105 4-Bromofluorobenzene	174	9.441	9.430	0.011	90	125047	40.8	
* 120 1,4-Dichlorobenzene-d4	152	11.291	11.291	0.000	96	208870	50.0	

QC Flag Legend

Processing Flags
Review Flags
a - User Assigned ID

Reagents:

8260ISNEW_00171 Amount Added: 1.00 Units: uL Run Reagent

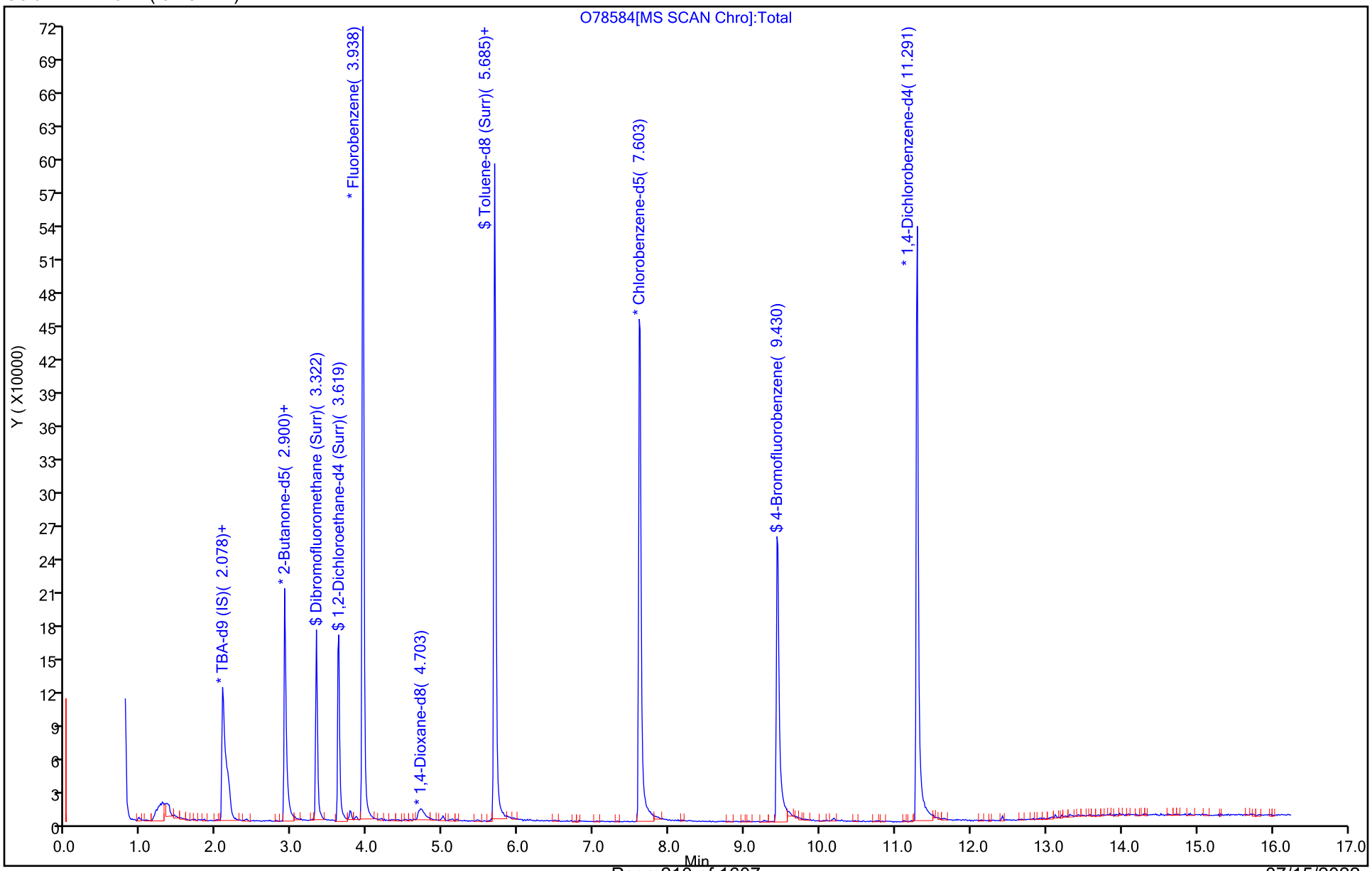
Report Date: 30-Jun-2022 14:56:36 Chrom Revision: 2.3 20-Jun-2022 20:10:40

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS12\20220629-147223.b\O78584.d

Injection Date:	29-Jun-2022 16:55:30	Instrument ID:	CVOAMS12	Operator ID:	
Lims ID:	460-260852-A-19-A	Lab Sample ID:	460-260852-19	Worklist Smp#:	18
Client ID:	BHP-FS-GRAB-S301				
Purge Vol:	5.000 mL	Dil. Factor:	50.0000	ALS Bottle#:	17
Method:	8260W_12	Limit Group:	VOA 8260 DEL ICAL		

Column: DB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins Edison

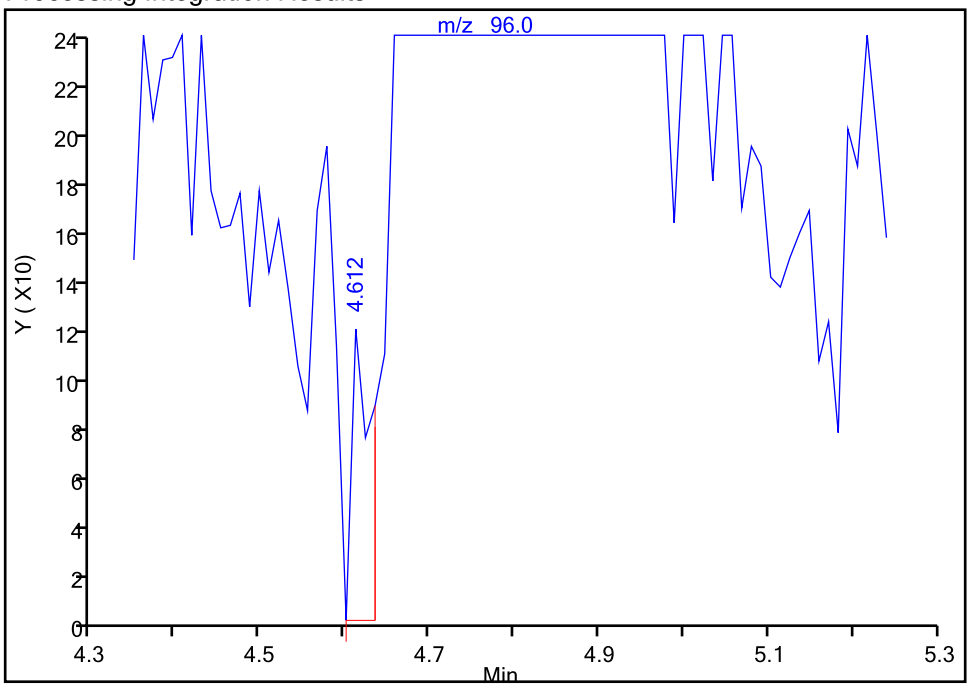
Data File: \\chromfs\Edison\ChromData\CVOAMS12\20220629-147223.b\O78584.d
Injection Date: 29-Jun-2022 16:55:30 Instrument ID: CVOAMS12
Lims ID: 460-260852-A-19-A Lab Sample ID: 460-260852-19
Client ID: BHP-FS-GRAB-S301
Operator ID: ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 50.0000
Method: 8260W_12 Limit Group: VOA 8260 DEL ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

* 72 1,4-Dioxane-d8, CAS: 17647-74-4

Signal: 1

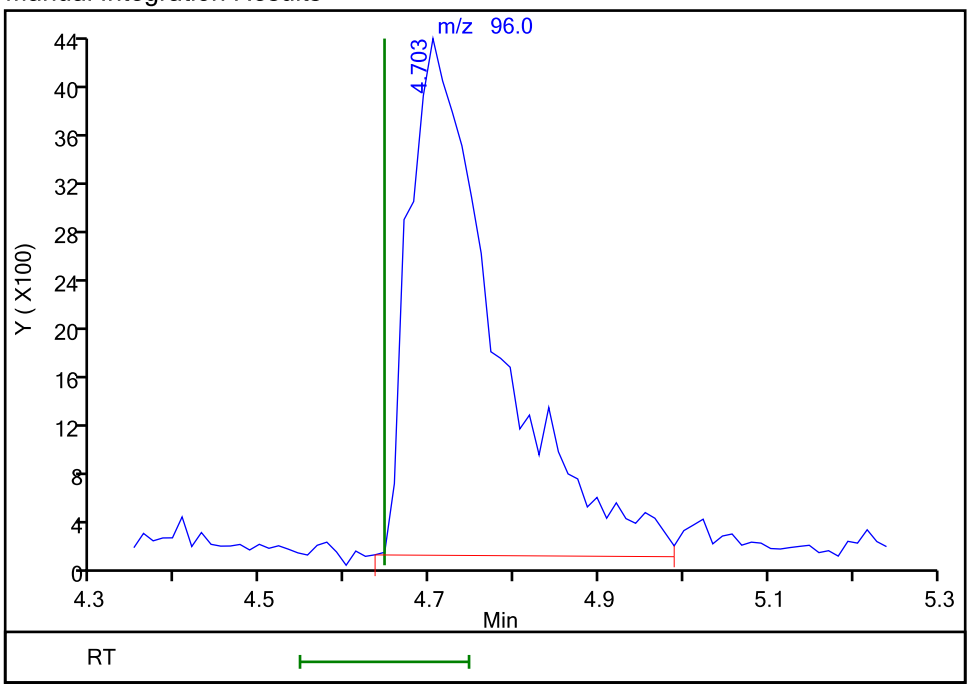
Processing Integration Results

RT: 4.61
Area: 191
Amount: 1000.0000
Amount Units: ug/l



Manual Integration Results

RT: 4.70
Area: 31261
Amount: 1000.0000
Amount Units: ug/l



Reviewer: NN6A, 30-Jun-2022 14:56:31
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-260852-1 Analy Batch No.: 852547

SDG No.:

Instrument ID: CVOAMS12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/29/2022 03:18 Calibration End Date: 06/29/2022 05:49 Calibration ID: 90801

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD7 460-852547/3	O78552.d
Level 2	STD1 460-852547/4	O78553.d
Level 3	STD5 460-852547/5	O78554.d
Level 4	STD20 460-852547/6	O78555.d
Level 5	STD50 460-852547/7	O78556.d
Level 6	STD200 460-852547/8	O78557.d
Level 7	STD500 460-852547/9	O78558.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 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	+++++ 0.3063	0.2181 0.2642	0.2385	0.2375	0.2490	Ave		0.2523			0.1000	12.1		30.0			
Chloromethane	+++++ 0.3564	0.3510 0.3348	0.2962	0.2875	0.3061	Ave		0.3220			0.1000	9.1		30.0			
Vinyl chloride	+++++ 0.3106	0.2983 0.2794	0.2897	0.2669	0.2809	Ave		0.2876			0.1000	5.4		30.0			
Bromomethane	+++++ 0.1605	0.2088 +++++	0.1885	0.1557	0.1332	Ave		0.1693			0.1000	17.5		30.0			
Chloroethane	+++++ 0.1914	0.2042 0.1554	0.1936	0.1772	0.1774	Ave		0.1832			0.1000	9.3		30.0			
Trichlorofluoromethane	+++++ 0.3073	0.2949 0.2758	0.2648	0.2859	0.2920	Ave		0.2868			0.1000	5.2		30.0			
Pentane	+++++ 0.0464	0.0429 0.0385	0.0515	0.0482	0.0497	Ave		0.0462		*	0.1000	10.4		30.0			
Ethanol	+++++ 0.0617	0.0874 0.0551	0.0787	0.0701	0.0732	Ave		0.0710		*	0.1000	16.3		30.0			
Ethyl ether	+++++ 0.1975	0.2228 0.1828	0.2007	0.1780	0.1905	Ave		0.1954			0.1000	8.2		30.0			
2-Methyl-1,3-butadiene	+++++ 0.2170	0.2159 0.1873	0.2173	0.2260	0.2279	Ave		0.2152			0.1000	6.8		30.0			
Acrolein	+++++ 1.6350	1.5155 1.4105	1.8153	1.6619	1.7312	Ave		1.6282			0.1000	9.0		30.0			
1,1-Dichloroethene	+++++ 0.2187	0.2110 0.1967	0.2177	0.2102	0.2212	Ave		0.2126			0.1000	4.2		30.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	+++++ 0.1870	0.1964 0.1562	0.1942	0.1852	0.1905	Ave		0.1849			0.1000	7.9		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-260852-1 Analy Batch No.: 852547

SDG No.:

Instrument ID: CVOAMS12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/29/2022 03:18 Calibration End Date: 06/29/2022 05:49 Calibration ID: 90801

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 4	LVL 5		B	M1	M2								
Acetone	+++++ 0.2093	0.2044 0.2058	0.2261	0.1935	0.1952	Ave		0.2057			0.1000	5.7		30.0			
Iodomethane	+++++ 0.3509	0.2062 0.3105	0.2519	0.2996	0.3371	Ave		0.2927			0.1000	18.6		30.0			
Isopropyl alcohol	+++++ 0.6286	0.6333 0.6043	0.6465	0.6742	0.6915	Ave		0.6464			0.1000	4.9		30.0			
Carbon disulfide	+++++ 0.7681	0.8575 0.7053	0.7504	0.7380	0.7887	Ave		0.7680			0.1000	6.8		30.0			
Acetonitrile	+++++ 0.4232	0.3564 0.3284	0.5088	0.4763	0.4907	Ave		0.4306			0.1000	17.3		30.0			
Methyl acetate	+++++ 7.9598	4.6774 7.5147	6.4485	6.9614	7.7162	Ave		6.8797			0.1000	17.6		30.0			
Methylene Chloride	+++++ 0.2590	0.2748 0.2409	0.2679	0.2631	0.2640	Ave		0.2616			0.1000	4.4		30.0			
2-Methyl-2-propanol	+++++ 1.0062	1.4080 1.0241	1.2280	1.0403	1.0747	Ave		1.1302			0.1000	14.0		30.0			
Acrylonitrile	0.0450 0.0784	0.0482 0.0775	0.0673	0.0687	0.0733	Ave		0.0655		*	0.1000	20.7		30.0			
trans-1,2-Dichloroethene	+++++ 0.2507	0.2421 0.2237	0.2301	0.2191	0.2363	Ave		0.2337			0.1000	5.0		30.0			
Methyl tert-butyl ether	+++++ 0.6924	0.7667 0.6363	0.7650	0.7117	0.7068	Ave		0.7131			0.1000	6.8		30.0			
Hexane	+++++ 0.2005	0.2143 0.1709	0.2207	0.2071	0.2123	Ave		0.2043			0.1000	8.7		30.0			
1,1-Dichloroethane	+++++ 0.4717	0.4571 0.4491	0.4328	0.3939	0.4265	Ave		0.4385			0.1000	6.2		30.0			
Vinyl acetate	+++++ 0.5599	0.3432 0.5088	0.5630	0.5537	0.5685	Ave		0.5162			0.1000	16.9		30.0			
Isopropyl ether	+++++ 0.8097	0.8729 0.7102	0.8618	0.8278	0.8469	Ave		0.8216			0.1000	7.2		30.0			
Tert-butyl ethyl ether	+++++ 0.8242	0.7610 0.7766	0.8144	0.7976	0.8179	Ave		0.7986			0.1000	3.2		30.0			
2,2-Dichloropropane	+++++ 0.0863	0.1149 0.0778	0.0855	0.0820	0.0865	Ave		0.0888		*	0.1000	14.9		30.0			
cis-1,2-Dichloroethene	+++++ 0.2828	0.2719 0.2566	0.2577	0.2387	0.2584	Ave		0.2610			0.1000	5.8		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-260852-1 Analy Batch No.: 852547

SDG No.:

Instrument ID: CVOAMS12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/29/2022 03:18 Calibration End Date: 06/29/2022 05:49 Calibration ID: 90801

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 4	LVL 5		B	M1	M2								
2-Butanone (MEK)	+++++ 0.3091	0.3569 0.2909	0.3558	0.3134	0.3193	Ave		0.3242			0.1000	8.2		30.0			
Ethyl acetate	+++++ 0.3126	0.3215 0.3010	0.3391	0.3531	0.3398	Ave		0.3279			0.1000	5.9		30.0			
Chlorobromomethane	+++++ 0.1196	0.1064 0.1021	0.1199	0.1152	0.1197	Ave		0.1138			0.1000	6.8		30.0			
Tetrahydrofuran	+++++ 0.6431	0.7011 0.6777	0.6310	0.5755	0.5922	Ave		0.6368			0.1000	7.6		30.0			
Chloroform	+++++ 0.4118	0.3677 0.3810	0.3884	0.3670	0.3782	Ave		0.3824			0.1000	4.3		30.0			
1,1,1-Trichloroethane	+++++ 0.3504	0.3108 0.3193	0.3419	0.3269	0.3420	Ave		0.3319			0.1000	4.6		30.0			
Cyclohexane	+++++ 0.2877	0.3022 0.2496	0.3242	0.2800	0.2992	Ave		0.2905			0.1000	8.6		30.0			
Carbon tetrachloride	+++++ 0.2874	0.2752 0.2538	0.2755	0.2629	0.2813	Ave		0.2727			0.1000	4.5		30.0			
1,1-Dichloropropene	+++++ 0.3406	0.3028 0.3008	0.3394	0.3152	0.3419	Ave		0.3234			0.1000	6.0		30.0			
Benzene	+++++ 1.4076	1.4508 1.2365	1.6304	1.4621	1.5031	Ave		1.4484			0.1000	8.9		30.0			
1,2-Dichloroethane	+++++ 0.2861	0.2881 0.2621	0.2984	0.2621	0.2776	Ave		0.2791			0.1000	5.3		30.0			
Isooctane	+++++ 0.4759	4.5215 0.4217	1.1072	0.6121	0.5419	Qua	3.2165	0.4881	-0.000146		0.1000				1.0000		0.9900
Isopropyl acetate	+++++ 0.0996	0.0582 0.0948	0.0837	0.0926	0.1005	Ave		0.0882		*	0.1000	18.0		30.0			
Tert-amyl methyl ether	+++++ 0.7611	0.7946 0.7021	0.7766	0.7420	0.7607	Ave		0.7562			0.1000	4.2		30.0			
n-Heptane	+++++ 0.1552	0.1962 0.1401	0.1606	0.1623	0.1618	Ave		0.1627			0.1000	11.3		30.0			
Trichloroethene	+++++ 0.2630	0.2672 0.2374	0.2613	0.2447	0.2533	Ave		0.2545			0.1000	4.5		30.0			
n-Butanol	+++++ 0.3779	+++++ 0.3558	0.0043	0.1599	0.3067	Ave		0.2409			0.1000	65.2	*	30.0			
Ethyl acrylate	+++++ 0.3348	0.2579 0.3263	0.4065	0.2222	0.2906	Ave		0.3064			0.1000	21.1		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-260852-1 Analy Batch No.: 852547

SDG No.:

Instrument ID: CVOAMS12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/29/2022 03:18 Calibration End Date: 06/29/2022 05:49 Calibration ID: 90801

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 4	LVL 5		B	M1	M2								
Methylcyclohexane	+++++ 0.2584	0.2696 0.2180	0.2590	0.2535	0.2601	Ave		0.2531			0.1000	7.1		30.0			
1,2-Dichloropropane	+++++ 0.2849	0.2875 0.2605	0.2678	0.2659	0.2792	Ave		0.2743			0.1000	4.0		30.0			
Dibromomethane	+++++ 0.1352	0.1274 0.1290	0.1275	0.1228	0.1275	Ave		0.1283			0.1000	3.1		30.0			
1,4-Dioxane	+++++ 0.9531	0.8407 0.8570	1.1360	0.9588	1.0096	Ave		0.9592			0.1000	11.3		30.0			
Methyl methacrylate	+++++ 0.0727	0.0303 0.0691	0.0610	0.0662	0.0695	Ave		0.0615		*	0.1000	25.6		30.0			
n-Propyl acetate	+++++ 0.3298	0.0267 0.3248	0.2079	0.2767	0.3033	Lin	-0.569	0.3267			0.1000				1.0000		0.9900
Dichlorobromomethane	+++++ 0.3354	0.3299 0.3137	0.2946	0.2947	0.3168	Ave		0.3142			0.1000	5.5		30.0			
2-Chloroethyl vinyl ether	+++++ 0.1936	0.1034 +++++	0.1275	0.1510	0.1791	Ave		0.1509			0.1000	24.4		30.0			
Epichlorohydrin	0.1516 0.2992	0.1041 0.2891	0.2179	0.2523	0.2840	QuaF		0.3017	-0.000001		0.1000				1.0000		0.9900
cis-1,3-Dichloropropene	+++++ 0.6276	0.4768 0.5642	0.6090	0.5880	0.6360	Ave		0.5836			0.1000	10.0		30.0			
4-Methyl-2-pentanone (MIBK)	+++++ 2.6267	1.9814 2.4052	2.2051	2.4582	2.6981	Ave		2.3958			0.1000	11.1		30.0			
Toluene	+++++ 1.4603	1.4915 1.2968	1.5880	1.4547	1.5381	Ave		1.4716			0.1000	6.7		30.0			
trans-1,3-Dichloropropene	+++++ 0.5631	0.4205 0.5175	0.4911	0.4991	0.5470	Ave		0.5064			0.1000	9.9		30.0			
Ethyl methacrylate	+++++ 0.4657	0.1275 0.4486	0.3751	0.3786	0.4488	Lin	-0.098	0.4511			0.1000				1.0000		0.9900
1,1,2-Trichloroethane	+++++ 0.2615	0.1998 0.2394	0.2707	0.2500	0.2663	Ave		0.2479			0.1000	10.6		30.0			
Tetrachloroethene	+++++ 0.3059	0.2765 0.2705	0.3028	0.2906	0.3173	Ave		0.2939			0.1000	6.2		30.0			
1,3-Dichloropropane	+++++ 0.5550	0.4655 0.5086	0.5951	0.5357	0.5663	Ave		0.5377			0.1000	8.5		30.0			
2-Hexanone	+++++ 1.7853	0.1471 1.7267	1.1085	1.4904	1.7626	Lin	-2.578	1.7360			0.1000				1.0000		0.9900

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-260852-1 Analy Batch No.: 852547

SDG No.:

Instrument ID: CVOAMS12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/29/2022 03:18 Calibration End Date: 06/29/2022 05:49 Calibration ID: 90801

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 4	LVL 5		B	M1	M2								
Chlorodibromomethane	+++++ 0.3498	0.2516 0.3284	0.3100	0.3145	0.3431	Ave		0.3163			0.1000	11.1		30.0			
Ethylene Dibromide	+++++ 0.3099	0.2293 0.2896	0.2957	0.2848	0.3147	Ave		0.2873			0.1000	10.7		30.0			
n-Butyl acetate	+++++ 0.4620	0.0966 0.4636	0.1504	0.3381	0.4078	QuaF		0.4503	0.0000273		0.1000				1.0000		0.9900
Chlorobenzene	+++++ 0.9457	0.8187 0.8734	0.9562	0.9132	0.9591	Ave		0.9110			0.1000	6.1		30.0			
1,1,1,2-Tetrachloroethane	+++++ 0.3199	0.2775 0.3016	0.3179	0.2873	0.3164	Ave		0.3034			0.1000	5.9		30.0			
Ethylbenzene	+++++ 0.4909	0.4836 0.4539	0.4932	0.4629	0.5050	Ave		0.4816			0.1000	4.0		30.0			
m-Xylene & p-Xylene	+++++ 0.6189	0.5592 0.5782	0.5943	0.5699	0.6402	Ave		0.5934			0.1000	5.2		30.0			
o-Xylene	+++++ 0.6255	0.5590 0.5807	0.6074	0.5875	0.6367	Ave		0.5995			0.1000	4.9		30.0			
Styrene	+++++ 1.0521	0.7815 0.9582	0.9437	0.9458	1.0833	Ave		0.9608			0.1000	11.0		30.0			
n-Butyl acrylate	+++++ 0.2521	+++++ 0.2527	0.1544	0.2008	0.2500	Ave		0.2220			0.1000	19.7		30.0			
Bromoform	+++++ 0.2289	0.1772 0.2324	0.1805	0.1805	0.2160	Ave		0.2026			0.1000	12.8		30.0			
Amyl acetate (mixed isomers)	+++++ 1.0308	+++++ 1.0480	0.6258	0.7807	0.9357	Ave		0.8842			0.1000	20.3		30.0			
Isopropylbenzene	+++++ 1.3093	1.3606 1.2094	1.3251	1.2481	1.3754	Ave		1.3046			0.1000	4.9		30.0			
Bromobenzene	+++++ 0.7035	0.6491 0.6687	0.7079	0.6650	0.7094	Ave		0.6839			0.1000	3.8		30.0			
1,1,2,2-Tetrachloroethane	+++++ 0.7364	0.6454 0.7355	0.7328	0.6941	0.7098	Ave		0.7090			0.1000	5.0		30.0			
1,2,3-Trichloropropane	+++++ 0.5712	0.6643 0.5611	0.5992	0.5559	0.5564	Ave		0.5847			0.1000	7.2		30.0			
trans-1,4-Dichloro-2-butene	+++++ 0.3379	+++++ 0.3544	0.2222	0.2802	0.3047	Ave		0.2999			0.1000	17.4		30.0			
N-Propylbenzene	+++++ 2.5971	2.0431 2.4031	2.3884	2.4481	2.5953	Ave		2.4125			0.1000	8.4		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-260852-1 Analy Batch No.: 852547

SDG No.:

Instrument ID: CVOAMS12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/29/2022 03:18 Calibration End Date: 06/29/2022 05:49 Calibration ID: 90801

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 4	LVL 5		B	M1	M2								
2-Chlorotoluene	+++++ 1.8365	1.6982 1.6855	1.9089	1.7901	1.8977	Ave		1.8028			0.1000	5.3		30.0			
4-Chlorotoluene	+++++ 1.6703	1.2399 1.5990	1.8375	2.0016	2.1400	Ave		1.7480			0.1000	18.3		30.0			
1,3,5-Trimethylbenzene	+++++ 1.7334	1.9427 1.6229	1.7865	1.7012	1.8304	Ave		1.7695			0.1000	6.3		30.0			
Butyl Methacrylate	+++++ 0.8576	0.2061 0.8811	0.4462	0.6135	0.7741	LinF		0.8766			0.1000				0.9990		0.9900
tert-Butylbenzene	+++++ 1.4958	1.2593 1.4019	1.4002	1.3593	1.4920	Ave		1.4014			0.1000	6.3		30.0			
1,2,4-Trimethylbenzene	+++++ 1.7852	1.5630 1.6862	1.6324	1.6557	1.8062	Ave		1.6881			0.1000	5.5		30.0			
sec-Butylbenzene	+++++ 2.0391	1.6841 1.9157	1.8352	1.8475	2.0120	Ave		1.8889			0.1000	6.9		30.0			
1,3-Dichlorobenzene	+++++ 1.2035	0.9708 1.1146	1.1240	1.1487	1.2363	Ave		1.1330			0.1000	8.2		30.0			
1,4-Dichlorobenzene	+++++ 1.2381	1.3700 1.1160	1.3791	1.2387	1.2775	Ave		1.2699			0.1000	7.7		30.0			
4-Isopropyltoluene	+++++ 1.6090	1.3776 1.4838	1.5307	1.4936	1.6159	Ave		1.5184			0.1000	5.9		30.0			
1,2,3-Trimethylbenzene	+++++ 1.8925	1.7665 1.7618	1.8175	1.8355	1.9461	Ave		1.8367			0.1000	3.9		30.0			
Benzyl chloride	+++++ 0.3090	0.1232 0.3076	0.2380	0.2629	0.2779	Ave		0.2531			0.1000	27.3		30.0			
1,2-Dichlorobenzene	+++++ 1.2004	1.0562 1.0886	1.2124	1.1795	1.2478	Ave		1.1641			0.1000	6.5		30.0			
n-Butylbenzene	+++++ 0.7189	0.5641 0.6773	0.6334	0.6711	0.7202	Ave		0.6642			0.1000	8.9		30.0			
1,2-Dibromo-3-Chloropropane	+++++ 0.1562	0.1264 0.1613	0.1358	0.1390	0.1437	Ave		0.1437			0.1000	9.1		30.0			
1,3,5-Trichlorobenzene	+++++ 0.5533	0.4499 0.5163	0.5262	0.5374	0.5863	Ave		0.5282			0.1000	8.6		30.0			
1,2,4-Trichlorobenzene	+++++ 0.5293	0.4805 0.4887	0.4533	0.4530	0.5165	Ave		0.4869			0.1000	6.5		30.0			
Hexachlorobutadiene	+++++ 0.2296	0.2973 0.2088	0.2297	0.2073	0.2291	Ave		0.2336			0.1000	14.1		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-260852-1 Analy Batch No.: 852547

SDG No.:

Instrument ID: CVOAMS12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/29/2022 03:18 Calibration End Date: 06/29/2022 05:49 Calibration ID: 90801

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 4	LVL 5		B	M1	M2								
Naphthalene	+++++ 1.3709	0.9150 1.3671	1.1527	1.1845	1.3321	Ave		1.2204			0.1000	14.5		30.0			
1,2,3-Trichlorobenzene	+++++ 0.4467	0.3590 0.4319	0.4419	0.4162	0.4559	Ave		0.4253			0.1000	8.3		30.0			
Dibromofluoromethane (Surr)	0.1819 0.2279	0.2115 0.2063	0.2142	0.1896	0.2052	Ave		0.2052			0.1000	7.5		30.0			
1,2-Dichloroethane-d4 (Surr)	0.1979 0.2388	0.2409 0.2252	0.2414	0.2112	0.2225	Ave		0.2254			0.1000	7.3		30.0			
Toluene-d8 (Surr)	1.2064 1.3625	1.3280 1.2146	1.5072	1.3071	1.3838	Ave		1.3299			0.1000	7.8		30.0			
4-Bromofluorobenzene	0.3302 0.3960	0.3839 0.3823	0.4220	0.3662	0.4009	Ave		0.3831			0.1000	7.6		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison Job No.: 460-260852-1 Analy Batch No.: 852547

SDG No.:

Instrument ID: CVOAMS12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/29/2022 03:18 Calibration End Date: 06/29/2022 05:49 Calibration ID: 90801

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD7 460-852547/3	O78552.d
Level 2	STD1 460-852547/4	O78553.d
Level 3	STD5 460-852547/5	O78554.d
Level 4	STD20 460-852547/6	O78555.d
Level 5	STD50 460-852547/7	O78556.d
Level 6	STD200 460-852547/8	O78557.d
Level 7	STD500 460-852547/9	O78558.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	+++++ 697977	2317 1596617	12997	56130	146230	+++++ 200	1.00 500	5.00	20.0	50.0
Chloromethane	FB	Ave	+++++ 812278	3729 2023227	16139	67942	179749	+++++ 200	1.00 500	5.00	20.0	50.0
Vinyl chloride	FB	Ave	+++++ 707876	3169 1688627	15784	63088	164932	+++++ 200	1.00 500	5.00	20.0	50.0
Bromomethane	FB	Ave	+++++ 365727	2218 +++++	10272	36796	78193	+++++ 200	1.00 +++++	5.00	20.0	50.0
Chloroethane	FB	Ave	+++++ 436174	2169 939196	10547	41890	104160	+++++ 200	1.00 500	5.00	20.0	50.0
Trichlorofluoromethane	FB	Ave	+++++ 700244	3133 1666665	14429	67570	171483	+++++ 200	1.00 500	5.00	20.0	50.0
Pentane	FB	Ave	+++++ 211508	912 465165	5611	22782	58378	+++++ 400	2.00 1000	10.0	40.0	100
Ethanol	TBAd9	Ave	+++++ 91279	581 254132	2407	9002	24292	+++++ 8000	40.0 20000	200	800	2000
Ethyl ether	FB	Ave	+++++ 450129	2367 1104398	10933	42064	111885	+++++ 200	1.00 500	5.00	20.0	50.0
2-Methyl-1,3-butadiene	FB	Ave	+++++ 494607	2294 1131745	11837	53407	133853	+++++ 200	1.00 500	5.00	20.0	50.0
Acrolein	TBAd9	Ave	+++++ 60515	1007 130038	5553	10676	28718	+++++ 200	4.00 400	20.0	40.0	100
1,1-Dichloroethene	FB	Ave	+++++ 498366	2242 1188468	11863	49685	129875	+++++ 200	1.00 500	5.00	20.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison Job No.: 460-260852-1 Analy Batch No.: 852547

SDG No.:

Instrument ID: CVOAMS12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/29/2022 03:18 Calibration End Date: 06/29/2022 05:49 Calibration ID: 90801

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	+++++ 426108	2087 943792	10580	43774	111874	+++++ 200	1.00 500	5.00	20.0	50.0
Acetone	BUT	Ave	+++++ 204208	941 548013	4708	18055	45200	+++++ 1000	5.00 2500	25.0	100	250
Iodomethane	FB	Ave	+++++ 799660	2191 1876264	13724	70815	197937	+++++ 200	1.00 500	5.00	20.0	50.0
Isopropyl alcohol	TBAd9	Ave	+++++ 232655	1052 696384	4944	21654	57353	+++++ 2000	10.0 5000	50.0	200	500
Carbon disulfide	FB	Ave	+++++ 1750259	9110 4262230	40884	174422	463159	+++++ 200	1.00 500	5.00	20.0	50.0
Acetonitrile	TBAd9	Ave	+++++ 156622	592 378419	3891	15298	40701	+++++ 2000	10.0 5000	50.0	200	500
Methyl acetate	TBAd9	Ave	+++++ 589225	1554 1732046	9863	44720	128002	+++++ 400	2.00 1000	10.0	40.0	100
Methylene Chloride	FB	Ave	+++++ 590219	2919 1455948	14597	62178	155050	+++++ 200	1.00 500	5.00	20.0	50.0
2-Methyl-2-propanol	TBAd9	Ave	+++++ 372438	2339 1180175	9391	33414	89140	+++++ 2000	10.0 5000	50.0	200	500
Acrylonitrile	FB	Ave	1093 1787306	5120 4685937	36652	162390	430479	2.00 2000	10.0 5000	50.0	200	500
trans-1,2-Dichloroethene	FB	Ave	+++++ 571238	2572 1351807	12539	51785	138758	+++++ 200	1.00 500	5.00	20.0	50.0
Methyl tert-butyl ether	FB	Ave	+++++ 1577889	8145 3845544	41679	168199	415035	+++++ 200	1.00 500	5.00	20.0	50.0
Hexane	FB	Ave	+++++ 456890	2277 1032577	12023	48949	124695	+++++ 200	1.00 500	5.00	20.0	50.0
1,1-Dichloroethane	FB	Ave	+++++ 1074889	4856 2713997	23583	93094	250477	+++++ 200	1.00 500	5.00	20.0	50.0
Vinyl acetate	BUT	Ave	+++++ 218519	632 541974	4689	20666	52647	+++++ 400	2.00 1000	10.0	40.0	100
Isopropyl ether	FB	Ave	+++++	9274	46955	195645	497339	+++++	1.00	5.00	20.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison Job No.: 460-260852-1 Analy Batch No.: 852547

SDG No.:

Instrument ID: CVOAMS12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/29/2022 03:18 Calibration End Date: 06/29/2022 05:49 Calibration ID: 90801

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
			1845220	4292146				200	500			
Tert-butyl ethyl ether	FB	Ave	+++++ 1878210	8085 4693281	44375	188497	480286	+++++ 200	1.00 500	5.00	20.0	50.0
2,2-Dichloropropane	FB	Ave	+++++ 196616	1221 470138	4659	19375	50798	+++++ 200	1.00 500	5.00	20.0	50.0
cis-1,2-Dichloroethene	FB	Ave	+++++ 644532	2889 1550558	14040	56405	151761	+++++ 200	1.00 500	5.00	20.0	50.0
2-Butanone (MEK)	BUT	Ave	+++++ 301539	1643 774627	7408	29238	73922	+++++ 1000	5.00 2500	25.0	100	250
Ethyl acetate	BUT	Ave	+++++ 122000	592 320648	2824	13180	31468	+++++ 400	2.00 1000	10.0	40.0	100
Chlorobromomethane	FB	Ave	+++++ 272468	1130 616776	6531	27238	70305	+++++ 200	1.00 500	5.00	20.0	50.0
Tetrahydrofuran	BUT	Ave	+++++ 250971	1291 721893	5255	21481	54838	+++++ 400	2.00 1000	10.0	40.0	100
Chloroform	FB	Ave	+++++ 938522	3906 2302543	21162	86730	222106	+++++ 200	1.00 500	5.00	20.0	50.0
1,1,1-Trichloroethane	FB	Ave	+++++ 798417	3302 1929718	18626	77254	200808	+++++ 200	1.00 500	5.00	20.0	50.0
Cyclohexane	FB	Ave	+++++ 655509	3211 1508639	17665	66187	175721	+++++ 200	1.00 500	5.00	20.0	50.0
Carbon tetrachloride	FB	Ave	+++++ 655031	2924 1533775	15013	62134	165185	+++++ 200	1.00 500	5.00	20.0	50.0
1,1-Dichloropropene	FB	Ave	+++++ 776239	3217 1817615	18492	74484	200754	+++++ 200	1.00 500	5.00	20.0	50.0
Benzene	CBNZ d5	Ave	+++++ 2421759	11445 5756939	57729	240239	620895	+++++ 200	1.00 500	5.00	20.0	50.0
1,2-Dichloroethane	FB	Ave	+++++ 652054	3061 1583807	16260	61949	163033	+++++ 200	1.00 500	5.00	20.0	50.0
Isooctane	FB	Qua	+++++ 1084576	48037 2548454	60324	144662	318237	+++++ 200	1.00 500	5.00	20.0	50.0
Isopropyl acetate	FB	Ave	+++++ 226960	618 572889	4562	21876	59047	+++++ 200	1.00 500	5.00	20.0	50.0
Tert-amyl methyl ether	FB	Ave	+++++ 1734425	8442 4242757	42315	175359	446698	+++++ 200	1.00 500	5.00	20.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison Job No.: 460-260852-1 Analy Batch No.: 852547

SDG No.:

Instrument ID: CVOAMS12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/29/2022 03:18 Calibration End Date: 06/29/2022 05:49 Calibration ID: 90801

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
n-Heptane	FB	Ave	+++++ 353591	2084 846828	8751	38348	95000	+++++ 200	1.00 500	5.00	20.0	50.0
Trichloroethene	FB	Ave	+++++ 599359	2839 1434857	14238	57825	148749	+++++ 200	1.00 500	5.00	20.0	50.0
n-Butanol	TBAd9	Ave	+++++ 349652	+++++ 1025125	82	12842	63588	+++++ 5000	+++++ 12500	125	500	1250
Ethyl acrylate	FB	Ave	+++++ 763060	2740 1971702	22150	52515	170644	+++++ 200	1.00 500	5.00	20.0	50.0
Methylcyclohexane	FB	Ave	+++++ 588774	2864 1317151	14110	59919	152713	+++++ 200	1.00 500	5.00	20.0	50.0
1,2-Dichloropropane	FB	Ave	+++++ 649142	3054 1574126	14591	62833	163956	+++++ 200	1.00 500	5.00	20.0	50.0
Dibromomethane	FB	Ave	+++++ 308166	1354 779828	6949	29033	74855	+++++ 200	1.00 500	5.00	20.0	50.0
1,4-Dioxane	DXE	Ave	+++++ 120892	1210 324224	2648	11627	30371	+++++ 4000	50.0 10000	100	400	1000
Methyl methacrylate	FB	Ave	+++++ 331336	644 835567	6649	31269	81597	+++++ 400	2.00 1000	10.0	40.0	100
n-Propyl acetate	FB	Lin	+++++ 751449	284 1962583	11328	65391	178116	+++++ 200	1.00 500	5.00	20.0	50.0
Dichlorobromomethane	FB	Ave	+++++ 764354	3505 1895737	16049	69656	186023	+++++ 200	1.00 500	5.00	20.0	50.0
2-Chloroethyl vinyl ether	FB	Ave	+++++ 442226	1101 +++++	6963	35768	105412	+++++ 200	1.00 +++++	5.01	20.0	50.1
Epichlorohydrin	BUT	QuaF	691 1167461	1917 3079741	18148	94165	263000	5.00 4000	20.0 10000	100	400	1000
cis-1,3-Dichloropropene	CBNZd5	Ave	+++++ 1079743	3761 2626696	21564	96619	262727	+++++ 200	1.00 500	5.00	20.0	50.0
4-Methyl-2-pentanone (MIBK)	BUT	Ave	+++++ 2562686	9122 6405171	45913	229363	624611	+++++ 1000	5.00 2500	25.0	100	250
Toluene	CBNZd5	Ave	+++++ 2512384	11766 6037847	56229	239021	635360	+++++ 200	1.00 500	5.00	20.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison Job No.: 460-260852-1 Analy Batch No.: 852547

SDG No.:

Instrument ID: CVOAMS12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/29/2022 03:18 Calibration End Date: 06/29/2022 05:49 Calibration ID: 90801

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
trans-1,3-Dichloropropene	CBNZ d5	Ave	+++++ 968752	3317 2409407	17390	82003	225945	+++++ 200	1.00 500	5.00	20.0	50.0
Ethyl methacrylate	CBNZ d5	Lin	+++++ 801191	1006 2088408	13282	62199	185405	+++++ 200	1.00 500	5.00	20.0	50.0
1,1,2-Trichloroethane	CBNZ d5	Ave	+++++ 449931	1576 1114635	9585	41079	109995	+++++ 200	1.00 500	5.00	20.0	50.0
Tetrachloroethene	CBNZ d5	Ave	+++++ 526363	2181 1259257	10722	47749	131057	+++++ 200	1.00 500	5.00	20.0	50.0
1,3-Dichloropropane	CBNZ d5	Ave	+++++ 954879	3672 2367818	21072	88018	233904	+++++ 200	1.00 500	5.00	20.0	50.0
2-Hexanone	BUT	Lin	+++++ 1741814	677 4598321	23080	139064	408049	+++++ 1000	5.00 2500	25.0	100	250
Chlorodibromomethane	CBNZ d5	Ave	+++++ 601860	1985 1529048	10976	51681	141742	+++++ 200	1.00 500	5.00	20.0	50.0
Ethylene Dibromide	CBNZ d5	Ave	+++++ 533116	1809 1348208	10471	46791	130007	+++++ 200	1.00 500	5.00	20.0	50.0
n-Butyl acetate	CBNZ d5	QuaF	+++++ 794819	762 2158315	5325	55551	168461	+++++ 200	1.00 500	5.00	20.0	50.0
Chlorobenzene	CBNZ d5	Ave	+++++ 1627024	6458 4066189	33857	150050	396156	+++++ 200	1.00 500	5.00	20.0	50.0
1,1,1,2-Tetrachloroethane	CBNZ d5	Ave	+++++ 550400	2189 1404225	11255	47211	130683	+++++ 200	1.00 500	5.00	20.0	50.0
Ethylbenzene	CBNZ d5	Ave	+++++ 844558	3815 2113063	17464	76060	208587	+++++ 200	1.00 500	5.00	20.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison Job No.: 460-260852-1 Analy Batch No.: 852547

SDG No.:

Instrument ID: CVOAMS12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/29/2022 03:18 Calibration End Date: 06/29/2022 05:49 Calibration ID: 90801

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
m-Xylene & p-Xylene	CBNZ d5	Ave	+++++ 1064904	4411 2692171	21042	93639	264433	+++++ 200	1.00 500	5.00	20.0	50.0
o-Xylene	CBNZ d5	Ave	+++++ 1076169	4410 2703413	21509	96533	262984	+++++ 200	1.00 500	5.00	20.0	50.0
Styrene	CBNZ d5	Ave	+++++ 1810133	6165 4461226	33417	155411	447462	+++++ 200	1.00 500	5.00	20.0	50.0
n-Butyl acrylate	CBNZ d5	Ave	+++++ 433678	+++++ 1176523	5466	32991	103249	+++++ 200	+++++ 500	5.00	20.0	50.0
Bromoform	CBNZ d5	Ave	+++++ 393771	1398 1082120	6390	29651	89214	+++++ 200	1.00 500	5.00	20.0	50.0
Amyl acetate (mixed isomers)	DCBd 4	Ave	+++++ 981128	+++++ 2685677	12370	70084	216604	+++++ 200	+++++ 500	5.00	20.0	50.0
Isopropylbenzene	CBNZ d5	Ave	+++++ 2252707	10733 5630739	46919	205079	568114	+++++ 200	1.00 500	5.00	20.0	50.0
Bromobenzene	DCBd 4	Ave	+++++ 669598	2819 1713812	13993	59702	164208	+++++ 200	1.00 500	5.00	20.0	50.0
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	+++++ 700965	2803 1884849	14485	62310	164297	+++++ 200	1.00 500	5.00	20.0	50.0
1,2,3-Trichloropropane	DCBd 4	Ave	+++++ 543715	2885 1437978	11845	49906	128806	+++++ 200	1.00 500	5.00	20.0	50.0
trans-1,4-Dichloro-2-butene	DCBd 4	Ave	+++++ 321660	+++++ 908306	4392	25155	70542	+++++ 200	+++++ 500	5.00	20.0	50.0
N-Propylbenzene	DCBd 4	Ave	+++++ 2472052	8873 6158528	47213	219783	600751	+++++ 200	1.00 500	5.00	20.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison Job No.: 460-260852-1 Analy Batch No.: 852547

SDG No.:

Instrument ID: CVOAMS12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/29/2022 03:18 Calibration End Date: 06/29/2022 05:49 Calibration ID: 90801

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
2-Chlorotoluene	DCBd 4	Ave	+++++ 1748036	7375 4319527	37735	160705	439284	+++++ 200	1.00 500	5.00	20.0	50.0
4-Chlorotoluene	DCBd 4	Ave	+++++ 1589808	5385 4097856	36322	179695	495360	+++++ 200	1.00 500	5.00	20.0	50.0
1,3,5-Trimethylbenzene	DCBd 4	Ave	+++++ 1649955	8437 4159017	35315	152728	423697	+++++ 200	1.00 500	5.00	20.0	50.0
Butyl Methacrylate	DCBd 4	LinF	+++++ 816341	895 2258029	8821	55079	179200	+++++ 200	1.00 500	5.00	20.0	50.0
tert-Butylbenzene	DCBd 4	Ave	+++++ 1423751	5469 3592709	27679	122029	345365	+++++ 200	1.00 500	5.00	20.0	50.0
1,2,4-Trimethylbenzene	DCBd 4	Ave	+++++ 1699215	6788 4321261	32268	148639	418099	+++++ 200	1.00 500	5.00	20.0	50.0
sec-Butylbenzene	DCBd 4	Ave	+++++ 1940897	7314 4909333	36277	165861	465728	+++++ 200	1.00 500	5.00	20.0	50.0
1,3-Dichlorobenzene	DCBd 4	Ave	+++++ 1145534	4216 2856368	22218	103123	286183	+++++ 200	1.00 500	5.00	20.0	50.0
1,4-Dichlorobenzene	DCBd 4	Ave	+++++ 1178451	5950 2859970	27261	111207	295724	+++++ 200	1.00 500	5.00	20.0	50.0
4-Isopropyltoluene	DCBd 4	Ave	+++++ 1531548	5983 3802582	30259	134085	374050	+++++ 200	1.00 500	5.00	20.0	50.0
1,2,3-Trimethylbenzene	DCBd 4	Ave	+++++ 1801354	7672 4515010	35927	164785	450481	+++++ 200	1.00 500	5.00	20.0	50.0
Benzyl chloride	DCBd 4	Ave	+++++ 294118	535 788170	4705	23605	64336	+++++ 200	1.00 500	5.00	20.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison Job No.: 460-260852-1 Analy Batch No.: 852547

SDG No.:

Instrument ID: CVOAMS12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/29/2022 03:18 Calibration End Date: 06/29/2022 05:49 Calibration ID: 90801

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,2-Dichlorobenzene	DCBd 4	Ave	+++++ 1142587	4587 2789670	23966	105891	288843	+++++ 200	1.00 500	5.00	20.0	50.0
n-Butylbenzene	DCBd 4	Ave	+++++ 684251	2450 1735852	12520	60249	166722	+++++ 200	1.00 500	5.00	20.0	50.0
1,2-Dibromo-3-Chloropropane	DCBd 4	Ave	+++++ 148633	549 413250	2684	12475	33273	+++++ 200	1.00 500	5.00	20.0	50.0
1,3,5-Trichlorobenzene	DCBd 4	Ave	+++++ 526626	1954 1323221	10402	48244	135722	+++++ 200	1.00 500	5.00	20.0	50.0
1,2,4-Trichlorobenzene	DCBd 4	Ave	+++++ 503787	2087 1252512	8961	40666	119552	+++++ 200	1.00 500	5.00	20.0	50.0
Hexachlorobutadiene	DCBd 4	Ave	+++++ 218503	1291 535061	4541	18612	53022	+++++ 200	1.00 500	5.00	20.0	50.0
Naphthalene	DCBd 4	Ave	+++++ 1304909	3974 3503534	22786	106335	308352	+++++ 200	1.00 500	5.00	20.0	50.0
1,2,3-Trichlorobenzene	DCBd 4	Ave	+++++ 425199	1559 1106790	8735	37365	105528	+++++ 200	1.00 500	5.00	20.0	50.0
Dibromofluoromethane (Surr)	FB	Ave	110343 129840	112324 124658	116732	112040	120508	50.0 50.0	50.0 50.0	50.0	50.0	50.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	120074 136070	127942 136088	131511	124802	130651	50.0 50.0	50.0 50.0	50.0	50.0	50.0
Toluene-d8 (Surr)	CBNZ d5	Ave	502265 586054	523809 565489	533696	536909	571599	50.0 50.0	50.0 50.0	50.0	50.0	50.0
4-Bromofluorobenzene	CBNZ d5	Ave	137492 170314	151413 177969	149434	150427	165601	50.0 50.0	50.0 50.0	50.0	50.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison Job No.: 460-260852-1 Analy Batch No.: 852547

SDG No.:

Instrument ID: CVOAMS12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/29/2022 03:18 Calibration End Date: 06/29/2022 05:49 Calibration ID: 90801

Curve Type Legend

Ave = Average ISTD
Lin = Linear ISTD
LinF = Linear ISTD forced zero
Qua = Quadratic ISTD
QuaF = Quadratic ISTD forced zero

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS12\20220629-147196.b\O78552.d
Lims ID: STD7
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 29-Jun-2022 03:18:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD7
Misc. Info.: 460-0147196-003
Operator ID: Instrument ID: CVOAMS12
Sublist: chrom-8260W_12*sub26

Method: \\chromfs\Edison\ChromData\CVOAMS12\20220629-147196.b\8260W_12.m
Limit Group: VOA 8260 DEL ICAL
Last Update: 29-Jun-2022 19:43:17 Calib Date: 29-Jun-2022 05:49:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Continuing Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS12\20220629-147196.b\O78558.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1670

First Level Reviewer: HVW2 Date: 29-Jun-2022 04:05:04

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
8 Butadiene	54	1.073	1.073	0.000	91	807	NC	NC	
* 31 TBA-d9 (IS)	65	2.043	2.043	0.000	100	164486	1000.0	1000.0	
33 Acrylonitrile	53	2.237	2.169	0.068	74	1093	2.00	1.38	
* 43 2-Butanone-d5	46	2.899	2.888	0.011	99	227881	250.0	250.0	
$ 53 Dibromofluoromethane (Surr)	113	3.322	3.322	0.000	97	110343	50.0	44.3	
$ 58 1,2-Dichloroethane-d4 (Surr)	65	3.619	3.619	0.000	0	120074	50.0	43.9	
* 65 Fluorobenzene	96	3.938	3.938	0.000	99	606697	50.0	50.0	
* 72 1,4-Dioxane-d8	96	4.658	4.646	0.012	0	25117	1000.0	1000.0	
80 Epichlorohydrin	57	5.286	5.263	0.023	23	691	5.00	2.51	a
$ 83 Toluene-d8 (Surr)	98	5.685	5.685	0.000	99	502265	50.0	45.4	
* 94 Chlorobenzene-d5	117	7.615	7.603	0.012	87	416336	50.0	50.0	
$ 105 4-Bromofluorobenzene	174	9.430	9.430	0.000	90	137492	50.0	43.1	
* 120 1,4-Dichlorobenzene-d4	152	11.291	11.279	0.012	95	215640	50.0	50.0	

QC Flag Legend

Processing Flags
NC - Not Calibrated
Review Flags
a - User Assigned ID

Reagents:

8260SURR250_00230	Amount Added:	1.00	Units: uL	
ACROLEIN W_00141	Amount Added:	0.00	Units: uL	
8260MIX1COMB_00155	Amount Added:	0.00	Units: uL	
ACRY/EPIH MIX_00101	Amount Added:	20.00	Units: uL	
Ethanol mix_00066	Amount Added:	0.00	Units: uL	
MIX 2 Hi_00124	Amount Added:	0.00	Units: uL	
14DIOXNEAT_00003	Amount Added:	0.00	Units: uL	
524freon_00054	Amount Added:	0.00	Units: uL	
8FreonHi_00046	Amount Added:	0.00	Units: uL	
GAS Hi_00417	Amount Added:	0.00	Units: uL	
MIX I Hi_00151	Amount Added:	0.00	Units: uL	
GASES Li_00482	Amount Added:	2.50	Units: uL	
8260ISNEW_00171	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 29-Jun-2022 19:43:18 Chrom Revision: 2.3 20-Jun-2022 20:10:40

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS12\20220629-147196.b\O78552.d

Injection Date: 29-Jun-2022 03:18:30 Instrument ID: CVOAMS12 Operator ID:

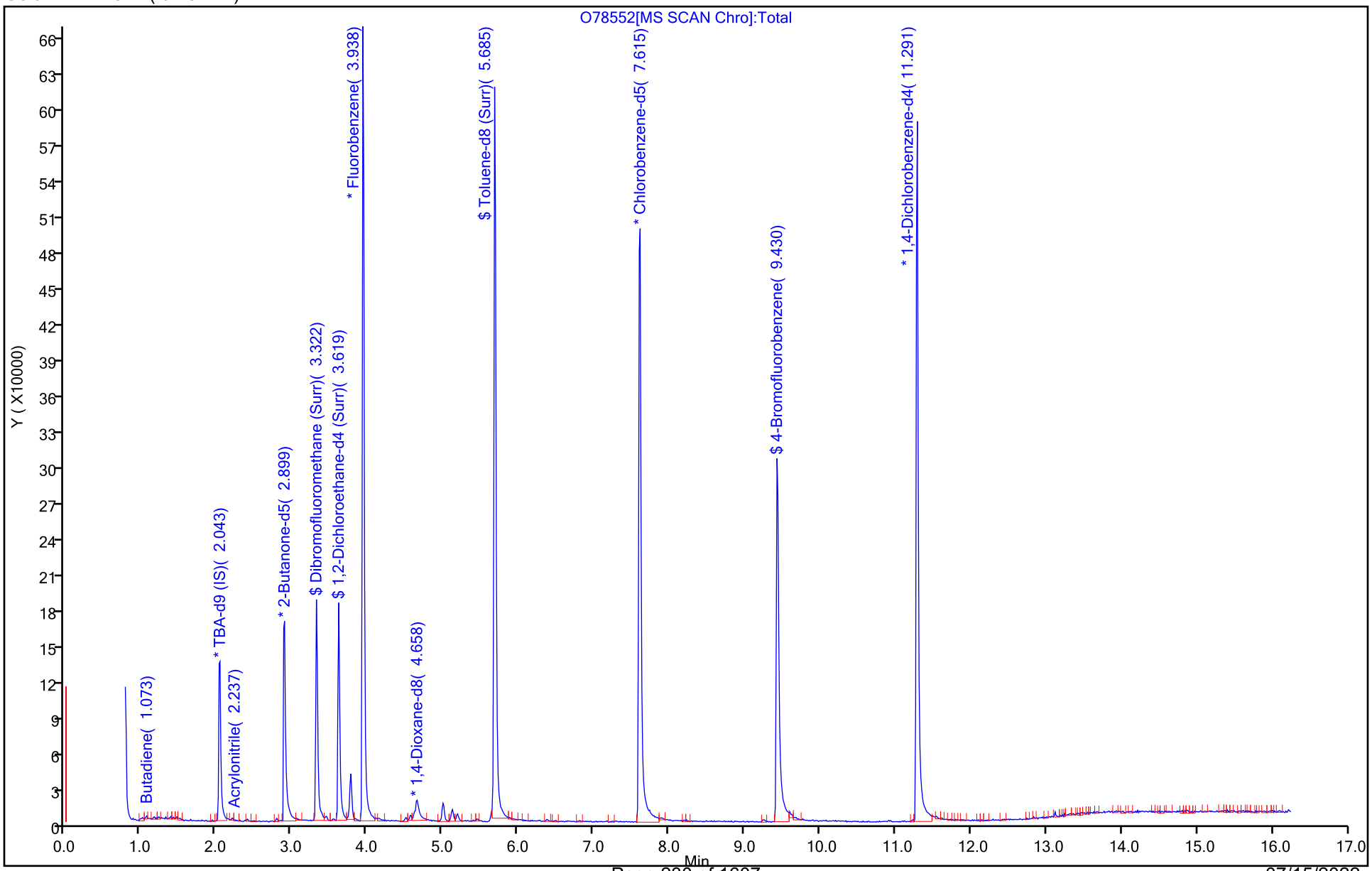
Lims ID: STD7 Worklist Smp#: 3

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 2

Method: 8260W_12 Limit Group: VOA 8260 DEL ICAL

Column: DB-624 (0.18 mm)



Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS12\20220629-147196.b\O78553.d
Lims ID: STD1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 29-Jun-2022 03:43:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD1
Misc. Info.: 460-0147196-004
Operator ID: Instrument ID: CVOAMS12
Sublist: chrom-8260W_12*sub26

Method: \\chromfs\Edison\ChromData\CVOAMS12\20220629-147196.b\8260W_12.m
Limit Group: VOA 8260 DEL ICAL
Last Update: 29-Jun-2022 19:43:22 Calib Date: 29-Jun-2022 05:49:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Continuing Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS12\20220629-147196.b\O78558.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1670

First Level Reviewer: HVW2 Date: 29-Jun-2022 04:11:48

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Chlorotrifluoroethene	116	0.879	0.879	0.000	41	902	NC	NC	a
3 Dichlorodifluoromethane	85	0.890	0.890	0.000	96	2317	1.00	0.8645	
5 Chlorodifluoromethane	67	0.901	0.901	0.000	90	458	NC	NC	
6 Chloromethane	50	0.993	1.004	-0.011	98	3729	1.00	1.09	
7 Vinyl chloride	62	1.050	1.050	0.000	94	3169	1.00	1.04	
8 Butadiene	54	1.073	1.073	0.000	87	2937	NC	NC	
9 Bromomethane	94	1.221	1.221	0.000	96	2218	1.00	1.23	
10 Chloroethane	64	1.278	1.278	0.000	98	2169	1.00	1.11	
11 Dichlorofluoromethane	67	1.392	1.392	0.000	94	4538	NC	NC	
12 Trichlorofluoromethane	101	1.427	1.427	0.000	95	3133	1.00	1.03	
13 Pentane	57	1.472	1.472	0.000	95	912	2.00	1.86	
14 Ethanol	46	1.529	1.529	0.000	61	581	40.0	49.2	
15 Ethyl ether	59	1.586	1.586	0.000	95	2367	1.00	1.14	
16 1,2-Dichloro-1,1,2-trifluoroetha	117	1.586	1.586	0.000	90	2226	NC	NC	
17 2-Methyl-1,3-butadiene	53	1.598	1.598	0.000	94	2294	1.00	1.00	
18 1,1,1-Trifluoro-2,2-dichloroetha	83	1.632	1.621	0.011	95	3550	NC	NC	
19 Acrolein	56	1.666	1.655	0.011	89	1007	4.00	3.72	
20 1,1-Dichloroethene	96	1.723	1.712	0.011	91	2242	1.00	0.99	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	1.723	1.723	0.000	70	2087	1.00	1.06	
22 Acetone	58	1.758	1.746	0.012	80	941	5.00	4.97	
23 Iodomethane	142	1.815	1.803	0.012	97	2191	1.00	0.7046	
24 Isopropyl alcohol	45	1.860	1.838	0.022	26	1052	10.0	9.80	
25 Carbon disulfide	76	1.849	1.849	0.000	99	9110	1.00	1.12	
26 Acetonitrile	38	1.940	1.940	0.000	81	592	10.0	8.28	
27 3-Chloro-1-propene	76	1.940	1.940	0.000	95	1702	NC	NC	
28 Methyl acetate	43	1.975	1.952	0.023	74	1554	2.00	1.36	
29 Cyclopentene	67	1.997	1.986	0.011	94	5943	NC	NC	
30 Methylene Chloride	84	2.020	2.020	0.000	88	2919	1.00	1.05	
* 31 TBA-d9 (IS)	65	2.032	2.043	-0.011	100	166118	1000.0	1000.0	
32 2-Methyl-2-propanol	59	2.100	2.089	0.011	33	2339	10.0	12.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
33 Acrylonitrile	53	2.192	2.169	0.023	90	5120	10.0	7.36	
34 trans-1,2-Dichloroethene	96	2.203	2.192	0.011	63	2572	1.00	1.04	
35 Methyl tert-butyl ether	73	2.203	2.203	0.000	98	8145	1.00	1.08	
36 Hexane	57	2.397	2.397	0.000	95	2277	1.00	1.05	a
37 1,1-Dichloroethane	63	2.488	2.488	0.000	98	4856	1.00	1.04	
38 Vinyl acetate	86	2.557	2.534	0.023	99	632	2.00	1.33	
39 Isopropyl ether	45	2.557	2.557	0.000	82	9274	1.00	1.06	
40 2-Chloro-1,3-butadiene	88	2.568	2.557	0.011	61	2309	NC	NC	
41 Tert-butyl ethyl ether	59	2.831	2.831	0.000	89	8085	1.00	0.9529	
* 43 2-Butanone-d5	46	2.888	2.888	0.000	99	230187	250.0	250.0	
44 2,2-Dichloropropane	97	2.922	2.922	0.000	48	1221	1.00	1.29	
45 cis-1,2-Dichloroethene	96	2.934	2.922	0.012	94	2889	1.00	1.04	
46 2-Butanone (MEK)	72	2.956	2.934	0.022	97	1643	5.00	5.50	
42 Propionitrile	54	3.014	2.979	0.035	74	1104	NC	NC	
47 Ethyl acetate	70	3.036	3.002	0.034	92	592	2.00	1.96	
48 Methyl acrylate	55	3.059	3.025	0.034	33	2601	NC	NC	a
50 Methacrylonitrile	67	3.128	3.105	0.023	89	9572	NC	NC	
49 Chlorobromomethane	128	3.116	3.116	0.000	90	1130	1.00	0.9346	
51 Tetrahydrofuran	42	3.185	3.162	0.023	40	1291	2.00	2.20	
52 Chloroform	83	3.185	3.185	0.000	99	3906	1.00	0.9616	
$ 53 Dibromofluoromethane (Surr)	113	3.322	3.322	0.000	97	112324	50.0	51.5	
54 1,1,1-Trichloroethane	97	3.345	3.345	0.000	97	3302	1.00	0.9365	
55 Cyclohexane	84	3.390	3.390	0.000	93	3211	1.00	1.04	
56 Carbon tetrachloride	117	3.493	3.493	0.000	90	2924	1.00	1.01	
57 1,1-Dichloropropene	75	3.504	3.493	0.011	91	3217	1.00	0.9362	
$ 58 1,2-Dichloroethane-d4 (Surr)	65	3.619	3.619	0.000	0	127942	50.0	53.4	
59 Benzene	78	3.676	3.676	0.000	95	11445	1.00	1.00	
60 1,2-Dichloroethane	62	3.699	3.687	0.012	47	3061	1.00	1.03	
62 Isooctane	57	3.778	3.778	0.000	99	48037	1.00	2.68	
63 Isopropyl acetate	61	3.790	3.778	0.012	66	618	1.00	0.6593	
64 Tert-amyl methyl ether	73	3.801	3.801	0.000	89	8442	1.00	1.05	
* 65 Fluorobenzene	96	3.938	3.938	0.000	99	531202	50.0	50.0	
66 n-Heptane	43	3.973	3.961	0.012	49	2084	1.00	1.21	a
67 Trichloroethene	95	4.326	4.304	0.022	94	2839	1.00	1.05	
69 Ethyl acrylate	55	4.509	4.463	0.046	91	2740	1.00	0.8418	a
70 Methylcyclohexane	83	4.509	4.509	0.000	82	2864	1.00	1.07	
71 1,2-Dichloropropane	63	4.543	4.532	0.011	91	3054	1.00	1.05	
* 72 1,4-Dioxane-d8	96	4.646	4.646	0.000	0	28786	1000.0	1000.0	
73 Dibromomethane	93	4.669	4.646	0.023	84	1354	1.00	0.99	
74 1,4-Dioxane	88	4.715	4.692	0.023	18	1210	50.0	43.8	
75 Methyl methacrylate	100	4.737	4.703	0.034	65	644	2.00	0.9862	M
76 n-Propyl acetate	43	4.817	4.795	0.022	1	284	1.00	1.82	Ma
77 Dichlorobromomethane	83	4.852	4.840	0.012	95	3505	1.00	1.05	
78 2-Nitropropane	41	5.114	5.103	0.011	73	2887	NC	NC	
79 2-Chloroethyl vinyl ether	63	5.297	5.228	0.069	60	1101	1.00	0.6867	
80 Epichlorohydrin	57	5.331	5.263	0.068	30	1917	20.0	6.90	
81 cis-1,3-Dichloropropene	75	5.388	5.365	0.023	91	3761	1.00	0.8169	
82 4-Methyl-2-pentanone (MIBK)	43	5.605	5.582	0.023	39	9122	5.00	4.14	M
$ 83 Toluene-d8 (Surr)	98	5.685	5.685	0.000	99	523809	50.0	49.9	
84 Toluene	91	5.776	5.765	0.011	92	11766	1.00	1.01	
85 trans-1,3-Dichloropropene	75	6.142	6.073	0.069	93	3317	1.00	0.8304	
86 Ethyl methacrylate	69	6.382	6.256	0.126	25	1006	1.00	0.5002	Ma

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
87 1,1,2-Trichloroethane	83	6.324	6.290	0.034	88	1576	1.00	0.8057	
88 Tetrachloroethene	166	6.473	6.461	0.012	81	2181	1.00	0.9406	
89 1,3-Dichloropropane	76	6.553	6.507	0.046	50	3672	1.00	0.8657	
90 2-Hexanone	43	6.678	6.678	0.000	1	677	5.00	1.91	a
91 Chlorodibromomethane	129	6.815	6.793	0.022	95	1985	1.00	0.7957	
93 Ethylene Dibromide	107	6.964	6.918	0.046	95	1809	1.00	0.7981	
92 n-Butyl acetate	43	6.952	6.918	0.034	1	762	1.00	0.2145	Ma
* 94 Chlorobenzene-d5	117	7.615	7.603	0.012	86	394428	50.0	50.0	
95 Chlorobenzene	112	7.649	7.649	0.000	40	6458	1.00	0.8986	
96 1,1,1,2-Tetrachloroethane	131	7.797	7.786	0.011	55	2189	1.00	0.9145	
97 Ethylbenzene	106	7.889	7.854	0.035	97	3815	1.00	1.00	
98 m-Xylene & p-Xylene	106	8.083	8.037	0.046	98	4411	1.00	0.9422	
99 o-Xylene	106	8.653	8.619	0.034	94	4410	1.00	0.9326	
100 Styrene	104	8.722	8.653	0.069	89	6165	1.00	0.8134	
102 Bromoform	173	8.916	8.870	0.046	91	1398	1.00	0.8749	
104 Isopropylbenzene	105	9.247	9.236	0.011	96	10733	1.00	1.04	
$ 105 4-Bromofluorobenzene	174	9.430	9.430	0.000	89	151413	50.0	50.1	
106 Bromobenzene	156	9.658	9.613	0.046	96	2819	1.00	0.9491	
107 1,1,2,2-Tetrachloroethane	83	9.750	9.727	0.023	95	2803	1.00	0.9103	
108 1,2,3-Trichloropropane	75	9.784	9.750	0.034	91	2885	1.00	1.14	
110 N-Propylbenzene	91	9.932	9.898	0.034	97	8873	1.00	0.8469	
111 2-Chlorotoluene	91	9.989	9.966	0.023	95	7375	1.00	0.9419	
112 4-Ethyltoluene	105	10.126	10.092	0.034	99	8153	NC	NC	
113 4-Chlorotoluene	91	10.218	10.161	0.057	76	5385	1.00	0.7093	
114 1,3,5-Trimethylbenzene	105	10.240	10.218	0.022	94	8437	1.00	1.10	
115 Butyl Methacrylate	87	10.560	10.503	0.057	39	895	1.00	0.2351	
116 tert-Butylbenzene	119	10.743	10.720	0.023	93	5469	1.00	0.8986	
117 1,2,4-Trimethylbenzene	105	10.846	10.811	0.035	95	6788	1.00	0.9259	
118 sec-Butylbenzene	105	11.108	11.097	0.011	99	7314	1.00	0.8916	
119 1,3-Dichlorobenzene	146	11.211	11.188	0.023	93	4216	1.00	0.8568	
* 120 1,4-Dichlorobenzene-d4	152	11.291	11.279	0.012	96	217148	50.0	50.0	
121 1,4-Dichlorobenzene	146	11.325	11.314	0.011	90	5950	1.00	1.08	
122 4-Isopropyltoluene	119	11.348	11.336	0.012	94	5983	1.00	0.9073	
123 1,2,3-Trimethylbenzene	105	11.428	11.416	0.012	98	7672	1.00	0.9618	
124 Benzyl chloride	126	11.542	11.508	0.034	69	535	1.00	0.4867	
125 2,3-Dihydroindene	117	11.633	11.622	0.011	93	9513	NC	NC	
126 1,2-Dichlorobenzene	146	11.759	11.736	0.023	96	4587	1.00	0.9073	
127 p-Diethylbenzene	119	11.793	11.782	0.011	91	2910	NC	NC	
128 n-Butylbenzene	92	11.827	11.793	0.034	97	2450	1.00	0.8494	
129 1,2-Dibromo-3-Chloropropane	157	12.467	12.432	0.035	36	549	1.00	0.8796	M
130 1,2,4,5-Tetramethylbenzene	119	12.455	12.444	0.011	97	4950	NC	NC	
131 1,3,5-Trichlorobenzene	180	12.615	12.592	0.023	91	1954	1.00	0.8517	
132 1,2,4-Trichlorobenzene	180	13.026	12.992	0.034	88	2087	1.00	0.9870	
133 Hexachlorobutadiene	225	13.117	13.118	-0.001	90	1291	1.00	1.27	
134 Naphthalene	128	13.175	13.129	0.046	81	3974	1.00	0.7498	M
135 1,2,3-Trichlorobenzene	180	13.300	13.277	0.023	91	1559	1.00	0.8441	
S 137 1,2-Dichloroethene, Total	100				0		2.00	2.08	
S 138 Xylenes, Total	100				0		2.00	1.87	
S 139 Total BTEX	1				0		5.00	4.89	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8260SURR250_00230	Amount Added:	1.00	Units: uL	
8260MIX1COMB_00155	Amount Added:	10.00	Units: uL	
ACROLEIN W_00141	Amount Added:	4.00	Units: uL	
524freon_00054	Amount Added:	10.00	Units: uL	
GASES Li_00482	Amount Added:	10.00	Units: uL	
14DIOXINTER_00143	Amount Added:	30.00	Units: uL	
8260ISNEW_00171	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 29-Jun-2022 19:43:24 Chrom Revision: 2.3 20-Jun-2022 20:10:40

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS12\20220629-147196.b\O78553.d

Injection Date: 29-Jun-2022 03:43:30 Instrument ID: CVOAMS12 Operator ID:

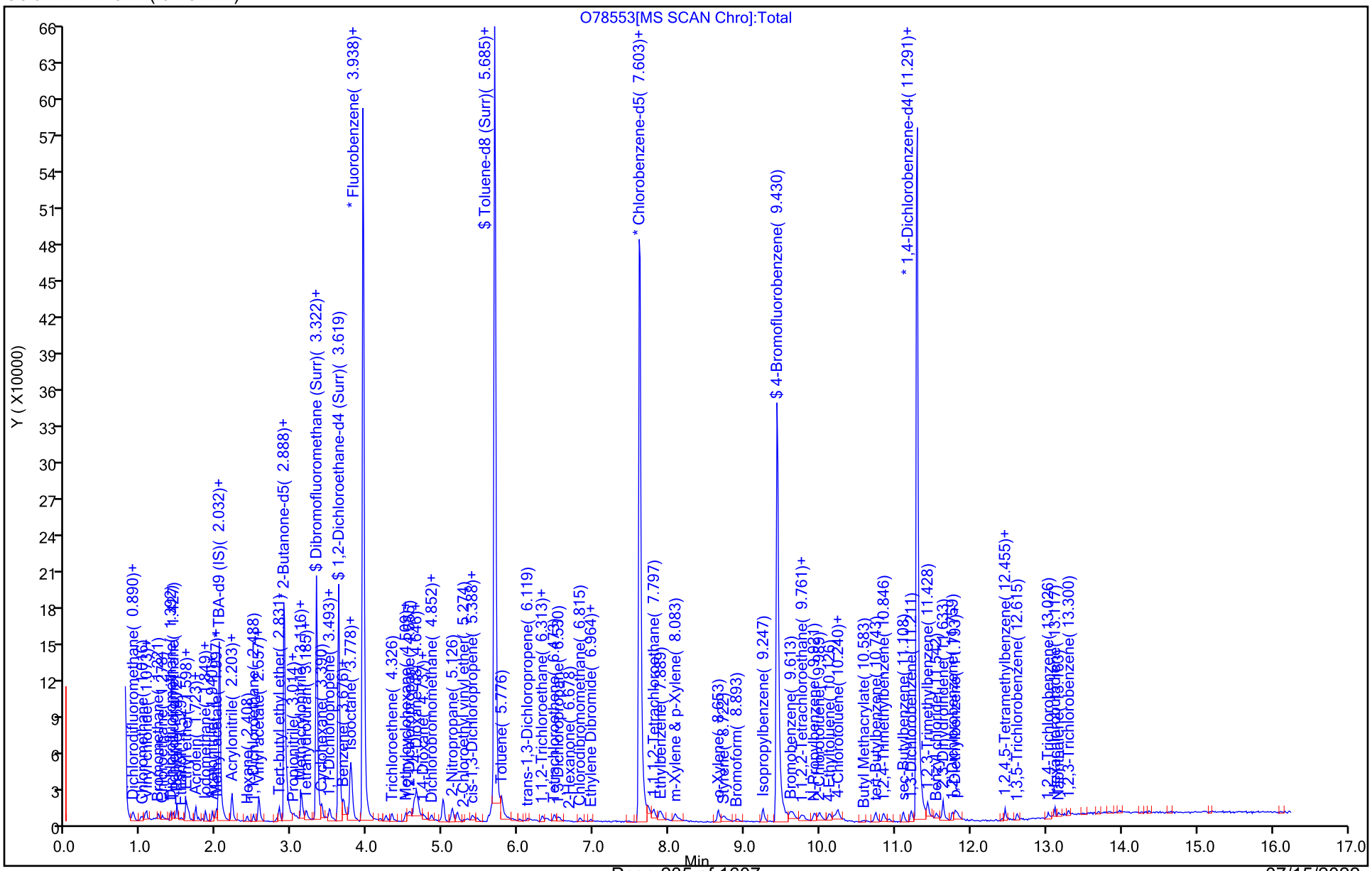
Lims ID: STD1 Worklist Smp#: 4

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 3

Method: 8260W_12 Limit Group: VOA 8260 DEL ICAL

Column: DB-624 (0.18 mm)



07/15/2022

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS12\20220629-147196.b\O78554.d
Lims ID: STD5
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 29-Jun-2022 04:09:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD5
Misc. Info.: 460-0147196-005
Operator ID: Instrument ID: CVOAMS12
Sublist: chrom-8260W_12*sub26

Method: \\chromfs\Edison\ChromData\CVOAMS12\20220629-147196.b\8260W_12.m
Limit Group: VOA 8260 DEL ICAL
Last Update: 29-Jun-2022 19:43:28 Calib Date: 29-Jun-2022 05:49:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Continuing Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS12\20220629-147196.b\O78558.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1670

First Level Reviewer: HVW2 Date: 29-Jun-2022 04:31:28

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Chlorotrifluoroethene	116	0.879	0.879	0.000	88	4141	NC	NC	
3 Dichlorodifluoromethane	85	0.890	0.890	0.000	99	12997	5.00	4.73	
5 Chlorodifluoromethane	67	0.901	0.901	0.000	64	2289	NC	NC	
6 Chloromethane	50	1.004	1.004	0.000	99	16139	5.00	4.60	
7 Vinyl chloride	62	1.050	1.050	0.000	97	15784	5.00	5.04	
8 Butadiene	54	1.073	1.073	0.000	95	13172	NC	NC	
9 Bromomethane	94	1.233	1.221	0.012	99	10272	5.00	5.57	
10 Chloroethane	64	1.278	1.278	0.000	97	10547	5.00	5.28	
11 Dichlorofluoromethane	67	1.392	1.392	0.000	98	20971	NC	NC	
12 Trichlorofluoromethane	101	1.427	1.427	0.000	97	14429	5.00	4.62	
13 Pentane	57	1.472	1.472	0.000	98	5611	10.0	11.1	
14 Ethanol	46	1.529	1.529	0.000	93	2407	200.0	221.6	
15 Ethyl ether	59	1.586	1.586	0.000	98	10933	5.00	5.14	
16 1,2-Dichloro-1,1,2-trifluoroetha	117	1.586	1.586	0.000	88	9949	NC	NC	
17 2-Methyl-1,3-butadiene	53	1.598	1.598	0.000	94	11837	5.00	5.05	
18 1,1,1-Trifluoro-2,2-dichloroetha	83	1.621	1.621	0.000	94	16486	NC	NC	
19 Acrolein	56	1.666	1.655	0.011	93	5553	20.0	22.3	
20 1,1-Dichloroethene	96	1.723	1.712	0.011	97	11863	5.00	5.12	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	1.723	1.723	0.000	92	10580	5.00	5.25	
22 Acetone	58	1.758	1.746	0.012	89	4708	25.0	27.5	
23 Iodomethane	142	1.815	1.803	0.012	96	13724	5.00	4.30	
24 Isopropyl alcohol	45	1.849	1.838	0.011	28	4944	50.0	50.0	
25 Carbon disulfide	76	1.849	1.849	0.000	99	40884	5.00	4.89	
26 Acetonitrile	38	1.940	1.940	0.000	81	3891	50.0	59.1	
27 3-Chloro-1-propene	76	1.940	1.940	0.000	93	8908	NC	NC	
28 Methyl acetate	43	1.963	1.952	0.011	97	9863	10.0	9.37	
29 Cyclopentene	67	1.997	1.986	0.011	96	32261	NC	NC	
30 Methylene Chloride	84	2.020	2.020	0.000	93	14597	5.00	5.12	
* 31 TBA-d9 (IS)	65	2.032	2.043	-0.011	100	152950	1000.0	1000.0	
32 2-Methyl-2-propanol	59	2.100	2.089	0.011	99	9391	50.0	54.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
33 Acrylonitrile	53	2.180	2.169	0.011	93	36652	50.0	51.4	
34 trans-1,2-Dichloroethene	96	2.203	2.192	0.011	65	12539	5.00	4.92	
35 Methyl tert-butyl ether	73	2.203	2.203	0.000	97	41679	5.00	5.36	
36 Hexane	57	2.397	2.397	0.000	91	12023	5.00	5.40	
37 1,1-Dichloroethane	63	2.488	2.488	0.000	100	23583	5.00	4.94	
38 Vinyl acetate	86	2.545	2.534	0.011	99	4689	10.0	10.9	
39 Isopropyl ether	45	2.557	2.557	0.000	86	46955	5.00	5.24	
40 2-Chloro-1,3-butadiene	88	2.557	2.557	0.000	91	12495	NC	NC	
41 Tert-butyl ethyl ether	59	2.831	2.831	0.000	88	44375	5.00	5.10	
* 43 2-Butanone-d5	46	2.888	2.888	0.000	100	208212	250.0	250.0	
44 2,2-Dichloropropane	97	2.922	2.922	0.000	86	4659	5.00	4.81	
45 cis-1,2-Dichloroethene	96	2.922	2.922	0.000	93	14040	5.00	4.94	
46 2-Butanone (MEK)	72	2.945	2.934	0.011	97	7408	25.0	27.4	
42 Propionitrile	54	3.002	2.979	0.023	95	13257	NC	NC	
47 Ethyl acetate	70	3.014	3.002	0.012	100	2824	10.0	10.3	
48 Methyl acrylate	55	3.048	3.025	0.023	99	11488	NC	NC	
50 Methacrylonitrile	67	3.105	3.105	0.000	91	52117	NC	NC	
49 Chlorobromomethane	128	3.116	3.116	0.000	50	6531	5.00	5.27	
51 Tetrahydrofuran	42	3.173	3.162	0.011	29	5255	10.0	9.91	
52 Chloroform	83	3.185	3.185	0.000	99	21162	5.00	5.08	
$ 53 Dibromofluoromethane (Surr)	113	3.322	3.322	0.000	97	116732	50.0	52.2	
54 1,1,1-Trichloroethane	97	3.345	3.345	0.000	98	18626	5.00	5.15	
55 Cyclohexane	84	3.390	3.390	0.000	89	17665	5.00	5.58	
56 Carbon tetrachloride	117	3.493	3.493	0.000	98	15013	5.00	5.05	
57 1,1-Dichloropropene	75	3.493	3.493	0.000	98	18492	5.00	5.25	
$ 58 1,2-Dichloroethane-d4 (Surr)	65	3.619	3.619	0.000	0	131511	50.0	53.5	
61 Isobutyl alcohol	43	3.664	3.630	0.034	93	9467	NC	NC	
59 Benzene	78	3.676	3.676	0.000	96	57729	5.00	5.63	
60 1,2-Dichloroethane	62	3.687	3.687	0.000	95	16260	5.00	5.35	
62 Isooctane	57	3.779	3.778	0.000	96	60324	5.00	4.76	
63 Isopropyl acetate	61	3.790	3.778	0.012	92	4562	5.00	4.74	
64 Tert-amyl methyl ether	73	3.801	3.801	0.000	93	42315	5.00	5.14	
* 65 Fluorobenzene	96	3.938	3.938	0.000	99	544849	50.0	50.0	
66 n-Heptane	43	3.973	3.961	0.012	84	8751	5.00	4.94	
67 Trichloroethene	95	4.315	4.304	0.011	100	14238	5.00	5.13	
68 n-Butanol	56	4.395	4.315	0.080	1	82	125.0	2.23	
69 Ethyl acrylate	55	4.509	4.463	0.046	94	22150	5.00	6.63	
70 Methylcyclohexane	83	4.509	4.509	0.000	87	14110	5.00	5.12	
71 1,2-Dichloropropane	63	4.532	4.532	0.000	94	14591	5.00	4.88	
* 72 1,4-Dioxane-d8	96	4.646	4.646	0.000	0	23309	1000.0	1000.0	
73 Dibromomethane	93	4.658	4.646	0.012	93	6949	5.00	4.97	
74 1,4-Dioxane	88	4.715	4.692	0.023	27	2648	100.0	118.4	M
75 Methyl methacrylate	100	4.726	4.703	0.023	90	6649	10.0	9.93	
76 n-Propyl acetate	43	4.829	4.795	0.034	94	11328	5.00	4.92	
77 Dichlorobromomethane	83	4.840	4.840	0.000	99	16049	5.00	4.69	
78 2-Nitropropane	41	5.114	5.103	0.011	89	6271	NC	NC	
79 2-Chloroethyl vinyl ether	63	5.251	5.228	0.023	92	6963	5.01	4.23	
80 Epichlorohydrin	57	5.286	5.263	0.023	98	18148	100.0	72.2	
81 cis-1,3-Dichloropropene	75	5.377	5.365	0.012	89	21564	5.00	5.22	
82 4-Methyl-2-pentanone (MIBK)	43	5.594	5.582	0.012	95	45913	25.0	23.0	
$ 83 Toluene-d8 (Surr)	98	5.685	5.685	0.000	99	533696	50.0	56.7	
84 Toluene	91	5.776	5.765	0.011	93	56229	5.00	5.40	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
85 trans-1,3-Dichloropropene	75	6.096	6.073	0.023	96	17390	5.00	4.85	
86 Ethyl methacrylate	69	6.279	6.256	0.023	58	13282	5.00	4.38	M
87 1,1,2-Trichloroethane	83	6.302	6.290	0.012	95	9585	5.00	5.46	
88 Tetrachloroethene	166	6.473	6.461	0.012	95	10722	5.00	5.15	
89 1,3-Dichloropropane	76	6.519	6.507	0.012	92	21072	5.00	5.53	
90 2-Hexanone	43	6.724	6.678	0.046	94	23080	25.0	17.4	a
91 Chlorodibromomethane	129	6.804	6.793	0.011	97	10976	5.00	4.90	
93 Ethylene Dibromide	107	6.941	6.918	0.023	97	10471	5.00	5.15	
92 n-Butyl acetate	43	6.987	6.918	0.069	85	5325	5.00	1.67	
* 94 Chlorobenzene-d5	117	7.603	7.603	0.000	88	354089	50.0	50.0	
95 Chlorobenzene	112	7.649	7.649	0.000	95	33857	5.00	5.25	
96 1,1,1,2-Tetrachloroethane	131	7.786	7.786	0.000	92	11255	5.00	5.24	
97 Ethylbenzene	106	7.866	7.854	0.012	98	17464	5.00	5.12	
98 m-Xylene & p-Xylene	106	8.060	8.037	0.023	99	21042	5.00	5.01	
99 o-Xylene	106	8.631	8.619	0.012	94	21509	5.00	5.07	
100 Styrene	104	8.676	8.653	0.023	95	33417	5.00	4.91	
101 n-Butyl acrylate	73	8.779	8.722	0.057	97	5466	5.00	3.48	
102 Bromoform	173	8.893	8.870	0.023	97	6390	5.00	4.45	
103 Amyl acetate (mixed isomers)	43	9.190	9.110	0.080	35	12370	5.00	3.54	M
104 Isopropylbenzene	105	9.236	9.236	0.000	95	46919	5.00	5.08	
$ 105 4-Bromofluorobenzene	174	9.430	9.430	0.000	87	149434	50.0	55.1	
106 Bromobenzene	156	9.624	9.613	0.012	99	13993	5.00	5.18	
107 1,1,2,2-Tetrachloroethane	83	9.738	9.727	0.011	96	14485	5.00	5.17	
108 1,2,3-Trichloropropane	75	9.761	9.750	0.011	96	11845	5.00	5.12	
109 trans-1,4-Dichloro-2-butene	75	9.864	9.829	0.035	60	4392	5.00	3.70	
110 N-Propylbenzene	91	9.909	9.898	0.011	99	47213	5.00	4.95	
111 2-Chlorotoluene	91	9.978	9.966	0.012	96	37735	5.00	5.29	
112 4-Ethyltoluene	105	10.115	10.092	0.023	99	41703	NC	NC	
113 4-Chlorotoluene	91	10.172	10.161	0.011	98	36322	5.00	5.26	
114 1,3,5-Trimethylbenzene	105	10.229	10.218	0.011	93	35315	5.00	5.05	
115 Butyl Methacrylate	87	10.526	10.503	0.023	89	8821	5.00	2.55	
116 tert-Butylbenzene	119	10.731	10.720	0.011	93	27679	5.00	5.00	
117 1,2,4-Trimethylbenzene	105	10.823	10.811	0.012	97	32268	5.00	4.83	
118 sec-Butylbenzene	105	11.097	11.097	0.000	99	36277	5.00	4.86	
119 1,3-Dichlorobenzene	146	11.199	11.188	0.011	95	22218	5.00	4.96	
* 120 1,4-Dichlorobenzene-d4	152	11.291	11.279	0.012	95	197676	50.0	50.0	
121 1,4-Dichlorobenzene	146	11.314	11.314	0.000	95	27261	5.00	5.43	
122 4-Isopropyltoluene	119	11.336	11.336	0.000	98	30259	5.00	5.04	
123 1,2,3-Trimethylbenzene	105	11.428	11.416	0.012	97	35927	5.00	4.95	
124 Benzyl chloride	126	11.519	11.508	0.011	98	4705	5.00	4.70	
125 2,3-Dihydroindene	117	11.622	11.622	0.000	94	47464	NC	NC	
126 1,2-Dichlorobenzene	146	11.748	11.736	0.012	96	23966	5.00	5.21	
127 p-Diethylbenzene	119	11.782	11.782	0.000	92	14760	NC	NC	
128 n-Butylbenzene	92	11.805	11.793	0.012	96	12520	5.00	4.77	
129 1,2-Dibromo-3-Chloropropane	157	12.444	12.432	0.012	86	2684	5.00	4.72	
130 1,2,4,5-Tetramethylbenzene	119	12.444	12.444	0.000	98	24347	NC	NC	
131 1,3,5-Trichlorobenzene	180	12.604	12.592	0.012	96	10402	5.00	4.98	
132 1,2,4-Trichlorobenzene	180	13.003	12.992	0.011	95	8961	5.00	4.66	
133 Hexachlorobutadiene	225	13.118	13.118	0.000	96	4541	5.00	4.92	
134 Naphthalene	128	13.140	13.129	0.011	100	22786	5.00	4.72	
135 1,2,3-Trichlorobenzene	180	13.289	13.277	0.012	94	8735	5.00	5.20	
S 137 1,2-Dichloroethene, Total	100				0		10.0	9.86	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 138 Xylenes, Total	100				0		10.0	10.1	
S 139 Total BTEX	1				0		25.0	26.2	

QC Flag Legend

Processing Flags
NC - Not Calibrated
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

8260SURR250_00230	Amount Added:	1.00	Units: uL	
8260MIX1COMB_00155	Amount Added:	10.00	Units: uL	
ACROLEIN W_00141	Amount Added:	4.00	Units: uL	
524freon_00054	Amount Added:	10.00	Units: uL	
GASES Li_00482	Amount Added:	10.00	Units: uL	
8260ISNEW_00171	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 29-Jun-2022 19:43:29 Chrom Revision: 2.3 20-Jun-2022 20:10:40

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS12\20220629-147196.b\O78554.d

Injection Date: 29-Jun-2022 04:09:30 Instrument ID: CVOAMS12 Operator ID:

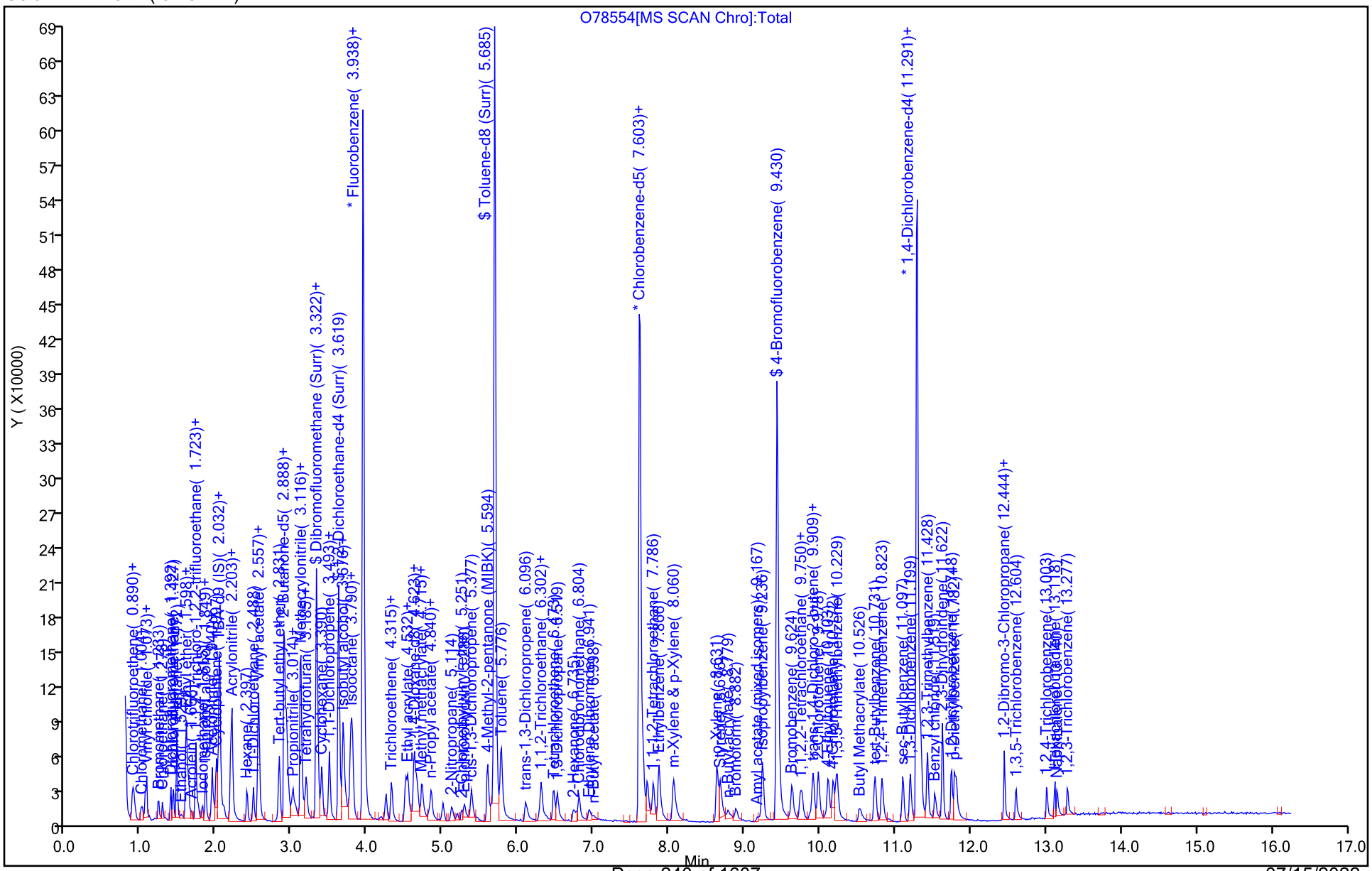
Lims ID: STD5 Worklist Smp#: 5

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 4

Method: 8260W_12 Limit Group: VOA 8260 DEL ICAL

Column: DB-624 (0.18 mm)



Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS12\20220629-147196.b\O78555.d
Lims ID: STD20
Client ID:
Sample Type: ICIS Calib Level: 3
Inject. Date: 29-Jun-2022 04:34:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD20
Misc. Info.: 460-0147196-006
Operator ID: Instrument ID: CVOAMS12
Sublist: chrom-8260W_12*sub26

Method: \\chromfs\Edison\ChromData\CVOAMS12\20220629-147196.b\8260W_12.m
Limit Group: VOA 8260 DEL ICAL
Last Update: 29-Jun-2022 19:43:37 Calib Date: 29-Jun-2022 05:49:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Continuing Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS12\20220629-147196.b\O78558.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1670

First Level Reviewer: HVW2 Date: 29-Jun-2022 04:55:27

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Chlorotrifluoroethene	116	0.879	0.879	0.000	87	18716	NC	NC	
3 Dichlorodifluoromethane	85	0.890	0.890	0.000	99	56130	20.0	18.8	
5 Chlorodifluoromethane	67	0.901	0.901	0.000	97	9518	NC	NC	
6 Chloromethane	50	0.993	0.993	0.000	98	67942	20.0	17.9	
7 Vinyl chloride	62	1.050	1.050	0.000	97	63088	20.0	18.6	
8 Butadiene	54	1.073	1.073	0.000	97	55653	NC	NC	
9 Bromomethane	94	1.221	1.221	0.000	100	36796	20.0	18.4	
10 Chloroethane	64	1.278	1.278	0.000	99	41890	20.0	19.4	
11 Dichlorofluoromethane	67	1.392	1.392	0.000	98	88942	NC	NC	
12 Trichlorofluoromethane	101	1.427	1.427	0.000	98	67570	20.0	19.9	
13 Pentane	57	1.472	1.472	0.000	96	22782	40.0	41.7	
14 Ethanol	46	1.529	1.529	0.000	91	9002	800.0	789.1	
15 Ethyl ether	59	1.587	1.587	0.000	95	42064	20.0	18.2	
16 1,2-Dichloro-1,1,2-trifluoroetha	117	1.587	1.587	0.000	87	43606	NC	NC	
17 2-Methyl-1,3-butadiene	53	1.598	1.598	0.000	91	53407	20.0	21.0	
18 1,1,1-Trifluoro-2,2-dichloroetha	83	1.621	1.621	0.000	96	67987	NC	NC	
19 Acrolein	56	1.655	1.655	0.000	92	10676	40.0	40.8	
20 1,1-Dichloroethene	96	1.724	1.724	0.000	98	49685	20.0	19.8	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	1.724	1.724	0.000	97	43774	20.0	20.0	
22 Acetone	58	1.746	1.746	0.000	88	18055	100.0	94.1	
23 Iodomethane	142	1.803	1.803	0.000	97	70815	20.0	20.5	
24 Isopropyl alcohol	45	1.849	1.849	0.000	28	21654	200.0	208.6	
25 Carbon disulfide	76	1.849	1.849	0.000	99	174422	20.0	19.2	
26 Acetonitrile	38	1.940	1.940	0.000	79	15298	200.0	221.2	
27 3-Chloro-1-propene	76	1.940	1.940	0.000	94	37092	NC	NC	
28 Methyl acetate	43	1.952	1.952	0.000	99	44720	40.0	40.5	
29 Cyclopentene	67	1.998	1.998	0.000	97	131228	NC	NC	
30 Methylene Chloride	84	2.020	2.020	0.000	91	62178	20.0	20.1	
* 31 TBA-d9 (IS)	65	2.032	2.032	0.000	100	160599	1000.0	1000.0	
32 2-Methyl-2-propanol	59	2.089	2.089	0.000	99	33414	200.0	184.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
33 Acrylonitrile	53	2.169	2.169	0.000	95	162390	200.0	209.8	
34 trans-1,2-Dichloroethene	96	2.203	2.203	0.000	94	51785	20.0	18.8	
35 Methyl tert-butyl ether	73	2.203	2.203	0.000	97	168199	20.0	20.0	
36 Hexane	57	2.397	2.397	0.000	93	48949	20.0	20.3	
37 1,1-Dichloroethane	63	2.488	2.488	0.000	99	93094	20.0	18.0	
38 Vinyl acetate	86	2.534	2.534	0.000	100	20666	40.0	42.9	
39 Isopropyl ether	45	2.557	2.557	0.000	89	195645	20.0	20.2	
40 2-Chloro-1,3-butadiene	88	2.557	2.557	0.000	89	55503	NC	NC	
41 Tert-butyl ethyl ether	59	2.831	2.831	0.000	89	188497	20.0	20.0	
* 43 2-Butanone-d5	46	2.888	2.888	0.000	99	233267	250.0	250.0	
44 2,2-Dichloropropane	97	2.922	2.922	0.000	81	19375	20.0	18.5	
45 cis-1,2-Dichloroethene	96	2.922	2.922	0.000	94	56405	20.0	18.3	
46 2-Butanone (MEK)	72	2.945	2.945	0.000	99	29238	100.0	96.6	
42 Propionitrile	54	2.979	2.979	0.000	97	54587	NC	NC	
47 Ethyl acetate	70	3.002	3.002	0.000	100	13180	40.0	43.1	
48 Methyl acrylate	55	3.036	3.036	0.000	99	51365	NC	NC	M
50 Methacrylonitrile	67	3.105	3.105	0.000	89	212657	NC	NC	
49 Chlorobromomethane	128	3.116	3.116	0.000	92	27238	20.0	20.3	
51 Tetrahydrofuran	42	3.162	3.162	0.000	92	21481	40.0	36.2	
52 Chloroform	83	3.185	3.185	0.000	99	86730	20.0	19.2	
$ 53 Dibromofluoromethane (Surr)	113	3.322	3.322	0.000	97	112040	50.0	46.2	
54 1,1,1-Trichloroethane	97	3.345	3.345	0.000	98	77254	20.0	19.7	
55 Cyclohexane	84	3.390	3.390	0.000	91	66187	20.0	19.3	
56 Carbon tetrachloride	117	3.493	3.493	0.000	97	62134	20.0	19.3	
57 1,1-Dichloropropene	75	3.493	3.493	0.000	98	74484	20.0	19.5	
$ 58 1,2-Dichloroethane-d4 (Surr)	65	3.619	3.619	0.000	0	124802	50.0	46.9	
61 Isobutyl alcohol	43	3.642	3.642	0.000	93	39258	NC	NC	a
59 Benzene	78	3.676	3.676	0.000	95	240239	20.0	20.2	
60 1,2-Dichloroethane	62	3.687	3.687	0.000	96	61949	20.0	18.8	
62 Isooctane	57	3.779	3.779	0.000	97	144662	20.0	18.6	
63 Isopropyl acetate	61	3.779	3.779	0.000	96	21876	20.0	21.0	
64 Tert-amyl methyl ether	73	3.801	3.801	0.000	98	175359	20.0	19.6	
* 65 Fluorobenzene	96	3.938	3.938	0.000	99	590860	50.0	50.0	
66 n-Heptane	43	3.973	3.973	0.000	91	38348	20.0	19.9	
67 Trichloroethene	95	4.315	4.315	0.000	99	57825	20.0	19.2	
68 n-Butanol	56	4.372	4.372	0.000	81	12842	500.0	331.9	a
69 Ethyl acrylate	55	4.464	4.464	0.000	94	52515	20.0	14.5	a
70 Methylcyclohexane	83	4.509	4.509	0.000	95	59919	20.0	20.0	
71 1,2-Dichloropropane	63	4.532	4.532	0.000	94	62833	20.0	19.4	
* 72 1,4-Dioxane-d8	96	4.646	4.646	0.000	0	30316	1000.0	1000.0	
73 Dibromomethane	93	4.646	4.646	0.000	98	29033	20.0	19.2	
74 1,4-Dioxane	88	4.703	4.703	0.000	28	11627	400.0	399.8	
75 Methyl methacrylate	100	4.715	4.715	0.000	89	31269	40.0	43.1	
76 n-Propyl acetate	43	4.795	4.795	0.000	98	65391	20.0	18.7	
77 Dichlorobromomethane	83	4.840	4.840	0.000	99	69656	20.0	18.8	
78 2-Nitropropane	41	5.103	5.103	0.000	98	22593	NC	NC	
79 2-Chloroethyl vinyl ether	63	5.229	5.229	0.000	94	35768	20.0	20.1	
80 Epichlorohydrin	57	5.274	5.274	0.000	99	94165	400.0	334.9	
81 cis-1,3-Dichloropropene	75	5.366	5.366	0.000	90	96619	20.0	20.2	
82 4-Methyl-2-pentanone (MIBK)	43	5.582	5.582	0.000	95	229363	100.0	102.6	
$ 83 Toluene-d8 (Surr)	98	5.685	5.685	0.000	99	536909	50.0	49.1	
84 Toluene	91	5.765	5.765	0.000	93	239021	20.0	19.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
85 trans-1,3-Dichloropropene	75	6.085	6.085	0.000	95	82003	20.0	19.7	
86 Ethyl methacrylate	69	6.267	6.267	0.000	89	62199	20.0	17.0	
87 1,1,2-Trichloroethane	83	6.290	6.290	0.000	95	41079	20.0	20.2	
88 Tetrachloroethene	166	6.462	6.462	0.000	96	47749	20.0	19.8	
89 1,3-Dichloropropane	76	6.507	6.507	0.000	93	88018	20.0	19.9	
90 2-Hexanone	43	6.690	6.690	0.000	95	139064	100.0	87.3	
91 Chlorodibromomethane	129	6.804	6.804	0.000	97	51681	20.0	19.9	
93 Ethylene Dibromide	107	6.930	6.930	0.000	100	46791	20.0	19.8	
92 n-Butyl acetate	43	6.941	6.941	0.000	98	55551	20.0	15.0	
* 94 Chlorobenzene-d5	117	7.603	7.603	0.000	85	410771	50.0	50.0	
95 Chlorobenzene	112	7.649	7.649	0.000	95	150050	20.0	20.0	
96 1,1,1,2-Tetrachloroethane	131	7.786	7.786	0.000	95	47211	20.0	18.9	
97 Ethylbenzene	106	7.854	7.854	0.000	98	76060	20.0	19.2	
98 m-Xylene & p-Xylene	106	8.048	8.048	0.000	100	93639	20.0	19.2	
99 o-Xylene	106	8.631	8.631	0.000	95	96533	20.0	19.6	
100 Styrene	104	8.665	8.665	0.000	96	155411	20.0	19.7	
101 n-Butyl acrylate	73	8.733	8.733	0.000	98	32991	20.0	18.1	
102 Bromoform	173	8.882	8.882	0.000	97	29651	20.0	17.8	
103 Amyl acetate (mixed isomers)	43	9.122	9.122	0.000	92	70084	20.0	17.7	
104 Isopropylbenzene	105	9.236	9.236	0.000	95	205079	20.0	19.1	
$ 105 4-Bromofluorobenzene	174	9.430	9.430	0.000	88	150427	50.0	47.8	
106 Bromobenzene	156	9.624	9.624	0.000	99	59702	20.0	19.4	
107 1,1,2,2-Tetrachloroethane	83	9.727	9.727	0.000	98	62310	20.0	19.6	
108 1,2,3-Trichloropropane	75	9.750	9.761	-0.011	97	49906	20.0	19.0	
109 trans-1,4-Dichloro-2-butene	75	9.841	9.841	0.000	92	25155	20.0	18.7	
110 N-Propylbenzene	91	9.898	9.898	0.000	99	219783	20.0	20.3	
111 2-Chlorotoluene	91	9.967	9.967	0.000	97	160705	20.0	19.9	
112 4-Ethyltoluene	105	10.104	10.104	0.000	99	194502	NC	NC	
113 4-Chlorotoluene	91	10.161	10.161	0.000	97	179695	20.0	22.9	
114 1,3,5-Trimethylbenzene	105	10.218	10.218	0.000	93	152728	20.0	19.2	
115 Butyl Methacrylate	87	10.503	10.503	0.000	88	55079	20.0	14.0	
116 tert-Butylbenzene	119	10.731	10.731	0.000	95	122029	20.0	19.4	
117 1,2,4-Trimethylbenzene	105	10.811	10.811	0.000	96	148639	20.0	19.6	
118 sec-Butylbenzene	105	11.097	11.097	0.000	99	165861	20.0	19.6	
119 1,3-Dichlorobenzene	146	11.188	11.188	0.000	96	103123	20.0	20.3	
* 120 1,4-Dichlorobenzene-d4	152	11.279	11.279	0.000	96	224438	50.0	50.0	
121 1,4-Dichlorobenzene	146	11.314	11.314	0.000	96	111207	20.0	19.5	
122 4-Isopropyltoluene	119	11.337	11.337	0.000	98	134085	20.0	19.7	
123 1,2,3-Trimethylbenzene	105	11.416	11.416	0.000	98	164785	20.0	20.0	
124 Benzyl chloride	126	11.508	11.508	0.000	99	23605	20.0	20.8	
125 2,3-Dihydroindene	117	11.622	11.622	0.000	94	199897	NC	NC	
126 1,2-Dichlorobenzene	146	11.736	11.736	0.000	96	105891	20.0	20.3	
127 p-Diethylbenzene	119	11.782	11.782	0.000	93	67806	NC	NC	
128 n-Butylbenzene	92	11.805	11.805	0.000	98	60249	20.0	20.2	
129 1,2-Dibromo-3-Chloropropane	157	12.433	12.433	0.000	95	12475	20.0	19.3	
130 1,2,4,5-Tetramethylbenzene	119	12.444	12.444	0.000	98	107244	NC	NC	
131 1,3,5-Trichlorobenzene	180	12.592	12.592	0.000	97	48244	20.0	20.3	
132 1,2,4-Trichlorobenzene	180	13.003	13.003	0.000	93	40666	20.0	18.6	
133 Hexachlorobutadiene	225	13.118	13.118	0.000	98	18612	20.0	17.7	
134 Naphthalene	128	13.140	13.140	0.000	99	106335	20.0	19.4	
135 1,2,3-Trichlorobenzene	180	13.277	13.277	0.000	95	37365	20.0	19.6	
S 137 1,2-Dichloroethene, Total	100				0		40.0	37.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 138 Xylenes, Total	100				0		40.0	38.8	
S 139 Total BTEX	1				0		100.0	98.0	

QC Flag Legend

Processing Flags
NC - Not Calibrated
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

8260SURR250_00230	Amount Added:	1.00	Units: uL	
8260MIX1COMB_00155	Amount Added:	20.00	Units: uL	
ACROLEIN W_00141	Amount Added:	4.00	Units: uL	
524freon_00054	Amount Added:	20.00	Units: uL	
GASES Li_00482	Amount Added:	20.00	Units: uL	
8260ISNEW_00171	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 29-Jun-2022 19:43:39 Chrom Revision: 2.3 20-Jun-2022 20:10:40

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS12\20220629-147196.b\O78555.d

Injection Date: 29-Jun-2022 04:34:30 Instrument ID: CVOAMS12 Operator ID:

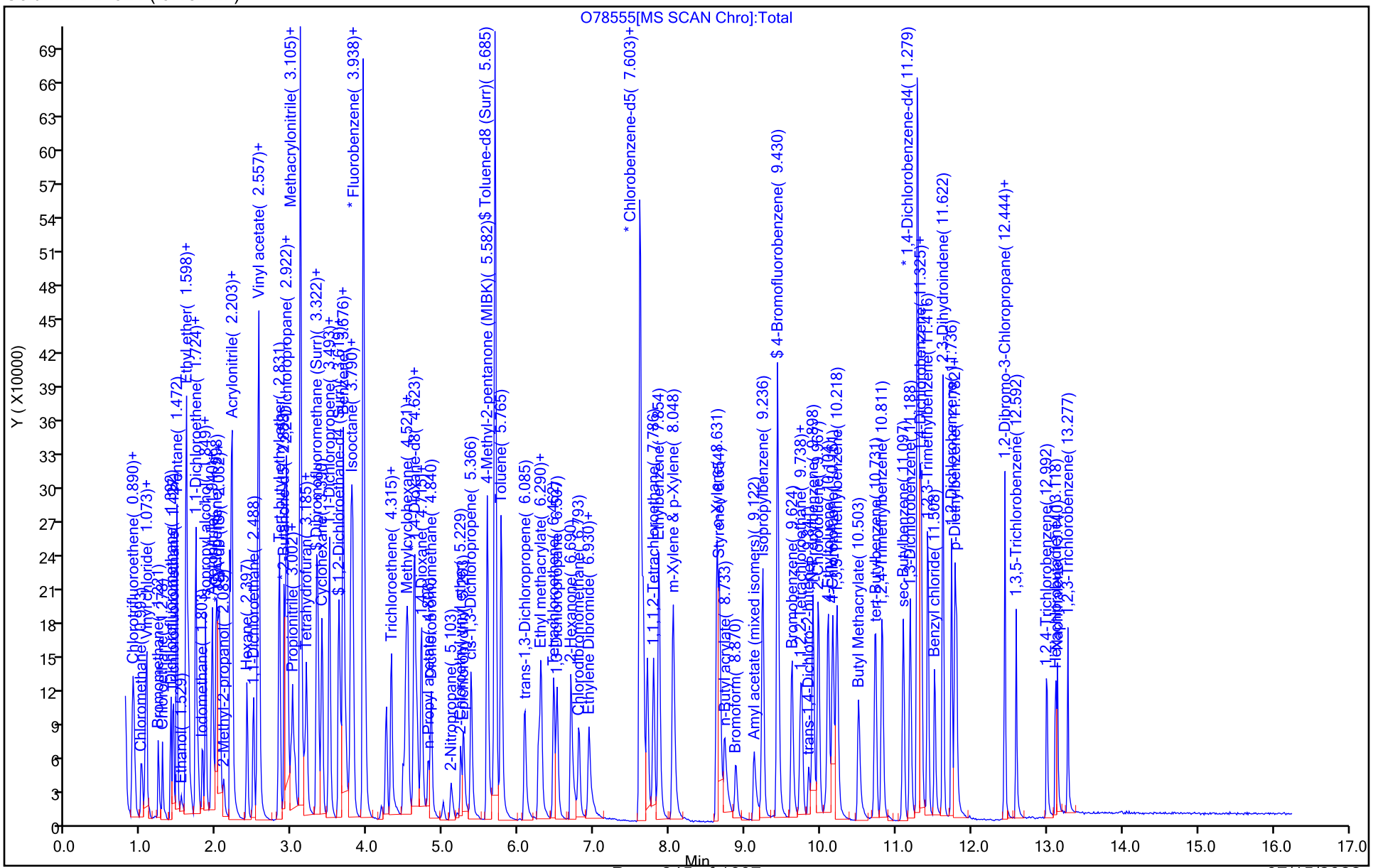
Lims ID: STD20 Worklist Smp#: 6

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 5

Method: 8260W_12 Limit Group: VOA 8260 DEL ICAL

Column: DB-624 (0.18 mm)



Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS12\20220629-147196.b\O78556.d
Lims ID: STD50
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 29-Jun-2022 04:59:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD50
Misc. Info.: 460-0147196-007
Operator ID: Instrument ID: CVOAMS12
Sublist: chrom-8260W_12*sub26

Method: \\chromfs\Edison\ChromData\CVOAMS12\20220629-147196.b\8260W_12.m
Limit Group: VOA 8260 DEL ICAL
Last Update: 29-Jun-2022 19:49:23 Calib Date: 29-Jun-2022 05:49:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Continuing Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS12\20220629-147196.b\O78558.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1670

First Level Reviewer: NN6A Date: 29-Jun-2022 19:49:22

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Chlorotrifluoroethene	116	0.879	0.879	0.000	86	47453	NC	NC	
3 Dichlorodifluoromethane	85	0.890	0.890	0.000	98	146230	50.0	49.4	
5 Chlorodifluoromethane	67	0.901	0.901	0.000	97	25570	NC	NC	
6 Chloromethane	50	1.004	1.004	0.000	99	179749	50.0	47.5	
7 Vinyl chloride	62	1.050	1.050	0.000	98	164932	50.0	48.8	
8 Butadiene	54	1.073	1.073	0.000	94	148855	NC	NC	
9 Bromomethane	94	1.221	1.221	0.000	97	78193	50.0	39.3	
10 Chloroethane	64	1.278	1.278	0.000	99	104160	50.0	48.4	
11 Dichlorofluoromethane	67	1.392	1.392	0.000	99	230311	NC	NC	
12 Trichlorofluoromethane	101	1.427	1.427	0.000	97	171483	50.0	50.9	
13 Pentane	57	1.472	1.472	0.000	96	58378	100.0	107.6	
14 Ethanol	46	1.529	1.529	0.000	98	24292	2000.0	2061.6	
15 Ethyl ether	59	1.586	1.586	0.000	95	111885	50.0	48.8	
16 1,2-Dichloro-1,1,2-trifluoroetha	117	1.586	1.586	0.000	87	117797	NC	NC	
17 2-Methyl-1,3-butadiene	53	1.598	1.598	0.000	91	133853	50.0	53.0	
18 1,1,1-Trifluoro-2,2-dichloroetha	83	1.621	1.621	0.000	96	181578	NC	NC	
19 Acrolein	56	1.655	1.655	0.000	92	28718	100.0	106.3	
20 1,1-Dichloroethene	96	1.712	1.712	0.000	98	129875	50.0	52.0	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	1.723	1.723	0.000	98	111874	50.0	51.5	
22 Acetone	58	1.746	1.746	0.000	87	45200	250.0	237.3	
23 Iodomethane	142	1.803	1.803	0.000	97	197937	50.0	57.6	
24 Isopropyl alcohol	45	1.838	1.838	0.000	43	57353	500.0	534.9	
25 Carbon disulfide	76	1.849	1.849	0.000	98	463159	50.0	51.3	
26 Acetonitrile	38	1.940	1.940	0.000	86	40701	500.0	569.8	
27 3-Chloro-1-propene	76	1.940	1.940	0.000	96	98535	NC	NC	
28 Methyl acetate	43	1.952	1.952	0.000	100	128002	100.0	112.2	
29 Cyclopentene	67	1.986	1.986	0.000	95	333690	NC	NC	
30 Methylene Chloride	84	2.020	2.020	0.000	90	155050	50.0	50.5	
* 31 TBA-d9 (IS)	65	2.043	2.043	0.000	99	165887	1000.0	1000.0	
32 2-Methyl-2-propanol	59	2.089	2.089	0.000	99	89140	500.0	475.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
33 Acrylonitrile	53	2.169	2.169	0.000	96	430479	500.0	559.6	
34 trans-1,2-Dichloroethene	96	2.192	2.192	0.000	94	138758	50.0	50.6	
35 Methyl tert-butyl ether	73	2.203	2.203	0.000	97	415035	50.0	49.6	
36 Hexane	57	2.397	2.397	0.000	90	124695	50.0	52.0	
37 1,1-Dichloroethane	63	2.488	2.488	0.000	99	250477	50.0	48.6	
38 Vinyl acetate	86	2.534	2.534	0.000	100	52647	100.0	110.1	
39 Isopropyl ether	45	2.557	2.557	0.000	91	497339	50.0	51.5	
40 2-Chloro-1,3-butadiene	88	2.557	2.557	0.000	67	147472	NC	NC	
41 Tert-butyl ethyl ether	59	2.831	2.831	0.000	91	480286	50.0	51.2	
* 43 2-Butanone-d5	46	2.888	2.888	0.000	99	231503	250.0	250.0	
44 2,2-Dichloropropane	97	2.922	2.922	0.000	77	50798	50.0	48.7	
45 cis-1,2-Dichloroethene	96	2.922	2.922	0.000	94	151761	50.0	49.5	
46 2-Butanone (MEK)	72	2.934	2.934	0.000	99	73922	250.0	246.2	
42 Propionitrile	54	2.979	2.979	0.000	98	153678	NC	NC	
47 Ethyl acetate	70	3.002	3.002	0.000	100	31468	100.0	103.6	
48 Methyl acrylate	55	3.025	3.025	0.000	100	133001	NC	NC	M
50 Methacrylonitrile	67	3.105	3.105	0.000	89	529409	NC	NC	
49 Chlorobromomethane	128	3.116	3.116	0.000	91	70305	50.0	52.6	
51 Tetrahydrofuran	42	3.162	3.162	0.000	82	54838	100.0	93.0	
52 Chloroform	83	3.185	3.185	0.000	99	222106	50.0	49.5	
$ 53 Dibromofluoromethane (Surr)	113	3.322	3.322	0.000	97	120508	50.0	50.0	
54 1,1,1-Trichloroethane	97	3.345	3.345	0.000	98	200808	50.0	51.5	
55 Cyclohexane	84	3.390	3.390	0.000	89	175721	50.0	51.5	
56 Carbon tetrachloride	117	3.493	3.493	0.000	98	165185	50.0	51.6	
57 1,1-Dichloropropene	75	3.493	3.493	0.000	99	200754	50.0	52.8	
$ 58 1,2-Dichloroethane-d4 (Surr)	65	3.619	3.619	0.000	0	130651	50.0	49.4	
61 Isobutyl alcohol	43	3.630	3.630	0.000	91	119193	NC	NC	a
59 Benzene	78	3.676	3.676	0.000	95	620895	50.0	51.9	
60 1,2-Dichloroethane	62	3.687	3.687	0.000	97	163033	50.0	49.7	
62 Isooctane	57	3.778	3.778	0.000	95	318237	50.0	49.7	
63 Isopropyl acetate	61	3.778	3.778	0.000	98	59047	50.0	57.0	
64 Tert-amyl methyl ether	73	3.801	3.801	0.000	99	446698	50.0	50.3	
* 65 Fluorobenzene	96	3.938	3.938	0.000	99	587243	50.0	50.0	
66 n-Heptane	43	3.961	3.961	0.000	91	95000	50.0	49.7	
67 Trichloroethene	95	4.304	4.304	0.000	99	148749	50.0	49.8	
68 n-Butanol	56	4.315	4.315	0.000	88	63588	1250.0	1591.1	
69 Ethyl acrylate	55	4.463	4.463	0.000	98	170644	50.0	47.4	
70 Methylcyclohexane	83	4.509	4.509	0.000	93	152713	50.0	51.4	
71 1,2-Dichloropropane	63	4.532	4.532	0.000	94	163956	50.0	50.9	
* 72 1,4-Dioxane-d8	96	4.646	4.646	0.000	0	30082	1000.0	1000.0	
73 Dibromomethane	93	4.646	4.646	0.000	96	74855	50.0	49.7	
74 1,4-Dioxane	88	4.692	4.692	0.000	90	30371	1000.0	1052.5	
75 Methyl methacrylate	100	4.703	4.703	0.000	88	81597	100.0	113.0	
76 n-Propyl acetate	43	4.795	4.795	0.000	97	178116	50.0	48.2	
77 Dichlorobromomethane	83	4.840	4.840	0.000	99	186023	50.0	50.4	
78 2-Nitropropane	41	5.103	5.103	0.000	98	59036	NC	NC	
79 2-Chloroethyl vinyl ether	63	5.228	5.228	0.000	95	105412	50.1	59.5	
80 Epichlorohydrin	57	5.263	5.263	0.000	98	263000	1000.0	945.0	
81 cis-1,3-Dichloropropene	75	5.365	5.365	0.000	90	262727	50.0	54.5	
82 4-Methyl-2-pentanone (MIBK)	43	5.582	5.582	0.000	95	624611	250.0	281.5	
$ 83 Toluene-d8 (Surr)	98	5.685	5.685	0.000	100	571599	50.0	52.0	
84 Toluene	91	5.765	5.765	0.000	94	635360	50.0	52.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
85 trans-1,3-Dichloropropene	75	6.073	6.073	0.000	96	225945	50.0	54.0	
86 Ethyl methacrylate	69	6.256	6.256	0.000	88	185405	50.0	50.0	a
87 1,1,2-Trichloroethane	83	6.290	6.290	0.000	95	109995	50.0	53.7	
88 Tetrachloroethene	166	6.461	6.461	0.000	96	131057	50.0	54.0	
89 1,3-Dichloropropane	76	6.507	6.507	0.000	92	233904	50.0	52.7	
90 2-Hexanone	43	6.678	6.678	0.000	95	408049	250.0	255.3	
91 Chlorodibromomethane	129	6.793	6.793	0.000	98	141742	50.0	54.3	
93 Ethylene Dibromide	107	6.918	6.918	0.000	99	130007	50.0	54.8	
92 n-Butyl acetate	43	6.918	6.918	0.000	98	168461	50.0	45.2	
* 94 Chlorobenzene-d5	117	7.603	7.603	0.000	85	413068	50.0	50.0	
95 Chlorobenzene	112	7.649	7.649	0.000	95	396156	50.0	52.6	
96 1,1,1,2-Tetrachloroethane	131	7.786	7.786	0.000	96	130683	50.0	52.1	
97 Ethylbenzene	106	7.854	7.854	0.000	98	208587	50.0	52.4	
98 m-Xylene & p-Xylene	106	8.037	8.037	0.000	100	264433	50.0	53.9	
99 o-Xylene	106	8.619	8.619	0.000	94	262984	50.0	53.1	
100 Styrene	104	8.653	8.653	0.000	96	447462	50.0	56.4	
101 n-Butyl acrylate	73	8.722	8.722	0.000	99	103249	50.0	56.3	
102 Bromoform	173	8.870	8.870	0.000	97	89214	50.0	53.3	
103 Amyl acetate (mixed isomers)	43	9.110	9.110	0.000	92	216604	50.0	52.9	
104 Isopropylbenzene	105	9.236	9.236	0.000	95	568114	50.0	52.7	
$ 105 4-Bromofluorobenzene	174	9.430	9.430	0.000	89	165601	50.0	52.3	
106 Bromobenzene	156	9.613	9.613	0.000	99	164208	50.0	51.9	
107 1,1,2,2-Tetrachloroethane	83	9.727	9.727	0.000	99	164297	50.0	50.1	
108 1,2,3-Trichloropropane	75	9.750	9.750	0.000	99	128806	50.0	47.6	
109 trans-1,4-Dichloro-2-butene	75	9.829	9.829	0.000	93	70542	50.0	50.8	
110 N-Propylbenzene	91	9.898	9.898	0.000	100	600751	50.0	53.8	
111 2-Chlorotoluene	91	9.966	9.966	0.000	97	439284	50.0	52.6	
112 4-Ethyltoluene	105	10.092	10.092	0.000	99	535606	NC	NC	
113 4-Chlorotoluene	91	10.161	10.161	0.000	97	495360	50.0	61.2	
114 1,3,5-Trimethylbenzene	105	10.218	10.218	0.000	93	423697	50.0	51.7	
115 Butyl Methacrylate	87	10.503	10.503	0.000	88	179200	50.0	44.2	
116 tert-Butylbenzene	119	10.720	10.720	0.000	95	345365	50.0	53.2	
117 1,2,4-Trimethylbenzene	105	10.811	10.811	0.000	97	418099	50.0	53.5	
118 sec-Butylbenzene	105	11.097	11.097	0.000	99	465728	50.0	53.3	
119 1,3-Dichlorobenzene	146	11.188	11.188	0.000	96	286183	50.0	54.6	
* 120 1,4-Dichlorobenzene-d4	152	11.279	11.279	0.000	95	231480	50.0	50.0	
121 1,4-Dichlorobenzene	146	11.314	11.314	0.000	95	295724	50.0	50.3	
122 4-Isopropyltoluene	119	11.336	11.336	0.000	98	374050	50.0	53.2	
123 1,2,3-Trimethylbenzene	105	11.416	11.416	0.000	98	450481	50.0	53.0	
124 Benzyl chloride	126	11.508	11.508	0.000	99	64336	50.0	54.9	
125 2,3-Dihydroindene	117	11.622	11.622	0.000	94	554349	NC	NC	
126 1,2-Dichlorobenzene	146	11.736	11.736	0.000	97	288843	50.0	53.6	
127 p-Diethylbenzene	119	11.782	11.782	0.000	94	199593	NC	NC	
128 n-Butylbenzene	92	11.793	11.793	0.000	94	166722	50.0	54.2	
129 1,2-Dibromo-3-Chloropropane	157	12.432	12.432	0.000	94	33273	50.0	50.0	
130 1,2,4,5-Tetramethylbenzene	119	12.444	12.444	0.000	97	298246	NC	NC	
131 1,3,5-Trichlorobenzene	180	12.592	12.592	0.000	97	135722	50.0	55.5	
132 1,2,4-Trichlorobenzene	180	12.992	12.992	0.000	95	119552	50.0	53.0	
133 Hexachlorobutadiene	225	13.118	13.118	0.000	97	53022	50.0	49.0	
134 Naphthalene	128	13.129	13.129	0.000	99	308352	50.0	54.6	
135 1,2,3-Trichlorobenzene	180	13.277	13.277	0.000	96	105528	50.0	53.6	
S 137 1,2-Dichloroethene, Total	100				0		100.0	100.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 138 Xylenes, Total	100				0		100.0	107.0	
S 139 Total BTEX	1				0		250.0	263.6	

QC Flag Legend

Processing Flags
NC - Not Calibrated
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

8260SURR250_00230	Amount Added:	1.00	Units: uL	
8260MIX1COMB_00155	Amount Added:	50.00	Units: uL	
ACROLEIN W_00141	Amount Added:	10.00	Units: uL	
524freon_00054	Amount Added:	50.00	Units: uL	
GASES Li_00482	Amount Added:	50.00	Units: uL	
8260ISNEW_00171	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 29-Jun-2022 19:49:24 Chrom Revision: 2.3 20-Jun-2022 20:10:40

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS12\20220629-147196.b\O78556.d

Injection Date: 29-Jun-2022 04:59:30 Instrument ID: CVOAMS12 Operator ID:

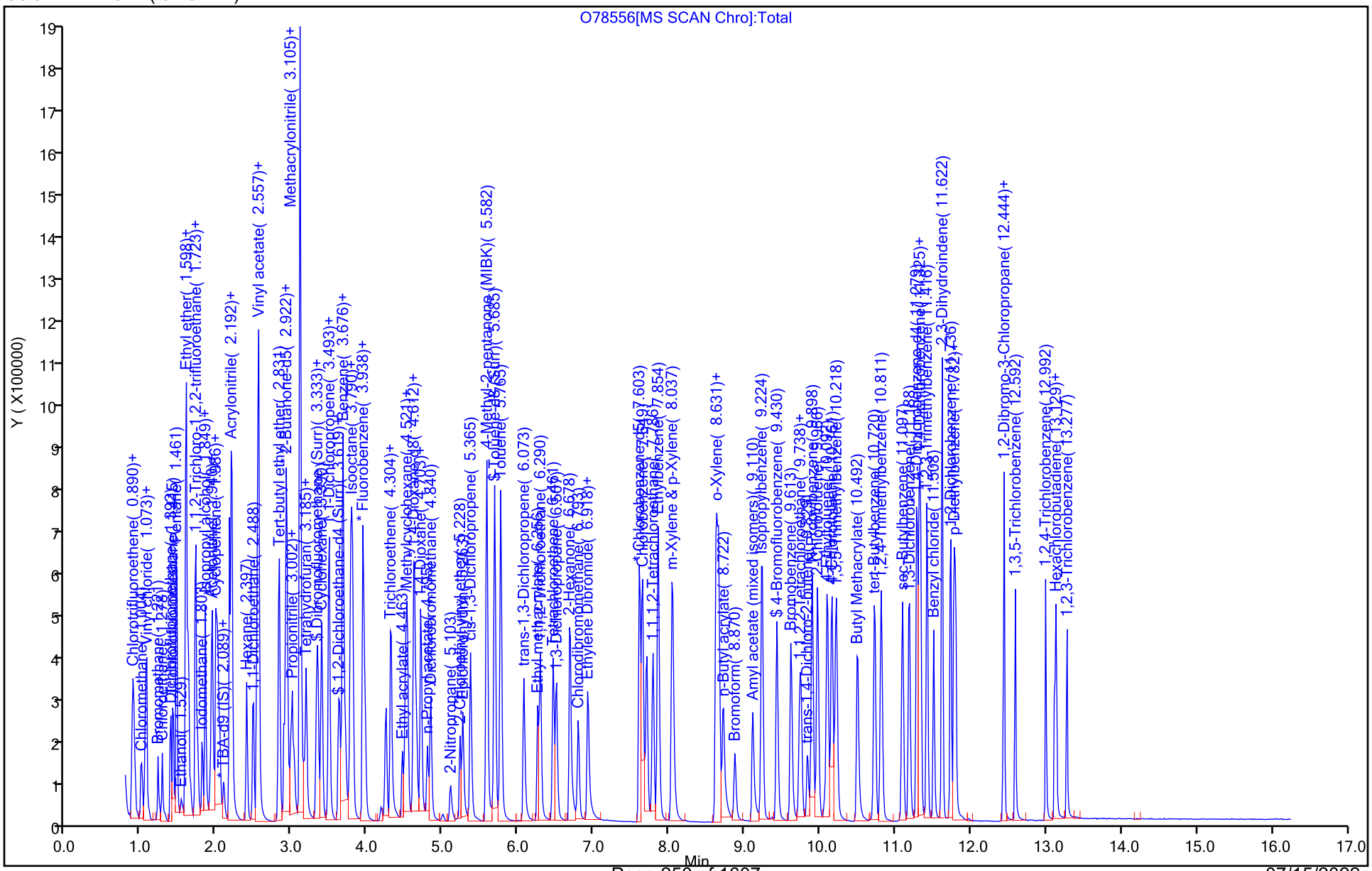
Lims ID: STD50 Worklist Smp#: 7

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 6

Method: 8260W_12 Limit Group: VOA 8260 DEL ICAL

Column: DB-624 (0.18 mm)



Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS12\20220629-147196.b\O78557.d
Lims ID: STD200
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 29-Jun-2022 05:24:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD200
Misc. Info.: 460-0147196-008
Operator ID: Instrument ID: CVOAMS12
Sublist: chrom-8260W_12*sub26

Method: \\chromfs\Edison\ChromData\CVOAMS12\20220629-147196.b\8260W_12.m
Limit Group: VOA 8260 DEL ICAL
Last Update: 29-Jun-2022 19:43:44 Calib Date: 29-Jun-2022 05:49:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Continuing Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS12\20220629-147196.b\O78558.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1670

First Level Reviewer: NN6A Date: 29-Jun-2022 19:09:53

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Chlorotrifluoroethene	116	0.879	0.879	0.000	87	216528	NC	NC	
3 Dichlorodifluoromethane	85	0.890	0.890	0.000	99	697977	200.0	242.8	
5 Chlorodifluoromethane	67	0.901	0.901	0.000	96	107243	NC	NC	
6 Chloromethane	50	1.004	0.993	0.011	99	812278	200.0	221.4	
7 Vinyl chloride	62	1.050	1.050	0.000	97	707876	200.0	216.0	
8 Butadiene	54	1.073	1.073	0.000	94	620286	NC	NC	
9 Bromomethane	94	1.221	1.221	0.000	99	365727	200.0	189.6	
10 Chloroethane	64	1.278	1.278	0.000	99	436174	200.0	209.0	
11 Dichlorofluoromethane	67	1.392	1.392	0.000	99	935062	NC	NC	
12 Trichlorofluoromethane	101	1.427	1.427	0.000	98	700244	200.0	214.3	
13 Pentane	57	1.472	1.472	0.000	97	211508	400.0	401.8	
14 Ethanol	46	1.529	1.529	0.000	96	91279	8000.0	6943.8	
15 Ethyl ether	59	1.586	1.587	0.000	95	450129	200.0	202.2	
16 1,2-Dichloro-1,1,2-trifluoroetha	117	1.586	1.587	0.000	87	479265	NC	NC	
17 2-Methyl-1,3-butadiene	53	1.598	1.598	0.000	89	494607	200.0	201.7	
18 1,1,1-Trifluoro-2,2-dichloroetha	83	1.621	1.621	0.000	96	763452	NC	NC	
19 Acrolein	56	1.655	1.655	0.000	93	60515	200.0	200.8	
20 1,1-Dichloroethene	96	1.723	1.724	-0.001	97	498366	200.0	205.7	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	1.723	1.724	-0.001	71	426108	200.0	202.2	
22 Acetone	58	1.746	1.746	0.000	89	204208	1000.0	1017.4	
23 Iodomethane	142	1.803	1.803	0.000	97	799660	200.0	239.8	
24 Isopropyl alcohol	45	1.838	1.849	-0.011	99	232655	2000.0	1944.9	
25 Carbon disulfide	76	1.849	1.849	0.000	98	1750259	200.0	200.0	
26 Acetonitrile	38	1.940	1.940	0.000	97	156622	2000.0	1965.4	
27 3-Chloro-1-propene	76	1.940	1.940	0.000	95	384234	NC	NC	
28 Methyl acetate	43	1.952	1.952	0.000	99	589225	400.0	462.8	
29 Cyclopentene	67	1.986	1.998	-0.012	93	1405391	NC	NC	
30 Methylene Chloride	84	2.009	2.020	-0.011	91	590219	200.0	198.0	
* 31 TBA-d9 (IS)	65	2.043	2.032	0.011	100	185063	1000.0	1000.0	
32 2-Methyl-2-propanol	59	2.089	2.089	0.000	99	372438	2000.0	1780.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
33 Acrylonitrile	53	2.169	2.169	0.000	96	1787306	2000.0	2394.9	
34 trans-1,2-Dichloroethene	96	2.192	2.203	-0.011	94	571238	200.0	214.6	
35 Methyl tert-butyl ether	73	2.203	2.203	0.000	97	1577889	200.0	194.2	
36 Hexane	57	2.397	2.397	0.000	90	456890	200.0	196.3	
37 1,1-Dichloroethane	63	2.488	2.488	0.000	100	1074889	200.0	215.1	
38 Vinyl acetate	86	2.534	2.534	0.000	100	218519	400.0	433.9	
39 Isopropyl ether	45	2.557	2.557	0.000	92	1845220	200.0	197.1	
40 2-Chloro-1,3-butadiene	88	2.557	2.557	0.000	68	576199	NC	NC	
41 Tert-butyl ethyl ether	59	2.831	2.831	0.000	90	1878210	200.0	206.4	
* 43 2-Butanone-d5	46	2.888	2.888	0.000	100	243907	250.0	250.0	
44 2,2-Dichloropropane	97	2.922	2.922	0.000	77	196616	200.0	194.3	
45 cis-1,2-Dichloroethene	96	2.922	2.922	0.000	95	644532	200.0	216.7	
46 2-Butanone (MEK)	72	2.934	2.945	-0.011	99	301539	1000.0	953.3	
42 Propionitrile	54	2.979	2.979	0.000	97	660332	NC	NC	
47 Ethyl acetate	70	3.002	3.002	0.000	100	122000	400.0	381.4	
48 Methyl acrylate	55	3.025	3.036	-0.011	100	511045	NC	NC	
50 Methacrylonitrile	67	3.105	3.105	0.000	89	2041518	NC	NC	
49 Chlorobromomethane	128	3.116	3.116	0.000	91	272468	200.0	210.1	
51 Tetrahydrofuran	42	3.151	3.162	-0.011	81	250971	400.0	404.0	
52 Chloroform	83	3.185	3.185	0.000	100	938522	200.0	215.4	
$ 53 Dibromofluoromethane (Surr)	113	3.322	3.322	0.000	97	129840	50.0	55.5	
54 1,1,1-Trichloroethane	97	3.345	3.345	0.000	98	798417	200.0	211.2	
55 Cyclohexane	84	3.390	3.390	0.000	89	655509	200.0	198.0	
56 Carbon tetrachloride	117	3.493	3.493	0.000	82	655031	200.0	210.8	
57 1,1-Dichloropropene	75	3.493	3.493	0.000	97	776239	200.0	210.6	
$ 58 1,2-Dichloroethane-d4 (Surr)	65	3.619	3.619	0.000	0	136070	50.0	53.0	
61 Isobutyl alcohol	43	3.630	3.642	-0.012	95	518559	NC	NC	a
59 Benzene	78	3.676	3.676	0.000	95	2421759	200.0	194.4	
60 1,2-Dichloroethane	62	3.687	3.687	0.000	97	652054	200.0	205.1	
62 Isooctane	57	3.778	3.779	-0.001	96	1084576	200.0	200.4	
63 Isopropyl acetate	61	3.778	3.779	-0.001	98	226960	200.0	225.8	
64 Tert-amyl methyl ether	73	3.801	3.801	0.000	98	1734425	200.0	201.3	
* 65 Fluorobenzene	96	3.938	3.938	0.000	99	569704	50.0	50.0	
66 n-Heptane	43	3.961	3.973	-0.012	91	353591	200.0	190.8	
67 Trichloroethene	95	4.304	4.315	-0.011	97	599359	200.0	206.7	
68 n-Butanol	56	4.292	4.372	-0.080	85	349652	5000.0	7842.6	
69 Ethyl acrylate	55	4.463	4.464	-0.001	98	763060	200.0	218.6	
70 Methylcyclohexane	83	4.509	4.509	0.000	94	588774	200.0	204.2	
71 1,2-Dichloropropane	63	4.532	4.532	0.000	95	649142	200.0	207.7	
* 72 1,4-Dioxane-d8	96	4.646	4.646	0.000	0	31710	1000.0	1000.0	
73 Dibromomethane	93	4.646	4.646	0.000	97	308166	200.0	210.9	
74 1,4-Dioxane	88	4.692	4.703	-0.011	90	120892	4000.0	3974.6	
75 Methyl methacrylate	100	4.703	4.715	-0.012	89	331336	400.0	473.1	
76 n-Propyl acetate	43	4.795	4.795	0.000	98	751449	200.0	203.6	
77 Dichlorobromomethane	83	4.840	4.840	0.000	100	764354	200.0	213.5	
78 2-Nitropropane	41	5.103	5.103	0.000	96	245464	NC	NC	
79 2-Chloroethyl vinyl ether	63	5.228	5.229	0.000	96	442226	200.5	257.2	
80 Epichlorohydrin	57	5.263	5.274	-0.011	98	1167461	4000.0	4033.2	
81 cis-1,3-Dichloropropene	75	5.365	5.366	-0.001	90	1079743	200.0	215.1	
82 4-Methyl-2-pentanone (MIBK)	43	5.582	5.582	0.000	94	2562686	1000.0	1096.4	
$ 83 Toluene-d8 (Surr)	98	5.685	5.685	0.000	99	586054	50.0	51.2	
84 Toluene	91	5.765	5.765	0.000	94	2512384	200.0	198.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
85 trans-1,3-Dichloropropene	75	6.073	6.085	-0.012	96	968752	200.0	222.4	
86 Ethyl methacrylate	69	6.256	6.267	-0.011	88	801191	200.0	206.7	a
87 1,1,2-Trichloroethane	83	6.290	6.290	0.000	96	449931	200.0	210.9	
88 Tetrachloroethene	166	6.461	6.462	-0.001	97	526363	200.0	208.2	
89 1,3-Dichloropropane	76	6.507	6.507	0.000	92	954879	200.0	206.4	
90 2-Hexanone	43	6.678	6.690	-0.012	94	1741814	1000.0	1029.9	
91 Chlorodibromomethane	129	6.793	6.804	-0.011	98	601860	200.0	221.2	
93 Ethylene Dibromide	107	6.918	6.930	-0.012	81	533116	200.0	215.7	
92 n-Butyl acetate	43	6.918	6.941	-0.023	98	794819	200.0	202.7	
* 94 Chlorobenzene-d5	117	7.603	7.603	0.000	85	430127	50.0	50.0	
95 Chlorobenzene	112	7.649	7.649	0.000	95	1627024	200.0	207.6	
96 1,1,1,2-Tetrachloroethane	131	7.786	7.786	0.000	97	550400	200.0	210.9	
97 Ethylbenzene	106	7.854	7.854	0.000	98	844558	200.0	203.9	
98 m-Xylene & p-Xylene	106	8.037	8.048	-0.011	100	1064904	200.0	208.6	
99 o-Xylene	106	8.619	8.631	-0.012	95	1076169	200.0	208.7	
100 Styrene	104	8.653	8.665	-0.012	96	1810133	200.0	219.0	
101 n-Butyl acrylate	73	8.711	8.733	-0.022	99	433678	200.0	227.1	
102 Bromoform	173	8.870	8.882	-0.012	97	393771	200.0	226.0	
103 Amyl acetate (mixed isomers)	43	9.099	9.122	-0.023	92	981128	200.0	233.2	
104 Isopropylbenzene	105	9.236	9.236	0.000	95	2252707	200.0	200.7	
$ 105 4-Bromofluorobenzene	174	9.430	9.430	0.000	88	170314	50.0	51.7	
106 Bromobenzene	156	9.613	9.624	-0.011	99	669598	200.0	205.7	
107 1,1,2,2-Tetrachloroethane	83	9.727	9.727	0.000	99	700965	200.0	207.7	
108 1,2,3-Trichloropropane	75	9.750	9.761	-0.011	99	543715	200.0	195.4	
109 trans-1,4-Dichloro-2-butene	75	9.829	9.841	-0.012	95	321660	200.0	225.4	
110 N-Propylbenzene	91	9.898	9.898	0.000	100	2472052	200.0	215.3	
111 2-Chlorotoluene	91	9.966	9.967	0.000	97	1748036	200.0	203.7	
112 4-Ethyltoluene	105	10.092	10.104	-0.012	99	2159336	NC	NC	
113 4-Chlorotoluene	91	10.161	10.161	0.000	97	1589808	200.0	191.1	
114 1,3,5-Trimethylbenzene	105	10.218	10.218	0.000	93	1649955	200.0	195.9	
115 Butyl Methacrylate	87	10.492	10.503	-0.011	88	816341	200.0	195.7	
116 tert-Butylbenzene	119	10.731	10.731	0.000	95	1423751	200.0	213.5	
117 1,2,4-Trimethylbenzene	105	10.811	10.811	0.000	97	1699215	200.0	211.5	
118 sec-Butylbenzene	105	11.097	11.097	0.000	99	1940897	200.0	215.9	
119 1,3-Dichlorobenzene	146	11.177	11.188	-0.011	96	1145534	200.0	212.5	
* 120 1,4-Dichlorobenzene-d4	152	11.279	11.279	0.000	96	237959	50.0	50.0	
121 1,4-Dichlorobenzene	146	11.314	11.314	0.000	94	1178451	200.0	195.0	
122 4-Isopropyltoluene	119	11.336	11.337	-0.001	98	1531548	200.0	211.9	
123 1,2,3-Trimethylbenzene	105	11.416	11.416	0.000	98	1801354	200.0	206.1	
124 Benzyl chloride	126	11.508	11.508	0.000	99	294118	200.0	244.2	
125 2,3-Dihydroindene	117	11.622	11.622	0.000	95	2093371	NC	NC	
126 1,2-Dichlorobenzene	146	11.736	11.736	0.000	97	1142587	200.0	206.2	
127 p-Diethylbenzene	119	11.782	11.782	0.000	93	789155	NC	NC	
128 n-Butylbenzene	92	11.793	11.805	-0.012	98	684251	200.0	216.5	
129 1,2-Dibromo-3-Chloropropane	157	12.421	12.433	-0.012	98	148633	200.0	217.3	
130 1,2,4,5-Tetramethylbenzene	119	12.444	12.444	0.000	98	1089118	NC	NC	
131 1,3,5-Trichlorobenzene	180	12.592	12.592	0.000	98	526626	200.0	209.5	
132 1,2,4-Trichlorobenzene	180	12.992	13.003	-0.011	94	503787	200.0	217.4	
133 Hexachlorobutadiene	225	13.118	13.118	0.000	98	218503	200.0	196.5	
134 Naphthalene	128	13.129	13.140	-0.011	99	1304909	200.0	224.7	
135 1,2,3-Trichlorobenzene	180	13.277	13.277	0.000	96	425199	200.0	210.1	
S 137 1,2-Dichloroethene, Total	100				0		400.0	431.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 138 Xylenes, Total	100				0		400.0	417.3	
S 139 Total BTEX	1				0		1000.0	1014.0	

QC Flag Legend

Processing Flags
NC - Not Calibrated
Review Flags
a - User Assigned ID

Reagents:

8260SURR250_00230	Amount Added:	1.00	Units: uL	
ACROLEIN W_00141	Amount Added:	20.00	Units: uL	
8FreonHi_00046	Amount Added:	20.00	Units: uL	
GAS Hi_00417	Amount Added:	20.00	Units: uL	
MIX 2 Hi_00124	Amount Added:	20.00	Units: uL	
MIX I Hi_00151	Amount Added:	20.00	Units: uL	
Ethanol mix_00066	Amount Added:	20.00	Units: uL	
8260ISNEW_00171	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 29-Jun-2022 19:43:45 Chrom Revision: 2.3 20-Jun-2022 20:10:40

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS12\20220629-147196.b\O78557.d

Injection Date: 29-Jun-2022 05:24:30 Instrument ID: CVOAMS12 Operator ID:

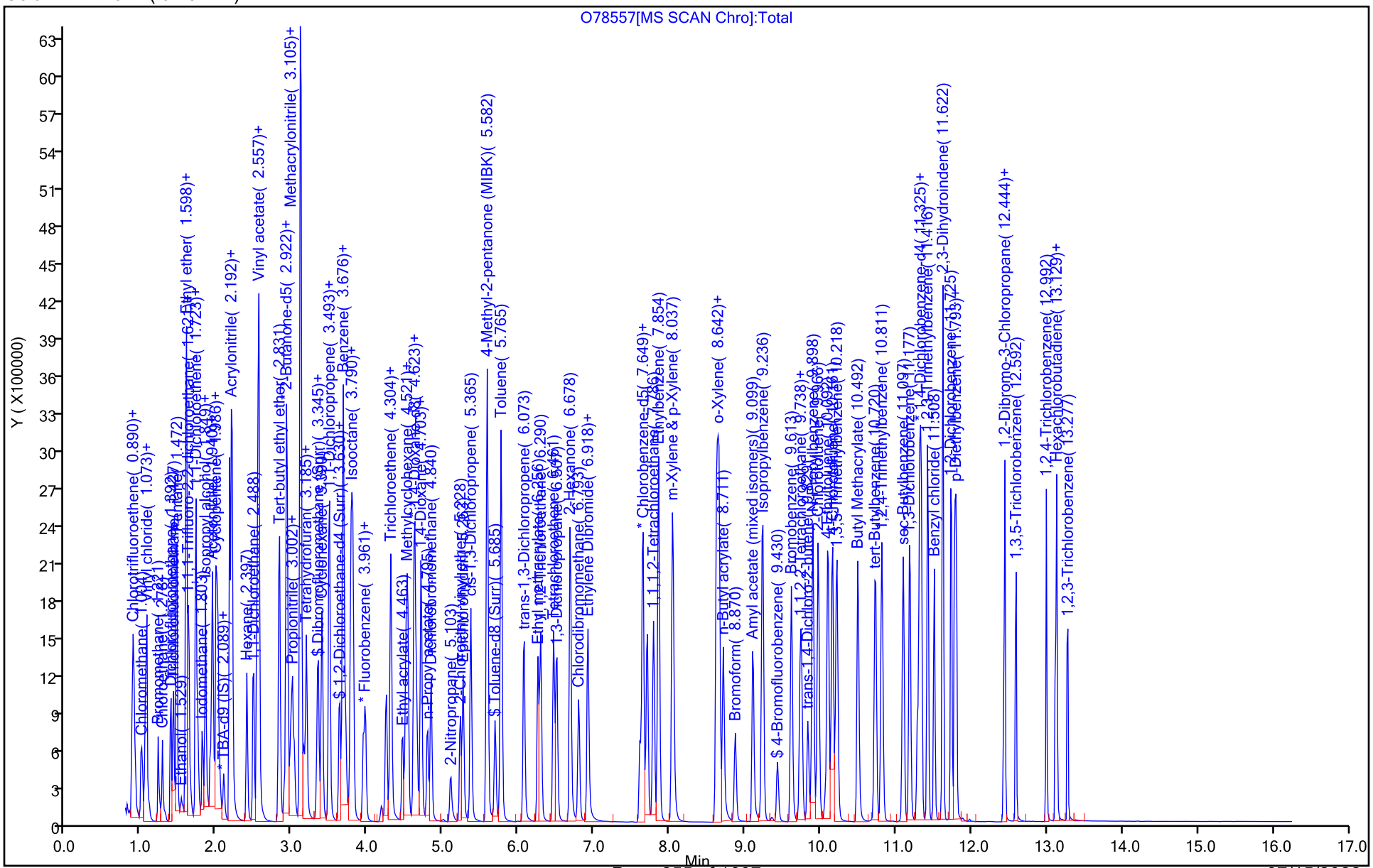
Lims ID: STD200 Worklist Smp#: 8

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 7

Method: 8260W_12 Limit Group: VOA 8260 DEL ICAL

Column: DB-624 (0.18 mm)



Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS12\20220629-147196.b\O78558.d
Lims ID: STD500
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 29-Jun-2022 05:49:30 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD500
Misc. Info.: 460-0147196-009
Operator ID: Instrument ID: CVOAMS12
Sublist: chrom-8260W_12*sub26

Method: \\chromfs\Edison\ChromData\CVOAMS12\20220629-147196.b\8260W_12.m
Limit Group: VOA 8260 DEL ICAL
Last Update: 29-Jun-2022 19:43:50 Calib Date: 29-Jun-2022 05:49:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Continuing Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS12\20220629-147196.b\O78558.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1670

First Level Reviewer: RD6L Date: 29-Jun-2022 08:17:38

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Chlorotrifluoroethene	116	0.879	0.879	0.000	88	510510	NC	NC	
3 Dichlorodifluoromethane	85	0.890	0.890	0.000	99	1596617	500.0	523.6	
5 Chlorodifluoromethane	67	0.901	0.901	0.000	96	255813	NC	NC	
6 Chloromethane	50	1.004	0.993	0.011	98	2023227	500.0	519.9	
7 Vinyl chloride	62	1.050	1.050	0.000	97	1688627	500.0	485.7	
8 Butadiene	54	1.073	1.073	0.000	95	1461445	NC	NC	
9 Bromomethane	94	1.221	1.221	0.000	98	459054	500.0	224.3	
10 Chloroethane	64	1.278	1.278	0.000	99	939196	500.0	424.2	
11 Dichlorofluoromethane	67	1.381	1.392	-0.011	99	2244200	NC	NC	
12 Trichlorofluoromethane	101	1.427	1.427	0.000	99	1666665	500.0	480.8	
13 Pentane	57	1.461	1.472	-0.011	97	465165	1000.0	833.0	
14 Ethanol	46	1.541	1.529	0.012	96	254132	20000	15522	
15 Ethyl ether	59	1.586	1.587	0.000	95	1104398	500.0	467.7	
16 1,2-Dichloro-1,1,2-trifluoroetha	117	1.598	1.587	0.012	80	1119204	NC	NC	
17 2-Methyl-1,3-butadiene	53	1.598	1.598	0.000	88	1131745	500.0	435.1	
18 1,1,1-Trifluoro-2,2-dichloroetha	83	1.632	1.621	0.011	94	1872995	NC	NC	
19 Acrolein	56	1.655	1.655	0.000	93	130038	400.0	346.5	
20 1,1-Dichloroethene	96	1.723	1.724	-0.001	97	1188468	500.0	462.6	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	1.723	1.724	-0.001	73	943792	500.0	422.3	
22 Acetone	58	1.746	1.746	0.000	89	548013	2500.0	2500.7	
23 Iodomethane	142	1.803	1.803	0.000	97	1876264	500.0	530.4	
24 Isopropyl alcohol	45	1.849	1.849	0.000	31	696384	5000.0	4674.3	
25 Carbon disulfide	76	1.849	1.849	0.000	98	4262230	500.0	459.2	
26 Acetonitrile	38	1.940	1.940	0.000	90	378419	5000.0	3812.8	
27 3-Chloro-1-propene	76	1.940	1.940	0.000	96	925711	NC	NC	
28 Methyl acetate	43	1.952	1.952	0.000	99	1732046	1000.0	1092.3	
29 Cyclopentene	67	1.986	1.998	-0.012	95	3395613	NC	NC	
30 Methylene Chloride	84	2.009	2.020	-0.011	92	1455948	500.0	460.5	
* 31 TBA-d9 (IS)	65	2.055	2.032	0.023	100	230487	1000.0	1000.0	
32 2-Methyl-2-propanol	59	2.100	2.089	0.011	99	1180175	5000.0	4530.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
33 Acrylonitrile	53	2.180	2.169	0.011	97	4685937	5000.0	5919.3	
34 trans-1,2-Dichloroethene	96	2.203	2.203	0.000	93	1351807	500.0	478.7	
35 Methyl tert-butyl ether	73	2.203	2.203	0.000	97	3845544	500.0	446.2	
36 Hexane	57	2.397	2.397	0.000	90	1032577	500.0	418.2	
37 1,1-Dichloroethane	63	2.488	2.488	0.000	99	2713997	500.0	512.1	
38 Vinyl acetate	86	2.534	2.534	0.000	100	541974	1000.0	985.7	
39 Isopropyl ether	45	2.557	2.557	0.000	93	4292146	500.0	432.2	
40 2-Chloro-1,3-butadiene	88	2.557	2.557	0.000	68	1356873	NC	NC	
41 Tert-butyl ethyl ether	59	2.831	2.831	0.000	90	4693281	500.0	486.2	
* 43 2-Butanone-d5	46	2.899	2.888	0.011	93	266304	250.0	250.0	
44 2,2-Dichloropropane	97	2.922	2.922	0.000	77	470138	500.0	437.9	
45 cis-1,2-Dichloroethene	96	2.922	2.922	0.000	95	1550558	500.0	491.5	
46 2-Butanone (MEK)	72	2.945	2.945	0.000	99	774627	2500.0	2243.0	
42 Propionitrile	54	2.991	2.979	0.012	97	1823351	NC	NC	
47 Ethyl acetate	70	3.002	3.002	0.000	99	320648	1000.0	918.1	
48 Methyl acrylate	55	3.025	3.036	-0.011	99	1326905	NC	NC	M
50 Methacrylonitrile	67	3.128	3.105	0.023	88	4963452	NC	NC	
49 Chlorobromomethane	128	3.128	3.116	0.012	47	616776	500.0	448.4	
51 Tetrahydrofuran	42	3.162	3.162	0.000	95	721893	1000.0	1064.3	
52 Chloroform	83	3.196	3.185	0.011	99	2302543	500.0	498.3	
$ 53 Dibromofluoromethane (Surr)	113	3.322	3.322	0.000	97	124658	50.0	50.3	
54 1,1,1-Trichloroethane	97	3.345	3.345	0.000	98	1929718	500.0	481.1	
55 Cyclohexane	84	3.390	3.390	0.000	89	1508639	500.0	429.7	
56 Carbon tetrachloride	117	3.493	3.493	0.000	83	1533775	500.0	465.3	
57 1,1-Dichloropropene	75	3.493	3.493	0.000	97	1817615	500.0	465.0	
$ 58 1,2-Dichloroethane-d4 (Surr)	65	3.619	3.619	0.000	0	136088	50.0	50.0	
61 Isobutyl alcohol	43	3.641	3.642	-0.001	94	1542997	NC	NC	a
59 Benzene	78	3.676	3.676	0.000	95	5756939	500.0	426.8	
60 1,2-Dichloroethane	62	3.687	3.687	0.000	97	1583807	500.0	469.5	
62 Isooctane	57	3.778	3.779	-0.001	95	2548454	500.0	499.9	
63 Isopropyl acetate	61	3.778	3.779	-0.001	98	572889	500.0	537.2	
64 Tert-amyl methyl ether	73	3.801	3.801	0.000	98	4242757	500.0	464.2	
* 65 Fluorobenzene	96	3.938	3.938	0.000	98	604320	50.0	50.0	
66 n-Heptane	43	3.973	3.973	0.000	90	846828	500.0	430.7	
67 Trichloroethene	95	4.304	4.315	-0.011	99	1434857	500.0	466.5	
68 n-Butanol	56	4.304	4.372	-0.068	85	1025125	12500	18462	
69 Ethyl acrylate	55	4.463	4.464	-0.001	99	1971702	500.0	532.4	
70 Methylcyclohexane	83	4.509	4.509	0.000	95	1317151	500.0	430.6	
71 1,2-Dichloropropane	63	4.532	4.532	0.000	95	1574126	500.0	474.9	
* 72 1,4-Dioxane-d8	96	4.646	4.646	0.000	0	37833	1000.0	1000.0	
73 Dibromomethane	93	4.646	4.646	0.000	98	779828	500.0	503.0	
74 1,4-Dioxane	88	4.703	4.703	0.000	88	324224	10000	8934.3	
75 Methyl methacrylate	100	4.715	4.715	0.000	87	835567	1000.0	1124.8	
76 n-Propyl acetate	43	4.795	4.795	0.000	98	1962583	500.0	498.8	
77 Dichlorobromomethane	83	4.840	4.840	0.000	100	1895737	500.0	499.2	
78 2-Nitropropane	41	5.103	5.103	0.000	95	658101	NC	NC	
79 2-Chloroethyl vinyl ether	63	5.228	5.229	0.000	97	1155832	501.2	633.7	
80 Epichlorohydrin	57	5.274	5.274	0.000	98	3079741	10000	9995.1	
81 cis-1,3-Dichloropropene	75	5.365	5.366	-0.001	90	2626696	500.0	483.4	
82 4-Methyl-2-pentanone (MIBK)	43	5.594	5.582	0.012	94	6405171	2500.0	2509.8	
$ 83 Toluene-d8 (Surr)	98	5.697	5.685	0.012	99	565489	50.0	45.7	
84 Toluene	91	5.776	5.765	0.011	95	6037847	500.0	440.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
85 trans-1,3-Dichloropropene	75	6.073	6.085	-0.012	96	2409407	500.0	511.0	
86 Ethyl methacrylate	69	6.256	6.267	-0.011	88	2088408	500.0	497.5	a
87 1,1,2-Trichloroethane	83	6.290	6.290	0.000	96	1114635	500.0	482.8	
88 Tetrachloroethene	166	6.461	6.462	-0.001	97	1259257	500.0	460.1	
89 1,3-Dichloropropane	76	6.507	6.507	0.000	92	2367818	500.0	472.9	
90 2-Hexanone	43	6.690	6.690	0.000	93	4598321	2500.0	2488.1	
91 Chlorodibromomethane	129	6.804	6.804	0.000	98	1529048	500.0	519.2	
93 Ethylene Dibromide	107	6.918	6.930	-0.012	99	1348208	500.0	503.9	
92 n-Butyl acetate	43	6.918	6.941	-0.023	98	2158315	500.0	499.6	
* 94 Chlorobenzene-d5	117	7.615	7.603	0.012	84	465581	50.0	50.0	
95 Chlorobenzene	112	7.649	7.649	0.000	95	4066189	500.0	479.3	
96 1,1,1,2-Tetrachloroethane	131	7.797	7.786	0.011	97	1404225	500.0	497.0	
97 Ethylbenzene	106	7.854	7.854	0.000	97	2113063	500.0	471.2	
98 m-Xylene & p-Xylene	106	8.048	8.048	0.000	99	2692171	500.0	487.2	
99 o-Xylene	106	8.631	8.631	0.000	95	2703413	500.0	484.3	
100 Styrene	104	8.665	8.665	0.000	96	4461226	500.0	498.7	
101 n-Butyl acrylate	73	8.711	8.733	-0.022	99	1176523	500.0	569.2	
102 Bromoform	173	8.870	8.882	-0.012	97	1082120	500.0	573.7	
103 Amyl acetate (mixed isomers)	43	9.110	9.122	-0.012	92	2685677	500.0	592.6	
104 Isopropylbenzene	105	9.236	9.236	0.000	95	5630739	500.0	463.5	
$ 105 4-Bromofluorobenzene	174	9.430	9.430	0.000	89	177969	50.0	49.9	
106 Bromobenzene	156	9.624	9.624	0.000	99	1713812	500.0	488.9	
107 1,1,2,2-Tetrachloroethane	83	9.738	9.727	0.011	99	1884849	500.0	518.7	
108 1,2,3-Trichloropropane	75	9.750	9.761	-0.011	99	1437978	500.0	479.8	
109 trans-1,4-Dichloro-2-butene	75	9.841	9.841	0.000	93	908306	500.0	590.9	
110 N-Propylbenzene	91	9.909	9.898	0.011	100	6158528	500.0	498.0	
111 2-Chlorotoluene	91	9.978	9.967	0.012	97	4319527	500.0	467.5	
112 4-Ethyltoluene	105	10.103	10.104	-0.001	99	5462356	NC	NC	
113 4-Chlorotoluene	91	10.161	10.161	0.000	97	4097856	500.0	457.4	
114 1,3,5-Trimethylbenzene	105	10.218	10.218	0.000	93	4159017	500.0	458.6	
115 Butyl Methacrylate	87	10.503	10.503	0.000	88	2258029	500.0	502.6	
116 tert-Butylbenzene	119	10.731	10.731	0.000	95	3592709	500.0	500.2	
117 1,2,4-Trimethylbenzene	105	10.823	10.811	0.012	97	4321261	500.0	499.4	
118 sec-Butylbenzene	105	11.097	11.097	0.000	99	4909333	500.0	507.1	
119 1,3-Dichlorobenzene	146	11.188	11.188	0.000	95	2856368	500.0	491.9	
* 120 1,4-Dichlorobenzene-d4	152	11.291	11.279	0.012	95	256273	50.0	50.0	
121 1,4-Dichlorobenzene	146	11.314	11.314	0.000	94	2859970	500.0	439.4	
122 4-Isopropyltoluene	119	11.336	11.337	-0.001	98	3802582	500.0	488.6	
123 1,2,3-Trimethylbenzene	105	11.428	11.416	0.012	98	4515010	500.0	479.6	
124 Benzyl chloride	126	11.508	11.508	0.000	99	788170	500.0	607.6	
125 2,3-Dihydroindene	117	11.622	11.622	0.000	95	5187316	NC	NC	
126 1,2-Dichlorobenzene	146	11.736	11.736	0.000	96	2789670	500.0	467.5	
127 p-Diethylbenzene	119	11.782	11.782	0.000	95	1988563	NC	NC	
128 n-Butylbenzene	92	11.805	11.805	0.000	94	1735852	500.0	509.9	
129 1,2-Dibromo-3-Chloropropane	157	12.421	12.433	-0.012	97	413250	500.0	561.0	
130 1,2,4,5-Tetramethylbenzene	119	12.444	12.444	0.000	98	2740574	NC	NC	
131 1,3,5-Trichlorobenzene	180	12.592	12.592	0.000	98	1323221	500.0	488.7	
132 1,2,4-Trichlorobenzene	180	12.992	13.003	-0.011	95	1252512	500.0	501.9	
133 Hexachlorobutadiene	225	13.118	13.118	0.000	98	535061	500.0	446.9	
134 Naphthalene	128	13.129	13.140	-0.011	99	3503534	500.0	560.1	
135 1,2,3-Trichlorobenzene	180	13.277	13.277	0.000	96	1106790	500.0	507.8	
S 137 1,2-Dichloroethene, Total	100				0		1000.0	970.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 138 Xylenes, Total	100				0		1000.0	971.5	
S 139 Total BTEX	1				0		2500.0	2310.2	

QC Flag Legend

Processing Flags
NC - Not Calibrated
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

8260SURR250_00230	Amount Added:	1.00	Units: uL	
ACROLEIN W_00141	Amount Added:	40.00	Units: uL	
8FreonHi_00046	Amount Added:	50.00	Units: uL	
GAS Hi_00417	Amount Added:	50.00	Units: uL	
MIX 2 Hi_00124	Amount Added:	50.00	Units: uL	
MIX I Hi_00151	Amount Added:	50.00	Units: uL	
Ethanol mix_00066	Amount Added:	50.00	Units: uL	
8260ISNEW_00171	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 29-Jun-2022 19:43:52 Chrom Revision: 2.3 20-Jun-2022 20:10:40

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS12\20220629-147196.b\O78558.d

Injection Date: 29-Jun-2022 05:49:30 Instrument ID: CVOAMS12 Operator ID:

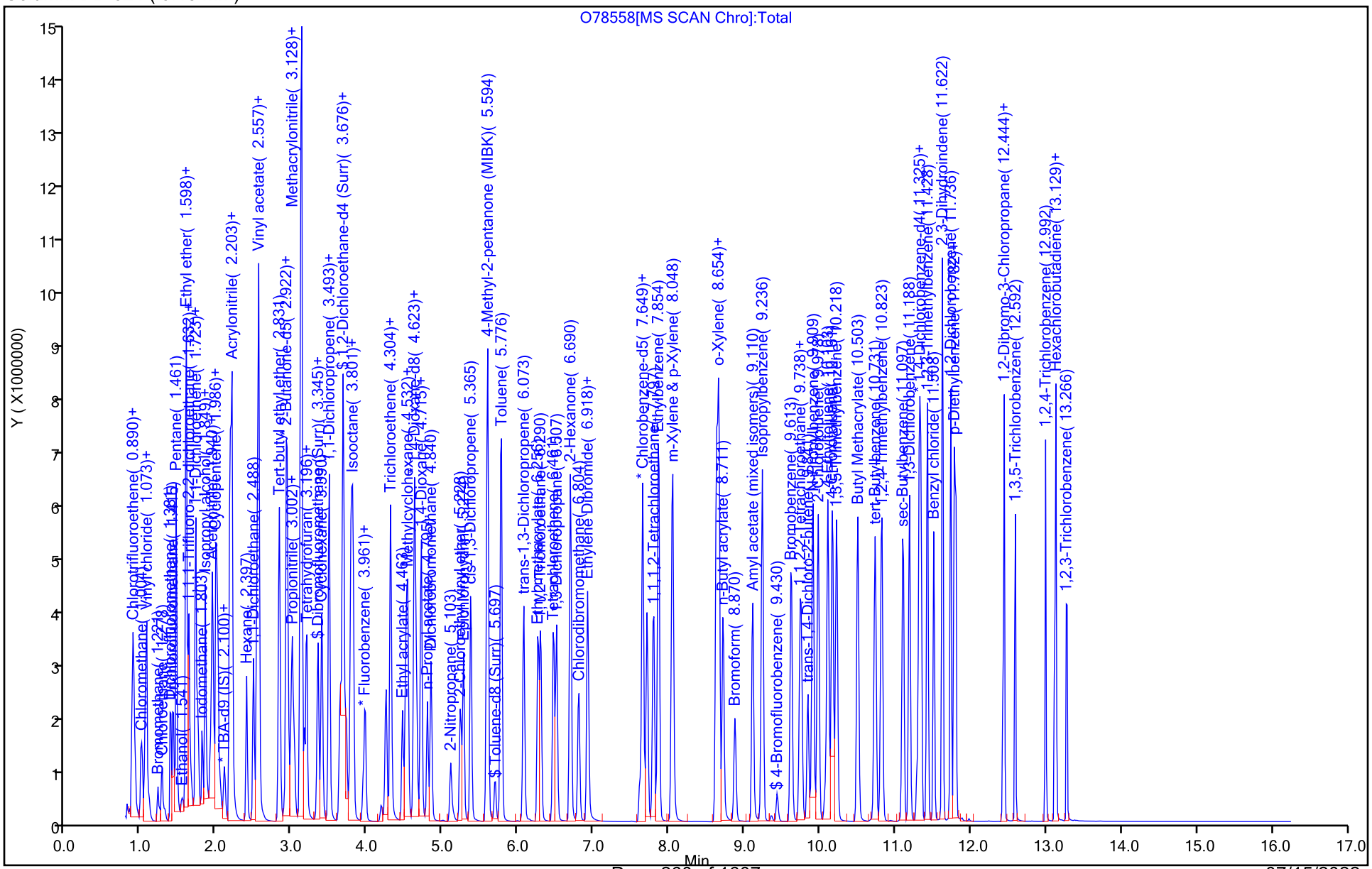
Lims ID: STD500 Worklist Smp#: 9

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 8

Method: 8260W_12 Limit Group: VOA 8260 DEL ICAL

Column: DB-624 (0.18 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-260852-1

SDG No.:

Lab Sample ID: ICV 460-852547/17 Calibration Date: 06/29/2022 09:11

Instrument ID: CVOAMS12 Calib Start Date: 06/29/2022 03:18

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 06/29/2022 05:49

Lab File ID: O78566.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.2523	0.2710	0.1000	21.8	20.0	7.4	25.0
Chloromethane	Ave	0.3220	0.3145	0.1000	20.5	20.0	-2.3	25.0
Vinyl chloride	Ave	0.2876	0.2936	0.1000	20.9	20.0	2.1	25.0
Bromomethane	Ave	0.1693	0.1571	0.1000	23.6	20.0	-7.2	25.0
Chloroethane	Ave	0.1832	0.1710	0.1000	19.3	20.0	-6.7	25.0
Trichlorofluoromethane	Ave	0.2868	0.2940	0.1000	20.1	20.0	2.5	25.0
Pentane	Ave	0.0462	0.0586*	0.1000	47.2	40.0	26.9*	25.0
Ethanol	Ave	0.0710	0.0739*	0.1000	808	800	4.1	25.0
Ethyl ether	Ave	0.1954	0.1980	0.1000	20.8	20.0	1.3	25.0
2-Methyl-1,3-butadiene	Ave	0.2152	0.2447	0.1000	21.5	20.0	13.7	25.0
Acrolein	Ave	1.628	1.448	0.1000	33.5	40.1	-11.1	25.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.1849	0.2066	0.1000	21.7	20.0	11.7	25.0
1,1-Dichloroethene	Ave	0.2126	0.2273	0.1000	20.6	20.0	6.9	25.0
Acetone	Ave	0.2057	0.1705	0.1000	87.3	100	-17.1	25.0
Iodomethane	Ave	0.2927	0.2567	0.1000	15.2	20.0	-12.3	25.0
Isopropyl alcohol	Ave	0.6464	0.6182	0.1000	179	200	-4.4	25.0
Carbon disulfide	Ave	0.7680	0.8187	0.1000	20.8	20.0	6.6	25.0
Acetonitrile	Ave	0.4306	0.4136	0.1000	169	200	-4.0	25.0
Methyl acetate	Ave	6.880	6.632	0.1000	34.4	40.0	-3.6	25.0
Methylene Chloride	Ave	0.2616	0.2716	0.1000	20.6	20.0	3.8	25.0
2-Methyl-2-propanol	Ave	1.130	1.044	0.1000	194	200	-7.6	25.0
Acrylonitrile	Ave	0.0655	0.0731*	0.1000	199	200	11.6	25.0
trans-1,2-Dichloroethene	Ave	0.2337	0.2349	0.1000	19.9	20.0	0.5	25.0
Methyl tert-butyl ether	Ave	0.7131	0.7537	0.1000	21.3	20.0	5.7	25.0
Hexane	Ave	0.2043	0.2470	0.1000	23.3	20.0	20.9	25.0
1,1-Dichloroethane	Ave	0.4385	0.4210	0.1000	19.7	20.0	-4.0	25.0
Vinyl acetate	Ave	0.5162	0.5969	0.1000	42.0	40.0	15.6	25.0
Isopropyl ether	Ave	0.8216	0.8702	0.1000	20.5	20.0	5.9	25.0
Tert-butyl ethyl ether	Ave	0.7986	0.8349	0.1000	20.4	20.0	4.5	25.0
2,2-Dichloropropane	Ave	0.0888	0.0861*	0.1000	19.9	20.0	-3.1	25.0
cis-1,2-Dichloroethene	Ave	0.2610	0.2490	0.1000	19.3	20.0	-4.6	25.0
2-Butanone (MEK)	Ave	0.3242	0.2921	0.1000	91.5	100	-9.9	25.0
Ethyl acetate	Ave	0.3279	0.3179	0.1000	37.4	40.0	-3.0	25.0
Chlorobromomethane	Ave	0.1138	0.1251	0.1000	20.9	20.0	10.0	25.0
Tetrahydrofuran	Ave	0.6368	0.6222	0.1000	42.0	40.0	-2.3	25.0
Chloroform	Ave	0.3824	0.3882	0.1000	20.5	20.0	1.5	25.0
1,1,1-Trichloroethane	Ave	0.3319	0.3435	0.1000	20.1	20.0	3.5	25.0
Cyclohexane	Ave	0.2905	0.3184	0.1000	21.3	20.0	9.6	25.0
1,1-Dichloropropene	Ave	0.3234	0.3422	0.1000	20.0	20.0	5.8	25.0
Carbon tetrachloride	Ave	0.2727	0.2805	0.1000	19.9	20.0	2.9	25.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-260852-1

SDG No.:

Lab Sample ID: ICV 460-852547/17 Calibration Date: 06/29/2022 09:11

Instrument ID: CVOAMS12 Calib Start Date: 06/29/2022 03:18

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 06/29/2022 05:49

Lab File ID: O78566.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzene	Ave	1.448	1.545	0.1000	20.6	20.0	6.7	25.0
1,2-Dichloroethane	Ave	0.2791	0.2801	0.1000	20.2	20.0	0.4	25.0
Isooctane	Qua		0.5152	0.1000	19.0	20.0	-4.9	25.0
Isopropyl acetate	Ave	0.0882	0.0997*	0.1000	19.8	20.0	13.0	25.0
Tert-amyl methyl ether	Ave	0.7562	0.7827	0.1000	20.6	20.0	3.5	25.0
n-Heptane	Ave	0.1627	0.1795	0.1000	22.2	20.0	10.3	25.0
Trichloroethene	Ave	0.2545	0.2478	0.1000	19.6	20.0	-2.6	25.0
n-Butanol	Ave	0.2409	0.1910	0.1000	311	500	-20.7	25.0
Ethyl acrylate	Ave	0.3064	0.2614	0.1000	18.0	20.0	-14.7	25.0
Methylcyclohexane	Ave	0.2531	0.2767	0.1000	21.3	20.0	9.3	25.0
1,2-Dichloropropane	Ave	0.2743	0.2856	0.1000	20.5	20.0	4.1	25.0
Dibromomethane	Ave	0.1283	0.1351	0.1000	21.2	20.0	5.3	25.0
1,4-Dioxane	Ave	0.9592	0.9849	0.1000	390	400	2.7	25.0
Methyl methacrylate	Ave	0.0615	0.0695*	0.1000	40.0	40.0	13.1	25.0
n-Propyl acetate	Lin		0.3167	0.1000	20.9	20.0	4.4	25.0
Dichlorobromomethane	Ave	0.3142	0.3126	0.1000	19.7	20.0	-0.5	25.0
2-Chloroethyl vinyl ether	Ave	0.1509	0.1417	0.1000	15.8	20.0	-6.1	25.0
Epichlorohydrin	QuaF		0.2930	0.1000	20.6	20.0	3.2	25.0
cis-1,3-Dichloropropene	Ave	0.5836	0.6121	0.1000	19.2	20.0	4.9	25.0
4-Methyl-2-pentanone (MIBK)	Ave	2.396	2.406	0.1000	89.2	100	0.4	25.0
Toluene	Ave	1.472	1.557	0.1000	20.2	20.0	5.8	25.0
trans-1,3-Dichloropropene	Ave	0.5064	0.5283	0.1000	19.3	20.0	4.3	25.0
Ethyl methacrylate	Lin		0.4359	0.1000	19.4	20.0	-2.9	25.0
1,1,2-Trichloroethane	Ave	0.2479	0.2765	0.1000	20.8	20.0	11.5	25.0
Tetrachloroethene	Ave	0.2939	0.3156	0.1000	19.9	20.0	7.4	25.0
1,3-Dichloropropane	Ave	0.5377	0.5846	0.1000	20.6	20.0	8.7	25.0
2-Hexanone	Lin		1.476	0.1000	83.7	100	-16.3	25.0
Chlorodibromomethane	Ave	0.3163	0.3311	0.1000	19.3	20.0	4.7	25.0
Ethylene Dibromide	Ave	0.2873	0.3144	0.1000	20.0	20.0	9.4	25.0
n-Butyl acetate	QuaF		0.3927	0.1000	19.3	20.0	-3.7	25.0
Chlorobenzene	Ave	0.9110	0.9877	0.1000	20.6	20.0	8.4	25.0
1,1,1,2-Tetrachloroethane	Ave	0.3034	0.3242	0.1000	20.5	20.0	6.9	25.0
Ethylbenzene	Ave	0.4816	0.5089	0.1000	20.2	20.0	5.7	25.0
m-Xylene & p-Xylene	Ave	0.5934	0.6292	0.1000	19.7	20.0	6.0	25.0
o-Xylene	Ave	0.5995	0.6098	0.1000	19.2	20.0	1.7	25.0
Styrene	Ave	0.9608	1.007	0.1000	18.6	20.0	4.8	25.0
n-Butyl acrylate	Ave	0.2220	0.2321	0.1000	18.6	20.0	4.6	25.0
Bromoform	Ave	0.2026	0.2082	0.1000	19.3	20.0	2.8	25.0
Amyl acetate (mixed isomers)	Ave	0.8842	0.8860	0.1000	18.9	20.0	0.2	25.0
Isopropylbenzene	Ave	1.305	1.319	0.1000	19.2	20.0	1.1	25.0
Bromobenzene	Ave	0.6839	0.7365	0.1000	20.8	20.0	7.7	25.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-260852-1

SDG No.:

Lab Sample ID: ICV 460-852547/17 Calibration Date: 06/29/2022 09:11

Instrument ID: CVOAMS12 Calib Start Date: 06/29/2022 03:18

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 06/29/2022 05:49

Lab File ID: O78566.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,1,2,2-Tetrachloroethane	Ave	0.7090	0.8078	0.1000	22.8	20.0	13.9	25.0
1,2,3-Trichloropropane	Ave	0.5847	0.6194	0.1000	22.3	20.0	5.9	25.0
trans-1,4-Dichloro-2-butene	Ave	0.2999	0.3049	0.1000	20.0	20.0	1.7	25.0
N-Propylbenzene	Ave	2.413	2.612	0.1000	20.1	20.0	8.3	25.0
2-Chlorotoluene	Ave	1.803	1.920	0.1000	20.2	20.0	6.5	25.0
4-Chlorotoluene	Ave	1.748	2.234	0.1000	20.9	20.0	27.8*	25.0
1,3,5-Trimethylbenzene	Ave	1.770	1.794	0.1000	19.6	20.0	1.4	25.0
Butyl Methacrylate	LinF		0.6451	0.1000	16.7	20.0	-16.7	25.0
tert-Butylbenzene	Ave	1.401	1.443	0.1000	19.3	20.0	2.9	25.0
1,2,4-Trimethylbenzene	Ave	1.688	1.730	0.1000	19.2	20.0	2.5	25.0
sec-Butylbenzene	Ave	1.889	1.864	0.1000	18.5	20.0	-1.3	25.0
1,3-Dichlorobenzene	Ave	1.133	1.230	0.1000	19.9	20.0	8.5	25.0
1,4-Dichlorobenzene	Ave	1.270	1.348	0.1000	21.1	20.0	6.1	25.0
4-Isopropyltoluene	Ave	1.518	1.552	0.1000	19.2	20.0	2.2	25.0
1,2,3-Trimethylbenzene	Ave	1.837	1.879	0.1000	19.3	20.0	2.3	25.0
Benzyl chloride	Ave	0.2531	0.3104	0.1000	22.3	20.0	22.6	25.0
1,2-Dichlorobenzene	Ave	1.164	1.301	0.1000	20.9	20.0	11.8	25.0
n-Butylbenzene	Ave	0.6642	0.6632	0.1000	18.4	20.0	-0.1	25.0
1,2-Dibromo-3-Chloropropane	Ave	0.1437	0.1480	0.1000	20.6	20.0	3.0	25.0
1,3,5-Trichlorobenzene	Ave	0.5282	0.5069	0.1000	17.3	20.0	-4.0	25.0
1,2,4-Trichlorobenzene	Ave	0.4869	0.4752	0.1000	18.4	20.0	-2.4	25.0
Hexachlorobutadiene	Ave	0.2336	0.2418	0.1000	21.1	20.0	3.5	25.0
Naphthalene	Ave	1.220	1.238	0.1000	18.6	20.0	1.5	25.0
1,2,3-Trichlorobenzene	Ave	0.4253	0.4178	0.1000	18.3	20.0	-1.8	25.0
Dibromofluoromethane (Surr)	Ave	0.2052	0.2040	0.1000	49.7	50.0	-0.6	25.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2254	0.2227	0.1000	50.0	50.0	-1.2	25.0
Toluene-d8 (Surr)	Ave	1.330	1.390	0.1000	50.2	50.0	4.5	25.0
4-Bromofluorobenzene	Ave	0.3831	0.3936	0.1000	49.1	50.0	2.7	25.0

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS12\20220629-147196.b\O78566.d
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 29-Jun-2022 09:11:30 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICV
Misc. Info.: 460-0147196-017
Operator ID: Instrument ID: CVOAMS12
Sublist:

Method: \\chromfs\Edison\ChromData\CVOAMS12\20220629-147196.b\8260W_12.m
Limit Group: VOA 8260 DEL ICAL
Last Update: 29-Jun-2022 19:58:40 Calib Date: 29-Jun-2022 05:49:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Continuing Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS12\20220629-147196.b\O78558.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1670

First Level Reviewer: NN6A Date: 29-Jun-2022 19:58:40

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Chlorotrifluoroethene	116	0.879	0.879	0.000	87	13412	NC	NC	M
3 Dichlorodifluoromethane	85	0.890	0.890	0.000	98	65090	20.0	21.8	
5 Chlorodifluoromethane	67	0.902	0.901	0.001	96	9217	NC	NC	
6 Chloromethane	50	1.004	1.004	0.000	98	75532	20.0	20.5	
7 Vinyl chloride	62	1.050	1.050	0.000	97	70502	20.0	20.9	
8 Butadiene	54	1.073	1.073	0.000	96	54875	NC	NC	
9 Bromomethane	94	1.221	1.221	0.000	99	37731	20.0	23.6	
10 Chloroethane	64	1.278	1.278	0.000	98	41067	20.0	19.3	
11 Dichlorofluoromethane	67	1.392	1.392	0.000	98	88267	NC	NC	
12 Trichlorofluoromethane	101	1.427	1.427	0.000	99	70606	20.0	20.1	
13 Pentane	57	1.472	1.472	0.000	96	28151	40.0	47.2	
14 Ethanol	46	1.529	1.529	0.000	93	11192	800.0	807.8	
15 Ethyl ether	59	1.587	1.586	0.001	94	47542	20.0	20.8	
16 1,2-Dichloro-1,1,2-trifluoroetha	117	1.587	1.586	0.001	86	43583	NC	NC	
17 2-Methyl-1,3-butadiene	53	1.598	1.598	0.000	94	58772	20.0	21.5	
18 1,1,1-Trifluoro-2,2-dichloroetha	83	1.621	1.621	0.000	95	70039	NC	NC	
19 Acrolein	56	1.655	1.655	0.000	92	10977	40.1	33.5	
20 1,1-Dichloroethene	96	1.724	1.712	0.012	97	54579	20.0	20.6	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	1.724	1.723	0.001	96	49621	20.0	21.7	
22 Acetone	58	1.746	1.746	0.000	88	17896	100.0	87.3	
23 Iodomethane	142	1.815	1.803	0.012	97	61642	20.0	15.2	
24 Isopropyl alcohol	45	1.838	1.838	0.000	51	23396	200.0	178.8	
25 Carbon disulfide	76	1.849	1.849	0.000	98	196631	20.0	20.8	
26 Acetonitrile	38	1.940	1.940	0.000	81	15653	200.0	168.6	
27 3-Chloro-1-propene	76	1.940	1.940	0.000	95	39403	NC	NC	
28 Methyl acetate	43	1.952	1.952	0.000	99	50202	40.0	34.4	
29 Cyclopentene	67	1.998	1.986	0.012	97	143194	NC	NC	
30 Methylene Chloride	84	2.020	2.020	0.000	93	65223	20.0	20.6	
* 31 TBA-d9 (IS)	65	2.032	2.043	-0.011	100	189232	1000.0	1000.0	
32 2-Methyl-2-propanol	59	2.089	2.089	0.000	100	39503	200.0	194.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
33 Acrylonitrile	53	2.169	2.169	0.000	95	175522	200.0	199.4	
34 trans-1,2-Dichloroethene	96	2.192	2.192	0.000	94	56404	20.0	19.9	
35 Methyl tert-butyl ether	73	2.203	2.203	0.000	98	181009	20.0	21.3	
36 Hexane	57	2.397	2.397	0.000	90	59319	20.0	23.3	
37 1,1-Dichloroethane	63	2.488	2.488	0.000	99	101118	20.0	19.7	
38 Vinyl acetate	86	2.534	2.534	0.000	100	25054	40.0	42.0	
39 Isopropyl ether	45	2.557	2.557	0.000	89	208979	20.0	20.5	
40 2-Chloro-1,3-butadiene	88	2.557	2.557	0.000	89	57331	NC	NC	
41 Tert-butyl ethyl ether	59	2.831	2.831	0.000	91	200520	20.0	20.4	
* 43 2-Butanone-d5	46	2.888	2.888	0.000	99	262335	250.0	250.0	
44 2,2-Dichloropropane	97	2.922	2.922	0.000	79	20673	20.0	19.9	
45 cis-1,2-Dichloroethene	96	2.922	2.922	0.000	93	59803	20.0	19.3	
46 2-Butanone (MEK)	72	2.945	2.934	0.011	99	30646	100.0	91.5	
42 Propionitrile	54	2.979	2.979	0.000	98	65614	NC	NC	
47 Ethyl acetate	70	3.002	3.002	0.000	99	13342	40.0	37.4	
48 Methyl acrylate	55	3.037	3.025	0.011	98	56421	NC	NC	
50 Methacrylonitrile	67	3.105	3.105	0.000	90	231662	NC	NC	
49 Chlorobromomethane	128	3.116	3.116	0.000	93	30055	20.0	20.9	
51 Tetrahydrofuran	42	3.162	3.162	0.000	95	26118	40.0	42.0	
52 Chloroform	83	3.185	3.185	0.000	99	93237	20.0	20.5	
$ 53 Dibromofluoromethane (Surr)	113	3.322	3.322	0.000	97	122510	50.0	49.7	
54 1,1,1-Trichloroethane	97	3.345	3.345	0.000	98	82485	20.0	20.1	
55 Cyclohexane	84	3.390	3.390	0.000	90	76470	20.0	21.3	
56 Carbon tetrachloride	117	3.493	3.493	0.000	98	67373	20.0	19.9	
57 1,1-Dichloropropene	75	3.493	3.493	0.000	99	82180	20.0	20.0	
$ 58 1,2-Dichloroethane-d4 (Surr)	65	3.619	3.619	0.000	0	133697	50.0	50.0	
61 Isobutyl alcohol	43	3.642	3.630	0.012	95	44591	NC	NC	a
59 Benzene	78	3.676	3.676	0.000	95	254625	20.0	20.6	
60 1,2-Dichloroethane	62	3.687	3.687	0.000	96	67277	20.0	20.2	
62 Isooctane	57	3.779	3.778	0.001	94	123725	20.0	19.0	
63 Isopropyl acetate	61	3.779	3.778	0.001	95	23939	20.0	19.8	
64 Tert-amyl methyl ether	73	3.801	3.801	0.000	98	187969	20.0	20.6	
* 65 Fluorobenzene	96	3.938	3.938	0.000	99	600409	50.0	50.0	
66 n-Heptane	43	3.973	3.961	0.012	90	43107	20.0	22.2	
67 Trichloroethene	95	4.315	4.304	0.011	98	59521	20.0	19.6	
68 n-Butanol	56	4.349	4.315	0.034	93	18070	500.0	311.4	
69 Ethyl acrylate	55	4.464	4.463	0.001	98	62782	20.0	18.0	
70 Methylcyclohexane	83	4.509	4.509	0.000	94	66455	20.0	21.3	
71 1,2-Dichloropropane	63	4.532	4.532	0.000	94	68584	20.0	20.5	
* 72 1,4-Dioxane-d8	96	4.646	4.646	0.000	0	32662	1000.0	1000.0	
73 Dibromomethane	93	4.646	4.646	0.000	99	32440	20.0	21.2	
74 1,4-Dioxane	88	4.703	4.692	0.011	97	12868	400.0	390.2	
75 Methyl methacrylate	100	4.715	4.703	0.012	89	33381	40.0	40.0	
76 n-Propyl acetate	43	4.795	4.795	0.000	97	76052	20.0	20.9	
77 Dichlorobromomethane	83	4.840	4.840	0.000	99	75075	20.0	19.7	
78 2-Nitropropane	41	5.103	5.103	0.000	94	23255	NC	NC	
79 2-Chloroethyl vinyl ether	63	5.229	5.228	0.001	95	34031	20.0	15.8	
80 Epichlorohydrin	57	5.229	5.263	-0.034	43	6150	20.0	20.6	a
81 cis-1,3-Dichloropropene	75	5.366	5.365	0.001	90	100900	20.0	19.2	
82 4-Methyl-2-pentanone (MIBK)	43	5.582	5.582	0.000	95	252482	100.0	89.2	
$ 83 Toluene-d8 (Surr)	98	5.685	5.685	0.000	99	572632	50.0	50.2	
84 Toluene	91	5.765	5.765	0.000	93	256576	20.0	20.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
85 trans-1,3-Dichloropropene	75	6.073	6.073	0.000	95	87088	20.0	19.3	
86 Ethyl methacrylate	69	6.267	6.256	0.011	89	71848	20.0	19.4	
87 1,1,2-Trichloroethane	83	6.290	6.290	0.000	96	45581	20.0	20.8	
88 Tetrachloroethene	166	6.462	6.461	0.001	96	52018	20.0	19.9	
89 1,3-Dichloropropane	76	6.507	6.507	0.000	92	96360	20.0	20.6	
90 2-Hexanone	43	6.690	6.678	0.012	94	154843	100.0	83.7	
91 Chlorodibromomethane	129	6.793	6.793	0.000	99	54578	20.0	19.3	
93 Ethylene Dibromide	107	6.918	6.918	0.000	99	51825	20.0	20.0	
92 n-Butyl acetate	43	6.930	6.918	0.012	98	64737	20.0	19.3	
* 94 Chlorobenzene-d5	117	7.603	7.603	0.000	86	412083	50.0	50.0	
95 Chlorobenzene	112	7.649	7.649	0.000	95	162799	20.0	20.6	
96 1,1,1,2-Tetrachloroethane	131	7.786	7.786	0.000	94	53445	20.0	20.5	
97 Ethylbenzene	106	7.854	7.854	0.000	97	83882	20.0	20.2	
98 m-Xylene & p-Xylene	106	8.049	8.037	0.012	99	103717	20.0	19.7	
99 o-Xylene	106	8.631	8.619	0.012	94	100513	20.0	19.2	
100 Styrene	104	8.665	8.653	0.012	97	166043	20.0	18.6	
101 n-Butyl acrylate	73	8.734	8.722	0.012	98	38263	20.0	18.6	
102 Bromoform	173	8.871	8.870	0.001	96	34320	20.0	19.3	
103 Amyl acetate (mixed isomers)	43	9.122	9.110	0.012	91	79053	20.0	18.9	
104 Isopropylbenzene	105	9.236	9.236	0.000	96	217422	20.0	19.2	
$ 105 4-Bromofluorobenzene	174	9.430	9.430	0.000	87	162185	50.0	49.1	
106 Bromobenzene	156	9.624	9.613	0.012	99	65717	20.0	20.8	
107 1,1,2,2-Tetrachloroethane	83	9.727	9.727	0.000	99	72081	20.0	22.8	
108 1,2,3-Trichloropropane	75	9.750	9.750	0.000	98	55264	20.0	22.3	
109 trans-1,4-Dichloro-2-butene	75	9.841	9.829	0.012	93	27203	20.0	20.0	
110 N-Propylbenzene	91	9.898	9.898	0.000	100	233100	20.0	20.1	
111 2-Chlorotoluene	91	9.967	9.966	0.001	97	171346	20.0	20.2	
112 4-Ethyltoluene	105	10.104	10.092	0.012	100	200210	NC	NC	
113 4-Chlorotoluene	91	10.161	10.161	0.000	96	199300	20.0	20.9	
114 1,3,5-Trimethylbenzene	105	10.218	10.218	0.000	93	160076	20.0	19.6	
115 Butyl Methacrylate	87	10.503	10.503	0.000	89	57562	20.0	16.7	
116 tert-Butylbenzene	119	10.731	10.720	0.011	95	128727	20.0	19.3	
117 1,2,4-Trimethylbenzene	105	10.811	10.811	0.000	97	154326	20.0	19.2	
118 sec-Butylbenzene	105	11.097	11.097	0.000	99	166363	20.0	18.5	
119 1,3-Dichlorobenzene	146	11.188	11.188	0.000	96	109714	20.0	19.9	
* 120 1,4-Dichlorobenzene-d4	152	11.291	11.279	0.012	95	223070	50.0	50.0	
121 1,4-Dichlorobenzene	146	11.314	11.314	0.000	96	120237	20.0	21.1	
122 4-Isopropyltoluene	119	11.337	11.336	0.001	98	138459	20.0	19.2	
123 1,2,3-Trimethylbenzene	105	11.417	11.416	0.000	98	167694	20.0	19.3	
124 Benzyl chloride	126	11.508	11.508	0.000	99	27692	20.0	22.3	
125 2,3-Dihydroindene	117	11.622	11.622	0.000	94	213415	NC	NC	
126 1,2-Dichlorobenzene	146	11.736	11.736	0.000	96	116119	20.0	20.9	
127 p-Diethylbenzene	119	11.782	11.782	0.000	94	78054	NC	NC	
128 n-Butylbenzene	92	11.805	11.793	0.012	97	59175	20.0	18.4	
129 1,2-Dibromo-3-Chloropropane	157	12.433	12.432	0.001	95	13209	20.0	20.6	
130 1,2,4,5-Tetramethylbenzene	119	12.444	12.444	0.000	97	108512	NC	NC	
131 1,3,5-Trichlorobenzene	180	12.592	12.592	0.000	97	45233	20.0	17.3	
132 1,2,4-Trichlorobenzene	180	13.003	12.992	0.011	92	42400	20.0	18.4	
133 Hexachlorobutadiene	225	13.118	13.118	0.000	98	21573	20.0	21.1	
134 Naphthalene	128	13.140	13.129	0.011	99	110490	20.0	18.6	
135 1,2,3-Trichlorobenzene	180	13.277	13.277	0.000	95	37278	20.0	18.3	
S 137 1,2-Dichloroethene, Total	100				0		40.0	39.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 138 Xylenes, Total	100				0		40.0	38.8	
S 139 Total BTEX	1				0		100.0	99.8	

QC Flag Legend

Processing Flags
NC - Not Calibrated
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

GAS C SP_00468	Amount Added:	20.00	Units: uL	
ACROLEIN SP_00139	Amount Added:	4.00	Units: uL	
8260 SP_00155	Amount Added:	20.00	Units: uL	
8260SURR250_00230	Amount Added:	1.00	Units: uL	
8FreonsSS_00046	Amount Added:	20.00	Units: uL	
8260ISNEW_00171	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 29-Jun-2022 19:58:43 Chrom Revision: 2.3 20-Jun-2022 20:10:40

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS12\20220629-147196.b\O78566.d

Injection Date: 29-Jun-2022 09:11:30 Instrument ID: CVOAMS12 Operator ID:

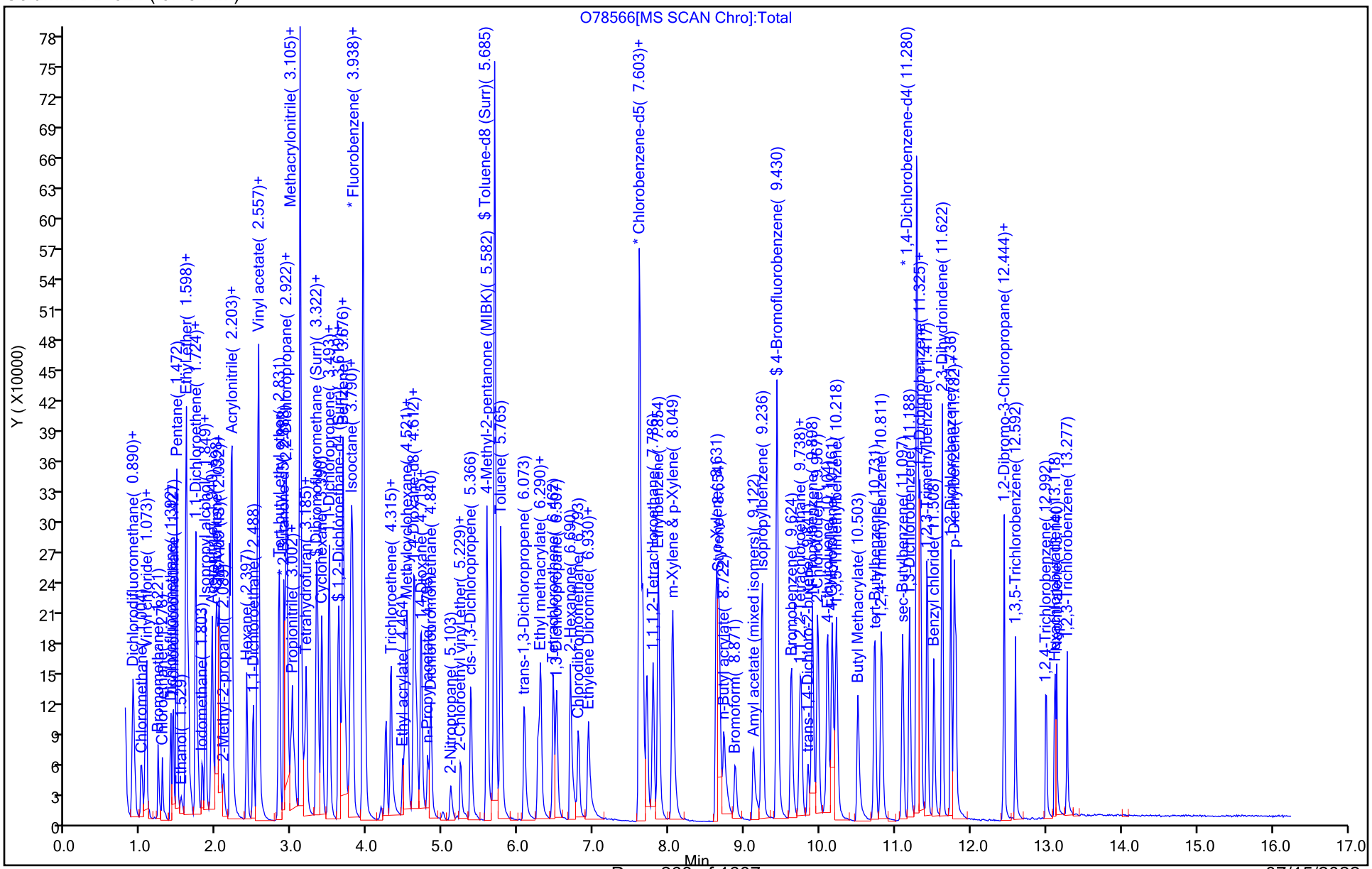
Lims ID: ICV Worklist Smp#: 17

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 16

Method: 8260W_12 Limit Group: VOA 8260 DEL ICAL

Column: DB-624 (0.18 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-260852-1

SDG No.:

Lab Sample ID: CCVIS 460-852635/2 Calibration Date: 06/29/2022 10:11

Instrument ID: CVOAMS12 Calib Start Date: 06/29/2022 03:18

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 06/29/2022 05:49

Lab File ID: O78568.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.2523	0.2303	0.1000	18.3	20.0	-8.7	25.0
Chloromethane	Ave	0.3220	0.3056	0.1000	19.0	20.0	-5.1	25.0
Vinyl chloride	Ave	0.2876	0.2772	0.1000	19.3	20.0	-3.6	25.0
Bromomethane	Ave	0.1693	0.1582	0.1000	18.7	20.0	-6.6	25.0
Chloroethane	Ave	0.1832	0.1694	0.1000	18.5	20.0	-7.5	25.0
Trichlorofluoromethane	Ave	0.2868	0.2888	0.1000	20.1	20.0	0.7	25.0
Pentane	Ave	0.0462	0.0503*	0.1000	43.6	40.0	8.9	25.0
Ethanol	Ave	0.0710	0.0782*	0.1000	881	800	10.2	25.0
Ethyl ether	Ave	0.1954	0.1877	0.1000	19.2	20.0	-3.9	25.0
2-Methyl-1,3-butadiene	Ave	0.2152	0.2299	0.1000	21.4	20.0	6.8	25.0
Acrolein	Ave	1.628	1.542	0.1000	37.9	40.0	-5.3	25.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.1849	0.2024	0.1000	21.9	20.0	9.4	25.0
1,1-Dichloroethene	Ave	0.2126	0.2078	0.1000	19.5	20.0	-2.3	25.0
Acetone	Ave	0.2057	0.1961	0.1000	95.3	100	-4.7	25.0
Iodomethane	Ave	0.2927	0.2822	0.1000	19.3	20.0	-3.6	25.0
Carbon disulfide	Ave	0.7680	0.7653	0.1000	19.9	20.0	-0.3	25.0
Isopropyl alcohol	Ave	0.6464	0.7116	0.1000	220	200	10.1	25.0
Acetonitrile	Ave	0.4306	0.4581	0.1000	213	200	6.4	25.0
Methyl acetate	Ave	6.880	6.689	0.1000	38.9	40.0	-2.8	25.0
Methylene Chloride	Ave	0.2616	0.2595	0.1000	19.8	20.0	-0.8	25.0
2-Methyl-2-propanol	Ave	1.130	1.140	0.1000	202	200	0.9	25.0
Acrylonitrile	Ave	0.0655	0.0728*	0.1000	222	200	11.1	25.0
Methyl tert-butyl ether	Ave	0.7131	0.6927	0.1000	19.4	20.0	-2.9	25.0
trans-1,2-Dichloroethene	Ave	0.2337	0.2223	0.1000	19.0	20.0	-4.9	25.0
Hexane	Ave	0.2043	0.2405	0.1000	23.5	20.0	17.7	25.0
1,1-Dichloroethane	Ave	0.4385	0.4012	0.1000	18.3	20.0	-8.5	25.0
Vinyl acetate	Ave	0.5162	0.5632	0.1000	43.6	40.0	9.1	25.0
Isopropyl ether	Ave	0.8216	0.8566	0.1000	20.9	20.0	4.3	25.0
Tert-butyl ethyl ether	Ave	0.7986	0.8029	0.1000	20.1	20.0	0.5	25.0
2,2-Dichloropropane	Ave	0.0888	0.0850*	0.1000	19.1	20.0	-4.3	25.0
cis-1,2-Dichloroethene	Ave	0.2610	0.2407	0.1000	18.4	20.0	-7.8	25.0
2-Butanone (MEK)	Ave	0.3242	0.3304	0.1000	102	100	1.9	25.0
Ethyl acetate	Ave	0.3279	0.3410	0.1000	41.6	40.0	4.0	25.0
Chlorobromomethane	Ave	0.1138	0.1228	0.1000	21.6	20.0	7.9	25.0
Tetrahydrofuran	Ave	0.6368	0.5744	0.1000	36.1	40.0	-9.8	25.0
Chloroform	Ave	0.3824	0.3738	0.1000	19.6	20.0	-2.2	25.0
1,1,1-Trichloroethane	Ave	0.3319	0.3314	0.1000	20.0	20.0	-0.1	25.0
Cyclohexane	Ave	0.2905	0.3088	0.1000	21.3	20.0	6.3	25.0
1,1-Dichloropropene	Ave	0.3234	0.3405	0.1000	21.1	20.0	5.3	25.0
Carbon tetrachloride	Ave	0.2727	0.2809	0.1000	20.6	20.0	3.0	25.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-260852-1

SDG No.:

Lab Sample ID: CCVIS 460-852635/2 Calibration Date: 06/29/2022 10:11

Instrument ID: CVOAMS12 Calib Start Date: 06/29/2022 03:18

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 06/29/2022 05:49

Lab File ID: O78568.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzene	Ave	1.448	1.429	0.1000	19.7	20.0	-1.4	25.0
1,2-Dichloroethane	Ave	0.2791	0.2693	0.1000	19.3	20.0	-3.5	25.0
Isooctane	Qua		0.7472	0.1000	24.2	20.0	21.0	25.0
Isopropyl acetate	Ave	0.0882	0.0941*	0.1000	21.3	20.0	6.6	25.0
Tert-amyl methyl ether	Ave	0.7562	0.7380	0.1000	19.5	20.0	-2.4	25.0
n-Heptane	Ave	0.1627	0.2184	0.1000	26.9	20.0	34.3*	25.0
Trichloroethene	Ave	0.2545	0.2386	0.1000	18.8	20.0	-6.2	25.0
n-Butanol	Ave	0.2409	0.1717	0.1000	356	500	-28.7*	25.0
Ethyl acrylate	Ave	0.3064	0.2248	0.1000	14.7	20.0	-26.6*	25.0
Methylcyclohexane	Ave	0.2531	0.2877	0.1000	22.7	20.0	13.7	25.0
1,2-Dichloropropane	Ave	0.2743	0.2675	0.1000	19.5	20.0	-2.5	25.0
Dibromomethane	Ave	0.1283	0.1265	0.1000	19.7	20.0	-1.4	25.0
1,4-Dioxane	Ave	0.9592	1.072	0.1000	447	400	11.7	25.0
Methyl methacrylate	Ave	0.0615	0.0681*	0.1000	44.3	40.0	10.8	25.0
n-Propyl acetate	Lin		0.2821	0.1000	19.0	20.0	-4.9	25.0
Dichlorobromomethane	Ave	0.3142	0.2992	0.1000	19.0	20.0	-4.8	25.0
2-Chloroethyl vinyl ether	Ave	0.1509	0.1582	0.1000	21.0	20.0	4.8	25.0
Epichlorohydrin	QuaF		0.2561	0.1000	340	400	-15.0	25.0
cis-1,3-Dichloropropene	Ave	0.5836	0.6045	0.1000	20.7	20.0	3.6	25.0
4-Methyl-2-pentanone (MIBK)	Ave	2.396	2.482	0.1000	104	100	3.6	25.0
Toluene	Ave	1.472	1.471	0.1000	20.0	20.0	-0.0	25.0
trans-1,3-Dichloropropene	Ave	0.5064	0.4958	0.1000	19.6	20.0	-2.1	25.0
Ethyl methacrylate	Lin		0.3993	0.1000	17.9	20.0	-10.4	25.0
1,1,2-Trichloroethane	Ave	0.2479	0.2612	0.1000	21.1	20.0	5.3	25.0
Tetrachloroethene	Ave	0.2939	0.2965	0.1000	20.2	20.0	0.9	25.0
1,3-Dichloropropane	Ave	0.5377	0.5421	0.1000	20.2	20.0	0.8	25.0
2-Hexanone	Lin		1.511	0.1000	88.5	100	-11.5	25.0
Chlorodibromomethane	Ave	0.3163	0.3033	0.1000	19.2	20.0	-4.1	25.0
Ethylene Dibromide	Ave	0.2873	0.2935	0.1000	20.4	20.0	2.1	25.0
n-Butyl acetate	QuaF		0.3320	0.1000	14.7	20.0	-26.3*	25.0
Chlorobenzene	Ave	0.9110	0.9142	0.1000	20.1	20.0	0.4	25.0
1,1,1,2-Tetrachloroethane	Ave	0.3034	0.2868	0.1000	18.9	20.0	-5.5	25.0
Ethylbenzene	Ave	0.4816	0.4679	0.1000	19.4	20.0	-2.8	25.0
m-Xylene & p-Xylene	Ave	0.5934	0.6029	0.1000	20.3	20.0	1.6	25.0
o-Xylene	Ave	0.5995	0.6031	0.1000	20.1	20.0	0.6	25.0
Styrene	Ave	0.9608	0.9896	0.1000	20.6	20.0	3.0	25.0
n-Butyl acrylate	Ave	0.2220	0.2045	0.1000	18.4	20.0	-7.9	25.0
Bromoform	Ave	0.2026	0.1920	0.1000	19.0	20.0	-5.2	25.0
Amyl acetate (mixed isomers)	Ave	0.8842	0.7952	0.1000	18.0	20.0	-10.1	25.0
Isopropylbenzene	Ave	1.305	1.292	0.1000	19.8	20.0	-1.0	25.0
Bromobenzene	Ave	0.6839	0.7014	0.1000	20.5	20.0	2.5	25.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-260852-1

SDG No.:

Lab Sample ID: CCVIS 460-852635/2 Calibration Date: 06/29/2022 10:11

Instrument ID: CVOAMS12 Calib Start Date: 06/29/2022 03:18

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 06/29/2022 05:49

Lab File ID: O78568.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,1,2,2-Tetrachloroethane	Ave	0.7090	0.6931	0.1000	19.6	20.0	-2.2	25.0
1,2,3-Trichloropropane	Ave	0.5847	0.5300	0.1000	18.1	20.0	-9.4	25.0
trans-1,4-Dichloro-2-butene	Ave	0.2999	0.2801	0.1000	18.7	20.0	-6.6	25.0
N-Propylbenzene	Ave	2.413	2.472	0.1000	20.5	20.0	2.4	25.0
2-Chlorotoluene	Ave	1.803	1.777	0.1000	19.7	20.0	-1.4	25.0
4-Chlorotoluene	Ave	1.748	1.969	0.1000	22.5	20.0	12.6	25.0
1,3,5-Trimethylbenzene	Ave	1.770	1.728	0.1000	19.5	20.0	-2.3	25.0
Butyl Methacrylate	LinF		0.6412	0.1000	14.6	20.0	-26.9*	25.0
tert-Butylbenzene	Ave	1.401	1.407	0.1000	20.1	20.0	0.4	25.0
1,2,4-Trimethylbenzene	Ave	1.688	1.630	0.1000	19.3	20.0	-3.5	25.0
sec-Butylbenzene	Ave	1.889	1.907	0.1000	20.2	20.0	0.9	25.0
1,3-Dichlorobenzene	Ave	1.133	1.169	0.1000	20.6	20.0	3.2	25.0
1,4-Dichlorobenzene	Ave	1.270	1.248	0.1000	19.6	20.0	-1.8	25.0
4-Isopropyltoluene	Ave	1.518	1.566	0.1000	20.6	20.0	3.1	25.0
1,2,3-Trimethylbenzene	Ave	1.837	1.795	0.1000	19.5	20.0	-2.3	25.0
Benzyl chloride	Ave	0.2531	0.2732	0.1000	21.6	20.0	8.0	25.0
1,2-Dichlorobenzene	Ave	1.164	1.182	0.1000	20.3	20.0	1.5	25.0
n-Butylbenzene	Ave	0.6642	0.6908	0.1000	20.8	20.0	4.0	25.0
1,2-Dibromo-3-Chloropropane	Ave	0.1437	0.1335	0.1000	18.6	20.0	-7.1	25.0
1,3,5-Trichlorobenzene	Ave	0.5282	0.5533	0.1000	20.9	20.0	4.7	25.0
1,2,4-Trichlorobenzene	Ave	0.4869	0.4709	0.1000	19.3	20.0	-3.3	25.0
Hexachlorobutadiene	Ave	0.2336	0.2626	0.1000	22.5	20.0	12.4	25.0
Naphthalene	Ave	1.220	1.238	0.1000	20.3	20.0	1.4	25.0
1,2,3-Trichlorobenzene	Ave	0.4253	0.4447	0.1000	20.9	20.0	4.6	25.0
Dibromofluoromethane (Surr)	Ave	0.2052	0.2029	0.1000	49.4	50.0	-1.1	25.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2254	0.2329	0.1000	51.7	50.0	3.3	25.0
Toluene-d8 (Surr)	Ave	1.330	1.371	0.1000	51.5	50.0	3.1	25.0
4-Bromofluorobenzene	Ave	0.3831	0.3983	0.1000	52.0	50.0	4.0	25.0

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS12\20220629-147223.b\O78568.d
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 29-Jun-2022 10:11:30 ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 460-0147223-002
Operator ID: Instrument ID: CVOAMS12
Sublist: chrom-8260W_12*sub26

Method: \\chromfs\Edison\ChromData\CVOAMS12\20220629-147223.b\8260W_12.m
Limit Group: VOA 8260 DEL ICAL
Last Update: 30-Jun-2022 14:53:31 Calib Date: 29-Jun-2022 05:49:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Continuing Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS12\20220629-147196.b\O78558.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1621

First Level Reviewer: RD6L Date: 29-Jun-2022 10:51:20

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Chlorotrifluoroethene	116	0.878	0.878	0.000	86	18754	NC	NC	
3 Dichlorodifluoromethane	85	0.890	0.890	0.000	99	55664	20.0	18.3	
5 Chlorodifluoromethane	67	0.901	0.901	0.000	97	10848	NC	NC	
6 Chloromethane	50	0.993	0.993	0.000	98	73871	20.0	19.0	
7 Vinyl chloride	62	1.050	1.050	0.000	97	67018	20.0	19.3	
8 Butadiene	54	1.073	1.073	0.000	96	57354	NC	NC	
9 Bromomethane	94	1.221	1.221	0.000	99	38240	20.0	18.7	
10 Chloroethane	64	1.278	1.278	0.000	99	40940	20.0	18.5	
11 Dichlorofluoromethane	67	1.392	1.392	0.000	99	93549	NC	NC	
12 Trichlorofluoromethane	101	1.427	1.427	0.000	98	69810	20.0	20.1	
13 Pentane	57	1.472	1.472	0.000	96	24333	40.0	43.6	
14 Ethanol	46	1.529	1.529	0.000	93	11347	800.0	881.3	
15 Ethyl ether	59	1.586	1.586	0.000	96	45379	20.0	19.2	
16 1,2-Dichloro-1,1,2-trifluoroetha	117	1.586	1.586	0.000	89	42365	NC	NC	
17 2-Methyl-1,3-butadiene	53	1.598	1.598	0.000	94	55573	20.0	21.4	
18 1,1,1-Trifluoro-2,2-dichloroetha	83	1.632	1.632	0.000	97	70791	NC	NC	
19 Acrolein	56	1.666	1.666	0.000	91	11184	40.0	37.9	
20 1,1-Dichloroethene	96	1.723	1.723	0.000	98	50224	20.0	19.5	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	1.723	1.723	0.000	96	48921	20.0	21.9	
22 Acetone	58	1.746	1.746	0.000	89	19492	100.0	95.3	
23 Iodomethane	142	1.815	1.815	0.000	96	68208	20.0	19.3	
24 Isopropyl alcohol	45	1.849	1.849	0.000	29	25798	200.0	220.2	
25 Carbon disulfide	76	1.849	1.849	0.000	99	184999	20.0	19.9	
26 Acetonitrile	38	1.940	1.940	0.000	80	16609	200.0	212.8	
27 3-Chloro-1-propene	76	1.940	1.940	0.000	95	39763	NC	NC	
28 Methyl acetate	43	1.952	1.952	0.000	98	48503	40.0	38.9	
29 Cyclopentene	67	1.997	1.997	0.000	96	140532	NC	NC	
30 Methylene Chloride	84	2.020	2.020	0.000	91	62722	20.0	19.8	
* 31 TBA-d9 (IS)	65	2.043	2.043	0.000	99	181267	1000.0	1000.0	
32 2-Methyl-2-propanol	59	2.089	2.089	0.000	99	41331	200.0	201.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
33 Acrylonitrile	53	2.169	2.169	0.000	96	175949	200.0	222.3	
34 trans-1,2-Dichloroethene	96	2.203	2.203	0.000	95	53741	20.0	19.0	
35 Methyl tert-butyl ether	73	2.203	2.203	0.000	97	167441	20.0	19.4	
36 Hexane	57	2.397	2.397	0.000	91	58125	20.0	23.5	
37 1,1-Dichloroethane	63	2.488	2.488	0.000	99	96984	20.0	18.3	
38 Vinyl acetate	86	2.534	2.534	0.000	100	22390	40.0	43.6	
39 Isopropyl ether	45	2.557	2.557	0.000	89	207065	20.0	20.9	
40 2-Chloro-1,3-butadiene	88	2.557	2.557	0.000	89	60365	NC	NC	
41 Tert-butyl ethyl ether	59	2.831	2.831	0.000	89	194089	20.0	20.1	
* 43 2-Butanone-d5	46	2.888	2.888	0.000	99	248456	250.0	250.0	
44 2,2-Dichloropropane	97	2.922	2.922	0.000	88	20551	20.0	19.1	
45 cis-1,2-Dichloroethene	96	2.922	2.922	0.000	93	58187	20.0	18.4	
46 2-Butanone (MEK)	72	2.945	2.945	0.000	100	32835	100.0	101.9	
42 Propionitrile	54	2.991	2.991	0.000	97	60481	NC	NC	
47 Ethyl acetate	70	3.002	3.002	0.000	99	13556	40.0	41.6	
48 Methyl acrylate	55	3.036	3.036	0.000	99	53788	NC	NC	
50 Methacrylonitrile	67	3.105	3.105	0.000	90	223798	NC	NC	
49 Chlorobromomethane	128	3.116	3.116	0.000	92	29689	20.0	21.6	
51 Tetrahydrofuran	42	3.162	3.162	0.000	80	22836	40.0	36.1	
52 Chloroform	83	3.185	3.185	0.000	99	90362	20.0	19.6	
$ 53 Dibromofluoromethane (Surr)	113	3.322	3.322	0.000	96	122618	50.0	49.4	
54 1,1,1-Trichloroethane	97	3.345	3.345	0.000	98	80120	20.0	20.0	
55 Cyclohexane	84	3.390	3.390	0.000	90	74653	20.0	21.3	
56 Carbon tetrachloride	117	3.493	3.493	0.000	97	67890	20.0	20.6	
57 1,1-Dichloropropene	75	3.493	3.493	0.000	99	82303	20.0	21.1	
61 Isobutyl alcohol	43	3.641	3.641	0.000	90	42214	NC	NC	a
$ 58 1,2-Dichloroethane-d4 (Surr)	65	3.619	3.619	0.000	0	140722	50.0	51.7	
59 Benzene	78	3.676	3.676	0.000	95	243483	20.0	19.7	
60 1,2-Dichloroethane	62	3.687	3.687	0.000	97	65108	20.0	19.3	
63 Isopropyl acetate	61	3.778	3.778	0.000	97	22738	20.0	21.3	
62 Isooctane	57	3.778	3.778	0.000	95	180621	20.0	24.2	
64 Tert-amyl methyl ether	73	3.801	3.801	0.000	98	178402	20.0	19.5	
* 65 Fluorobenzene	96	3.938	3.938	0.000	99	604318	50.0	50.0	
66 n-Heptane	43	3.972	3.972	0.000	89	52800	20.0	26.9	
67 Trichloroethene	95	4.315	4.315	0.000	97	57682	20.0	18.8	
68 n-Butanol	56	4.372	4.372	0.000	80	15566	500.0	356.5	
69 Ethyl acrylate	55	4.475	4.475	0.000	97	54342	20.0	14.7	a
70 Methylcyclohexane	83	4.509	4.509	0.000	93	69537	20.0	22.7	
71 1,2-Dichloropropane	63	4.532	4.532	0.000	93	64663	20.0	19.5	
* 72 1,4-Dioxane-d8	96	4.646	4.646	0.000	0	30285	1000.0	1000.0	
73 Dibromomethane	93	4.657	4.657	0.000	98	30580	20.0	19.7	
74 1,4-Dioxane	88	4.703	4.703	0.000	28	12983	400.0	446.9	
75 Methyl methacrylate	100	4.715	4.715	0.000	88	32931	40.0	44.3	
76 n-Propyl acetate	43	4.806	4.806	0.000	98	68196	20.0	19.0	
77 Dichlorobromomethane	83	4.840	4.840	0.000	99	72326	20.0	19.0	
78 2-Nitropropane	41	5.103	5.103	0.000	96	25343	NC	NC	
79 2-Chloroethyl vinyl ether	63	5.228	5.228	0.000	94	38338	20.0	21.0	
80 Epichlorohydrin	57	5.274	5.274	0.000	99	101791	400.0	339.9	
81 cis-1,3-Dichloropropene	75	5.365	5.365	0.000	90	103014	20.0	20.7	
82 4-Methyl-2-pentanone (MIBK)	43	5.582	5.582	0.000	96	246710	100.0	103.6	
$ 83 Toluene-d8 (Surr)	98	5.685	5.685	0.000	99	584156	50.0	51.5	
84 Toluene	91	5.765	5.765	0.000	93	250697	20.0	20.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
85 trans-1,3-Dichloropropene	75	6.085	6.085	0.000	96	84496	20.0	19.6	
86 Ethyl methacrylate	69	6.267	6.267	0.000	87	68056	20.0	17.9	a
87 1,1,2-Trichloroethane	83	6.302	6.302	0.000	95	44511	20.0	21.1	
88 Tetrachloroethene	166	6.461	6.461	0.000	97	50529	20.0	20.2	
89 1,3-Dichloropropane	76	6.507	6.507	0.000	93	92389	20.0	20.2	
90 2-Hexanone	43	6.690	6.690	0.000	95	150171	100.0	88.5	
91 Chlorodibromomethane	129	6.804	6.804	0.000	97	51689	20.0	19.2	
93 Ethylene Dibromide	107	6.929	6.929	0.000	98	50016	20.0	20.4	
92 n-Butyl acetate	43	6.941	6.941	0.000	98	56589	20.0	14.7	
* 94 Chlorobenzene-d5	117	7.614	7.614	0.000	88	426058	50.0	50.0	
95 Chlorobenzene	112	7.649	7.649	0.000	96	155803	20.0	20.1	
96 1,1,1,2-Tetrachloroethane	131	7.786	7.786	0.000	97	48871	20.0	18.9	
97 Ethylbenzene	106	7.854	7.854	0.000	98	79737	20.0	19.4	
98 m-Xylene & p-Xylene	106	8.048	8.048	0.000	100	102753	20.0	20.3	
99 o-Xylene	106	8.631	8.631	0.000	94	102780	20.0	20.1	
100 Styrene	104	8.665	8.665	0.000	97	168650	20.0	20.6	
101 n-Butyl acrylate	73	8.733	8.733	0.000	97	34850	20.0	18.4	
102 Bromoform	173	8.882	8.882	0.000	98	32714	20.0	19.0	
103 Amyl acetate (mixed isomers)	43	9.122	9.122	0.000	92	74361	20.0	18.0	
104 Isopropylbenzene	105	9.236	9.236	0.000	95	220147	20.0	19.8	
$ 105 4-Bromofluorobenzene	174	9.430	9.430	0.000	88	169706	50.0	52.0	
106 Bromobenzene	156	9.624	9.624	0.000	98	65586	20.0	20.5	
107 1,1,2,2-Tetrachloroethane	83	9.738	9.738	0.000	99	64818	20.0	19.6	
108 1,2,3-Trichloropropane	75	9.749	9.761	-0.012	98	49559	20.0	18.1	
109 trans-1,4-Dichloro-2-butene	75	9.841	9.841	0.000	92	26190	20.0	18.7	
110 N-Propylbenzene	91	9.898	9.898	0.000	99	231116	20.0	20.5	
111 2-Chlorotoluene	91	9.966	9.966	0.000	97	166169	20.0	19.7	
112 4-Ethyltoluene	105	10.103	10.103	0.000	100	204404	NC	NC	
113 4-Chlorotoluene	91	10.160	10.160	0.000	97	184118	20.0	22.5	
114 1,3,5-Trimethylbenzene	105	10.218	10.218	0.000	93	161615	20.0	19.5	
115 Butyl Methacrylate	87	10.503	10.503	0.000	88	59956	20.0	14.6	
116 tert-Butylbenzene	119	10.731	10.731	0.000	94	131610	20.0	20.1	
117 1,2,4-Trimethylbenzene	105	10.823	10.823	0.000	97	152393	20.0	19.3	
118 sec-Butylbenzene	105	11.097	11.097	0.000	99	178310	20.0	20.2	
119 1,3-Dichlorobenzene	146	11.188	11.188	0.000	96	109297	20.0	20.6	
* 120 1,4-Dichlorobenzene-d4	152	11.291	11.291	0.000	94	233781	50.0	50.0	
121 1,4-Dichlorobenzene	146	11.314	11.314	0.000	96	116665	20.0	19.6	
122 4-Isopropyltoluene	119	11.336	11.336	0.000	98	146421	20.0	20.6	
123 1,2,3-Trimethylbenzene	105	11.416	11.416	0.000	98	167832	20.0	19.5	
124 Benzyl chloride	126	11.519	11.519	0.000	99	25552	20.0	21.6	
125 2,3-Dihydroindene	117	11.622	11.622	0.000	95	211057	NC	NC	
126 1,2-Dichlorobenzene	146	11.736	11.736	0.000	96	110519	20.0	20.3	
127 p-Diethylbenzene	119	11.782	11.782	0.000	94	74164	NC	NC	
128 n-Butylbenzene	92	11.804	11.804	0.000	97	64595	20.0	20.8	
129 1,2-Dibromo-3-Chloropropane	157	12.432	12.432	0.000	97	12483	20.0	18.6	
130 1,2,4,5-Tetramethylbenzene	119	12.444	12.444	0.000	98	118457	NC	NC	
131 1,3,5-Trichlorobenzene	180	12.592	12.592	0.000	98	51739	20.0	20.9	
132 1,2,4-Trichlorobenzene	180	13.003	13.003	0.000	95	44039	20.0	19.3	
133 Hexachlorobutadiene	225	13.117	13.117	0.000	98	24560	20.0	22.5	
134 Naphthalene	128	13.140	13.140	0.000	99	115739	20.0	20.3	
135 1,2,3-Trichlorobenzene	180	13.289	13.289	0.000	97	41588	20.0	20.9	
S 137 1,2-Dichloroethene, Total	100				0		40.0	37.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 138 Xylenes, Total	100				0		40.0	40.4	
S 139 Total BTEX	1				0		100.0	99.6	

QC Flag Legend

Processing Flags
NC - Not Calibrated
Review Flags
a - User Assigned ID

Reagents:

8260SURR250_00230	Amount Added:	1.00	Units: uL	
ACROLEIN W_00141	Amount Added:	4.00	Units: uL	
8260MIX1COMB_00155	Amount Added:	20.00	Units: uL	
GASES Li_00482	Amount Added:	20.00	Units: uL	
524freon_00054	Amount Added:	20.00	Units: uL	
8260ISNEW_00171	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 30-Jun-2022 14:53:33 Chrom Revision: 2.3 20-Jun-2022 20:10:40

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS12\20220629-147223.b\O78568.d

Injection Date: 29-Jun-2022 10:11:30 Instrument ID: CVOAMS12 Operator ID:

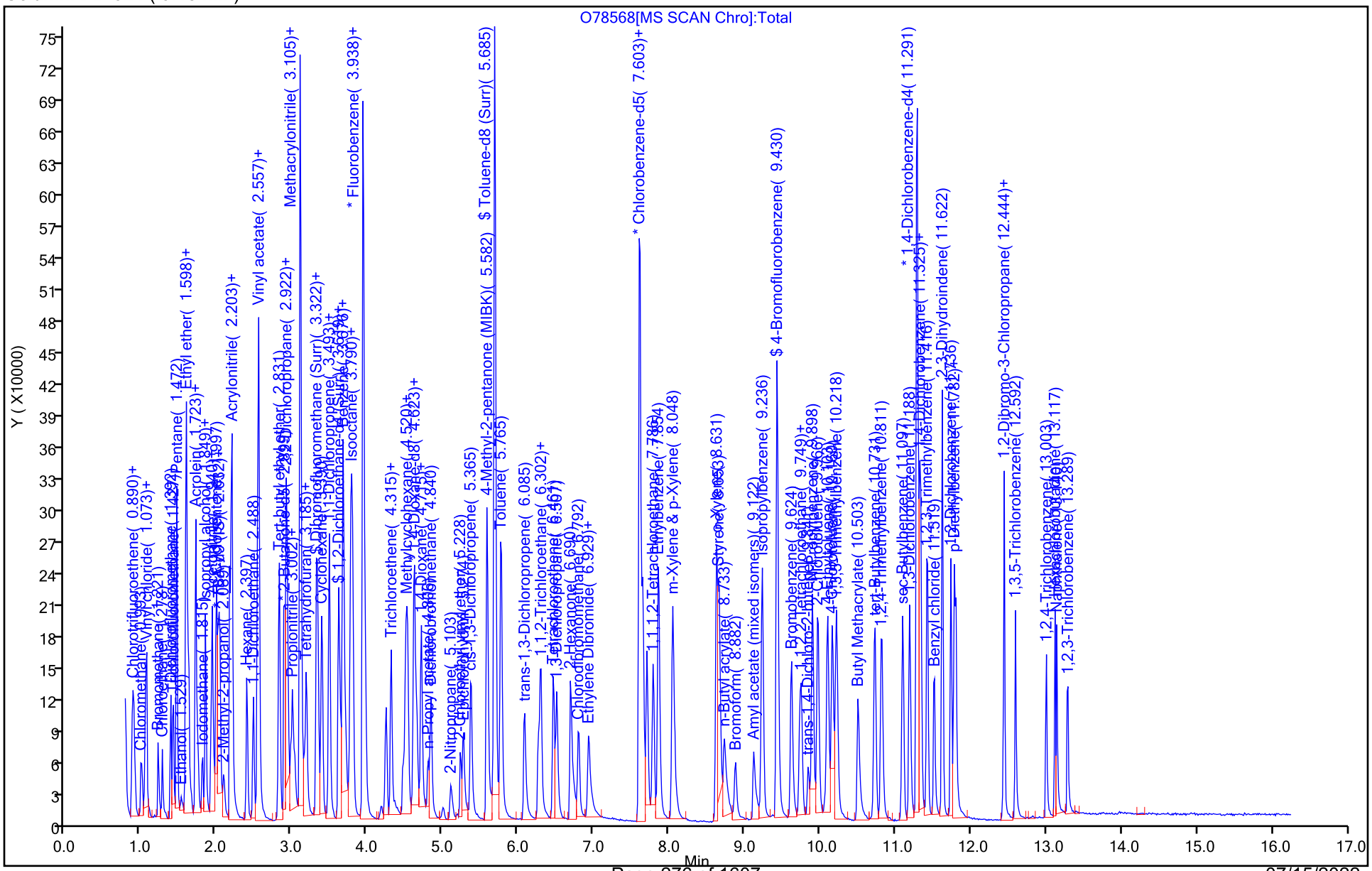
Lims ID: CCVIS Worklist Smp#: 2

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 1

Method: 8260W_12 Limit Group: VOA 8260 DEL ICAL

Column: DB-624 (0.18 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-260852-1

SDG No.:

Lab Sample ID: CCV 460-852635/28 Calibration Date: 06/29/2022 21:07

Instrument ID: CVOAMS12 Calib Start Date: 06/29/2022 03:18

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 06/29/2022 05:49

Lab File ID: O78594.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.2523	0.2209	0.1000	17.5	20.0	-12.5	25.0
Chloromethane	Ave	0.3220	0.2883	0.1000	17.9	20.0	-10.5	25.0
Vinyl chloride	Ave	0.2876	0.2675	0.1000	18.6	20.0	-7.0	25.0
Bromomethane	Ave	0.1693	0.1462	0.1000	17.3	20.0	-13.7	25.0
Chloroethane	Ave	0.1832	0.1748	0.1000	19.1	20.0	-4.6	25.0
Trichlorofluoromethane	Ave	0.2868	0.2869	0.1000	20.0	20.0	0.0	25.0
Pentane	Ave	0.0462	0.0477*	0.1000	41.3	40.0	3.3	25.0
Ethanol	Ave	0.0710	0.0797*	0.1000	897	800	12.2	25.0
Ethyl ether	Ave	0.1954	0.1891	0.1000	19.4	20.0	-3.2	25.0
2-Methyl-1,3-butadiene	Ave	0.2152	0.2185	0.1000	20.3	20.0	1.5	25.0
Acrolein	Ave	1.628	1.462	0.1000	35.9	40.0	-10.2	25.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.1849	0.1920	0.1000	20.8	20.0	3.8	25.0
1,1-Dichloroethene	Ave	0.2126	0.2091	0.1000	19.7	20.0	-1.7	25.0
Acetone	Ave	0.2057	0.1879	0.1000	91.3	100	-8.7	25.0
Iodomethane	Ave	0.2927	0.2824	0.1000	19.3	20.0	-3.5	25.0
Carbon disulfide	Ave	0.7680	0.7184	0.1000	18.7	20.0	-6.5	25.0
Isopropyl alcohol	Ave	0.6464	0.7043	0.1000	218	200	9.0	25.0
Acetonitrile	Ave	0.4306	0.3662	0.1000	170	200	-15.0	25.0
Methyl acetate	Ave	6.880	6.242	0.1000	36.3	40.0	-9.3	25.0
Methylene Chloride	Ave	0.2616	0.2509	0.1000	19.2	20.0	-4.1	25.0
2-Methyl-2-propanol	Ave	1.130	1.126	0.1000	199	200	-0.4	25.0
Acrylonitrile	Ave	0.0655	0.0722*	0.1000	221	200	10.3	25.0
trans-1,2-Dichloroethene	Ave	0.2337	0.2143	0.1000	18.3	20.0	-8.3	25.0
Methyl tert-butyl ether	Ave	0.7131	0.6981	0.1000	19.6	20.0	-2.1	25.0
Hexane	Ave	0.2043	0.2010	0.1000	19.7	20.0	-1.6	25.0
1,1-Dichloroethane	Ave	0.4385	0.3907	0.1000	17.8	20.0	-10.9	25.0
Vinyl acetate	Ave	0.5162	0.5553	0.1000	43.0	40.0	7.6	25.0
Isopropyl ether	Ave	0.8216	0.8187	0.1000	19.9	20.0	-0.4	25.0
Tert-butyl ethyl ether	Ave	0.7986	0.7854	0.1000	19.7	20.0	-1.7	25.0
2,2-Dichloropropane	Ave	0.0888	0.0693*	0.1000	15.6	20.0	-22.0	25.0
cis-1,2-Dichloroethene	Ave	0.2610	0.2331	0.1000	17.9	20.0	-10.7	25.0
2-Butanone (MEK)	Ave	0.3242	0.2959	0.1000	91.3	100	-8.7	25.0
Ethyl acetate	Ave	0.3279	0.3205	0.1000	39.1	40.0	-2.3	25.0
Chlorobromomethane	Ave	0.1138	0.1186	0.1000	20.8	20.0	4.2	25.0
Tetrahydrofuran	Ave	0.6368	0.5648	0.1000	35.5	40.0	-11.3	25.0
Chloroform	Ave	0.3824	0.3625	0.1000	19.0	20.0	-5.2	25.0
1,1,1-Trichloroethane	Ave	0.3319	0.3100	0.1000	18.7	20.0	-6.6	25.0
Cyclohexane	Ave	0.2905	0.2906	0.1000	20.0	20.0	0.0	25.0
1,1-Dichloropropene	Ave	0.3234	0.3214	0.1000	19.9	20.0	-0.6	25.0
Carbon tetrachloride	Ave	0.2727	0.2594	0.1000	19.0	20.0	-4.9	25.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-260852-1

SDG No.:

Lab Sample ID: CCV 460-852635/28 Calibration Date: 06/29/2022 21:07

Instrument ID: CVOAMS12 Calib Start Date: 06/29/2022 03:18

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 06/29/2022 05:49

Lab File ID: O78594.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzene	Ave	1.448	1.443	0.1000	19.9	20.0	-0.3	25.0
1,2-Dichloroethane	Ave	0.2791	0.2583	0.1000	18.5	20.0	-7.5	25.0
Isooctane	Qua		0.4539	0.1000	12.1	20.0	-39.7*	25.0
Isopropyl acetate	Ave	0.0882	0.0928*	0.1000	21.0	20.0	5.2	25.0
Tert-amyl methyl ether	Ave	0.7562	0.7318	0.1000	19.4	20.0	-3.2	25.0
n-Heptane	Ave	0.1627	0.1471	0.1000	18.1	20.0	-9.6	25.0
Trichloroethene	Ave	0.2545	0.2316	0.1000	18.2	20.0	-9.0	25.0
n-Butanol	Ave	0.2409	0.1884	0.1000	391	500	-21.8	25.0
Ethyl acrylate	Ave	0.3064	0.2302	0.1000	15.0	20.0	-24.9	25.0
Methylcyclohexane	Ave	0.2531	0.2493	0.1000	19.7	20.0	-1.5	25.0
1,2-Dichloropropane	Ave	0.2743	0.2614	0.1000	19.1	20.0	-4.7	25.0
Dibromomethane	Ave	0.1283	0.1240	0.1000	19.3	20.0	-3.3	25.0
1,4-Dioxane	Ave	0.9592	1.079	0.1000	450	400	12.5	25.0
Methyl methacrylate	Ave	0.0615	0.0626*	0.1000	40.7	40.0	1.8	25.0
n-Propyl acetate	Lin		0.2977	0.1000	20.0	20.0	-0.1	25.0
Dichlorobromomethane	Ave	0.3142	0.2855	0.1000	18.2	20.0	-9.1	25.0
2-Chloroethyl vinyl ether	Ave	0.1509	0.1572	0.1000	20.9	20.0	4.2	25.0
Epichlorohydrin	QuaF		0.2418	0.1000	321	400	-19.8	25.0
cis-1,3-Dichloropropene	Ave	0.5836	0.5675	0.1000	19.4	20.0	-2.8	25.0
4-Methyl-2-pentanone (MIBK)	Ave	2.396	2.257	0.1000	94.2	100	-5.8	25.0
Toluene	Ave	1.472	1.449	0.1000	19.7	20.0	-1.5	25.0
trans-1,3-Dichloropropene	Ave	0.5064	0.4752	0.1000	18.8	20.0	-6.2	25.0
Ethyl methacrylate	Lin		0.4039	0.1000	18.1	20.0	-9.4	25.0
1,1,2-Trichloroethane	Ave	0.2479	0.2561	0.1000	20.7	20.0	3.3	25.0
Tetrachloroethene	Ave	0.2939	0.2858	0.1000	19.4	20.0	-2.8	25.0
1,3-Dichloropropane	Ave	0.5377	0.5423	0.1000	20.2	20.0	0.9	25.0
2-Hexanone	Lin		1.404	0.1000	82.4	100	-17.6	25.0
Chlorodibromomethane	Ave	0.3163	0.3042	0.1000	19.2	20.0	-3.8	25.0
Ethylene Dibromide	Ave	0.2873	0.2993	0.1000	20.8	20.0	4.1	25.0
n-Butyl acetate	QuaF		0.3252	0.1000	14.4	20.0	-27.8*	25.0
Chlorobenzene	Ave	0.9110	0.9030	0.1000	19.8	20.0	-0.9	25.0
1,1,1,2-Tetrachloroethane	Ave	0.3034	0.2892	0.1000	19.1	20.0	-4.7	25.0
Ethylbenzene	Ave	0.4816	0.4677	0.1000	19.4	20.0	-2.9	25.0
m-Xylene & p-Xylene	Ave	0.5934	0.5916	0.1000	19.9	20.0	-0.3	25.0
o-Xylene	Ave	0.5995	0.5735	0.1000	19.1	20.0	-4.3	25.0
Styrene	Ave	0.9608	0.9637	0.1000	20.1	20.0	0.3	25.0
n-Butyl acrylate	Ave	0.2220	0.2015	0.1000	18.2	20.0	-9.2	25.0
Bromoform	Ave	0.2026	0.1884	0.1000	18.6	20.0	-7.0	25.0
Amyl acetate (mixed isomers)	Ave	0.8842	0.7683	0.1000	17.4	20.0	-13.1	25.0
Isopropylbenzene	Ave	1.305	1.223	0.1000	18.7	20.0	-6.3	25.0
Bromobenzene	Ave	0.6839	0.6847	0.1000	20.0	20.0	0.1	25.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-260852-1

SDG No.:

Lab Sample ID: CCV 460-852635/28 Calibration Date: 06/29/2022 21:07

Instrument ID: CVOAMS12 Calib Start Date: 06/29/2022 03:18

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 06/29/2022 05:49

Lab File ID: O78594.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,1,2,2-Tetrachloroethane	Ave	0.7090	0.7405	0.1000	20.9	20.0	4.4	25.0
1,2,3-Trichloropropane	Ave	0.5847	0.5658	0.1000	19.4	20.0	-3.2	25.0
trans-1,4-Dichloro-2-butene	Ave	0.2999	0.2593	0.1000	17.3	20.0	-13.5	25.0
N-Propylbenzene	Ave	2.413	2.445	0.1000	20.3	20.0	1.3	25.0
2-Chlorotoluene	Ave	1.803	1.734	0.1000	19.2	20.0	-3.8	25.0
4-Chlorotoluene	Ave	1.748	1.946	0.1000	22.3	20.0	11.3	25.0
1,3,5-Trimethylbenzene	Ave	1.770	1.692	0.1000	19.1	20.0	-4.4	25.0
Butyl Methacrylate	LinF		0.6147	0.1000	14.0	20.0	-29.9*	25.0
tert-Butylbenzene	Ave	1.401	1.370	0.1000	19.5	20.0	-2.3	25.0
1,2,4-Trimethylbenzene	Ave	1.688	1.625	0.1000	19.3	20.0	-3.7	25.0
sec-Butylbenzene	Ave	1.889	1.800	0.1000	19.1	20.0	-4.7	25.0
1,3-Dichlorobenzene	Ave	1.133	1.147	0.1000	20.2	20.0	1.2	25.0
1,4-Dichlorobenzene	Ave	1.270	1.207	0.1000	19.0	20.0	-4.9	25.0
4-Isopropyltoluene	Ave	1.518	1.440	0.1000	19.0	20.0	-5.2	25.0
1,2,3-Trimethylbenzene	Ave	1.837	1.754	0.1000	19.1	20.0	-4.5	25.0
Benzyl chloride	Ave	0.2531	0.2067	0.1000	16.3	20.0	-18.3	25.0
1,2-Dichlorobenzene	Ave	1.164	1.167	0.1000	20.1	20.0	0.3	25.0
n-Butylbenzene	Ave	0.6642	0.6161	0.1000	18.6	20.0	-7.2	25.0
1,2-Dibromo-3-Chloropropane	Ave	0.1437	0.1499	0.1000	20.9	20.0	4.3	25.0
1,3,5-Trichlorobenzene	Ave	0.5282	0.5033	0.1000	19.1	20.0	-4.7	25.0
1,2,4-Trichlorobenzene	Ave	0.4869	0.4403	0.1000	18.1	20.0	-9.6	25.0
Hexachlorobutadiene	Ave	0.2336	0.2048	0.1000	17.5	20.0	-12.3	25.0
Naphthalene	Ave	1.220	1.245	0.1000	20.4	20.0	2.0	25.0
1,2,3-Trichlorobenzene	Ave	0.4253	0.4146	0.1000	19.5	20.0	-2.5	25.0
Dibromofluoromethane (Surr)	Ave	0.2052	0.2127	0.1000	51.8	50.0	3.6	25.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2254	0.2354	0.1000	52.2	50.0	4.4	25.0
Toluene-d8 (Surr)	Ave	1.330	1.454	0.1000	54.7	50.0	9.3	25.0
4-Bromofluorobenzene	Ave	0.3831	0.4113	0.1000	53.7	50.0	7.4	25.0

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS12\20220629-147223.b\O78594.d
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 29-Jun-2022 21:07:30 ALS Bottle#: 27 Worklist Smp#: 28
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCV
Misc. Info.: 460-0147223-028
Operator ID: Instrument ID: CVOAMS12
Sublist: chrom-8260W_12*sub26

Method: \\chromfs\Edison\ChromData\CVOAMS12\20220629-147223.b\8260W_12.m
Limit Group: VOA 8260 DEL ICAL
Last Update: 30-Jun-2022 14:57:55 Calib Date: 29-Jun-2022 05:49:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Continuing Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS12\20220629-147196.b\O78558.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1621

First Level Reviewer: HVW2 Date: 30-Jun-2022 03:09:30

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Chlorotrifluoroethene	116	0.879	0.878	0.001	87	16633	NC	NC	
3 Dichlorodifluoromethane	85	0.890	0.890	0.000	99	55209	20.0	17.5	
5 Chlorodifluoromethane	67	0.901	0.901	0.000	97	10040	NC	NC	
6 Chloromethane	50	1.004	0.993	0.011	99	72054	20.0	17.9	
7 Vinyl chloride	62	1.050	1.050	0.000	97	66870	20.0	18.6	
8 Butadiene	54	1.073	1.073	0.000	95	57972	NC	NC	
9 Bromomethane	94	1.221	1.221	0.000	98	36537	20.0	17.3	
10 Chloroethane	64	1.278	1.278	0.000	98	43687	20.0	19.1	
11 Dichlorofluoromethane	67	1.392	1.392	0.000	99	93964	NC	NC	
12 Trichlorofluoromethane	101	1.427	1.427	0.001	97	71706	20.0	20.0	
13 Pentane	57	1.472	1.472	0.000	96	23851	40.0	41.3	
14 Ethanol	46	1.529	1.529	0.000	96	13451	800.0	897.2	
15 Ethyl ether	59	1.586	1.586	0.000	96	47273	20.0	19.4	
16 1,2-Dichloro-1,1,2-trifluoroetha	117	1.586	1.586	0.000	88	46198	NC	NC	
17 2-Methyl-1,3-butadiene	53	1.598	1.598	0.000	91	54623	20.0	20.3	
18 1,1,1-Trifluoro-2,2-dichloroetha	83	1.621	1.632	-0.011	95	71510	NC	NC	
19 Acrolein	56	1.655	1.666	-0.011	89	12340	40.0	35.9	
20 1,1-Dichloroethene	96	1.723	1.723	0.000	97	52261	20.0	19.7	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	1.723	1.723	0.000	97	47983	20.0	20.8	
22 Acetone	58	1.746	1.746	0.000	89	20658	100.0	91.3	
23 Iodomethane	142	1.803	1.815	-0.012	96	70602	20.0	19.3	
24 Isopropyl alcohol	45	1.849	1.849	0.000	29	29730	200.0	217.9	
25 Carbon disulfide	76	1.849	1.849	0.000	98	179573	20.0	18.7	
26 Acetonitrile	38	1.940	1.940	0.000	80	15459	200.0	170.1	
27 3-Chloro-1-propene	76	1.940	1.940	0.000	95	38273	NC	NC	
28 Methyl acetate	43	1.952	1.952	0.000	99	52696	40.0	36.3	
29 Cyclopentene	67	1.997	1.997	0.000	96	141704	NC	NC	
30 Methylene Chloride	84	2.020	2.020	0.000	92	62721	20.0	19.2	
* 31 TBA-d9 (IS)	65	2.032	2.043	-0.011	100	211059	1000.0	1000.0	
32 2-Methyl-2-propanol	59	2.089	2.089	0.000	99	47520	200.0	199.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
33 Acrylonitrile	53	2.169	2.169	0.000	96	180549	200.0	220.6	
34 trans-1,2-Dichloroethene	96	2.192	2.203	-0.011	94	53579	20.0	18.3	
35 Methyl tert-butyl ether	73	2.203	2.203	0.000	97	174514	20.0	19.6	
36 Hexane	57	2.397	2.397	0.000	92	50244	20.0	19.7	
37 1,1-Dichloroethane	63	2.488	2.488	0.000	99	97657	20.0	17.8	
38 Vinyl acetate	86	2.534	2.534	0.000	100	24425	40.0	43.0	
39 Isopropyl ether	45	2.557	2.557	0.000	87	204644	20.0	19.9	
40 2-Chloro-1,3-butadiene	88	2.557	2.557	0.000	89	58898	NC	NC	
41 Tert-butyl ethyl ether	59	2.831	2.831	0.000	90	196326	20.0	19.7	
* 43 2-Butanone-d5	46	2.888	2.888	0.000	100	274920	250.0	250.0	
44 2,2-Dichloropropane	97	2.922	2.922	0.000	73	17322	20.0	15.6	
45 cis-1,2-Dichloroethene	96	2.922	2.922	0.000	94	58266	20.0	17.9	
46 2-Butanone (MEK)	72	2.945	2.945	0.000	99	32542	100.0	91.3	
42 Propionitrile	54	2.979	2.991	-0.012	99	64152	NC	NC	
47 Ethyl acetate	70	3.002	3.002	0.000	100	14097	40.0	39.1	
48 Methyl acrylate	55	3.036	3.036	0.000	98	56695	NC	NC	M
50 Methacrylonitrile	67	3.105	3.105	0.000	91	230340	NC	NC	
49 Chlorobromomethane	128	3.116	3.116	0.000	93	29645	20.0	20.8	
51 Tetrahydrofuran	42	3.162	3.162	0.000	93	24844	40.0	35.5	
52 Chloroform	83	3.185	3.185	0.000	99	90603	20.0	19.0	
$ 53 Dibromofluoromethane (Surr)	113	3.322	3.322	0.000	97	132922	50.0	51.8	
54 1,1,1-Trichloroethane	97	3.345	3.345	0.000	98	77492	20.0	18.7	
55 Cyclohexane	84	3.390	3.390	0.000	90	72651	20.0	20.0	
56 Carbon tetrachloride	117	3.493	3.493	0.000	96	64847	20.0	19.0	
57 1,1-Dichloropropene	75	3.493	3.493	0.000	98	80334	20.0	19.9	
$ 58 1,2-Dichloroethane-d4 (Surr)	65	3.619	3.619	0.000	0	147119	50.0	52.2	
61 Isobutyl alcohol	43	3.641	3.641	0.000	95	48519	NC	NC	a
59 Benzene	78	3.676	3.676	0.000	95	247212	20.0	19.9	
60 1,2-Dichloroethane	62	3.687	3.687	0.000	96	64564	20.0	18.5	
63 Isopropyl acetate	61	3.778	3.778	0.000	97	23192	20.0	21.0	
62 Isooctane	57	3.778	3.778	0.000	95	113465	20.0	12.1	
64 Tert-amyl methyl ether	73	3.801	3.801	0.000	99	182924	20.0	19.4	
* 65 Fluorobenzene	96	3.938	3.938	0.000	99	624925	50.0	50.0	
66 n-Heptane	43	3.973	3.972	0.001	91	36772	20.0	18.1	
67 Trichloroethene	95	4.315	4.315	0.000	99	57903	20.0	18.2	
68 n-Butanol	56	4.361	4.372	-0.011	96	19877	500.0	390.9	
69 Ethyl acrylate	55	4.463	4.475	-0.012	95	57555	20.0	15.0	a
70 Methylcyclohexane	83	4.509	4.509	0.000	93	62310	20.0	19.7	
71 1,2-Dichloropropane	63	4.532	4.532	0.000	94	65350	20.0	19.1	
* 72 1,4-Dioxane-d8	96	4.646	4.646	0.000	0	37325	1000.0	1000.0	
73 Dibromomethane	93	4.646	4.657	-0.011	97	31003	20.0	19.3	
74 1,4-Dioxane	88	4.703	4.703	0.000	94	16111	400.0	450.0	
75 Methyl methacrylate	100	4.715	4.715	0.000	89	31277	40.0	40.7	
76 n-Propyl acetate	43	4.806	4.806	0.000	98	74426	20.0	20.0	
77 Dichlorobromomethane	83	4.840	4.840	0.000	99	71373	20.0	18.2	
78 2-Nitropropane	41	5.103	5.103	0.000	99	22609	NC	NC	
79 2-Chloroethyl vinyl ether	63	5.228	5.228	0.000	97	39398	20.0	20.9	
80 Epichlorohydrin	57	5.274	5.274	0.000	99	106353	400.0	321.0	
81 cis-1,3-Dichloropropene	75	5.365	5.365	0.000	91	97198	20.0	19.4	
82 4-Methyl-2-pentanone (MIBK)	43	5.582	5.582	0.000	96	248219	100.0	94.2	
$ 83 Toluene-d8 (Surr)	98	5.685	5.685	0.000	99	622667	50.0	54.7	
84 Toluene	91	5.765	5.765	0.000	93	248203	20.0	19.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
85 trans-1,3-Dichloropropene	75	6.085	6.085	0.000	96	81384	20.0	18.8	
86 Ethyl methacrylate	69	6.267	6.267	0.000	88	69178	20.0	18.1	
87 1,1,2-Trichloroethane	83	6.290	6.302	-0.012	95	43858	20.0	20.7	
88 Tetrachloroethene	166	6.461	6.461	0.000	95	48951	20.0	19.4	
89 1,3-Dichloropropane	76	6.507	6.507	0.000	93	92871	20.0	20.2	
90 2-Hexanone	43	6.690	6.690	0.000	94	154377	100.0	82.4	
91 Chlorodibromomethane	129	6.793	6.804	-0.011	98	52098	20.0	19.2	
93 Ethylene Dibromide	107	6.930	6.929	0.001	99	51252	20.0	20.8	
92 n-Butyl acetate	43	6.941	6.941	0.000	99	55699	20.0	14.4	
* 94 Chlorobenzene-d5	117	7.603	7.614	-0.011	86	428167	50.0	50.0	
95 Chlorobenzene	112	7.649	7.649	0.000	96	154652	20.0	19.8	
96 1,1,1,2-Tetrachloroethane	131	7.786	7.786	0.000	96	49523	20.0	19.1	
97 Ethylbenzene	106	7.854	7.854	0.000	98	80100	20.0	19.4	
98 m-Xylene & p-Xylene	106	8.048	8.048	0.000	100	101328	20.0	19.9	
99 o-Xylene	106	8.631	8.631	0.000	94	98224	20.0	19.1	
100 Styrene	104	8.665	8.665	0.000	96	165050	20.0	20.1	
101 n-Butyl acrylate	73	8.733	8.733	0.000	98	34506	20.0	18.2	
102 Bromoform	173	8.882	8.882	0.000	97	32259	20.0	18.6	
103 Amyl acetate (mixed isomers)	43	9.122	9.122	0.000	92	71674	20.0	17.4	
104 Isopropylbenzene	105	9.236	9.236	0.000	96	209396	20.0	18.7	
$ 105 4-Bromofluorobenzene	174	9.430	9.430	0.000	89	176126	50.0	53.7	
106 Bromobenzene	156	9.624	9.624	0.000	98	63867	20.0	20.0	
107 1,1,2,2-Tetrachloroethane	83	9.738	9.738	0.000	99	69073	20.0	20.9	
108 1,2,3-Trichloropropane	75	9.750	9.761	-0.011	98	52777	20.0	19.4	
109 trans-1,4-Dichloro-2-butene	75	9.841	9.841	0.000	90	24192	20.0	17.3	
110 N-Propylbenzene	91	9.898	9.898	0.000	100	228082	20.0	20.3	
111 2-Chlorotoluene	91	9.966	9.966	0.000	97	161756	20.0	19.2	
112 4-Ethyltoluene	105	10.103	10.103	0.000	99	197933	NC	NC	
113 4-Chlorotoluene	91	10.161	10.160	0.000	96	181546	20.0	22.3	
114 1,3,5-Trimethylbenzene	105	10.218	10.218	0.000	93	157818	20.0	19.1	
115 Butyl Methacrylate	87	10.503	10.503	0.000	90	57346	20.0	14.0	
116 tert-Butylbenzene	119	10.731	10.731	0.000	94	127780	20.0	19.5	
117 1,2,4-Trimethylbenzene	105	10.811	10.823	-0.012	96	151575	20.0	19.3	
118 sec-Butylbenzene	105	11.097	11.097	0.000	99	167879	20.0	19.1	
119 1,3-Dichlorobenzene	146	11.188	11.188	0.000	97	106956	20.0	20.2	
* 120 1,4-Dichlorobenzene-d4	152	11.291	11.291	0.000	94	233209	50.0	50.0	
121 1,4-Dichlorobenzene	146	11.314	11.314	0.000	96	112637	20.0	19.0	
122 4-Isopropyltoluene	119	11.336	11.336	0.000	98	134298	20.0	19.0	
123 1,2,3-Trimethylbenzene	105	11.416	11.416	0.000	98	163578	20.0	19.1	
124 Benzyl chloride	126	11.519	11.519	0.000	99	19283	20.0	16.3	
125 2,3-Dihydroindene	117	11.622	11.622	0.000	95	204264	NC	NC	
126 1,2-Dichlorobenzene	146	11.736	11.736	0.000	95	108868	20.0	20.1	
127 p-Diethylbenzene	119	11.782	11.782	0.000	93	66803	NC	NC	
128 n-Butylbenzene	92	11.805	11.804	0.001	97	57476	20.0	18.6	
129 1,2-Dibromo-3-Chloropropane	157	12.432	12.432	0.000	95	13982	20.0	20.9	
130 1,2,4,5-Tetramethylbenzene	119	12.444	12.444	0.000	97	106685	NC	NC	
131 1,3,5-Trichlorobenzene	180	12.592	12.592	0.000	98	46946	20.0	19.1	
132 1,2,4-Trichlorobenzene	180	13.003	13.003	0.000	95	41076	20.0	18.1	
133 Hexachlorobutadiene	225	13.117	13.117	0.000	97	19109	20.0	17.5	
134 Naphthalene	128	13.140	13.140	0.000	99	116140	20.0	20.4	
135 1,2,3-Trichlorobenzene	180	13.277	13.289	-0.012	96	38673	20.0	19.5	
S 137 1,2-Dichloroethene, Total	100				0		40.0	36.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 138 Xylenes, Total	100				0		40.0	39.1	
S 139 Total BTEX	1				0		100.0	98.1	

QC Flag Legend

Processing Flags
NC - Not Calibrated
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

ACROLEIN W_00141	Amount Added:	4.00	Units: uL	
8260MIX1COMB_00155	Amount Added:	20.00	Units: uL	
GASES Li_00482	Amount Added:	20.00	Units: uL	
524freon_00054	Amount Added:	20.00	Units: uL	
8260SURR250_00230	Amount Added:	1.00	Units: uL	
8260ISNEW_00171	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 30-Jun-2022 14:57:56 Chrom Revision: 2.3 20-Jun-2022 20:10:40

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS12\20220629-147223.b\O78594.d

Injection Date: 29-Jun-2022 21:07:30 Instrument ID: CVOAMS12 Operator ID:

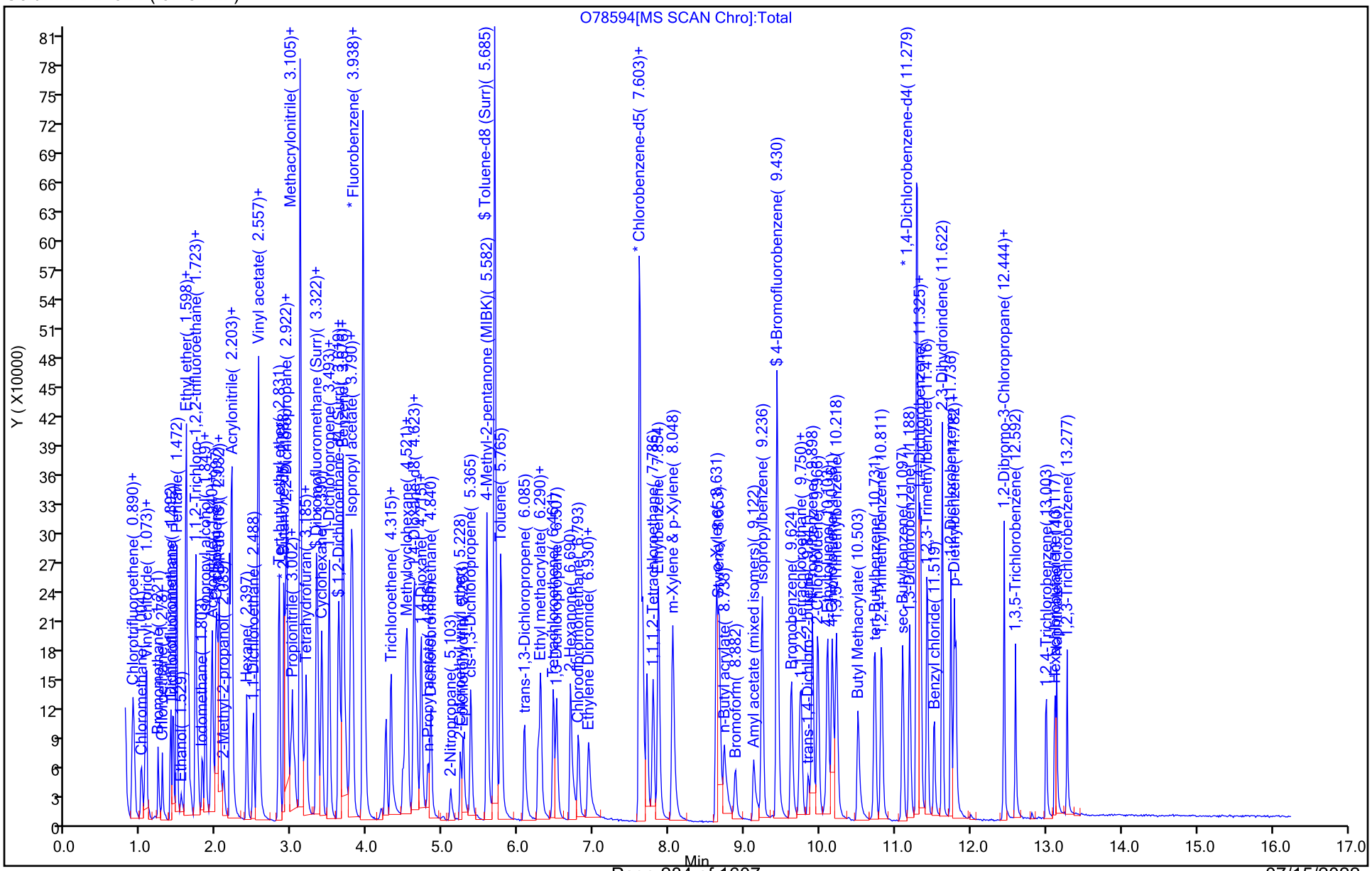
Lims ID: CCV Worklist Smp#: 28

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 27

Method: 8260W_12 Limit Group: VOA 8260 DEL ICAL

Column: DB-624 (0.18 mm)



Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS12\20220629-147196.b\O78550.d
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 29-Jun-2022 02:03:30 ALS Bottle#: 99 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 460-0147196-001
Operator ID: Instrument ID: CVOAMS12

Method: \\chromfs\Edison\ChromData\CVOAMS12\20220629-147196.b\8260W_12.m
Limit Group: VOA 8260 DEL ICAL
Last Update: 29-Jun-2022 19:59:23 Calib Date: 29-Jun-2022 05:49:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Continuing Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS12\20220629-147196.b\O78558.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1670

First Level Reviewer: HVW2 Date: 29-Jun-2022 02:22:15

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 140 BFB	95	2.621	2.621	0.000	85	61710	NR	NR	a

QC Flag Legend

Processing Flags
NR - Missing Quant Standard
Review Flags
a - User Assigned ID

Reagents:

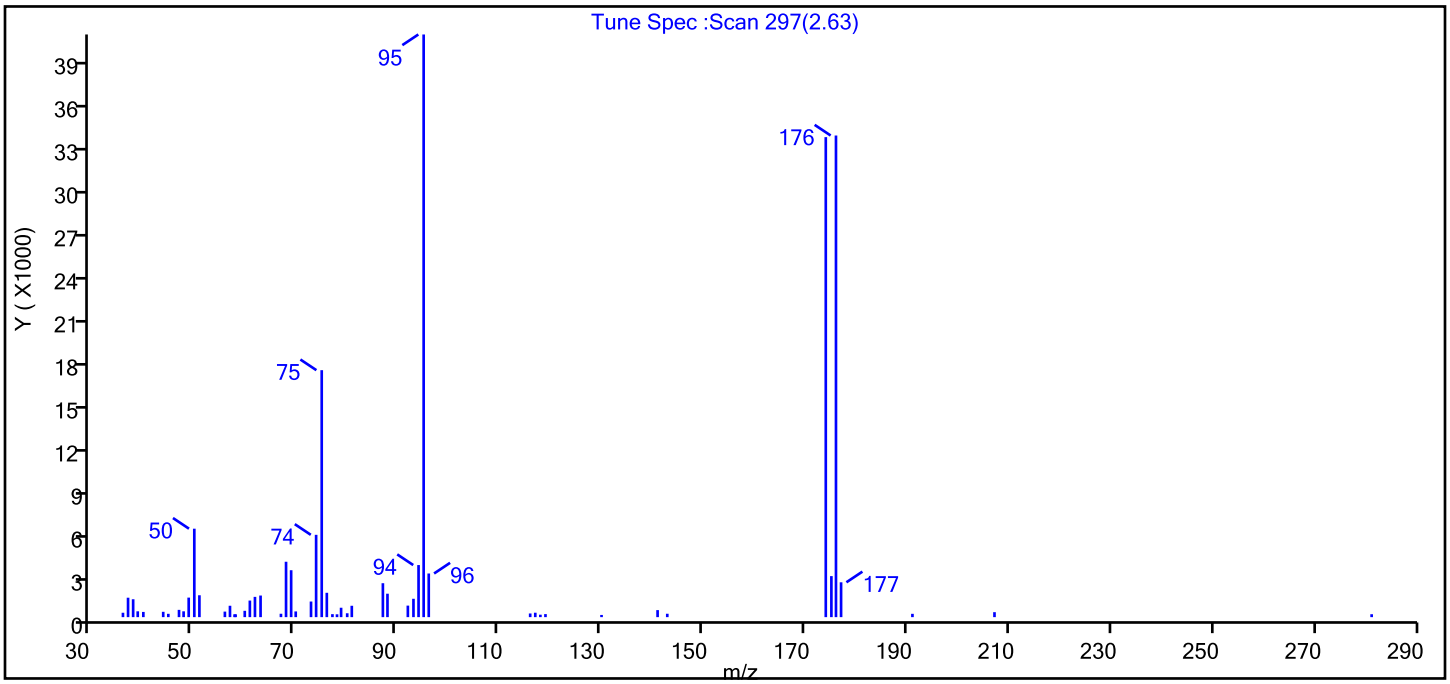
BFB_00031	Amount Added:	1.00	Units: uL	
8260ISNEW_00171	Amount Added:	1.00	Units: uL	Run Reagent

MS Tune Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS12\20220629-147196.b\O78550.d
Injection Date: 29-Jun-2022 02:03:30 Instrument ID: CVOAMS12
Lims ID: BFB
Client ID:
Operator ID: ALS Bottle#: 99 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Method: 8260W_12 Limit Group: VOA 8260 DEL ICAL
Tune Method: BFB Method 8260

$ 140 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	15.2
75	30 to 60% of m/z 95	42.4
96	5 to 9% of m/z 95	7.5
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	82.4
175	5 to 9% of m/z 174	7.0 (8.5)
176	Greater than 95% but less than 101% of m/z 174	82.7 (100.3)
177	5 to 9% of m/z 176	6.0 (7.2)

Data File: \\chromfs\Edison\ChromData\CVOAMS12\20220629-147196.b\O78550.d\8260W_12.rslt\spectra.d
Injection Date: 29-Jun-2022 02:03:30
Spectrum: Tune Spec :Scan 297(2.63)
Base Peak: 95.10
Minimum % Base Peak: 0
Number of Points: 54

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	303	58.00	195	77.00	206	118.00	169
37.00	1340	58.00	196	78.00	197	119.00	210
38.00	1234	60.00	436	79.00	649	130.00	152
39.00	402	61.00	1144	80.00	267	141.00	485
40.00	360	62.00	1398	81.00	784	143.00	234
44.00	368	63.00	1490	87.00	2340	174.00	33104
45.00	230	67.00	234	88.00	1616	175.00	2830
47.00	502	68.00	3820	92.00	795	176.00	33216
48.00	402	69.00	3236	93.00	1266	177.00	2403
49.00	1347	70.00	394	94.00	3592	191.00	229
50.00	6100	73.00	1077	95.00	40184	207.00	343
51.00	1509	74.00	5677	96.00	3010	281.00	202
56.00	382	75.00	17032	116.00	253		
57.00	785	76.00	1679	117.00	305		

Eurofins Edison
Target Compound Quantitation Report

Data File:	\\chromfs\Edison\ChromData\CVOAMS12\20220629-147223.b\O78567.d				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	29-Jun-2022 09:57:30	ALS Bottle#:	99	Worklist Smp#:	1
Injection Vol:	5.0 mL	Dil. Factor:	1.0000		
Sample Info:	BFB				
Misc. Info.:	460-0147223-001				
Operator ID:		Instrument ID:	CVOAMS12		
Method:	\\chromfs\Edison\ChromData\CVOAMS12\20220629-147223.b\8260W_12.m				
Limit Group:	VOA 8260 DEL ICAL				
Last Update:	30-Jun-2022 14:47:39	Calib Date:	29-Jun-2022 05:49:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Continuing Calibration		
Last ICal File:	\\chromfs\Edison\ChromData\CVOAMS12\20220629-147196.b\O78558.d				
Column 1 :	DB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	CTX1621				
First Level Reviewer: NN6A		Date:	30-Jun-2022 14:47:39		

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 140 BFB	95	2.621	2.621	0.000	86	50734	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

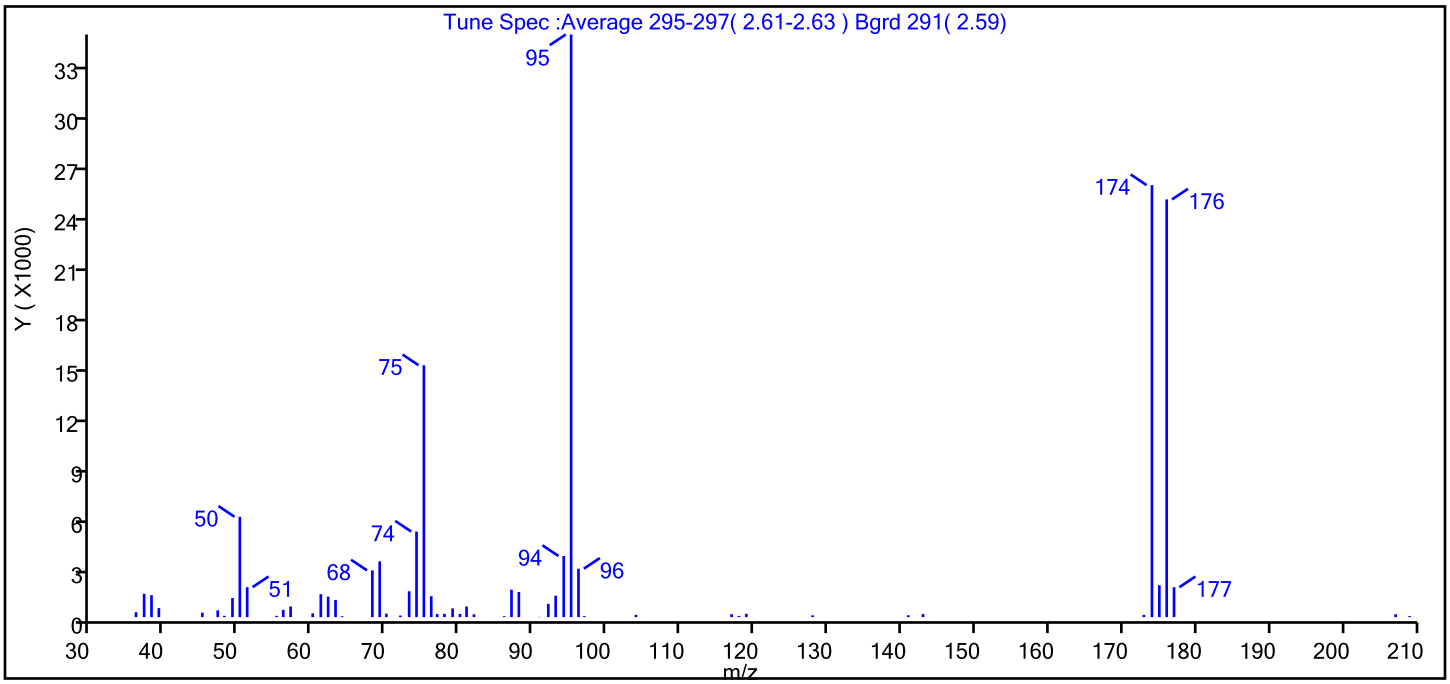
BFB_00031	Amount Added:	1.00	Units: uL	
8260ISNEW_00171	Amount Added:	1.00	Units: uL	Run Reagent

MS Tune Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS12\20220629-147223.b\O78567.d
Injection Date: 29-Jun-2022 09:57:30 Instrument ID: CVOAMS12
Lims ID: BFB
Client ID:
Operator ID: ALS Bottle#: 99 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Method: 8260W_12 Limit Group: VOA 8260 DEL ICAL
Tune Method: BFB Method 8260

$ 140 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	17.2
75	30 to 60% of m/z 95	43.2
96	5 to 9% of m/z 95	8.3
173	Less than 2% of m/z 174	0.4 (0.5)
174	50 to 120% of m/z 95	74.1
175	5 to 9% of m/z 174	5.5 (7.4)
176	Greater than 95% but less than 101% of m/z 174	71.7 (96.7)
177	5 to 9% of m/z 176	5.1 (7.2)

Data File: \\chromfs\Edison\ChromData\CVOAMS12\20220629-147223.b\O78567.d\8260W_12.rslt\spectra.d
Injection Date: 29-Jun-2022 09:57:30
Spectrum: Tune Spec :Average 295-297(2.61-2.63) Bgrd 291(2.59)
Base Peak: 95.10
Minimum % Base Peak: 0
Number of Points: 56

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	294	61.00	1361	79.00	517	104.00	136
37.00	1387	62.00	1216	80.00	194	117.00	173
38.00	1303	63.00	1022	81.00	632	118.00	74
39.00	536	64.00	55	82.00	168	119.00	200
45.00	269	68.00	2772	86.00	56	128.00	109
47.00	405	69.00	3308	87.00	1628	141.00	113
48.00	80	70.00	205	88.00	1492	143.00	183
49.00	1135	72.00	95	91.00	16	173.00	133
50.00	5953	73.00	1536	92.00	792	174.00	25624
51.00	1778	74.00	5076	93.00	1271	175.00	1891
55.00	80	75.00	14942	94.00	3628	176.00	24776
56.00	436	76.00	1242	95.00	34560	177.00	1775
57.00	633	77.00	184	96.00	2872	207.00	171
60.00	224	78.00	202	97.00	61	209.00	64

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-260852-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-852635/8

Matrix: Solid | Lab File ID: O78574.d

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 06/29/2022 12:43

Soil Aliquot Vol: 5 (mL) | Dilution Factor: 50

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Medium

Analysis Batch No.: 852635 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	10	U	50	10
108-88-3	Toluene	13	U	50	13
100-41-4	Ethylbenzene	15	U	50	15
1330-20-7	Xylenes, Total	14	U	100	14

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	90		68-150
460-00-4	4-Bromofluorobenzene	91		70-150
2037-26-5	Toluene-d8 (Surr)	95		80-147
1868-53-7	Dibromofluoromethane (Surr)	94		68-150

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS12\20220629-147223.b\O78574.d
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 29-Jun-2022 12:43:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 50.0000
Sample Info: MB
Misc. Info.: 460-0147223-008
Operator ID: Instrument ID: CVOAMS12

Method: \\chromfs\Edison\ChromData\CVOAMS12\20220629-147223.b\8260W_12.m
Limit Group: VOA 8260 DEL ICAL
Last Update: 30-Jun-2022 14:56:15 Calib Date: 29-Jun-2022 05:49:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Continuing Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS12\20220629-147196.b\O78558.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1621

First Level Reviewer: RD6L Date: 29-Jun-2022 13:14:05

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 31 TBA-d9 (IS)	65	2.032	2.043	-0.011	100	201506	1000.0	1000.0	
* 43 2-Butanone-d5	46	2.888	2.888	0.000	99	255927	250.0	250.0	
$ 53 Dibromofluoromethane (Surr)	113	3.322	3.322	0.000	97	112817	50.0	47.0	
$ 58 1,2-Dichloroethane-d4 (Surr)	65	3.619	3.619	0.000	0	124273	50.0	45.1	
62 Isooctane	57	3.778	3.778	0.000	98	14168		1.60	
* 65 Fluorobenzene	96	3.938	3.938	0.000	99	591287	50.0	50.0	
70 Methylcyclohexane	83	4.509	4.509	0.000	67	759		0.2231	
* 72 1,4-Dioxane-d8	96	4.646	4.646	0.000	0	31935	1000.0	1000.0	
$ 83 Toluene-d8 (Surr)	98	5.685	5.685	0.000	99	504580	50.0	47.4	
* 94 Chlorobenzene-d5	117	7.614	7.614	0.000	86	387834	50.0	50.0	
$ 105 4-Bromofluorobenzene	174	9.430	9.430	0.000	89	141319	50.0	45.7	
* 120 1,4-Dichlorobenzene-d4	152	11.291	11.291	0.000	95	206302	50.0	50.0	
133 Hexachlorobutadiene	225	13.117	13.117	0.000	90	1243		1.15	

QC Flag Legend

Processing Flags

Reagents:

8260SURR250_00230 Amount Added: 1.00 Units: uL
8260ISNEW_00171 Amount Added: 1.00 Units: uL Run Reagent

Report Date: 30-Jun-2022 14:56:16 Chrom Revision: 2.3 20-Jun-2022 20:10:40

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS12\20220629-147223.b\O78574.d

Injection Date: 29-Jun-2022 12:43:30 Instrument ID: CVOAMS12 Operator ID:

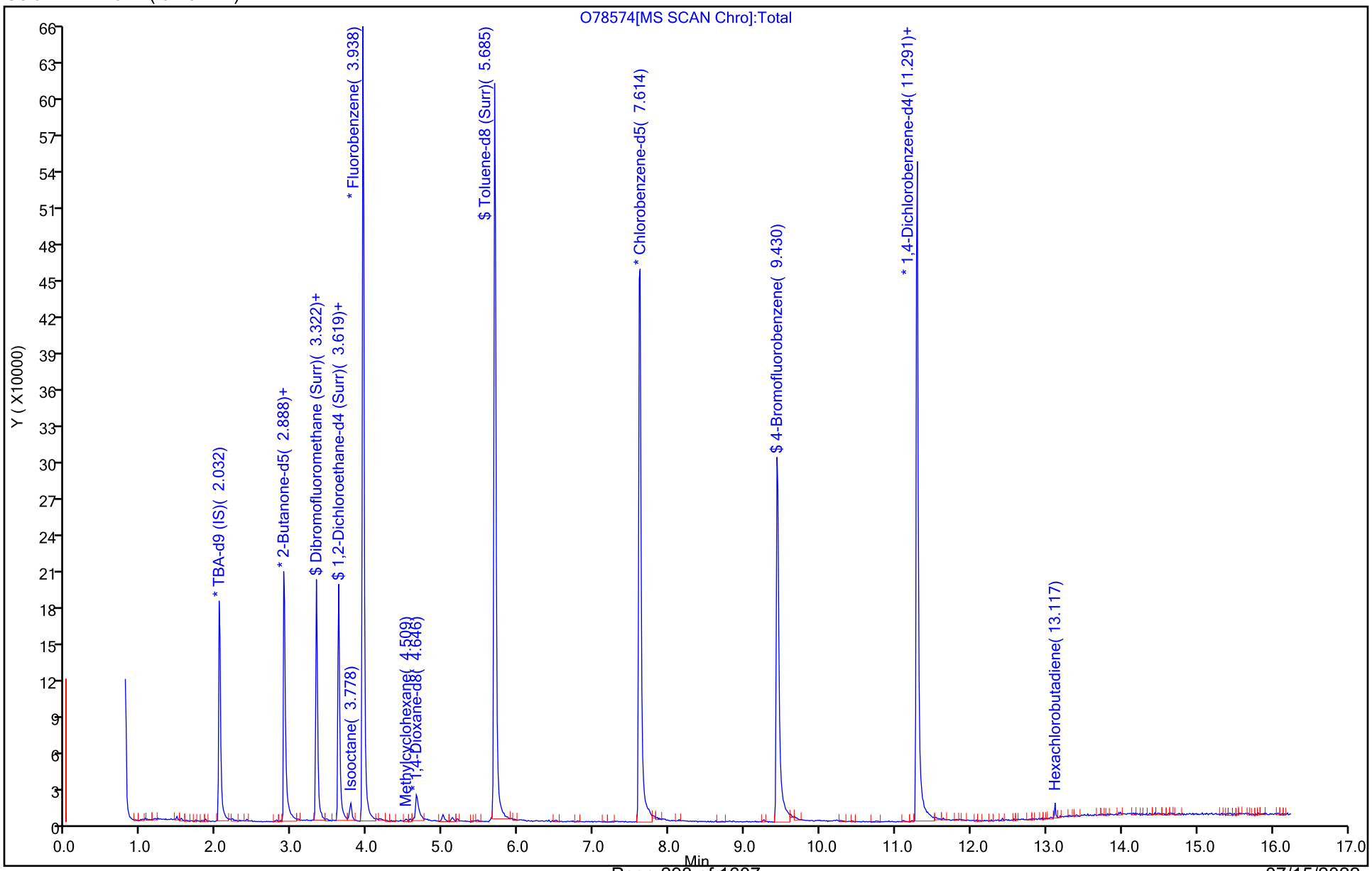
Lims ID: MB Worklist Smp#: 8

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 50.0000 ALS Bottle#: 7

Method: 8260W_12 Limit Group: VOA 8260 DEL ICAL

Column: DB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-260852-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 460-852635/3

Matrix: Solid | Lab File ID: O78569.d

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 06/29/2022 10:36

Soil Aliquot Vol: 5 (mL) | Dilution Factor: 50

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Medium

Analysis Batch No.: 852635 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	1080		50	10
108-88-3	Toluene	1060		50	13
100-41-4	Ethylbenzene	1110		50	15
1330-20-7	Xylenes, Total	2130		100	14

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	107		68-150
460-00-4	4-Bromofluorobenzene	107		70-150
2037-26-5	Toluene-d8 (Surr)	110		80-147
1868-53-7	Dibromofluoromethane (Surr)	110		68-150

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS12\20220629-147223.b\O78569.d
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 29-Jun-2022 10:36:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 50.0000
Sample Info: LCS
Misc. Info.: 460-0147223-003
Operator ID: Instrument ID: CVOAMS12

Method: \\chromfs\Edison\ChromData\CVOAMS12\20220629-147223.b\8260W_12.m
Limit Group: VOA 8260 DEL ICAL
Last Update: 30-Jun-2022 14:53:31 Calib Date: 29-Jun-2022 05:49:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Continuing Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS12\20220629-147196.b\O78558.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1621

First Level Reviewer: NN6A Date: 30-Jun-2022 14:53:10

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Chlorotrifluoroethene	116	0.879	0.878	0.001	86	17858	NC	NC	
3 Dichlorodifluoromethane	85	0.890	0.890	0.000	98	55284	20.0	21.7	
5 Chlorodifluoromethane	67	0.901	0.901	0.000	97	8974	NC	NC	
6 Chloromethane	50	1.004	0.993	0.011	99	68087	20.0	20.1	
7 Vinyl chloride	62	1.050	1.050	0.000	97	62512	20.0	20.4	
8 Butadiene	54	1.073	1.073	0.000	95	56790	NC	NC	
9 Bromomethane	94	1.221	1.221	0.000	99	37816	20.0	21.6	
10 Chloroethane	64	1.278	1.278	0.000	98	40246	20.0	21.5	
11 Dichlorofluoromethane	67	1.392	1.392	0.000	98	88446	NC	NC	
12 Trichlorofluoromethane	101	1.427	1.427	0.001	98	68278	20.0	21.4	
13 Pentane	57	1.472	1.472	0.000	96	25488	40.0	45.7	
14 Ethanol	46	1.529	1.529	0.000	98	11749	800.0	854.1	
15 Ethyl ether	59	1.586	1.586	0.000	96	43185	20.0	20.8	
16 1,2-Dichloro-1,1,2-trifluoroetha	117	1.586	1.586	0.000	88	45719	NC	NC	
17 2-Methyl-1,3-butadiene	53	1.598	1.598	0.000	93	54307	20.0	21.3	
18 1,1,1-Trifluoro-2,2-dichloroetha	83	1.621	1.632	-0.011	96	69137	NC	NC	
19 Acrolein	56	1.655	1.666	-0.011	91	13152	40.0	48.5	
20 1,1-Dichloroethene	96	1.724	1.723	0.001	98	49793	20.0	21.6	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	1.724	1.723	0.001	96	47658	20.0	21.3	
22 Acetone	58	1.746	1.746	0.000	89	20025	100.0	109.3	
23 Iodomethane	142	1.815	1.815	0.000	97	64006	20.0	20.5	
24 Isopropyl alcohol	45	1.849	1.849	0.000	29	27526	200.0	220.0	
25 Carbon disulfide	76	1.849	1.849	0.000	99	176352	20.0	20.8	
26 Acetonitrile	38	1.940	1.940	0.000	80	15622	200.0	194.0	
27 3-Chloro-1-propene	76	1.940	1.940	0.000	95	37610	NC	NC	
28 Methyl acetate	43	1.952	1.952	0.000	99	47138	40.0	40.1	
29 Cyclopentene	67	1.998	1.997	0.001	96	135803	NC	NC	
30 Methylene Chloride	84	2.020	2.020	0.000	91	60393	20.0	21.0	
* 31 TBA-d9 (IS)	65	2.043	2.043	0.000	100	175801	1000.0	1000.0	
32 2-Methyl-2-propanol	59	2.089	2.089	0.000	99	40286	200.0	201.0	
33 Acrylonitrile	53	2.169	2.169	0.000	95	173560	200.0	215.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
34 trans-1,2-Dichloroethene	96	2.203	2.203	0.000	95	53642	20.0	21.8	
35 Methyl tert-butyl ether	73	2.203	2.203	0.000	97	165727	20.0	21.6	
36 Hexane	57	2.397	2.397	0.000	91	57298	20.0	21.5	
37 1,1-Dichloroethane	63	2.488	2.488	0.000	99	95890	20.0	21.6	
38 Vinyl acetate	86	2.534	2.534	0.000	100	24460	40.0	46.5	
39 Isopropyl ether	45	2.557	2.557	0.000	88	198636	20.0	20.9	
40 2-Chloro-1,3-butadiene	88	2.557	2.557	0.000	67	59139	NC	NC	
41 Tert-butyl ethyl ether	59	2.831	2.831	0.000	90	186554	20.0	21.0	
* 43 2-Butanone-d5	46	2.888	2.888	0.000	99	233582	250.0	250.0	
44 2,2-Dichloropropane	97	2.922	2.922	0.000	83	20430	20.0	21.7	
45 cis-1,2-Dichloroethene	96	2.922	2.922	0.000	92	57765	20.0	21.7	
46 2-Butanone (MEK)	72	2.945	2.945	0.000	99	30432	100.0	98.6	
42 Propionitrile	54	2.979	2.991	-0.012	98	60194	NC	NC	
47 Ethyl acetate	70	3.002	3.002	0.000	99	13416	40.0	42.1	
48 Methyl acrylate	55	3.036	3.036	0.000	99	52258	NC	NC	
50 Methacrylonitrile	67	3.105	3.105	0.000	90	219233	NC	NC	
49 Chlorobromomethane	128	3.116	3.116	0.000	94	27175	20.0	20.0	
51 Tetrahydrofuran	42	3.162	3.162	0.000	96	23412	40.0	43.6	
52 Chloroform	83	3.185	3.185	0.000	99	87464	20.0	21.1	
$ 53 Dibromofluoromethane (Surr)	113	3.322	3.322	0.000	97	123222	50.0	54.8	
54 1,1,1-Trichloroethane	97	3.345	3.345	0.000	98	76908	20.0	21.0	
55 Cyclohexane	84	3.390	3.390	0.000	90	71943	20.0	21.0	
56 Carbon tetrachloride	117	3.493	3.493	0.000	99	62430	20.0	20.1	
57 1,1-Dichloropropene	75	3.493	3.493	0.000	98	76473	20.0	20.3	
$ 58 1,2-Dichloroethane-d4 (Surr)	65	3.619	3.619	0.000	0	137405	50.0	53.3	
61 Isobutyl alcohol	43	3.642	3.641	0.001	95	44161	NC	NC	a
59 Benzene	78	3.676	3.676	0.000	95	239203	20.0	21.7	
60 1,2-Dichloroethane	62	3.687	3.687	0.000	96	63655	20.0	21.3	
63 Isopropyl acetate	61	3.779	3.778	0.001	97	22619	20.0	21.7	
62 Isooctane	57	3.779	3.778	0.001	95	170863	20.0	20.7	
64 Tert-amyl methyl ether	73	3.801	3.801	0.000	91	176199	20.0	21.6	
* 65 Fluorobenzene	96	3.938	3.938	0.000	99	553656	50.0	50.0	
66 n-Heptane	43	3.973	3.972	0.001	91	49799	20.0	20.6	
67 Trichloroethene	95	4.315	4.315	0.000	98	54820	20.0	20.7	
68 n-Butanol	56	4.361	4.372	-0.011	87	17702	500.0	586.3	
69 Ethyl acrylate	55	4.464	4.475	-0.011	94	54285	20.0	21.8	a
70 Methylcyclohexane	83	4.509	4.509	0.000	94	66968	20.0	21.0	
71 1,2-Dichloropropane	63	4.532	4.532	0.000	94	62769	20.0	21.2	
* 72 1,4-Dioxane-d8	96	4.646	4.646	0.000	0	29473	1000.0	1000.0	
73 Dibromomethane	93	4.646	4.657	-0.011	97	29183	20.0	20.8	
74 1,4-Dioxane	88	4.703	4.703	0.000	89	14931	400.0	472.7	
75 Methyl methacrylate	100	4.715	4.715	0.000	88	31447	40.0	41.7	
76 n-Propyl acetate	43	4.806	4.806	0.000	98	68718	20.0	22.0	
77 Dichlorobromomethane	83	4.840	4.840	0.000	99	71957	20.0	21.7	
78 2-Nitropropane	41	5.103	5.103	0.000	97	24510	NC	NC	
79 2-Chloroethyl vinyl ether	63	5.228	5.228	0.000	96	36844	20.0	21.0	
80 Epichlorohydrin	57	5.274	5.274	0.000	99	103549	400.0	432.8	
81 cis-1,3-Dichloropropene	75	5.365	5.365	0.000	90	99634	20.0	21.3	
82 4-Methyl-2-pentanone (MIBK)	43	5.582	5.582	0.000	95	244511	100.0	105.4	
$ 83 Toluene-d8 (Surr)	98	5.685	5.685	0.000	99	581394	50.0	54.9	
84 Toluene	91	5.765	5.765	0.000	93	241412	20.0	21.2	
85 trans-1,3-Dichloropropene	75	6.085	6.085	0.000	95	84233	20.0	22.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
86 Ethyl methacrylate	69	6.267	6.267	0.000	89	65595	20.0	21.3	
87 1,1,2-Trichloroethane	83	6.302	6.302	0.000	95	42223	20.0	20.9	
88 Tetrachloroethene	166	6.462	6.461	0.001	96	48226	20.0	21.1	
89 1,3-Dichloropropane	76	6.507	6.507	0.000	92	90804	20.0	21.7	
90 2-Hexanone	43	6.690	6.690	0.000	94	148858	100.0	105.4	
91 Chlorodibromomethane	129	6.793	6.804	-0.011	98	51968	20.0	22.2	
93 Ethylene Dibromide	107	6.930	6.929	0.001	97	49083	20.0	21.6	
92 n-Butyl acetate	43	6.941	6.941	0.000	98	53133	20.0	20.7	
* 94 Chlorobenzene-d5	117	7.603	7.614	-0.011	85	386256	50.0	50.0	
95 Chlorobenzene	112	7.649	7.649	0.000	95	152339	20.0	21.6	
96 1,1,1,2-Tetrachloroethane	131	7.786	7.786	0.000	97	49745	20.0	22.5	
97 Ethylbenzene	106	7.854	7.854	0.000	98	80041	20.0	22.1	
98 m-Xylene & p-Xylene	106	8.048	8.048	0.000	99	101615	20.0	21.8	
99 o-Xylene	106	8.631	8.631	0.000	94	96912	20.0	20.8	
100 Styrene	104	8.665	8.665	0.000	96	166346	20.0	21.8	
101 n-Butyl acrylate	73	8.733	8.733	0.000	98	36506	20.0	23.1	
102 Bromoform	173	8.882	8.882	0.000	96	32639	20.0	22.0	
103 Amyl acetate (mixed isomers)	43	9.122	9.122	0.000	91	73454	20.0	21.8	
104 Isopropylbenzene	105	9.236	9.236	0.000	95	209862	20.0	21.0	
$ 105 4-Bromofluorobenzene	174	9.430	9.430	0.000	88	165279	50.0	53.7	
106 Bromobenzene	156	9.624	9.624	0.000	99	62268	20.0	21.0	
107 1,1,2,2-Tetrachloroethane	83	9.727	9.738	-0.011	98	64793	20.0	22.1	
108 1,2,3-Trichloropropane	75	9.750	9.761	-0.011	98	49303	20.0	22.0	
109 trans-1,4-Dichloro-2-butene	75	9.841	9.841	0.000	89	26777	20.0	22.6	
110 N-Propylbenzene	91	9.898	9.898	0.000	100	228071	20.0	21.8	
111 2-Chlorotoluene	91	9.967	9.966	0.000	97	171624	20.0	22.8	
112 4-Ethyltoluene	105	10.104	10.103	0.001	99	198891	NC	NC	
113 4-Chlorotoluene	91	10.161	10.160	0.001	96	185763	20.0	22.3	
114 1,3,5-Trimethylbenzene	105	10.218	10.218	0.000	93	156359	20.0	21.4	
115 Butyl Methacrylate	87	10.503	10.503	0.000	87	59907	20.0	22.1	
116 tert-Butylbenzene	119	10.731	10.731	0.000	94	126552	20.0	21.2	
117 1,2,4-Trimethylbenzene	105	10.811	10.823	-0.012	97	148534	20.0	21.5	
118 sec-Butylbenzene	105	11.097	11.097	0.000	99	172839	20.0	21.4	
119 1,3-Dichlorobenzene	146	11.188	11.188	0.000	95	105078	20.0	21.2	
* 120 1,4-Dichlorobenzene-d4	152	11.291	11.291	0.000	94	211622	50.0	50.0	
121 1,4-Dichlorobenzene	146	11.314	11.314	0.000	96	115083	20.0	21.8	
122 4-Isopropyltoluene	119	11.337	11.336	0.001	98	139853	20.0	21.1	
123 1,2,3-Trimethylbenzene	105	11.416	11.416	0.000	98	167591	20.0	22.1	
124 Benzyl chloride	126	11.508	11.519	-0.011	99	25308	20.0	21.9	
125 2,3-Dihydroindene	117	11.622	11.622	0.000	95	202683	NC	NC	
126 1,2-Dichlorobenzene	146	11.736	11.736	0.000	96	108790	20.0	21.7	
127 p-Diethylbenzene	119	11.782	11.782	0.000	93	74020	NC	NC	
128 n-Butylbenzene	92	11.805	11.804	0.001	96	59482	20.0	20.3	
129 1,2-Dibromo-3-Chloropropane	157	12.433	12.432	0.001	95	12966	20.0	22.9	
130 1,2,4,5-Tetramethylbenzene	119	12.444	12.444	0.000	97	113707	NC	NC	
131 1,3,5-Trichlorobenzene	180	12.592	12.592	0.000	97	50976	20.0	21.8	
132 1,2,4-Trichlorobenzene	180	13.003	13.003	0.000	93	43113	20.0	21.6	
133 Hexachlorobutadiene	225	13.118	13.117	0.001	98	24261	20.0	21.8	
134 Naphthalene	128	13.140	13.140	0.000	99	119082	20.0	22.7	
135 1,2,3-Trichlorobenzene	180	13.277	13.289	-0.012	96	41658	20.0	22.1	
S 137 1,2-Dichloroethene, Total	100				0		40.0	43.5	
S 138 Xylenes, Total	100				0		40.0	42.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 139 Total BTEX	1				0		100.0	107.7	

QC Flag Legend

Processing Flags
NC - Not Calibrated
Review Flags
a - User Assigned ID

Reagents:

8260SURR250_00230	Amount Added:	1.00	Units: uL	
ACROLEIN W_00141	Amount Added:	4.00	Units: uL	
8260MIX1COMB_00155	Amount Added:	20.00	Units: uL	
GASES Li_00482	Amount Added:	20.00	Units: uL	
524freon_00054	Amount Added:	20.00	Units: uL	
8260ISNEW_00171	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 30-Jun-2022 14:53:44 Chrom Revision: 2.3 20-Jun-2022 20:10:40

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS12\20220629-147223.b\O78569.d

Injection Date: 29-Jun-2022 10:36:30 Instrument ID: CVOAMS12 Operator ID:

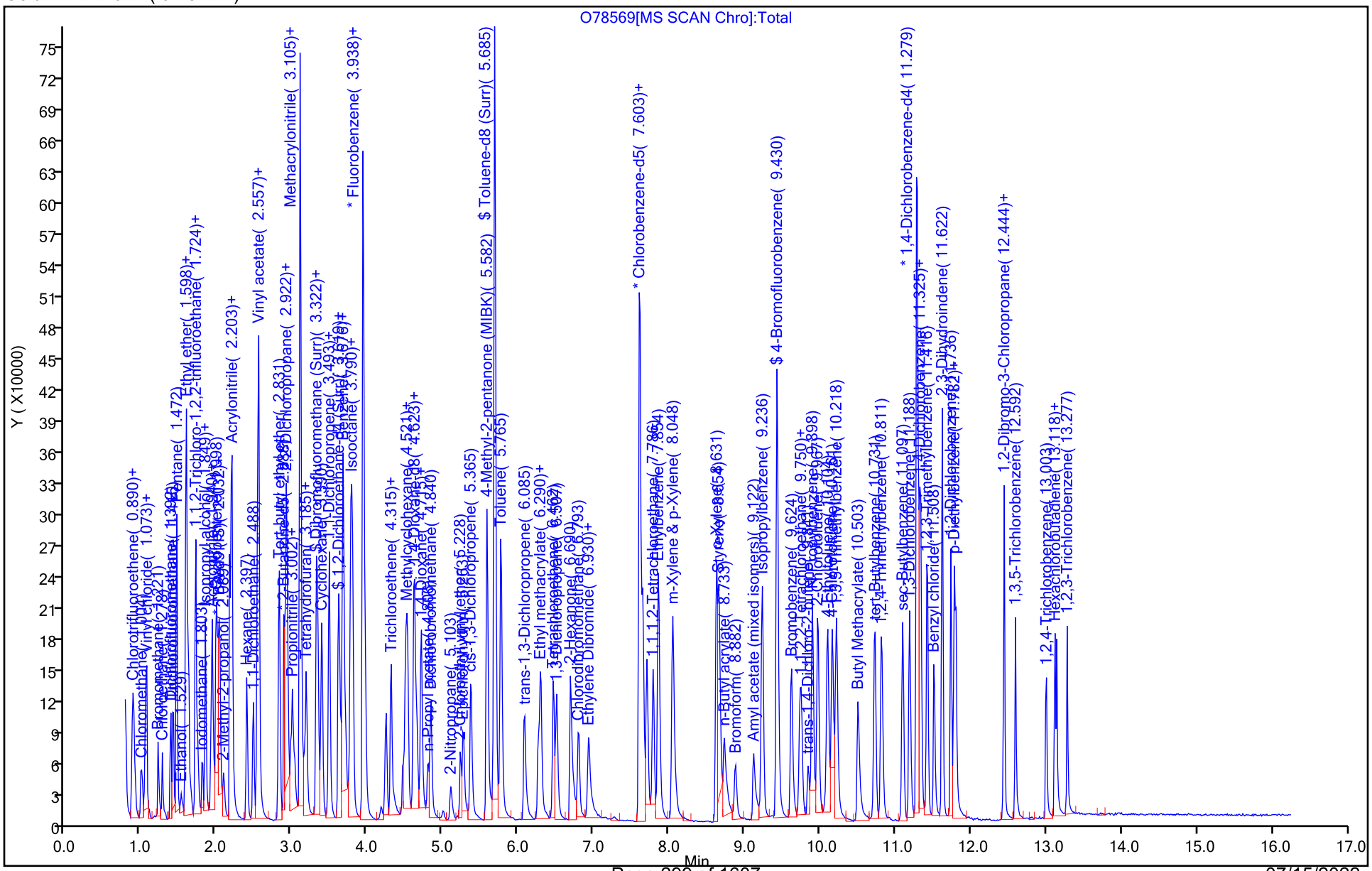
Lims ID: LCS Worklist Smp#: 3

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 50.0000 ALS Bottle#: 2

Method: 8260W_12 Limit Group: VOA 8260 DEL ICAL

Column: DB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-260852-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 460-852635/4

Matrix: Solid | Lab File ID: O78570.d

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 06/29/2022 11:02

Soil Aliquot Vol: 5 (mL) | Dilution Factor: 50

Soil Extract Vol.: 5(mL) | GC Column: DB-624 ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Medium

Analysis Batch No.: 852635 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	958		50	10
108-88-3	Toluene	948		50	13
100-41-4	Ethylbenzene	998		50	15
1330-20-7	Xylenes, Total	1880		100	14

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		68-150
460-00-4	4-Bromofluorobenzene	96		70-150
2037-26-5	Toluene-d8 (Surr)	99		80-147
1868-53-7	Dibromofluoromethane (Surr)	100		68-150

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS12\20220629-147223.b\O78570.d
Lims ID: LCSD
Client ID:
Sample Type: LCSD
Inject. Date: 29-Jun-2022 11:02:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 50.0000
Sample Info: LCSD
Misc. Info.: 460-0147223-004
Operator ID: Instrument ID: CVOAMS12

Method: \\chromfs\Edison\ChromData\CVOAMS12\20220629-147223.b\8260W_12.m
Limit Group: VOA 8260 DEL ICAL
Last Update: 30-Jun-2022 14:55:01 Calib Date: 29-Jun-2022 05:49:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Continuing Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS12\20220629-147196.b\O78558.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1621

First Level Reviewer: RD6L Date: 29-Jun-2022 11:56:53

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Chlorotrifluoroethene	116	0.879	0.878	0.001	84	17407	NC	NC	
3 Dichlorodifluoromethane	85	0.890	0.890	0.000	99	52797	20.0	18.6	
5 Chlorodifluoromethane	67	0.901	0.901	0.000	97	9389	NC	NC	
6 Chloromethane	50	1.004	0.993	0.011	98	66096	20.0	17.5	
7 Vinyl chloride	62	1.050	1.050	0.000	97	62642	20.0	18.3	
8 Butadiene	54	1.073	1.073	0.000	95	56215	NC	NC	
9 Bromomethane	94	1.221	1.221	0.000	98	36509	20.0	18.7	
10 Chloroethane	64	1.278	1.278	0.000	98	40360	20.0	19.3	
11 Dichlorofluoromethane	67	1.392	1.392	0.000	99	86964	NC	NC	
12 Trichlorofluoromethane	101	1.427	1.427	0.001	98	66124	20.0	18.6	
13 Pentane	57	1.472	1.472	0.000	97	24307	40.0	39.2	
14 Ethanol	46	1.529	1.529	0.000	95	12231	800.0	777.9	
15 Ethyl ether	59	1.587	1.586	0.000	95	44219	20.0	19.1	
16 1,2-Dichloro-1,1,2-trifluoroetha	117	1.587	1.586	0.000	88	43394	NC	NC	
17 2-Methyl-1,3-butadiene	53	1.598	1.598	0.000	91	53009	20.0	18.7	
18 1,1,1-Trifluoro-2,2-dichloroetha	83	1.621	1.632	-0.011	94	69271	NC	NC	
19 Acrolein	56	1.666	1.666	0.000	94	11862	40.0	38.3	
20 1,1-Dichloroethene	96	1.724	1.723	0.001	98	47015	20.0	18.4	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	1.724	1.723	0.001	98	46936	20.0	18.8	
22 Acetone	58	1.746	1.746	0.000	89	20817	100.0	99.4	
23 Iodomethane	142	1.803	1.815	-0.012	97	63734	20.0	18.3	
24 Isopropyl alcohol	45	1.849	1.849	0.000	29	26312	200.0	184.0	
25 Carbon disulfide	76	1.849	1.849	0.000	99	177125	20.0	18.8	
26 Acetonitrile	38	1.940	1.940	0.000	80	15881	200.0	172.5	
27 3-Chloro-1-propene	76	1.940	1.940	0.000	95	35918	NC	NC	
28 Methyl acetate	43	1.952	1.952	0.000	98	46397	40.0	34.5	
29 Cyclopentene	67	1.998	1.997	0.001	97	133469	NC	NC	
30 Methylene Chloride	84	2.020	2.020	0.000	92	58800	20.0	18.4	
* 31 TBA-d9 (IS)	65	2.032	2.043	-0.011	100	200945	1000.0	1000.0	
32 2-Methyl-2-propanol	59	2.089	2.089	0.000	99	41856	200.0	182.7	
33 Acrylonitrile	53	2.169	2.169	0.000	96	174011	200.0	194.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
34 trans-1,2-Dichloroethene	96	2.192	2.203	-0.011	94	53002	20.0	19.3	
35 Methyl tert-butyl ether	73	2.203	2.203	0.000	98	165306	20.0	19.4	
36 Hexane	57	2.397	2.397	0.000	91	56067	20.0	18.9	
37 1,1-Dichloroethane	63	2.488	2.488	0.000	99	95149	20.0	19.2	
38 Vinyl acetate	86	2.534	2.534	0.000	100	25236	40.0	41.9	
39 Isopropyl ether	45	2.557	2.557	0.000	87	194408	20.0	18.4	
40 2-Chloro-1,3-butadiene	88	2.557	2.557	0.000	88	58198	NC	NC	
41 Tert-butyl ethyl ether	59	2.831	2.831	0.000	89	185134	20.0	18.7	
* 43 2-Butanone-d5	46	2.888	2.888	0.000	99	267025	250.0	250.0	
44 2,2-Dichloropropane	97	2.922	2.922	0.000	81	19505	20.0	18.6	
45 cis-1,2-Dichloroethene	96	2.922	2.922	0.000	93	56076	20.0	18.9	
46 2-Butanone (MEK)	72	2.945	2.945	0.000	99	30126	100.0	85.4	
42 Propionitrile	54	2.979	2.991	-0.012	98	60024	NC	NC	
47 Ethyl acetate	70	3.002	3.002	0.000	99	13607	40.0	37.4	
48 Methyl acrylate	55	3.036	3.036	0.000	99	57249	NC	NC	M
50 Methacrylonitrile	67	3.105	3.105	0.000	90	227482	NC	NC	
49 Chlorobromomethane	128	3.116	3.116	0.000	90	26788	20.0	17.7	
51 Tetrahydrofuran	42	3.162	3.162	0.000	89	23852	40.0	38.9	
52 Chloroform	83	3.185	3.185	0.000	99	84506	20.0	18.3	
$ 53 Dibromofluoromethane (Surr)	113	3.322	3.322	0.000	97	125405	50.0	50.1	
54 1,1,1-Trichloroethane	97	3.345	3.345	0.000	98	75584	20.0	18.5	
55 Cyclohexane	84	3.390	3.390	0.000	89	73055	20.0	19.2	
56 Carbon tetrachloride	117	3.493	3.493	0.000	98	62114	20.0	17.9	
57 1,1-Dichloropropene	75	3.493	3.493	0.000	97	77333	20.0	18.4	
$ 58 1,2-Dichloroethane-d4 (Surr)	65	3.619	3.619	0.000	0	138475	50.0	48.2	
61 Isobutyl alcohol	43	3.642	3.641	0.001	97	47367	NC	NC	a
59 Benzene	78	3.676	3.676	0.000	95	231376	20.0	19.2	
60 1,2-Dichloroethane	62	3.687	3.687	0.000	96	64102	20.0	19.3	
63 Isopropyl acetate	61	3.779	3.778	0.001	96	22815	20.0	19.7	
62 Isooctane	57	3.779	3.778	0.001	95	169056	20.0	18.4	
64 Tert-amyl methyl ether	73	3.801	3.801	0.000	98	176068	20.0	19.4	
* 65 Fluorobenzene	96	3.938	3.938	0.000	99	616286	50.0	50.0	
66 n-Heptane	43	3.973	3.972	0.001	90	49751	20.0	18.5	
67 Trichloroethene	95	4.315	4.315	0.000	97	55851	20.0	19.0	
68 n-Butanol	56	4.349	4.372	-0.023	98	19863	500.0	575.5	
69 Ethyl acrylate	55	4.464	4.475	-0.011	98	56460	20.0	20.4	a
70 Methylcyclohexane	83	4.509	4.509	0.000	94	64569	20.0	18.2	
71 1,2-Dichloropropane	63	4.532	4.532	0.000	94	62695	20.0	19.0	
* 72 1,4-Dioxane-d8	96	4.646	4.646	0.000	0	34530	1000.0	1000.0	
73 Dibromomethane	93	4.658	4.657	0.001	98	31248	20.0	20.0	
74 1,4-Dioxane	88	4.703	4.703	0.000	93	15608	400.0	421.8	
75 Methyl methacrylate	100	4.715	4.715	0.000	88	31798	40.0	37.9	
76 n-Propyl acetate	43	4.806	4.806	0.000	97	69638	20.0	20.0	
77 Dichlorobromomethane	83	4.840	4.840	0.000	99	69812	20.0	18.9	
78 2-Nitropropane	41	5.103	5.103	0.000	98	23859	NC	NC	
79 2-Chloroethyl vinyl ether	63	5.228	5.228	0.000	96	38695	20.0	19.8	
80 Epichlorohydrin	57	5.274	5.274	0.000	99	106549	400.0	389.6	
81 cis-1,3-Dichloropropene	75	5.366	5.365	0.001	90	98650	20.0	19.3	
82 4-Methyl-2-pentanone (MIBK)	43	5.582	5.582	0.000	95	250061	100.0	94.3	
$ 83 Toluene-d8 (Surr)	98	5.685	5.685	0.000	99	574116	50.0	49.5	
84 Toluene	91	5.765	5.765	0.000	94	235680	20.0	19.0	
85 trans-1,3-Dichloropropene	75	6.085	6.085	0.000	95	83974	20.0	20.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
86 Ethyl methacrylate	69	6.267	6.267	0.000	88	64301	20.0	19.1	a
87 1,1,2-Trichloroethane	83	6.290	6.302	-0.012	95	43589	20.0	19.7	
88 Tetrachloroethene	166	6.462	6.461	0.001	96	48301	20.0	19.3	
89 1,3-Dichloropropane	76	6.507	6.507	0.000	92	89900	20.0	19.6	
90 2-Hexanone	43	6.690	6.690	0.000	94	152425	100.0	94.4	
91 Chlorodibromomethane	129	6.804	6.804	0.000	97	51688	20.0	20.2	
93 Ethylene Dibromide	107	6.930	6.929	0.001	99	48436	20.0	19.5	
92 n-Butyl acetate	43	6.941	6.941	0.000	98	58661	20.0	20.9	
* 94 Chlorobenzene-d5	117	7.603	7.614	-0.011	87	422591	50.0	50.0	
95 Chlorobenzene	112	7.649	7.649	0.000	96	153362	20.0	19.8	
96 1,1,1,2-Tetrachloroethane	131	7.786	7.786	0.000	97	47663	20.0	19.7	
97 Ethylbenzene	106	7.854	7.854	0.000	98	78934	20.0	20.0	
98 m-Xylene & p-Xylene	106	8.048	8.048	0.000	100	97086	20.0	19.1	
99 o-Xylene	106	8.631	8.631	0.000	94	94292	20.0	18.5	
100 Styrene	104	8.665	8.665	0.000	96	160301	20.0	19.2	
101 n-Butyl acrylate	73	8.733	8.733	0.000	99	34789	20.0	20.1	
102 Bromoform	173	8.882	8.882	0.000	96	31420	20.0	19.4	
103 Amyl acetate (mixed isomers)	43	9.122	9.122	0.000	93	73351	20.0	20.3	
104 Isopropylbenzene	105	9.236	9.236	0.000	95	208527	20.0	19.1	
$ 105 4-Bromofluorobenzene	174	9.430	9.430	0.000	88	161527	50.0	48.0	
106 Bromobenzene	156	9.624	9.624	0.000	99	61165	20.0	19.2	
107 1,1,2,2-Tetrachloroethane	83	9.738	9.738	0.000	99	66174	20.0	21.0	
108 1,2,3-Trichloropropane	75	9.750	9.761	-0.011	98	51676	20.0	21.5	
109 trans-1,4-Dichloro-2-butene	75	9.841	9.841	0.000	92	26526	20.0	20.8	
110 N-Propylbenzene	91	9.898	9.898	0.000	100	222069	20.0	19.8	
111 2-Chlorotoluene	91	9.967	9.966	0.000	97	158704	20.0	19.7	
112 4-Ethyltoluene	105	10.104	10.103	0.001	99	192090	NC	NC	
113 4-Chlorotoluene	91	10.161	10.160	0.001	97	180897	20.0	20.2	
114 1,3,5-Trimethylbenzene	105	10.218	10.218	0.000	94	151927	20.0	19.3	
115 Butyl Methacrylate	87	10.503	10.503	0.000	89	58223	20.0	20.0	
116 tert-Butylbenzene	119	10.731	10.731	0.000	95	126130	20.0	19.7	
117 1,2,4-Trimethylbenzene	105	10.811	10.823	-0.012	97	147613	20.0	19.9	
118 sec-Butylbenzene	105	11.097	11.097	0.000	99	169266	20.0	19.5	
119 1,3-Dichlorobenzene	146	11.188	11.188	0.000	96	102859	20.0	19.4	
* 120 1,4-Dichlorobenzene-d4	152	11.291	11.291	0.000	95	227242	50.0	50.0	
121 1,4-Dichlorobenzene	146	11.314	11.314	0.000	96	111903	20.0	19.7	
122 4-Isopropyltoluene	119	11.337	11.336	0.001	98	136934	20.0	19.2	
123 1,2,3-Trimethylbenzene	105	11.416	11.416	0.000	98	164290	20.0	20.1	
124 Benzyl chloride	126	11.508	11.519	-0.011	99	25981	20.0	20.9	
125 2,3-Dihydroindene	117	11.622	11.622	0.000	95	200831	NC	NC	
126 1,2-Dichlorobenzene	146	11.736	11.736	0.000	96	110506	20.0	20.6	
127 p-Diethylbenzene	119	11.782	11.782	0.000	93	69808	NC	NC	
128 n-Butylbenzene	92	11.805	11.804	0.001	97	60086	20.0	19.1	
129 1,2-Dibromo-3-Chloropropane	157	12.433	12.432	0.001	96	12750	20.0	21.0	
130 1,2,4,5-Tetramethylbenzene	119	12.444	12.444	0.000	97	111045	NC	NC	
131 1,3,5-Trichlorobenzene	180	12.592	12.592	0.000	97	48466	20.0	19.3	
132 1,2,4-Trichlorobenzene	180	13.003	13.003	0.000	94	41714	20.0	19.5	
133 Hexachlorobutadiene	225	13.118	13.117	0.001	97	23358	20.0	19.6	
134 Naphthalene	128	13.140	13.140	0.000	99	117985	20.0	21.0	
135 1,2,3-Trichlorobenzene	180	13.277	13.289	-0.012	95	40557	20.0	20.1	
S 137 1,2-Dichloroethene, Total	100				0		40.0	38.2	
S 138 Xylenes, Total	100				0		40.0	37.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 139 Total BTEX	1				0		100.0	95.6	

QC Flag Legend

Processing Flags
NC - Not Calibrated
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

8260SURR250_00230	Amount Added:	1.00	Units: uL	
ACROLEIN W_00141	Amount Added:	4.00	Units: uL	
8260MIX1COMB_00155	Amount Added:	20.00	Units: uL	
GASES Li_00482	Amount Added:	20.00	Units: uL	
524freon_00054	Amount Added:	20.00	Units: uL	
8260ISNEW_00171	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 30-Jun-2022 14:55:03 Chrom Revision: 2.3 20-Jun-2022 20:10:40

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS12\20220629-147223.b\O78570.d

Injection Date: 29-Jun-2022 11:02:30 Instrument ID: CVOAMS12 Operator ID:

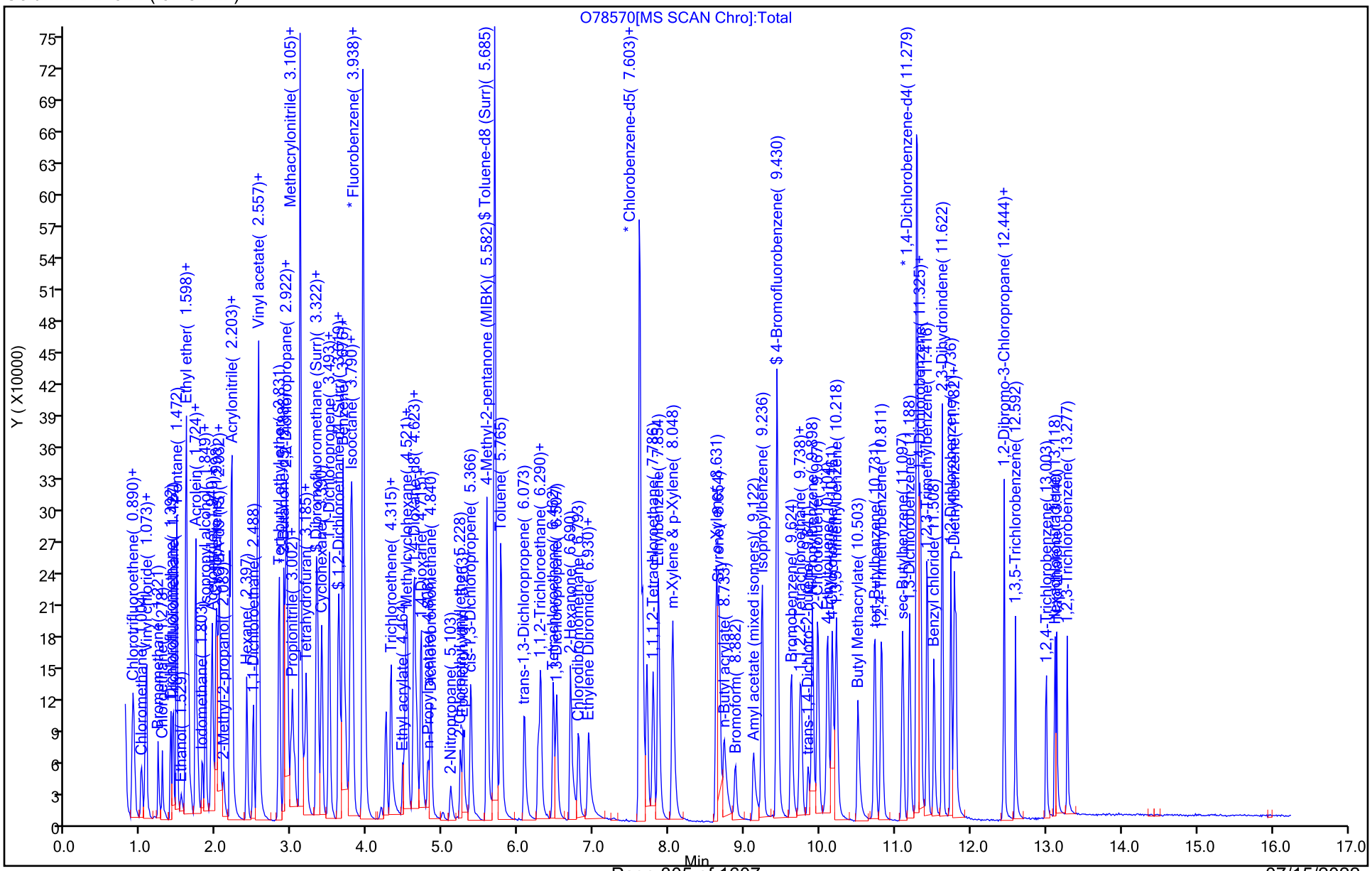
Lims ID: LCSD Worklist Smp#: 4

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 50.0000 ALS Bottle#: 3

Method: 8260W_12 Limit Group: VOA 8260 DEL ICAL

Column: DB-624 (0.18 mm)



GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Edison Job No.: 460-260852-1

SDG No.:

Instrument ID: CVOAMS12 Start Date: 06/29/2022 02:03

Analysis Batch Number: 852547 End Date: 06/29/2022 09:11

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-852547/1		06/29/2022 02:03	1	O78550.d	DB-624 0.18(mm)
STD7 460-852547/3 IC		06/29/2022 03:18	1	O78552.d	DB-624 0.18(mm)
STD1 460-852547/4 IC		06/29/2022 03:43	1	O78553.d	DB-624 0.18(mm)
STD5 460-852547/5 IC		06/29/2022 04:09	1	O78554.d	DB-624 0.18(mm)
STD20 460-852547/6 ICIS		06/29/2022 04:34	1	O78555.d	DB-624 0.18(mm)
STD50 460-852547/7 IC		06/29/2022 04:59	1	O78556.d	DB-624 0.18(mm)
STD200 460-852547/8 IC		06/29/2022 05:24	1	O78557.d	DB-624 0.18(mm)
STD500 460-852547/9 IC		06/29/2022 05:49	1	O78558.d	DB-624 0.18(mm)
ICV 460-852547/17		06/29/2022 09:11	1	O78566.d	DB-624 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Edison Job No.: 460-260852-1

SDG No.:

Instrument ID: CVOAMS12 Start Date: 06/29/2022 09:57

Analysis Batch Number: 852635 End Date: 06/29/2022 21:07

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-852635/1		06/29/2022 09:57	1	O78567.d	DB-624 0.18(mm)
CCVIS 460-852635/2		06/29/2022 10:11	1	O78568.d	DB-624 0.18(mm)
LCS 460-852635/3		06/29/2022 10:36	50	O78569.d	DB-624 0.18(mm)
LCSD 460-852635/4		06/29/2022 11:02	50	O78570.d	DB-624 0.18(mm)
MB 460-852635/8		06/29/2022 12:43	50	O78574.d	DB-624 0.18(mm)
ZZZZZ		06/29/2022 15:14	50		DB-624 0.18(mm)
ZZZZZ		06/29/2022 15:39	50		DB-624 0.18(mm)
460-260852-19	BHP-FS-GRAB-S301	06/29/2022 16:55	50	O78584.d	DB-624 0.18(mm)
ZZZZZ		06/29/2022 17:20	50		DB-624 0.18(mm)
ZZZZZ		06/29/2022 17:45	50		DB-624 0.18(mm)
ZZZZZ		06/29/2022 18:11	50		DB-624 0.18(mm)
ZZZZZ		06/29/2022 18:36	50		DB-624 0.18(mm)
ZZZZZ		06/29/2022 19:01	50		DB-624 0.18(mm)
ZZZZZ		06/29/2022 19:26	50		DB-624 0.18(mm)
ZZZZZ		06/29/2022 19:51	50		DB-624 0.18(mm)
460-260852-2	BHP-FENCE-COMP-S001	06/29/2022 20:16	50	O78592.d	DB-624 0.18(mm)
CCV 460-852635/28		06/29/2022 21:07	1	O78594.d	DB-624 0.18(mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-260852-1

SDG No.:

Batch Number: 852315 Batch Start Date: 06/27/22 17:20 Batch Analyst: Cho, Jordan J

Batch Method: 5035 Batch End Date: 06/27/22 17:23

Lab Sample ID	Client Sample ID	Method Chain	Basis	TareWeight	Vial&SampleWt	InitialAmount	FinalAmount	VMC8PrepSU 00607	
460-260852-B-2	BHP-FENCE-COMP-S 001	5035, 8260B	T	44.42 g	54.74 g	10.32 g	25 mL	25 mL	
460-260852-A-19	BHP-FS-GRAB-S301	5035, 8260B	T	45.20 g	55.46 g	10.26 g	25 mL	25 mL	

Batch Notes	
Balance ID	35
Blank Matrix ID	170485
Pipette/Syringe/Dispenser ID	5
Vial Lot Number	0110901H
Batch Comment	Methanol lot # 288059

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.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-260852-1

SDG No.:

Batch Number: 852547 Batch Start Date: 06/29/22 02:03 Batch Analyst: Boykin, Kenneth

Batch Method: 8260B Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	14DIOXINTER 00143	524freon 00054	8260 SP 00155	8260ISNEW 00171
BFB 460-852547/1		8260B		5 mL	5 mL				1 uL
STD7 460-852547/3 IC		8260B		5 mL	5 mL				1 uL
STD1 460-852547/4 IC		8260B		5 mL	5 mL	30 uL	10 uL		1 uL
STD5 460-852547/5 IC		8260B		5 mL	5 mL		10 uL		1 uL
STD20 460-852547/6 ICIS		8260B		5 mL	5 mL		20 uL		1 uL
STD50 460-852547/7 IC		8260B		5 mL	5 mL		50 uL		1 uL
STD200 460-852547/8 IC		8260B		5 mL	5 mL				1 uL
STD500 460-852547/9 IC		8260B		5 mL	5 mL				1 uL
ICV 460-852547/17		8260B		5 mL	5 mL			20 uL	1 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	8260MIX1COMB 00155	8260SURR250 00230	8FreonHi 00046	8FreonsSS 00046	ACROLEIN SP 00139	ACROLEIN W 00141
BFB 460-852547/1		8260B							
STD7 460-852547/3 IC		8260B			1 uL				
STD1 460-852547/4 IC		8260B		10 uL	1 uL				4 uL
STD5 460-852547/5 IC		8260B		10 uL	1 uL				4 uL
STD20 460-852547/6 ICIS		8260B		20 uL	1 uL				4 uL
STD50 460-852547/7 IC		8260B		50 uL	1 uL				10 uL
STD200 460-852547/8 IC		8260B			1 uL	20 uL			20 uL
STD500 460-852547/9 IC		8260B			1 uL	50 uL			40 uL
ICV 460-852547/17		8260B			1 uL		20 uL	4 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 VOA BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-260852-1

SDG No.:

Batch Number: 852547 Batch Start Date: 06/29/22 02:03 Batch Analyst: Boykin, Kenneth

Batch Method: 8260B Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	ACRY/EPIH MIX 00101	BFB 00031	Ethanol mix 00066	GAS C SP 00468	GAS Hi 00417	GASES Li 00482
BFB 460-852547/1		8260B			1 uL				
STD7 460-852547/3 IC		8260B		20 uL					2.5 uL
STD1 460-852547/4 IC		8260B							10 uL
STD5 460-852547/5 IC		8260B							10 uL
STD20 460-852547/6 ICIS		8260B							20 uL
STD50 460-852547/7 IC		8260B							50 uL
STD200 460-852547/8 IC		8260B				20 uL		20 uL	
STD500 460-852547/9 IC		8260B				50 uL		50 uL	
ICV 460-852547/17		8260B					20 uL		

Lab Sample ID	Client Sample ID	Method Chain	Basis	MIX 2 Hi 00124	MIX I Hi 00151				
BFB 460-852547/1		8260B							
STD7 460-852547/3 IC		8260B							
STD1 460-852547/4 IC		8260B							
STD5 460-852547/5 IC		8260B							
STD20 460-852547/6 ICIS		8260B							
STD50 460-852547/7 IC		8260B							
STD200 460-852547/8 IC		8260B		20 uL	20 uL				
STD500 460-852547/9 IC		8260B		50 uL	50 uL				
ICV 460-852547/17		8260B							

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 VOA BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-260852-1

SDG No.:

Batch Number: 852547 Batch Start Date: 06/29/22 02:03 Batch Analyst: Boykin, Kenneth

Batch Method: 8260B Batch End Date:

Batch Notes	

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 VOA BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-260852-1

SDG No.:

Batch Number: 852635 Batch Start Date: 06/29/22 09:57 Batch Analyst: Boykin, Kenneth

Batch Method: 8260B Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	524freon 00054	8260ISNEW 00171	8260MIX1COMB 00155	8260SURR250 00230
BFB 460-852635/1		8260B		5 mL	5 mL		1 uL		
CCVIS 460-852635/2		8260B		5 mL	5 mL	20 uL	1 uL	20 uL	1 uL
LCS 460-852635/3		8260B		5 mL	5 mL	20 uL	1 uL	20 uL	1 uL
LCSD 460-852635/4		8260B		5 mL	5 mL	20 uL	1 uL	20 uL	1 uL
MB 460-852635/8		8260B		5 mL	5 mL		1 uL		1 uL
460-260852-A-19 -A	BHP-FS-GRAB-S301	8260B	T	5 mL	5 mL		1 uL		
460-260852-B-2- A	BHP-FENCE-COMP-S 001	8260B	T	5 mL	5 mL		1 uL		
CCV 460-852635/28		8260B		5 mL	5 mL	20 uL	1 uL	20 uL	1 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	ACROLEIN W 00141	BFB 00031	GASES Li 00482			
BFB 460-852635/1		8260B			1 uL				
CCVIS 460-852635/2		8260B		4 uL		20 uL			
LCS 460-852635/3		8260B		4 uL		20 uL			
LCSD 460-852635/4		8260B		4 uL		20 uL			
MB 460-852635/8		8260B							
460-260852-A-19 -A	BHP-FS-GRAB-S301	8260B	T						
460-260852-B-2- A	BHP-FENCE-COMP-S 001	8260B	T						
CCV 460-852635/28		8260B		4 uL		20 uL			

Batch Notes	

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 VOA BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-260852-1

SDG No.:

Batch Number: 852635 Batch Start Date: 06/29/22 09:57 Batch Analyst: Boykin, Kenneth

Batch Method: 8260B Batch End Date:

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

Semivolatile Organic Compounds (GC/MS)

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-260852-1

SDG No.:

Matrix: Solid (TCLP) Level: Low

GC Column (1): Rtxi-5Sil M ID: 0.25(mm)

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPHL #
BHP-FENCE-COMP-S001	460-260852-2	44	29	107	104	135	71
	MB 460-852633/1-A	40	26	106	100	137	90
	LB 460-852487/1-D	44	29	117	108	143	119
	LCS 460-852633/2-A	42	30	104	95	135	87
	LCSD 460-852633/3-A	38	28	96	87	123	81

	QC LIMITS
2FP = 2-Fluorophenol (Surr)	19-80
PHL = Phenol-d5 (Surr)	10-56
NBZ = Nitrobenzene-d5 (Surr)	52-137
FBP = 2-Fluorobiphenyl	46-139
TBP = 2,4,6-Tribromophenol (Surr)	37-150
TPHL = Terphenyl-d14 (Surr)	22-150

Column to be used to flag recovery values

FORM II 8270E

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-260852-1

SDG No.:

Matrix: Water Level: Low Lab File ID: M237189.D

Lab ID: LCS 460-852633/2-A Client ID:

COMPOUND	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC	QC LIMITS REC	#
1,4-Dichlorobenzene	0.0800	0.0812	102	35-120	
2,4,5-Trichlorophenol	0.0800	0.0881	110	58-120	
2,4,6-Trichlorophenol	0.0800	0.0935	117	61-120	
2,4-Dinitrotoluene	0.0800	0.102	127	68-134	
2-Methylphenol	0.0800	0.0579	72	44-120	
3 & 4 Methylphenol	0.0800	0.0498	62	35-120	
Hexachlorobenzene	0.0800	0.0899	112	61-128	
Hexachlorobutadiene	0.0800	0.0915	114	27-127	
Hexachloroethane	0.0800	0.0842	105	26-120	
Nitrobenzene	0.0800	0.0940	117	64-120	
Pentachlorophenol	0.160	0.128	80	24-131	
Pyridine	0.160	0.0467	29	10-120	

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 Edison Job No.: 460-260852-1

SDG No.:

Matrix: Water Level: Low Lab File ID: M237191.D

Lab ID: LCSD 460-852633/3-A Client ID:

COMPOUND	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,4-Dichlorobenzene	0.0800	0.0763	95	6	30	35-120	
2,4,5-Trichlorophenol	0.0800	0.0818	102	7	30	58-120	
2,4,6-Trichlorophenol	0.0800	0.0859	107	8	30	61-120	
2,4-Dinitrotoluene	0.0800	0.0944	118	7	30	68-134	
2-Methylphenol	0.0800	0.0547	68	6	30	44-120	
3 & 4 Methylphenol	0.0800	0.0462	58	7	30	35-120	
Hexachlorobenzene	0.0800	0.0854	107	5	30	61-128	
Hexachlorobutadiene	0.0800	0.0868	108	5	30	27-127	
Hexachloroethane	0.0800	0.0806	101	4	30	26-120	
Nitrobenzene	0.0800	0.0901	113	4	30	64-120	
Pentachlorophenol	0.160	0.122	76	5	30	24-131	
Pyridine	0.160	0.0425	27	9	30	10-120	

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 Edison Job No.: 460-260852-1

SDG No.:

Lab File ID: M237188.D Lab Sample ID: MB 460-852633/1-A

Matrix: Water Date Extracted: 06/29/2022 09:31

Instrument ID: CBNAMS17 Date Analyzed: 06/29/2022 19:29

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-852633/2-A	M237189.D	06/29/2022 19:50
	LB 460-852487/1-D	M237190.D	06/29/2022 20:11
	LCSD 460-852633/3-A	M237191.D	06/29/2022 20:32
BHP-FENCE-COMP-S001	460-260852-2	M237208.D	06/30/2022 02:27

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Edison Job No.: 460-260852-1

SDG No.:

Lab File ID: M234654.D DFTPP Injection Date: 03/10/2022

Instrument ID: CBNAMS17 DFTPP Injection Time: 10:28

Analysis Batch No.: 832677

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2% of m/z 69	0.5 (1.1) 1
69	Present	44.1
70	Less than 2% of m/z 69	0.3 (0.7) 1
197	Less than 2% of m/z 198	0.0
198	Base Peak	100.0
199	5-9% of m/z 198	6.7
365	Greater than 1% of Base Peak	3.1
441	Less than 150% of m/z 443	13.8 (81.5) 3
442	Present	88.8
443	15-24% of m/z 442	16.9 (19.0) 2

1-Value is % mass 69 2-Value is % mass 442 3-Value is % mass 443

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
	ICIS 460-832677/2	M234655.D	03/10/2022	10:44
	STD24 460-832677/3	M234656.D	03/10/2022	11:04
	STD16 460-832677/4	M234657.D	03/10/2022	11:25
	STD4 460-832677/5	M234658.D	03/10/2022	11:47
	STD2 460-832677/6	M234659.D	03/10/2022	12:08
	STD1 460-832677/7	M234660.D	03/10/2022	12:29
	STD04 460-832677/8	M234661.D	03/10/2022	12:50
	STD02 460-832677/9	M234662.D	03/10/2022	13:11
	STD01 460-832677/10	M234663.D	03/10/2022	13:32

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Edison Job No.: 460-260852-1

SDG No.:

Sample No.: CCVIS 460-852775/2 Date Analyzed: 06/29/2022 18:46

Instrument ID: CBNAMS17 GC Column: Rtxi-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): M237186.D Heated Purge: (Y/N) N

Calibration ID: 89540

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		81335	4.01	305114	5.24	176379	6.92
UPPER LIMIT		162670	4.51	610228	5.74	352758	7.42
LOWER LIMIT		40668	3.51	152557	4.74	88190	6.42
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 460-852633/1-A		82491	4.00	304534	5.24	177631	6.92
LCS 460-852633/2-A		82843	4.01	311532	5.24	173833	6.92
LB 460-852487/1-D		77804	4.01	281856	5.24	167841	6.93
LCSD 460-852633/3-A		89337	4.01	340715	5.24	190895	6.93
460-260852-2	BHP-FENCE-COMP-S001	82706	4.01	314766	5.24	181425	6.92

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 Edison Job No.: 460-260852-1

SDG No.:

Sample No.: CCVIS 460-852775/2 Date Analyzed: 06/29/2022 18:46

Instrument ID: CBNAMS17 GC Column: Rtxi-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): M237186.D Heated Purge: (Y/N) N

Calibration ID: 89540

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		302881	8.33	252791	10.90	268263	12.74
UPPER LIMIT		605762	8.83	505582	11.40	536526	13.24
LOWER LIMIT		151441	7.83	126396	10.40	134132	12.24
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 460-852633/1-A		323739	8.33	271370	10.90	292553	12.74
LCS 460-852633/2-A		313170	8.33	263004	10.90	272981	12.74
LB 460-852487/1-D		310086	8.33	258646	10.90	283623	12.74
LCSD 460-852633/3-A		337589	8.33	288158	10.90	291949	12.74
460-260852-2	BHP-FENCE-COMP-S001	333738	8.32	283802	10.90	299917	12.74

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 Edison | Job No.: 460-260852-1

SDG No.:

Client Sample ID: BHP-FENCE-COMP-S001 | Lab Sample ID: 460-260852-2

Matrix: Solid (TCLP) | Lab File ID: M237208.D

Analysis Method: 8270E | Date Collected: 06/23/2022 14:00

Extract. Method: 3510C | Date Extracted: 06/29/2022 09:31

Sample wt/vol: 250(mL) | Date Analyzed: 06/30/2022 02:27

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 852775 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-46-7	1,4-Dichlorobenzene	0.00044	U	0.010	0.00044
95-95-4	2,4,5-Trichlorophenol	0.00088	U	0.010	0.00088
88-06-2	2,4,6-Trichlorophenol	0.00086	U	0.010	0.00086
121-14-2	2,4-Dinitrotoluene	0.0010	U	0.0020	0.0010
95-48-7	2-Methylphenol	0.00067	U	0.010	0.00067
15831-10-4	3 & 4 Methylphenol	0.00064	U	0.010	0.00064
118-74-1	Hexachlorobenzene	0.00040	U	0.0010	0.00040
87-68-3	Hexachlorobutadiene	0.00078	U	0.0020	0.00078
67-72-1	Hexachloroethane	0.00080	U	0.0020	0.00080
98-95-3	Nitrobenzene	0.00057	U	0.0010	0.00057
87-86-5	Pentachlorophenol	0.0014	U	0.030	0.0014
110-86-1	Pyridine	0.0019	U	0.010	0.0019

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	135		37-150
321-60-8	2-Fluorobiphenyl	104		46-139
367-12-4	2-Fluorophenol (Surr)	44		19-80
4165-60-0	Nitrobenzene-d5 (Surr)	107		52-137
4165-62-2	Phenol-d5 (Surr)	29		10-56
1718-51-0	Terphenyl-d14 (Surr)	71		22-150

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS17\20220629-147245.b\M237208.D
Lims ID: 460-260852-C-2-D
Client ID: BHP-FENCE-COMP-S001
Sample Type: Client
Inject. Date: 30-Jun-2022 02:27:30 ALS Bottle#: 24 Worklist Smp#: 24
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0147245-024
Operator ID: Instrument ID: CBNAMS17

Method: \\chromfs\Edison\ChromData\CBNAMS17\20220629-147245.b\8270LVI_17.m
Limit Group: SV 8270E ICAL
Last Update: 30-Jun-2022 01:48:33 Calib Date: 10-Mar-2022 13:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS17\20220310-142495.b\M234663.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1631

First Level Reviewer: maheseep Date: 30-Jun-2022 14:53:48

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
$ 4 2-Fluorophenol	112	2.808	2.812	-0.006	93	60380	4.36	
$ 6 Phenol-d5	99	3.727	3.717	0.007	0	49820	2.94	
* 14 1,4-Dichlorobenzene-d4	152	4.005	4.008	-0.003	97	82706	8.00	
$ 27 Nitrobenzene-d5	82	4.550	4.553	-0.004	92	153572	10.7	
* 38 Naphthalene-d8	136	5.243	5.244	-0.001	99	314766	8.00	
$ 51 2-Fluorobiphenyl	172	6.290	6.289	-0.001	97	334831	10.4	
* 64 Acenaphthene-d10	164	6.922	6.924	-0.002	96	181425	8.00	
$ 80 2,4,6-Tribromophenol	330	7.679	7.679	-0.003	94	55658	13.5	
* 87 Phenanthrene-d10	188	8.323	8.327	-0.004	99	333738	8.00	
$ 96 Terphenyl-d14	244	9.840	9.840	-0.002	98	251734	7.08	
* 102 Chrysene-d12	240	10.900	10.903	-0.003	99	283802	8.00	
* 109 Perylene-d12	264	12.739	12.741	-0.002	98	299917	8.00	

QC Flag Legend
Processing Flags

Reagents:
SM_ISTD_LVI_00193 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 30-Jun-2022 14:53:49 Chrom Revision: 2.3 20-Jun-2022 20:10:40

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS17\20220629-147245.b\M237208.D

Injection Date: 30-Jun-2022 02:27:30 Instrument ID: CBNAMS17

Lims ID: 460-260852-C-2-D Lab Sample ID: 460-260852-2

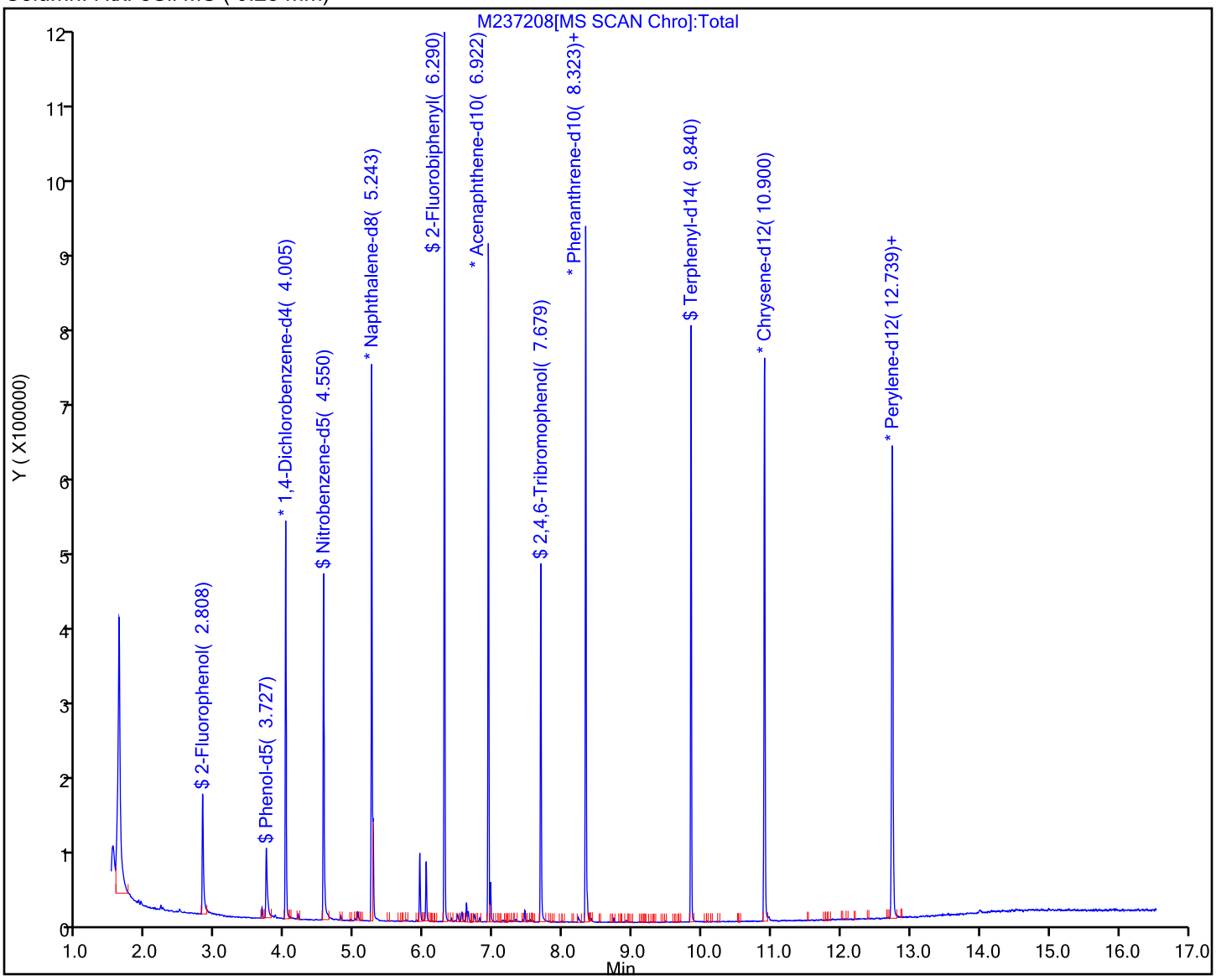
Client ID: BHP-FENCE-COMP-S001

Operator ID: ALS Bottle#: 24 Worklist Smp#: 24

Injection Vol: 5.0 ul Dil. Factor: 1.0000

Method: 8270LVI_17 Limit Group: SV 8270E ICAL

Column: Rtxi-5Sil MS (0.25 mm)



FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-260852-1 Analy Batch No.: 832677

SDG No.:

Instrument ID: CBNAMS17 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/10/2022 10:44 Calibration End Date: 03/10/2022 13:32 Calibration ID: 89540

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 460-832677/10	M234663.D
Level 2	STD02 460-832677/9	M234662.D
Level 3	STD04 460-832677/8	M234661.D
Level 4	STD1 460-832677/7	M234660.D
Level 5	STD2 460-832677/6	M234659.D
Level 6	STD4 460-832677/5	M234658.D
Level 7	ICIS 460-832677/2	M234655.D
Level 8	STD16 460-832677/4	M234657.D
Level 9	STD24 460-832677/3	M234656.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		B	M1	M2								
1,4-Dioxane	0.5215	0.4899	0.5028	0.6764 0.4642	0.5931	Ave		0.5413			0.0100	14.6		20.0			
N-Nitrosodimethylamine	0.7470	0.7566	0.7544	0.7914 0.7453	0.7991	Ave		0.7656			0.0100	3.1		20.0			
Pyridine	1.1563 1.1683	1.1091 1.1229	1.2030	1.2783 1.1759	1.2428	Ave		1.1821			0.0100	4.9		20.0			
Benzaldehyde	1.0794	1.2192 +++++	1.1688 +++++	1.1227 +++++	1.0934	Ave		1.1367			0.0100	5.1		20.0			
Phenol	1.6045	1.6175	1.6480	1.6874 1.6165	1.6674	Ave		1.6402			0.8000	2.0		20.0			
Aniline	1.8894	1.8916	1.9339	2.0672 1.9062	1.9693	Ave		1.9429			0.0100	3.5		20.0			
Bis(2-chloroethyl)ether	1.1263 1.1616	1.2238 1.1935	1.1976	1.2524 1.1648	1.2309	Ave		1.1939			0.7000	3.5		20.0			
2-Chlorophenol	1.3105	1.3417	1.3687	1.3534 1.3318	1.3921	Ave		1.3497			0.8000	2.1		20.0			
n-Decane	1.9219	1.9377	1.9089	2.0739 1.8576	2.0551	Ave		1.9592			0.0100	4.4		20.0			
1,3-Dichlorobenzene	1.5333	1.5577	1.5696	1.6517 1.5180	1.6291	Ave		1.5766			0.0100	3.4		20.0			
1,4-Dichlorobenzene	1.5613	1.5651	1.6090	1.6583 1.5435	1.6326	Ave		1.5950			0.0100	2.8		20.0			
Benzyl alcohol	0.8025	0.8492	0.8436	0.8585 0.8230	0.8431	Ave		0.8366			0.0100	2.4		20.0			

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 Edison Job No.: 460-260852-1 Analy Batch No.: 832677

SDG No.:

Instrument ID: CBNAMS17 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/10/2022 10:44 Calibration End Date: 03/10/2022 13:32 Calibration ID: 89540

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		B	M1	M2								
1,2-Dichlorobenzene	1.4894	1.4875	1.5068	1.5696 1.4657	1.5752	Ave		1.5157			0.0100	3.0		20.0			
2-Methylphenol	1.1198	1.1803	1.1836	1.2124 1.1459	1.2224	Ave		1.1774			0.7000	3.3		20.0			
2,2'-oxybis[1-chloropropane]	2.4426	2.5912	2.4873	2.6702 2.4103	2.6407	Ave		2.5404			0.0100	4.3		20.0			
N-Methylaniline	2.0171 2.0901	1.9698 1.9441	2.1048	2.0950 2.0783	2.0544	Ave		2.0442			0.0100	3.0		20.0			
Acetophenone	1.7595	1.7920	1.7686	1.9274 1.7339	1.8563	Ave		1.8063			0.0100	4.0		20.0			
3 & 4 Methylphenol	1.2701	1.2890	1.3240	1.3704 1.2888	1.3681	Ave		1.3184			0.0100	3.3		20.0			
4-Methylphenol	1.2701	1.2890	1.3190	1.3704 1.2833	1.3681	Ave		1.3167			0.6000	3.3		20.0			
N-Nitrosodi-n-propylamine	0.9231 0.8437	0.8552 0.8802	0.8805	0.9255 0.8666	0.9003	Ave		0.8844			0.5000	3.4		20.0			
Hexachloroethane	0.5380 0.5924	0.6186 0.5983	0.6072	0.6546 0.5865	0.6227	Ave		0.6023			0.3000	5.6		20.0			
Nitrobenzene	0.4030 0.5877	0.4929 0.6027	0.6242	0.6050 0.6038	0.5936	Ave		0.5641			0.2000	13.5		20.0			
n,n'-Dimethylaniline	2.1459 1.9631	2.1047 2.0008	2.0014	1.9931 1.9858	1.9412	Ave		2.0170			0.0100	3.5		20.0			
Isophorone	0.6386	0.6361 0.6532	0.6412	0.6676 0.6361	0.6718	Ave		0.6492			0.4000	2.3		20.0			
2-Nitrophenol	0.1450	0.1458	0.1622	0.1263 0.1590	0.1424	Ave		0.1468			0.1000	8.8		20.0			
2,4-Dimethylphenol	0.2973	0.3016	0.3040	0.3054 0.2973	0.3083	Ave		0.3023			0.2000	1.5		20.0			
Benzoic acid	0.0919	0.1231	0.1458	0.0479 0.1523	0.0749	Lin1	-0.139	0.1512			0.0100	15.4					
Bis(2-chloroethoxy)methane	0.3820	0.3927	0.3906	0.4030 0.3838	0.3997	Ave		0.3919			0.3000	2.1		20.0			
2,4-Dichlorophenol	0.2893	0.2940	0.2971	0.2853 0.2918	0.2902	Ave		0.2913			0.2000	1.4		20.0			
1,2,4-Trichlorobenzene	0.3155 0.3093	0.3189 0.3331	0.3156	0.3421 0.3097	0.3199	Ave		0.3205			0.0100	3.6		20.0			

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 Edison Job No.: 460-260852-1 Analy Batch No.: 832677

SDG No.:

Instrument ID: CBNAMS17 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/10/2022 10:44 Calibration End Date: 03/10/2022 13:32 Calibration ID: 89540

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		B	M1	M2								
Naphthalene	1.0438 1.0140	1.0506 1.0100	1.0118	1.0426 0.9878	1.0546	Ave		1.0269			0.7000	2.3		20.0			
4-Chloroaniline	0.4117 0.4198	0.4086 0.4283	0.4278	0.4420 0.4238	0.4387	Ave		0.4251			0.0100	2.8		20.0			
2,6-Dichlorophenol	0.2893	0.2890	0.2911	0.2864 0.2840	0.2952	Ave		0.2892				1.3		20.0			
Hexachlorobutadiene	0.1863 0.1857	0.1656 0.1861	0.1883	0.1935 0.1853	0.1901	Ave		0.1851			0.0100	4.5		20.0			
Caprolactam	0.0722	0.0550 0.0784	0.0591 0.0815	0.0637 0.0804	0.0703	Ave		0.0701			0.0100	14.3		20.0			
4-Chloro-3-methylphenol	0.2686	0.2753	0.2759	0.2568 0.2757	0.2713	Ave		0.2706			0.2000	2.7		20.0			
2-Methylnaphthalene	0.6499	0.7015 0.6520	0.6567	0.6780 0.6389	0.6795	Ave		0.6652			0.4000	3.3		20.0			
1-Methylnaphthalene	0.5903	0.5918 0.6056	0.6010	0.6356 0.5823	0.6203	Ave		0.6038			0.0100	3.1		20.0			
Hexachlorocyclopentadiene	0.4041	0.4519	0.4325	0.3931 0.4256	0.4037	Ave		0.4185			0.0500	5.3		20.0			
1,2,4,5-Tetrachlorobenzene	0.5715	0.6144	0.5807	0.6051 0.5721	0.5901	Ave		0.5890			0.0100	3.0		20.0			
2-tertbutyl-4-methylphenol	0.3878	0.3980 0.4039	0.4053	0.3899 0.4106	0.3867	Ave		0.3975			0.0100	2.4		20.0			
2,4,6-Trichlorophenol	0.3570	0.2917 0.3960	0.3857	0.3518 0.3757	0.3575	Ave		0.3594			0.2000	9.5		20.0			
2,4,5-Trichlorophenol	0.3781	0.4392	0.4146	0.3805 0.4038	0.3698	Ave		0.3977			0.2000	6.7		20.0			
1,1'-Biphenyl	1.4113	1.5601	1.4421	1.4913 1.3904	1.4561	Ave		1.4586			0.0100	4.2		20.0			
2-Chloronaphthalene	1.1523	1.2343	1.1609	1.2034 1.1411	1.1906	Ave		1.1804			0.8000	3.0		20.0			
Phenyl ether	0.7877	0.8200	0.8101	0.8004 0.8009	0.7747	Ave		0.7990			0.0100	2.0		20.0			
2-Nitroaniline	0.3737	0.4104	0.4127	0.3577 0.4103	0.3553	Ave		0.3867			0.0100	7.1		20.0			
1,3-Dimethylnaphthalene	0.8747	0.9587	0.8991	0.8648 0.8883	0.8503	Ave		0.8893			0.0100	4.3		20.0			

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 Edison Job No.: 460-260852-1 Analy Batch No.: 832677

SDG No.:

Instrument ID: CBNAMS17 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/10/2022 10:44 Calibration End Date: 03/10/2022 13:32 Calibration ID: 89540

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		B	M1	M2								
Dimethyl phthalate	1.2595	1.3645	1.2686	1.2921 1.2493	1.3131	Ave		1.2912			0.0100	3.3		20.0			
Coumarin	0.2330	0.2350	0.2340	0.2363 0.2423	0.2337	Ave		0.2357			0.0100	1.5		20.0			
2,6-Dinitrotoluene	0.2411	0.1717 0.2663	0.2659	0.2220 0.2616	0.2366	Ave		0.2379			0.2000	14.1		20.0			
Acenaphthylene	1.8207	1.8674	1.8548	1.9382 1.8084	1.9285	Ave		1.8697			0.9000	2.9		20.0			
3-Nitroaniline	0.2691	0.3019	0.3000	0.2398 0.2983	0.2633	Ave		0.2788			0.0100	9.1		20.0			
Acenaphthene	1.0081	1.0983	1.0233	1.1039 0.9942	1.0636	Ave		1.0486			0.9000	4.5		20.0			
3,5-di-tert-butyl-4-hydroxytol	0.8870	0.9850	0.9447	0.9108 0.9481	0.8730	Ave		0.9248			0.0100	4.6		20.0			
2,4-Dinitrophenol	0.0866	0.1075	0.1225	0.0591 0.1255	0.0702	Lin1	-0.1855	0.1254			0.0100	13.4					
4-Nitrophenol	0.1990	0.2178	0.2262	0.1661 0.2273	0.1828	Ave		0.2032			0.0100	12.3		20.0			
2,4-Dinitrotoluene	0.3024	0.1787 0.3459	0.3408	0.2651 0.3375	0.2945	Lin1	-0.0455	0.3396			0.2000	10.4					
Dibenzofuran	1.5563	1.6564	1.5465	1.6180 1.5134	1.6232	Ave		1.5856			0.8000	3.5		20.0			
2,3,4,6-Tetrachlorophenol	0.2708	0.3088	0.2962	0.2611 0.2861	0.2661	Ave		0.2815			0.0100	6.7		20.0			
Diethyl phthalate	1.2675	1.3612	1.2827	1.3148 1.2762	1.3167	Ave		1.3032			0.0100	2.7		20.0			
Fluorene	1.2155	1.2776	1.1741	1.2645 1.1600	1.2551	Ave		1.2245			0.9000	4.0		20.0			
4-Chlorophenyl phenyl ether	0.5604	0.6072	0.5646	0.6006 0.5500	0.5876	Ave		0.5784			0.4000	4.0		20.0			
4-Nitroaniline	0.2655	0.2954	0.2980	0.2359 0.2961	0.2519	Ave		0.2738			0.0100	9.7		20.0			
4,6-Dinitro-2-methylphenol	0.0742	0.0879	0.0981	0.0524 0.0985	0.0677	Lin2	-0.0933	0.0949			0.0100				0.9930		0.9900
N-Nitrosodiphenylamine	0.5004	0.5445	0.5164	0.5309 0.5038	0.5362	Ave		0.5220			0.0100	3.4		20.0			

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 Edison Job No.: 460-260852-1 Analy Batch No.: 832677

SDG No.:

Instrument ID: CBNAMS17 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/10/2022 10:44 Calibration End Date: 03/10/2022 13:32 Calibration ID: 89540

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		B	M1	M2								
1,2-Diphenylhydrazine	0.7344	0.8017	0.7546	0.7806 0.7338	0.7673	Ave		0.7621			0.0100	3.5		20.0			
4-Bromophenyl phenyl ether	0.1804	0.2008	0.1881	0.1909 0.1793	0.1926	Ave		0.1887			0.1000	4.3		20.0			
Hexachlorobenzene	0.2155 0.2361	0.2311 0.2542	0.2390	0.2553 0.2359	0.2448	Ave		0.2390			0.1000	5.4		20.0			
Atrazine	0.1833	0.1628 0.2076	0.1732 0.2018	0.1723 0.1934	0.1771	Ave		0.1839			0.0100	8.5		20.0			
Pentachlorophenol	0.1211	0.1404	0.1410	0.1064 0.1389	0.1105	Ave		0.1264			0.0500	12.5		20.0			
Pentachloronitrobenzene	0.0894	0.0997	0.1047	0.0875 0.1036	0.0844	Ave		0.0949			0.0100	9.3		20.0			
n-Octadecane	0.6328	0.7299	0.6610	0.6400 0.6512	0.6748	Ave		0.6649			0.0100	5.3		20.0			
Phenanthrene	1.0084	1.0959	1.0371	1.0820 1.0117	1.0967	Ave		1.0553			0.7000	3.9		20.0			
Anthracene	1.0369	1.1276	1.0562	1.0944 1.0184	1.0929	Ave		1.0711			0.7000	3.8		20.0			
Carbazole	0.9365	0.9780	0.9630	0.9835 0.9391	0.9873	Ave		0.9646			0.0100	2.3		20.0			
Di-n-butyl phthalate	1.2281	1.3367	1.2865	1.2122 1.2669	1.2621	Ave		1.2654			0.0100	3.5		20.0			
Fluoranthene	1.0009	1.0870	1.0356	1.0510 1.0076	1.0527	Ave		1.0391			0.6000	3.1		20.0			
Benzidine	0.5627	0.5789	0.6003	0.4680 0.6093	0.5258	Ave		0.5575			0.0100	9.5		20.0			
Pyrene	1.3442	1.3695 1.4644	1.3648	1.3961 1.3000	1.4166	Ave		1.3794			0.6000	3.8		20.0			
Bisphenol-A	0.3710	0.4576	0.4699	0.2841 0.4798	0.3409	Lin2	-0.203	0.4666							0.9940		0.9900
Butyl benzyl phthalate	0.5818	0.6649	0.6440	0.5067 0.6378	0.5631	Ave		0.5997			0.0100	10.0		20.0			
2,3,7,8-TCDD		0.1356				Ave		0.1356			0.0100			20.0			
Carbamazepine	0.4160	0.4683	0.5098	0.3453 0.5150	0.4074	Ave		0.4436			0.0100	14.9		20.0			

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 Edison Job No.: 460-260852-1 Analy Batch No.: 832677

SDG No.:

Instrument ID: CBNAMS17 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/10/2022 10:44 Calibration End Date: 03/10/2022 13:32 Calibration ID: 89540

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		B	M1	M2								
3,3'-Dichlorobenzidine	0.4302	0.3113 0.4979	0.4719	0.3756 0.4688	0.4043	Ave		0.4229			0.0100	15.3		20.0			
Benzo[a]anthracene	1.2702 1.1733	1.2252 1.2372	1.1889	1.2262 1.1560	1.2182	Ave		1.2119			0.8000	3.1		20.0			
Chrysene	1.1030	1.1531 1.1998	1.1403	1.1878 1.1115	1.1639	Ave		1.1514			0.7000	3.1		20.0			
Bis(2-ethylhexyl) phthalate	0.9019	0.6563 1.0172	0.9903	0.8117 0.9854	0.8975	Ave		0.8943			0.0100	14.2		20.0			
Di-n-octyl phthalate	1.4740	1.7253	1.6716	1.2889 1.6581	1.4493	Ave		1.5445			0.0100	10.9		20.0			
Benzo[b]fluoranthene	1.0968 1.0947	1.0997 1.1868	1.1518	1.1716 1.1379	1.1611	Ave		1.1376			0.7000	3.2		20.0			
Benzo[k]fluoranthene	1.0842 1.1393	1.0596 1.2723	1.1755	1.2184 1.1459	1.1973	Ave		1.1616			0.7000	6.0		20.0			
Benzo[a]pyrene	1.0137 1.0951	1.0228 1.1980	1.1466	1.1049 1.1147	1.1477	Ave		1.1054			0.7000	5.7		20.0			
Indeno[1,2,3-cd]pyrene	0.8182 0.9693	0.8801 1.1292	1.0475	0.9385 1.0466	0.9937	Ave		0.9779			0.5000	10.2		20.0			
Dibenz(a,h)anthracene	0.7665 1.0217	0.8733 1.1140	1.0908	1.0320 1.0956	1.0868	Ave		1.0101			0.4000	12.4		20.0			
Benzo[g,h,i]perylene	1.0592	1.1617	1.1190	1.0354 1.1130	1.0960	Ave		1.0974			0.5000	4.1		20.0			
2-Fluorophenol (Surr)	1.3361	1.4647 1.3240	1.3521	1.3198 1.3401	1.2457	Ave		1.3404			0.0100	4.8		20.0			
Phenol-d5 (Surr)	1.8359 1.6026	1.7236 1.5908	1.6310	1.5863 1.6087	1.5480	Ave		1.6409			0.0100	5.7		20.0			
Nitrobenzene-d5 (Surr)	0.3805 0.3652	0.3786 0.3564	0.3696	0.3489 0.3660	0.3404	Ave		0.3632			0.0100	3.8		20.0			
2-Fluorobiphenyl	1.5423 1.4035	1.5234 1.4574	1.3859	1.3976 1.3548	1.2899	Ave		1.4194			0.0100	6.0		20.0			
2,4,6-Tribromophenol (Surr)	0.1869	0.1553 0.2045	0.1973	0.1629 0.1960	0.1653	Ave		0.1812			0.0100	10.8		20.0			
Terphenyl-d14 (Surr)	1.0655 0.9901	1.0242 1.0695	0.9911	0.9780 0.9664	0.9386	Ave		1.0029			0.0100	4.6		20.0			

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 Edison Job No.: 460-260852-1 Analy Batch No.: 832677

SDG No.:

Instrument ID: CBNAMS17 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/10/2022 10:44 Calibration End Date: 03/10/2022 13:32 Calibration ID: 89540

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 460-832677/10	M234663.D
Level 2	STD02 460-832677/9	M234662.D
Level 3	STD04 460-832677/8	M234661.D
Level 4	STD1 460-832677/7	M234660.D
Level 5	STD2 460-832677/6	M234659.D
Level 6	STD4 460-832677/5	M234658.D
Level 7	ICIS 460-832677/2	M234655.D
Level 8	STD16 460-832677/4	M234657.D
Level 9	STD24 460-832677/3	M234656.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
1,4-Dioxane	DCBd 4	Ave				10296	17734				1.00	2.00
			29914	68532	105776	142208		4.00	10.0	16.0	24.0	
N-Nitrosodimethylamine	DCBd 4	Ave				12047	23893				1.00	2.00
			42851	105836	158705	228350		4.00	10.0	16.0	24.0	
Pyridine	DCBd 4	Ave	3357	6741		38919	74320	0.200	0.400		2.00	4.00
			134046	314147	506165	720518		8.00	20.0	32.0	48.0	
Benzaldehyde	DCBd 4	Ave		3705	6746	17090	32691		0.200	0.400	1.00	2.00
			49537	+++++	+++++	+++++		3.20	+++++	+++++	+++++	
Phenol	DCBd 4	Ave				25686	49855				1.00	2.00
			92042	226254	346693	495244		4.00	10.0	16.0	24.0	
Aniline	DCBd 4	Ave				31467	58882				1.00	2.00
			108389	264592	406825	584010		4.00	10.0	16.0	24.0	
Bis(2-chloroethyl)ether	DCBd 4	Ave	1635	3719		19064	36803	0.100	0.200		1.00	2.00
			66638	166945	251946	356851		4.00	10.0	16.0	24.0	
2-Chlorophenol	DCBd 4	Ave				20602	41624				1.00	2.00
			75179	187667	287921	408034		4.00	10.0	16.0	24.0	

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison Job No.: 460-260852-1 Analy Batch No.: 832677

SDG No.:

Instrument ID: CBNAMS17 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/10/2022 10:44 Calibration End Date: 03/10/2022 13:32 Calibration ID: 89540

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
n-Decane	DCBd 4	Ave	110253	271041	401581	31570 569108	61448	4.00	10.0	16.0	1.00 24.0	2.00
1,3-Dichlorobenzene	DCBd 4	Ave	87962	217891	330196	25143 465067	48709	4.00	10.0	16.0	1.00 24.0	2.00
1,4-Dichlorobenzene	DCBd 4	Ave	89567	218919	338490	25244 472868	48813	4.00	10.0	16.0	1.00 24.0	2.00
Benzyl alcohol	DCBd 4	Ave	46037	118777	177464	13069 252152	25207	4.00	10.0	16.0	1.00 24.0	2.00
1,2-Dichlorobenzene	DCBd 4	Ave	85442	208061	316989	23893 449036	47099	4.00	10.0	16.0	1.00 24.0	2.00
2-Methylphenol	DCBd 4	Ave	64238	165099	248995	18455 351062	36550	4.00	10.0	16.0	1.00 24.0	2.00
2,2'-oxybis[1-chloropropane]	DCBd 4	Ave	140123	362445	523244	40647 738451	78956	4.00	10.0	16.0	1.00 24.0	2.00
N-Methylaniline	DCBd 4	Ave	2928 119902	5986 271932	442786	31891 636736	61426	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
Acetophenone	DCBd 4	Ave	100937	250656	372047	29339 531203	55503	4.00	10.0	16.0	1.00 24.0	2.00
3 & 4 Methylphenol	DCBd 4	Ave	72863	180306	278529	20860 394848	40907	4.00	10.0	16.0	1.00 24.0	2.00
4-Methylphenol	DCBd 4	Ave	72863	180306	277483	20860 393158	40907	4.00	10.0	16.0	1.00 24.0	2.00
N-Nitrosodi-n-propylamine	DCBd 4	Ave	1340 48400	2599 123114	185235	14089 265498	26920	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison Job No.: 460-260852-1 Analy Batch No.: 832677

SDG No.:

Instrument ID: CBNAMS17 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/10/2022 10:44 Calibration End Date: 03/10/2022 13:32 Calibration ID: 89540

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Hexachloroethane	DCBd 4	Ave	781 33981	1880 83686	 127729	9965 179680	18620	0.100 4.00	0.200 10.0	 16.0	1.00 24.0	2.00
Nitrobenzene	DCBd 4	Ave	585 33712	1498 84299	 131316	9209 184984	17748	0.100 4.00	0.200 10.0	 16.0	1.00 24.0	2.00
n,n'-Dimethylaniline	DCBd 4	Ave	3115 112616	6396 279870	 421041	30339 608397	58042	0.100 4.00	0.200 10.0	 16.0	1.00 24.0	2.00
Isophorone	NPT	Ave	 131476	6964 332630	 488301	37315 705316	74218	 4.00	0.200 10.0	 16.0	1.00 24.0	2.00
2-Nitrophenol	NPT	Ave	 29855	 74240	 123562	7060 176334	15734	 4.00	 10.0	 16.0	1.00 24.0	2.00
2,4-Dimethylphenol	NPT	Ave	 61208	 153575	 231531	17067 329599	34058	 4.00	 10.0	 16.0	1.00 24.0	2.00
Benzoic acid	NPT	Lin1	 18920	 62689	 111008	2680 168877	8278	 4.00	 10.0	 16.0	1.00 24.0	2.00
Bis(2-chloroethoxy)methane	NPT	Ave	 78636	 199946	 297470	22525 425550	44156	 4.00	 10.0	 16.0	1.00 24.0	2.00
2,4-Dichlorophenol	NPT	Ave	 59553	 149703	 226235	15948 323515	32066	 4.00	 10.0	 16.0	1.00 24.0	2.00
1,2,4-Trichlorobenzene	NPT	Ave	1678 63668	3491 169593	 240388	19119 343387	35347	0.100 4.00	0.200 10.0	 16.0	1.00 24.0	2.00
Naphthalene	NPT	Ave	5552 208751	11502 514305	 770568	58273 1095230	116517	0.100 4.00	0.200 10.0	 16.0	1.00 24.0	2.00
4-Chloroaniline	NPT	Ave	2190 86432	4473 218082	 325843	24704 469912	48473	0.100 4.00	0.200 10.0	 16.0	1.00 24.0	2.00
2,6-Dichlorophenol	NPT	Ave	 59565	 147175	 221706	16005 314872	32619	 4.00	 10.0	 16.0	1.00 24.0	2.00
Hexachlorobutadiene	NPT	Ave	991 38234	1813 94740	 143422	10815 205506	21008	0.100 4.00	0.200 10.0	 16.0	1.00 24.0	2.00
Caprolactam	NPT	Ave	 11883	602 15971	1247 18619	3562 23778	7764	 3.20	0.200 4.00	0.400 4.80	1.00 6.40	2.00
4-Chloro-3-methylphenol	NPT	Ave	 55295	 140173	 210099	14351 305711	29977	 4.00	 10.0	 16.0	1.00 24.0	2.00
2-Methylnaphthalene	NPT	Ave		7680		37897	75078		0.200		1.00	2.00

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison Job No.: 460-260852-1 Analy Batch No.: 832677

SDG No.:

Instrument ID: CBNAMS17 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/10/2022 10:44 Calibration End Date: 03/10/2022 13:32 Calibration ID: 89540

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
			133792	331995	500118	708453		4.00	10.0	16.0	24.0	
1-Methylnaphthalene	NPT	Ave	121519	6479 308350	457709	35523 645623	68528	4.00	0.200 10.0	16.0	1.00 24.0	2.00
Hexachlorocyclopentadiene	ANT	Ave	44377	114132	172422	11799 249856	23960	4.00	10.0	16.0	1.00 24.0	2.00
1,2,4,5-Tetrachlorobenzene	ANT	Ave	62765	155175	231530	18165 335831	35028	4.00	10.0	16.0	1.00 24.0	2.00
2-tertbutyl-4-methylphenol	NPT	Ave	79834	4357 205648	308656	21793 455315	42729	4.00	0.200 10.0	16.0	1.00 24.0	2.00
2,4,6-Trichlorophenol	ANT	Ave	39202	1745 100029	153777	10561 220562	21221	4.00	0.200 10.0	16.0	1.00 24.0	2.00
2,4,5-Trichlorophenol	ANT	Ave	41523	110931	165313	11423 237045	21949	4.00	10.0	16.0	1.00 24.0	2.00
1,1'-Biphenyl	ANT	Ave	154989	394030	574967	44768 816196	86432	4.00	10.0	16.0	1.00 24.0	2.00
2-Chloronaphthalene	ANT	Ave	126538	311740	462818	36125 669815	70668	4.00	10.0	16.0	1.00 24.0	2.00
Phenyl ether	ANT	Ave	86509	207101	322980	24027 470140	45984	4.00	10.0	16.0	1.00 24.0	2.00
2-Nitroaniline	ANT	Ave	41041	103646	164523	10738 240822	21090	4.00	10.0	16.0	1.00 24.0	2.00
1,3-Dimethylnaphthalene	ANT	Ave	96056	242143	358461	25961 521460	50473	4.00	10.0	16.0	1.00 24.0	2.00
Dimethyl phthalate	ANT	Ave	138316	344624	505772	38788 733357	77940	4.00	10.0	16.0	1.00 24.0	2.00
Coumarin	NPT	Ave	47972	119651	178215	13210 268717	25823	4.00	10.0	16.0	1.00 24.0	2.00
2,6-Dinitrotoluene	ANT	Ave	26476	1027 67255	105994	6664 153543	14046	4.00	0.200 10.0	16.0	1.00 24.0	2.00
Acenaphthylene	ANT	Ave	199949	471664	739499	58184 1061543	114468	4.00	10.0	16.0	1.00 24.0	2.00
3-Nitroaniline	ANT	Ave	29554	76251	119607	7200 175131	15629	4.00	10.0	16.0	1.00 24.0	2.00
Acenaphthene	ANT	Ave	110704	277394	407978	33139 583606	63135	4.00	10.0	16.0	1.00 24.0	2.00
3,5-di-tert-butyl-4-hydroxytol	ANT	Ave				27342	51819				1.00	2.00

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison Job No.: 460-260852-1 Analy Batch No.: 832677

SDG No.:

Instrument ID: CBNAMS17 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/10/2022 10:44 Calibration End Date: 03/10/2022 13:32 Calibration ID: 89540

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
			97408	248791	376654	556539		4.00	10.0	16.0	24.0	
2,4-Dinitrophenol	ANT	Lin1				3549	8329				2.00	4.00
			19010	54289	97658	147365		8.00	20.0	32.0	48.0	
4-Nitrophenol	ANT	Ave				9973	21699				2.00	4.00
			43702	110042	180338	266894		8.00	20.0	32.0	48.0	
2,4-Dinitrotoluene	ANT	Lin1		1069		7959	17482		0.200		1.00	2.00
			33206	87371	135876	198110		4.00	10.0	16.0	24.0	
Dibenzofuran	ANT	Ave				48570	96346				1.00	2.00
			170907	418362	616568	888361		4.00	10.0	16.0	24.0	
2,3,4,6-Tetrachlorophenol	ANT	Ave				7837	15795				1.00	2.00
			29736	77994	118103	167931		4.00	10.0	16.0	24.0	
Diethyl phthalate	ANT	Ave				39468	78154				1.00	2.00
			139191	343804	511416	749169		4.00	10.0	16.0	24.0	
Fluorene	ANT	Ave				37959	74497				1.00	2.00
			133488	322686	468103	680904		4.00	10.0	16.0	24.0	
4-Chlorophenyl phenyl ether	ANT	Ave				18029	34876				1.00	2.00
			61539	153358	225097	322834		4.00	10.0	16.0	24.0	
4-Nitroaniline	ANT	Ave				7080	14950				1.00	2.00
			29155	74622	118820	173834		4.00	10.0	16.0	24.0	
4,6-Dinitro-2-methylphenol	PHN	Lin2				5169	12961				2.00	4.00
			26707	72947	125862	188124		8.00	20.0	32.0	48.0	
N-Nitrosodiphenylamine	PHN	Ave				26172	51351				1.00	2.00
			90082	225940	331227	481067		4.00	10.0	16.0	24.0	
1,2-Diphenylhydrazine	PHN	Ave				38483	73477				1.00	2.00
			132197	332663	484022	700614		4.00	10.0	16.0	24.0	
4-Bromophenyl phenyl ether	PHN	Ave				9412	18441				1.00	2.00
			32483	83313	120639	171157		4.00	10.0	16.0	24.0	
Hexachlorobenzene	PHN	Ave	1015	2265		12587	23445	0.100	0.200		1.00	2.00
			42500	105479	153319	225272		4.00	10.0	16.0	24.0	
Atrazine	PHN	Ave		1595	3215	8493	16958		0.200	0.400	1.00	2.00
			26392	34450	38838	49251		3.20	4.00	4.80	6.40	
Pentachlorophenol	PHN	Ave				10493	21156				2.00	4.00
			43590	116506	180846	265181		8.00	20.0	32.0	48.0	
Pentachloronitrobenzene	PHN	Ave				4312	8081				1.00	2.00
			16095	41353	67168	98936		4.00	10.0	16.0	24.0	
n-Octadecane	PHN	Ave				31553	64618				1.00	2.00

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison Job No.: 460-260852-1 Analy Batch No.: 832677

SDG No.:

Instrument ID: CBNAMS17 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/10/2022 10:44 Calibration End Date: 03/10/2022 13:32 Calibration ID: 89540

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
			113915	302869	423967	621761		4.00	10.0	16.0	24.0	
Phenanthrene	PHN	Ave	181532	454732	665210	53345 965998	105022	4.00	10.0	16.0	1.00 24.0	2.00
Anthracene	PHN	Ave	186670	467869	677479	53956 972394	104665	4.00	10.0	16.0	1.00 24.0	2.00
Carbazole	PHN	Ave	168589	405814	617694	48489 896653	94550	4.00	10.0	16.0	1.00 24.0	2.00
Di-n-butyl phthalate	PHN	Ave	221082	554617	825193	59763 1209627	120870	4.00	10.0	16.0	1.00 24.0	2.00
Fluoranthene	PHN	Ave	180173	451002	664285	51816 962074	100808	4.00	10.0	16.0	1.00 24.0	2.00
Benzidine	PHN	Ave	101293	240208	385056	23074 581764	50353	4.00	10.0	16.0	1.00 24.0	2.00
Pyrene	CRY	Ave	187739	10316 446977	679910	53290 982563	105824	4.00	0.200 10.0	16.0	1.00 24.0	2.00
Bisphenol-A	CRY	Lin2	51818	139673	234110	10846 362637	25465	4.00	10.0	16.0	1.00 24.0	2.00
Butyl benzyl phthalate	CRY	Ave	81263	202954	320813	19343 482097	42067	4.00	10.0	16.0	1.00 24.0	2.00
2,3,7,8-TCDD	CRY	Ave		414					0.100			
Carbamazepine	CRY	Ave	58097	142929	253948	13180 389257	30436	4.00	10.0	16.0	1.00 24.0	2.00
3,3'-Dichlorobenzidine	CRY	Ave	60083	2345 151955	235079	14338 354344	30200	4.00	0.200 10.0	16.0	1.00 24.0	2.00
Benzo[a]anthracene	CRY	Ave	4547 163869	9229 377631	592287	46804 873769	91001	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
Chrysene	CRY	Ave	154049	8686 366192	568074	45339 840127	86949	4.00	0.200 10.0	16.0	1.00 24.0	2.00
Bis(2-ethylhexyl) phthalate	CRY	Ave	125965	4944 310481	493309	30984 744795	67046	4.00	0.200 10.0	16.0	1.00 24.0	2.00
Di-n-octyl phthalate	PRY	Ave	202626	517105	819648	47821 1255248	105531	4.00	10.0	16.0	1.00 24.0	2.00
Benzo[b]fluoranthene	PRY	Ave	3922 150493	8161 355714	564758	43470 861407	84551	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
Benzo[k]fluoranthene	PRY	Ave	3877	7863		45205	87183	0.100	0.200		1.00	2.00

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison Job No.: 460-260852-1 Analy Batch No.: 832677

SDG No.:

Instrument ID: CBNAMS17 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/10/2022 10:44 Calibration End Date: 03/10/2022 13:32 Calibration ID: 89540

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
			156623	381336	576404	867443		4.00	10.0	16.0	24.0	
Benzo[a]pyrene	PRY	Ave	3625 150542	7590 359068	562208	40993 843866	83575	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
Indeno[1,2,3-cd]pyrene	PRY	Ave	2926 133247	6531 338430	513629	34820 792324	72360	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
Dibenz(a,h)anthracene	PRY	Ave	2741 140446	6481 333890	534831	38290 829374	79138	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
Benzo[g,h,i]perylene	PRY	Ave	145608	348169	548673	38415 842547	79809	4.00	10.0	16.0	1.00 24.0	2.00
2-Fluorophenol (Surr)	DCBd 4	Ave	76648	4451 185202	284440	20090 410577	37246	4.00	0.200 10.0	16.0	1.00 24.0	2.00
Phenol-d5 (Surr)	DCBd 4	Ave	2665 91935	5238 222519	343111	24148 492850	46284	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
Nitrobenzene-d5 (Surr)	NPT	Ave	2024 75180	4145 181456	281457	19499 405834	37613	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
2-Fluorobiphenyl	ANT	Ave	4483 154135	9113 368088	552534	41955 795280	76564	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
2,4,6-Tribromophenol (Surr)	ANT	Ave	20529	929 51651	78662	4890 115046	9813	4.00	0.200 10.0	16.0	1.00 24.0	2.00
Terphenyl-d14 (Surr)	CRY	Ave	3814 138281	7715 326446	493707	37332 730447	70118	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00

Curve Type Legend

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD
Lin2 = Linear 1/conc^2 ISTD

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS17\20220310-142495.b\M234655.D
Lims ID: ICIS
Client ID:
Sample Type: ICIS Calib Level: 7
Inject. Date: 10-Mar-2022 10:44:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0142495-002
Operator ID: Instrument ID: CBNAMS17
Sublist: chrom-8270LVI_17*sub22

Method: \\chromfs\Edison\ChromData\CBNAMS17\20220310-142495.b\8270LVI_17.m
Limit Group: SV 8270E ICAL
Last Update: 10-Mar-2022 14:08:33 Calib Date: 10-Mar-2022 13:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS17\20220310-142495.b\M234663.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1660

First Level Reviewer: johnstonm1 Date: 10-Mar-2022 11:06:14

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.747	1.747	0.000	93	68532	10.0	9.05	
	2 N-Nitrosodimethylamine	74	1.945	1.945	0.000	77	105836	10.0	9.88	
	3 Pyridine	79	1.980	1.980	0.000	74	314147	20.0	19.0	
$	4 2-Fluorophenol	112	3.040	3.040	0.000	91	185202	10.0	9.88	
	5 Benzaldehyde	77	3.864	3.864	0.000	87	33158	4.00	2.09	
$	6 Phenol-d5	99	3.927	3.927	0.000	96	222519	10.0	9.70	
	7 Phenol	94	3.940	3.940	0.000	98	226254	10.0	9.86	
	8 Aniline	93	3.969	3.969	0.000	23	264592	10.0	9.74	
	9 Bis(2-chloroethyl)ether	93	4.030	4.030	0.000	87	166945	10.0	10.0	
	10 Benzonitrile	103	4.046	4.046	0.000	98	357665	NC	NC	
	11 2-Chlorophenol	128	4.087	4.087	0.000	93	187667	10.0	9.94	
	12 n-Decane	43	4.145	4.145	0.000	93	271041	10.0	9.89	
	13 1,3-Dichlorobenzene	146	4.240	4.240	0.000	96	217891	10.0	9.88	
*	14 1,4-Dichlorobenzene-d4	152	4.292	4.292	0.000	96	111901	8.00	8.00	
	15 1,4-Dichlorobenzene	146	4.308	4.308	0.000	94	218919	10.0	9.81	
	16 Benzyl alcohol	108	4.419	4.419	0.000	91	118777	10.0	10.1	
	17 1,2-Dichlorobenzene	146	4.458	4.458	0.000	95	208061	10.0	9.81	
	18 2-Methylphenol	108	4.528	4.528	0.000	86	165099	10.0	10.0	
	19 2,2'-oxybis[1-chloropropane]	45	4.557	4.557	0.000	92	362445	10.0	10.2	
	20 N-Methylaniline	106	4.669	4.669	0.000	91	271932	10.0	9.51	a
	21 Acetophenone	105	4.678	4.678	0.000	81	250656	10.0	9.92	
	24 4-Methylphenol	108	4.681	4.681	0.000	73	180306	10.0	9.79	
	23 3 & 4 Methylphenol	108	4.681	4.681	0.000	77	180306	10.0	9.78	
	22 N-Nitrosodi-n-propylamine	70	4.681	4.681	0.000	84	123114	10.0	9.95	
	25 Hexachloroethane	117	4.787	4.787	0.000	93	83686	10.0	9.93	
$	27 Nitrobenzene-d5	82	4.822	4.822	0.000	94	181456	10.0	9.81	
	28 Nitrobenzene	123	4.841	4.841	0.000	85	84299	10.0	10.7	
	29 n,n'-Dimethylaniline	120	4.847	4.847	0.000	83	279870	10.0	9.92	
	30 Isophorone	82	5.071	5.071	0.000	96	332630	10.0	10.1	
	32 2-Nitrophenol	139	5.151	5.151	0.000	87	74240	10.0	9.93	
	33 2,4-Dimethylphenol	122	5.196	5.196	0.000	90	153575	10.0	9.98	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.285	5.285	0.000	33	62689	10.0	9.06	
34 Bis(2-chloroethoxy)methane	93	5.285	5.285	0.000	92	199946	10.0	10.0	
36 2,4-Dichlorophenol	162	5.384	5.384	0.000	94	149703	10.0	10.1	
37 1,2,4-Trichlorobenzene	180	5.467	5.467	0.000	94	169593	10.0	10.4	
* 38 Naphthalene-d8	136	5.522	5.522	0.000	99	407355	8.00	8.00	
39 Naphthalene	128	5.541	5.541	0.000	98	514305	10.0	9.84	
40 4-Chloroaniline	127	5.592	5.592	0.000	94	218082	10.0	10.1	
130 2,6-Dichlorophenol	162	5.601	5.601	0.000	94	147175	10.0	10.0	
41 Hexachlorobutadiene	225	5.675	5.675	0.000	93	94740	10.0	10.1	
42 Caprolactam	113	5.905	5.905	0.000	83	15971	4.00	4.48	
43 4-Chloro-3-methylphenol	107	6.065	6.065	0.000	97	140173	10.0	10.2	
44 2-Methylnaphthalene	142	6.205	6.205	0.000	81	331995	10.0	9.80	
45 1-Methylnaphthalene	142	6.301	6.301	0.000	89	308350	10.0	10.0	
46 Hexachlorocyclopentadiene	237	6.371	6.371	0.000	79	114132	10.0	10.8	
47 1,2,4,5-Tetrachlorobenzene	216	6.371	6.371	0.000	94	155175	10.0	10.4	
48 2-tertbutyl-4-methylphenol	149	6.406	6.406	0.000	82	205648	10.0	10.2	
49 2,4,6-Trichlorophenol	196	6.480	6.480	0.000	89	100029	10.0	11.0	
50 2,4,5-Trichlorophenol	196	6.509	6.509	0.000	94	110931	10.0	11.0	
$ 51 2-Fluorobiphenyl	172	6.560	6.560	0.000	97	368088	10.0	10.3	
52 1,1'-Biphenyl	154	6.656	6.656	0.000	96	394030	10.0	10.7	
53 2-Chloronaphthalene	162	6.669	6.669	0.000	96	311740	10.0	10.5	
54 Phenyl ether	170	6.755	6.755	0.000	86	207101	10.0	10.3	
55 2-Nitroaniline	65	6.764	6.764	0.000	89	103646	10.0	10.6	
57 1,3-Dimethylnaphthalene	156	6.883	6.883	0.000	88	242143	10.0	10.8	
59 Dimethyl phthalate	163	6.950	6.950	0.000	98	344624	10.0	10.6	
60 Coumarin	146	6.959	6.959	0.000	75	119651	10.0	9.97	
61 2,6-Dinitrotoluene	165	6.998	6.998	0.000	72	67255	10.0	11.2	
62 Acenaphthylene	152	7.065	7.065	0.000	96	471664	10.0	9.99	
63 3-Nitroaniline	138	7.158	7.158	0.000	93	76251	10.0	10.8	
* 64 Acenaphthene-d10	164	7.202	7.202	0.000	96	202057	8.00	8.00	
65 3,5-di-tert-butyl-4-hydroxytol	205	7.231	7.231	0.000	78	248791	10.0	10.7	
66 Acenaphthene	154	7.231	7.231	0.000	95	277394	10.0	10.5	
67 2,4-Dinitrophenol	184	7.254	7.254	0.000	91	54289	20.0	18.6	a
68 4-Nitrophenol	65	7.321	7.321	0.000	90	110042	20.0	21.4	
69 2,4-Dinitrotoluene	165	7.378	7.378	0.000	91	87371	10.0	10.3	
70 Dibenzofuran	168	7.397	7.397	0.000	91	418362	10.0	10.4	
72 2,3,4,6-Tetrachlorophenol	232	7.516	7.516	0.000	90	77994	10.0	11.0	
73 Diethyl phthalate	149	7.621	7.621	0.000	96	343804	10.0	10.4	
75 Fluorene	166	7.720	7.720	0.000	81	322686	10.0	10.4	
74 4-Chlorophenyl phenyl ether	204	7.723	7.723	0.000	74	153358	10.0	10.5	
76 4-Nitroaniline	138	7.736	7.736	0.000	93	74622	10.0	10.8	
77 4,6-Dinitro-2-methylphenol	198	7.768	7.768	0.000	25	72947	20.0	19.5	
78 N-Nitrosodiphenylamine	169	7.832	7.832	0.000	52	225940	10.0	10.4	
79 1,2-Diphenylhydrazine	77	7.874	7.874	0.000	98	332663	10.0	10.5	
$ 80 2,4,6-Tribromophenol	330	7.947	7.947	0.000	94	51651	10.0	11.3	
81 4-Bromophenyl phenyl ether	248	8.184	8.184	0.000	83	83313	10.0	10.6	
82 Hexachlorobenzene	284	8.251	8.251	0.000	97	105479	10.0	10.6	
83 Atrazine	200	8.340	8.340	0.000	84	34450	4.00	4.51	
84 Pentachlorophenol	266	8.433	8.433	0.000	92	116506	20.0	22.2	
85 Pentachloronitrobenzene	237	8.449	8.449	0.000	86	41353	10.0	10.5	
86 n-Octadecane	57	8.526	8.526	0.000	88	302869	10.0	11.0	
* 87 Phenanthrene-d10	188	8.606	8.606	0.000	99	331938	8.00	8.00	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
88 Phenanthrene	178	8.628	8.628	0.000	98	454732	10.0	10.4	
89 Anthracene	178	8.676	8.676	0.000	97	467869	10.0	10.5	
90 Carbazole	167	8.829	8.829	0.000	83	405814	10.0	10.1	
91 Di-n-butyl phthalate	149	9.171	9.171	0.000	99	554617	10.0	10.6	
92 Fluoranthene	202	9.755	9.755	0.000	97	451002	10.0	10.5	
93 Benzidine	184	9.880	9.880	0.000	99	240208	10.0	10.4	
94 Pyrene	202	9.966	9.966	0.000	96	446977	10.0	10.6	
95 Bisphenol-A	213	10.021	10.021	0.000	97	139673	10.0	10.2	
$ 96 Terphenyl-d14	244	10.123	10.123	0.000	97	326446	10.0	10.7	
97 Butyl benzyl phthalate	149	10.624	10.624	0.000	96	202954	10.0	11.1	
98 2,3,7,8-TCDD	320	10.724	10.724	0.000	1	414	0.1000	0.1000	
99 Carbamazepine	193	10.733	10.733	0.000	92	142929	10.0	10.6	
100 3,3'-Dichlorobenzidine	252	11.219	11.219	0.000	99	151955	10.0	11.8	
101 Benzo[a]anthracene	228	11.241	11.241	0.000	100	377631	10.0	10.2	
* 102 Chrysene-d12	240	11.254	11.254	0.000	96	244176	8.00	8.00	
104 Chrysene	228	11.286	11.286	0.000	95	366192	10.0	10.4	
103 Bis(2-ethylhexyl) phthalate	149	11.312	11.312	0.000	84	310481	10.0	11.4	
105 Di-n-octyl phthalate	149	12.171	12.171	0.000	94	517105	10.0	11.2	
106 Benzo[b]fluoranthene	252	12.663	12.663	0.000	95	355714	10.0	10.4	
107 Benzo[k]fluoranthene	252	12.701	12.701	0.000	98	381336	10.0	11.0	
108 Benzo[a]pyrene	252	13.120	13.120	0.000	94	359068	10.0	10.8	
* 109 Perylene-d12	264	13.203	13.203	0.000	96	239771	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	14.778	14.778	0.000	96	338430	10.0	11.5	
111 Dibenz(a,h)anthracene	278	14.817	14.817	0.000	94	333890	10.0	11.0	
112 Benzo[g,h,i]perylene	276	15.216	15.216	0.000	89	348169	10.0	10.6	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

a - User Assigned ID

Reagents:

SV_BNAL7_LVI_00004 Amount Added: 1.00 Units: mL

Report Date: 10-Mar-2022 14:08:34 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS17\20220310-142495.b\M234655.D

Injection Date: 10-Mar-2022 10:44:30 Instrument ID: CBNAMS17

Lims ID: ICIS

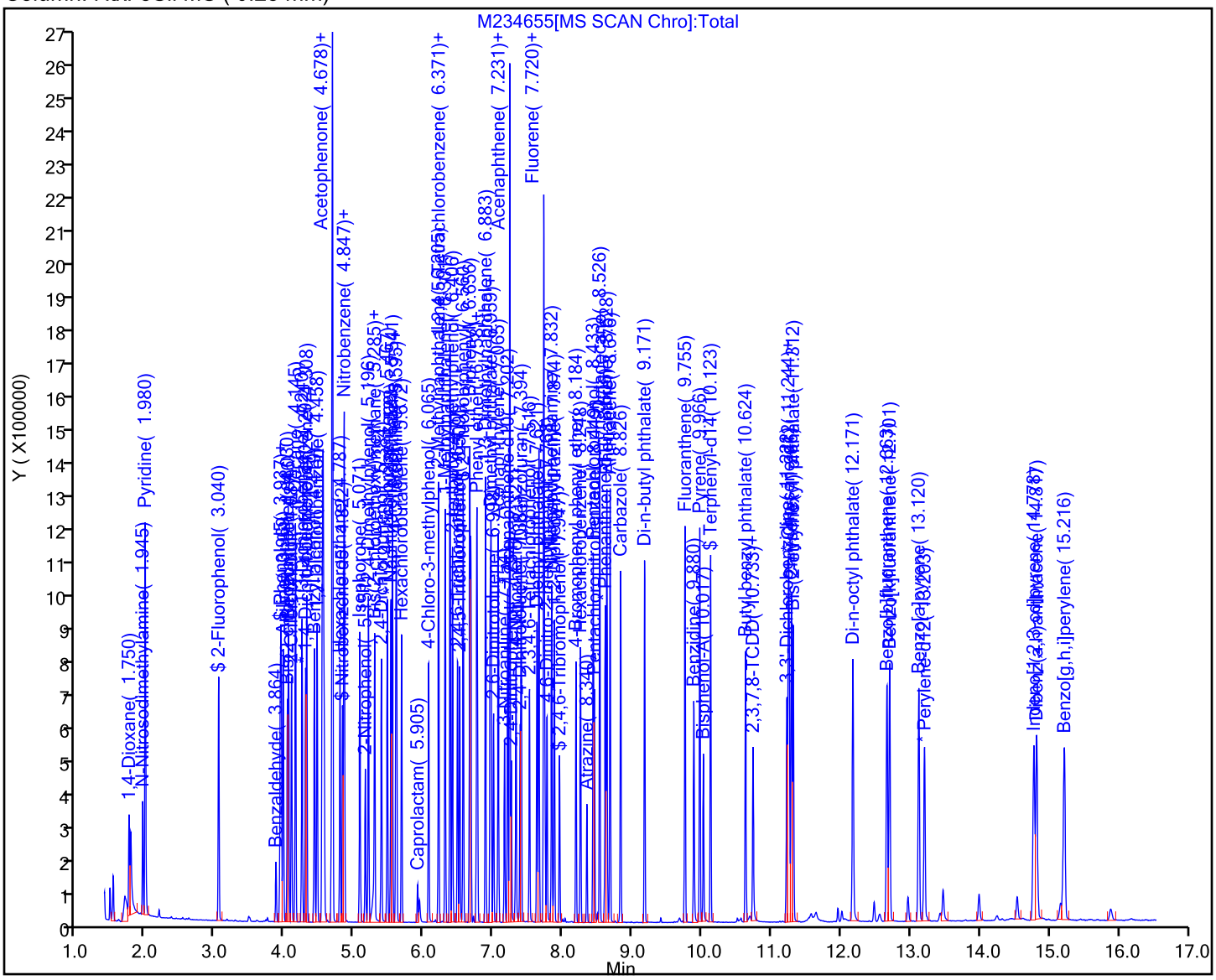
Client ID:

Operator ID: ALS Bottle#: 2 Worklist Smp#: 2

Injection Vol: 5.0 ul Dil. Factor: 1.0000

Method: 8270LVI_17 Limit Group: SV 8270E ICAL

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS17\20220310-142495.b\M234656.D
Lims ID: STD24
Client ID:
Sample Type: IC Calib Level: 9
Inject. Date: 10-Mar-2022 11:04:30 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0142495-003
Operator ID: Instrument ID: CBNAMS17
Sublist: chrom-8270LVI_17*sub22

Method: \\chromfs\Edison\ChromData\CBNAMS17\20220310-142495.b\8270LVI_17.m
Limit Group: SV 8270E ICAL
Last Update: 10-Mar-2022 14:08:38 Calib Date: 10-Mar-2022 13:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS17\20220310-142495.b\M234663.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1660

First Level Reviewer: johnstonm1 Date: 10-Mar-2022 11:25:24

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.747	1.747	0.000	92	142208	24.0	20.6	
	2 N-Nitrosodimethylamine	74	1.945	1.945	0.000	76	228350	24.0	23.4	
	3 Pyridine	79	1.980	1.980	0.000	75	720518	48.0	47.7	
$	4 2-Fluorophenol	112	3.040	3.040	0.000	92	410577	24.0	24.0	
	5 Benzaldehyde	77	3.864	3.864	0.000	87	77209	6.40	5.32	
$	6 Phenol-d5	99	3.934	3.927	0.007	96	492850	24.0	23.5	
	7 Phenol	94	3.947	3.940	0.007	98	495244	24.0	23.7	
	8 Aniline	93	3.972	3.969	0.003	98	584010	24.0	23.5	
	9 Bis(2-chloroethyl)ether	93	4.033	4.030	0.003	87	356851	24.0	23.4	
	10 Benzonitrile	103	4.052	4.046	0.006	98	776153	NC	NC	
	11 2-Chlorophenol	128	4.091	4.087	0.004	89	408034	24.0	23.7	
	12 n-Decane	43	4.145	4.145	0.000	93	569108	24.0	22.8	
	13 1,3-Dichlorobenzene	146	4.241	4.240	0.001	95	465067	24.0	23.1	
*	14 1,4-Dichlorobenzene-d4	152	4.292	4.292	0.000	96	102123	8.00	8.00	
	15 1,4-Dichlorobenzene	146	4.308	4.308	0.000	94	472868	24.0	23.2	
	16 Benzyl alcohol	108	4.423	4.419	0.004	90	252152	24.0	23.6	
	17 1,2-Dichlorobenzene	146	4.458	4.458	0.000	91	449036	24.0	23.2	
	18 2-Methylphenol	108	4.531	4.528	0.003	85	351062	24.0	23.4	
	19 2,2'-oxybis[1-chloropropane]	45	4.557	4.557	0.000	92	738451	24.0	22.8	
	20 N-Methylaniline	106	4.672	4.669	0.003	93	636736	24.0	24.4	a
	21 Acetophenone	105	4.682	4.678	0.004	83	531203	24.0	23.0	
	24 4-Methylphenol	108	4.685	4.681	0.004	86	393158	24.0	23.4	a
	23 3 & 4 Methylphenol	108	4.685	4.681	0.004	85	394848	24.0	23.5	a
	22 N-Nitrosodi-n-propylamine	70	4.685	4.681	0.004	75	265498	24.0	23.5	
	25 Hexachloroethane	117	4.787	4.787	0.000	93	179680	24.0	23.4	
$	27 Nitrobenzene-d5	82	4.825	4.822	0.003	94	405834	24.0	24.2	
	28 Nitrobenzene	123	4.845	4.841	0.004	87	184984	24.0	25.7	
	29 n,n'-Dimethylaniline	120	4.851	4.847	0.004	84	608397	24.0	23.6	
	30 Isophorone	82	5.078	5.071	0.007	98	705316	24.0	23.5	
	32 2-Nitrophenol	139	5.151	5.151	0.000	88	176334	24.0	26.0	
	33 2,4-Dimethylphenol	122	5.199	5.196	0.003	89	329599	24.0	23.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.321	5.285	0.036	88	168877	24.0	25.1	
34 Bis(2-chloroethoxy)methane	93	5.289	5.285	0.004	92	425550	24.0	23.5	
36 2,4-Dichlorophenol	162	5.385	5.384	0.001	94	323515	24.0	24.0	
37 1,2,4-Trichlorobenzene	180	5.468	5.467	0.001	94	343387	24.0	23.2	
* 38 Naphthalene-d8	136	5.519	5.522	-0.003	99	369600	8.00	8.00	
39 Naphthalene	128	5.541	5.541	0.000	98	1095230	24.0	23.1	
40 4-Chloroaniline	127	5.596	5.592	0.004	93	469912	24.0	23.9	
130 2,6-Dichlorophenol	162	5.605	5.601	0.004	96	314872	24.0	23.6	
41 Hexachlorobutadiene	225	5.672	5.675	-0.003	92	205506	24.0	24.0	
42 Caprolactam	113	5.976	5.905	0.071	84	23778	6.40	7.34	M
43 4-Chloro-3-methylphenol	107	6.065	6.065	0.000	98	305711	24.0	24.5	
44 2-Methylnaphthalene	142	6.206	6.205	0.001	81	708453	24.0	23.1	
45 1-Methylnaphthalene	142	6.302	6.301	0.001	89	645623	24.0	23.1	
46 Hexachlorocyclopentadiene	237	6.369	6.371	-0.002	85	249856	24.0	24.4	
47 1,2,4,5-Tetrachlorobenzene	216	6.372	6.371	0.001	94	335831	24.0	23.3	
48 2-tertbutyl-4-methylphenol	149	6.407	6.406	0.001	79	455315	24.0	24.8	
49 2,4,6-Trichlorophenol	196	6.478	6.480	-0.002	88	220562	24.0	25.1	
50 2,4,5-Trichlorophenol	196	6.510	6.509	0.001	94	237045	24.0	24.4	
$ 51 2-Fluorobiphenyl	172	6.561	6.560	0.001	97	795280	24.0	22.9	
52 1,1'-Biphenyl	154	6.654	6.656	-0.002	97	816196	24.0	22.9	
53 2-Chloronaphthalene	162	6.673	6.669	0.004	97	669815	24.0	23.2	
54 Phenyl ether	170	6.756	6.755	0.001	86	470140	24.0	24.1	
55 2-Nitroaniline	65	6.769	6.764	0.005	95	240822	24.0	25.5	
57 1,3-Dimethylnaphthalene	156	6.884	6.883	0.001	88	521460	24.0	24.0	
59 Dimethyl phthalate	163	6.951	6.950	0.001	98	733357	24.0	23.2	
60 Coumarin	146	6.964	6.959	0.005	74	268717	24.0	24.7	
61 2,6-Dinitrotoluene	165	7.002	6.998	0.004	59	153543	24.0	26.4	
62 Acenaphthylene	152	7.066	7.065	0.001	96	1061543	24.0	23.2	
63 3-Nitroaniline	138	7.159	7.158	0.001	92	175131	24.0	25.7	
* 64 Acenaphthene-d10	164	7.200	7.202	-0.002	97	195670	8.00	8.00	
65 3,5-di-tert-butyl-4-hydroxytol	205	7.232	7.231	0.001	83	556539	24.0	24.6	
66 Acenaphthene	154	7.232	7.231	0.001	96	583606	24.0	22.8	
67 2,4-Dinitrophenol	184	7.258	7.254	0.004	91	147365	48.0	49.5	a
68 4-Nitrophenol	65	7.328	7.321	0.007	90	266894	48.0	53.7	
69 2,4-Dinitrotoluene	165	7.383	7.378	0.005	91	198110	24.0	24.0	
70 Dibenzofuran	168	7.395	7.397	-0.002	92	888361	24.0	22.9	
72 2,3,4,6-Tetrachlorophenol	232	7.517	7.516	0.001	91	167931	24.0	24.4	
73 Diethyl phthalate	149	7.626	7.621	0.005	97	749169	24.0	23.5	
75 Fluorene	166	7.722	7.720	0.002	81	680904	24.0	22.7	
74 4-Chlorophenyl phenyl ether	204	7.722	7.723	-0.001	72	322834	24.0	22.8	
76 4-Nitroaniline	138	7.747	7.736	0.011	93	173834	24.0	26.0	
77 4,6-Dinitro-2-methylphenol	198	7.773	7.768	0.005	56	188124	48.0	50.8	
78 N-Nitrosodiphenylamine	169	7.837	7.832	0.005	55	481067	24.0	23.2	
79 1,2-Diphenylhydrazine	77	7.875	7.874	0.001	97	700614	24.0	23.1	
$ 80 2,4,6-Tribromophenol	330	7.949	7.947	0.002	94	115046	24.0	26.0	
81 4-Bromophenyl phenyl ether	248	8.185	8.184	0.001	84	171157	24.0	22.8	
82 Hexachlorobenzene	284	8.249	8.251	-0.002	97	225272	24.0	23.7	
83 Atrazine	200	8.342	8.340	0.002	84	49251	6.40	6.73	
84 Pentachlorophenol	266	8.435	8.433	0.002	89	265181	48.0	52.8	
85 Pentachloronitrobenzene	237	8.451	8.449	0.002	87	98936	24.0	26.2	
86 n-Octadecane	57	8.528	8.526	0.002	89	621761	24.0	23.5	
* 87 Phenanthrene-d10	188	8.604	8.606	-0.002	99	318262	8.00	8.00	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
88 Phenanthrene	178	8.630	8.628	0.002	98	965998	24.0	23.0	
89 Anthracene	178	8.678	8.676	0.002	97	972394	24.0	22.8	
90 Carbazole	167	8.828	8.829	-0.001	83	896653	24.0	23.4	
91 Di-n-butyl phthalate	149	9.173	9.171	0.002	99	1209627	24.0	24.0	
92 Fluoranthene	202	9.754	9.755	-0.001	97	962074	24.0	23.3	
93 Benzidine	184	9.882	9.880	0.002	99	581764	24.0	26.2	
94 Pyrene	202	9.969	9.966	0.003	96	982563	24.0	22.6	
95 Bisphenol-A	213	10.020	10.021	-0.001	97	362637	24.0	25.1	
$ 96 Terphenyl-d14	244	10.122	10.123	-0.001	98	730447	24.0	23.1	
97 Butyl benzyl phthalate	149	10.627	10.624	0.003	95	482097	24.0	25.5	
99 Carbamazepine	193	10.739	10.733	0.006	91	389257	24.0	27.9	
100 3,3'-Dichlorobenzidine	252	11.221	11.219	0.002	99	354344	24.0	26.6	
101 Benzo[a]anthracene	228	11.244	11.241	0.003	100	873769	24.0	22.9	
* 102 Chrysene-d12	240	11.257	11.254	0.003	91	251941	8.00	8.00	
104 Chrysene	228	11.289	11.286	0.003	95	840127	24.0	23.2	
103 Bis(2-ethylhexyl) phthalate	149	11.311	11.312	-0.001	85	744795	24.0	26.4	
105 Di-n-octyl phthalate	149	12.174	12.171	0.003	94	1255248	24.0	25.8	
106 Benzo[b]fluoranthene	252	12.666	12.663	0.003	95	861407	24.0	24.0	
107 Benzo[k]fluoranthene	252	12.707	12.701	0.006	95	867443	24.0	23.7	
108 Benzo[a]pyrene	252	13.126	13.120	0.006	95	843866	24.0	24.2	
* 109 Perylene-d12	264	13.203	13.203	0.000	96	252342	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	14.787	14.778	0.009	93	792324	24.0	25.7	
111 Dibenz(a,h)anthracene	278	14.826	14.817	0.009	94	829374	24.0	26.0	
112 Benzo[g,h,i]perylene	276	15.229	15.216	0.013	90	842547	24.0	24.3	
S 119 Total Cresols	1				0			46.8	

QC Flag Legend

Processing Flags
NC - Not Calibrated
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

SV_BNAL9_LVI_00003 Amount Added: 1.00 Units: mL

Report Date: 10-Mar-2022 14:08:40 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS17\20220310-142495.b\M234656.D

Injection Date: 10-Mar-2022 11:04:30 Instrument ID: CBNAMS17

Lims ID: STD24

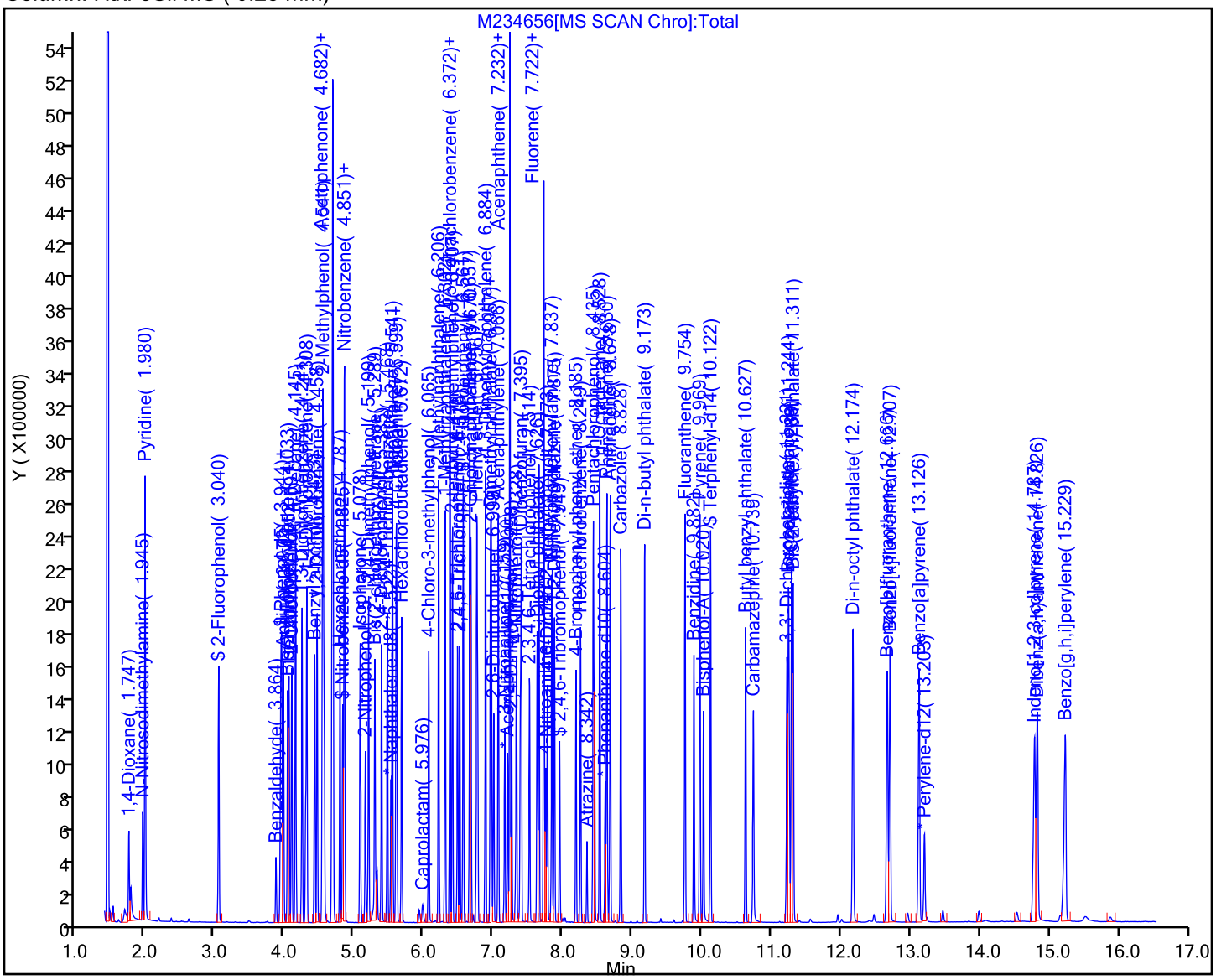
Client ID:

Operator ID: ALS Bottle#: 3 Worklist Smp#: 3

Injection Vol: 5.0 ul Dil. Factor: 1.0000

Method: 8270LVI_17 Limit Group: SV 8270E ICAL

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS17\20220310-142495.b\M234657.D
Lims ID: STD16
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 10-Mar-2022 11:25:30 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0142495-004
Operator ID: Instrument ID: CBNAMS17
Sublist: chrom-8270LVI_17*sub22

Method: \\chromfs\Edison\ChromData\CBNAMS17\20220310-142495.b\8270LVI_17.m
Limit Group: SV 8270E ICAL
Last Update: 10-Mar-2022 14:08:44 Calib Date: 10-Mar-2022 13:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS17\20220310-142495.b\M234663.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1660

First Level Reviewer: johnstonm1 Date: 10-Mar-2022 11:46:33

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.750	1.747	0.003	92	105776	16.0	14.9	
	2 N-Nitrosodimethylamine	74	1.951	1.945	0.006	76	158705	16.0	15.8	
	3 Pyridine	79	1.983	1.980	0.003	74	506165	32.0	32.6	
$	4 2-Fluorophenol	112	3.040	3.040	0.000	91	284440	16.0	16.1	
	5 Benzaldehyde	77	3.863	3.864	-0.001	87	66709	4.80	4.46	
$	6 Phenol-d5	99	3.930	3.927	0.003	96	343111	16.0	15.9	
	7 Phenol	94	3.943	3.940	0.003	97	346693	16.0	16.1	
	8 Aniline	93	3.969	3.969	0.000	13	406825	16.0	15.9	
	9 Bis(2-chloroethyl)ether	93	4.030	4.030	0.000	87	251946	16.0	16.1	
	10 Benzonitrile	103	4.049	4.046	0.003	98	537961	NC	NC	
	11 2-Chlorophenol	128	4.090	4.087	0.003	90	287921	16.0	16.2	
	12 n-Decane	43	4.145	4.145	0.000	93	401581	16.0	15.6	
	13 1,3-Dichlorobenzene	146	4.240	4.240	0.000	96	330196	16.0	15.9	
*	14 1,4-Dichlorobenzene-d4	152	4.291	4.292	-0.001	96	105184	8.00	8.00	
	15 1,4-Dichlorobenzene	146	4.307	4.308	-0.001	94	338490	16.0	16.1	
	16 Benzyl alcohol	108	4.419	4.419	0.000	90	177464	16.0	16.1	
	17 1,2-Dichlorobenzene	146	4.458	4.458	0.000	92	316989	16.0	15.9	
	18 2-Methylphenol	108	4.531	4.528	0.003	85	248995	16.0	16.1	
	19 2,2'-oxybis[1-chloropropane]	45	4.557	4.557	0.000	92	523244	16.0	15.7	
	20 N-Methylaniline	106	4.672	4.669	0.003	81	442786	16.0	16.5	
	21 Acetophenone	105	4.678	4.678	0.000	80	372047	16.0	15.7	
	24 4-Methylphenol	108	4.681	4.681	0.000	70	277483	16.0	16.0	
	23 3 & 4 Methylphenol	108	4.681	4.681	0.000	78	278529	16.0	16.1	
	22 N-Nitrosodi-n-propylamine	70	4.681	4.681	0.000	75	185235	16.0	15.9	
	25 Hexachloroethane	117	4.787	4.787	0.000	93	127729	16.0	16.1	
$	27 Nitrobenzene-d5	82	4.825	4.822	0.003	93	281457	16.0	16.3	
	28 Nitrobenzene	123	4.844	4.841	0.003	84	131316	16.0	17.7	
	29 n,n'-Dimethylaniline	120	4.851	4.847	0.004	86	421041	16.0	15.9	
	30 Isophorone	82	5.074	5.071	0.003	96	488301	16.0	15.8	
	32 2-Nitrophenol	139	5.151	5.151	0.000	87	123562	16.0	17.7	
	33 2,4-Dimethylphenol	122	5.196	5.196	0.000	90	231531	16.0	16.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.301	5.285	0.016	90	111008	16.0	16.3	
34 Bis(2-chloroethoxy)methane	93	5.285	5.285	0.000	92	297470	16.0	15.9	
36 2,4-Dichlorophenol	162	5.384	5.384	0.000	94	226235	16.0	16.3	
37 1,2,4-Trichlorobenzene	180	5.467	5.467	0.000	95	240388	16.0	15.8	
* 38 Naphthalene-d8	136	5.518	5.522	-0.004	99	380792	8.00	8.00	
39 Naphthalene	128	5.541	5.541	0.000	99	770568	16.0	15.8	
40 4-Chloroaniline	127	5.592	5.592	0.000	94	325843	16.0	16.1	
130 2,6-Dichlorophenol	162	5.601	5.601	0.000	93	221706	16.0	16.1	
41 Hexachlorobutadiene	225	5.672	5.675	-0.003	92	143422	16.0	16.3	
42 Caprolactam	113	5.953	5.905	0.048	84	18619	4.80	5.58	M
43 4-Chloro-3-methylphenol	107	6.065	6.065	0.000	95	210099	16.0	16.3	
44 2-Methylnaphthalene	142	6.205	6.205	0.000	81	500118	16.0	15.8	
45 1-Methylnaphthalene	142	6.301	6.301	0.000	91	457709	16.0	15.9	
46 Hexachlorocyclopentadiene	237	6.368	6.371	-0.003	82	172422	16.0	16.5	
47 1,2,4,5-Tetrachlorobenzene	216	6.371	6.371	0.000	94	231530	16.0	15.8	
48 2-tertbutyl-4-methylphenol	149	6.406	6.406	0.000	80	308656	16.0	16.3	
49 2,4,6-Trichlorophenol	196	6.477	6.480	-0.003	88	153777	16.0	17.2	
50 2,4,5-Trichlorophenol	196	6.509	6.509	0.000	96	165313	16.0	16.7	
$ 51 2-Fluorobiphenyl	172	6.560	6.560	0.000	97	552534	16.0	15.6	
52 1,1'-Biphenyl	154	6.653	6.656	-0.003	97	574967	16.0	15.8	
53 2-Chloronaphthalene	162	6.669	6.669	0.000	96	462818	16.0	15.7	
54 Phenyl ether	170	6.755	6.755	0.000	85	322980	16.0	16.2	
55 2-Nitroaniline	65	6.768	6.764	0.004	96	164523	16.0	17.1	
57 1,3-Dimethylnaphthalene	156	6.880	6.883	-0.003	88	358461	16.0	16.2	
59 Dimethyl phthalate	163	6.950	6.950	0.000	98	505772	16.0	15.7	
60 Coumarin	146	6.960	6.959	0.001	74	178215	16.0	15.9	
61 2,6-Dinitrotoluene	165	6.998	6.998	0.000	18	105994	16.0	17.9	
62 Acenaphthylene	152	7.065	7.065	0.000	96	739499	16.0	15.9	
63 3-Nitroaniline	138	7.158	7.158	0.000	92	119607	16.0	17.2	
* 64 Acenaphthene-d10	164	7.199	7.202	-0.003	98	199344	8.00	8.00	
65 3,5-di-tert-butyl-4-hydroxytol	205	7.231	7.231	0.000	80	376654	16.0	16.3	
66 Acenaphthene	154	7.231	7.231	0.000	95	407978	16.0	15.6	
67 2,4-Dinitrophenol	184	7.254	7.254	0.000	92	97658	32.0	32.7	a
68 4-Nitrophenol	65	7.324	7.321	0.003	90	180338	32.0	35.6	
69 2,4-Dinitrotoluene	165	7.378	7.378	0.000	91	135876	16.0	16.2	
70 Dibenzofuran	168	7.394	7.397	-0.003	92	616568	16.0	15.6	
72 2,3,4,6-Tetrachlorophenol	232	7.513	7.516	-0.003	91	118103	16.0	16.8	
73 Diethyl phthalate	149	7.625	7.621	0.003	97	511416	16.0	15.7	
75 Fluorene	166	7.720	7.720	0.000	80	468103	16.0	15.3	
74 4-Chlorophenyl phenyl ether	204	7.720	7.723	-0.003	72	225097	16.0	15.6	
76 4-Nitroaniline	138	7.740	7.736	0.004	92	118820	16.0	17.4	
77 4,6-Dinitro-2-methylphenol	198	7.769	7.768	0.000	25	125862	32.0	34.1	
78 N-Nitrosodiphenylamine	169	7.832	7.832	0.000	52	331227	16.0	15.8	
79 1,2-Diphenylhydrazine	77	7.871	7.874	-0.003	97	484022	16.0	15.8	
$ 80 2,4,6-Tribromophenol	330	7.948	7.947	0.001	93	78662	16.0	17.4	
81 4-Bromophenyl phenyl ether	248	8.184	8.184	0.000	84	120639	16.0	15.9	
82 Hexachlorobenzene	284	8.248	8.251	-0.003	98	153319	16.0	16.0	
83 Atrazine	200	8.341	8.340	0.001	84	38838	4.80	5.27	
84 Pentachlorophenol	266	8.430	8.433	-0.003	89	180846	32.0	35.7	
85 Pentachloronitrobenzene	237	8.449	8.449	0.000	87	67168	16.0	17.7	
86 n-Octadecane	57	8.526	8.526	0.000	89	423967	16.0	15.9	
* 87 Phenanthrene-d10	188	8.603	8.606	-0.003	99	320718	8.00	8.00	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
88 Phenanthrene	178	8.629	8.628	0.001	98	665210	16.0	15.7	
89 Anthracene	178	8.677	8.676	0.001	97	677479	16.0	15.8	
90 Carbazole	167	8.827	8.829	-0.002	83	617694	16.0	16.0	
91 Di-n-butyl phthalate	149	9.172	9.171	0.001	99	825193	16.0	16.3	
92 Fluoranthene	202	9.753	9.755	-0.002	97	664285	16.0	15.9	
93 Benzidine	184	9.880	9.880	0.000	99	385056	16.0	17.2	
94 Pyrene	202	9.967	9.966	0.001	96	679910	16.0	15.8	
95 Bisphenol-A	213	10.018	10.021	-0.003	97	234110	16.0	16.5	
$ 96 Terphenyl-d14	244	10.120	10.123	-0.003	98	493707	16.0	15.8	
97 Butyl benzyl phthalate	149	10.625	10.624	0.001	95	320813	16.0	17.2	
99 Carbamazepine	193	10.734	10.733	0.001	91	253948	16.0	18.4	
100 3,3'-Dichlorobenzidine	252	11.219	11.219	0.000	99	235079	16.0	17.9	
101 Benzo[a]anthracene	228	11.242	11.241	0.001	100	592287	16.0	15.7	
* 102 Chrysene-d12	240	11.254	11.254	0.000	92	249082	8.00	8.00	
104 Chrysene	228	11.286	11.286	0.000	95	568074	16.0	15.8	
103 Bis(2-ethylhexyl) phthalate	149	11.309	11.312	-0.003	85	493309	16.0	17.7	
105 Di-n-octyl phthalate	149	12.168	12.171	-0.003	94	819648	16.0	17.3	
106 Benzo[b]fluoranthene	252	12.660	12.663	-0.003	94	564758	16.0	16.2	
107 Benzo[k]fluoranthene	252	12.702	12.701	0.001	95	576404	16.0	16.2	
108 Benzo[a]pyrene	252	13.120	13.120	0.000	94	562208	16.0	16.6	
* 109 Perylene-d12	264	13.200	13.203	-0.003	96	245166	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	14.778	14.778	0.000	93	513629	16.0	17.1	
111 Dibenz(a,h)anthracene	278	14.817	14.817	0.000	94	534831	16.0	17.3	
112 Benzo[g,h,i]perylene	276	15.216	15.216	0.000	90	548673	16.0	16.3	
S 119 Total Cresols	1				0			32.2	

QC Flag Legend

Processing Flags
NC - Not Calibrated
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

SV_BNAL8_LVI_00004 Amount Added: 1.00 Units: mL

Report Date: 10-Mar-2022 14:08:46 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS17\20220310-142495.b\M234657.D

Injection Date: 10-Mar-2022 11:25:30 Instrument ID: CBNAMS17

Lims ID: STD16

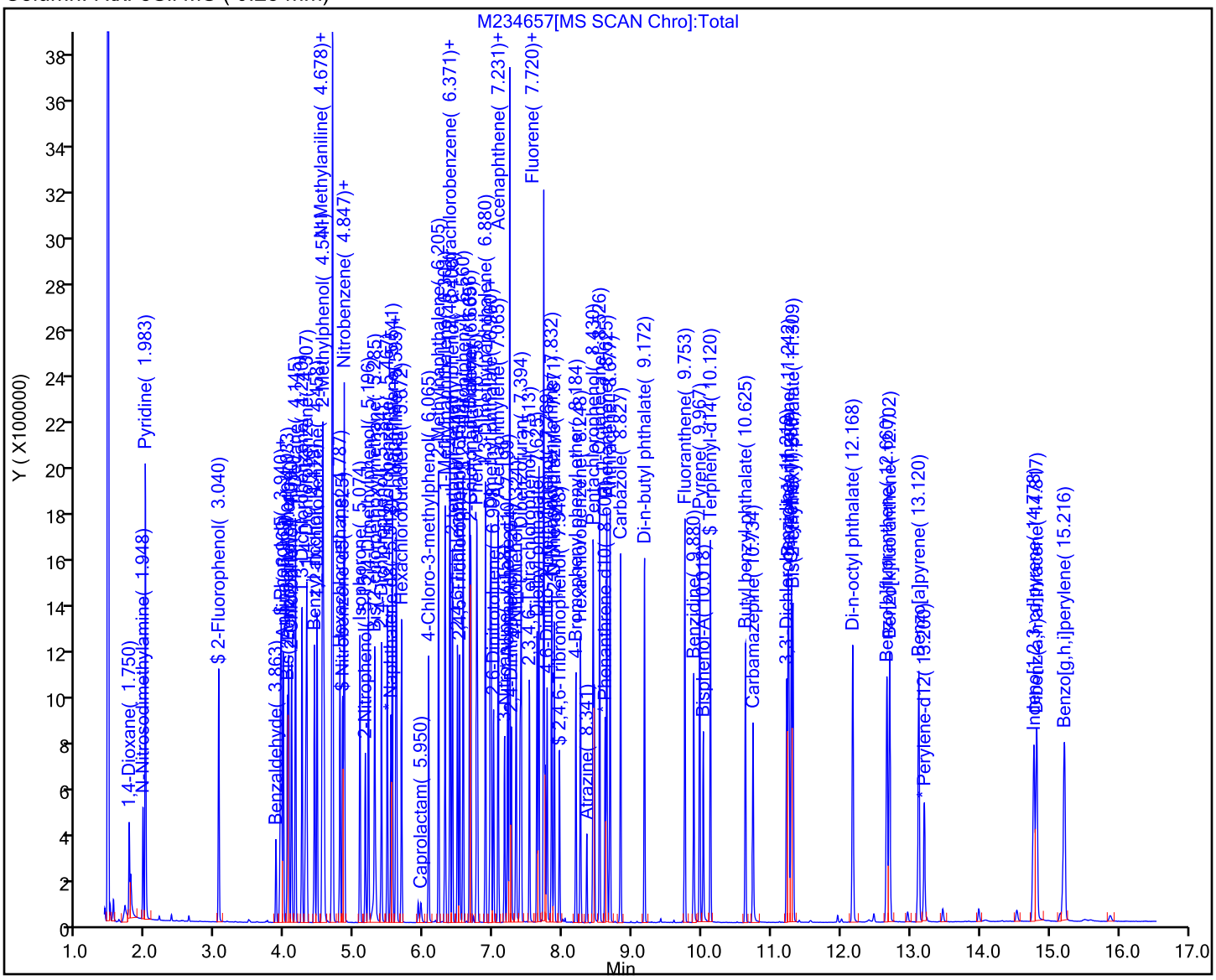
Client ID:

Operator ID: ALS Bottle#: 4 Worklist Smp#: 4

Injection Vol: 5.0 ul Dil. Factor: 1.0000

Method: 8270LVI_17 Limit Group: SV 8270E ICAL

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS17\20220310-142495.b\M234658.D
Lims ID: STD4
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 10-Mar-2022 11:47:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0142495-005
Operator ID: Instrument ID: CBNAMS17
Sublist: chrom-8270LVI_17*sub22

Method: \\chromfs\Edison\ChromData\CBNAMS17\20220310-142495.b\8270LVI_17.m
Limit Group: SV 8270E ICAL
Last Update: 10-Mar-2022 14:08:50 Calib Date: 10-Mar-2022 13:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS17\20220310-142495.b\M234663.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1660

First Level Reviewer: johnstonm1 Date: 10-Mar-2022 12:06:11

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.756	1.756	0.000	92	29914	4.00	3.85	M
	2 N-Nitrosodimethylamine	74	1.951	1.951	0.000	73	42851	4.00	3.90	
	3 Pyridine	79	1.990	1.990	0.000	74	134046	8.00	7.91	
$	4 2-Fluorophenol	112	3.043	3.043	0.000	91	76648	4.00	3.99	
	5 Benzaldehyde	77	3.863	3.863	0.000	86	49537	3.20	3.04	
$	6 Phenol-d5	99	3.924	3.924	0.000	96	91935	4.00	3.91	
	7 Phenol	94	3.937	3.937	0.000	98	92042	4.00	3.91	
	8 Aniline	93	3.969	3.969	0.000	76	108389	4.00	3.89	
	9 Bis(2-chloroethyl)ether	93	4.026	4.026	0.000	86	66638	4.00	3.89	
	10 Benzonitrile	103	4.042	4.042	0.000	96	142265	NC	NC	
	11 2-Chlorophenol	128	4.087	4.087	0.000	93	75179	4.00	3.88	
	12 n-Decane	43	4.144	4.144	0.000	93	110253	4.00	3.92	
	13 1,3-Dichlorobenzene	146	4.240	4.240	0.000	95	87962	4.00	3.89	
*	14 1,4-Dichlorobenzene-d4	152	4.291	4.291	0.000	97	114732	8.00	8.00	
	15 1,4-Dichlorobenzene	146	4.307	4.307	0.000	83	89567	4.00	3.92	
	16 Benzyl alcohol	108	4.416	4.416	0.000	91	46037	4.00	3.84	
	17 1,2-Dichlorobenzene	146	4.457	4.457	0.000	95	85442	4.00	3.93	
	18 2-Methylphenol	108	4.527	4.527	0.000	85	64238	4.00	3.80	
	19 2,2'-oxybis[1-chloropropane]	45	4.553	4.553	0.000	54	140123	4.00	3.85	
	20 N-Methylaniline	106	4.668	4.668	0.000	76	119902	4.00	4.09	
	21 Acetophenone	105	4.674	4.674	0.000	78	100937	4.00	3.90	
	24 4-Methylphenol	108	4.678	4.678	0.000	73	72863	4.00	3.86	
	23 3 & 4 Methylphenol	108	4.678	4.678	0.000	79	72863	4.00	3.85	
	22 N-Nitrosodi-n-propylamine	70	4.678	4.678	0.000	83	48400	4.00	3.82	
	25 Hexachloroethane	117	4.786	4.786	0.000	92	33981	4.00	3.93	
$	27 Nitrobenzene-d5	82	4.821	4.821	0.000	94	75180	4.00	4.02	
	28 Nitrobenzene	123	4.837	4.837	0.000	85	33712	4.00	4.17	
	29 n,n'-Dimethylaniline	120	4.847	4.847	0.000	87	112616	4.00	3.89	
	30 Isophorone	82	5.070	5.070	0.000	98	131476	4.00	3.93	
	32 2-Nitrophenol	139	5.150	5.150	0.000	88	29855	4.00	3.95	
	33 2,4-Dimethylphenol	122	5.195	5.195	0.000	89	61208	4.00	3.93	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.252	5.252	0.000	88	18920	4.00	3.35	
34 Bis(2-chloroethoxy)methane	93	5.284	5.284	0.000	89	78636	4.00	3.90	
36 2,4-Dichlorophenol	162	5.380	5.380	0.000	94	59553	4.00	3.97	
37 1,2,4-Trichlorobenzene	180	5.466	5.466	0.000	94	63668	4.00	3.86	
* 38 Naphthalene-d8	136	5.517	5.517	0.000	99	411743	8.00	8.00	
39 Naphthalene	128	5.540	5.540	0.000	90	208751	4.00	3.95	
40 4-Chloroaniline	127	5.588	5.588	0.000	94	86432	4.00	3.95	
130 2,6-Dichlorophenol	162	5.600	5.600	0.000	96	59565	4.00	4.00	
41 Hexachlorobutadiene	225	5.671	5.671	0.000	93	38234	4.00	4.01	
42 Caprolactam	113	5.891	5.891	0.000	84	11883	3.20	3.29	
43 4-Chloro-3-methylphenol	107	6.060	6.060	0.000	93	55295	4.00	3.97	
44 2-Methylnaphthalene	142	6.204	6.204	0.000	83	133792	4.00	3.91	
45 1-Methylnaphthalene	142	6.300	6.300	0.000	89	121519	4.00	3.91	
46 Hexachlorocyclopentadiene	237	6.367	6.367	0.000	80	44377	4.00	3.86	
47 1,2,4,5-Tetrachlorobenzene	216	6.370	6.370	0.000	95	62765	4.00	3.88	
48 2-tertbutyl-4-methylphenol	149	6.402	6.402	0.000	83	79834	4.00	3.90	
49 2,4,6-Trichlorophenol	196	6.475	6.475	0.000	88	39202	4.00	3.97	
50 2,4,5-Trichlorophenol	196	6.507	6.507	0.000	94	41523	4.00	3.80	
$ 51 2-Fluorobiphenyl	172	6.559	6.559	0.000	97	154135	4.00	3.96	
52 1,1'-Biphenyl	154	6.651	6.651	0.000	97	154989	4.00	3.87	
53 2-Chloronaphthalene	162	6.667	6.667	0.000	95	126538	4.00	3.90	
54 Phenyl ether	170	6.753	6.753	0.000	86	86509	4.00	3.94	
55 2-Nitroaniline	65	6.763	6.763	0.000	92	41041	4.00	3.87	
57 1,3-Dimethylnaphthalene	156	6.878	6.878	0.000	89	96056	4.00	3.93	
59 Dimethyl phthalate	163	6.942	6.942	0.000	98	138316	4.00	3.90	
60 Coumarin	146	6.955	6.955	0.000	74	47972	4.00	3.95	
61 2,6-Dinitrotoluene	165	6.993	6.993	0.000	72	26476	4.00	4.05	
62 Acenaphthylene	152	7.060	7.060	0.000	95	199949	4.00	3.90	
63 3-Nitroaniline	138	7.150	7.150	0.000	92	29554	4.00	3.86	
* 64 Acenaphthene-d10	164	7.197	7.197	0.000	98	219636	8.00	8.00	
65 3,5-di-tert-butyl-4-hydroxytol	205	7.229	7.229	0.000	72	97408	4.00	3.84	
66 Acenaphthene	154	7.229	7.229	0.000	94	110704	4.00	3.85	
67 2,4-Dinitrophenol	184	7.249	7.249	0.000	89	19010	8.00	7.00	a
68 4-Nitrophenol	65	7.313	7.313	0.000	90	43702	8.00	7.83	
69 2,4-Dinitrotoluene	165	7.373	7.373	0.000	89	33206	4.00	3.69	
70 Dibenzofuran	168	7.392	7.392	0.000	91	170907	4.00	3.93	
72 2,3,4,6-Tetrachlorophenol	232	7.511	7.511	0.000	90	29736	4.00	3.85	
73 Diethyl phthalate	149	7.616	7.616	0.000	96	139191	4.00	3.89	
75 Fluorene	166	7.718	7.718	0.000	81	133488	4.00	3.97	
74 4-Chlorophenyl phenyl ether	204	7.718	7.718	0.000	70	61539	4.00	3.88	
76 4-Nitroaniline	138	7.728	7.728	0.000	92	29155	4.00	3.88	
77 4,6-Dinitro-2-methylphenol	198	7.763	7.763	0.000	9	26707	8.00	7.23	
78 N-Nitrosodiphenylamine	169	7.830	7.830	0.000	52	90082	4.00	3.83	
79 1,2-Diphenylhydrazine	77	7.869	7.869	0.000	97	132197	4.00	3.85	
$ 80 2,4,6-Tribromophenol	330	7.942	7.942	0.000	91	20529	4.00	4.13	
81 4-Bromophenyl phenyl ether	248	8.182	8.182	0.000	84	32483	4.00	3.83	
82 Hexachlorobenzene	284	8.245	8.245	0.000	96	42500	4.00	3.95	
83 Atrazine	200	8.338	8.338	0.000	84	26392	3.20	3.19	
84 Pentachlorophenol	266	8.427	8.427	0.000	91	43590	8.00	7.66	
85 Pentachloronitrobenzene	237	8.447	8.447	0.000	86	16095	4.00	3.77	
86 n-Octadecane	57	8.523	8.523	0.000	87	113915	4.00	3.81	
* 87 Phenanthrene-d10	188	8.603	8.603	0.000	99	360037	8.00	8.00	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
88 Phenanthrene	178	8.626	8.626	0.000	96	181532	4.00	3.82	
89 Anthracene	178	8.670	8.670	0.000	96	186670	4.00	3.87	
90 Carbazole	167	8.824	8.824	0.000	83	168589	4.00	3.88	
91 Di-n-butyl phthalate	149	9.169	9.169	0.000	99	221082	4.00	3.88	
92 Fluoranthene	202	9.749	9.749	0.000	97	180173	4.00	3.85	
93 Benzidine	184	9.877	9.877	0.000	99	101293	4.00	4.04	
94 Pyrene	202	9.963	9.963	0.000	96	187739	4.00	3.90	
95 Bisphenol-A	213	10.015	10.015	0.000	96	51818	4.00	3.62	
$ 96 Terphenyl-d14	244	10.117	10.117	0.000	97	138281	4.00	3.95	
97 Butyl benzyl phthalate	149	10.621	10.621	0.000	94	81263	4.00	3.88	
99 Carbamazepine	193	10.727	10.727	0.000	91	58097	4.00	3.75	
100 3,3'-Dichlorobenzidine	252	11.215	11.215	0.000	100	60083	4.00	4.07	
101 Benzo[a]anthracene	228	11.238	11.238	0.000	99	163869	4.00	3.87	
* 102 Chrysene-d12	240	11.250	11.250	0.000	97	279329	8.00	8.00	
104 Chrysene	228	11.279	11.279	0.000	95	154049	4.00	3.83	
103 Bis(2-ethylhexyl) phthalate	149	11.308	11.308	0.000	84	125965	4.00	4.03	
105 Di-n-octyl phthalate	149	12.167	12.167	0.000	93	202626	4.00	3.82	
106 Benzo[b]fluoranthene	252	12.656	12.656	0.000	96	150493	4.00	3.85	
107 Benzo[k]fluoranthene	252	12.691	12.691	0.000	98	156623	4.00	3.92	
108 Benzo[a]pyrene	252	13.112	13.112	0.000	95	150542	4.00	3.96	
* 109 Perylene-d12	264	13.199	13.199	0.000	97	274936	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	14.767	14.767	0.000	97	133247	4.00	3.96	
111 Dibenz(a,h)anthracene	278	14.805	14.805	0.000	94	140446	4.00	4.05	
112 Benzo[g,h,i]perylene	276	15.198	15.198	0.000	88	145608	4.00	3.86	
S 119 Total Cresols	1				0			7.66	

QC Flag Legend

Processing Flags
NC - Not Calibrated
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

SV_BNAL6_LVI_00005 Amount Added: 1.00 Units: mL

Report Date: 10-Mar-2022 14:08:52 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS17\20220310-142495.b\M234658.D

Injection Date: 10-Mar-2022 11:47:30 Instrument ID: CBNAMS17

Lims ID: STD4

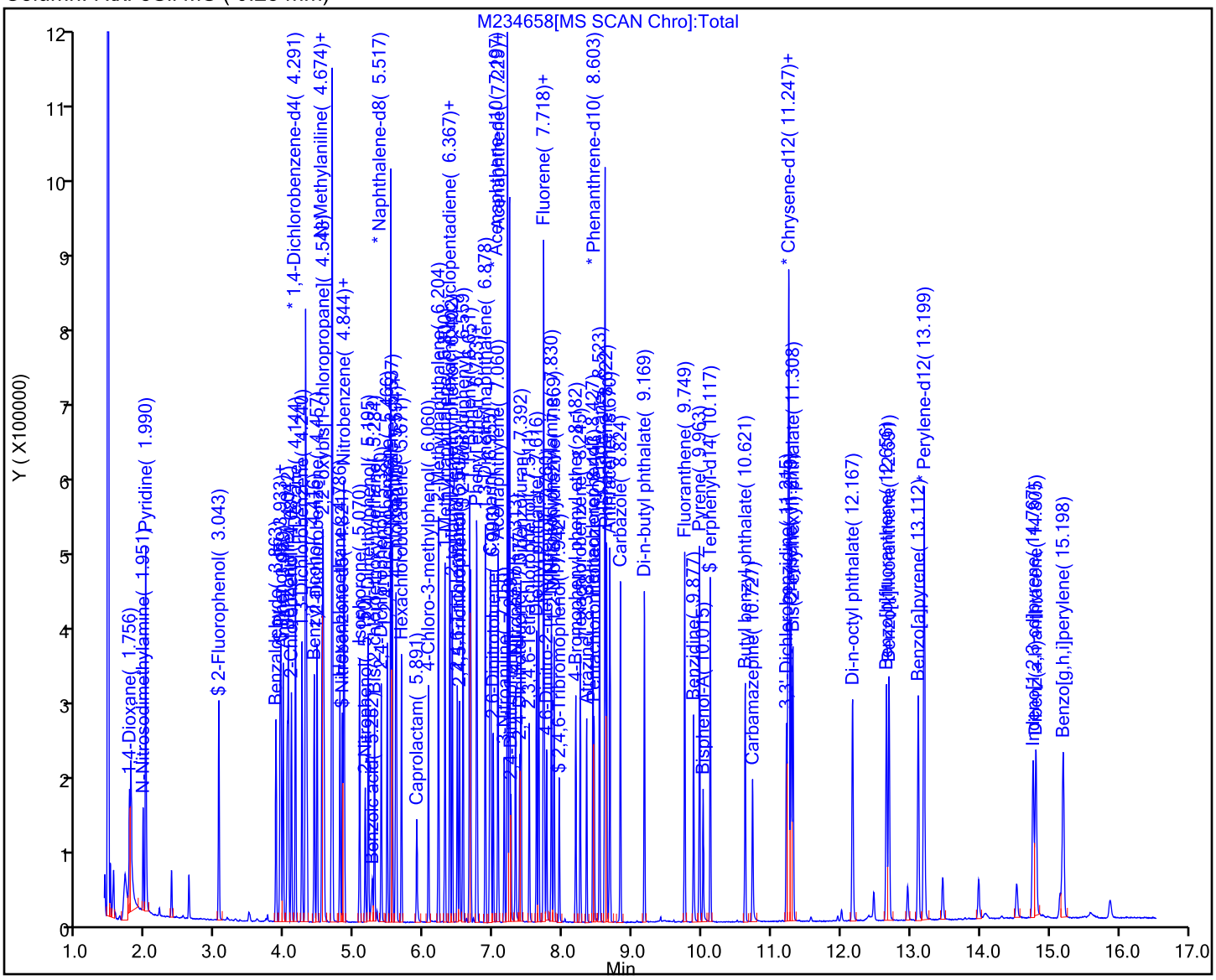
Client ID:

Operator ID: ALS Bottle#: 5 Worklist Smp#: 5

Injection Vol: 5.0 ul Dil. Factor: 1.0000

Method: 8270LVI_17 Limit Group: SV 8270E ICAL

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS17\20220310-142495.b\M234659.D
Lims ID: STD2
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 10-Mar-2022 12:08:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0142495-006
Operator ID: Instrument ID: CBNAMS17
Sublist: chrom-8270LVI_17*sub22

Method: \\chromfs\Edison\ChromData\CBNAMS17\20220310-142495.b\8270LVI_17.m
Limit Group: SV 8270E ICAL
Last Update: 10-Mar-2022 14:08:56 Calib Date: 10-Mar-2022 13:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS17\20220310-142495.b\M234663.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1660

First Level Reviewer: johnstonm1 Date: 10-Mar-2022 12:37:26

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.757	1.756	0.001	86	17734	2.00	2.19	M
	2 N-Nitrosodimethylamine	74	1.951	1.951	0.000	73	23893	2.00	2.09	
	3 Pyridine	79	1.990	1.990	0.000	74	74320	4.00	4.21	
$	4 2-Fluorophenol	112	3.040	3.043	-0.003	90	37246	2.00	1.86	
	5 Benzaldehyde	77	3.863	3.863	0.000	87	32691	2.00	1.92	
$	6 Phenol-d5	99	3.921	3.924	-0.003	96	46284	2.00	1.89	
	7 Phenol	94	3.933	3.937	-0.004	97	49855	2.00	2.03	
	8 Aniline	93	3.965	3.969	-0.004	73	58882	2.00	2.03	
	9 Bis(2-chloroethyl)ether	93	4.026	4.026	0.000	85	36803	2.00	2.06	
	10 Benzonitrile	103	4.039	4.042	-0.003	98	73934	NC	NC	
	11 2-Chlorophenol	128	4.087	4.087	0.000	93	41624	2.00	2.06	
	12 n-Decane	43	4.144	4.144	0.000	92	61448	2.00	2.10	
	13 1,3-Dichlorobenzene	146	4.237	4.240	-0.003	94	48709	2.00	2.07	
*	14 1,4-Dichlorobenzene-d4	152	4.291	4.291	0.000	96	119599	8.00	8.00	
	15 1,4-Dichlorobenzene	146	4.307	4.307	0.000	80	48813	2.00	2.05	
	16 Benzyl alcohol	108	4.416	4.416	0.000	90	25207	2.00	2.02	
	17 1,2-Dichlorobenzene	146	4.457	4.457	0.000	95	47099	2.00	2.08	
	18 2-Methylphenol	108	4.524	4.527	-0.003	86	36550	2.00	2.08	
	19 2,2'-oxybis[1-chloropropane]	45	4.553	4.553	0.000	54	78956	2.00	2.08	
	20 N-Methylaniline	106	4.665	4.668	-0.003	80	61426	2.00	2.01	
	21 Acetophenone	105	4.674	4.674	0.000	79	55503	2.00	2.06	
	24 4-Methylphenol	108	4.674	4.678	-0.004	71	40907	2.00	2.08	
	23 3 & 4 Methylphenol	108	4.674	4.678	-0.004	81	40907	2.00	2.08	
	22 N-Nitrosodi-n-propylamine	70	4.677	4.678	-0.001	91	26920	2.00	2.04	
	25 Hexachloroethane	117	4.786	4.786	0.000	93	18620	2.00	2.07	
$	27 Nitrobenzene-d5	82	4.818	4.821	-0.003	92	37613	2.00	1.87	
	28 Nitrobenzene	123	4.837	4.837	0.000	84	17748	2.00	2.10	
	29 n,n'-Dimethylaniline	120	4.847	4.847	0.000	87	58042	2.00	1.92	
	30 Isophorone	82	5.067	5.070	-0.003	96	74218	2.00	2.07	
	32 2-Nitrophenol	139	5.150	5.150	0.000	86	15734	2.00	1.94	
	33 2,4-Dimethylphenol	122	5.191	5.195	-0.004	89	34058	2.00	2.04	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.239	5.252	-0.013	68	8278	2.00	1.91	
34 Bis(2-chloroethoxy)methane	93	5.281	5.284	-0.003	92	44156	2.00	2.04	
36 2,4-Dichlorophenol	162	5.380	5.380	0.000	93	32066	2.00	1.99	
37 1,2,4-Trichlorobenzene	180	5.466	5.466	0.000	95	35347	2.00	2.00	
* 38 Naphthalene-d8	136	5.517	5.517	0.000	99	441934	8.00	8.00	
39 Naphthalene	128	5.536	5.540	-0.004	89	116517	2.00	2.05	
40 4-Chloroaniline	127	5.587	5.588	-0.001	94	48473	2.00	2.06	
130 2,6-Dichlorophenol	162	5.600	5.600	0.000	96	32619	2.00	2.04	
41 Hexachlorobutadiene	225	5.670	5.671	-0.001	92	21008	2.00	2.05	
42 Caprolactam	113	5.888	5.891	-0.003	83	7764	2.00	2.01	
43 4-Chloro-3-methylphenol	107	6.060	6.060	0.000	92	29977	2.00	2.01	
44 2-Methylnaphthalene	142	6.204	6.204	0.000	80	75078	2.00	2.04	
45 1-Methylnaphthalene	142	6.296	6.300	-0.004	89	68528	2.00	2.05	
46 Hexachlorocyclopentadiene	237	6.366	6.367	-0.001	74	23960	2.00	1.93	
47 1,2,4,5-Tetrachlorobenzene	216	6.370	6.370	0.000	95	35028	2.00	2.00	
48 2-tertbutyl-4-methylphenol	149	6.402	6.402	0.000	82	42729	2.00	1.95	
49 2,4,6-Trichlorophenol	196	6.475	6.475	0.000	87	21221	2.00	1.99	
50 2,4,5-Trichlorophenol	196	6.507	6.507	0.000	91	21949	2.00	1.86	
$ 51 2-Fluorobiphenyl	172	6.558	6.559	-0.001	96	76564	2.00	1.82	
52 1,1'-Biphenyl	154	6.651	6.651	0.000	97	86432	2.00	2.00	
53 2-Chloronaphthalene	162	6.667	6.667	0.000	95	70668	2.00	2.02	
54 Phenyl ether	170	6.753	6.753	0.000	86	45984	2.00	1.94	
55 2-Nitroaniline	65	6.759	6.763	-0.004	84	21090	2.00	1.84	
57 1,3-Dimethylnaphthalene	156	6.877	6.878	-0.001	88	50473	2.00	1.91	
59 Dimethyl phthalate	163	6.941	6.942	-0.001	98	77940	2.00	2.03	
60 Coumarin	146	6.954	6.955	-0.001	75	25823	2.00	1.98	
61 2,6-Dinitrotoluene	165	6.992	6.993	-0.001	87	14046	2.00	1.99	
62 Acenaphthylene	152	7.060	7.060	0.000	96	114468	2.00	2.06	
63 3-Nitroaniline	138	7.149	7.150	-0.001	90	15629	2.00	1.89	
* 64 Acenaphthene-d10	164	7.197	7.197	0.000	99	237428	8.00	8.00	
65 3,5-di-tert-butyl-4-hydroxytol	205	7.229	7.229	0.000	61	51819	2.00	1.89	
66 Acenaphthene	154	7.226	7.229	-0.003	90	63135	2.00	2.03	
67 2,4-Dinitrophenol	184	7.248	7.249	-0.001	87	8329	4.00	3.72	a
68 4-Nitrophenol	65	7.312	7.313	-0.001	89	21699	4.00	3.60	
69 2,4-Dinitrotoluene	165	7.373	7.373	0.000	88	17482	2.00	1.87	
70 Dibenzofuran	168	7.392	7.392	0.000	88	96346	2.00	2.05	
72 2,3,4,6-Tetrachlorophenol	232	7.510	7.511	-0.001	87	15795	2.00	1.89	
73 Diethyl phthalate	149	7.615	7.616	-0.001	95	78154	2.00	2.02	
75 Fluorene	166	7.714	7.718	-0.004	82	74497	2.00	2.05	
74 4-Chlorophenyl phenyl ether	204	7.718	7.718	0.000	71	34876	2.00	2.03	
76 4-Nitroaniline	138	7.727	7.728	-0.001	92	14950	2.00	1.84	
77 4,6-Dinitro-2-methylphenol	198	7.759	7.763	-0.004	1	12961	4.00	3.83	
78 N-Nitrosodiphenylamine	169	7.829	7.830	-0.001	43	51351	2.00	2.05	
79 1,2-Diphenylhydrazine	77	7.868	7.869	-0.001	98	73477	2.00	2.01	
$ 80 2,4,6-Tribromophenol	330	7.941	7.942	-0.001	85	9813	2.00	1.82	
81 4-Bromophenyl phenyl ether	248	8.181	8.182	-0.001	83	18441	2.00	2.04	
82 Hexachlorobenzene	284	8.244	8.245	-0.001	96	23445	2.00	2.05	
83 Atrazine	200	8.337	8.338	-0.001	84	16958	2.00	1.93	
84 Pentachlorophenol	266	8.427	8.427	0.000	85	21156	4.00	3.50	
85 Pentachloronitrobenzene	237	8.443	8.447	-0.004	75	8081	2.00	1.78	
86 n-Octadecane	57	8.522	8.523	-0.001	87	64618	2.00	2.03	
* 87 Phenanthrene-d10	188	8.602	8.603	-0.001	99	383062	8.00	8.00	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
88 Phenanthrene	178	8.625	8.626	-0.001	94	105022	2.00	2.08	
89 Anthracene	178	8.673	8.670	0.003	98	104665	2.00	2.04	
90 Carbazole	167	8.823	8.824	-0.001	83	94550	2.00	2.05	
91 Di-n-butyl phthalate	149	9.167	9.169	-0.001	99	120870	2.00	1.99	
92 Fluoranthene	202	9.748	9.749	-0.001	97	100808	2.00	2.03	
93 Benzidine	184	9.876	9.877	-0.001	98	50353	2.00	1.89	
94 Pyrene	202	9.962	9.963	-0.001	96	105824	2.00	2.05	
95 Bisphenol-A	213	10.013	10.015	-0.002	92	25465	2.00	1.90	
$ 96 Terphenyl-d14	244	10.119	10.117	0.002	97	70118	2.00	1.87	
97 Butyl benzyl phthalate	149	10.620	10.621	-0.001	94	42067	2.00	1.88	
99 Carbamazepine	193	10.725	10.727	-0.002	88	30436	2.00	1.84	
100 3,3'-Dichlorobenzidine	252	11.214	11.215	-0.001	98	30200	2.00	1.91	
101 Benzo[a]anthracene	228	11.236	11.238	-0.002	99	91001	2.00	2.01	
* 102 Chrysene-d12	240	11.249	11.250	-0.001	97	298812	8.00	8.00	
104 Chrysene	228	11.278	11.279	-0.001	94	86949	2.00	2.02	
103 Bis(2-ethylhexyl) phthalate	149	11.307	11.308	-0.001	84	67046	2.00	2.01	
105 Di-n-octyl phthalate	149	12.165	12.167	-0.002	91	105531	2.00	1.88	
106 Benzo[b]fluoranthene	252	12.654	12.656	-0.002	96	84551	2.00	2.04	
107 Benzo[k]fluoranthene	252	12.689	12.691	-0.002	98	87183	2.00	2.06	
108 Benzo[a]pyrene	252	13.111	13.112	-0.002	94	83575	2.00	2.08	
* 109 Perylene-d12	264	13.197	13.199	-0.002	96	291267	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	14.762	14.767	-0.005	96	72360	2.00	2.03	
111 Dibenz(a,h)anthracene	278	14.803	14.805	-0.002	93	79138	2.00	2.15	
112 Benzo[g,h,i]perylene	276	15.196	15.198	-0.002	86	79809	2.00	2.00	
S 119 Total Cresols	1				0			4.15	

QC Flag Legend

Processing Flags
NC - Not Calibrated
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

SV_BNAL5_LVI_00004 Amount Added: 1.00 Units: mL

Report Date: 10-Mar-2022 14:08:58 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS17\20220310-142495.b\M234659.D

Injection Date: 10-Mar-2022 12:08:30 Instrument ID: CBNAMS17

Lims ID: STD2

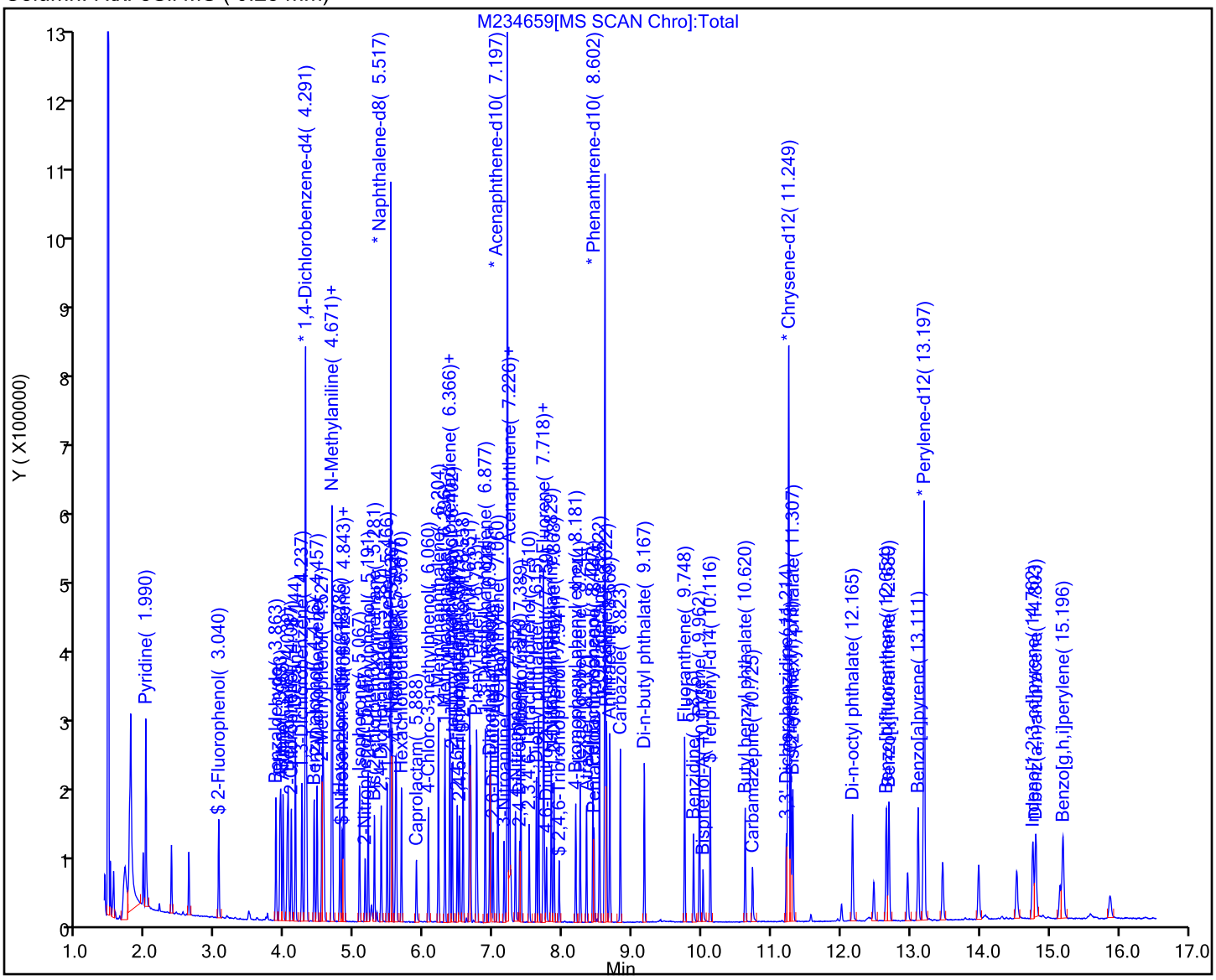
Client ID:

Operator ID: ALS Bottle#: 6 Worklist Smp#: 6

Injection Vol: 5.0 ul Dil. Factor: 1.0000

Method: 8270LVI_17 Limit Group: SV 8270E ICAL

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS17\20220310-142495.b\M234660.D
Lims ID: STD1
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 10-Mar-2022 12:29:30 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0142495-007
Operator ID: Instrument ID: CBNAMS17
Sublist: chrom-8270LVI_17*sub22

Method: \\chromfs\Edison\ChromData\CBNAMS17\20220310-142495.b\8270LVI_17.m
Limit Group: SV 8270E ICAL
Last Update: 10-Mar-2022 14:09:01 Calib Date: 10-Mar-2022 13:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS17\20220310-142495.b\M234663.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1660

First Level Reviewer: johnstonm1 Date: 10-Mar-2022 13:00:43

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.760	1.756	0.004	86	10296	1.00	1.25	M
	2 N-Nitrosodimethylamine	74	1.954	1.951	0.003	74	12047	1.00	1.03	
	3 Pyridine	79	1.993	1.990	0.003	75	38919	2.00	2.16	
$	4 2-Fluorophenol	112	3.040	3.043	-0.003	89	20090	1.00	0.9846	
	5 Benzaldehyde	77	3.863	3.863	0.000	88	17090	1.00	0.9877	
$	6 Phenol-d5	99	3.920	3.924	-0.004	95	24148	1.00	0.9668	
	7 Phenol	94	3.933	3.937	-0.004	95	25686	1.00	1.03	
	8 Aniline	93	3.965	3.969	-0.004	88	31467	1.00	1.06	
	9 Bis(2-chloroethyl)ether	93	4.026	4.026	0.000	84	19064	1.00	1.05	
	10 Benzonitrile	103	4.039	4.042	-0.003	90	38355	NC	NC	
	11 2-Chlorophenol	128	4.086	4.087	-0.001	90	20602	1.00	1.00	
	12 n-Decane	43	4.144	4.144	0.000	93	31570	1.00	1.06	
	13 1,3-Dichlorobenzene	146	4.236	4.240	-0.004	94	25143	1.00	1.05	
*	14 1,4-Dichlorobenzene-d4	152	4.291	4.291	0.000	97	121779	8.00	8.00	
	15 1,4-Dichlorobenzene	146	4.307	4.307	0.000	75	25244	1.00	1.04	
	16 Benzyl alcohol	108	4.415	4.416	-0.001	90	13069	1.00	1.03	
	17 1,2-Dichlorobenzene	146	4.457	4.457	0.000	95	23893	1.00	1.04	
	18 2-Methylphenol	108	4.524	4.527	-0.003	86	18455	1.00	1.03	
	19 2,2'-oxybis[1-chloropropane]	45	4.553	4.553	0.000	55	40647	1.00	1.05	
	20 N-Methylaniline	106	4.664	4.668	-0.004	81	31891	1.00	1.02	
	21 Acetophenone	105	4.671	4.674	-0.003	79	29339	1.00	1.07	
	24 4-Methylphenol	108	4.674	4.678	-0.004	68	20860	1.00	1.04	
	23 3 & 4 Methylphenol	108	4.674	4.678	-0.004	81	20860	1.00	1.04	
	22 N-Nitrosodi-n-propylamine	70	4.677	4.678	-0.001	90	14089	1.00	1.05	
	25 Hexachloroethane	117	4.786	4.786	0.000	92	9965	1.00	1.09	
$	27 Nitrobenzene-d5	82	4.818	4.821	-0.003	93	19499	1.00	0.9606	
	28 Nitrobenzene	123	4.837	4.837	0.000	84	9209	1.00	1.07	
	29 n,n'-Dimethylaniline	120	4.846	4.847	-0.001	85	30339	1.00	0.9881	
	30 Isophorone	82	5.070	5.070	0.000	97	37315	1.00	1.03	
	32 2-Nitrophenol	139	5.150	5.150	0.000	81	7060	1.00	0.8604	
	33 2,4-Dimethylphenol	122	5.191	5.195	-0.004	88	17067	1.00	1.01	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.229	5.252	-0.023	30	2680	1.00	1.23	
34 Bis(2-chloroethoxy)methane	93	5.284	5.284	0.000	91	22525	1.00	1.03	
36 2,4-Dichlorophenol	162	5.379	5.380	-0.001	92	15948	1.00	0.9796	
37 1,2,4-Trichlorobenzene	180	5.466	5.466	0.000	92	19119	1.00	1.07	
* 38 Naphthalene-d8	136	5.517	5.517	0.000	99	447134	8.00	8.00	
39 Naphthalene	128	5.536	5.540	-0.004	76	58273	1.00	1.02	
40 4-Chloroaniline	127	5.587	5.588	-0.001	94	24704	1.00	1.04	
130 2,6-Dichlorophenol	162	5.600	5.600	0.000	91	16005	1.00	0.99	
41 Hexachlorobutadiene	225	5.673	5.671	0.002	89	10815	1.00	1.05	
42 Caprolactam	113	5.884	5.891	-0.007	79	3562	1.00	0.9095	
43 4-Chloro-3-methylphenol	107	6.059	6.060	-0.001	89	14351	1.00	0.9489	
44 2-Methylnaphthalene	142	6.203	6.204	-0.001	82	37897	1.00	1.02	
45 1-Methylnaphthalene	142	6.299	6.300	-0.001	88	35523	1.00	1.05	
46 Hexachlorocyclopentadiene	237	6.366	6.367	-0.001	66	11799	1.00	0.9393	
47 1,2,4,5-Tetrachlorobenzene	216	6.369	6.370	-0.001	94	18165	1.00	1.03	
48 2-tertbutyl-4-methylphenol	149	6.401	6.402	-0.001	80	21793	1.00	0.9810	
49 2,4,6-Trichlorophenol	196	6.474	6.475	-0.001	85	10561	1.00	0.9790	
50 2,4,5-Trichlorophenol	196	6.506	6.507	-0.001	90	11423	1.00	0.9569	
$ 51 2-Fluorobiphenyl	172	6.558	6.559	-0.001	96	41955	1.00	0.9847	
52 1,1'-Biphenyl	154	6.650	6.651	-0.001	96	44768	1.00	1.02	
53 2-Chloronaphthalene	162	6.666	6.667	-0.001	95	36125	1.00	1.02	
54 Phenyl ether	170	6.752	6.753	-0.001	84	24027	1.00	1.00	
55 2-Nitroaniline	65	6.759	6.763	-0.004	78	10738	1.00	0.9251	
57 1,3-Dimethylnaphthalene	156	6.877	6.878	-0.001	87	25961	1.00	0.9724	
59 Dimethyl phthalate	163	6.941	6.942	-0.001	97	38788	1.00	1.00	
60 Coumarin	146	6.953	6.955	-0.002	76	13210	1.00	1.00	
61 2,6-Dinitrotoluene	165	6.992	6.993	-0.001	84	6664	1.00	0.9332	
62 Acenaphthylene	152	7.059	7.060	-0.001	95	58184	1.00	1.04	
63 3-Nitroaniline	138	7.148	7.150	-0.002	86	7200	1.00	0.8604	
* 64 Acenaphthene-d10	164	7.196	7.197	-0.001	99	240151	8.00	8.00	
65 3,5-di-tert-butyl-4-hydroxytol	205	7.228	7.229	-0.001	59	27342	1.00	0.9849	
66 Acenaphthene	154	7.228	7.229	-0.001	88	33139	1.00	1.05	
67 2,4-Dinitrophenol	184	7.247	7.249	-0.002	90	3549	2.00	2.42	a
68 4-Nitrophenol	65	7.311	7.313	-0.002	87	9973	2.00	1.63	
69 2,4-Dinitrotoluene	165	7.372	7.373	-0.001	84	7959	1.00	0.9129	
70 Dibenzofuran	168	7.391	7.392	-0.001	88	48570	1.00	1.02	
72 2,3,4,6-Tetrachlorophenol	232	7.512	7.511	0.001	82	7837	1.00	0.9274	
73 Diethyl phthalate	149	7.614	7.616	-0.002	95	39468	1.00	1.01	
75 Fluorene	166	7.717	7.718	-0.001	80	37959	1.00	1.03	
74 4-Chlorophenyl phenyl ether	204	7.717	7.718	-0.001	71	18029	1.00	1.04	
76 4-Nitroaniline	138	7.726	7.728	-0.002	89	7080	1.00	0.8614	
77 4,6-Dinitro-2-methylphenol	198	7.758	7.763	-0.005	72	5169	2.00	2.08	a
78 N-Nitrosodiphenylamine	169	7.828	7.830	-0.002	29	26172	1.00	1.02	
79 1,2-Diphenylhydrazine	77	7.867	7.869	-0.002	97	38483	1.00	1.02	
$ 80 2,4,6-Tribromophenol	330	7.943	7.942	0.001	70	4890	1.00	0.8991	
81 4-Bromophenyl phenyl ether	248	8.180	8.182	-0.002	82	9412	1.00	1.01	
82 Hexachlorobenzene	284	8.243	8.245	-0.002	93	12587	1.00	1.07	
83 Atrazine	200	8.336	8.338	-0.002	75	8493	1.00	0.9366	
84 Pentachlorophenol	266	8.429	8.427	0.002	81	10493	2.00	1.68	
85 Pentachloronitrobenzene	237	8.445	8.447	-0.002	76	4312	1.00	0.9219	
86 n-Octadecane	57	8.521	8.523	-0.002	77	31553	1.00	0.9625	
* 87 Phenanthrene-d10	188	8.601	8.603	-0.002	99	394410	8.00	8.00	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
88 Phenanthrene	178	8.624	8.626	-0.002	86	53345	1.00	1.03	
89 Anthracene	178	8.671	8.670	0.001	95	53956	1.00	1.02	
90 Carbazole	167	8.822	8.824	-0.002	83	48489	1.00	1.02	
91 Di-n-butyl phthalate	149	9.169	9.169	0.001	98	59763	1.00	0.9579	
92 Fluoranthene	202	9.747	9.749	-0.002	96	51816	1.00	1.01	
93 Benzidine	184	9.875	9.877	-0.002	92	23074	1.00	0.8395	
94 Pyrene	202	9.961	9.963	-0.002	96	53290	1.00	1.01	
95 Bisphenol-A	213	10.015	10.015	0.000	67	10846	1.00	1.04	
$ 96 Terphenyl-d14	244	10.117	10.117	0.000	94	37332	1.00	0.9752	
97 Butyl benzyl phthalate	149	10.619	10.621	-0.002	94	19343	1.00	0.8449	
99 Carbamazepine	193	10.724	10.727	-0.003	92	13180	1.00	0.7783	a
100 3,3'-Dichlorobenzidine	252	11.212	11.215	-0.003	93	14338	1.00	0.8883	
101 Benzo[a]anthracene	228	11.235	11.238	-0.003	80	46804	1.00	1.01	
* 102 Chrysene-d12	240	11.247	11.250	-0.003	97	305372	8.00	8.00	
104 Chrysene	228	11.276	11.279	-0.003	95	45339	1.00	1.03	
103 Bis(2-ethylhexyl) phthalate	149	11.308	11.308	0.000	65	30984	1.00	0.9076	
105 Di-n-octyl phthalate	149	12.167	12.167	0.000	83	47821	1.00	0.8345	
106 Benzo[b]fluoranthene	252	12.652	12.656	-0.004	95	43470	1.00	1.03	
107 Benzo[k]fluoranthene	252	12.687	12.691	-0.004	97	45205	1.00	1.05	
108 Benzo[a]pyrene	252	13.109	13.112	-0.003	93	40993	1.00	1.00	
* 109 Perylene-d12	264	13.198	13.199	-0.001	96	296814	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	14.760	14.767	-0.007	96	34820	1.00	0.9597	
111 Dibenz(a,h)anthracene	278	14.805	14.805	0.000	91	38290	1.00	1.02	
112 Benzo[g,h,i]perylene	276	15.194	15.198	-0.004	83	38415	1.00	0.9435	
S 119 Total Cresols	1				0			2.07	

QC Flag Legend

Processing Flags
NC - Not Calibrated
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

SV_BNAL4_LVI_00004 Amount Added: 1.00 Units: mL

Report Date: 10-Mar-2022 14:09:03 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS17\20220310-142495.b\M234660.D

Injection Date: 10-Mar-2022 12:29:30 Instrument ID: CBNAMS17

Lims ID: STD1

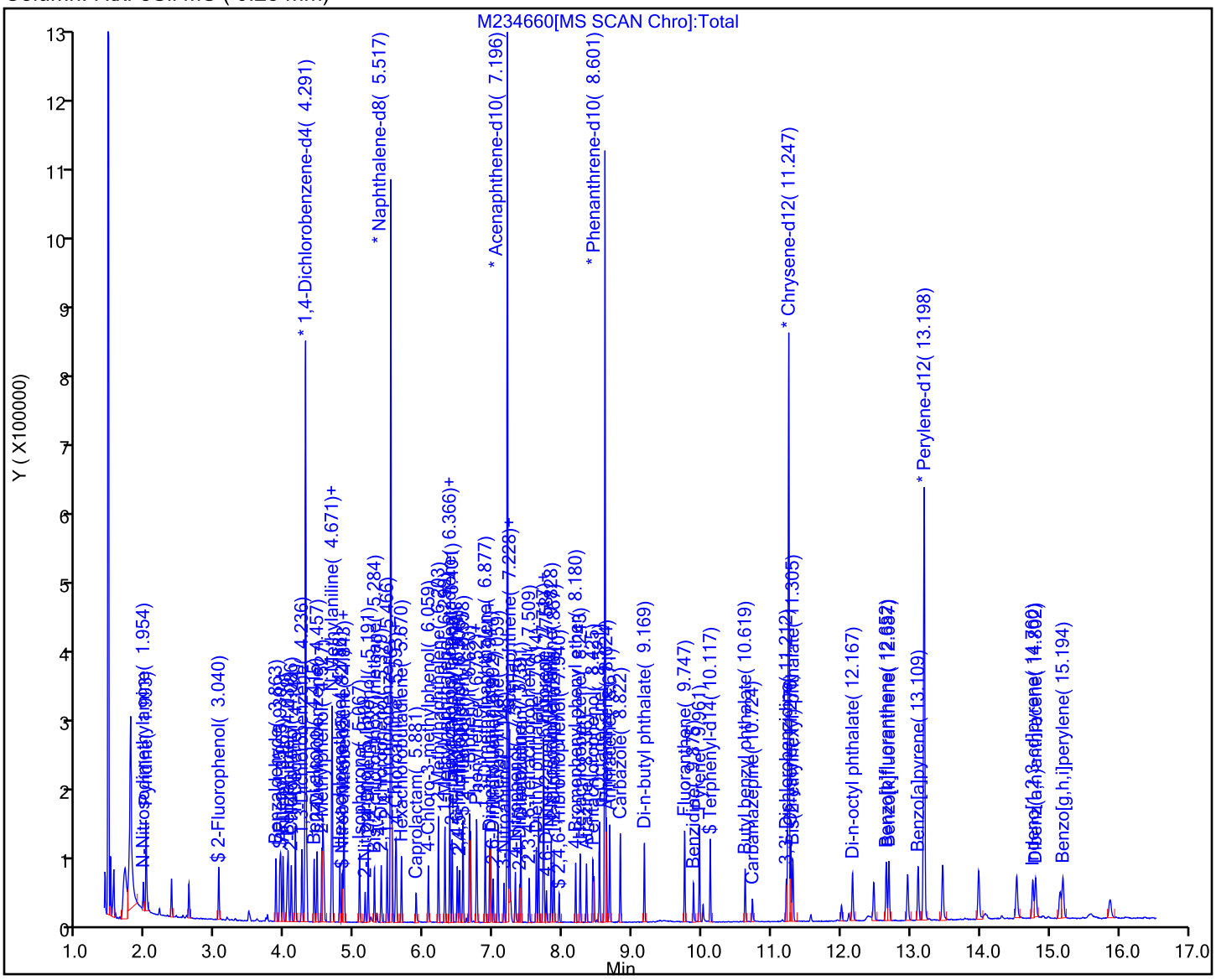
Client ID:

Operator ID: ALS Bottle#: 7 Worklist Smp#: 7

Injection Vol: 5.0 ul Dil. Factor: 1.0000

Method: 8270LVI_17 Limit Group: SV 8270E ICAL

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS17\20220310-142495.b\M234661.D
Lims ID: STD04
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 10-Mar-2022 12:50:30 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0142495-008
Operator ID: Instrument ID: CBNAMS17
Sublist: chrom-8270LVI_17*sub22

Method: \\chromfs\Edison\ChromData\CBNAMS17\20220310-142495.b\8270LVI_17.m
Limit Group: SV 8270E ICAL
Last Update: 10-Mar-2022 14:09:07 Calib Date: 10-Mar-2022 13:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS17\20220310-142495.b\M234663.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1660

First Level Reviewer: johnstonm1 Date: 10-Mar-2022 13:16:42

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	3.863	3.863	0.000	87	6746	0.4000	0.4113	
* 14 1,4-Dichlorobenzene-d4	152	4.291	4.291	0.000	97	115438	8.00	8.00	
* 38 Naphthalene-d8	136	5.516	5.517	-0.001	99	421839	8.00	8.00	
42 Caprolactam	113	5.880	5.891	-0.011	72	1247	0.4000	0.3375	
* 64 Acenaphthene-d10	164	7.195	7.197	-0.002	98	229935	8.00	8.00	
83 Atrazine	200	8.335	8.338	-0.003	57	3215	0.4000	0.3766	
* 87 Phenanthrene-d10	188	8.603	8.603	0.000	99	371317	8.00	8.00	
* 102 Chrysene-d12	240	11.246	11.250	-0.004	98	285858	8.00	8.00	
* 109 Perylene-d12	264	13.197	13.199	-0.002	96	281820	8.00	8.00	

QC Flag Legend
Processing Flags

Reagents:
SV_BNAL3_LVI_00004 Amount Added: 1.00 Units: mL

Report Date: 10-Mar-2022 14:09:08 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS17\20220310-142495.b\M234661.D

Injection Date: 10-Mar-2022 12:50:30 Instrument ID: CBNAMS17

Lims ID: STD04

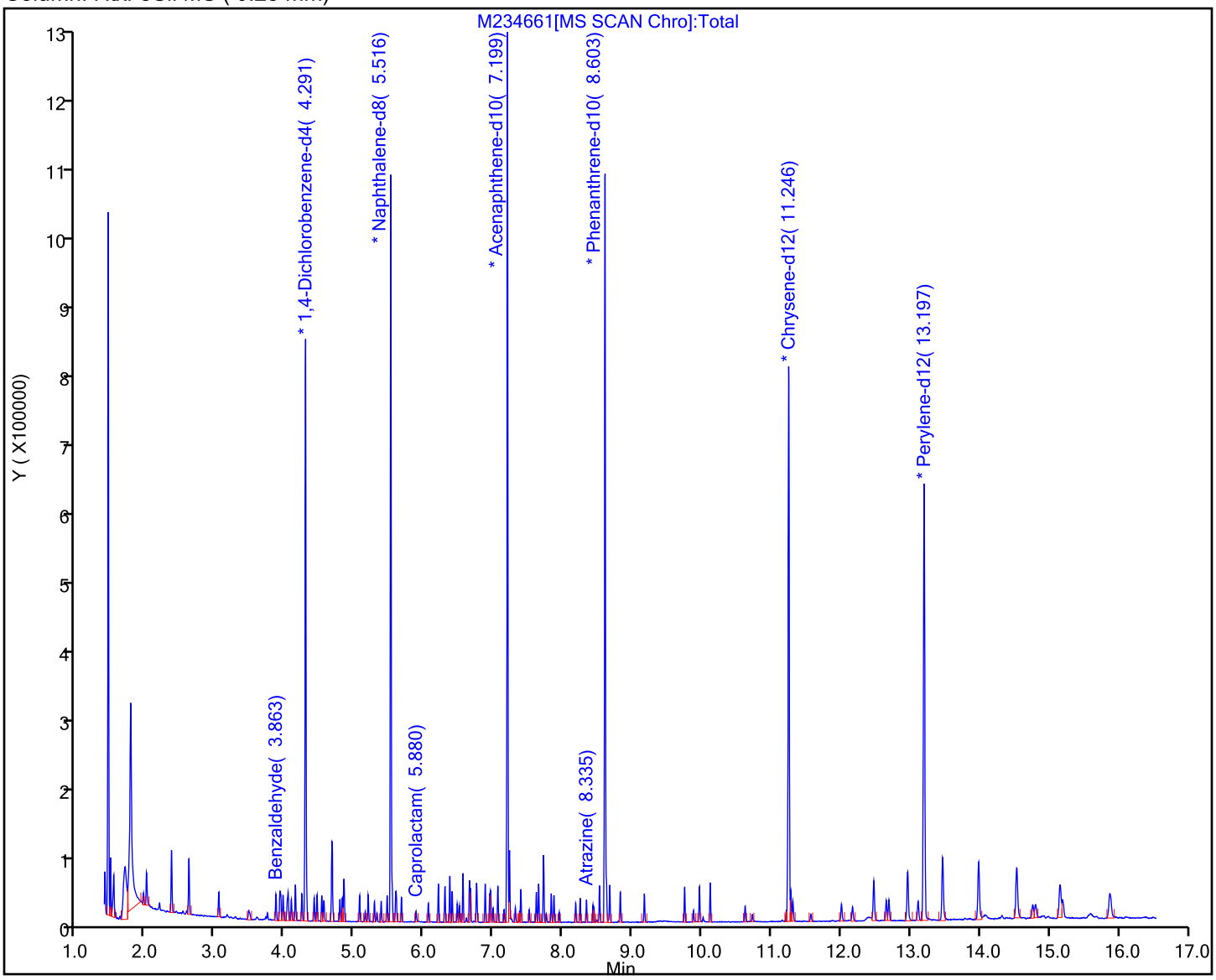
Client ID:

Operator ID: ALS Bottle#: 8 Worklist Smp#: 8

Injection Vol: 5.0 ul Dil. Factor: 1.0000

Method: 8270LVI_17 Limit Group: SV 8270E ICAL

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS17\20220310-142495.b\M234662.D
Lims ID: STD02
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 10-Mar-2022 13:11:30 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0142495-009
Operator ID: Instrument ID: CBNAMS17
Sublist: chrom-8270LVI_17*sub22

Method: \\chromfs\Edison\ChromData\CBNAMS17\20220310-142495.b\8270LVI_17.m
Limit Group: SV 8270E ICAL
Last Update: 10-Mar-2022 14:09:10 Calib Date: 10-Mar-2022 13:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS17\20220310-142495.b\M234663.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1660

First Level Reviewer: johnstonm1 Date: 10-Mar-2022 13:33:39

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
3 Pyridine	79	2.006	1.990	0.016	70	6741	0.4000	0.3753	
$ 4 2-Fluorophenol	112	3.040	3.043	-0.003	84	4451	0.2000	0.2185	
5 Benzaldehyde	77	3.863	3.863	0.000	84	3705	0.2000	0.2145	
$ 6 Phenol-d5	99	3.921	3.924	-0.003	90	5238	0.2000	0.2101	
9 Bis(2-chloroethyl)ether	93	4.026	4.026	0.000	65	3719	0.2000	0.2050	
* 14 1,4-Dichlorobenzene-d4	152	4.291	4.291	0.000	96	121558	8.00	8.00	
20 N-Methylaniline	106	4.664	4.668	-0.004	74	5986	0.2000	0.1927	
22 N-Nitrosodi-n-propylamine	70	4.677	4.678	-0.001	89	2599	0.2000	0.1934	
25 Hexachloroethane	117	4.786	4.786	0.000	82	1880	0.2000	0.2054	
$ 27 Nitrobenzene-d5	82	4.818	4.821	-0.003	69	4145	0.2000	0.2085	
28 Nitrobenzene	123	4.837	4.837	0.000	78	1498	0.2000	0.1748	
29 n,n'-Dimethylaniline	120	4.846	4.847	-0.001	82	6396	0.2000	0.2087	
30 Isophorone	82	5.070	5.070	0.000	83	6964	0.2000	0.1960	
37 1,2,4-Trichlorobenzene	180	5.465	5.466	-0.001	66	3491	0.2000	0.1990	
* 38 Naphthalene-d8	136	5.516	5.517	-0.001	99	437926	8.00	8.00	
39 Naphthalene	128	5.536	5.540	-0.004	47	11502	0.2000	0.2046	
40 4-Chloroaniline	127	5.587	5.588	-0.001	83	4473	0.2000	0.1922	
41 Hexachlorobutadiene	225	5.673	5.671	0.002	51	1813	0.2000	0.1789	
42 Caprolactam	113	5.880	5.891	-0.011	62	602	0.2000	0.1569	
44 2-Methylnaphthalene	142	6.203	6.204	-0.001	78	7680	0.2000	0.2109	
45 1-Methylnaphthalene	142	6.298	6.300	-0.002	62	6479	0.2000	0.1960	
48 2-tertbutyl-4-methylphenol	149	6.401	6.402	-0.001	66	4357	0.2000	0.2003	
49 2,4,6-Trichlorophenol	196	6.474	6.475	-0.001	53	1745	0.2000	0.1624	
$ 51 2-Fluorobiphenyl	172	6.557	6.559	-0.002	82	9113	0.2000	0.2147	
61 2,6-Dinitrotoluene	165	6.991	6.993	-0.002	31	1027	0.2000	0.1444	
* 64 Acenaphthene-d10	164	7.195	7.197	-0.002	98	239273	8.00	8.00	
69 2,4-Dinitrotoluene	165	7.374	7.373	0.001	91	1069	0.2000	0.2375	a
$ 80 2,4,6-Tribromophenol	330	7.942	7.942	0.000	1	929	0.2000	0.1714	
82 Hexachlorobenzene	284	8.245	8.245	0.000	55	2265	0.2000	0.1934	
83 Atrazine	200	8.335	8.338	-0.003	18	1595	0.2000	0.1770	
* 87 Phenanthrene-d10	188	8.600	8.603	-0.003	99	391965	8.00	8.00	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
94 Pyrene	202	9.962	9.963	-0.001	90	10316	0.2000	0.1986	
$ 96 Terphenyl-d14	244	10.116	10.117	-0.001	67	7715	0.2000	0.2042	
100 3,3'-Dichlorobenzidine	252	11.213	11.215	-0.002	13	2345	0.2000	0.1472	
101 Benzo[a]anthracene	228	11.236	11.238	-0.002	41	9229	0.2000	0.2022	
* 102 Chrysene-d12	240	11.249	11.250	-0.001	98	301304	8.00	8.00	
104 Chrysene	228	11.277	11.279	-0.002	75	8686	0.2000	0.2003	
103 Bis(2-ethylhexyl) phthalate	149	11.306	11.308	-0.002	86	4944	0.2000	0.1468	a
106 Benzo[b]fluoranthene	252	12.650	12.656	-0.006	80	8161	0.2000	0.1933	
107 Benzo[k]fluoranthene	252	12.688	12.691	-0.003	72	7863	0.2000	0.1824	
108 Benzo[a]pyrene	252	13.110	13.112	-0.002	84	7590	0.2000	0.1850	
* 109 Perylene-d12	264	13.196	13.199	-0.003	97	296841	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	14.761	14.767	-0.006	81	6531	0.2000	0.1800	
111 Dibenz(a,h)anthracene	278	14.802	14.805	-0.003	28	6481	0.2000	0.1729	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

SV_BNAL2_LVI_00003 Amount Added: 1.00 Units: mL

Report Date: 10-Mar-2022 14:09:12 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS17\20220310-142495.b\M234662.D

Injection Date: 10-Mar-2022 13:11:30 Instrument ID: CBNAMS17

Lims ID: STD02

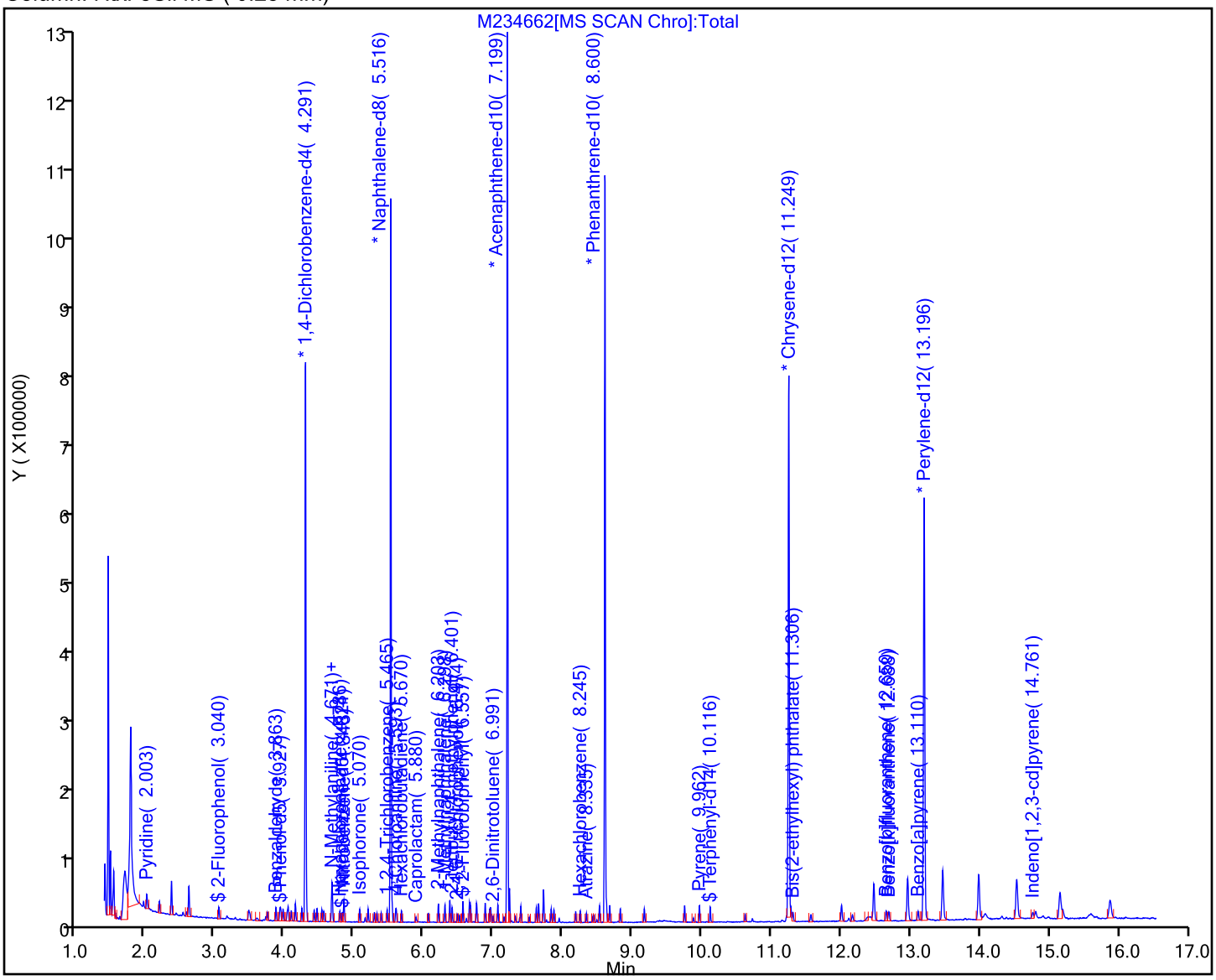
Client ID:

Operator ID: ALS Bottle#: 9 Worklist Smp#: 9

Injection Vol: 5.0 ul Dil. Factor: 1.0000

Method: 8270LVI_17 Limit Group: SV 8270E ICAL

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS17\20220310-142495.b\M234663.D
Lims ID: STD01
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 10-Mar-2022 13:32:30 ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0142495-010
Operator ID: Instrument ID: CBNAMS17
Sublist: chrom-8270LVI_17*sub22

Method: \\chromfs\Edison\ChromData\CBNAMS17\20220310-142495.b\8270LVI_17.m
Limit Group: SV 8270E ICAL
Last Update: 10-Mar-2022 14:09:14 Calib Date: 10-Mar-2022 13:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS17\20220310-142495.b\M234663.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1660

First Level Reviewer: johnstonm1 Date: 10-Mar-2022 13:51:52

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
3 Pyridine	79	2.015	1.990	0.025	71	3357	0.2000	0.1956	
$ 6 Phenol-d5	99	3.920	3.924	-0.004	73	2665	0.1000	0.1119	
9 Bis(2-chloroethyl)ether	93	4.026	4.026	0.000	61	1635	0.1000	0.0943	
* 14 1,4-Dichlorobenzene-d4	152	4.291	4.291	0.000	97	116129	8.00	8.00	
20 N-Methylaniline	106	4.667	4.668	-0.001	95	2928	0.1000	0.0987	a
22 N-Nitrosodi-n-propylamine	70	4.677	4.678	-0.001	93	1340	0.1000	0.1044	a
25 Hexachloroethane	117	4.785	4.786	-0.001	58	781	0.1000	0.0893	
$ 27 Nitrobenzene-d5	82	4.820	4.821	-0.001	59	2024	0.1000	0.1048	
28 Nitrobenzene	123	4.840	4.837	0.003	63	585	0.1000	0.0714	
29 n,n'-Dimethylaniline	120	4.846	4.847	-0.001	93	3115	0.1000	0.1064	a
37 1,2,4-Trichlorobenzene	180	5.465	5.466	-0.001	39	1678	0.1000	0.0984	
* 38 Naphthalene-d8	136	5.516	5.517	-0.001	99	425533	8.00	8.00	
39 Naphthalene	128	5.538	5.540	-0.002	20	5552	0.1000	0.1016	
40 4-Chloroaniline	127	5.586	5.588	-0.002	56	2190	0.1000	0.0969	
41 Hexachlorobutadiene	225	5.673	5.671	0.002	6	991	0.1000	0.1006	
$ 51 2-Fluorobiphenyl	172	6.556	6.559	-0.003	61	4483	0.1000	0.1087	
* 64 Acenaphthene-d10	164	7.198	7.197	0.001	99	232540	8.00	8.00	
82 Hexachlorobenzene	284	8.245	8.245	0.000	87	1015	0.1000	0.0902	a
* 87 Phenanthrene-d10	188	8.602	8.603	-0.001	99	376869	8.00	8.00	
$ 96 Terphenyl-d14	244	10.118	10.117	0.001	31	3814	0.1000	0.1062	
101 Benzo[a]anthracene	228	11.235	11.238	-0.003	5	4547	0.1000	0.1048	
* 102 Chrysene-d12	240	11.248	11.250	-0.002	98	286374	8.00	8.00	
106 Benzo[b]fluoranthene	252	12.652	12.656	-0.004	66	3922	0.1000	0.0964	
107 Benzo[k]fluoranthene	252	12.690	12.691	-0.001	57	3877	0.1000	0.0933	
108 Benzo[a]pyrene	252	13.109	13.112	-0.003	57	3625	0.1000	0.0917	
* 109 Perylene-d12	264	13.198	13.199	-0.001	96	286076	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	14.763	14.767	-0.004	43	2926	0.1000	0.0837	
111 Dibenz(a,h)anthracene	278	14.804	14.805	-0.001	18	2741	0.1000	0.0759	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

SV_BNAL1_LVI_00003 Amount Added: 1.00 Units: mL

Report Date: 10-Mar-2022 14:09:16 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS17\20220310-142495.b\M234663.D

Injection Date: 10-Mar-2022 13:32:30 Instrument ID: CBNAMS17

Lims ID: STD01

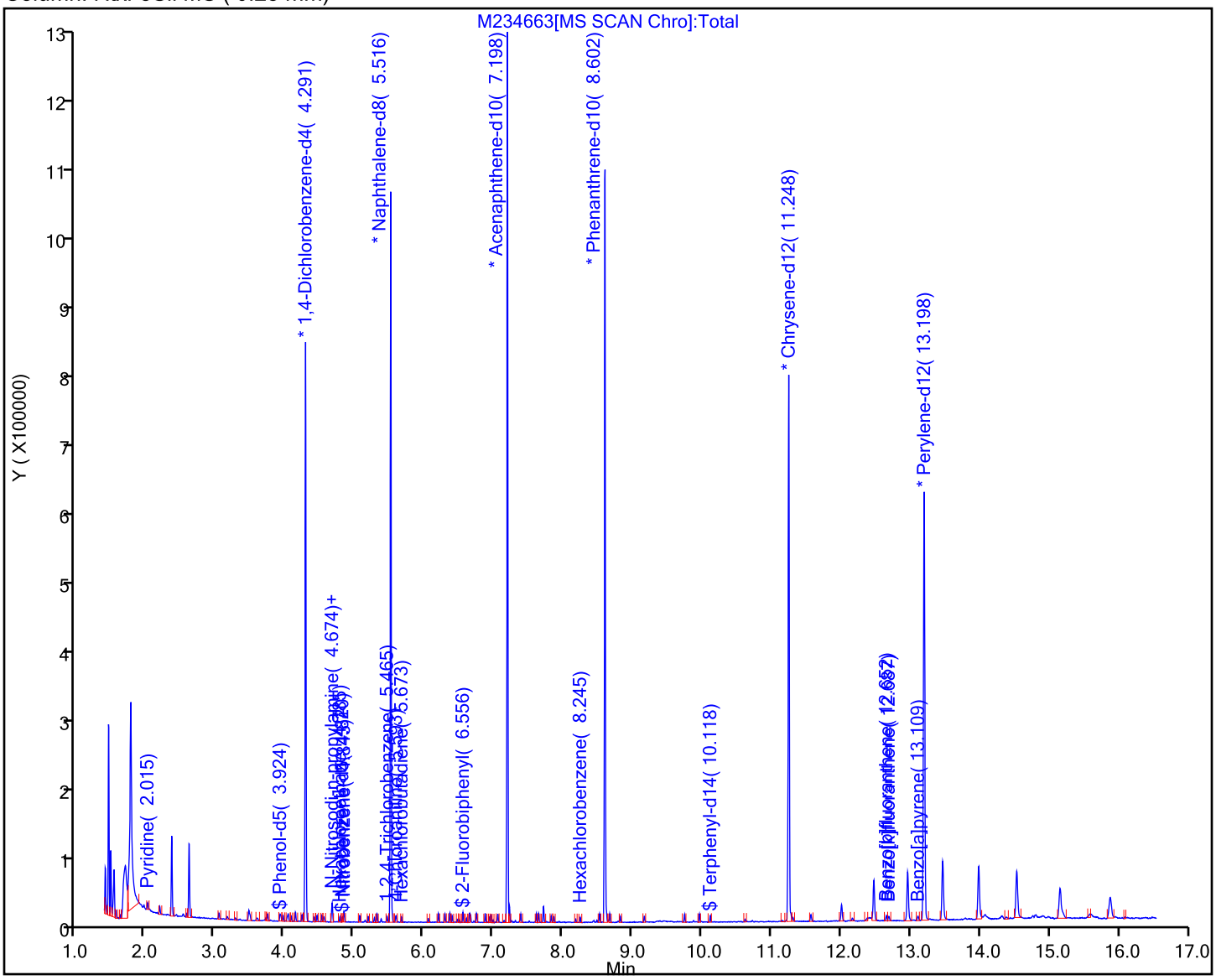
Client ID:

Operator ID: ALS Bottle#: 10 Worklist Smp#: 10

Injection Vol: 5.0 ul Dil. Factor: 1.0000

Method: 8270LVI_17 Limit Group: SV 8270E ICAL

Column: Rtxi-5Sil MS (0.25 mm)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison | Job No.: 460-260852-1

SDG No.:

Lab Sample ID: CCVIS 460-852775/2 | Calibration Date: 06/29/2022 18:46

Instrument ID: CBNAMS17 | Calib Start Date: 03/10/2022 10:44

GC Column: Rtxi-5Sil MS ID: 0.25(mm) | Calib End Date: 03/10/2022 13:32

Lab File ID: M237186.D | Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5413	0.4351		8040	10000	-19.6	20.0
N-Nitrosodimethylamine	Ave	0.7656	0.6315		8250	10000	-17.5	20.0
Pyridine	Ave	1.182	1.020		17300	20000	-13.7	20.0
Benzaldehyde	Ave	1.137	0.6774	0.0100	2380	4000	-40.4*	20.0
Aniline	Ave	1.943	1.735		8930	10000	-10.7	20.0
Phenol	Ave	1.640	1.528	0.8000	9320	10000	-6.8	20.0
Bis(2-chloroethyl)ether	Ave	1.194	1.152	0.7000	9650	10000	-3.5	20.0
2-Chlorophenol	Ave	1.350	1.362	0.8000	10100	10000	0.9	20.0
n-Decane	Ave	1.959	1.530		7810	10000	-21.9*	20.0
1,3-Dichlorobenzene	Ave	1.577	1.557		9880	10000	-1.2	20.0
1,4-Dichlorobenzene	Ave	1.595	1.588		9960	10000	-0.4	20.0
Benzyl alcohol	Ave	0.8366	0.7605		9090	10000	-9.1	20.0
1,2-Dichlorobenzene	Ave	1.516	1.519		10000	10000	0.2	20.0
2,2'-oxybis[1-chloropropane]	Ave	2.540	2.074	0.0100	8160	10000	-18.4	20.0
2-Methylphenol	Ave	1.177	1.130	0.7000	9600	10000	-4.0	20.0
N-Methylaniline	Ave	2.044	2.052		10000	10000	0.4	20.0
Acetophenone	Ave	1.806	1.831	0.0100	10100	10000	1.3	20.0
N-Nitrosodi-n-propylamine	Ave	0.8844	0.8773	0.5000	9920	10000	-0.8	20.0
3 & 4 Methylphenol	Ave	1.318	1.177		8930	10000	-10.7	20.0
4-Methylphenol	Ave	1.317	1.162	0.6000	8820	10000	-11.8	20.0
Hexachloroethane	Ave	0.6023	0.6329	0.3000	10500	10000	5.1	20.0
n,n'-Dimethylaniline	Ave	2.017	2.027		10000	10000	0.5	20.0
Nitrobenzene	Ave	0.5641	0.6505	0.2000	11500	10000	15.3	20.0
Isophorone	Ave	0.6492	0.6513	0.4000	10000	10000	0.3	20.0
2-Nitrophenol	Ave	0.1468	0.1934	0.1000	13200	10000	31.7*	20.0
2,4-Dimethylphenol	Ave	0.3023	0.2951	0.2000	9760	10000	-2.4	20.0
Bis(2-chloroethoxy)methane	Ave	0.3919	0.3748	0.3000	9560	10000	-4.4	20.0
Benzoic acid	Lin1		0.0892		6820	10000	-31.8*	20.0
2,4-Dichlorophenol	Ave	0.2913	0.3133	0.2000	10800	10000	7.6	20.0
1,2,4-Trichlorobenzene	Ave	0.3205	0.3333		10400	10000	4.0	20.0
Naphthalene	Ave	1.027	1.005	0.7000	9790	10000	-2.1	20.0
4-Chloroaniline	Ave	0.4251	0.4278	0.0100	10100	10000	0.6	20.0
Hexachlorobutadiene	Ave	0.1851	0.2160	0.0100	11700	10000	16.7	20.0
Caprolactam	Ave	0.0701	0.0807	0.0100	4610	4000	15.2	20.0
4-Chloro-3-methylphenol	Ave	0.2706	0.2962	0.2000	10900	10000	9.5	20.0
2-Methylnaphthalene	Ave	0.6652	0.6751	0.4000	10100	10000	1.5	20.0
1-Methylnaphthalene	Ave	0.6038	0.6277		10400	10000	4.0	20.0
Hexachlorocyclopentadiene	Ave	0.4185	0.4941	0.0500	11800	10000	18.1	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.5890	0.6116	0.0100	10400	10000	3.8	20.0
2-tertbutyl-4-methylphenol	Ave	0.3975	0.4329		10900	10000	8.9	20.0
2,4,6-Trichlorophenol	Ave	0.3594	0.3962	0.2000	11000	10000	10.2	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-260852-1

SDG No.:

Lab Sample ID: CCVIS 460-852775/2 Calibration Date: 06/29/2022 18:46

Instrument ID: CBNAMS17 Calib Start Date: 03/10/2022 10:44

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 03/10/2022 13:32

Lab File ID: M237186.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,4,5-Trichlorophenol	Ave	0.3977	0.4254	0.2000	10700	10000	7.0	20.0
1,1'-Biphenyl	Ave	1.459	1.376	0.0100	9430	10000	-5.7	20.0
2-Chloronaphthalene	Ave	1.180	1.147	0.8000	9710	10000	-2.9	20.0
Phenyl ether	Ave	0.7990	0.7984		9990	10000	-0.0	20.0
2-Nitroaniline	Ave	0.3867	0.3498	0.0100	9050	10000	-9.5	20.0
1,3-Dimethylnaphthalene	Ave	0.8893	0.8665		9740	10000	-2.6	20.0
Dimethyl phthalate	Ave	1.291	1.346	0.0100	10400	10000	4.3	20.0
Coumarin	Ave	0.2357	0.2552		10800	10000	8.2	20.0
2,6-Dinitrotoluene	Ave	0.2379	0.3005	0.2000	12600	10000	26.3*	20.0
Acenaphthylene	Ave	1.870	1.852	0.9000	9910	10000	-0.9	20.0
3-Nitroaniline	Ave	0.2788	0.3146	0.0100	11300	10000	12.9	20.0
Acenaphthene	Ave	1.049	0.9932	0.9000	9470	10000	-5.3	20.0
3,5-di-tert-butyl-4-hydroxytol	Ave	0.9248	0.999		10800	10000	8.0	20.0
2,4-Dinitrophenol	Lin1		0.1693	0.0100	28500	20000	42.4*	20.0
Dibenzofuran	Ave	1.586	1.569	0.8000	9890	10000	-1.1	20.0
2,4-Dinitrotoluene	Lin1		0.3961	0.2000	11800	10000	17.9	20.0
4-Nitrophenol	Ave	0.2032	0.1964	0.0100	19300	20000	-3.3	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.2815	0.3086	0.0100	11000	10000	9.6	20.0
Diethyl phthalate	Ave	1.303	1.405	0.0100	10800	10000	7.8	20.0
Fluorene	Ave	1.224	1.230	0.9000	10000	10000	0.4	20.0
4-Chlorophenyl phenyl ether	Ave	0.5784	0.6291	0.4000	10900	10000	8.8	20.0
4-Nitroaniline	Ave	0.2738	0.3139	0.0100	11500	10000	14.6	20.0
4,6-Dinitro-2-methylphenol	Lin2		0.1282	0.0100	28000	20000	40.0*	20.0
N-Nitrosodiphenylamine	Ave	0.5220	0.5079	0.0100	9730	10000	-2.7	20.0
1,2-Diphenylhydrazine	Ave	0.7621	0.6981		9160	10000	-8.4	20.0
4-Bromophenyl phenyl ether	Ave	0.1887	0.2069	0.1000	11000	10000	9.7	20.0
Hexachlorobenzene	Ave	0.2390	0.2632	0.1000	11000	10000	10.1	20.0
Atrazine	Ave	0.1839	0.1960	0.0100	4260	4000	6.5	20.0
Pentachloronitrobenzene	Ave	0.0949	0.1187	0.0100	12500	10000	25.1*	20.0
Pentachlorophenol	Ave	0.1264	0.1090	0.0500	17300	20000	-13.7	20.0
n-Octadecane	Ave	0.6649	0.5473		8230	10000	-17.7	20.0
Phenanthrene	Ave	1.055	1.037	0.7000	9830	10000	-1.7	20.0
Anthracene	Ave	1.071	1.068	0.7000	9970	10000	-0.3	20.0
Carbazole	Ave	0.9646	0.9574	0.0100	9930	10000	-0.7	20.0
Di-n-butyl phthalate	Ave	1.265	1.312	0.0100	10400	10000	3.7	20.0
Fluoranthene	Ave	1.039	1.081	0.6000	10400	10000	4.1	20.0
Benzidine	Ave	0.5575	0.5649		10100	10000	1.3	20.0
Pyrene	Ave	1.379	1.349	0.6000	9780	10000	-2.2	20.0
Bisphenol-A	Lin2		0.5867		13000	10000	30.1*	20.0
Butyl benzyl phthalate	Ave	0.5997	0.6549	0.0100	10900	10000	9.2	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-260852-1

SDG No.:

Lab Sample ID: CCVIS 460-852775/2 Calibration Date: 06/29/2022 18:46

Instrument ID: CBNAMS17 Calib Start Date: 03/10/2022 10:44

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 03/10/2022 13:32

Lab File ID: M237186.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,3,7,8-TCDD	Ave	0.1356	0.1642		121	100	21.1*	20.0
Carbamazepine	Ave	0.4436	0.5640		12700	10000	27.1*	20.0
3,3'-Dichlorobenzidine	Ave	0.4229	0.4772	0.0100	11300	10000	12.8	20.0
Benzo[a]anthracene	Ave	1.212	1.213	0.8000	10000	10000	0.0	20.0
Chrysene	Ave	1.151	1.173	0.7000	10200	10000	1.9	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.8943	0.9438	0.0100	10600	10000	5.5	20.0
Di-n-octyl phthalate	Ave	1.545	1.575	0.0100	10200	10000	2.0	20.0
Benzo[b]fluoranthene	Ave	1.138	1.131		9940	10000	-0.6	20.0
Benzo[k]fluoranthene	Ave	1.162	1.167	0.7000	10000	10000	0.5	20.0
Benzo[a]pyrene	Ave	1.105	1.181	0.7000	10700	10000	6.8	20.0
Indeno[1,2,3-cd]pyrene	Ave	0.9779	1.196	0.5000	12200	10000	22.3*	20.0
Dibenz(a,h)anthracene	Ave	1.010	1.248	0.4000	12400	10000	23.6*	20.0
Benzo[g,h,i]perylene	Ave	1.097	1.282	0.5000	11700	10000	16.8	20.0
2-Fluorophenol (Surr)	Ave	1.340	1.160		8650	10000	-13.5	20.0
Phenol-d5 (Surr)	Ave	1.641	1.453		8850	10000	-11.5	20.0
Nitrobenzene-d5 (Surr)	Ave	0.3632	0.3775		10400	10000	4.0	20.0
2-Fluorobiphenyl	Ave	1.419	1.336		9410	10000	-5.9	20.0
2,4,6-Tribromophenol (Surr)	Ave	0.1812	0.2388		13200	10000	31.8*	20.0
Terphenyl-d14 (Surr)	Ave	1.003	0.9826		9800	10000	-2.0	20.0

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS17\20220629-147245.b\M237186.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 29-Jun-2022 18:46:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0147245-002
Operator ID: Instrument ID: CBNAMS17
Sublist: chrom-8270LVI_17*sub22

Method: \\chromfs\Edison\ChromData\CBNAMS17\20220629-147245.b\8270LVI_17.m
Limit Group: SV 8270E ICAL
Last Update: 30-Jun-2022 17:55:11 Calib Date: 10-Mar-2022 13:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS17\20220310-142495.b\M234663.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1647

First Level Reviewer: khlungprakhons Date: 30-Jun-2022 17:55:11

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.521	1.521	0.000	95	44232	10.0	8.04	
	2 N-Nitrosodimethylamine	74	1.719	1.719	0.000	77	64208	10.0	8.25	
	3 Pyridine	79	1.745	1.745	0.000	76	207373	20.0	17.3	
$	4 2-Fluorophenol	112	2.814	2.814	0.000	92	117930	10.0	8.65	
	5 Benzaldehyde	77	3.589	3.589	0.000	91	27549	4.00	2.38	
	8 Aniline	93	3.698	3.698	0.000	99	176397	10.0	8.93	
$	6 Phenol-d5	99	3.720	3.720	0.000	0	147699	10.0	8.85	
	7 Phenol	94	3.733	3.733	0.000	97	155384	10.0	9.32	
	9 Bis(2-chloroethyl)ether	93	3.752	3.752	0.000	91	117126	10.0	9.65	
	10 Benzonitrile	103	3.768	3.768	0.000	99	243929	NC	NC	
	11 2-Chlorophenol	128	3.832	3.832	0.000	95	138428	10.0	10.1	
	12 n-Decane	43	3.861	3.861	0.000	91	155525	10.0	7.81	
	13 1,3-Dichlorobenzene	146	3.953	3.953	0.000	95	158313	10.0	9.88	
*	14 1,4-Dichlorobenzene-d4	152	4.008	4.008	0.000	97	81335	8.00	8.00	
	15 1,4-Dichlorobenzene	146	4.024	4.024	0.000	95	161443	10.0	9.96	
	16 Benzyl alcohol	108	4.164	4.164	0.000	92	77324	10.0	9.09	
	17 1,2-Dichlorobenzene	146	4.177	4.177	0.000	97	154409	10.0	10.0	
	19 2,2'-oxybis[1-chloropropane]	45	4.282	4.282	0.000	93	210843	10.0	8.16	
	18 2-Methylphenol	108	4.308	4.308	0.000	87	114857	10.0	9.60	
	20 N-Methylaniline	106	4.401	4.401	0.000	94	208599	10.0	10.0	
	21 Acetophenone	105	4.407	4.407	0.000	92	186115	10.0	10.1	
	22 N-Nitrosodi-n-propylamine	70	4.413	4.413	0.000	94	89196	10.0	9.92	
	23 3 & 4 Methylphenol	108	4.464	4.464	0.000	0	119638	10.0	8.93	
	24 4-Methylphenol	108	4.464	4.464	0.000	95	118105	10.0	8.82	
	25 Hexachloroethane	117	4.500	4.500	0.000	93	64350	10.0	10.5	
$	27 Nitrobenzene-d5	82	4.554	4.554	0.000	92	143994	10.0	10.4	
	28 Nitrobenzene	123	4.573	4.573	0.000	88	66137	10.0	11.5	
	29 n,n'-Dimethylaniline	120	4.573	4.573	0.000	92	206078	10.0	10.0	
	30 Isophorone	82	4.803	4.803	0.000	98	248401	10.0	10.0	
	32 2-Nitrophenol	139	4.883	4.883	0.000	88	73758	10.0	13.2	
	33 2,4-Dimethylphenol	122	4.963	4.963	0.000	89	112545	10.0	9.76	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
34 Bis(2-chloroethoxy)methane	93	5.023	5.023	0.000	93	142937	10.0	9.56	
35 Benzoic acid	122	5.087	5.087	0.000	91	34004	10.0	6.82	
36 2,4-Dichlorophenol	162	5.151	5.151	0.000	94	119502	10.0	10.8	
37 1,2,4-Trichlorobenzene	180	5.196	5.196	0.000	95	127137	10.0	10.4	
* 38 Naphthalene-d8	136	5.244	5.244	0.000	99	305114	8.00	8.00	
39 Naphthalene	128	5.266	5.266	0.000	98	383445	10.0	9.79	
40 4-Chloroaniline	127	5.336	5.336	0.000	97	163170	10.0	10.1	
130 2,6-Dichlorophenol	162	5.346	5.346	0.000	97	118860	10.0	10.8	
41 Hexachlorobutadiene	225	5.397	5.397	0.000	95	82364	10.0	11.7	
42 Caprolactam	113	5.659	5.659	0.000	85	12315	4.00	4.61	
43 4-Chloro-3-methylphenol	107	5.854	5.854	0.000	98	112973	10.0	10.9	
44 2-Methylnaphthalene	142	5.933	5.933	0.000	83	257481	10.0	10.1	
45 1-Methylnaphthalene	142	6.026	6.026	0.000	92	239402	10.0	10.4	
46 Hexachlorocyclopentadiene	237	6.093	6.093	0.000	96	108933	10.0	11.8	
47 1,2,4,5-Tetrachlorobenzene	216	6.100	6.100	0.000	97	134835	10.0	10.4	
48 2-tertbutyl-4-methylphenol	149	6.164	6.164	0.000	88	165112	10.0	10.9	
49 2,4,6-Trichlorophenol	196	6.231	6.231	0.000	89	87348	10.0	11.0	
$ 51 2-Fluorobiphenyl	172	6.291	6.291	0.000	96	294581	10.0	9.41	
50 2,4,5-Trichlorophenol	196	6.291	6.291	0.000	94	93793	10.0	10.7	
52 1,1'-Biphenyl	154	6.384	6.384	0.000	97	303397	10.0	9.43	
53 2-Chloronaphthalene	162	6.397	6.397	0.000	99	252777	10.0	9.71	
54 Phenyl ether	170	6.486	6.486	0.000	87	176034	10.0	10.0	
55 2-Nitroaniline	65	6.515	6.515	0.000	98	77132	10.0	9.05	
57 1,3-Dimethylnaphthalene	156	6.608	6.608	0.000	89	191045	10.0	9.74	
59 Dimethyl phthalate	163	6.688	6.688	0.000	99	296838	10.0	10.4	
60 Coumarin	146	6.700	6.700	0.000	79	97324	10.0	10.8	
61 2,6-Dinitrotoluene	165	6.742	6.742	0.000	94	66263	10.0	12.6	
62 Acenaphthylene	152	6.790	6.790	0.000	97	408303	10.0	9.91	
63 3-Nitroaniline	138	6.908	6.908	0.000	94	69368	10.0	11.3	
* 64 Acenaphthene-d10	164	6.924	6.924	0.000	98	176379	8.00	8.00	
66 Acenaphthene	154	6.956	6.956	0.000	97	218985	10.0	9.47	
65 3,5-di-tert-butyl-4-hydroxytol	205	6.962	6.962	0.000	98	220176	10.0	10.8	
67 2,4-Dinitrophenol	184	7.004	7.004	0.000	92	74636	20.0	28.5	
70 Dibenzofuran	168	7.122	7.122	0.000	95	345883	10.0	9.89	
69 2,4-Dinitrotoluene	165	7.126	7.126	0.000	91	87324	10.0	11.8	
68 4-Nitrophenol	65	7.154	7.154	0.000	91	86612	20.0	19.3	
72 2,3,4,6-Tetrachlorophenol	232	7.263	7.263	0.000	93	68040	10.0	11.0	
73 Diethyl phthalate	149	7.362	7.362	0.000	97	309774	10.0	10.8	
75 Fluorene	166	7.445	7.445	0.000	93	271116	10.0	10.0	
74 4-Chlorophenyl phenyl ether	204	7.452	7.452	0.000	89	138701	10.0	10.9	
76 4-Nitroaniline	138	7.493	7.493	0.000	90	69197	10.0	11.5	
77 4,6-Dinitro-2-methylphenol	198	7.512	7.512	0.000	84	97080	20.0	28.0	
78 N-Nitrosodiphenylamine	169	7.570	7.570	0.000	70	192273	10.0	9.73	
79 1,2-Diphenylhydrazine	77	7.602	7.602	0.000	50	264309	10.0	9.16	
$ 80 2,4,6-Tribromophenol	330	7.682	7.682	0.000	94	52657	10.0	13.2	
81 4-Bromophenyl phenyl ether	248	7.912	7.912	0.000	89	78328	10.0	11.0	
82 Hexachlorobenzene	284	7.973	7.973	0.000	98	99645	10.0	11.0	
83 Atrazine	200	8.084	8.084	0.000	90	29676	4.00	4.26	
85 Pentachloronitrobenzene	237	8.174	8.174	0.000	67	44943	10.0	12.5	
84 Pentachlorophenol	266	8.174	8.174	0.000	87	82539	20.0	17.3	
86 n-Octadecane	57	8.257	8.257	0.000	90	207204	10.0	8.23	
* 87 Phenanthrene-d10	188	8.327	8.327	0.000	98	302881	8.00	8.00	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
88 Phenanthrene	178	8.350	8.350	0.000	98	392711	10.0	9.83	
89 Anthracene	178	8.398	8.398	0.000	98	404410	10.0	9.97	
90 Carbazole	167	8.564	8.564	0.000	96	362467	10.0	9.93	
91 Di-n-butyl phthalate	149	8.905	8.905	0.000	99	496609	10.0	10.4	
92 Fluoranthene	202	9.471	9.471	0.000	98	409419	10.0	10.4	
93 Benzidine	184	9.614	9.614	0.000	99	213875	10.0	10.1	
94 Pyrene	202	9.682	9.682	0.000	97	426367	10.0	9.78	
95 Bisphenol-A	213	9.768	9.768	0.000	97	185398	10.0	13.0	a
$ 96 Terphenyl-d14	244	9.842	9.842	0.000	98	310491	10.0	9.80	
97 Butyl benzyl phthalate	149	10.324	10.324	0.000	95	206931	10.0	10.9	
98 2,3,7,8-TCDD	320	10.414	10.414	0.000	1	519	0.1000	0.1211	
99 Carbamazepine	193	10.426	10.426	0.000	92	178230	10.0	12.7	
100 3,3'-Dichlorobenzidine	252	10.883	10.883	0.000	99	150783	10.0	11.3	
101 Benzo[a]anthracene	228	10.893	10.893	0.000	99	383239	10.0	10.0	
* 102 Chrysene-d12	240	10.903	10.903	0.000	99	252791	8.00	8.00	
104 Chrysene	228	10.931	10.931	0.000	98	370679	10.0	10.2	
103 Bis(2-ethylhexyl) phthalate	149	10.963	10.963	0.000	86	298223	10.0	10.6	
105 Di-n-octyl phthalate	149	11.772	11.772	0.000	96	528034	10.0	10.2	
106 Benzo[b]fluoranthene	252	12.229	12.229	0.000	98	379224	10.0	9.94	
107 Benzo[k]fluoranthene	252	12.264	12.264	0.000	99	391432	10.0	10.0	
108 Benzo[a]pyrene	252	12.664	12.664	0.000	96	396060	10.0	10.7	
* 109 Perylene-d12	264	12.741	12.741	0.000	98	268263	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	14.222	14.222	0.000	99	401130	10.0	12.2	
111 Dibenz(a,h)anthracene	278	14.258	14.258	0.000	97	418655	10.0	12.4	
112 Benzo[g,h,i]perylene	276	14.607	14.607	0.000	98	429896	10.0	11.7	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

a - User Assigned ID

Reagents:

SV_BNAL7_LVI_00006 Amount Added: 1.00 Units: mL

Report Date: 30-Jun-2022 17:55:13 Chrom Revision: 2.3 20-Jun-2022 20:10:40

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS17\20220629-147245.b\M237186.D

Injection Date: 29-Jun-2022 18:46:30 Instrument ID: CBNAMS17

Lims ID: CCVIS

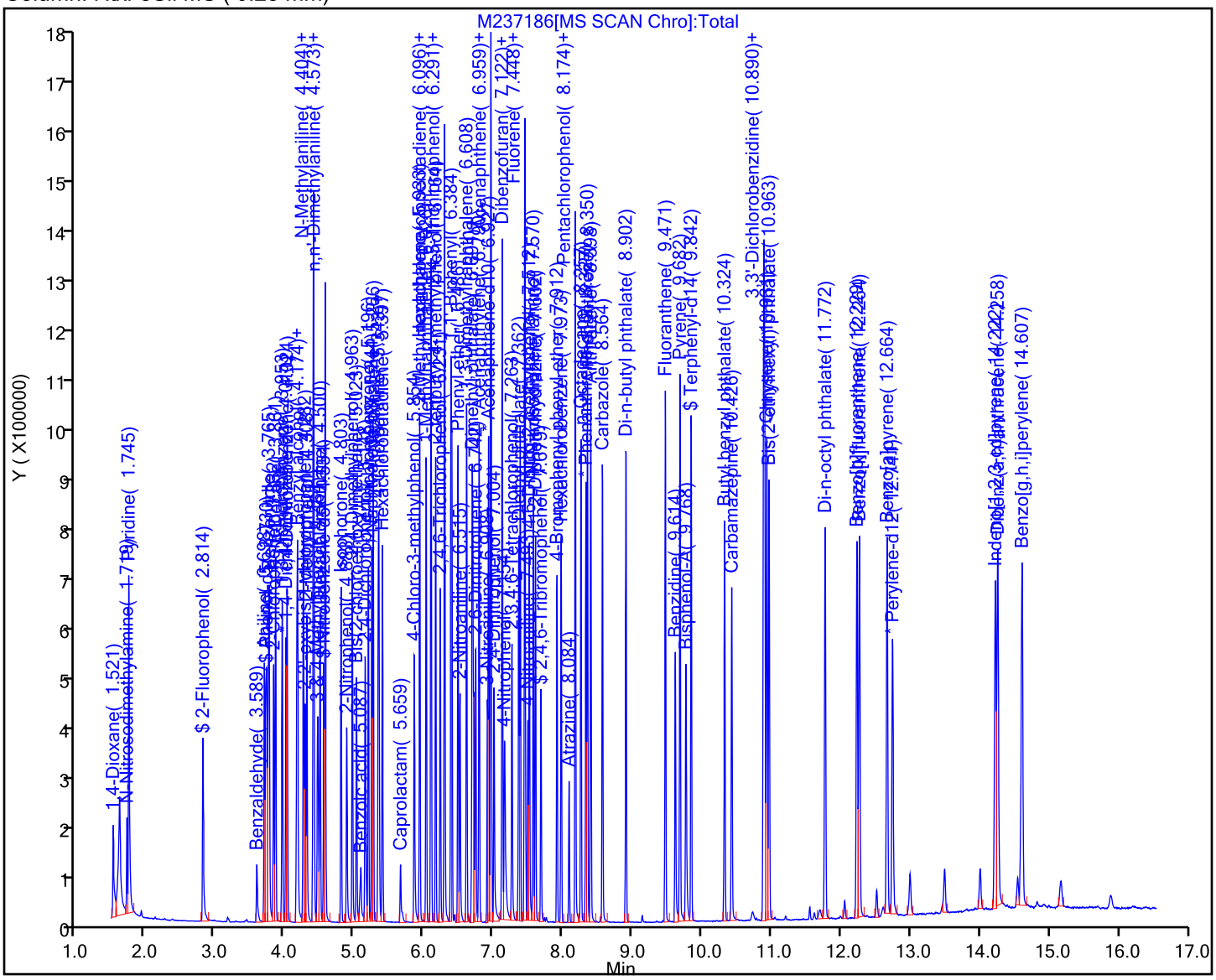
Client ID:

Operator ID: ALS Bottle#: 2 Worklist Smp#: 2

Injection Vol: 5.0 ul Dil. Factor: 1.0000

Method: 8270LVI_17 Limit Group: SV 8270E ICAL

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS17\20220310-142495.b\M234654.D
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 10-Mar-2022 10:28:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0142495-001
Operator ID: Instrument ID: CBNAMS17

Method: \\chromfs\Edison\ChromData\CBNAMS17\20220310-142495.b\8270LVI_17.m
Limit Group: SV 8270E ICAL
Last Update: 10-Mar-2022 14:18:36 Calib Date: 10-Mar-2022 13:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS17\20220310-142495.b\M234663.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1660

First Level Reviewer: johnstonm1 Date: 10-Mar-2022 14:18:36

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
31 Pentachlorophenol_T	266	4.418	4.418	0.000	91	62471	NR	NR	
56 Benzidine_T	184	5.664	5.664	0.000	99	478314	NR	NR	
124 DFTPP									
125 4,4'-DDE	246	5.820	5.820	0.000	1	152		NR	
126 4,4'-DDD	235	6.114	6.114	0.000	1	628		NR	
127 4,4'-DDT	235	6.318	6.318	0.000	97	167613	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

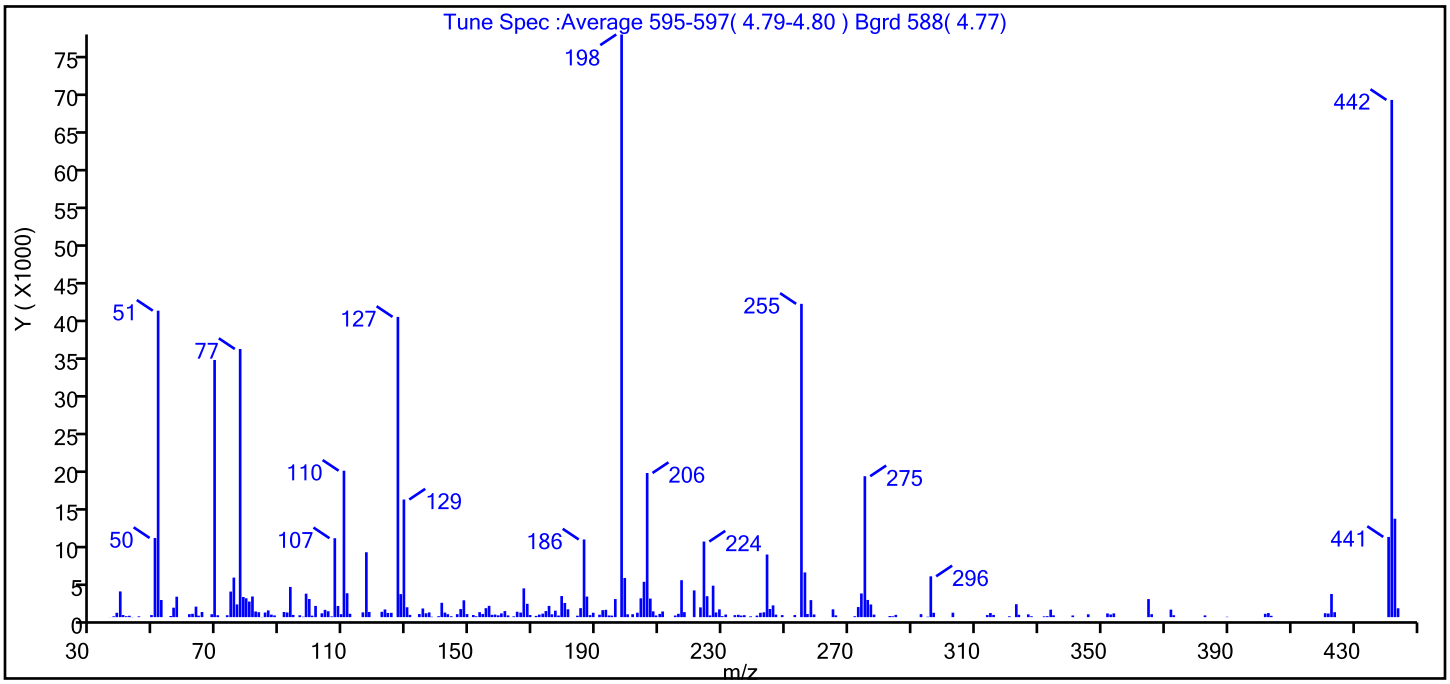
SMDFTP_CH_00034 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS17\20220310-142495.b\M234654.D
Injection Date: 10-Mar-2022 10:28:30 Instrument ID: CBNAMS17
Lims ID: DFTPP
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_17 Limit Group: SV 8270E ICAL
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	0.5 (1.1)
69	Present	44.1
70	<2% of m/z 69	0.3 (0.7)
197	<2% of m/z 198	0.0
199	5-9% of m/z 198	6.7
365	>1% of m/z 198	3.1
441	<150% of m/z 443	13.8 (81.5)
442	Present	88.8
443	15-24% of m/z 442	16.9 (19.0)

Data File: \\chromfs\Edison\ChromData\CBNAMS17\20220310-142495.b\M234654.D\8270LVI_17.rslt\spectra.d
Injection Date: 10-Mar-2022 10:28:30
Spectrum: Tune Spec :Average 595-597(4.79-4.80) Bgrd 588(4.77)
Base Peak: 197.90
Minimum % Base Peak: 0
Number of Points: 224

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	12	109.00	390	179.00	2792	255.00	41472
37.00	109	110.00	19384	180.00	1871	256.00	5914
38.00	580	111.00	3165	181.00	1038	257.00	419
39.00	3403	112.00	443	184.00	193	258.00	2255
40.00	279	116.00	633	185.00	1192	259.00	353
41.00	122	117.00	8591	186.00	10282	265.00	1036
42.00	183	118.00	690	187.00	2723	266.00	238
43.00	22	122.00	707	188.00	266	272.00	122
45.00	105	123.00	1017	189.00	580	273.00	1336
49.00	273	124.00	553	191.00	326	274.00	3135
50.00	10479	125.00	570	192.00	923	275.00	18656
51.00	40568	127.00	39744	193.00	969	276.00	2279
52.00	2270	128.00	3045	194.00	225	277.00	1673
55.00	153	129.00	15569	195.00	203	278.00	333
56.00	1250	130.00	1308	196.00	2392	283.00	145
57.00	2707	131.00	297	198.00	77128	284.00	114
61.00	396	134.00	413	199.00	5181	285.00	300
62.00	445	135.00	1147	200.00	378	293.00	396
63.00	1389	136.00	510	201.00	392	295.00	54
64.00	197	137.00	623	203.00	588	296.00	5404
65.00	678	138.00	55	204.00	2491	297.00	579
68.00	386	140.00	127	205.00	4678	303.00	590
69.00	34040	141.00	1898	206.00	19080	314.00	274
70.00	251	142.00	603	207.00	2458	315.00	545
73.00	253	143.00	390	208.00	767	316.00	295
74.00	3382	144.00	121	209.00	221	321.00	112
75.00	5235	146.00	393	210.00	428	323.00	1713
76.00	1683	147.00	1072	211.00	752	324.00	310
77.00	35496	148.00	2229	215.00	215	327.00	367
78.00	2663	149.00	405	216.00	442	328.00	115
79.00	2497	151.00	280	217.00	4891	332.00	102
80.00	2060	152.00	113	218.00	664	333.00	128
81.00	2740	153.00	660	221.00	3539	334.00	993

Report Date: 10-Mar-2022 14:18:37 Chrom Revision: 2.3 16-Feb-2022 17:52:00
Data File: \\chromfs\Edison\ChromData\CBNAMS17\20220310-142495.b\M234654.D\8270LVI_17.rslt\spectra.d
Injection Date: 10-Mar-2022 10:28:30
Spectrum: Tune Spec :Average 595-597(4.79-4.80) Bgrd 588(4.77)
Base Peak: 197.90
Minimum % Base Peak: 0
Number of Points: 224

m/z	Y	m/z	Y	m/z	Y	m/z	Y
82.00	748	154.00	418	223.00	1291	335.00	242
83.00	649	155.00	1188	224.00	10008	341.00	221
84.00	24	156.00	1492	225.00	2773	346.00	377
85.00	613	157.00	305	226.00	228	352.00	494
86.00	895	158.00	342	227.00	4166	353.00	352
87.00	330	159.00	239	228.00	622	354.00	497
88.00	228	160.00	498	229.00	1033	365.00	2392
91.00	678	161.00	804	230.00	134	366.00	390
92.00	616	162.00	231	231.00	346	372.00	998
93.00	3998	164.00	105	234.00	265	373.00	255
94.00	294	165.00	713	235.00	311	383.00	230
96.00	250	166.00	600	236.00	210	390.00	50
97.00	55	167.00	3807	237.00	262	402.00	441
98.00	3106	168.00	1765	239.00	108	403.00	542
99.00	2400	169.00	282	241.00	206	404.00	176
100.00	197	171.00	165	242.00	573	421.00	516
101.00	1484	172.00	337	243.00	646	422.00	480
103.00	508	173.00	459	244.00	8290	423.00	3066
104.00	966	174.00	805	245.00	1077	424.00	655
105.00	782	175.00	1486	246.00	1555	441.00	10618
106.00	95	176.00	374	247.00	336	442.00	68464
107.00	10447	177.00	855	249.00	270	443.00	13026
108.00	1480	178.00	215	253.00	278	444.00	1177

Breakdown Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS17\20220310-142495.b\M234654.D
Injection Date: 10-Mar-2022 10:28:30 Instrument ID: CBNAMS17
Lims ID: DFTPP
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_17 Limit Group: SV 8270E ICAL

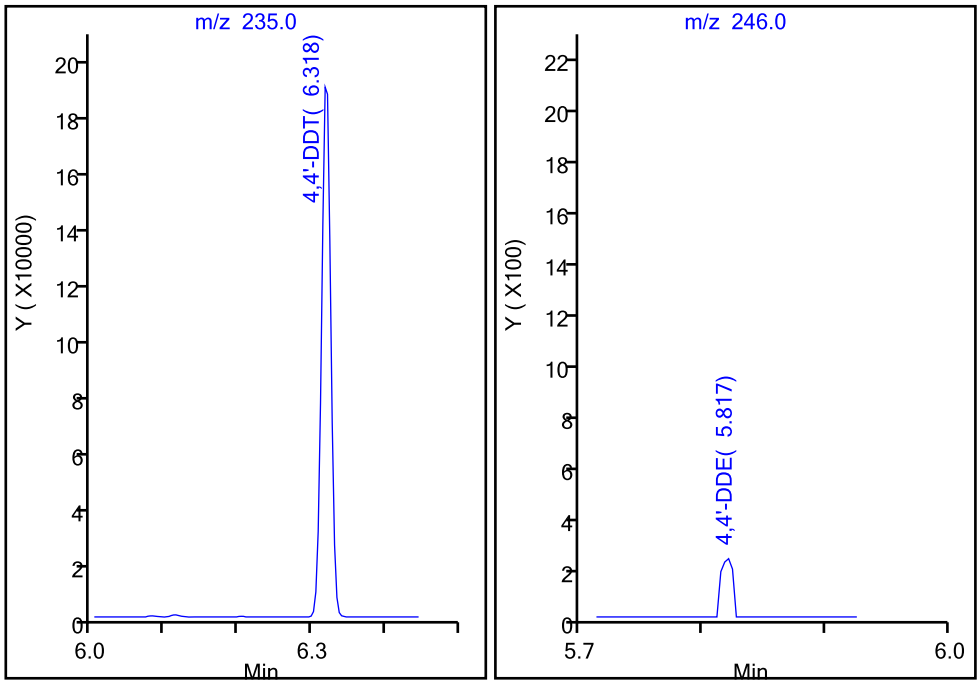
127 4,4'-DDT, Detector: MS SCAN

SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

127 4,4'-DDT, Area = 167613
126 4,4'-DDD, Area = 628
125 4,4'-DDE, Area = 152

%Breakdown: 0.46%, <= 20.00%
Passed



Peak Tailing Report

Eurofins Edison

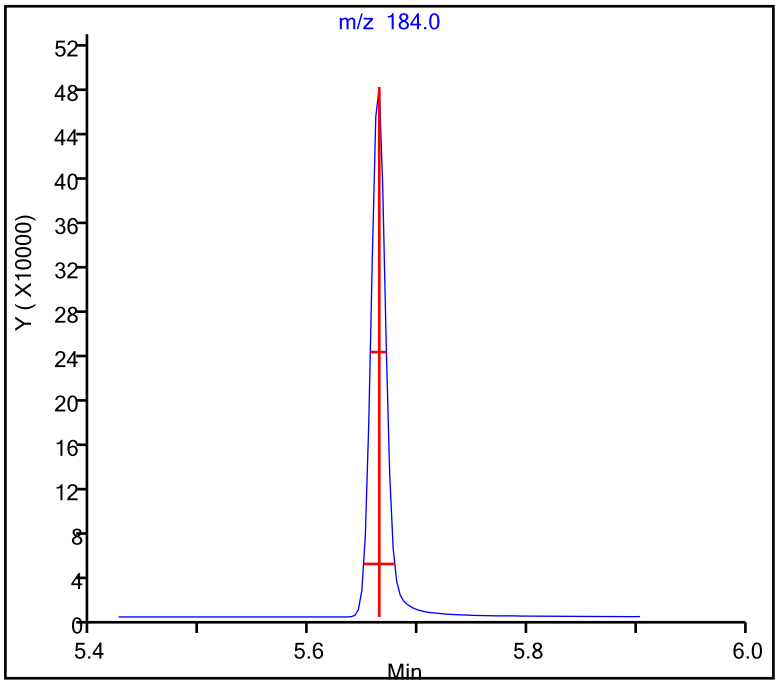
Data File: \\chromfs\Edison\ChromData\CBNAMS17\20220310-142495.b\M234654.D
Injection Date: 10-Mar-2022 10:28:30 Instrument ID: CBNAMS17
Lims ID: DFTPP
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_17 Limit Group: SV 8270E ICAL

56 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.014 (min.)
Front Width = 0.014 (min.)

Tailing Factor = 1.00, Max. Tailing <= 2.00
Passed



Peak Tailing Report

Eurofins Edison

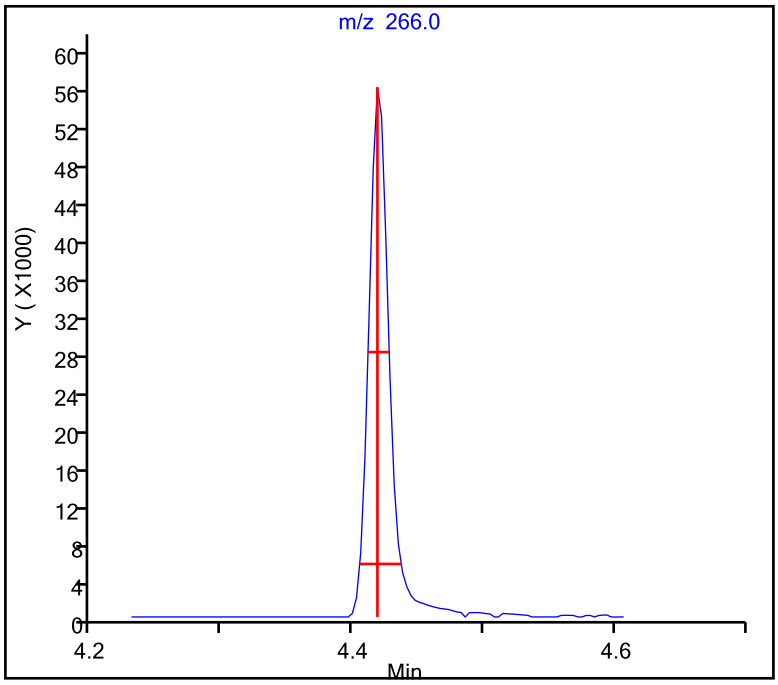
Data File: \\chromfs\Edison\ChromData\CBNAMS17\20220310-142495.b\M234654.D
Injection Date: 10-Mar-2022 10:28:30 Instrument ID: CBNAMS17
Lims ID: DFTPP
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_17 Limit Group: SV 8270E ICAL

31 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.018 (min.)
Front Width = 0.014 (min.)

Tailing Factor = 1.29, Max. Tailing <= 2.00
Passed



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-260852-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-852633/1-A

Matrix: Solid | Lab File ID: M237188.D

Analysis Method: 8270E | Date Collected:

Extract. Method: 3510C | Date Extracted: 06/29/2022 09:31

Sample wt/vol: 250(mL) | Date Analyzed: 06/29/2022 19:29

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 852775 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-46-7	1,4-Dichlorobenzene	0.00044	U	0.010	0.00044
95-95-4	2,4,5-Trichlorophenol	0.00088	U	0.010	0.00088
88-06-2	2,4,6-Trichlorophenol	0.00086	U	0.010	0.00086
121-14-2	2,4-Dinitrotoluene	0.0010	U	0.0020	0.0010
95-48-7	2-Methylphenol	0.00067	U	0.010	0.00067
15831-10-4	3 & 4 Methylphenol	0.00064	U	0.010	0.00064
118-74-1	Hexachlorobenzene	0.00040	U	0.0010	0.00040
87-68-3	Hexachlorobutadiene	0.00078	U	0.0020	0.00078
67-72-1	Hexachloroethane	0.00080	U	0.0020	0.00080
98-95-3	Nitrobenzene	0.00057	U	0.0010	0.00057
87-86-5	Pentachlorophenol	0.0014	U	0.030	0.0014
110-86-1	Pyridine	0.0019	U	0.010	0.0019

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	137		37-150
321-60-8	2-Fluorobiphenyl	100		46-139
367-12-4	2-Fluorophenol (Surr)	40		19-80
4165-60-0	Nitrobenzene-d5 (Surr)	106		52-137
4165-62-2	Phenol-d5 (Surr)	26		10-56
1718-51-0	Terphenyl-d14 (Surr)	90		22-150

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS17\20220629-147245.b\M237188.D
Lims ID: MB 460-852633/1-A
Client ID:
Sample Type: MB
Inject. Date: 29-Jun-2022 19:29:30 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0147245-004
Operator ID: Instrument ID: CBNAMS17

Method: \\chromfs\Edison\ChromData\CBNAMS17\20220629-147245.b\8270LVI_17.m
Limit Group: SV 8270E ICAL
Last Update: 30-Jun-2022 17:57:19 Calib Date: 10-Mar-2022 13:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS17\20220310-142495.b\M234663.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1647

First Level Reviewer: khlungprakhons Date: 30-Jun-2022 17:57:19

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 4 2-Fluorophenol	112	2.811	2.816	-0.003	93	55182	10.0	3.99	
$ 6 Phenol-d5	99	3.726	3.758	0.006	0	44255	10.0	2.62	
* 14 1,4-Dichlorobenzene-d4	152	4.004	4.008	-0.004	97	82491	8.00	8.00	
$ 27 Nitrobenzene-d5	82	4.550	4.555	-0.004	93	147187	10.0	10.6	
* 38 Naphthalene-d8	136	5.242	5.244	-0.002	99	304534	8.00	8.00	
$ 51 2-Fluorobiphenyl	172	6.292	6.291	0.001	97	315777	10.0	10.0	
* 64 Acenaphthene-d10	164	6.924	6.924	0.000	96	177631	8.00	8.00	
$ 80 2,4,6-Tribromophenol	330	7.680	7.682	-0.002	93	55030	10.0	13.7	
* 87 Phenanthrene-d10	188	8.325	8.327	-0.002	99	323739	8.00	8.00	
$ 96 Terphenyl-d14	244	9.844	9.840	0.002	98	307122	10.0	9.03	
* 102 Chrysene-d12	240	10.900	10.903	-0.003	99	271370	8.00	8.00	
* 109 Perylene-d12	264	12.740	12.741	-0.001	97	292553	8.00	8.00	

QC Flag Legend
Processing Flags

Reagents:
SM_ISTD_LVI_00193 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 30-Jun-2022 17:57:19 Chrom Revision: 2.3 20-Jun-2022 20:10:40

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS17\20220629-147245.b\M237188.D

Injection Date: 29-Jun-2022 19:29:30 Instrument ID: CBNAMS17

Lims ID: MB 460-852633/1-A

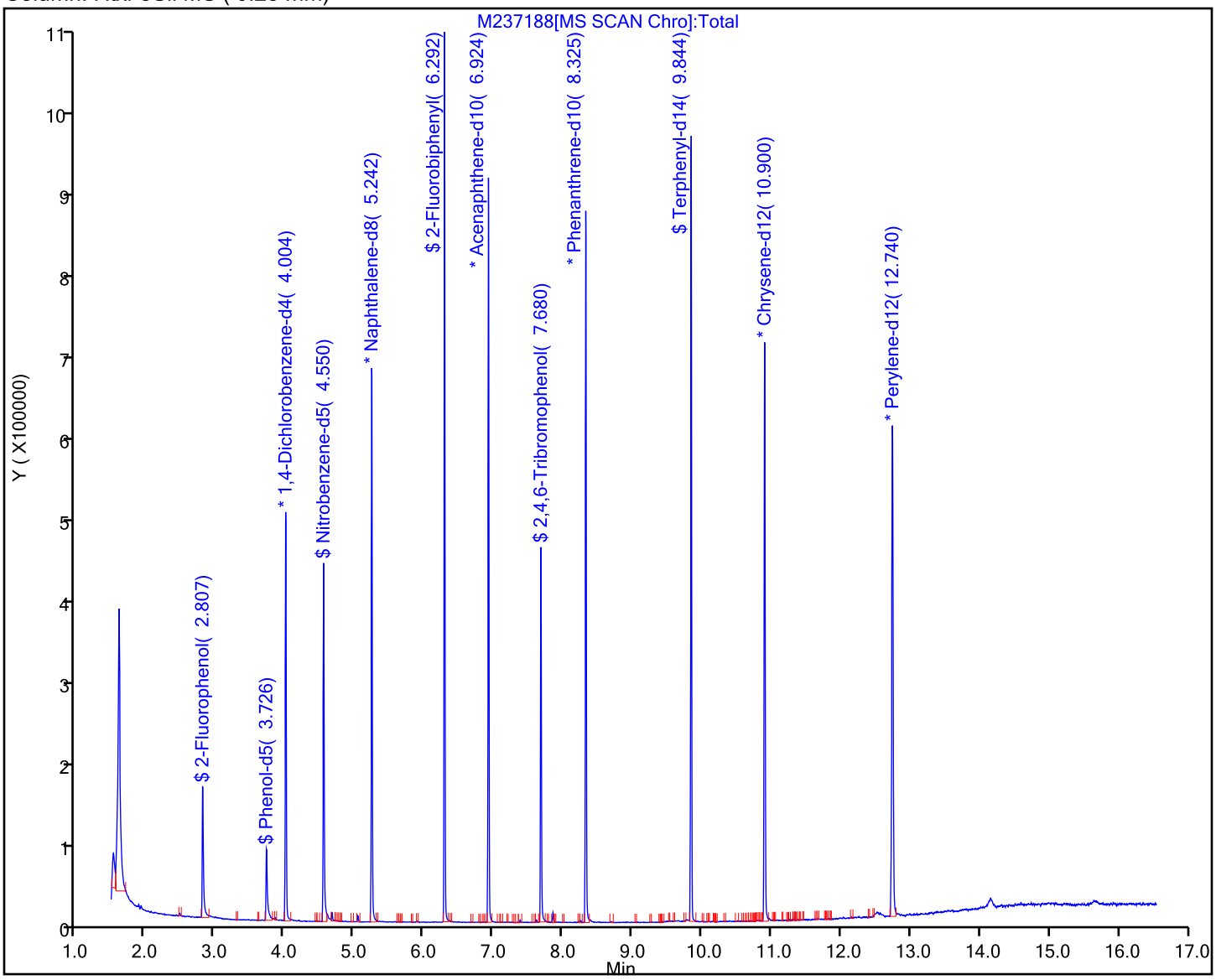
Client ID:

Operator ID: ALS Bottle#: 4 Worklist Smp#: 4

Injection Vol: 5.0 ul Dil. Factor: 1.0000

Method: 8270LVI_17 Limit Group: SV 8270E ICAL

Column: Rtxi-5Sil MS (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-260852-1

SDG No.:

Client Sample ID: | Lab Sample ID: LB 460-852487/1-D

Matrix: Solid (TCLP) | Lab File ID: M237190.D

Analysis Method: 8270E | Date Collected:

Extract. Method: 3510C | Date Extracted: 06/29/2022 09:31

Sample wt/vol: 250(mL) | Date Analyzed: 06/29/2022 20:11

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 852775 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-46-7	1,4-Dichlorobenzene	0.00044	U	0.010	0.00044
95-95-4	2,4,5-Trichlorophenol	0.00088	U	0.010	0.00088
88-06-2	2,4,6-Trichlorophenol	0.00086	U	0.010	0.00086
121-14-2	2,4-Dinitrotoluene	0.0010	U	0.0020	0.0010
95-48-7	2-Methylphenol	0.00067	U	0.010	0.00067
15831-10-4	3 & 4 Methylphenol	0.00064	U	0.010	0.00064
118-74-1	Hexachlorobenzene	0.00040	U	0.0010	0.00040
87-68-3	Hexachlorobutadiene	0.00078	U	0.0020	0.00078
67-72-1	Hexachloroethane	0.00080	U	0.0020	0.00080
98-95-3	Nitrobenzene	0.00057	U	0.0010	0.00057
87-86-5	Pentachlorophenol	0.0014	U	0.030	0.0014
110-86-1	Pyridine	0.0019	U	0.010	0.0019

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	143		37-150
321-60-8	2-Fluorobiphenyl	108		46-139
367-12-4	2-Fluorophenol (Surr)	44		19-80
4165-60-0	Nitrobenzene-d5 (Surr)	117		52-137
4165-62-2	Phenol-d5 (Surr)	29		10-56
1718-51-0	Terphenyl-d14 (Surr)	119		22-150

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS17\20220629-147245.b\M237190.D
Lims ID: LB 460-852487/1-D
Client ID:
Sample Type: LB
Inject. Date: 29-Jun-2022 20:11:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0147245-006
Operator ID: Instrument ID: CBNAMS17

Method: \\chromfs\Edison\ChromData\CBNAMS17\20220629-147245.b\8270LVI_17.m
Limit Group: SV 8270E ICAL
Last Update: 30-Jun-2022 14:43:41 Calib Date: 10-Mar-2022 13:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS17\20220310-142495.b\M234663.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1631

First Level Reviewer: DY9Z Date: 29-Jun-2022 20:44:04

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 4 2-Fluorophenol	112	2.811	2.814	-0.003	92	57085	10.0	4.38	
$ 6 Phenol-d5	99	3.730	3.720	0.010	0	45970	10.0	2.88	
* 14 1,4-Dichlorobenzene-d4	152	4.005	4.008	-0.003	96	77804	8.00	8.00	
$ 27 Nitrobenzene-d5	82	4.550	4.554	-0.004	93	150216	10.0	11.7	
* 38 Naphthalene-d8	136	5.243	5.244	-0.001	100	281856	8.00	8.00	
$ 51 2-Fluorobiphenyl	172	6.293	6.291	0.002	97	320370	10.0	10.8	
* 64 Acenaphthene-d10	164	6.925	6.924	0.001	96	167841	8.00	8.00	
$ 80 2,4,6-Tribromophenol	330	7.678	7.682	-0.004	94	54367	10.0	14.3	
58 1-Naphthylamine	143	8.322	8.230	0.090	42	134		NC	
* 87 Phenanthrene-d10	188	8.326	8.327	-0.001	98	310086	8.00	8.00	
71 2-Naphthylamine	143	8.322	8.326	-0.006	41	134		NC	
$ 96 Terphenyl-d14	244	9.842	9.842	0.000	98	385883	10.0	11.9	
* 102 Chrysene-d12	240	10.898	10.903	-0.005	99	258646	8.00	8.00	
* 109 Perylene-d12	264	12.741	12.741	0.000	98	283623	8.00	8.00	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

SM_ISTD_LVI_00193 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 30-Jun-2022 14:46:23 Chrom Revision: 2.3 20-Jun-2022 20:10:40

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS17\20220629-147245.b\M237190.D

Injection Date: 29-Jun-2022 20:11:30 Instrument ID: CBNAMS17

Lims ID: LB 460-852487/1-D

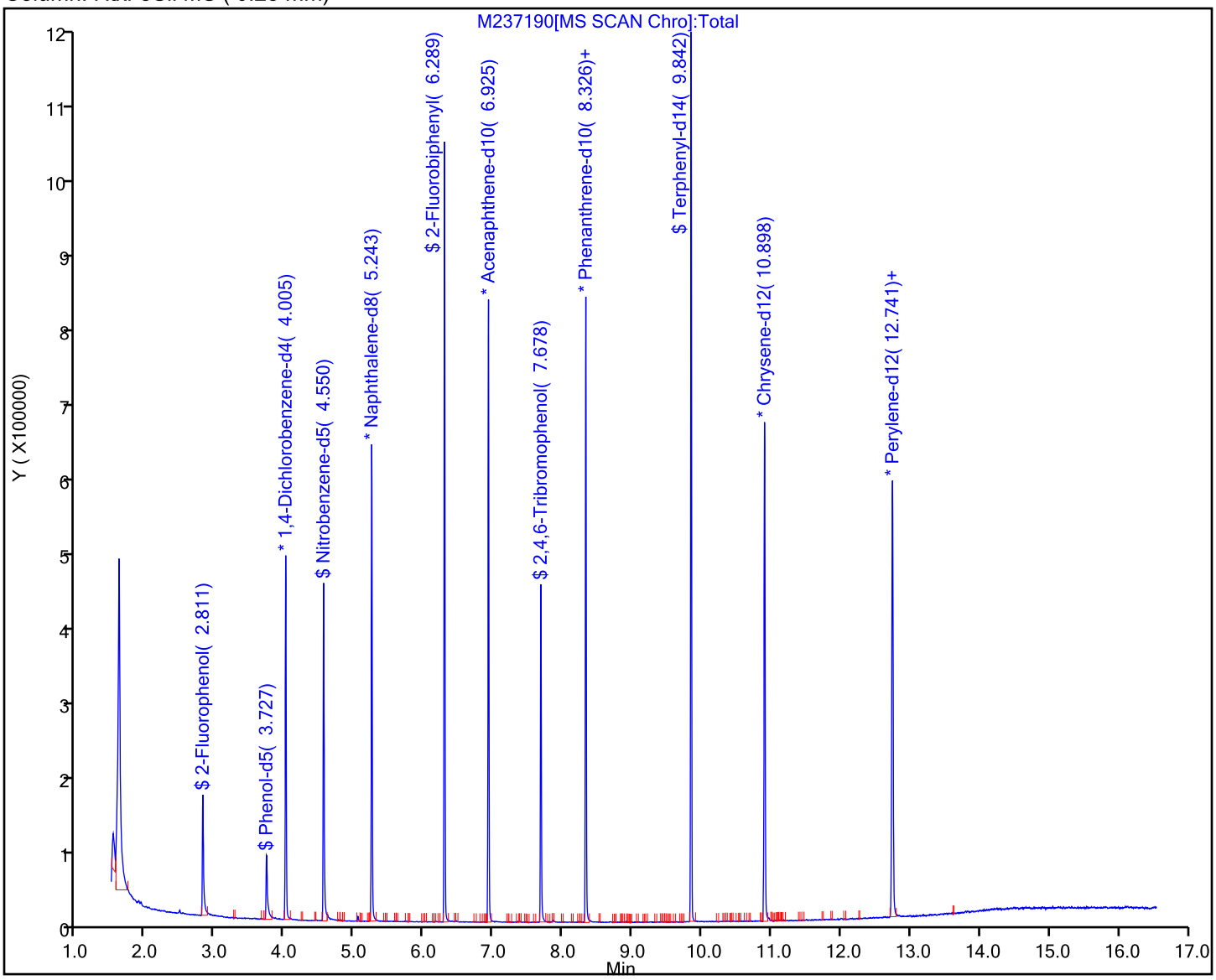
Client ID:

Operator ID: ALS Bottle#: 6 Worklist Smp#: 6

Injection Vol: 5.0 ul Dil. Factor: 1.0000

Method: 8270LVI_17 Limit Group: SV 8270E ICAL

Column: Rtxi-5Sil MS (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-260852-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 460-852633/2-A

Matrix: Solid | Lab File ID: M237189.D

Analysis Method: 8270E | Date Collected:

Extract. Method: 3510C | Date Extracted: 06/29/2022 09:31

Sample wt/vol: 250(mL) | Date Analyzed: 06/29/2022 19:50

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 852775 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-46-7	1,4-Dichlorobenzene	0.0812		0.010	0.00044
95-95-4	2,4,5-Trichlorophenol	0.0881		0.010	0.00088
88-06-2	2,4,6-Trichlorophenol	0.0935		0.010	0.00086
121-14-2	2,4-Dinitrotoluene	0.102		0.0020	0.0010
95-48-7	2-Methylphenol	0.0579		0.010	0.00067
15831-10-4	3 & 4 Methylphenol	0.0498		0.010	0.00064
118-74-1	Hexachlorobenzene	0.0899		0.0010	0.00040
87-68-3	Hexachlorobutadiene	0.0915		0.0020	0.00078
67-72-1	Hexachloroethane	0.0842		0.0020	0.00080
98-95-3	Nitrobenzene	0.0940		0.0010	0.00057
87-86-5	Pentachlorophenol	0.128		0.030	0.0014
110-86-1	Pyridine	0.0467		0.010	0.0019

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	135		37-150
321-60-8	2-Fluorobiphenyl	95		46-139
367-12-4	2-Fluorophenol (Surr)	42		19-80
4165-60-0	Nitrobenzene-d5 (Surr)	104		52-137
4165-62-2	Phenol-d5 (Surr)	30		10-56
1718-51-0	Terphenyl-d14 (Surr)	87		22-150

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS17\20220629-147245.b\M237189.D
Lims ID: LCS 460-852633/2-A
Client ID:
Sample Type: LCS
Inject. Date: 29-Jun-2022 19:50:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0147245-005
Operator ID: Instrument ID: CBNAMS17

Method: \\chromfs\Edison\ChromData\CBNAMS17\20220629-147245.b\8270LVI_17.m
Limit Group: SV 8270E ICAL
Last Update: 30-Jun-2022 17:57:59 Calib Date: 10-Mar-2022 13:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS17\20220310-142495.b\M234663.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1647

First Level Reviewer: DY9Z Date: 29-Jun-2022 20:39:43

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.518	1.522	-0.003	96	22230	10.0	3.97	
2 N-Nitrosodimethylamine	74	1.716	1.718	-0.003	75	30378	10.0	3.83	
3 Pyridine	79	1.745	1.743	0.000	77	71408	20.0	5.83	
$ 4 2-Fluorophenol	112	2.811	2.816	-0.003	93	57908	10.0	4.17	
5 Benzaldehyde	77	3.580	3.586	-0.009	91	64001	5.00	5.44	E
8 Aniline	93	3.695	3.694	-0.003	98	100537	10.0	5.00	
$ 6 Phenol-d5	99	3.720	3.758	0.000	0	50952	10.0	3.00	
7 Phenol	94	3.736	3.730	0.003	94	58065	10.0	3.42	
9 Bis(2-chloroethyl)ether	93	3.749	3.749	-0.003	89	115472	10.0	9.34	
10 Benzonitrile	103	3.762	3.765	-0.006	99	264520	NC	NC	
11 2-Chlorophenol	128	3.826	3.829	-0.006	94	120866	10.0	8.65	
12 n-Decane	43	3.854	3.863	-0.007	91	150903	10.0	7.44	
13 1,3-Dichlorobenzene	146	3.950	3.950	-0.003	95	161231	10.0	9.88	
* 14 1,4-Dichlorobenzene-d4	152	4.005	4.008	-0.003	96	82843	8.00	8.00	
15 1,4-Dichlorobenzene	146	4.021	4.020	-0.003	95	167646	10.0	10.2	
16 Benzyl alcohol	108	4.161	4.160	-0.003	92	59857	10.0	6.91	
17 1,2-Dichlorobenzene	146	4.174	4.173	-0.003	96	159594	10.0	10.2	
19 2,2'-oxybis[1-chloropropane]	45	4.279	4.278	-0.003	94	214894	10.0	8.17	
18 2-Methylphenol	108	4.308	4.304	0.000	87	88193	10.0	7.23	
20 N-Methylaniline	106	4.401	4.399	0.001	97	162332	10.0	7.67	
21 Acetophenone	105	4.404	4.410	-0.003	92	188359	10.0	10.1	
22 N-Nitrosodi-n-propylamine	70	4.410	4.409	-0.003	94	94232	10.0	10.3	
23 3 & 4 Methylphenol	108	4.465	4.460	0.000	0	84985	10.0	6.22	
24 4-Methylphenol	108	4.465	4.460	0.000	95	83623	10.0	6.13	
25 Hexachloroethane	117	4.496	4.495	-0.004	92	65650	10.0	10.5	
$ 27 Nitrobenzene-d5	82	4.551	4.555	-0.003	92	147070	10.0	10.4	
28 Nitrobenzene	123	4.570	4.572	-0.003	89	68605	10.0	11.7	
29 n,n'-Dimethylaniline	120	4.573	4.569	0.000	94	166386	10.0	7.97	
30 Isophorone	82	4.800	4.805	-0.003	98	256375	10.0	10.1	
32 2-Nitrophenol	139	4.883	4.881	0.000	89	76778	10.0	13.4	
33 2,4-Dimethylphenol	122	4.963	4.964	0.000	89	107238	10.0	9.11	
34 Bis(2-chloroethoxy)methane	93	5.023	5.022	0.000	94	150108	10.0	9.83	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.068	5.086	-0.019	92	5462	10.0	1.85	
36 2,4-Dichlorophenol	162	5.148	5.149	-0.003	95	118664	10.0	10.5	
37 1,2,4-Trichlorobenzene	180	5.193	5.194	-0.003	95	136839	10.0	11.0	
* 38 Naphthalene-d8	136	5.244	5.244	0.000	99	311532	8.00	8.00	
39 Naphthalene	128	5.263	5.265	-0.003	99	410505	10.0	10.3	
40 4-Chloroaniline	127	5.336	5.335	0.000	97	118264	10.0	7.14	
130 2,6-Dichlorophenol	162	5.346	5.344	0.000	97	119959	10.0	10.7	
41 Hexachlorobutadiene	225	5.397	5.395	0.000	94	82442	10.0	11.4	
42 Caprolactam	113	5.656	5.657	-0.003	85	4311	5.00	1.58	
43 4-Chloro-3-methylphenol	107	5.854	5.852	0.000	98	104742	10.0	9.94	
44 2-Methylnaphthalene	142	5.934	5.932	0.001	84	247825	10.0	9.57	
45 1-Methylnaphthalene	142	6.026	6.024	0.000	91	248519	10.0	10.6	
46 Hexachlorocyclopentadiene	237	6.093	6.093	0.000	96	105413	10.0	11.6	
47 1,2,4,5-Tetrachlorobenzene	216	6.100	6.099	0.000	97	139644	10.0	10.9	
48 2-tertbutyl-4-methylphenol	149	6.164	6.162	0.000	89	187339	10.0	12.1	
49 2,4,6-Trichlorophenol	196	6.228	6.230	-0.003	90	91245	10.0	11.7	
$ 51 2-Fluorobiphenyl	172	6.292	6.291	0.001	97	291469	10.0	9.45	
50 2,4,5-Trichlorophenol	196	6.288	6.291	-0.003	97	95173	10.0	11.0	
52 1,1'-Biphenyl	154	6.384	6.384	0.000	97	321185	10.0	10.1	
53 2-Chloronaphthalene	162	6.397	6.396	0.000	98	271566	10.0	10.6	
54 Phenyl ether	170	6.486	6.486	0.000	87	191879	10.0	11.1	
55 2-Nitroaniline	65	6.515	6.515	0.000	98	79168	10.0	9.42	
57 1,3-Dimethylnaphthalene	156	6.608	6.607	0.000	89	211270	10.0	10.9	
59 Dimethyl phthalate	163	6.688	6.687	0.000	99	316544	10.0	11.3	
60 Coumarin	146	6.701	6.698	0.001	79	106489	10.0	11.6	
61 2,6-Dinitrotoluene	165	6.742	6.742	0.000	94	70653	10.0	13.7	
62 Acenaphthylene	152	6.790	6.790	0.000	97	397142	10.0	9.78	
63 3-Nitroaniline	138	6.908	6.908	0.000	92	55339	10.0	9.14	
* 64 Acenaphthene-d10	164	6.924	6.924	0.000	96	173833	8.00	8.00	
66 Acenaphthene	154	6.956	6.956	0.000	97	233291	10.0	10.2	
65 3,5-di-tert-butyl-4-hydroxytol	205	6.963	6.962	0.001	98	244659	10.0	12.2	
67 2,4-Dinitrophenol	184	7.004	7.004	0.000	93	73591	20.0	28.5	
70 Dibenzofuran	168	7.122	7.122	0.000	95	373605	10.0	10.8	
69 2,4-Dinitrotoluene	165	7.126	7.125	0.000	93	92802	10.0	12.7	
68 4-Nitrophenol	65	7.164	7.154	0.010	90	29263	20.0	6.63	
72 2,3,4,6-Tetrachlorophenol	232	7.260	7.263	-0.003	94	69612	10.0	11.4	
73 Diethyl phthalate	149	7.359	7.362	-0.003	97	330583	10.0	11.7	
75 Fluorene	166	7.445	7.445	0.000	94	292868	10.0	11.0	
74 4-Chlorophenyl phenyl ether	204	7.452	7.451	0.000	91	140355	10.0	11.2	
76 4-Nitroaniline	138	7.490	7.493	-0.003	90	66268	10.0	11.1	
77 4,6-Dinitro-2-methylphenol	198	7.512	7.510	0.000	81	98276	20.0	27.4	
78 N-Nitrosodiphenylamine	169	7.570	7.567	0.000	71	203072	10.0	9.94	
79 1,2-Diphenylhydrazine	77	7.599	7.603	-0.003	50	283003	10.0	9.49	
$ 80 2,4,6-Tribromophenol	330	7.682	7.682	0.000	94	53315	10.0	13.5	
81 4-Bromophenyl phenyl ether	248	7.912	7.909	0.000	88	83414	10.0	11.3	
82 Hexachlorobenzene	284	7.969	7.970	-0.004	97	105079	10.0	11.2	
83 Atrazine	200	8.084	8.082	0.000	92	51586	5.00	7.16	E
85 Pentachloronitrobenzene	237	8.174	8.171	0.000	88	49459	10.0	13.3	
84 Pentachlorophenol	266	8.174	8.171	0.000	90	79185	20.0	16.0	
86 n-Octadecane	57	8.254	8.258	-0.003	90	221218	10.0	8.50	
* 87 Phenanthrene-d10	188	8.327	8.327	0.000	98	313170	8.00	8.00	
88 Phenanthrene	178	8.350	8.351	0.000	98	413372	10.0	10.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
89 Anthracene	178	8.398	8.399	0.000	98	425094	10.0	10.1	
90 Carbazole	167	8.564	8.561	0.000	96	380549	10.0	10.1	
91 Di-n-butyl phthalate	149	8.902	8.903	-0.003	99	525271	10.0	10.6	
92 Fluoranthene	202	9.471	9.472	0.000	98	423520	10.0	10.4	
93 Benzidine	184	9.614	9.612	0.000	99	136783	10.0	6.27	
94 Pyrene	202	9.681	9.680	-0.001	97	441493	10.0	9.74	
95 Bisphenol-A	213	9.768	9.768	0.000	97	74098	5.00	5.26	a
$ 96 Terphenyl-d14	244	9.841	9.840	-0.001	97	286280	10.0	8.68	
97 Butyl benzyl phthalate	149	10.323	10.322	-0.001	96	215319	10.0	10.9	
99 Carbamazepine	193	10.426	10.424	0.000	91	184475	10.0	12.6	
100 3,3'-Dichlorobenzidine	252	10.882	10.881	-0.001	100	153484	10.0	11.0	
101 Benzo[a]anthracene	228	10.892	10.891	-0.001	99	397058	10.0	9.97	
* 102 Chrysene-d12	240	10.902	10.903	-0.001	99	263004	8.00	8.00	
104 Chrysene	228	10.931	10.929	0.000	98	381926	10.0	10.1	
103 Bis(2-ethylhexyl) phthalate	149	10.963	10.961	0.000	85	320052	10.0	10.9	
105 Di-n-octyl phthalate	149	11.771	11.771	-0.001	96	535228	10.0	10.2	
106 Benzo[b]fluoranthene	252	12.231	12.228	0.002	98	399608	10.0	10.3	
107 Benzo[k]fluoranthene	252	12.263	12.263	-0.001	99	426901	10.0	10.8	
108 Benzo[a]pyrene	252	12.662	12.667	-0.002	99	352989	10.0	9.36	
* 109 Perylene-d12	264	12.742	12.741	0.001	98	272981	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	14.222	14.221	0.000	99	409576	10.0	12.3	
111 Dibenz(a,h)anthracene	278	14.258	14.256	0.000	97	420520	10.0	12.2	
112 Benzo[g,h,i]perylene	276	14.606	14.605	-0.001	97	433821	10.0	11.6	

QC Flag Legend

Processing Flags

NC - Not Calibrated

E - Exceeded Maximum Amount

Review Flags

a - User Assigned ID

Reagents:

SM_ISTD_LVI_00193 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 30-Jun-2022 17:57:59 Chrom Revision: 2.3 20-Jun-2022 20:10:40

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS17\20220629-147245.b\M237189.D

Injection Date: 29-Jun-2022 19:50:30 Instrument ID: CBNAMS17

Lims ID: LCS 460-852633/2-A

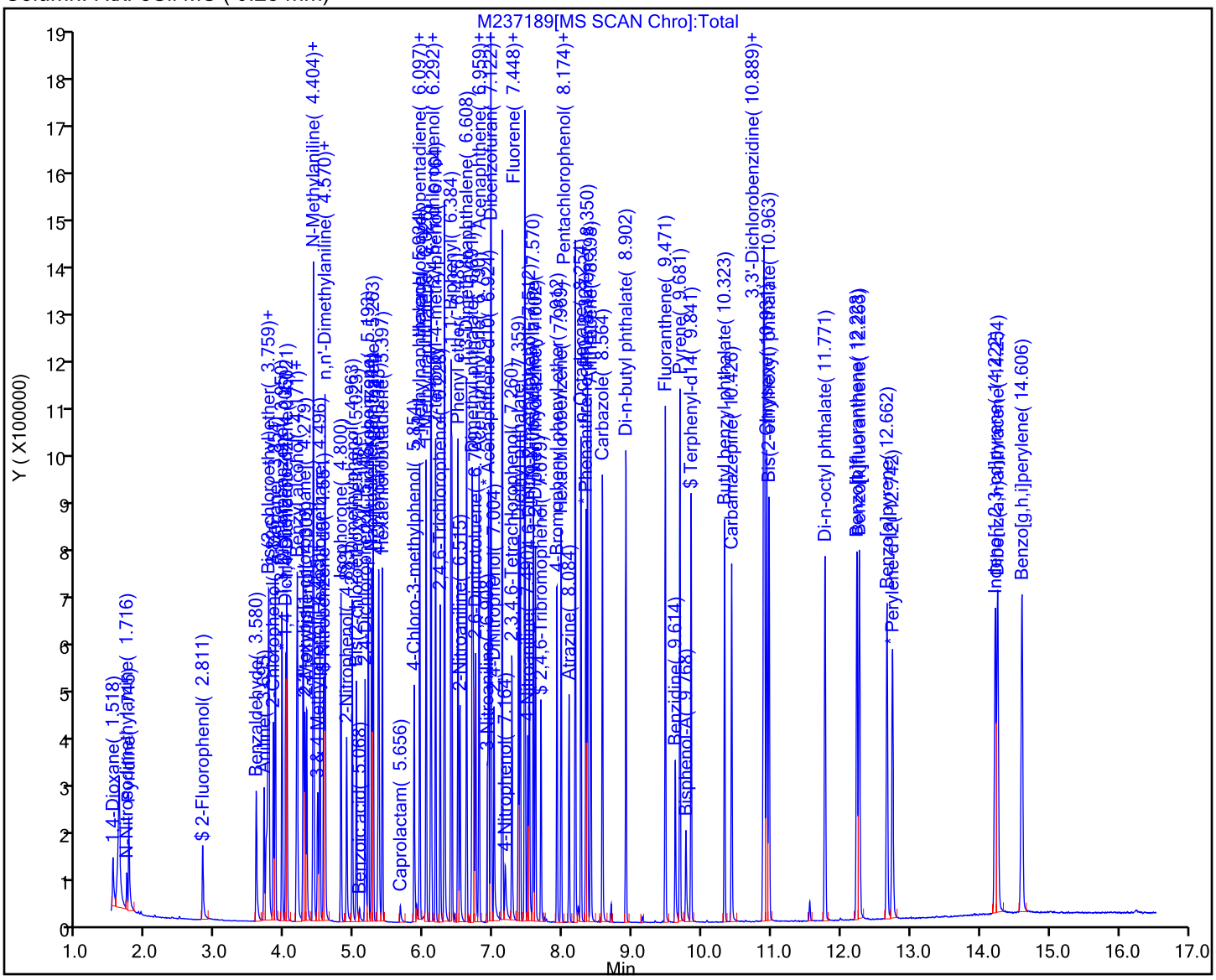
Client ID:

Operator ID: ALS Bottle#: 5 Worklist Smp#: 5

Injection Vol: 5.0 ul Dil. Factor: 1.0000

Method: 8270LVI_17 Limit Group: SV 8270E ICAL

Column: Rtxi-5Sil MS (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-260852-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 460-852633/3-A

Matrix: Solid | Lab File ID: M237191.D

Analysis Method: 8270E | Date Collected:

Extract. Method: 3510C | Date Extracted: 06/29/2022 09:31

Sample wt/vol: 250(mL) | Date Analyzed: 06/29/2022 20:32

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 852775 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-46-7	1,4-Dichlorobenzene	0.0763		0.010	0.00044
95-95-4	2,4,5-Trichlorophenol	0.0818		0.010	0.00088
88-06-2	2,4,6-Trichlorophenol	0.0859		0.010	0.00086
121-14-2	2,4-Dinitrotoluene	0.0944		0.0020	0.0010
95-48-7	2-Methylphenol	0.0547		0.010	0.00067
15831-10-4	3 & 4 Methylphenol	0.0462		0.010	0.00064
118-74-1	Hexachlorobenzene	0.0854		0.0010	0.00040
87-68-3	Hexachlorobutadiene	0.0868		0.0020	0.00078
67-72-1	Hexachloroethane	0.0806		0.0020	0.00080
98-95-3	Nitrobenzene	0.0901		0.0010	0.00057
87-86-5	Pentachlorophenol	0.122		0.030	0.0014
110-86-1	Pyridine	0.0425		0.010	0.0019

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	123		37-150
321-60-8	2-Fluorobiphenyl	87		46-139
367-12-4	2-Fluorophenol (Surr)	38		19-80
4165-60-0	Nitrobenzene-d5 (Surr)	96		52-137
4165-62-2	Phenol-d5 (Surr)	28		10-56
1718-51-0	Terphenyl-d14 (Surr)	81		22-150

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS17\20220629-147245.b\M237191.D
Lims ID: LCSD 460-852633/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 29-Jun-2022 20:32:30 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0147245-007
Operator ID: Instrument ID: CBNAMS17

Method: \\chromfs\Edison\ChromData\CBNAMS17\20220629-147245.b\8270LVI_17.m
Limit Group: SV 8270E ICAL
Last Update: 30-Jun-2022 18:00:11 Calib Date: 10-Mar-2022 13:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS17\20220310-142495.b\M234663.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1647

First Level Reviewer: maheseep Date: 30-Jun-2022 14:47:34

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.515	1.522	-0.006	96	22255	10.0	3.68	
	2 N-Nitrosodimethylamine	74	1.716	1.718	-0.003	76	31955	10.0	3.74	
	3 Pyridine	79	1.745	1.743	0.000	77	70109	20.0	5.31	
$	4 2-Fluorophenol	112	2.808	2.816	-0.006	93	56688	10.0	3.79	
	5 Benzaldehyde	77	3.580	3.586	-0.009	91	64695	5.00	5.10	E
	8 Aniline	93	3.692	3.694	-0.006	99	100525	10.0	4.63	
$	6 Phenol-d5	99	3.720	3.758	0.000	0	51414	10.0	2.81	
	7 Phenol	94	3.733	3.730	0.000	95	57625	10.0	3.15	
	9 Bis(2-chloroethyl)ether	93	3.749	3.749	-0.003	89	122365	10.0	9.18	
	10 Benzonitrile	103	3.762	3.765	-0.006	98	265540	NC	NC	
	11 2-Chlorophenol	128	3.826	3.829	-0.006	95	122637	10.0	8.14	
	12 n-Decane	43	3.855	3.863	-0.006	91	151575	10.0	6.93	
	13 1,3-Dichlorobenzene	146	3.950	3.950	-0.003	96	163191	10.0	9.27	
*	14 1,4-Dichlorobenzene-d4	152	4.005	4.008	-0.003	96	89337	8.00	8.00	
	15 1,4-Dichlorobenzene	146	4.021	4.020	-0.003	95	169795	10.0	9.53	
	16 Benzyl alcohol	108	4.161	4.160	-0.003	92	58880	10.0	6.30	
	17 1,2-Dichlorobenzene	146	4.171	4.173	-0.006	97	159752	10.0	9.44	
	19 2,2'-oxybis[1-chloropropane]	45	4.279	4.278	-0.003	93	218472	10.0	7.70	
	18 2-Methylphenol	108	4.305	4.304	-0.003	87	89830	10.0	6.83	
	20 N-Methylaniline	106	4.398	4.399	-0.002	97	165460	10.0	7.25	
	21 Acetophenone	105	4.404	4.410	-0.003	91	193859	10.0	9.61	
	22 N-Nitrosodi-n-propylamine	70	4.407	4.409	-0.006	94	95416	10.0	9.66	
	23 3 & 4 Methylphenol	108	4.465	4.460	0.001	0	85055	10.0	5.78	
	24 4-Methylphenol	108	4.465	4.460	0.001	94	84226	10.0	5.73	
	25 Hexachloroethane	117	4.497	4.495	-0.003	93	67732	10.0	10.1	
$	27 Nitrobenzene-d5	82	4.551	4.555	-0.003	92	148964	10.0	9.63	
	28 Nitrobenzene	123	4.570	4.572	-0.003	89	70934	10.0	11.3	
	29 n,n'-Dimethylaniline	120	4.570	4.569	-0.003	94	168073	10.0	7.46	
	30 Isophorone	82	4.800	4.805	-0.003	98	261814	10.0	9.47	
	32 2-Nitrophenol	139	4.883	4.881	0.000	88	75234	10.0	12.0	
	33 2,4-Dimethylphenol	122	4.963	4.964	0.000	89	109226	10.0	8.48	
	34 Bis(2-chloroethoxy)methane	93	5.024	5.022	0.001	94	152495	10.0	9.14	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.068	5.086	-0.019	90	8614	10.0	2.26	
36 2,4-Dichlorophenol	162	5.148	5.149	-0.003	95	120133	10.0	9.68	
37 1,2,4-Trichlorobenzene	180	5.193	5.194	-0.003	94	143658	10.0	10.5	
* 38 Naphthalene-d8	136	5.244	5.244	0.000	99	340715	8.00	8.00	
39 Naphthalene	128	5.263	5.265	-0.003	99	412851	10.0	9.44	
40 4-Chloroaniline	127	5.337	5.335	0.001	97	119130	10.0	6.58	
130 2,6-Dichlorophenol	162	5.346	5.344	0.000	97	121016	10.0	9.83	
41 Hexachlorobutadiene	225	5.398	5.395	0.001	95	85514	10.0	10.8	
42 Caprolactam	113	5.656	5.657	-0.003	85	4175	5.00	1.40	
43 4-Chloro-3-methylphenol	107	5.854	5.852	0.000	97	107022	10.0	9.29	
44 2-Methylnaphthalene	142	5.934	5.932	0.001	83	248627	10.0	8.78	
45 1-Methylnaphthalene	142	6.027	6.024	0.001	92	250544	10.0	9.74	
46 Hexachlorocyclopentadiene	237	6.094	6.093	0.001	96	108286	10.0	10.8	
47 1,2,4,5-Tetrachlorobenzene	216	6.100	6.099	0.000	97	143114	10.0	10.2	
48 2-tertbutyl-4-methylphenol	149	6.164	6.162	0.000	88	190474	10.0	11.3	
49 2,4,6-Trichlorophenol	196	6.228	6.230	-0.003	89	92063	10.0	10.7	
$ 51 2-Fluorobiphenyl	172	6.292	6.291	0.001	97	295849	10.0	8.74	
50 2,4,5-Trichlorophenol	196	6.289	6.291	-0.002	98	96978	10.0	10.2	
52 1,1'-Biphenyl	154	6.385	6.384	0.001	97	327086	10.0	9.40	
53 2-Chloronaphthalene	162	6.397	6.396	0.000	98	273234	10.0	9.70	
54 Phenyl ether	170	6.487	6.486	0.001	87	196081	10.0	10.3	
55 2-Nitroaniline	65	6.512	6.515	-0.003	98	79382	10.0	8.60	
57 1,3-Dimethylnaphthalene	156	6.608	6.607	0.000	90	218077	10.0	10.3	
59 Dimethyl phthalate	163	6.688	6.687	0.000	99	322148	10.0	10.5	
60 Coumarin	146	6.698	6.698	-0.002	78	108073	10.0	10.8	
61 2,6-Dinitrotoluene	165	6.739	6.742	-0.003	94	71649	10.0	12.6	
62 Acenaphthylene	152	6.790	6.790	0.000	97	406485	10.0	9.11	
63 3-Nitroaniline	138	6.909	6.908	0.001	92	53713	10.0	8.08	
* 64 Acenaphthene-d10	164	6.925	6.924	0.001	96	190895	8.00	8.00	
66 Acenaphthene	154	6.957	6.956	0.001	96	237155	10.0	9.48	
65 3,5-di-tert-butyl-4-hydroxytol	205	6.963	6.962	0.001	98	243828	10.0	11.0	
67 2,4-Dinitrophenol	184	7.005	7.004	0.001	92	75639	20.0	26.8	
70 Dibenzofuran	168	7.120	7.122	-0.002	98	373982	10.0	9.88	
69 2,4-Dinitrotoluene	165	7.123	7.125	-0.003	92	94541	10.0	11.8	
68 4-Nitrophenol	65	7.164	7.154	0.010	93	30593	20.0	6.31	
72 2,3,4,6-Tetrachlorophenol	232	7.260	7.263	-0.003	91	69647	10.0	10.4	
73 Diethyl phthalate	149	7.356	7.362	-0.006	97	333540	10.0	10.7	
75 Fluorene	166	7.446	7.445	0.001	94	295886	10.0	10.1	
74 4-Chlorophenyl phenyl ether	204	7.449	7.451	-0.003	91	143131	10.0	10.4	
76 4-Nitroaniline	138	7.490	7.493	-0.003	90	66605	10.0	10.2	
77 4,6-Dinitro-2-methylphenol	198	7.513	7.510	0.001	82	101680	20.0	26.4	
78 N-Nitrosodiphenylamine	169	7.567	7.567	-0.003	71	207025	10.0	9.40	
79 1,2-Diphenylhydrazine	77	7.599	7.603	-0.003	50	287570	10.0	8.94	
$ 80 2,4,6-Tribromophenol	330	7.679	7.682	-0.003	94	52995	10.0	12.3	
81 4-Bromophenyl phenyl ether	248	7.909	7.909	-0.003	88	85395	10.0	10.7	
82 Hexachlorobenzene	284	7.970	7.970	-0.003	98	107663	10.0	10.7	
83 Atrazine	200	8.085	8.082	0.001	90	53047	5.00	6.83	E
85 Pentachloronitrobenzene	237	8.174	8.171	0.000	71	51255	10.0	12.8	
84 Pentachlorophenol	266	8.174	8.171	0.000	86	81444	20.0	15.3	
86 n-Octadecane	57	8.254	8.258	-0.003	91	225727	10.0	8.04	
* 87 Phenanthrene-d10	188	8.328	8.327	0.001	98	337589	8.00	8.00	
88 Phenanthrene	178	8.350	8.351	0.000	98	425388	10.0	9.55	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
89 Anthracene	178	8.395	8.399	-0.003	98	431358	10.0	9.54	
90 Carbazole	167	8.564	8.561	0.000	96	382748	10.0	9.40	
91 Di-n-butyl phthalate	149	8.903	8.903	-0.002	99	532060	10.0	9.96	
92 Fluoranthene	202	9.471	9.472	0.000	98	430507	10.0	9.82	
93 Benzidine	184	9.612	9.612	-0.002	99	138964	10.0	5.91	
94 Pyrene	202	9.682	9.680	0.000	97	447832	10.0	9.01	
95 Bisphenol-A	213	9.768	9.768	0.000	97	75804	5.00	4.94	a
$ 96 Terphenyl-d14	244	9.842	9.840	0.000	97	292587	10.0	8.10	
97 Butyl benzyl phthalate	149	10.324	10.322	0.000	95	219002	10.0	10.1	
99 Carbamazepine	193	10.426	10.424	0.000	92	185971	10.0	11.6	
100 3,3'-Dichlorobenzidine	252	10.883	10.881	0.000	99	155318	10.0	10.2	
101 Benzo[a]anthracene	228	10.893	10.891	0.000	99	400316	10.0	9.17	
* 102 Chrysene-d12	240	10.902	10.903	-0.001	99	288158	8.00	8.00	
104 Chrysene	228	10.931	10.929	0.000	98	388509	10.0	9.37	
103 Bis(2-ethylhexyl) phthalate	149	10.963	10.961	0.000	85	328866	10.0	10.2	
105 Di-n-octyl phthalate	149	11.768	11.771	-0.004	96	543636	10.0	9.64	
106 Benzo[b]fluoranthene	252	12.228	12.228	-0.001	98	380308	10.0	9.16	
107 Benzo[k]fluoranthene	252	12.263	12.263	-0.001	99	408241	10.0	9.63	
108 Benzo[a]pyrene	252	12.663	12.667	-0.001	96	356675	10.0	8.84	
* 109 Perylene-d12	264	12.740	12.741	-0.001	98	291949	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	14.219	14.221	-0.003	99	393783	10.0	11.0	
111 Dibenz(a,h)anthracene	278	14.255	14.256	-0.003	97	415191	10.0	11.3	
112 Benzo[g,h,i]perylene	276	14.603	14.605	-0.004	97	423638	10.0	10.6	

QC Flag Legend

Processing Flags

NC - Not Calibrated

E - Exceeded Maximum Amount

Review Flags

a - User Assigned ID

Reagents:

SM_ISTD_LVI_00193 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 30-Jun-2022 18:00:12 Chrom Revision: 2.3 20-Jun-2022 20:10:40

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS17\20220629-147245.b\M237191.D

Injection Date: 29-Jun-2022 20:32:30 Instrument ID: CBNAMS17

Lims ID: LCSD 460-852633/3-A

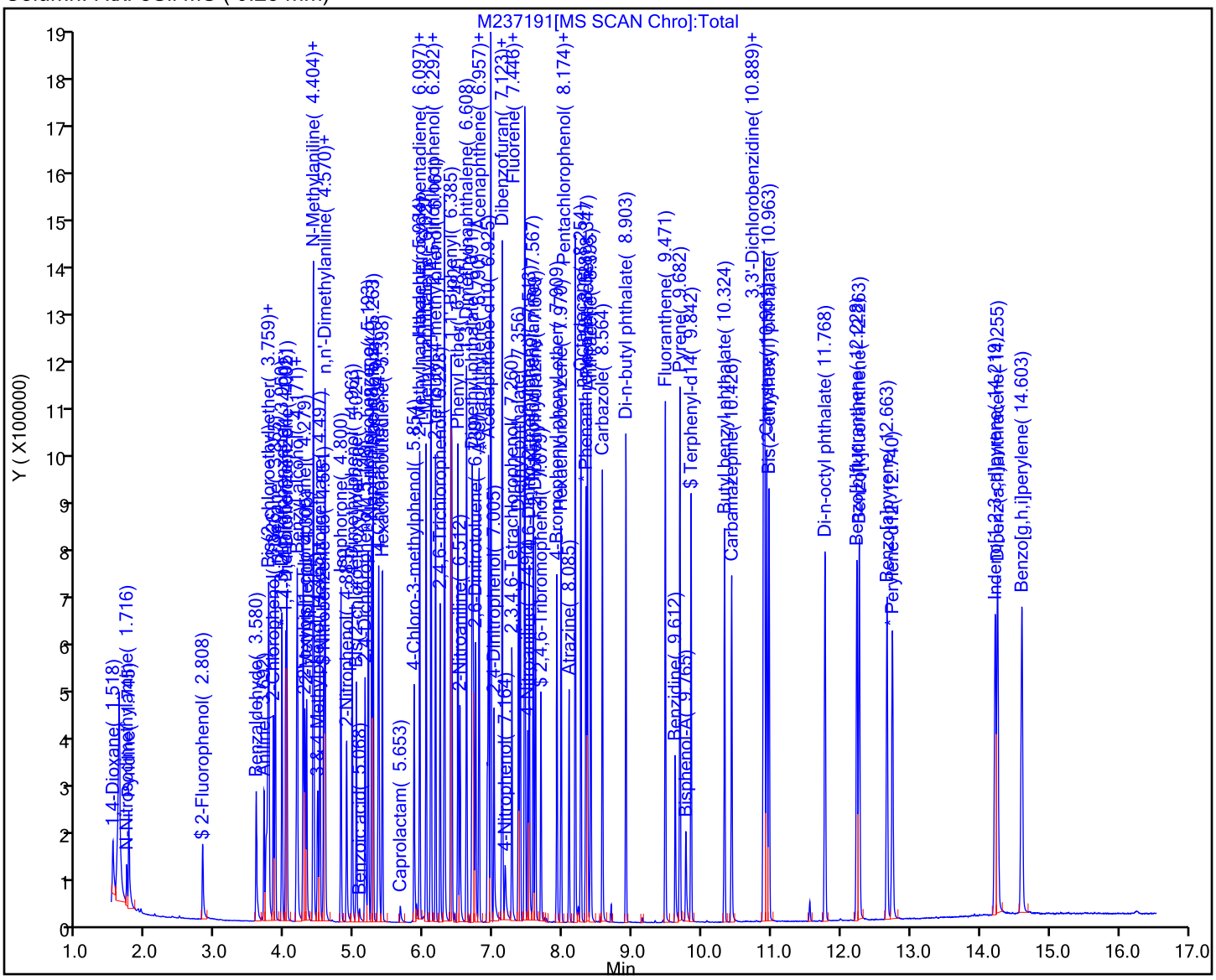
Client ID:

Operator ID: ALS Bottle#: 7 Worklist Smp#: 7

Injection Vol: 5.0 ul Dil. Factor: 1.0000

Method: 8270LVI_17 Limit Group: SV 8270E ICAL

Column: Rtxi-5Sil MS (0.25 mm)



GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Edison Job No.: 460-260852-1

SDG No.:

Instrument ID: CBNAMS17 Start Date: 03/10/2022 10:28

Analysis Batch Number: 832677 End Date: 03/10/2022 23:20

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-832677/1		03/10/2022 10:28	1	M234654.D	Rtxi-5Sil MS 0.25(mm)
ICIS 460-832677/2		03/10/2022 10:44	1	M234655.D	Rtxi-5Sil MS 0.25(mm)
STD24 460-832677/3 IC		03/10/2022 11:04	1	M234656.D	Rtxi-5Sil MS 0.25(mm)
STD16 460-832677/4 IC		03/10/2022 11:25	1	M234657.D	Rtxi-5Sil MS 0.25(mm)
STD4 460-832677/5 IC		03/10/2022 11:47	1	M234658.D	Rtxi-5Sil MS 0.25(mm)
STD2 460-832677/6 IC		03/10/2022 12:08	1	M234659.D	Rtxi-5Sil MS 0.25(mm)
STD1 460-832677/7 IC		03/10/2022 12:29	1	M234660.D	Rtxi-5Sil MS 0.25(mm)
STD04 460-832677/8 IC		03/10/2022 12:50	1	M234661.D	Rtxi-5Sil MS 0.25(mm)
STD02 460-832677/9 IC		03/10/2022 13:11	1	M234662.D	Rtxi-5Sil MS 0.25(mm)
STD01 460-832677/10 IC		03/10/2022 13:32	1	M234663.D	Rtxi-5Sil MS 0.25(mm)
ICV 460-832677/11		03/10/2022 13:53	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		03/10/2022 14:14	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		03/10/2022 14:35	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		03/10/2022 14:56	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		03/10/2022 15:59	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		03/10/2022 16:20	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		03/10/2022 16:41	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		03/10/2022 17:02	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		03/10/2022 17:23	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		03/10/2022 17:44	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		03/10/2022 18:26	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		03/10/2022 19:08	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		03/10/2022 19:29	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		03/10/2022 19:50	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		03/10/2022 20:11	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		03/10/2022 20:32	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		03/10/2022 20:53	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		03/10/2022 21:14	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		03/10/2022 21:35	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		03/10/2022 21:56	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		03/10/2022 22:17	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		03/10/2022 22:38	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		03/10/2022 22:59	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		03/10/2022 23:20	1		Rtxi-5Sil MS 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Edison Job No.: 460-260852-1

SDG No.:

Instrument ID: CBNAMS17 Start Date: 06/29/2022 18:46

Analysis Batch Number: 852775 End Date: 06/30/2022 03:51

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVIS 460-852775/2		06/29/2022 18:46	1	M237186.D	Rtxi-5Sil MS 0.25(mm)
MB 460-852633/1-A		06/29/2022 19:29	1	M237188.D	Rtxi-5Sil MS 0.25(mm)
LCS 460-852633/2-A		06/29/2022 19:50	1	M237189.D	Rtxi-5Sil MS 0.25(mm)
LB 460-852487/1-D		06/29/2022 20:11	1	M237190.D	Rtxi-5Sil MS 0.25(mm)
LCSD 460-852633/3-A		06/29/2022 20:32	1	M237191.D	Rtxi-5Sil MS 0.25(mm)
ZZZZZ		06/29/2022 20:53	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		06/29/2022 21:14	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		06/29/2022 21:35	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		06/29/2022 21:55	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		06/29/2022 22:16	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		06/29/2022 22:37	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		06/29/2022 22:58	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		06/29/2022 23:19	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		06/29/2022 23:40	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		06/30/2022 00:22	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		06/30/2022 00:43	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		06/30/2022 01:04	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		06/30/2022 01:25	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		06/30/2022 01:46	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		06/30/2022 02:06	1		Rtxi-5Sil MS 0.25(mm)
460-260852-2	BHP-FENCE-COMP-S001	06/30/2022 02:27	1	M237208.D	Rtxi-5Sil MS 0.25(mm)
ZZZZZ		06/30/2022 02:48	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		06/30/2022 03:09	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		06/30/2022 03:30	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		06/30/2022 03:51	1		Rtxi-5Sil MS 0.25(mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-260852-1

SDG No.:

Batch Number: 832677 Batch Start Date: 03/10/22 10:28 Batch Analyst: Johnston, Mark D

Batch Method: 8270E Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	SMDFTP_CH 00034	SV_BNAL1_LVI 00003	SV_BNAL2_LVI 00003	SV_BNAL3_LVI 00004	SV_BNAL4_LVI 00004
DFTPP 460-832677/1		8270E			1 mL				
ICIS 460-832677/2		8270E		1.0 mL					
STD24 460-832677/3 IC		8270E		1.0 mL					
STD16 460-832677/4 IC		8270E		1.0 mL					
STD4 460-832677/5 IC		8270E		1.0 mL					
STD2 460-832677/6 IC		8270E		1.0 mL					
STD1 460-832677/7 IC		8270E		1.0 mL					1 mL
STD04 460-832677/8 IC		8270E		1.0 mL				1 mL	
STD02 460-832677/9 IC		8270E		1.0 mL			1 mL		
STD01 460-832677/10 IC		8270E		1.0 mL		1 mL			

Lab Sample ID	Client Sample ID	Method Chain	Basis	SV_BNAL5_LVI 00004	SV_BNAL6_LVI 00005	SV_BNAL7_LVI 00004	SV_BNAL8_LVI 00004	SV_BNAL9_LVI 00003	
DFTPP 460-832677/1		8270E							
ICIS 460-832677/2		8270E				1 mL			
STD24 460-832677/3 IC		8270E						1 mL	
STD16 460-832677/4 IC		8270E					1 mL		
STD4 460-832677/5 IC		8270E			1 mL				
STD2 460-832677/6 IC		8270E		1 mL					
STD1 460-832677/7 IC		8270E							
STD04 460-832677/8 IC		8270E							
STD02 460-832677/9 IC		8270E							

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 Edison Job No.: 460-260852-1

SDG No.:

Batch Number: 832677 Batch Start Date: 03/10/22 10:28 Batch Analyst: Johnston, Mark D

Batch Method: 8270E Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	SV_BNAL5_LVI 00004	SV_BNAL6_LVI 00005	SV_BNAL7_LVI 00004	SV_BNAL8_LVI 00004	SV_BNAL9_LVI 00003	
STD01 460-832677/10 IC		8270E							

Batch Notes	

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 Edison Job No.: 460-260852-1

SDG No.:

Batch Number: 852487 Batch Start Date: 06/28/22 16:00 Batch Analyst: Hu, Youhao

Batch Method: 1311 Batch End Date: 06/29/22 08:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EFD_InitialpH	EFD_AddHClpH>5	VesselNumber	FiltCompDate
LB 460-852487/1		1311, 3510C, 8270E		100.00 g	2000 mL	4.89 SU		28	6/29/22
460-260852-C-2	BHP-FENCE-COMP-S 001	1311, 3510C, 8270E	P	100.10 g	2000 mL	8.23 SU	1.44	21	6/29/22

Lab Sample ID	Client Sample ID	Method Chain	Basis	FiltCompTime	LeachatepH	ExtractFluid	AnalysisComment		
LB 460-852487/1		1311, 3510C, 8270E		0900	4.93 SU	TF1062822	TCLP fluid #1; prep. on 6/28/22; exp. on 12/28/22; pH measured on 6/29/22		
460-260852-C-2	BHP-FENCE-COMP-S 001	1311, 3510C, 8270E	P	1025	5.06 SU	TF1062822	TCLP fluid #1; prep. on 6/28/22; exp. on 12/28/22; pH measured on 6/29/22		

Batch Notes	
Thermometer ID	Min/Max S/NC 187675
Room Temperature Thermometer ID	Ambient ID S72864 Temp 21.7
TCLP Fluid 1 ID	TF1062822 prep on 6/28/22 exp 12/28/22
TCLP Fluid 1 pH	4.93
1N HCl ID	1NHCl TCLP3015 exp on 12/19/22
Filter ID	Enviromental express / 400190 - 1305 - T
Uncorrected Maximum Temperature	22.7 Degrees C
Maximum Temperature	22.7 Degrees C
Uncorrected Minimum Temperature	21.3 Degrees C
Minimum Temperature	21.3 Degrees C

Basis	Basis Description
P	TCLP

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 Edison Job No.: 460-260852-1

SDG No.:

Batch Number: 852633 Batch Start Date: 06/29/22 09:30 Batch Analyst: Huma, Zill E

Batch Method: 3510C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ReceivedpH	FirstAdjustpH	SecondAdjustpH	OP_Benzald_sp 00018
MB 460-852633/1		3510C, 8270E		250 mL	2 mL	7 SU	<2 SU	>12 SU	
LCS 460-852633/2		3510C, 8270E		250 mL	2 mL	7 SU	<2 SU	>12 SU	5 uL
LCSD 460-852633/3		3510C, 8270E		250 mL	2 mL	7 SU	<2 SU	>12 SU	5 uL
LB 460-852487/1-A		3510C, 8270E		250 mL	2 mL	5 SU	<2 SU	>12 SU	
460-260852-C-2-A	BHP-FENCE-COMP-S 001	3510C, 8270E	P	250 mL	2 mL	5 SU	<2 SU	>12 SU	

Lab Sample ID	Client Sample ID	Method Chain	Basis	OP_BNA SPIK 00043	OP_BNASurroga 00023				
MB 460-852633/1		3510C, 8270E			200 uL				
LCS 460-852633/2		3510C, 8270E		200 uL	200 uL				
LCSD 460-852633/3		3510C, 8270E		200 uL	200 uL				
LB 460-852487/1-A		3510C, 8270E			200 uL				
460-260852-C-2-A	BHP-FENCE-COMP-S 001	3510C, 8270E	P		200 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 Edison Job No.: 460-260852-1

SDG No.:

Batch Number: 852633 Batch Start Date: 06/29/22 09:30 Batch Analyst: Huma, Zill E

Batch Method: 3510C Batch End Date:

Batch Notes	
Method/Fraction	3510C_LVI / 8270E
pH Indicator ID	HC-022887
Analyst ID - Extraction	zh
Analyst ID - Spike Analyst	zh
Analyst ID - Spike Witness Analyst	dD
Sufficient Volume for Batch QC	Yes
Acid Used for pH Adjustment ID	276386
Base Used to Adjust pH ID	OP3055
Prep Solvent ID	Methylene Chloride: 962007
Prep Solvent Volume Used	180 mL
Na2SO4 ID	214885
Analyst ID - Concentration	zh
Equipment ID - Concentration 1	31869
Thermometer ID - Concentration 1	31869
Concentration 1 Uncorrected Temperature	35 Degrees C
Concentration 1 Corrected Temperature	35 Degrees C
Vial Lot Number	20046103
Batch Comment	BNA Water

Basis	Basis Description
P	TCLP

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.

Method 8270 DEL

Semivolatile Organics (GC/MS) by Method 8270 (Delaware)

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-260852-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): Rtxi-5Sil M ID: 0.25(mm)

Client Sample ID	Lab Sample ID	NBZ	#	FBP	#	TPHL	#
BHP-HA01-COMP-S001	460-260852-3	86		85		82	
BHP-HA03-COMP-S001	460-260852-7	85		87		98	
BHP-HA03-COMP-S002	460-260852-8	88		88		88	
BHP-HA05-COMP-S001	460-260852-11	56		55		58	
BHP-HA05-COMP-S001 DL	460-260852-11 DL	55	D	52	D	53	D
BHP-HA05-COMP-S001 DL2	460-260852-11 DL2	48	D	48	D	50	D
BHP-HA07-COMP-S001	460-260852-15	66		70		65	
BHP-HA07-COMP-S002	460-260852-16	85		85		85	
BHP-HA08-COMP-S001	460-260852-17	36		37		35	
	MB 460-852750/1-A	85		86		101	
	LCS 460-852750/2-A	83		84		94	
	LCSD 460-852750/3-A	91		90		99	
	460-260962-A-1-G MS	57		57		64	
	460-260962-A-1-H MSD	46		46		51	

	QC LIMITS
NBZ = Nitrobenzene-d5 (Surr)	16-125
FBP = 2-Fluorobiphenyl	22-122
TPHL = Terphenyl-d14 (Surr)	25-126

Column to be used to flag recovery values

FORM II 8270C

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-260852-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: X42507.d

Lab ID: LCS 460-852750/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Acenaphthylene	3330	2940	88	64-120	
Anthracene	3330	3090	93	67-120	
Benzo[a]anthracene	3330	3040	91	62-120	
Benzo[b]fluoranthene	3330	3240	97	70-125	
Benzo[a]pyrene	3330	2940	88	73-123	
Benzo[g,h,i]perylene	3330	3240	97	66-120	
Benzo[k]fluoranthene	3330	3280	98	67-122	
Chrysene	3330	3300	99	63-120	
Dibenz(a,h)anthracene	3330	3310	99	66-128	
Fluoranthene	3330	2980	89	61-120	
Naphthalene	3330	2860	86	63-120	
Phenanthrene	3330	3060	92	66-120	
Pyrene	3330	3390	102	61-121	
Fluorene	3330	3180	95	60-120	
Acenaphthene	3330	2900	87	49-120	
Indeno[1,2,3-cd]pyrene	3330	3400	102	62-130	
2-Chloronaphthalene	3330	3130	94	60-120	
2-Methylnaphthalene	3330	2580	77	64-120	

Column to be used to flag recovery and RPD values

FORM III 8270C

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-260852-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: X42508.d

Lab ID: LCSD 460-852750/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Acenaphthylene	3330	3210	96	9	30	64-120	
Anthracene	3330	3370	101	9	30	67-120	
Benzo[a]anthracene	3330	3410	102	11	30	62-120	
Benzo[b]fluoranthene	3330	3410	102	5	30	70-125	
Benzo[a]pyrene	3330	3190	96	8	30	73-123	
Benzo[g,h,i]perylene	3330	3440	103	6	30	66-120	
Benzo[k]fluoranthene	3330	3640	109	10	30	67-122	
Chrysene	3330	3350	100	1	30	63-120	
Dibenz(a,h)anthracene	3330	3550	107	7	30	66-128	
Fluoranthene	3330	3200	96	7	30	61-120	
Naphthalene	3330	3130	94	9	30	63-120	
Phenanthrene	3330	3320	99	8	30	66-120	
Pyrene	3330	3560	107	5	30	61-121	
Fluorene	3330	3440	103	8	30	60-120	
Acenaphthene	3330	3190	96	10	30	49-120	
Indeno[1,2,3-cd]pyrene	3330	3590	108	5	30	62-130	
2-Chloronaphthalene	3330	3350	100	7	30	60-120	
2-Methylnaphthalene	3330	2820	85	9	30	64-120	

Column to be used to flag recovery and RPD values

FORM III 8270C

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-260852-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: X42510.d

Lab ID: 460-260962-A-1-G MS Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Acenaphthylene	4340	12 U	2650	61	64-120	F1
Anthracene	4340	13 U	2760	64	67-120	F1
Benzo[a]anthracene	4340	15 U	2790	64	62-120	
Benzo[b]fluoranthene	4340	11 U	2900	67	70-125	F1
Benzo[a]pyrene	4340	11 U	2620	60	73-123	F1
Benzo[g,h,i]perylene	4340	13 U	2770	64	66-120	F1
Benzo[k]fluoranthene	4340	8.4 U	2870	66	67-122	F1
Chrysene	4340	7.8 J	2780	64	63-120	
Dibenz(a,h)anthracene	4340	19 U	2890	67	66-128	
Fluoranthene	4340	15 U	2630	61	61-120	
Naphthalene	4340	7.4 U	2610	60	63-120	F1
Phenanthrene	4340	7.6 U	2780	64	66-120	F1
Pyrene	4340	14 J	3020	69	61-121	
Fluorene	4340	13 U	2870	66	60-120	
Acenaphthene	4340	12 U	2590	60	49-120	
Indeno[1,2,3-cd]pyrene	4340	17 U	2950	68	62-130	
2-Chloronaphthalene	4340	20 U	2800	65	60-120	
2-Methylnaphthalene	4340	12 U	2360	54	64-120	F1

Column to be used to flag recovery and RPD values

FORM III 8270C

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-260852-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: X42511.d

Lab ID: 460-260962-A-1-H MSD Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Acenaphthylene	4340	2090	48	23	30	64-120	F1
Anthracene	4340	2180	50	24	30	67-120	F1
Benzo[a]anthracene	4340	2230	51	22	30	62-120	F1
Benzo[b]fluoranthene	4340	2220	51	26	30	70-125	F1
Benzo[a]pyrene	4340	2020	47	26	30	73-123	F1
Benzo[g,h,i]perylene	4340	2170	50	24	30	66-120	F1
Benzo[k]fluoranthene	4340	2220	51	26	30	67-122	F1
Chrysene	4340	2180	50	24	30	63-120	F1
Dibenz(a,h)anthracene	4340	2260	52	25	30	66-128	F1
Fluoranthene	4340	2060	48	24	30	61-120	F1
Naphthalene	4340	2080	48	22	30	63-120	F1
Phenanthrene	4340	2140	49	26	30	66-120	F1
Pyrene	4340	2360	54	25	30	61-121	F1
Fluorene	4340	2290	53	23	30	60-120	F1
Acenaphthene	4340	2060	48	23	30	49-120	F1
Indeno[1,2,3-cd]pyrene	4340	2270	52	26	30	62-130	F1
2-Chloronaphthalene	4340	2200	51	24	30	60-120	F1
2-Methylnaphthalene	4340	1870	43	24	30	64-120	F1

Column to be used to flag recovery and RPD values

FORM III 8270C

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Edison Job No.: 460-260852-1

SDG No.:

Lab File ID: X42506.d Lab Sample ID: MB 460-852750/1-A

Matrix: Solid Date Extracted: 06/29/2022 17:17

Instrument ID: CBNAMS5 Date Analyzed: 06/29/2022 23:11

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-852750/2-A	X42507.d	06/29/2022 23:34
	LCSD 460-852750/3-A	X42508.d	06/29/2022 23:58
	460-260962-A-1-G MS	X42510.d	06/30/2022 00:45
	460-260962-A-1-H MSD	X42511.d	06/30/2022 01:08
BHP-HA03-COMP-S001	460-260852-7	X42513.d	06/30/2022 01:55
BHP-HA08-COMP-S001	460-260852-17	X42514.d	06/30/2022 02:19
BHP-HA03-COMP-S002	460-260852-8	X42515.d	06/30/2022 02:42
BHP-HA05-COMP-S001	460-260852-11	X42516.d	06/30/2022 03:06
BHP-HA07-COMP-S001	460-260852-15	X42517.d	06/30/2022 03:29
BHP-HA07-COMP-S002	460-260852-16	X42518.d	06/30/2022 03:53
BHP-HA01-COMP-S001	460-260852-3	X42534.d	06/30/2022 10:09
BHP-HA05-COMP-S001 DL	460-260852-11 DL	f463641.D	06/30/2022 21:17
BHP-HA05-COMP-S001 DL2	460-260852-11 DL2	f463643.D	06/30/2022 21:52

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Edison Job No.: 460-260852-1

SDG No.:

Lab File ID: f460644.D DFTPP Injection Date: 03/30/2022

Instrument ID: CBNAMS15 DFTPP Injection Time: 08:25

Analysis Batch No.: 836322

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2% of mass 69	0.7 (1.5) 1
69	Mass 69 Relative abundance	43.4
70	Less than 2% of mass 69	0.2 (0.6) 1
197	Less than 2% of mass 198	0.0
198	Base peak	100.0
199	5-9% of mass 198	7.1
365	Greater than 1% of mass 198	3.7
441	present but less than 24% of mass 442	20.1 (15.7) 2
442	Greater than 50% of mass 198	128.0
443	15-24% of mass 442	24.3 (19.0) 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
	ICIS 460-836322/2	f460645.D	03/30/2022	8:33
	STD120 460-836322/3	f460646.D	03/30/2022	8:51
	STD80 460-836322/4	f460647.D	03/30/2022	9:08
	STD20 460-836322/5	f460648.D	03/30/2022	9:25
	STD10 460-836322/6	f460649.D	03/30/2022	9:42
	STD5 460-836322/7	f460650.D	03/30/2022	10:00
	STD2 460-836322/8	f460651.D	03/30/2022	10:17
	STD1 460-836322/9	f460652.D	03/30/2022	10:34
	STD05 460-836322/10	f460653.D	03/30/2022	10:52
	ICV 460-836322/11	f460654.D	03/30/2022	11:09

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Edison Job No.: 460-260852-1

SDG No.:

Lab File ID: X41873.d DFTPP Injection Date: 06/03/2022

Instrument ID: CBNAMS5 DFTPP Injection Time: 06:01

Analysis Batch No.: 847814

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
68	Less than 2% of mass 69	0.7	(1.7) 1
69	Mass 69 Relative abundance	40.2	
70	Less than 2% of mass 69	0.2	(0.6) 1
197	Less than 2% of mass 198	0.0	
198	Base peak	100.0	
199	5-9% of mass 198	7.0	
365	Greater than 1% of mass 198	4.3	
441	present but less than 24% of mass 442	25.6	(15.8) 2
442	Greater than 50% of mass 198	162.2	
443	15-24% of mass 442	32.0	(19.7) 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
	ICIS 460-847814/2	X41874.d	06/03/2022	6:21
	STD120 460-847814/3	X41875.d	06/03/2022	6:44
	STD80 460-847814/4	X41876.d	06/03/2022	7:08
	STD20 460-847814/5	X41877.d	06/03/2022	7:31
	STD10 460-847814/6	X41878.d	06/03/2022	7:55
	STD5 460-847814/7	X41879.d	06/03/2022	8:19
	STD2 460-847814/8	X41880.d	06/03/2022	8:42
	STD1 460-847814/9	X41881.d	06/03/2022	9:06
	STD05 460-847814/10	X41882.d	06/03/2022	9:29
	ICV 460-847814/11	X41883.d	06/03/2022	9:53

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Edison Job No.: 460-260852-1

SDG No.:

Sample No.: ICIS 460-836322/2 Date Analyzed: 03/30/2022 08:33

Instrument ID: CBNAMS15 GC Column: Rtxi-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): f460645.D Heated Purge: (Y/N) N

Calibration ID: 90147

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		150237	3.31	587248	4.27	320214	5.61
UPPER LIMIT		300474	3.81	1174496	4.77	640428	6.11
LOWER LIMIT		75119	2.81	293624	3.77	160107	5.11
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 460-836322/11		153759	3.31	603824	4.27	333827	5.61

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 8270C

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Edison Job No.: 460-260852-1

SDG No.:

Sample No.: ICIS 460-836322/2 Date Analyzed: 03/30/2022 08:33

Instrument ID: CBNAMS15 GC Column: Rtxi-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): f460645.D Heated Purge: (Y/N) N

Calibration ID: 90147

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		579263	6.73	529974	8.78	553160	10.19
UPPER LIMIT		1158526	7.23	1059948	9.28	1106320	10.69
LOWER LIMIT		289632	6.23	264987	8.28	276580	9.69
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 460-836322/11		598302	6.73	556655	8.77	579379	10.17

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 8270C

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Edison Job No.: 460-260852-1

SDG No.:

Sample No.: CCVIS 460-852915/2 Date Analyzed: 06/30/2022 10:57

Instrument ID: CBNAMS15 GC Column: Rtxi-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): f463605.D Heated Purge: (Y/N) N

Calibration ID: 90147

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		211219	3.33	812395	4.30	451497	5.64
UPPER LIMIT		422438	3.83	1624790	4.80	902994	6.14
LOWER LIMIT		105610	2.83	406198	3.80	225749	5.14
LAB SAMPLE ID	CLIENT SAMPLE ID						
460-260852-11 DL	BHP-HA05-COMP-S001 DL	162176	3.32	636738	4.29	366574	5.64
460-260852-11 DL2	BHP-HA05-COMP-S001 DL2	163308	3.32	620667	4.29	350663	5.64
CCV 460-852915/41		202455	3.32	795482	4.29	440539	5.64

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 8270C

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Edison Job No.: 460-260852-1

SDG No.:

Sample No.: CCVIS 460-852915/2 Date Analyzed: 06/30/2022 10:57

Instrument ID: CBNAMS15 GC Column: Rtxi-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): f463605.D Heated Purge: (Y/N) N

Calibration ID: 90147

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		873467	6.77	855273	8.83	879059	10.25
UPPER LIMIT		1746934	7.27	1710546	9.33	1758118	10.75
LOWER LIMIT		436734	6.27	427637	8.33	439530	9.75
LAB SAMPLE ID	CLIENT SAMPLE ID						
460-260852-11 DL	BHP-HA05-COMP-S001 DL	695329	6.76	713498	8.82	767810	10.25
460-260852-11 DL2	BHP-HA05-COMP-S001 DL2	673853	6.76	679995	8.82	727369	10.24
CCV 460-852915/41		843410	6.76	836128	8.82	872014	10.25

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 8270C

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Edison Job No.: 460-260852-1

SDG No.:

Sample No.: ICIS 460-847814/2 Date Analyzed: 06/03/2022 06:21

Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): X41874.d Heated Purge: (Y/N) N

Calibration ID: 90648

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		222876	4.43	820297	5.65	409262	7.31
UPPER LIMIT		445752	4.93	1640594	6.15	818524	7.81
LOWER LIMIT		111438	3.93	410149	5.15	204631	6.81
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 460-847814/11		197086	4.43	741242	5.65	367893	7.31

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 8270C

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Edison Job No.: 460-260852-1

SDG No.:

Sample No.: ICIS 460-847814/2 Date Analyzed: 06/03/2022 06:21

Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): X41874.d Heated Purge: (Y/N) N

Calibration ID: 90648

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		752163	8.71	682430	11.35	829084	13.24
UPPER LIMIT		1504326	9.21	1364860	11.85	1658168	13.74
LOWER LIMIT		376082	8.21	341215	10.85	414542	12.74
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 460-847814/11		658712	8.70	590501	11.34	720208	13.23

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 8270C

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Edison Job No.: 460-260852-1

SDG No.:

Sample No.: CCVIS 460-852810/2 Date Analyzed: 06/29/2022 22:23

Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): X42504.d Heated Purge: (Y/N) N

Calibration ID: 90648

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		157330	4.30	610118	5.52	317526	7.18
UPPER LIMIT		314660	4.80	1220236	6.02	635052	7.68
LOWER LIMIT		78665	3.80	305059	5.02	158763	6.68
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 460-852750/1-A		119494	4.30	454842	5.52	226319	7.18
LCS 460-852750/2-A		138791	4.30	524187	5.52	258420	7.18
LCSD 460-852750/3-A		125642	4.30	478182	5.52	233005	7.18
460-260962-A-1-G MS		143950	4.30	555037	5.52	273695	7.18
460-260962-A-1-H MSD		129018	4.30	496795	5.52	250445	7.18
460-260852-7	BHP-HA03-COMP-S001	133917	4.30	514915	5.52	252513	7.18
460-260852-17	BHP-HA08-COMP-S001	147338	4.30	555771	5.52	259272	7.19
460-260852-8	BHP-HA03-COMP-S002	123992	4.30	463730	5.52	220184	7.18
460-260852-11	BHP-HA05-COMP-S001	158866	4.31	578994	5.52	276558	7.19
460-260852-15	BHP-HA07-COMP-S001	150462	4.31	551040	5.52	257684	7.19
460-260852-16	BHP-HA07-COMP-S002	147805	4.31	566774	5.52	281293	7.19
460-260852-3	BHP-HA01-COMP-S001	152390	4.31	554845	5.52	261444	7.19
CCV 460-852810/33		182114	4.31	731562	5.53	380349	7.19

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 8270C

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Edison Job No.: 460-260852-1

SDG No.:

Sample No.: CCVIS 460-852810/2 Date Analyzed: 06/29/2022 22:23

Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): X42504.d Heated Purge: (Y/N) N

Calibration ID: 90648

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		598956	8.58	554565	11.19	650585	13.05
UPPER LIMIT		1197912	9.08	1109130	11.69	1301170	13.55
LOWER LIMIT		299478	8.08	277283	10.69	325293	12.55
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 460-852750/1-A		427953	8.58	345382	11.18	380999	13.04
LCS 460-852750/2-A		462378	8.58	375925	11.19	433664	13.04
LCSD 460-852750/3-A		418573	8.58	346802	11.19	396528	13.04
460-260962-A-1-G MS		481667	8.58	386545	11.19	437593	13.05
460-260962-A-1-H MSD		466273	8.58	384104	11.19	450717	13.05
460-260852-7	BHP-HA03-COMP-S001	446728	8.58	351414	11.19	420846	13.05
460-260852-17	BHP-HA08-COMP-S001	489938	8.59	437863	11.20	540422	13.07
460-260852-8	BHP-HA03-COMP-S002	382915	8.58	335492	11.19	425974	13.05
460-260852-11	BHP-HA05-COMP-S001	507473	8.59	433970	11.22	539529	13.09
460-260852-15	BHP-HA07-COMP-S001	458501	8.59	411164	11.19	499979	13.06
460-260852-16	BHP-HA07-COMP-S002	505476	8.59	463068	11.19	549034	13.06
460-260852-3	BHP-HA01-COMP-S001	459371	8.59	436953	11.20	458274	13.06
CCV 460-852810/33		700540	8.59	650403	11.20	696437	13.07

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 8270C

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-260852-1

SDG No.:

Client Sample ID: BHP-HA01-COMP-S001 | Lab Sample ID: 460-260852-3

Matrix: Solid | Lab File ID: X42534.d

Analysis Method: 8270C | Date Collected: 06/23/2022 11:00

Extract. Method: 3546 | Date Extracted: 06/29/2022 17:17

Sample wt/vol: 15.00(g) | Date Analyzed: 06/30/2022 10:09

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: 23.8 % Solids: 76.2 | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 852810 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
208-96-8	Acenaphthylene	160	J	430	12
120-12-7	Anthracene	690		430	13
56-55-3	Benzo[a]anthracene	1100		43	15
205-99-2	Benzo[b]fluoranthene	1400		43	11
50-32-8	Benzo[a]pyrene	930		43	12
191-24-2	Benzo[g,h,i]perylene	400	J	430	13
207-08-9	Benzo[k]fluoranthene	470		43	8.5
218-01-9	Chrysene	1100		430	7.3
53-70-3	Dibenz(a,h)anthracene	110		43	19
206-44-0	Fluoranthene	2700		430	15
91-20-3	Naphthalene	160	J	430	7.5
85-01-8	Phenanthrene	2800		430	7.6
129-00-0	Pyrene	2300		430	11
86-73-7	Fluorene	290	J	430	13
83-32-9	Acenaphthene	230	J	430	12
193-39-5	Indeno[1,2,3-cd]pyrene	490		43	17
91-58-7	2-Chloronaphthalene	29	J	430	20
91-57-6	2-Methylnaphthalene	100	J	430	12

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	85		22-122
4165-60-0	Nitrobenzene-d5 (Surr)	86		16-125
1718-51-0	Terphenyl-d14 (Surr)	82		25-126

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42534.d
Lims ID: 460-260852-A-3-D
Client ID: BHP-HA01-COMP-S001
Sample Type: Client
Inject. Date: 30-Jun-2022 10:09:30 ALS Bottle#: 32 Worklist Smp#: 32
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0147251-032
Operator ID: Instrument ID: CBNAMS5

Method: \\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\8270_5R.m
Limit Group: SV 8270 DEL ICAL
Last Update: 01-Jul-2022 08:51:33 Calib Date: 03-Jun-2022 09:29:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS5\20220602-146048.b\X41882.d

Column 1 : Det: MS SCAN
Process Host: CTX1656

First Level Reviewer: LKI7 Date: 30-Jun-2022 11:55:45

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 14 1,4-Dichlorobenzene-d4	152	4.310	4.304	0.006	98	152390	40.0	
$ 26 Nitrobenzene-d5	82	4.839	4.840	-0.001	91	254171	43.2	
* 38 Naphthalene-d8	136	5.522	5.522	0.000	99	554845	40.0	
39 Naphthalene	128	5.539	5.540	-0.001	97	25904	1.81	
44 2-Methylnaphthalene	142	6.204	6.198	0.006	81	11095	1.17	
$ 51 2-Fluorobiphenyl	172	6.551	6.551	0.000	97	431659	42.7	
53 2-Chloronaphthalene	162	6.663	6.663	0.000	91	2529	0.3288	
61 Acenaphthylene	152	7.051	7.051	0.000	96	23158	1.83	
* 65 Acenaphthene-d10	164	7.186	7.181	0.005	97	261444	40.0	
67 Acenaphthene	154	7.216	7.216	0.000	59	19196	2.59	
75 Fluorene	166	7.704	7.698	0.006	89	27685	3.32	
* 88 Phenanthrene-d10	188	8.586	8.581	0.005	99	459371	40.0	
89 Phenanthrene	178	8.610	8.604	0.006	97	382994	31.6	
90 Anthracene	178	8.657	8.651	0.006	98	98580	7.91	
93 Fluoranthene	202	9.733	9.728	0.005	97	408705	31.0	
95 Pyrene	202	9.945	9.939	0.006	95	362946	25.9	
$ 96 Terphenyl-d14	244	10.104	10.098	0.006	97	514937	41.2	
101 Benzo[a]anthracene	228	11.186	11.175	0.011	90	175087	12.9	
* 102 Chrysene-d12	240	11.198	11.186	0.012	98	436953	40.0	
103 Chrysene	228	11.227	11.216	0.011	88	163349	13.0	
106 Benzo[b]fluoranthene	252	12.539	12.522	0.017	97	199714	15.5	M
107 Benzo[k]fluoranthene	252	12.568	12.562	0.005	1	69385	5.35	M
108 Benzo[a]pyrene	252	12.980	12.969	0.011	95	131252	10.6	
* 109 Perylene-d12	264	13.062	13.045	0.017	98	458274	40.0	
110 Indeno[1,2,3-cd]pyrene	276	14.598	14.580	0.018	99	71220	5.64	
111 Dibenz(a,h)anthracene	278	14.633	14.621	0.012	33	17477	1.31	a
112 Benzo[g,h,i]perylene	276	15.015	14.998	0.017	91	62619	4.54	

QC Flag Legend
Processing Flags

Review Flags
M - Manually Integrated
a - User Assigned ID

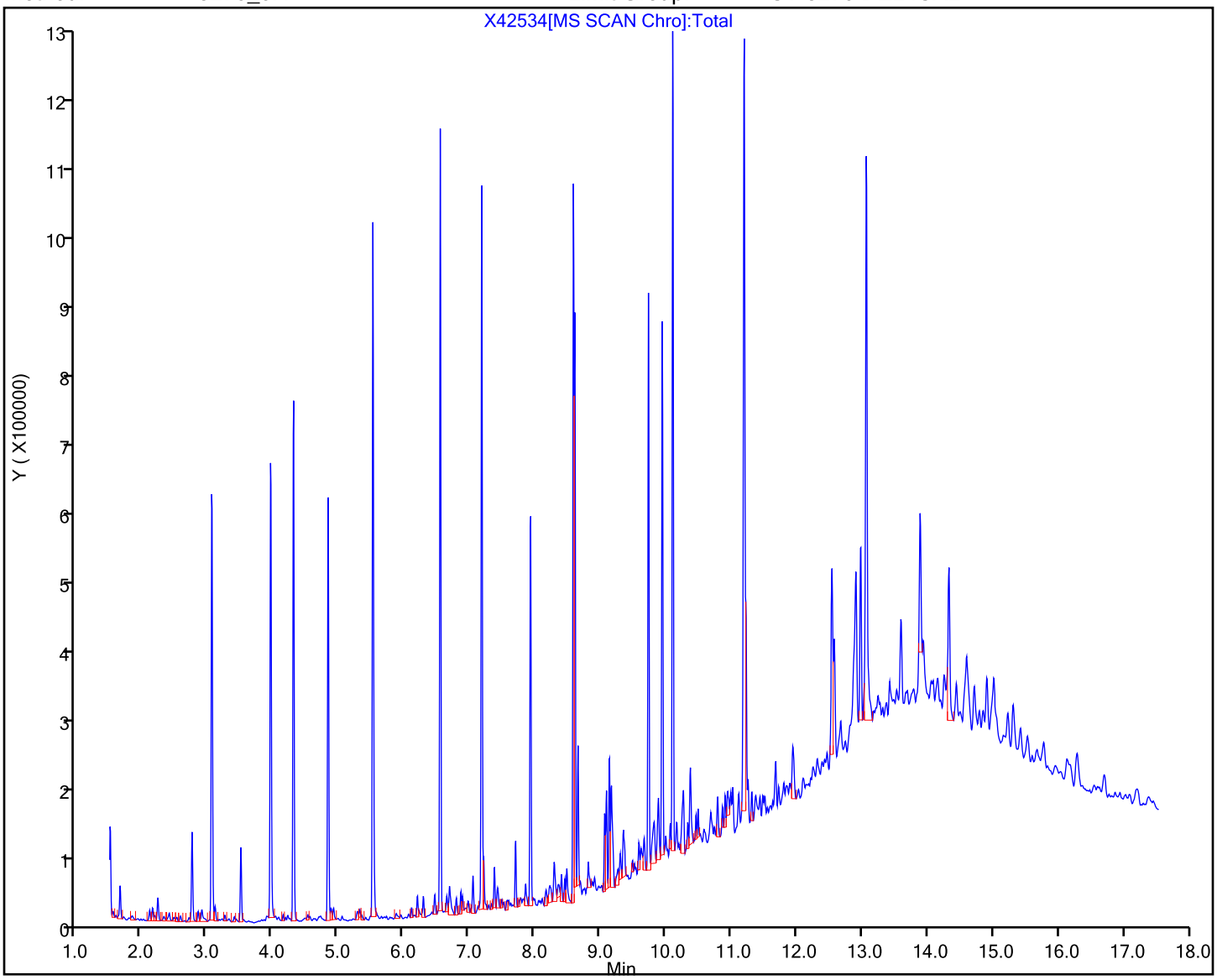
Reagents:

SM_ISTD_00196 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 01-Jul-2022 08:53:56 Chrom Revision: 2.3 20-Jun-2022 20:10:40

Eurofins Edison

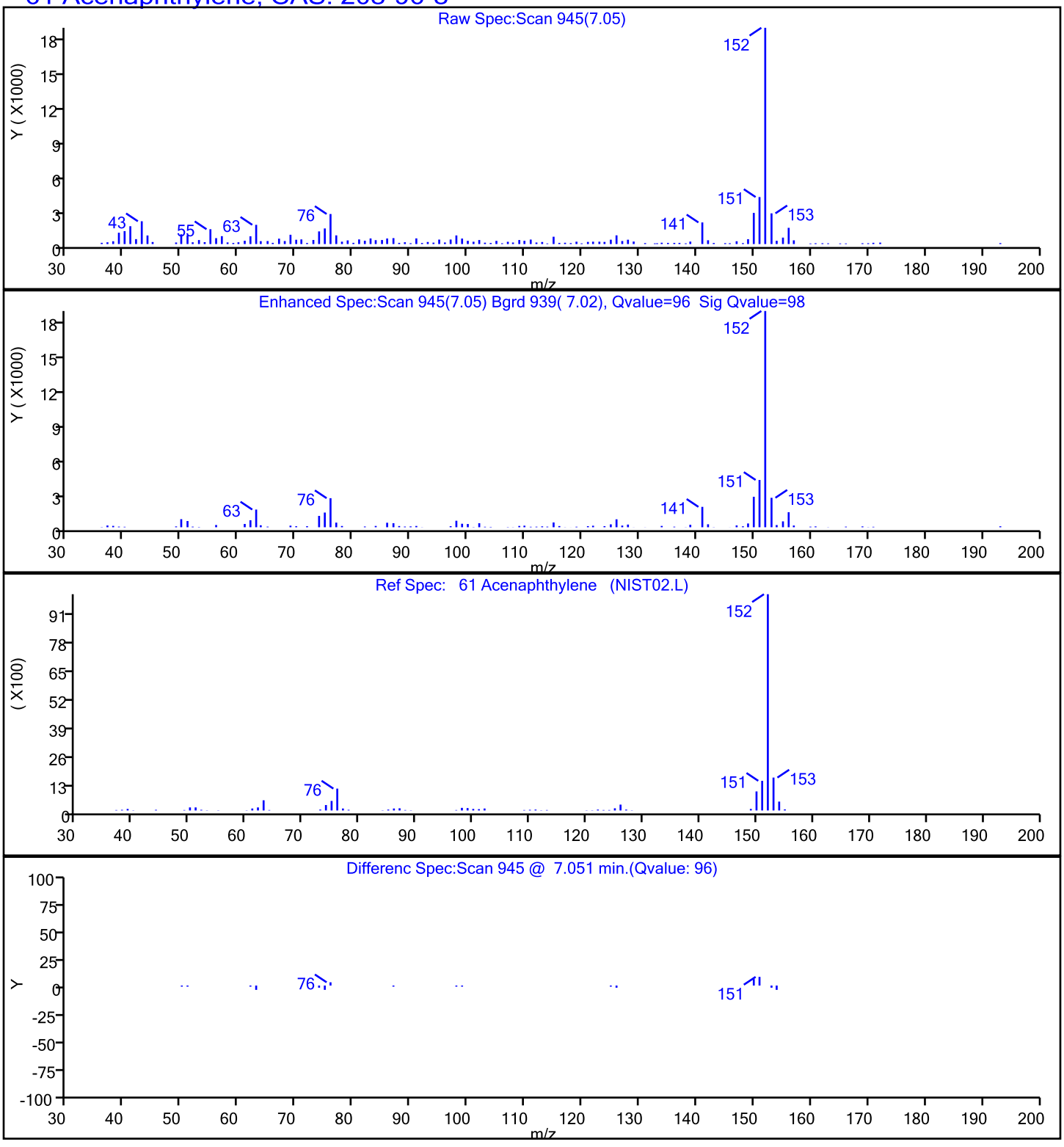
Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42534.d				
Injection Date:	30-Jun-2022 10:09:30	Instrument ID:	CBNAMS5		
Lims ID:	460-260852-A-3-D	Lab Sample ID:	460-260852-3		
Client ID:	BHP-HA01-COMP-S001				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42534.d				
Injection Date:	30-Jun-2022 10:09:30	Instrument ID:	CBNAMS5		
Lims ID:	460-260852-A-3-D	Lab Sample ID:	460-260852-3		
Client ID:	BHP-HA01-COMP-S001				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

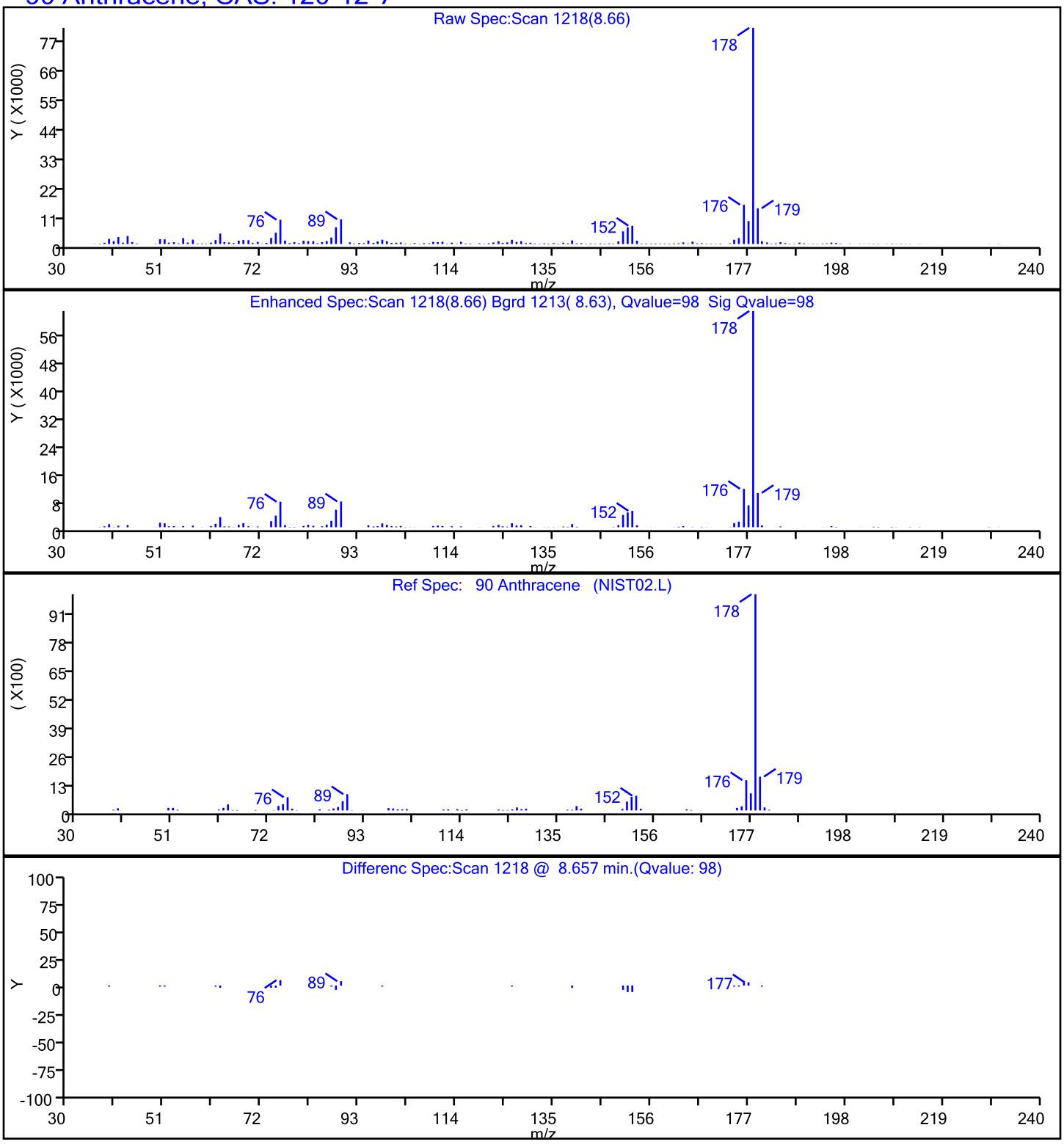
61 Acenaphthylene, CAS: 208-96-8



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42534.d				
Injection Date:	30-Jun-2022 10:09:30	Instrument ID:	CBNAMS5		
Lims ID:	460-260852-A-3-D	Lab Sample ID:	460-260852-3		
Client ID:	BHP-HA01-COMP-S001				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

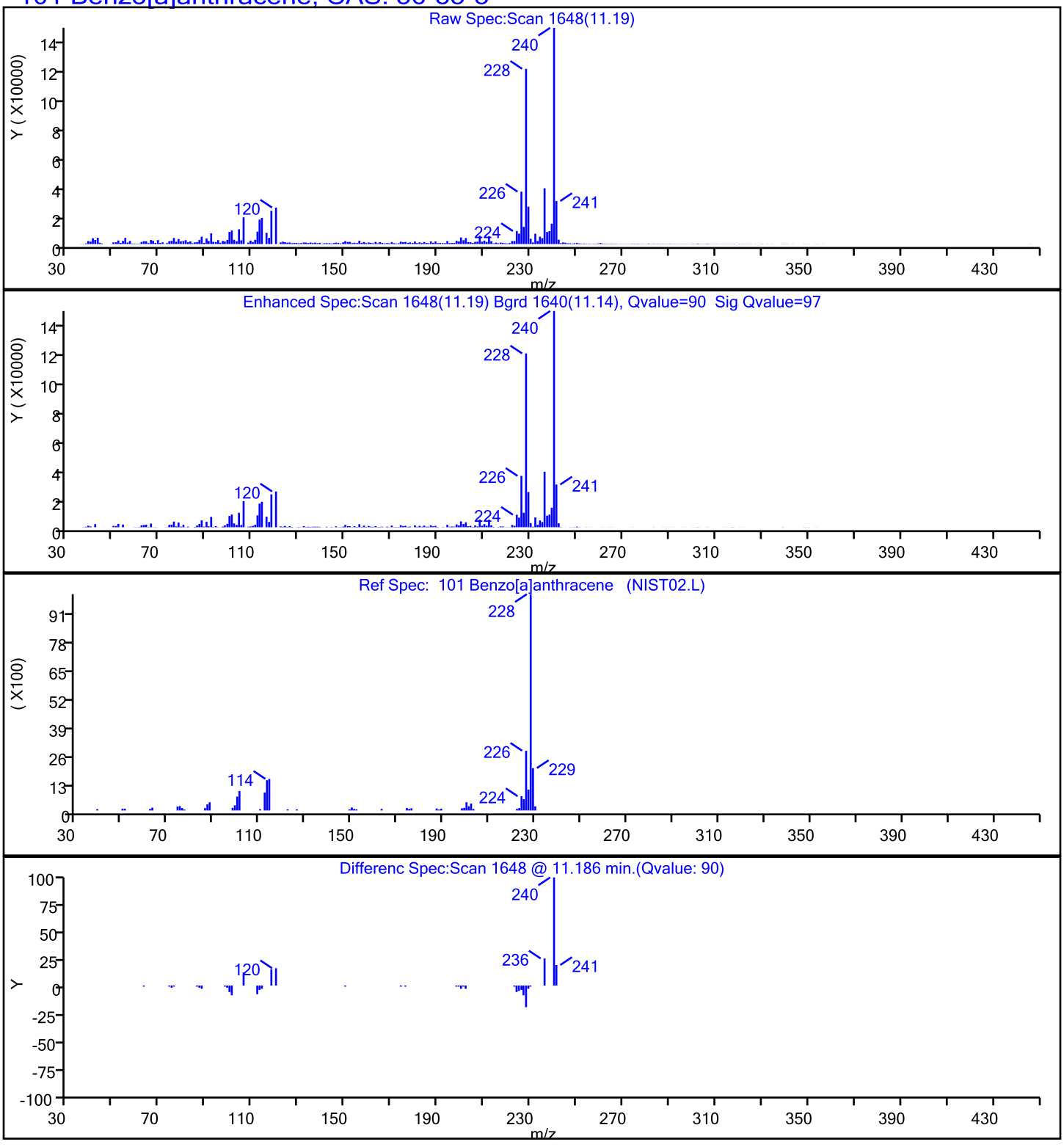
90 Anthracene, CAS: 120-12-7



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42534.d				
Injection Date:	30-Jun-2022 10:09:30	Instrument ID:	CBNAMS5		
Lims ID:	460-260852-A-3-D	Lab Sample ID:	460-260852-3		
Client ID:	BHP-HA01-COMP-S001				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

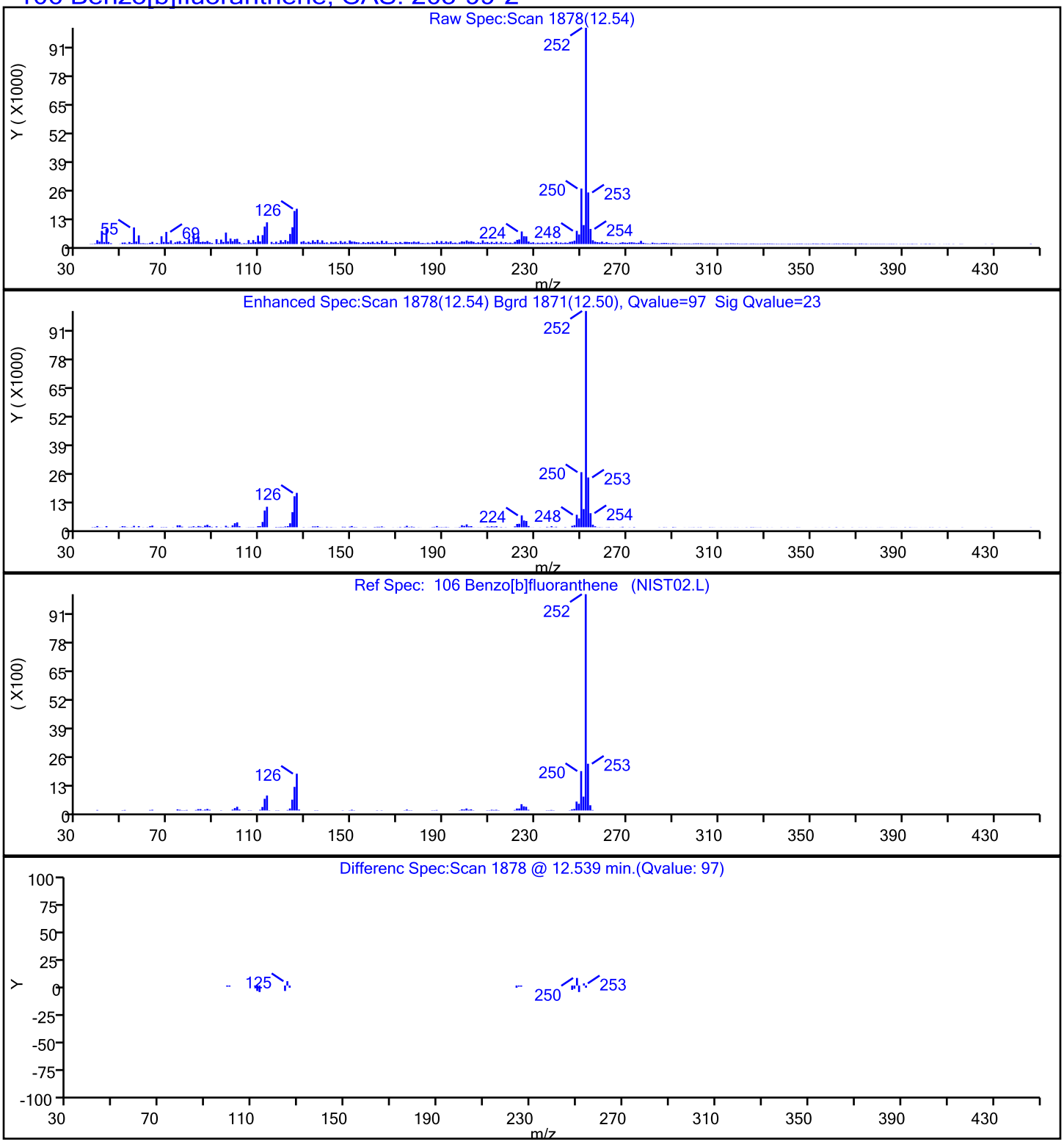
101 Benzo[a]anthracene, CAS: 56-55-3



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42534.d				
Injection Date:	30-Jun-2022 10:09:30	Instrument ID:	CBNAMS5		
Lims ID:	460-260852-A-3-D	Lab Sample ID:	460-260852-3		
Client ID:	BHP-HA01-COMP-S001				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

106 Benzo[b]fluoranthene, CAS: 205-99-2

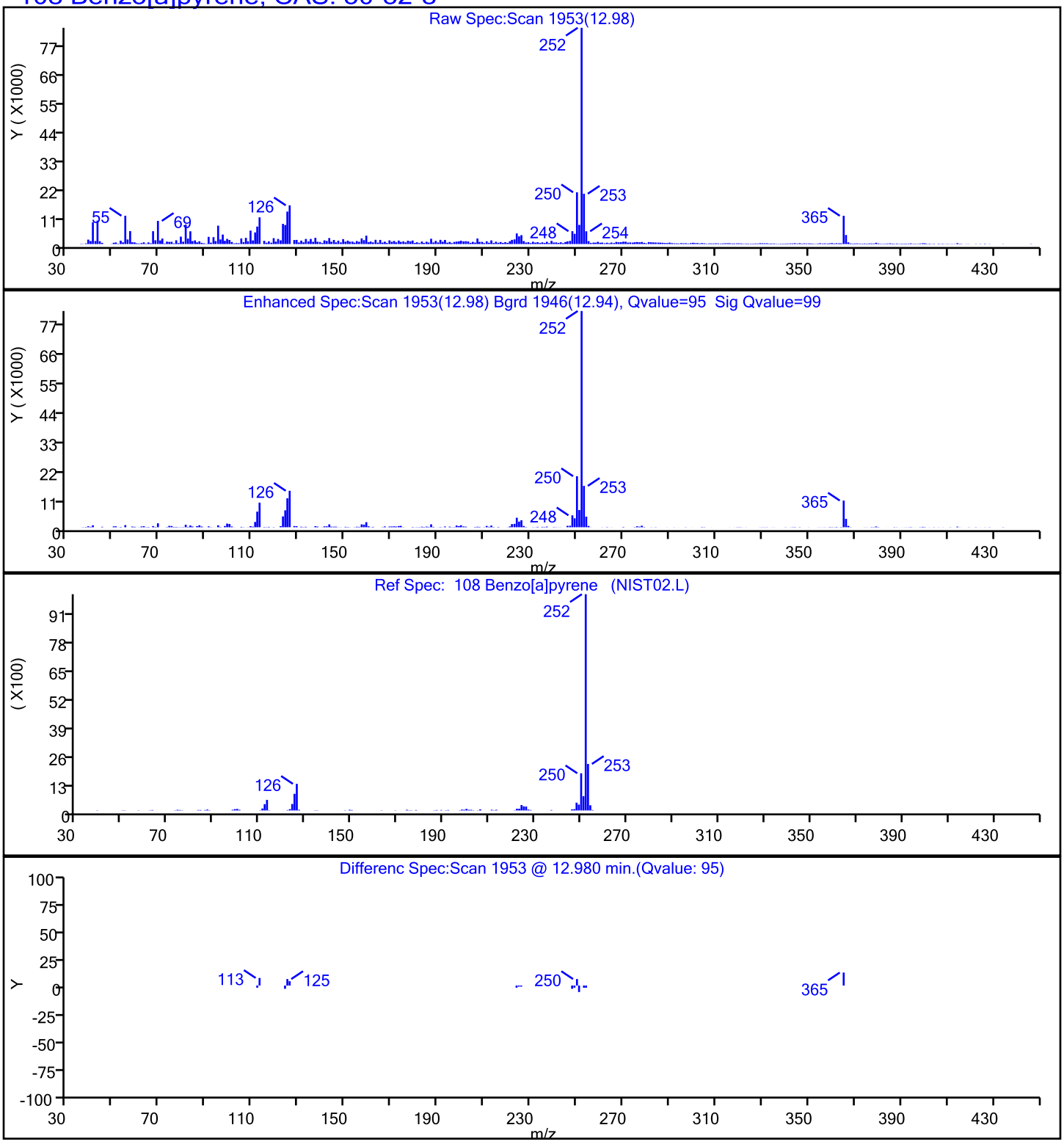


Report Date: 01-Jul-2022 08:53:57 Chrom Revision: 2.3 20-Jun-2022 20:10:40

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42534.d				
Injection Date:	30-Jun-2022 10:09:30	Instrument ID:	CBNAMS5		
Lims ID:	460-260852-A-3-D	Lab Sample ID:	460-260852-3		
Client ID:	BHP-HA01-COMP-S001				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

108 Benzo[a]pyrene, CAS: 50-32-8



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42534.d				
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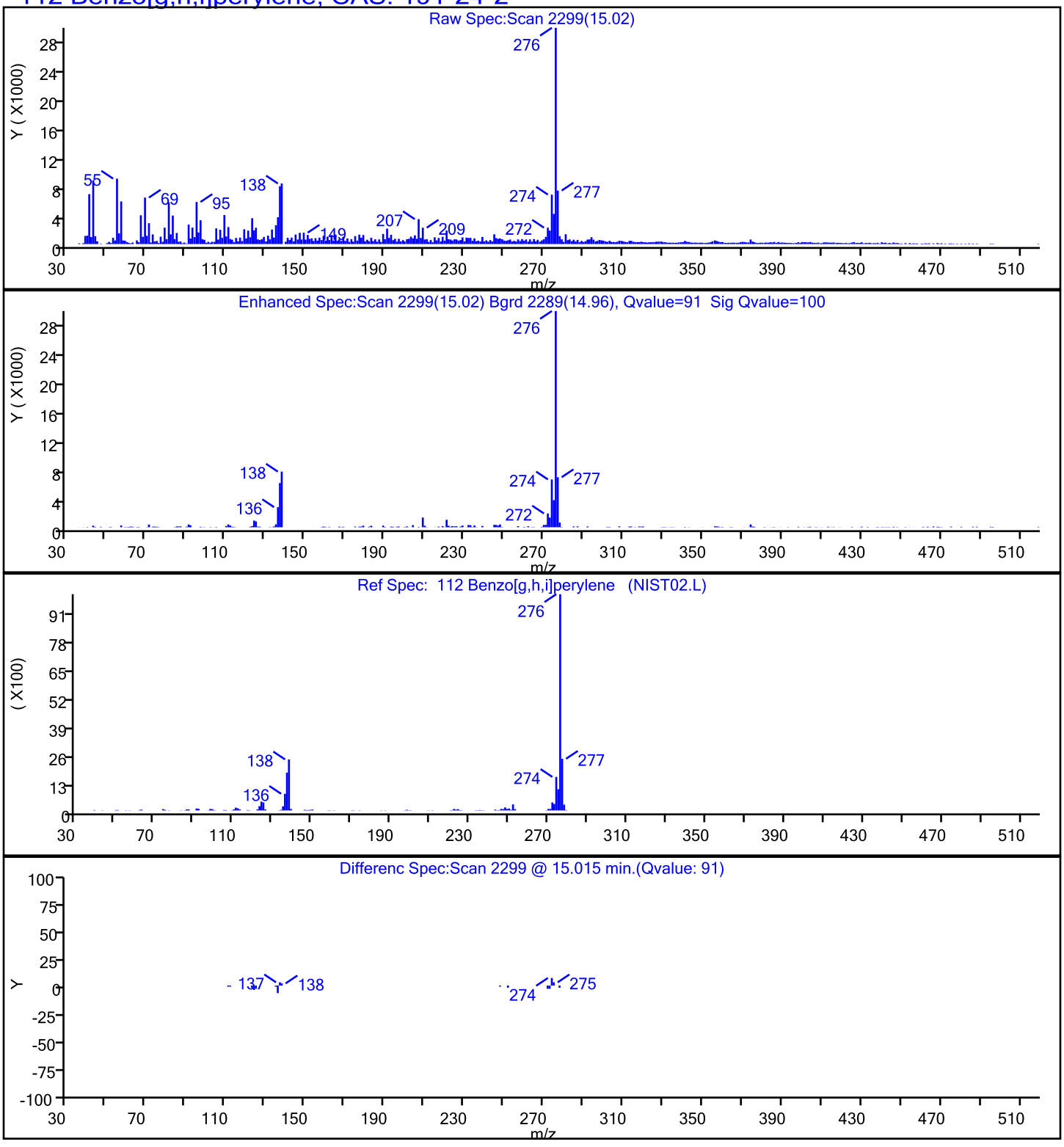
Lims ID:	460-260852-A-3-D	Lab Sample ID:	460-260852-3		
Client ID:	BHP-HA01-COMP-S001				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

112 Benzo[g,h,i]perylene, CAS: 191-24-2



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42534.d				
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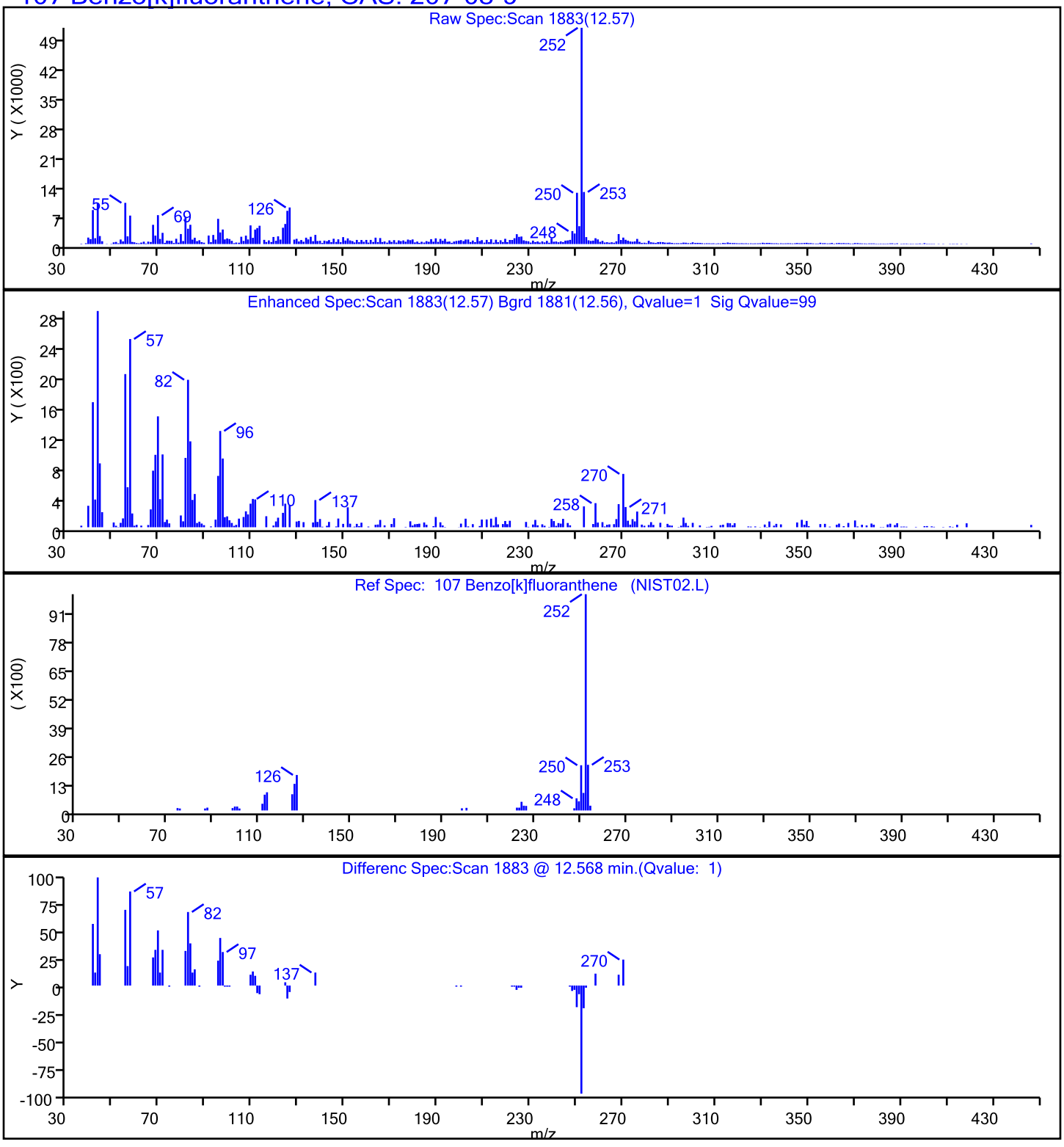
Lims ID:	460-260852-A-3-D	Lab Sample ID:	460-260852-3		
Client ID:	BHP-HA01-COMP-S001				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

107 Benzo[k]fluoranthene, CAS: 207-08-9



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42534.d				
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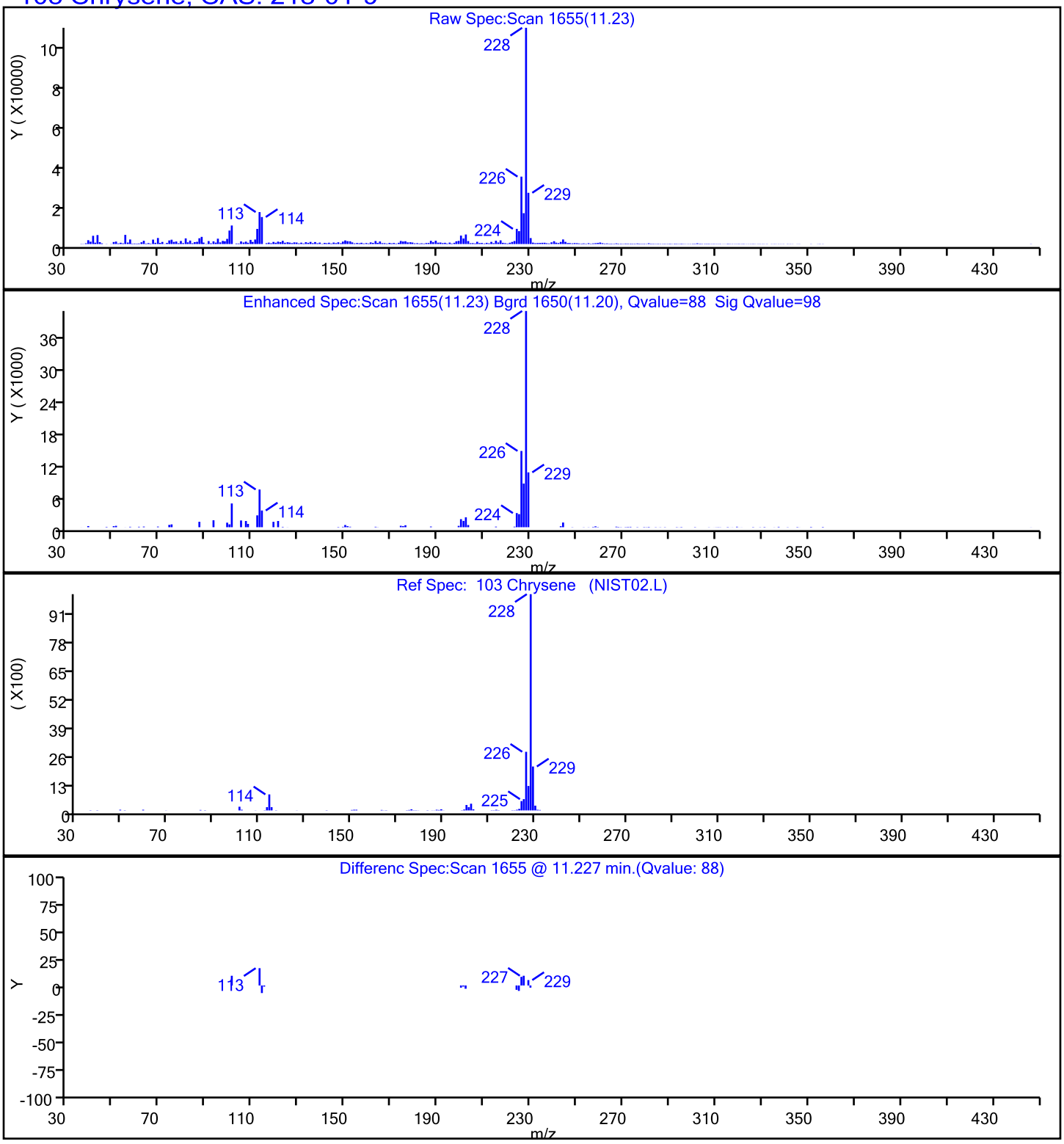
Lims ID:	460-260852-A-3-D	Lab Sample ID:	460-260852-3		
Client ID:	BHP-HA01-COMP-S001				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

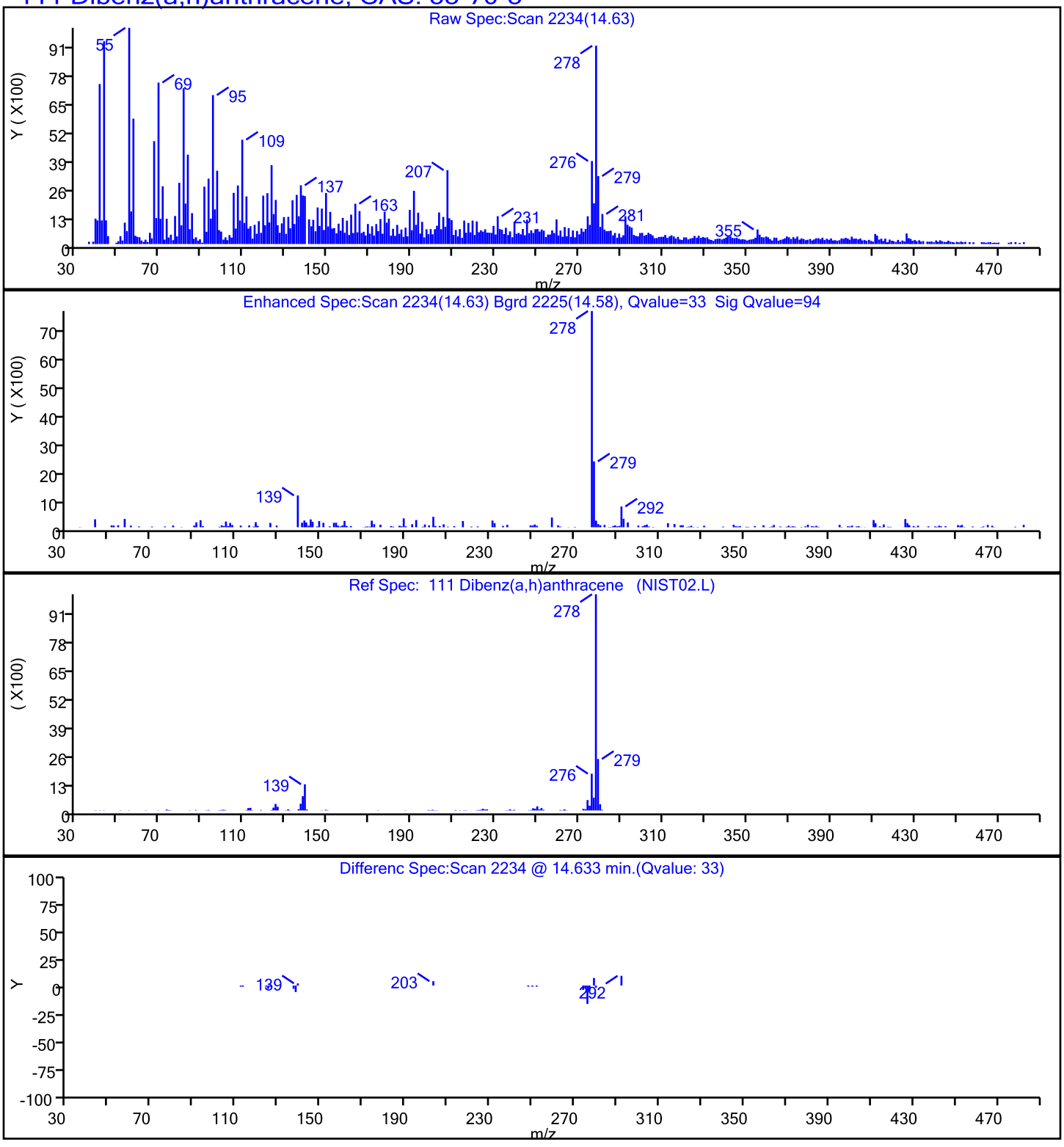
103 Chrysene, CAS: 218-01-9



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42534.d				
Injection Date:	30-Jun-2022 10:09:30	Instrument ID:	CBNAMS5		
Lims ID:	460-260852-A-3-D	Lab Sample ID:	460-260852-3		
Client ID:	BHP-HA01-COMP-S001				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

111 Dibenz(a,h)anthracene, CAS: 53-70-3



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42534.d				
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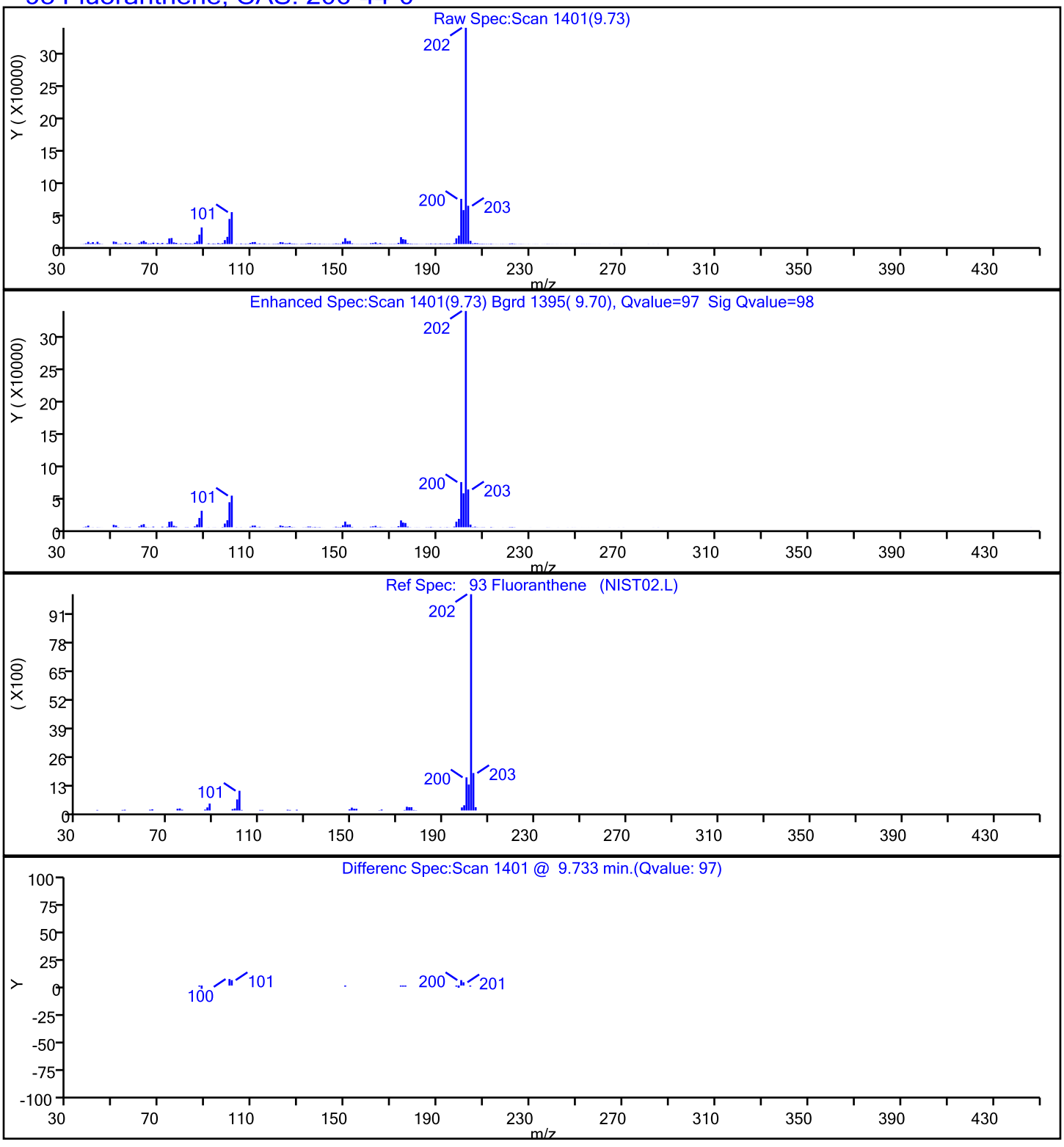
Lims ID:	460-260852-A-3-D	Lab Sample ID:	460-260852-3		
Client ID:	BHP-HA01-COMP-S001				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

93 Fluoranthene, CAS: 206-44-0



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42534.d				
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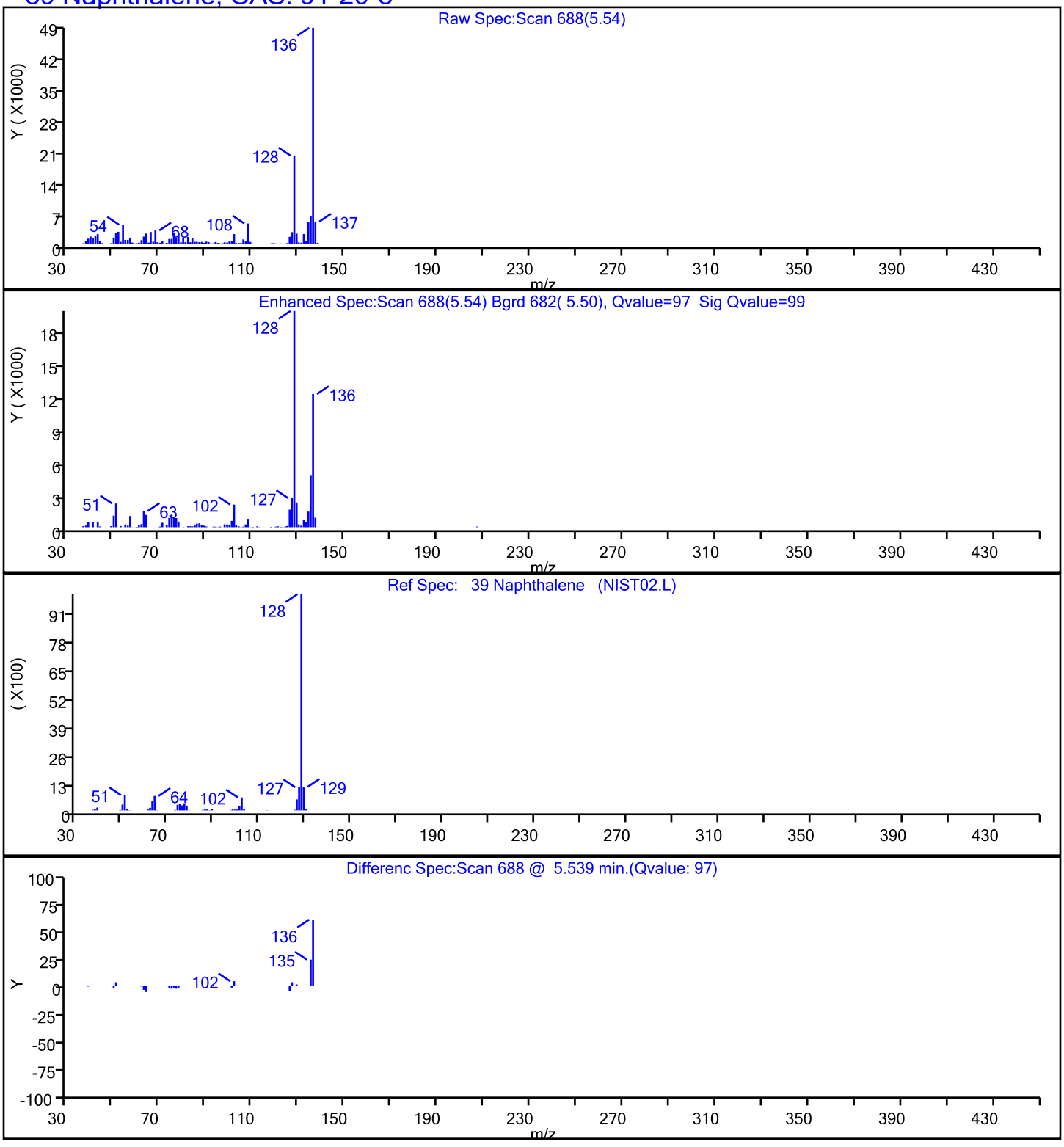
Lims ID:	460-260852-A-3-D	Lab Sample ID:	460-260852-3		
Client ID:	BHP-HA01-COMP-S001				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

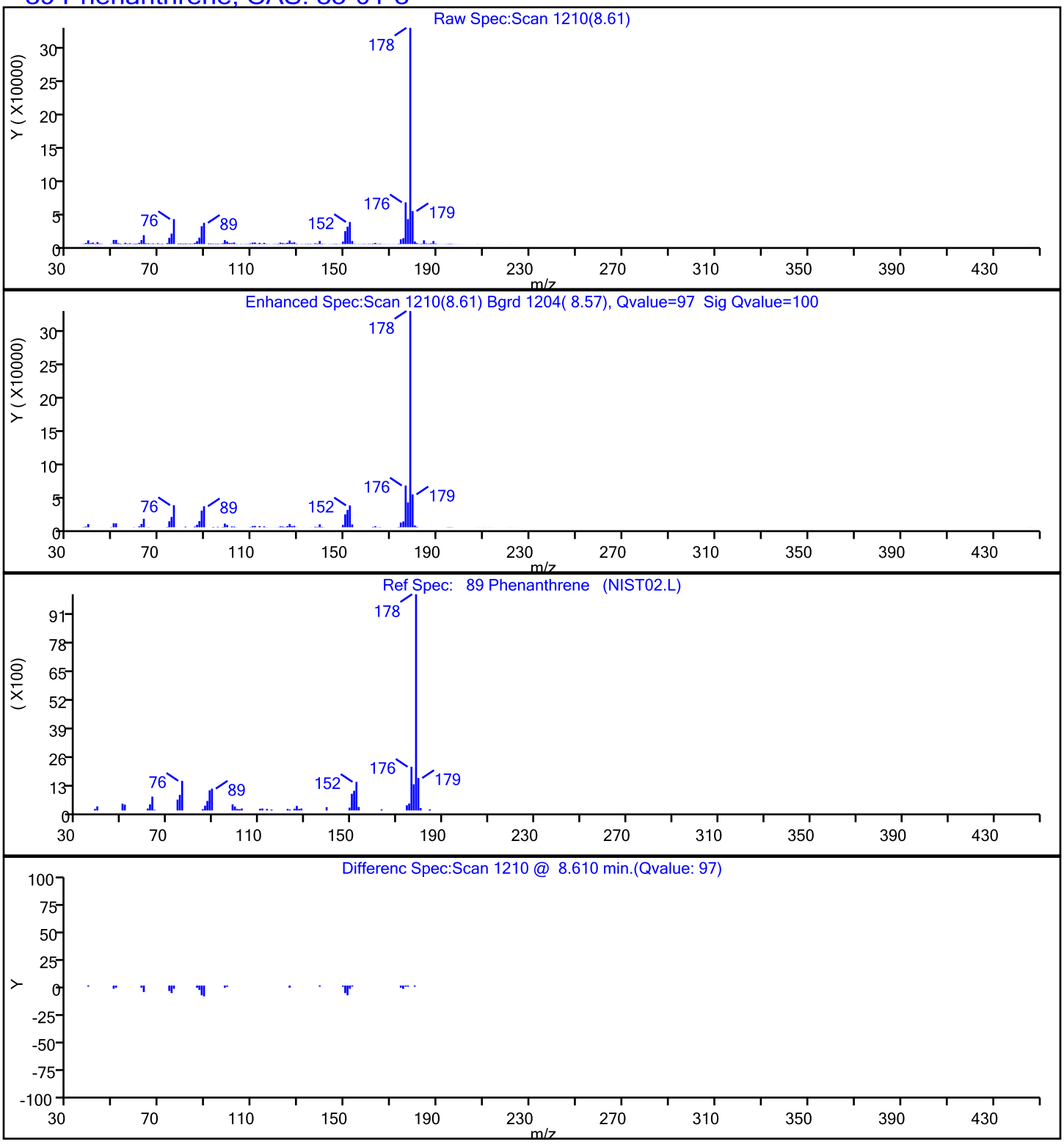
39 Naphthalene, CAS: 91-20-3



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42534.d				
Injection Date:	30-Jun-2022 10:09:30	Instrument ID:	CBNAMS5		
Lims ID:	460-260852-A-3-D	Lab Sample ID:	460-260852-3		
Client ID:	BHP-HA01-COMP-S001				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

89 Phenanthrene, CAS: 85-01-8



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42534.d				
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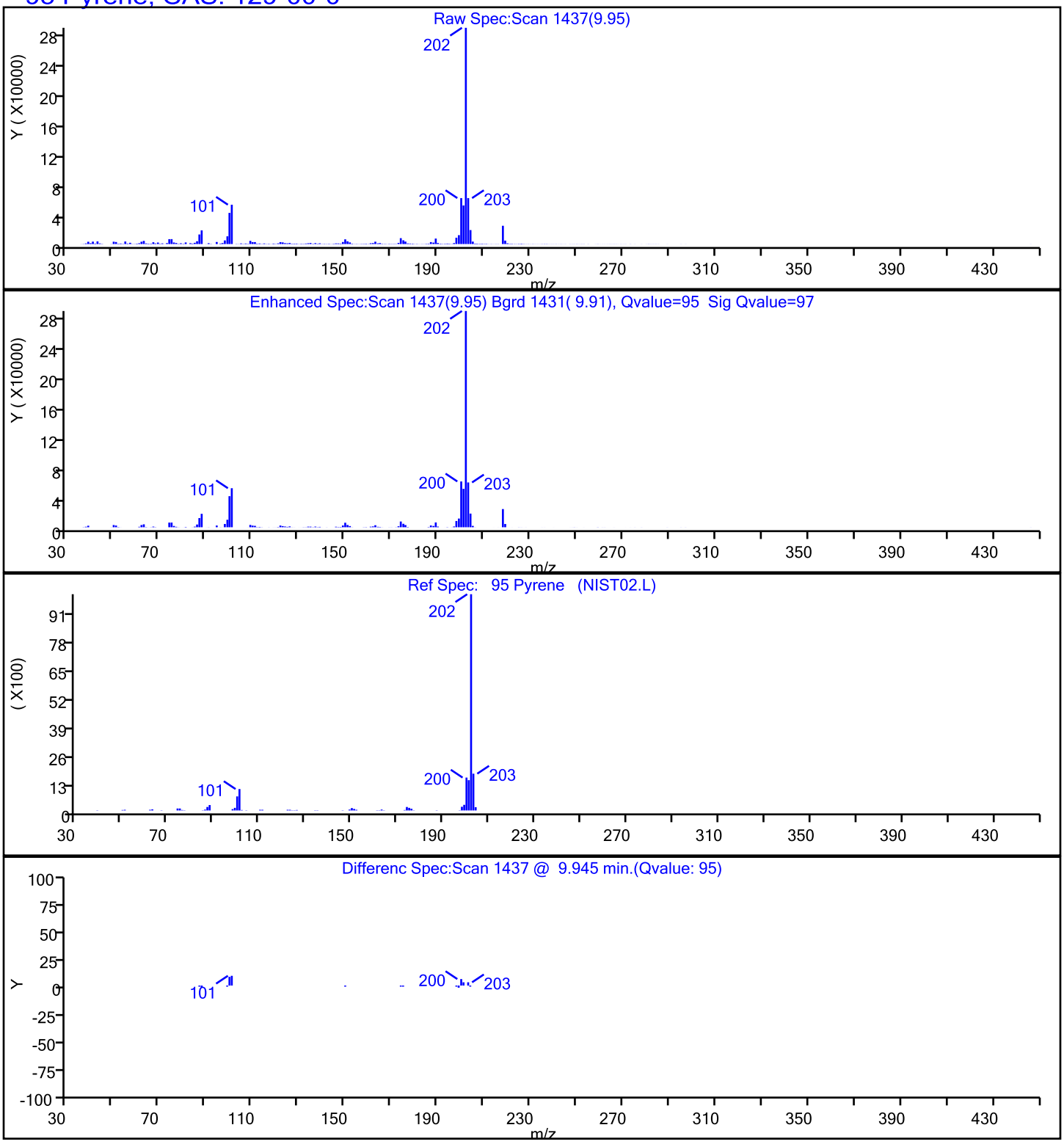
Lims ID:	460-260852-A-3-D	Lab Sample ID:	460-260852-3		
Client ID:	BHP-HA01-COMP-S001				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

95 Pyrene, CAS: 129-00-0



Report Date: 01-Jul-2022 08:53:57 Chrom Revision: 2.3 20-Jun-2022 20:10:40

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42534.d

Injection Date: 30-Jun-2022 10:09:30 Instrument ID: CBNAMS5

Lims ID: 460-260852-A-3-D Lab Sample ID: 460-260852-3

Client ID: BHP-HA01-COMP-S001

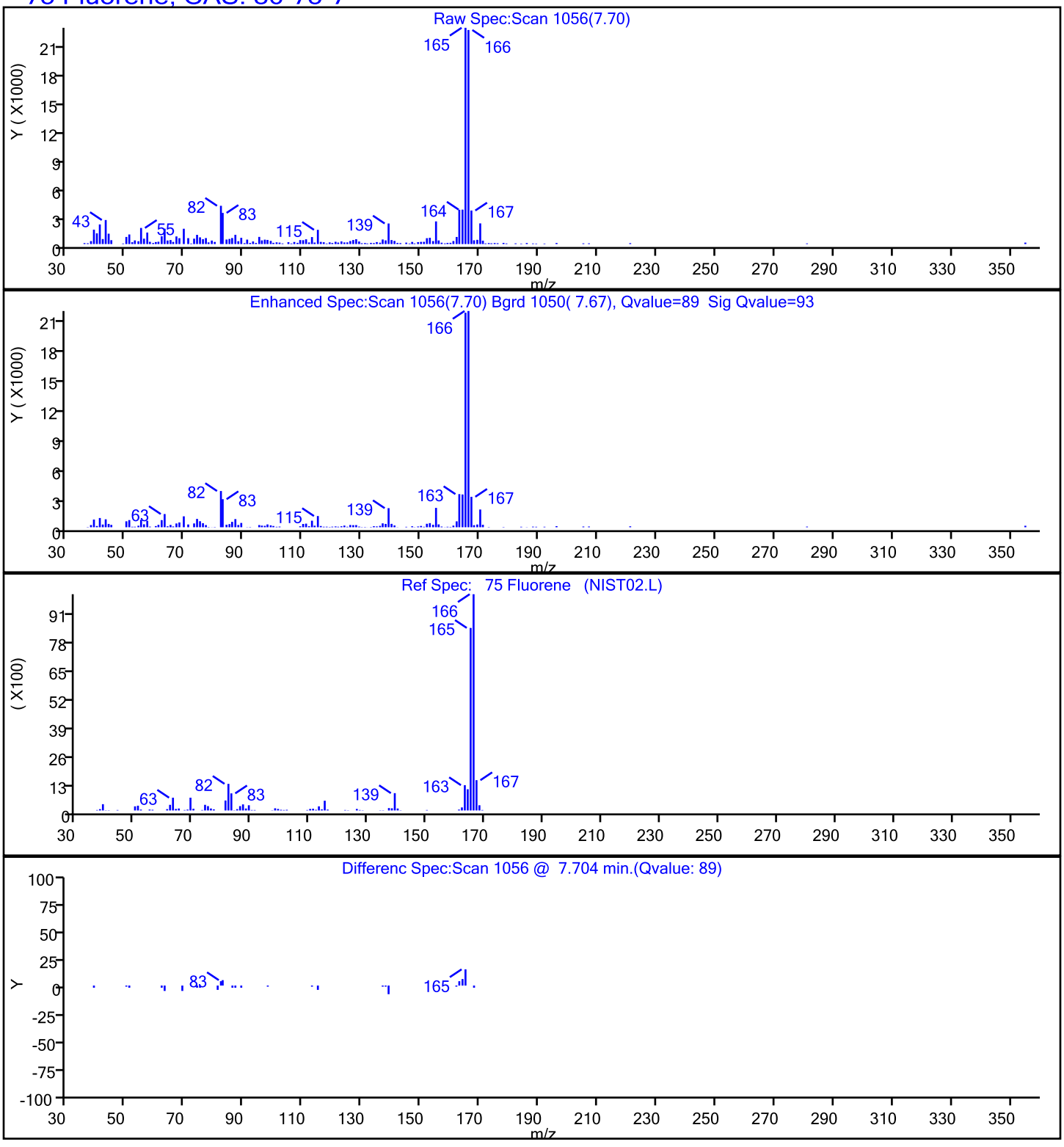
Operator ID: ALS Bottle#: 32 Worklist Smp#: 32

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8270_5R Limit Group: SV 8270 DEL ICAL

Column: Detector MS SCAN

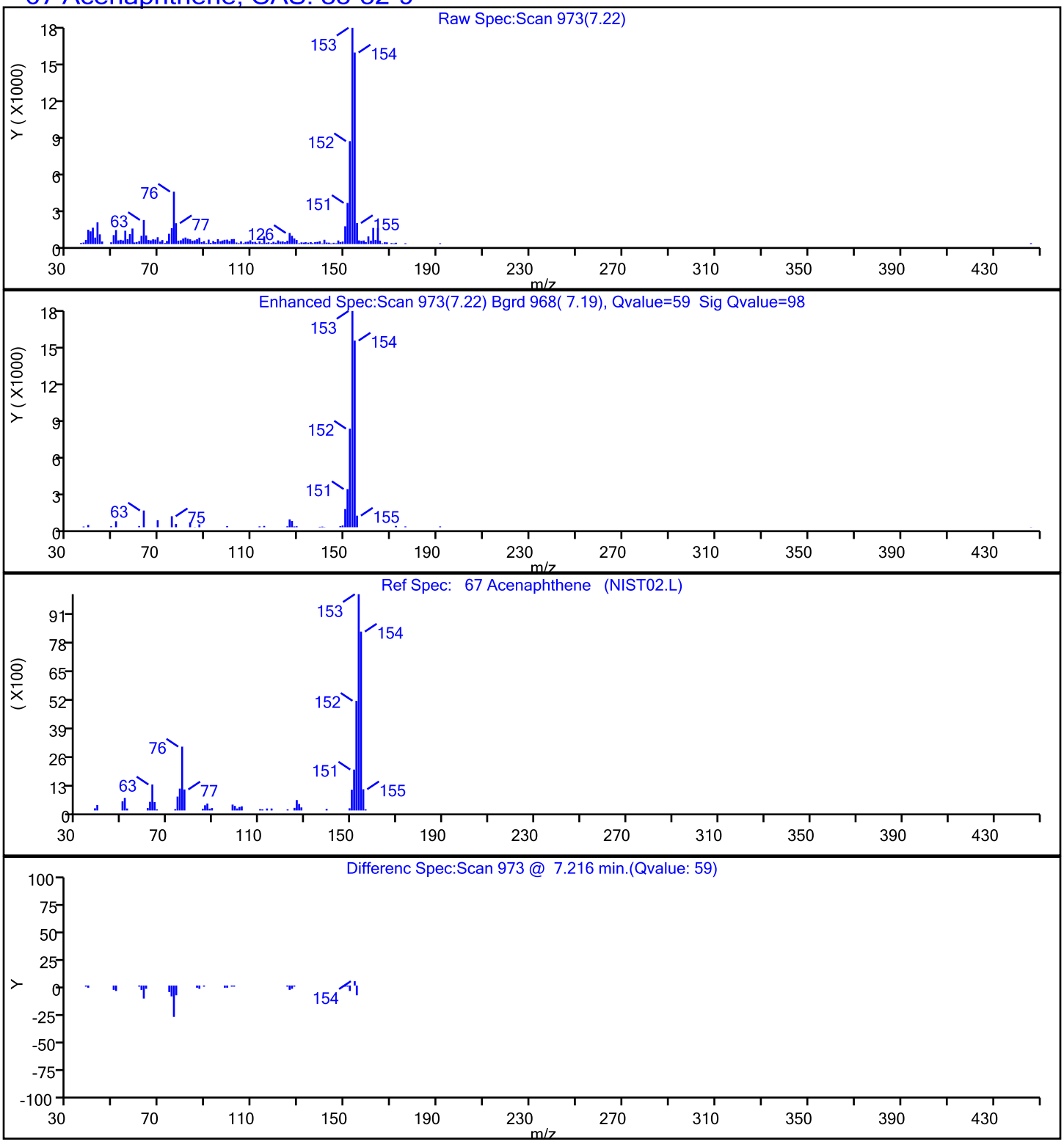
75 Fluorene, CAS: 86-73-7



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42534.d				
Injection Date:	30-Jun-2022 10:09:30	Instrument ID:	CBNAMS5		
Lims ID:	460-260852-A-3-D	Lab Sample ID:	460-260852-3		
Client ID:	BHP-HA01-COMP-S001				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

67 Acenaphthene, CAS: 83-32-9



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42534.d				
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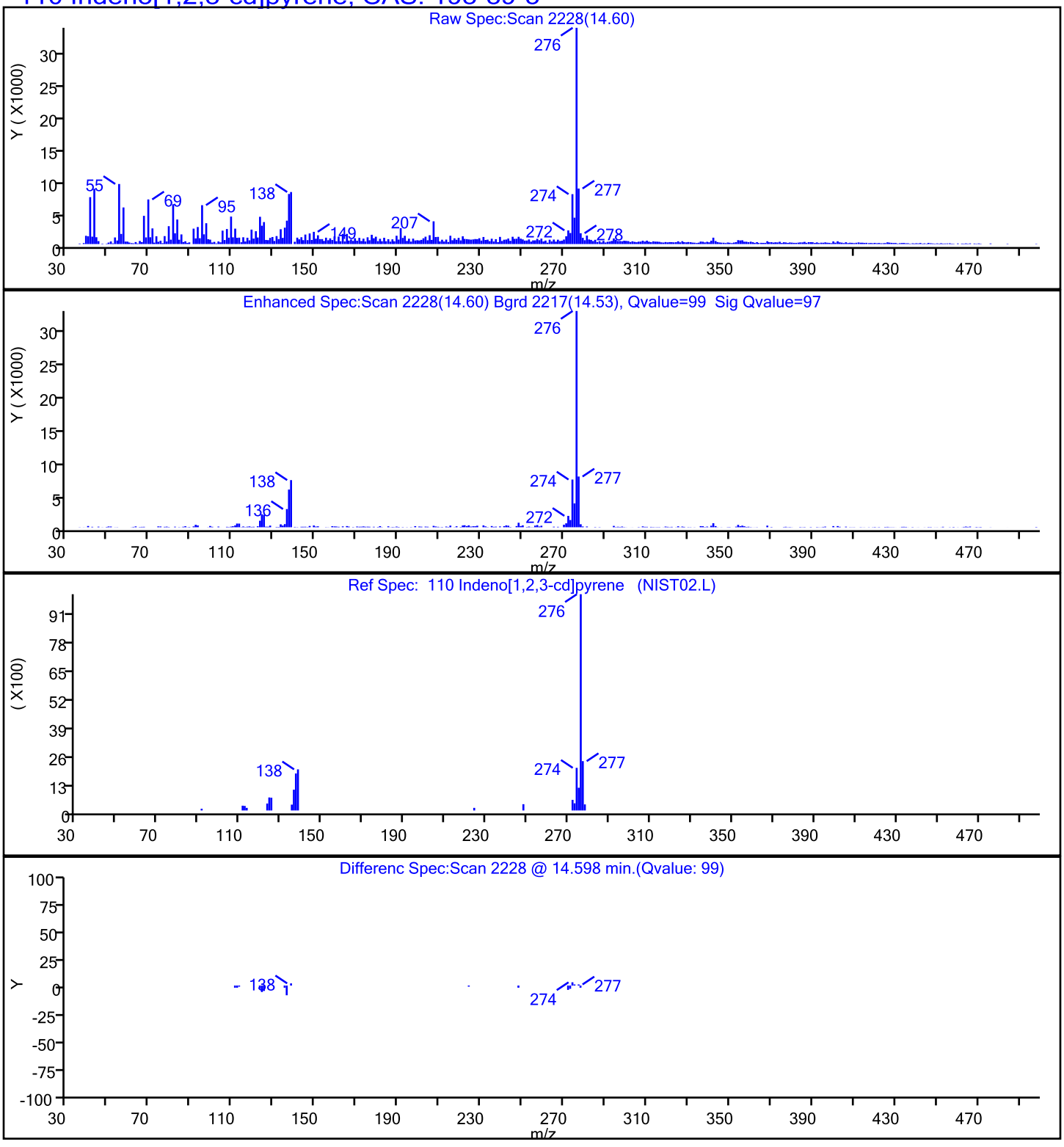
Lims ID:	460-260852-A-3-D	Lab Sample ID:	460-260852-3		
Client ID:	BHP-HA01-COMP-S001				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

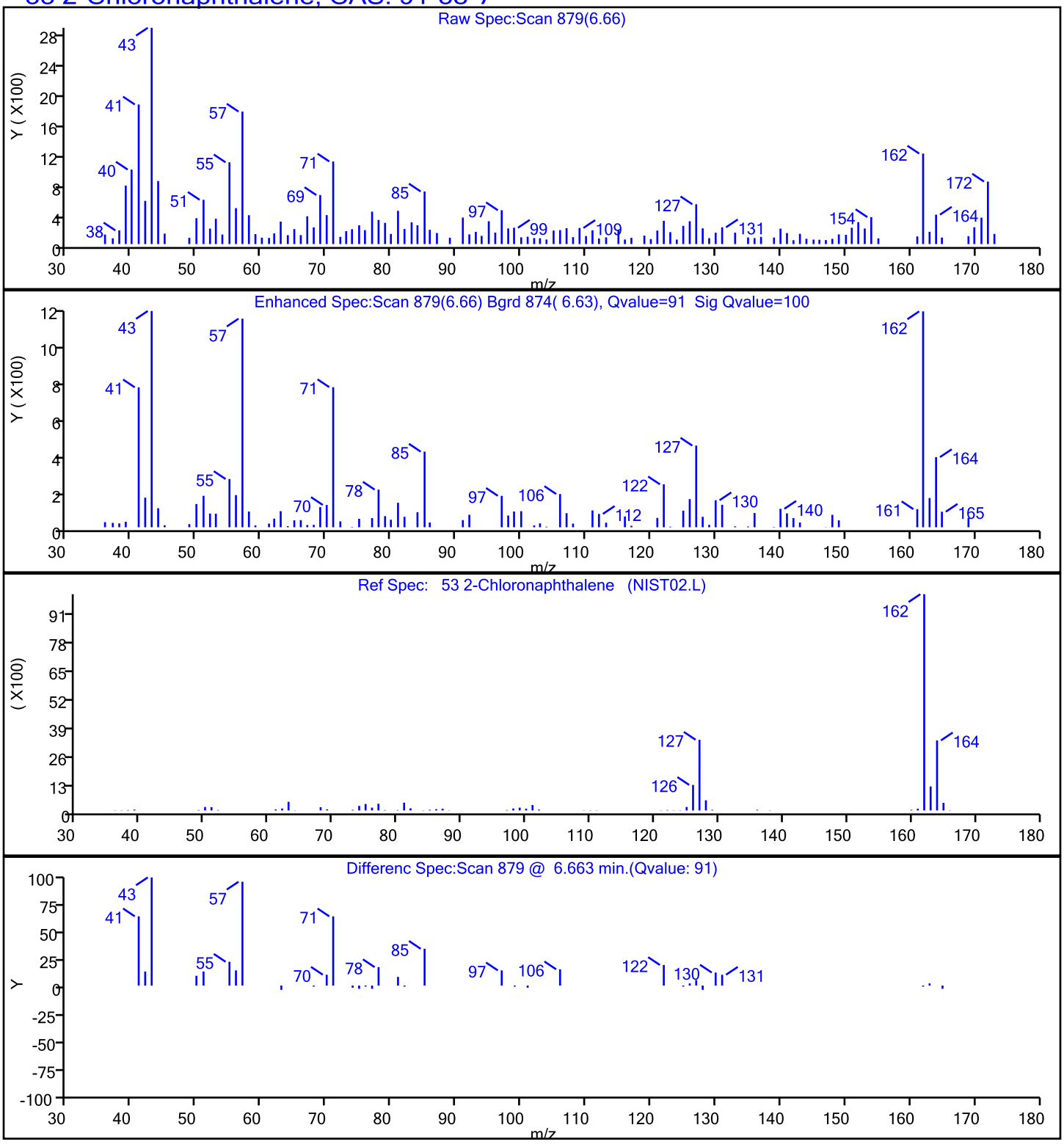
110 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42534.d				
Injection Date:	30-Jun-2022 10:09:30	Instrument ID:	CBNAMS5		
Lims ID:	460-260852-A-3-D	Lab Sample ID:	460-260852-3		
Client ID:	BHP-HA01-COMP-S001				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

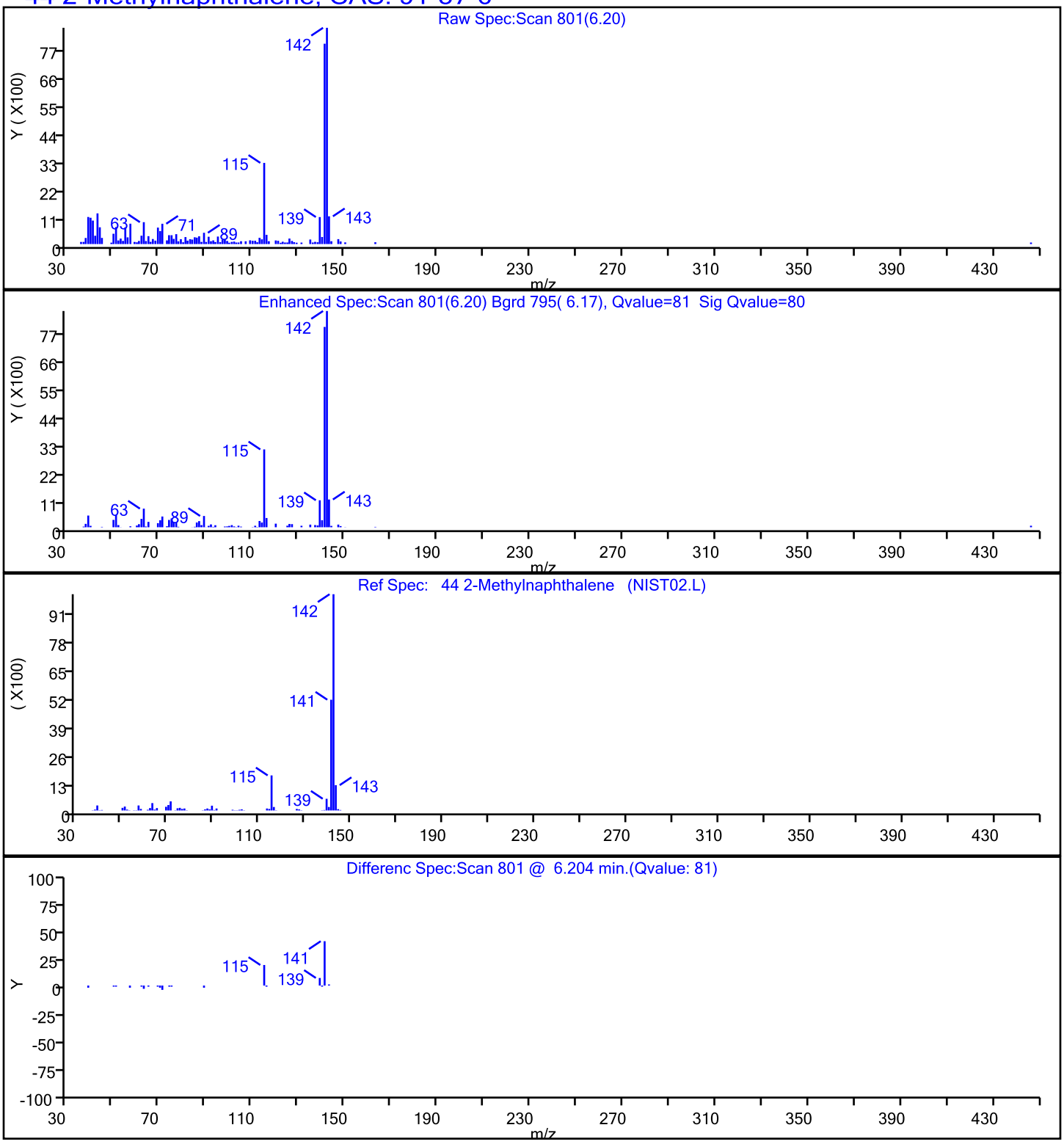
53 2-Chloronaphthalene, CAS: 91-58-7



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42534.d				
Injection Date:	30-Jun-2022 10:09:30	Instrument ID:	CBNAMS5		
Lims ID:	460-260852-A-3-D	Lab Sample ID:	460-260852-3		
Client ID:	BHP-HA01-COMP-S001				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

44 2-Methylnaphthalene, CAS: 91-57-6



Eurofins Edison

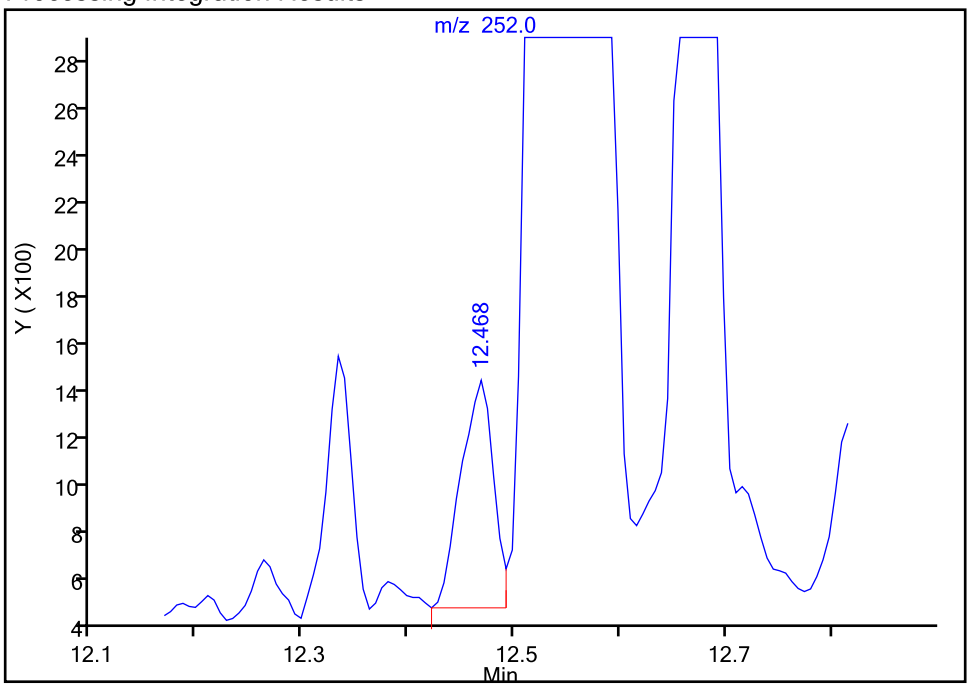
Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42534.d				
Injection Date:	30-Jun-2022 10:09:30	Instrument ID:	CBNAMS5		
Lims ID:	460-260852-A-3-D	Lab Sample ID:	460-260852-3		
Client ID:	BHP-HA01-COMP-S001				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

106 Benzo[b]fluoranthene, CAS: 205-99-2

Signal: 1

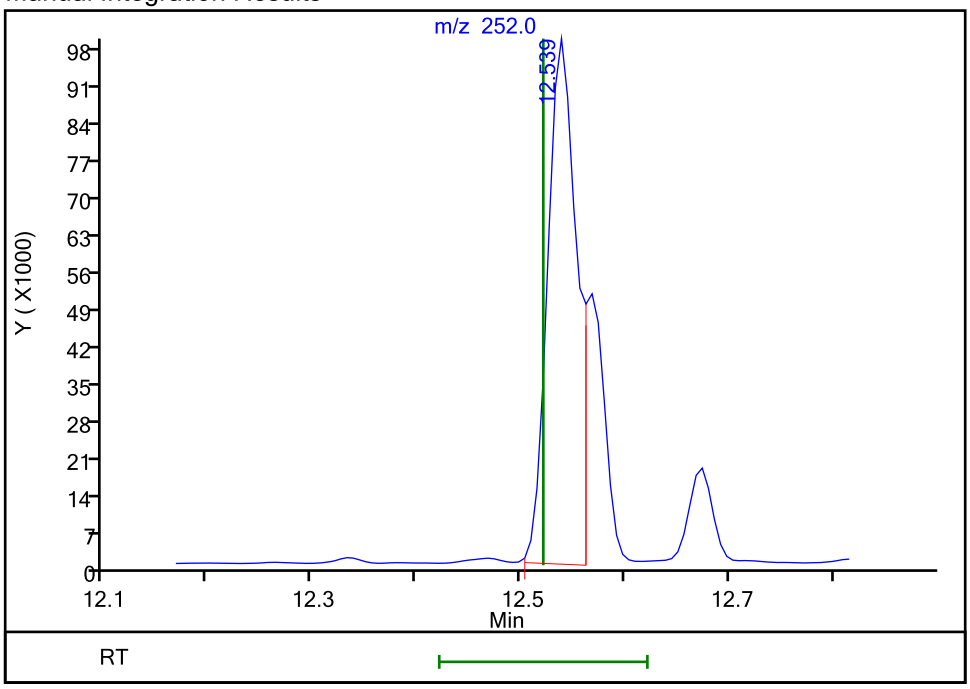
Processing Integration Results

RT: 12.47
Area: 2083
Amount: 0.161962
Amount Units: ug/ml



Manual Integration Results

RT: 12.54
Area: 199714
Amount: 15.528608
Amount Units: ug/ml



Reviewer: LKI7, 30-Jun-2022 11:55:31
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Edison

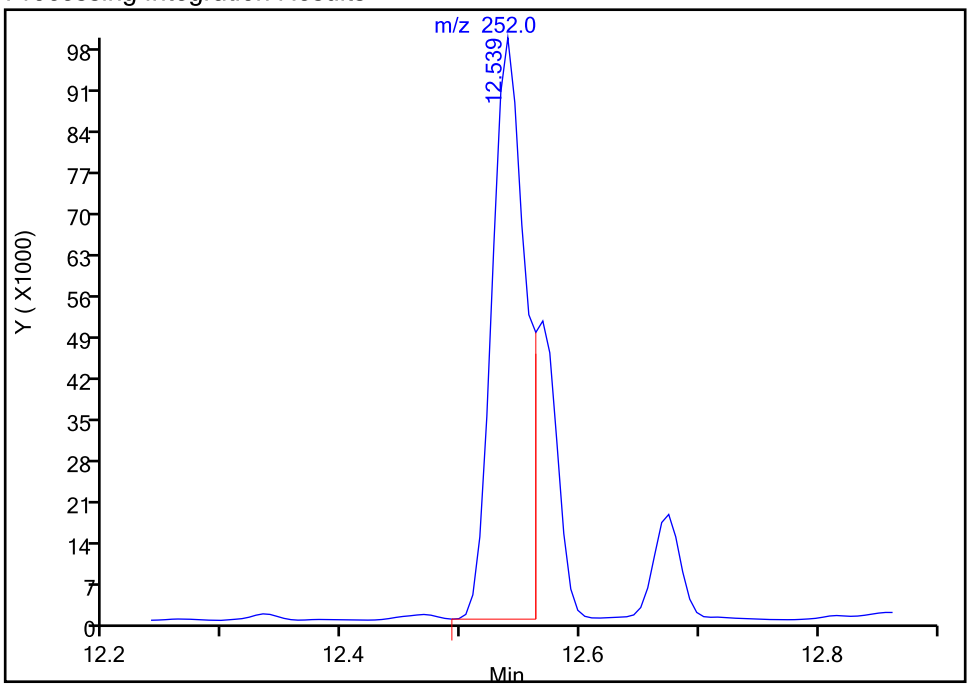
Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42534.d				
Injection Date:	30-Jun-2022 10:09:30	Instrument ID:	CBNAMS5		
Lims ID:	460-260852-A-3-D	Lab Sample ID:	460-260852-3		
Client ID:	BHP-HA01-COMP-S001				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

107 Benzo[k]fluoranthene, CAS: 207-08-9

Signal: 1

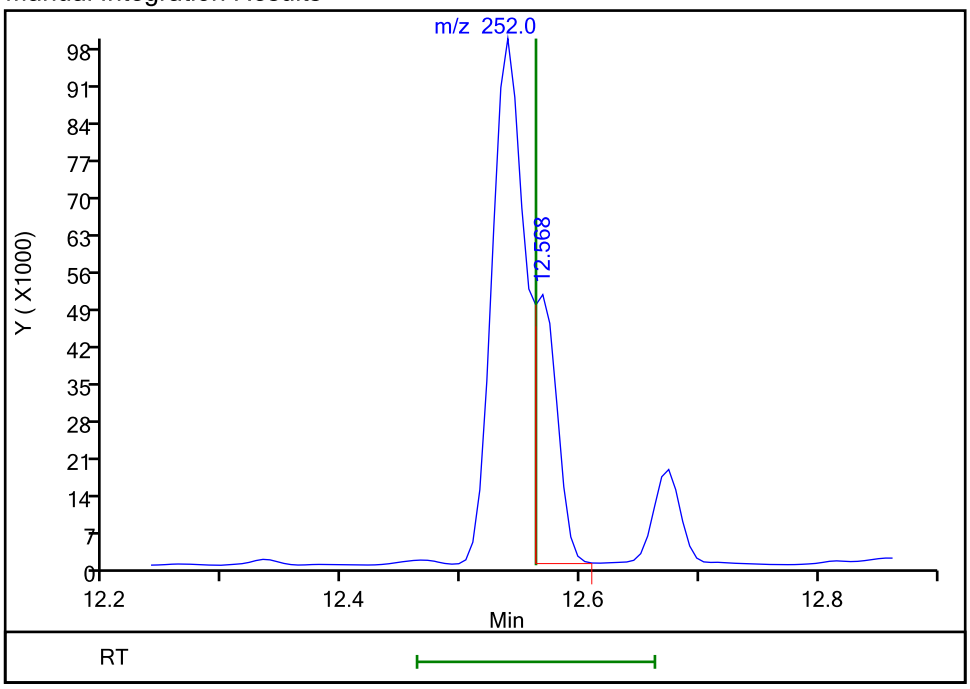
Processing Integration Results

RT: 12.54
Area: 198585
Amount: 15.325873
Amount Units: ug/ml



Manual Integration Results

RT: 12.57
Area: 69385
Amount: 5.354814
Amount Units: ug/ml



Reviewer: LKI7, 30-Jun-2022 11:55:36

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Edison

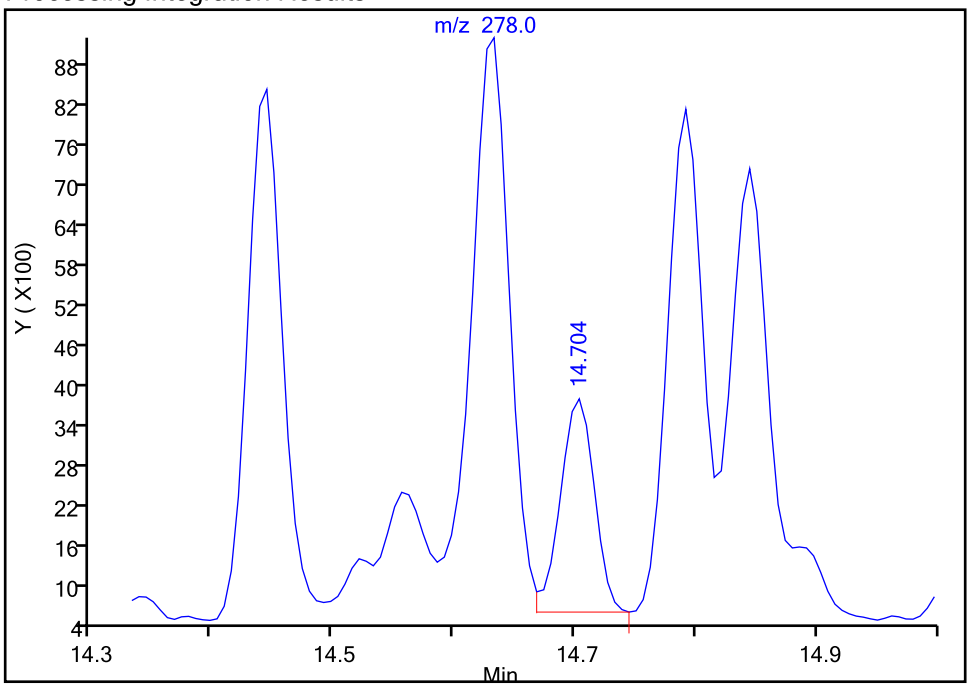
Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42534.d				
Injection Date:	30-Jun-2022 10:09:30	Instrument ID:	CBNAMS5		
Lims ID:	460-260852-A-3-D	Lab Sample ID:	460-260852-3		
Client ID:	BHP-HA01-COMP-S001				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

111 Dibenz(a,h)anthracene, CAS: 53-70-3

Signal: 1

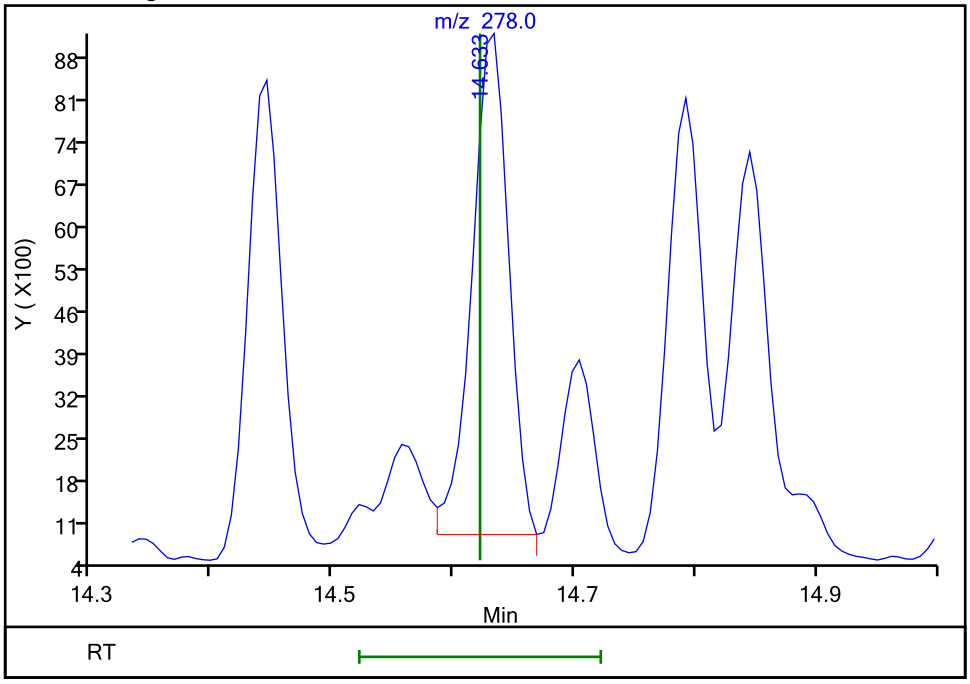
Processing Integration Results

RT: 14.70
Area: 6257
Amount: 0.468039
Amount Units: ug/ml



Manual Integration Results

RT: 14.63
Area: 17477
Amount: 1.307323
Amount Units: ug/ml



Reviewer: LKI7, 30-Jun-2022 11:55:43
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-260852-1

SDG No.:

Client Sample ID: BHP-HA03-COMP-S001 | Lab Sample ID: 460-260852-7

Matrix: Solid | Lab File ID: X42513.d

Analysis Method: 8270C | Date Collected: 06/23/2022 13:00

Extract. Method: 3546 | Date Extracted: 06/29/2022 17:17

Sample wt/vol: 15.00(g) | Date Analyzed: 06/30/2022 01:55

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: 11.6 % Solids: 88.4 | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 852810 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
208-96-8	Acenaphthylene	14	J	370	11
120-12-7	Anthracene	25	J	370	11
56-55-3	Benzo[a]anthracene	130		37	13
205-99-2	Benzo[b]fluoranthene	180		37	9.7
50-32-8	Benzo[a]pyrene	130		37	10
191-24-2	Benzo[g,h,i]perylene	120	J	370	11
207-08-9	Benzo[k]fluoranthene	71		37	7.3
218-01-9	Chrysene	140	J	370	6.3
53-70-3	Dibenz(a,h)anthracene	27	J	37	16
206-44-0	Fluoranthene	210	J	370	13
91-20-3	Naphthalene	13	J	370	6.5
85-01-8	Phenanthrene	84	J	370	6.6
129-00-0	Pyrene	230	J	370	9.3
86-73-7	Fluorene	12	J	370	11
83-32-9	Acenaphthene	11	U	370	11
193-39-5	Indeno[1,2,3-cd]pyrene	110		37	15
91-58-7	2-Chloronaphthalene	17	U	370	17
91-57-6	2-Methylnaphthalene	13	J	370	10

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	87		22-122
4165-60-0	Nitrobenzene-d5 (Surr)	85		16-125
1718-51-0	Terphenyl-d14 (Surr)	98		25-126

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42513.d
Lims ID: 460-260852-A-7-D
Client ID: BHP-HA03-COMP-S001
Sample Type: Client
Inject. Date: 30-Jun-2022 01:55:30 ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0147251-011
Operator ID: Instrument ID: CBNAMS5

Method: \\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\8270_5R.m
Limit Group: SV 8270 DEL ICAL
Last Update: 30-Jun-2022 11:56:45 Calib Date: 03-Jun-2022 09:29:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS5\20220602-146048.b\X41882.d

Column 1 : Det: MS SCAN
Process Host: CTX1633

First Level Reviewer: maheseep Date: 30-Jun-2022 16:30:14

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 14 1,4-Dichlorobenzene-d4	152	4.304	4.304	0.000	98	133917	40.0	
$ 26 Nitrobenzene-d5	82	4.834	4.840	-0.006	91	231603	42.5	
* 38 Naphthalene-d8	136	5.522	5.522	0.000	100	514915	40.0	
39 Naphthalene	128	5.539	5.540	-0.001	36	2373	0.1787	
44 2-Methylnaphthalene	142	6.198	6.198	0.000	55	1522	0.1727	
$ 51 2-Fluorobiphenyl	172	6.551	6.557	0.000	96	426356	43.6	
61 Acenaphthylene	152	7.051	7.057	0.000	89	2216	0.1817	
* 65 Acenaphthene-d10	164	7.180	7.181	-0.001	97	252513	40.0	
75 Fluorene	166	7.698	7.705	0.000	54	1255	0.1558	
* 88 Phenanthrene-d10	188	8.580	8.581	-0.001	99	446728	40.0	
89 Phenanthrene	178	8.604	8.610	0.000	97	13145	1.12	
90 Anthracene	178	8.651	8.657	0.000	93	3968	0.3275	
93 Fluoranthene	202	9.727	9.734	-0.001	97	34982	2.73	
95 Pyrene	202	9.939	9.950	0.000	96	34387	3.05	
$ 96 Terphenyl-d14	244	10.098	10.109	0.000	98	494555	49.2	
101 Benzo[a]anthracene	228	11.174	11.186	-0.001	51	18919	1.73	
* 102 Chrysene-d12	240	11.186	11.186	0.000	99	351414	40.0	
103 Chrysene	228	11.210	11.227	-0.006	78	18742	1.85	
106 Benzo[b]fluoranthene	252	12.521	12.539	-0.001	97	28566	2.42	
107 Benzo[k]fluoranthene	252	12.551	12.568	-0.012	1	11233	0.9440	M
108 Benzo[a]pyrene	252	12.962	12.986	-0.007	95	19793	1.75	
* 109 Perylene-d12	264	13.045	13.045	0.000	98	420846	40.0	
110 Indeno[1,2,3-cd]pyrene	276	14.574	14.600	-0.006	99	17656	1.52	
111 Dibenz(a,h)anthracene	278	14.609	14.633	-0.012	29	4408	0.3591	a
112 Benzo[g,h,i]perylene	276	14.986	15.018	-0.012	91	20815	1.64	

QC Flag Legend
Processing Flags

Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

SM_ISTD_00196 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 30-Jun-2022 12:09:51 Chrom Revision: 2.3 20-Jun-2022 20:10:40

Eurofins Edison

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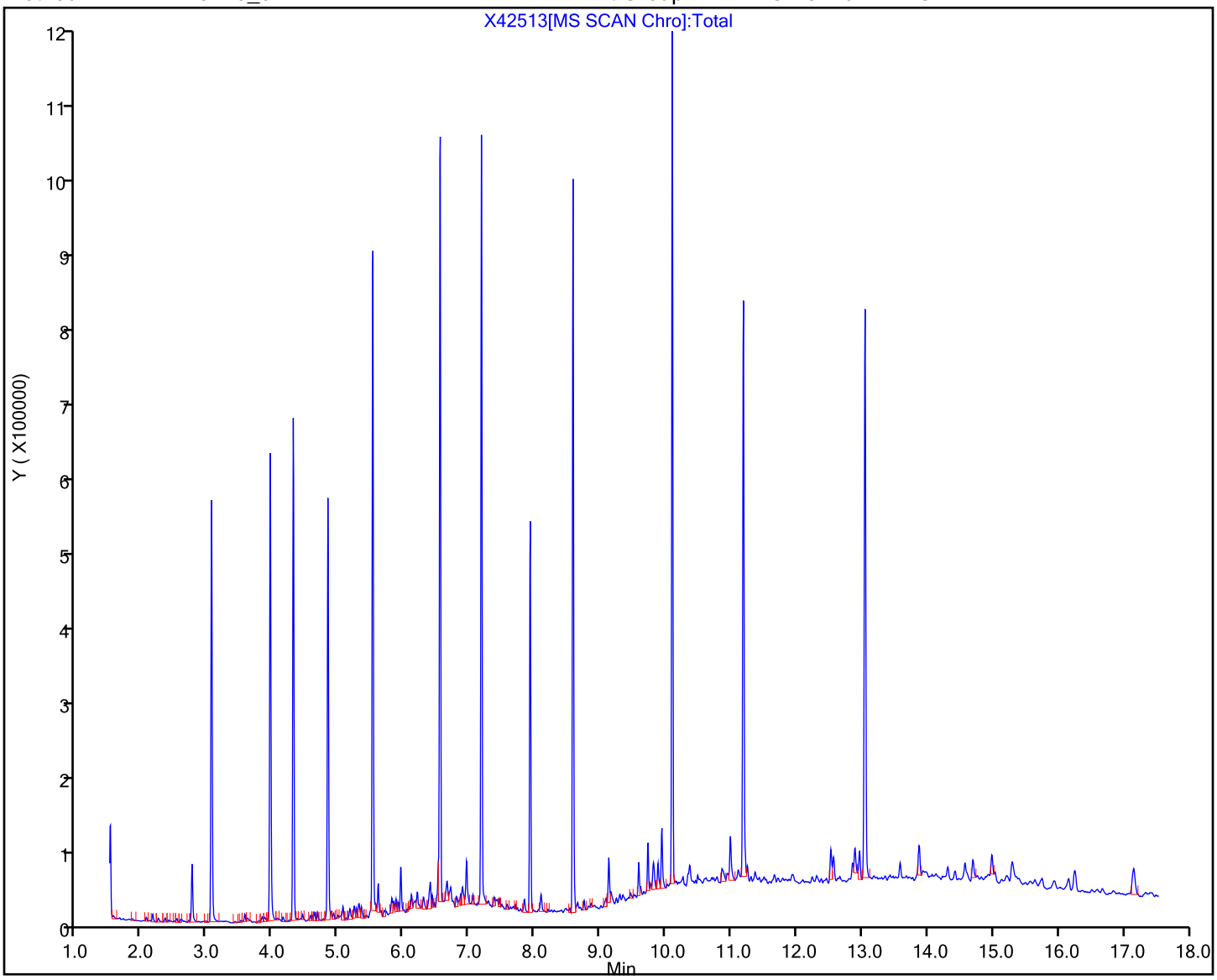
Injection Date:	30-Jun-2022 01:55:30	Instrument ID:	CBNAMS5		
Lims ID:	460-260852-A-7-D	Lab Sample ID:	460-260852-7		
Client ID:	BHP-HA03-COMP-S001				
Operator ID:		ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		



Eurofins Edison

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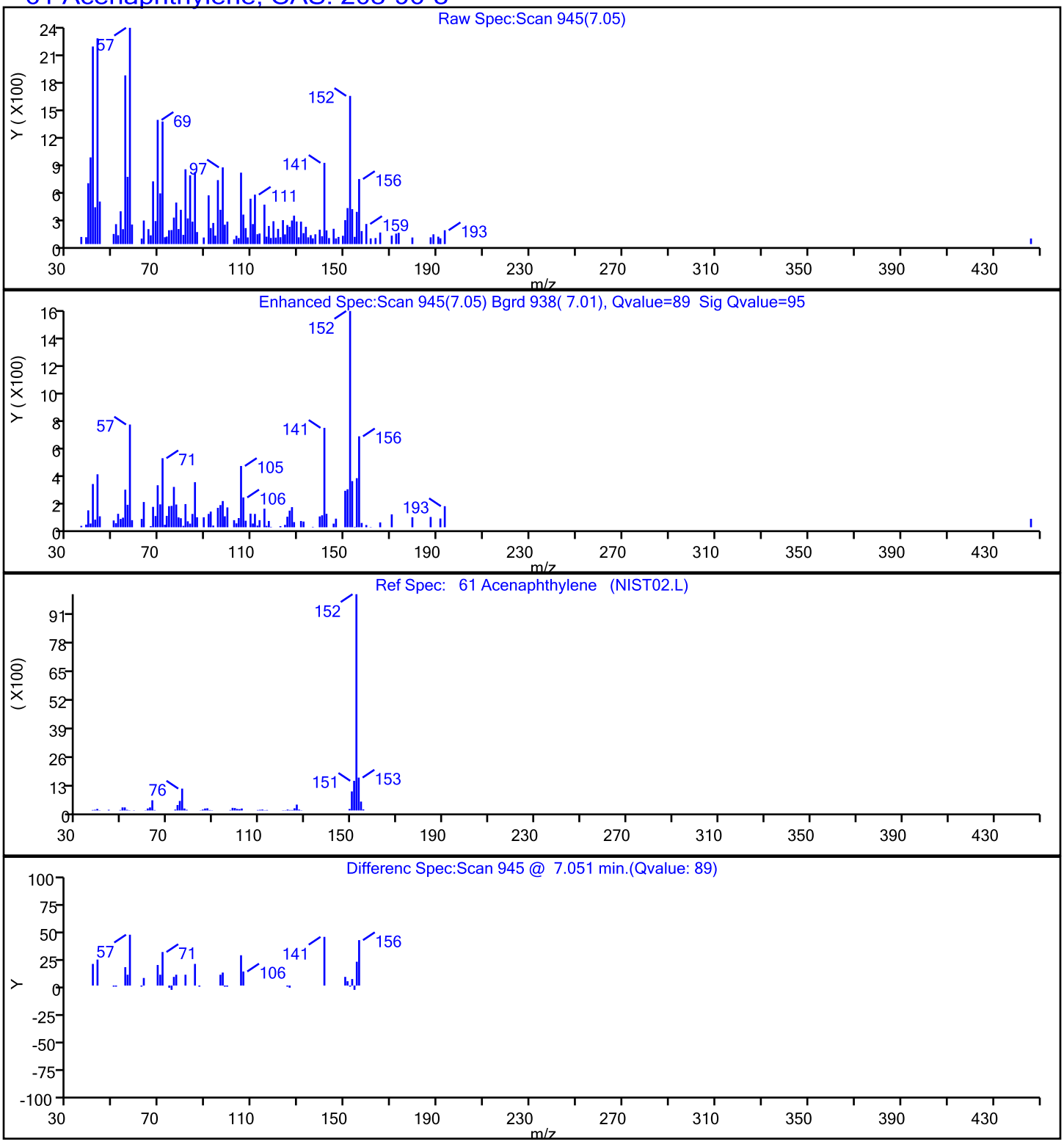
Lims ID:	460-260852-A-7-D	Lab Sample ID:	460-260852-7		
Client ID:	BHP-HA03-COMP-S001				
Operator ID:		ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

61 Acenaphthylene, CAS: 208-96-8



Eurofins Edison

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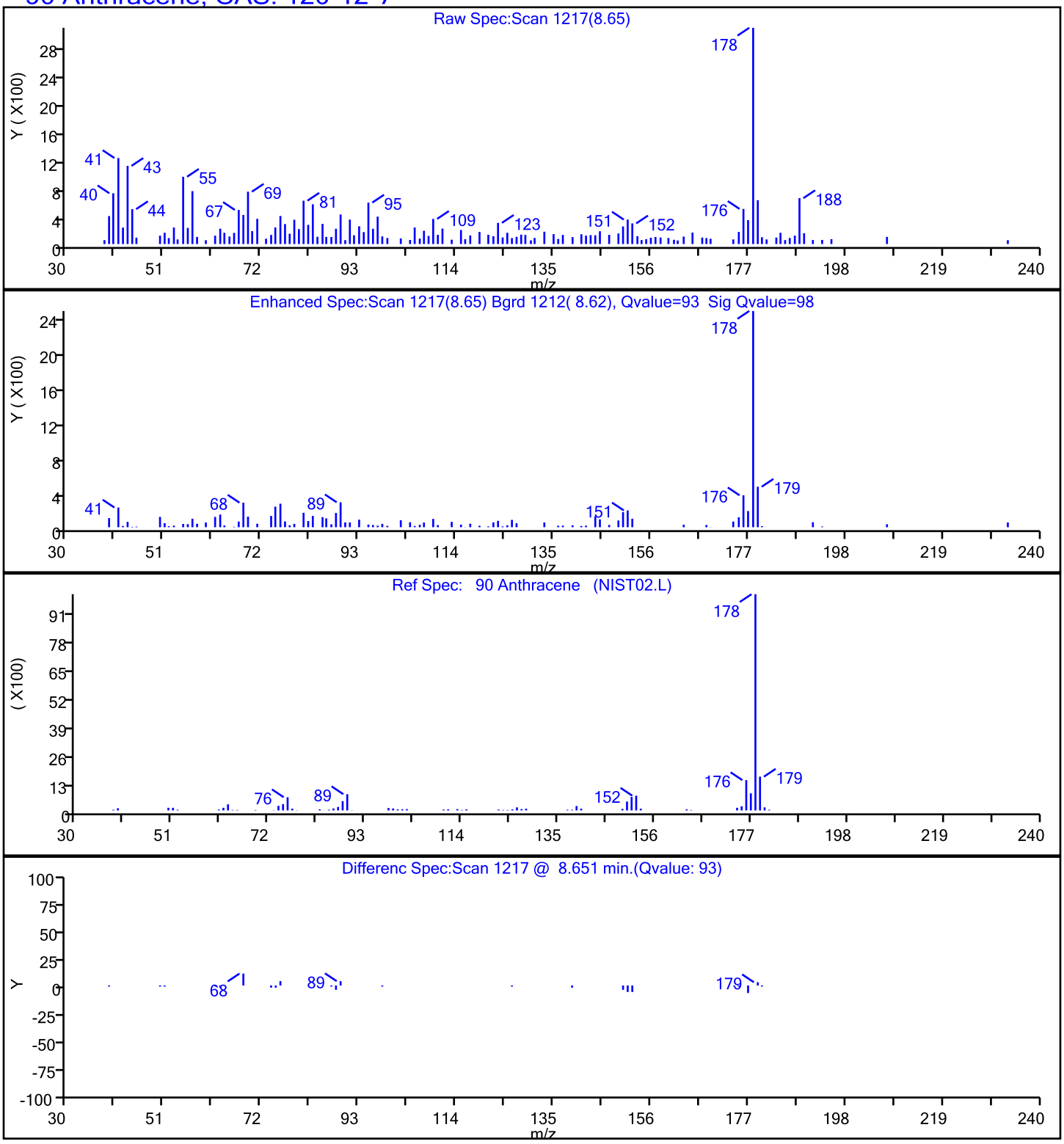
Lims ID:	460-260852-A-7-D	Lab Sample ID:	460-260852-7		
Client ID:	BHP-HA03-COMP-S001				
Operator ID:		ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

90 Anthracene, CAS: 120-12-7



Eurofins Edison

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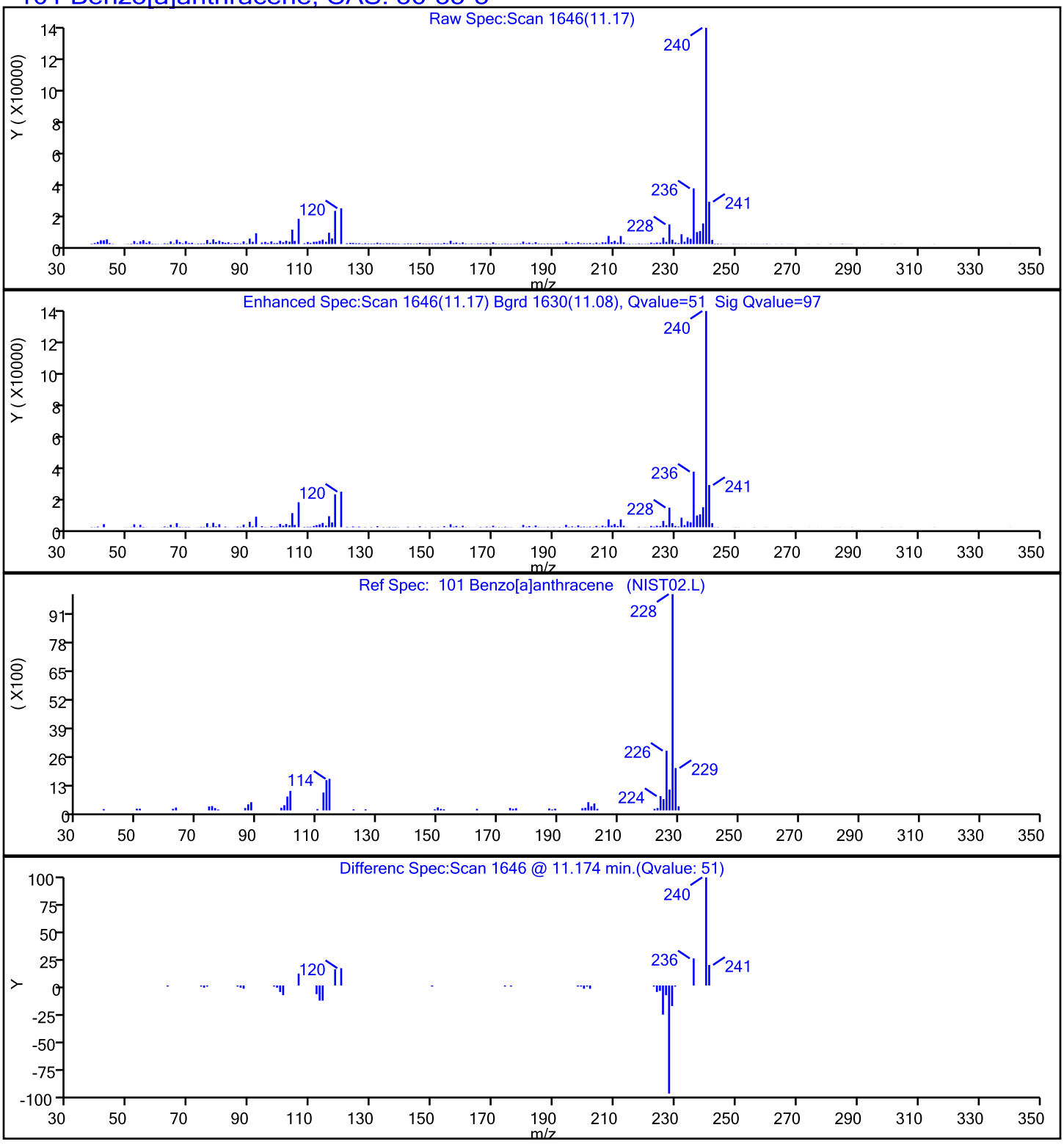
Client ID:	BHP-HA03-COMP-S001				
Operator ID:		ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

101 Benzo[a]anthracene, CAS: 56-55-3



Eurofins Edison

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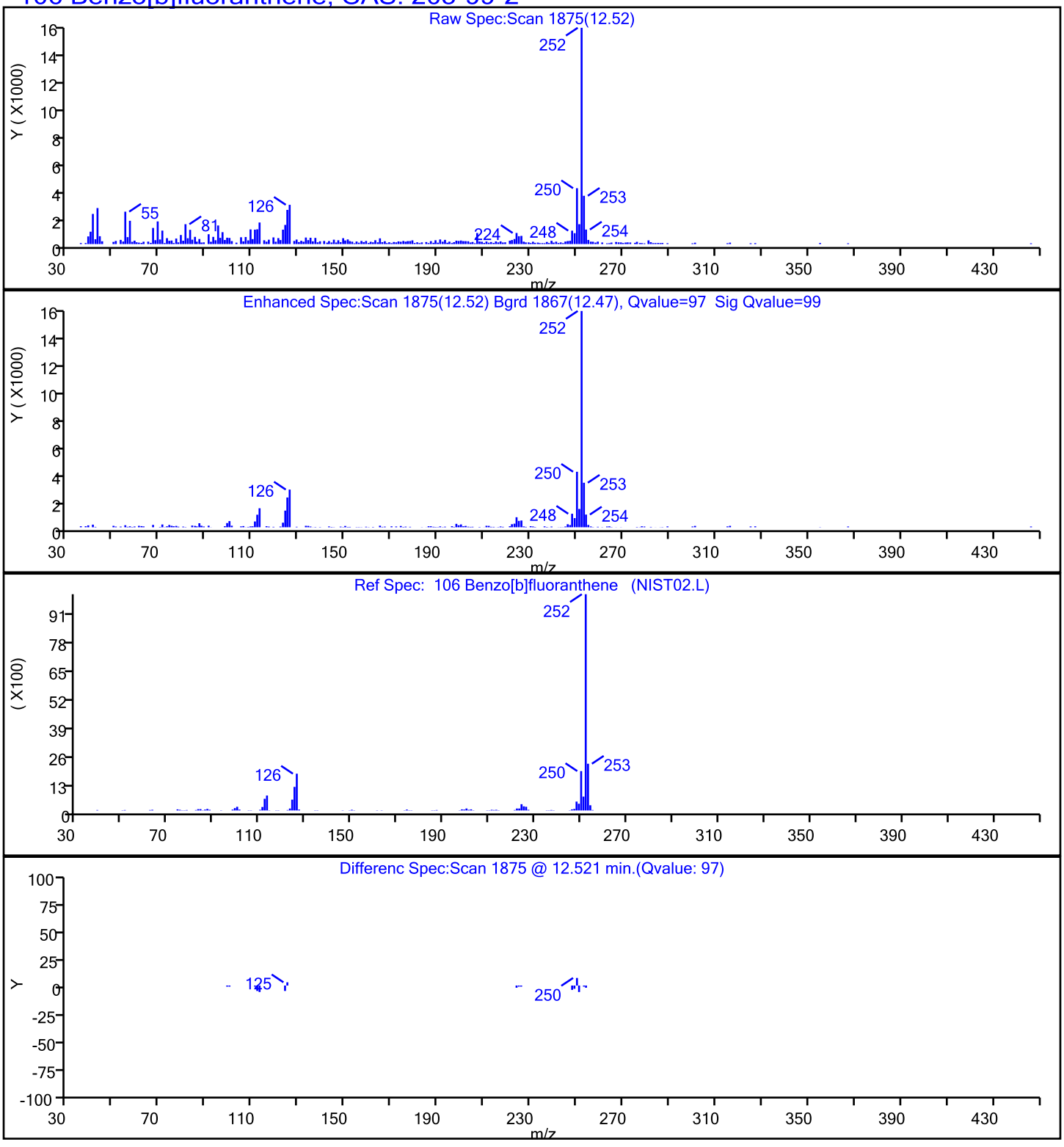
Client ID:	BHP-HA03-COMP-S001				
Operator ID:		ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

106 Benzo[b]fluoranthene, CAS: 205-99-2



Eurofins Edison

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Client ID:	BHP-HA03-COMP-S001				
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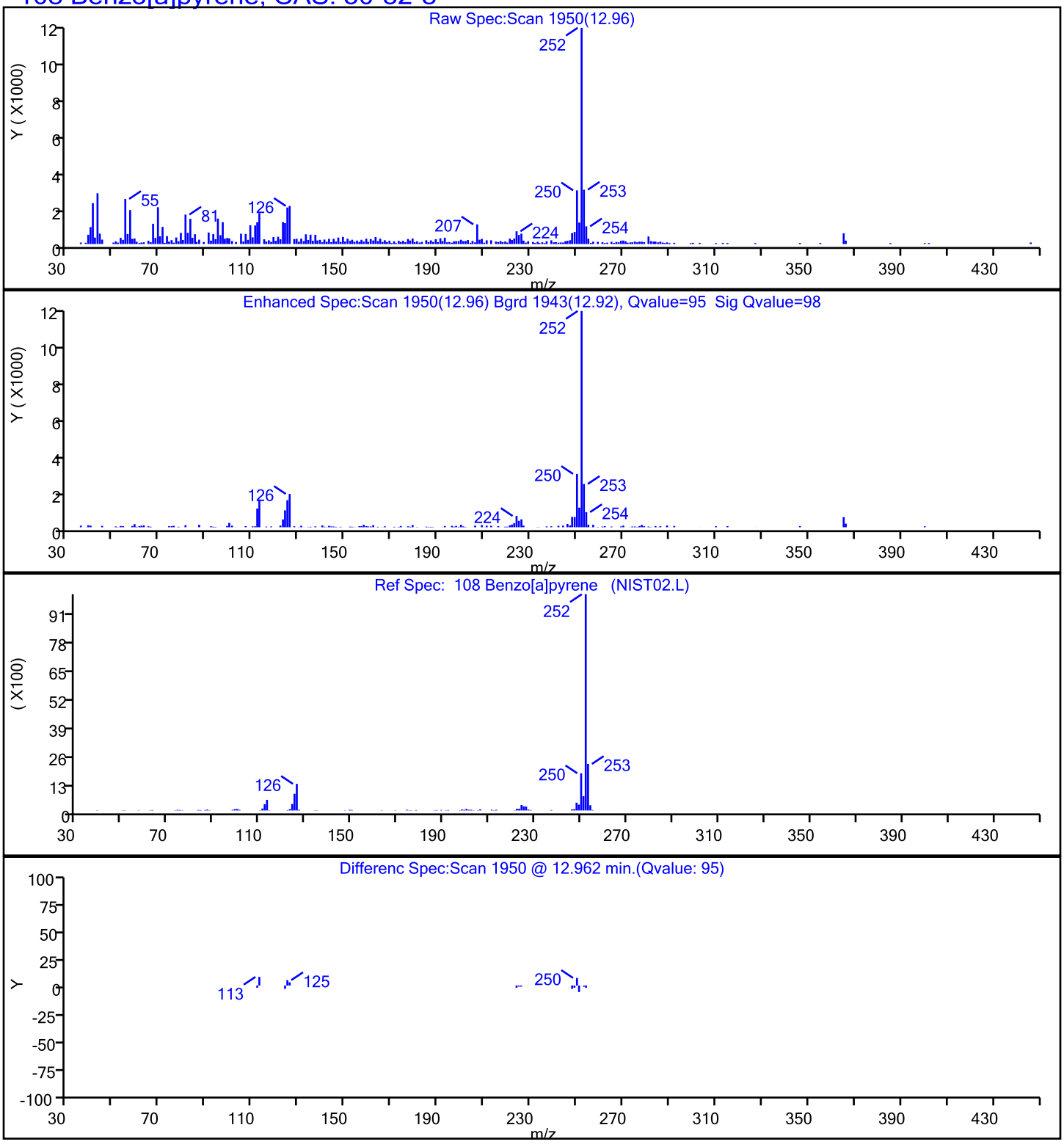
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

108 Benzo[a]pyrene, CAS: 50-32-8



Eurofins Edison

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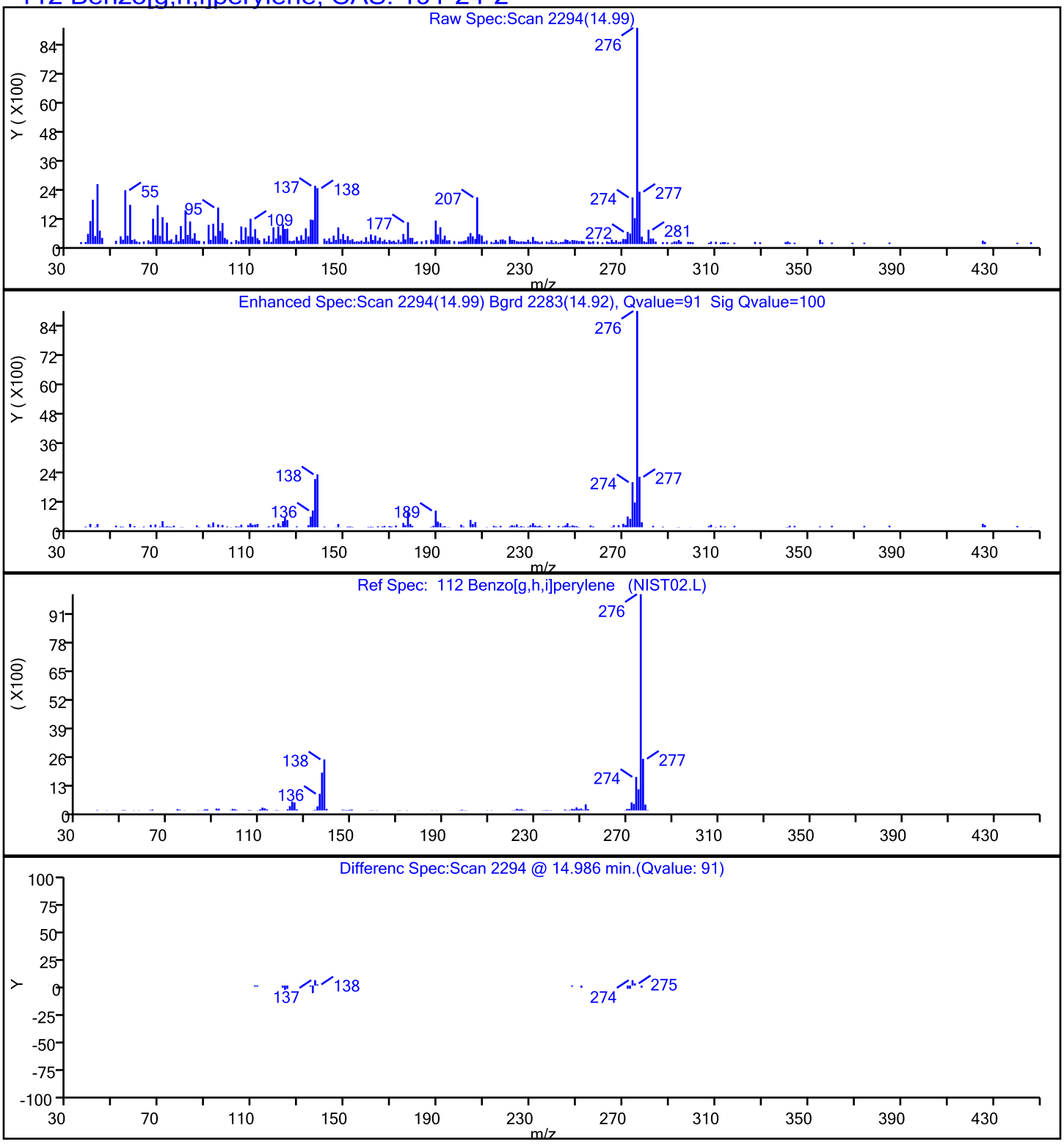
Operator ID:		ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

112 Benzo[g,h,i]perylene, CAS: 191-24-2



Eurofins Edison

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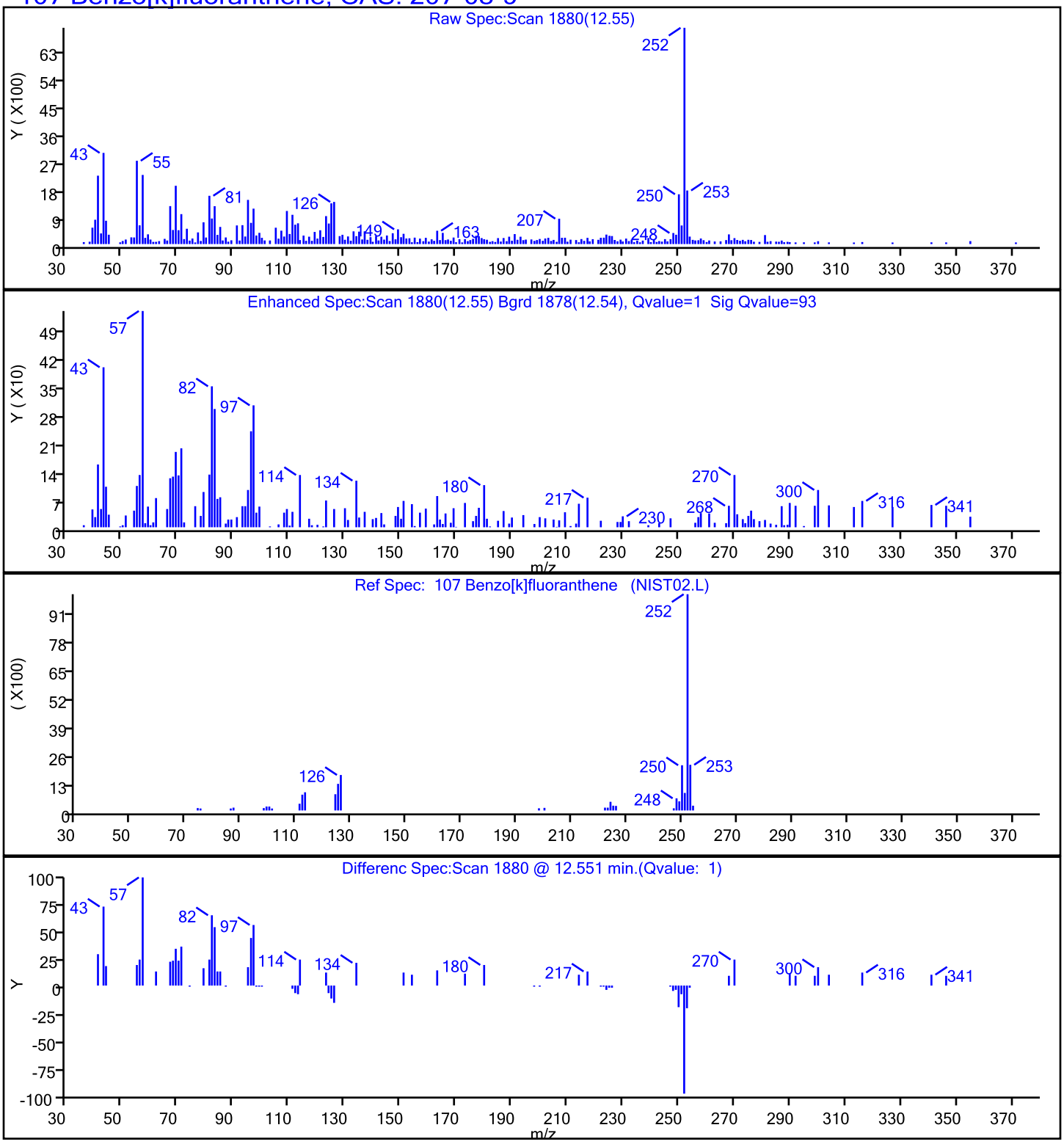
Client ID:	BHP-HA03-COMP-S001				
Operator ID:		ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

107 Benzo[k]fluoranthene, CAS: 207-08-9



Eurofins Edison

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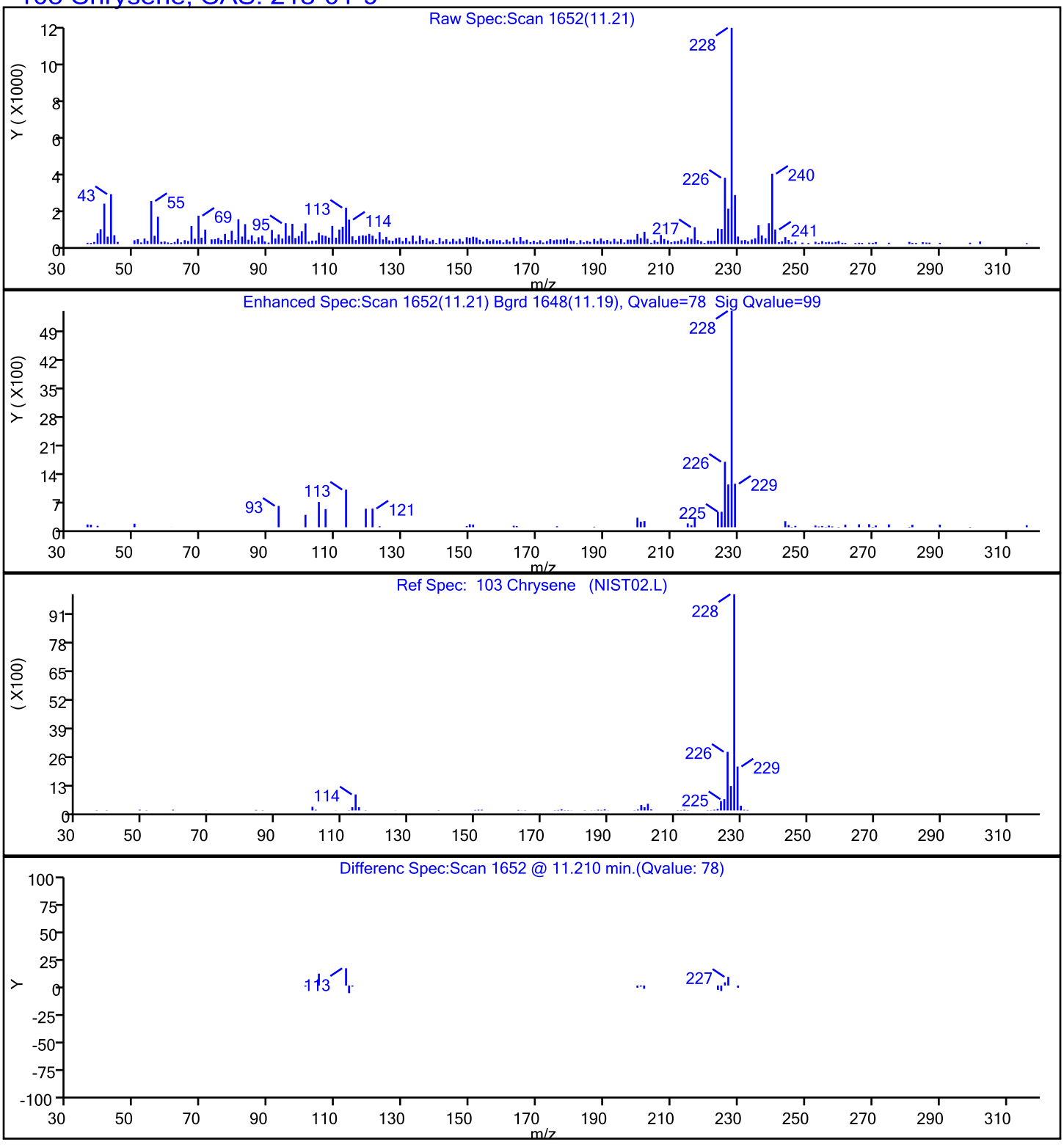
Client ID:	BHP-HA03-COMP-S001				
Operator ID:		ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

103 Chrysene, CAS: 218-01-9



Eurofins Edison

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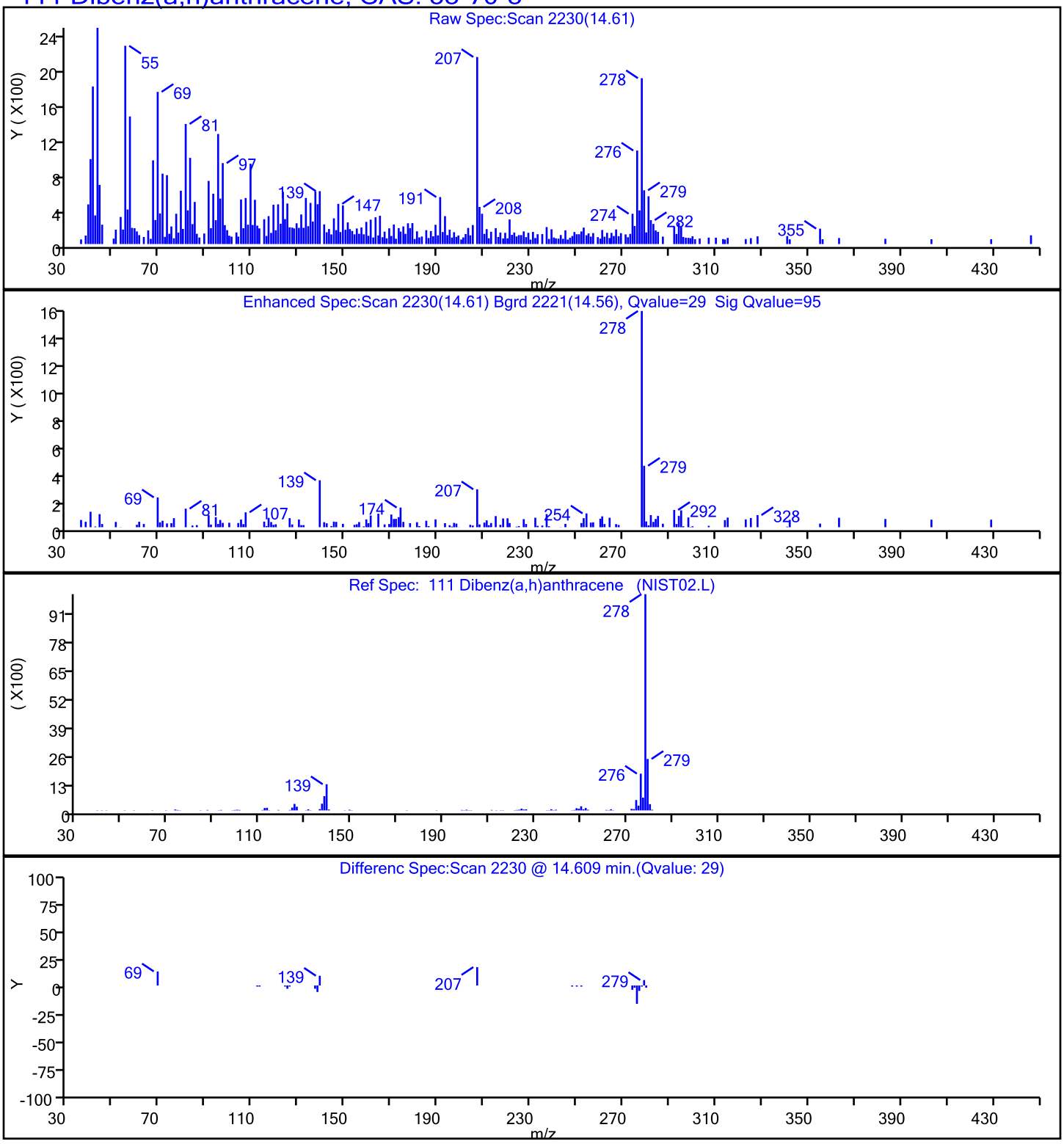
Client ID:	BHP-HA03-COMP-S001				
Operator ID:		ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

111 Dibenz(a,h)anthracene, CAS: 53-70-3



Eurofins Edison

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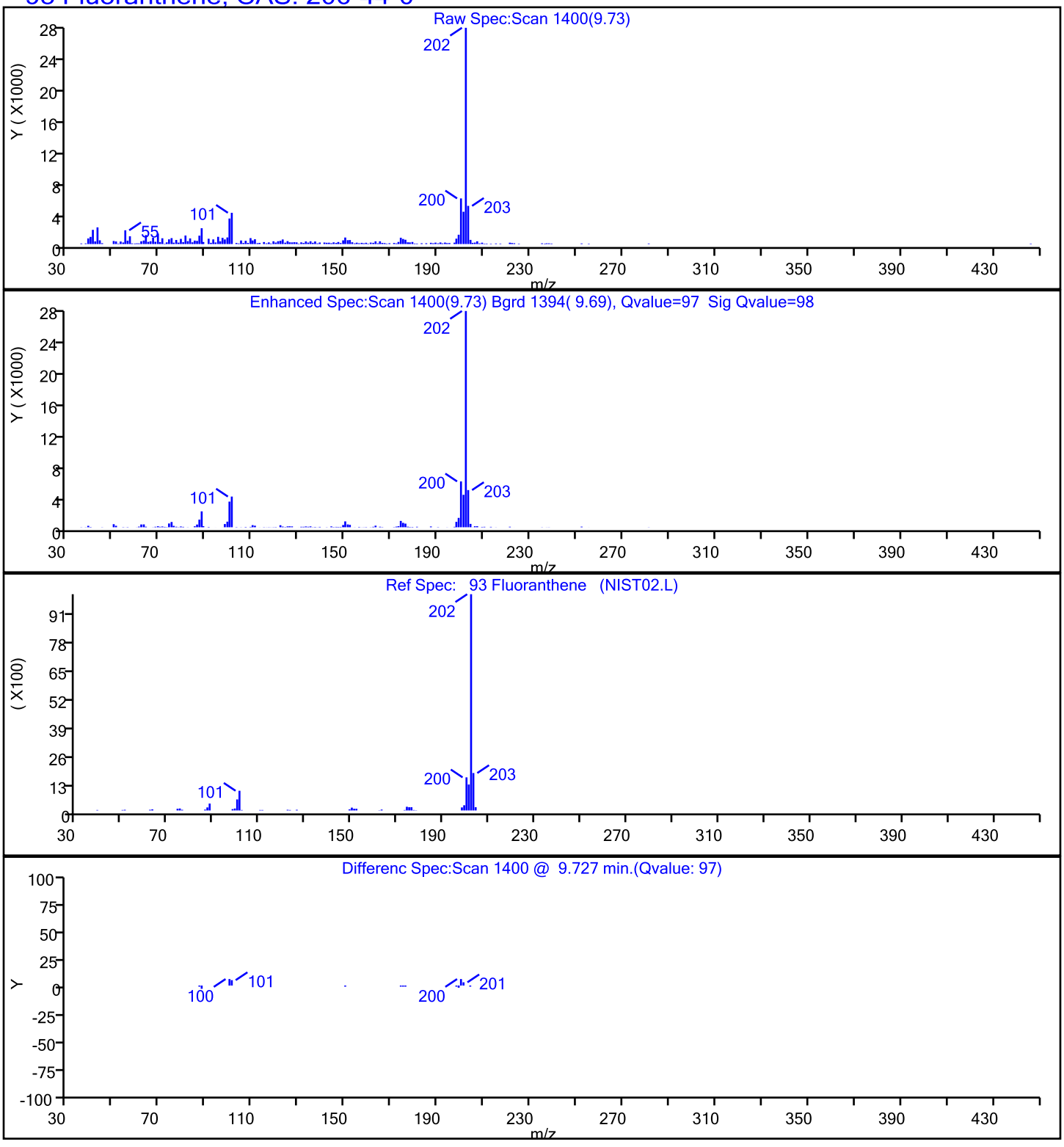
Client ID:	BHP-HA03-COMP-S001				
Operator ID:		ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

93 Fluoranthene, CAS: 206-44-0



Eurofins Edison

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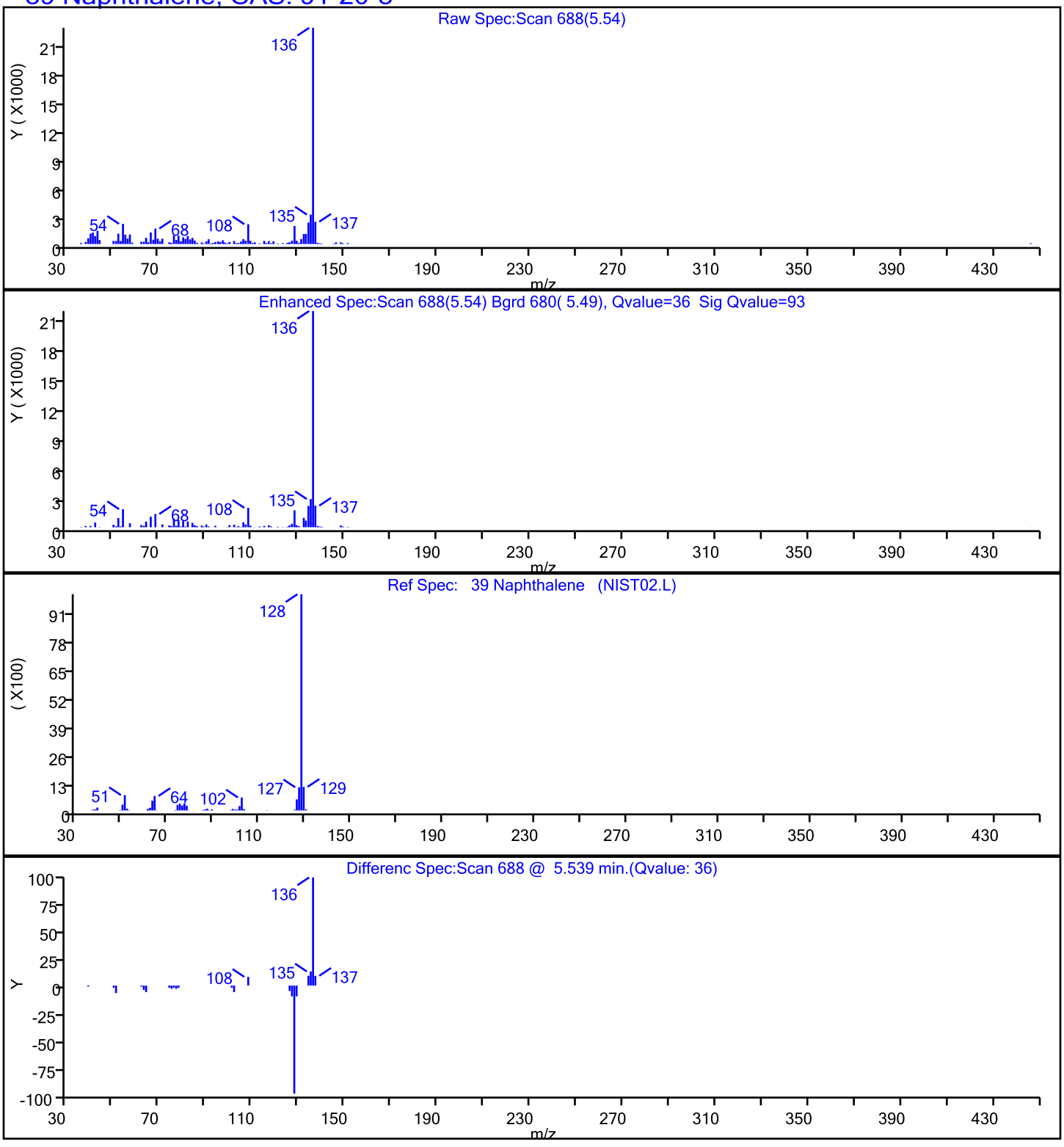
Client ID:	BHP-HA03-COMP-S001				
Operator ID:		ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

39 Naphthalene, CAS: 91-20-3



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42513.d				
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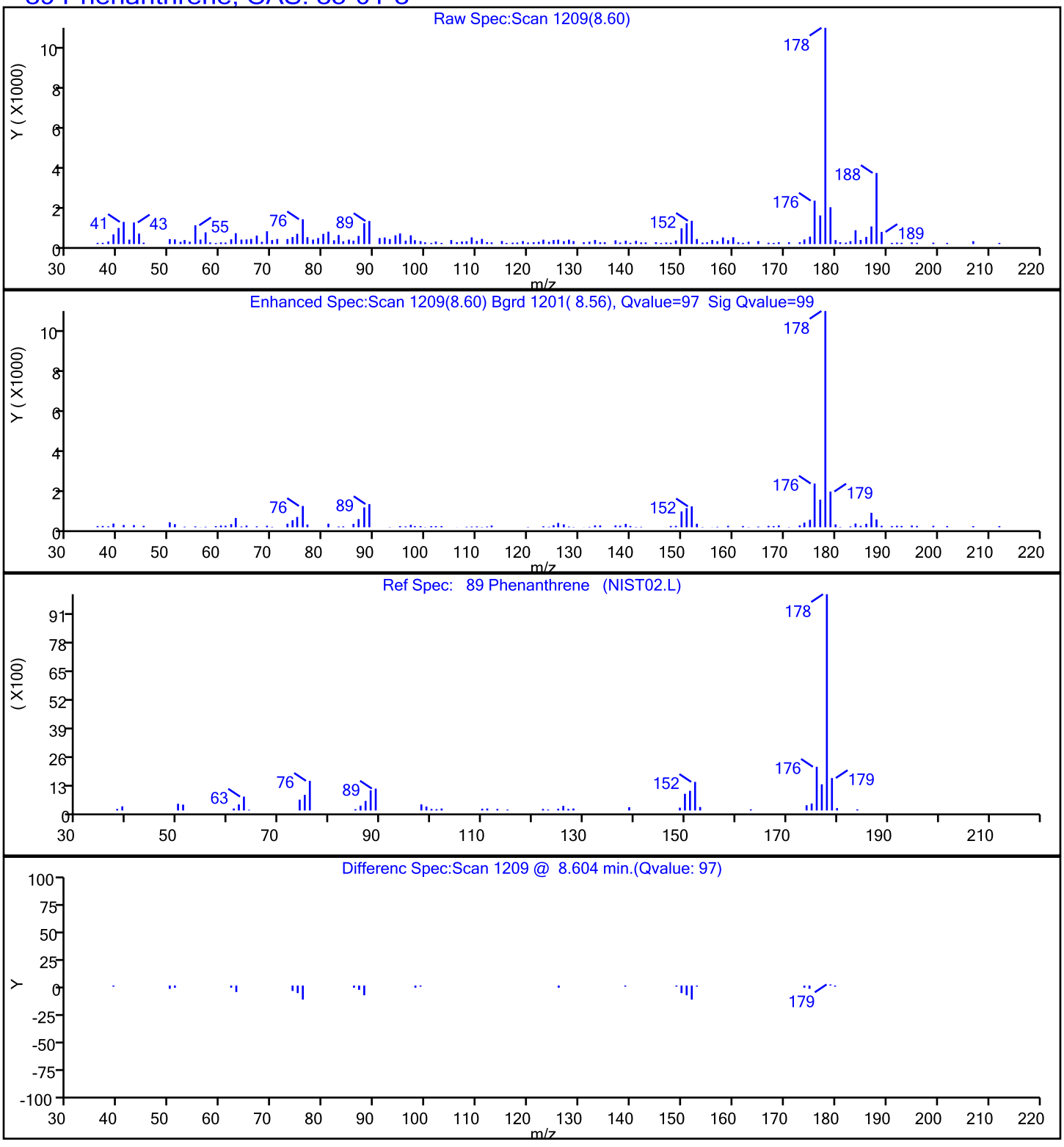
Client ID:	BHP-HA03-COMP-S001				
Operator ID:		ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

89 Phenanthrene, CAS: 85-01-8



Eurofins Edison

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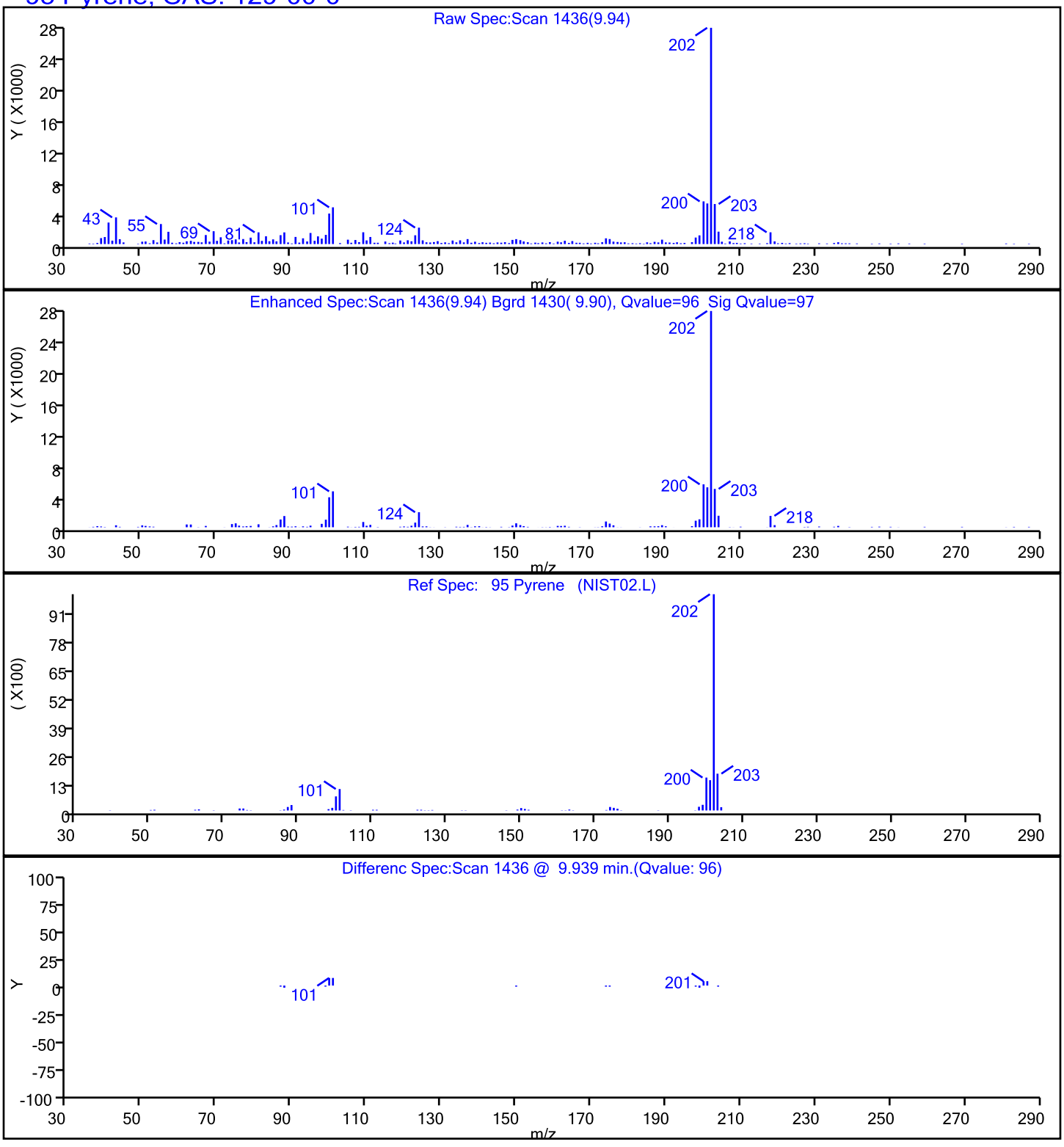
Client ID:	BHP-HA03-COMP-S001				
Operator ID:		ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

95 Pyrene, CAS: 129-00-0



Report Date: 30-Jun-2022 12:09:51 Chrom Revision: 2.3 20-Jun-2022 20:10:40

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42513.d

Injection Date:	30-Jun-2022 01:55:30	Instrument ID:	CBNAMS5		
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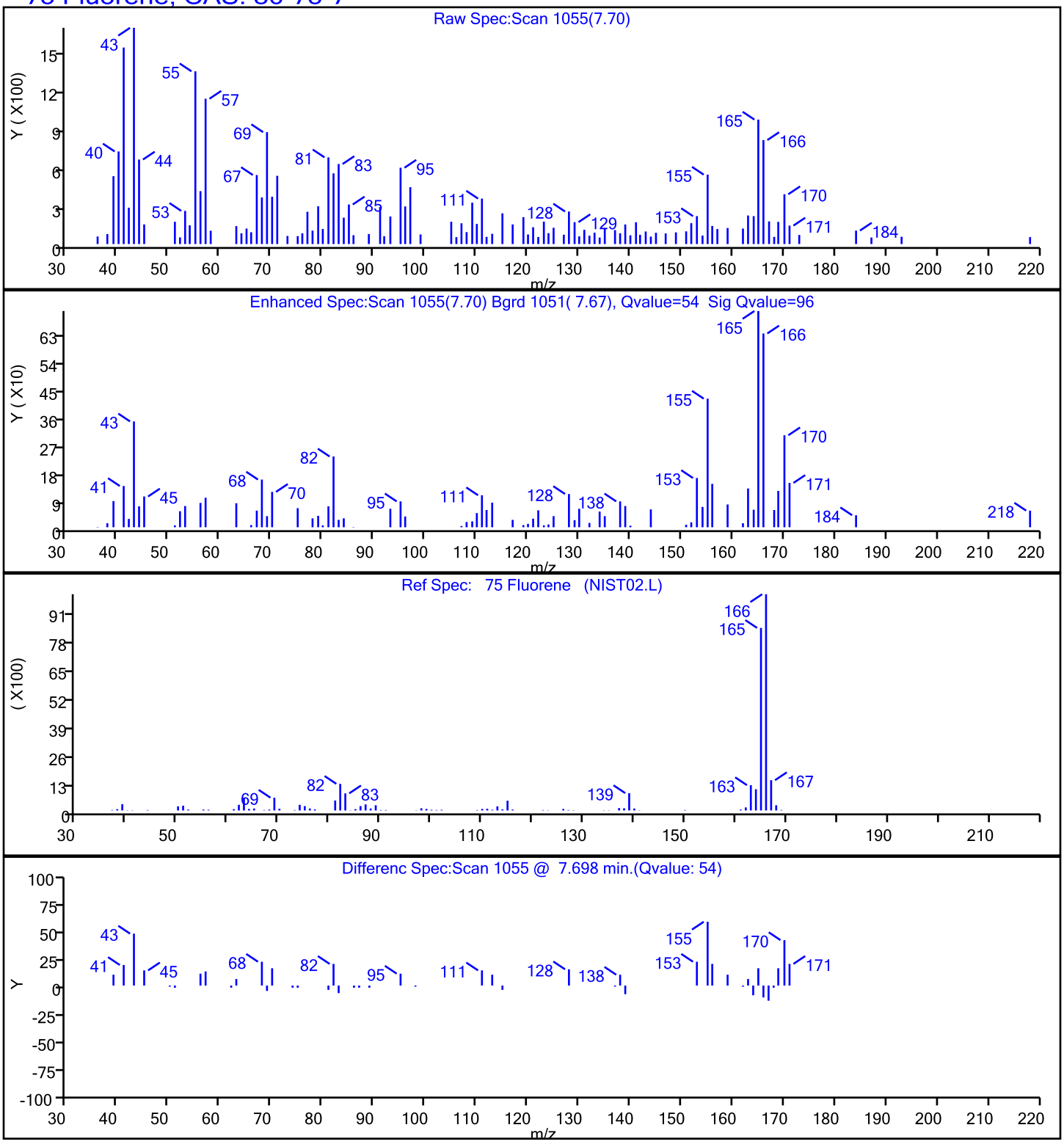
Client ID:	BHP-HA03-COMP-S001				
Operator ID:		ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

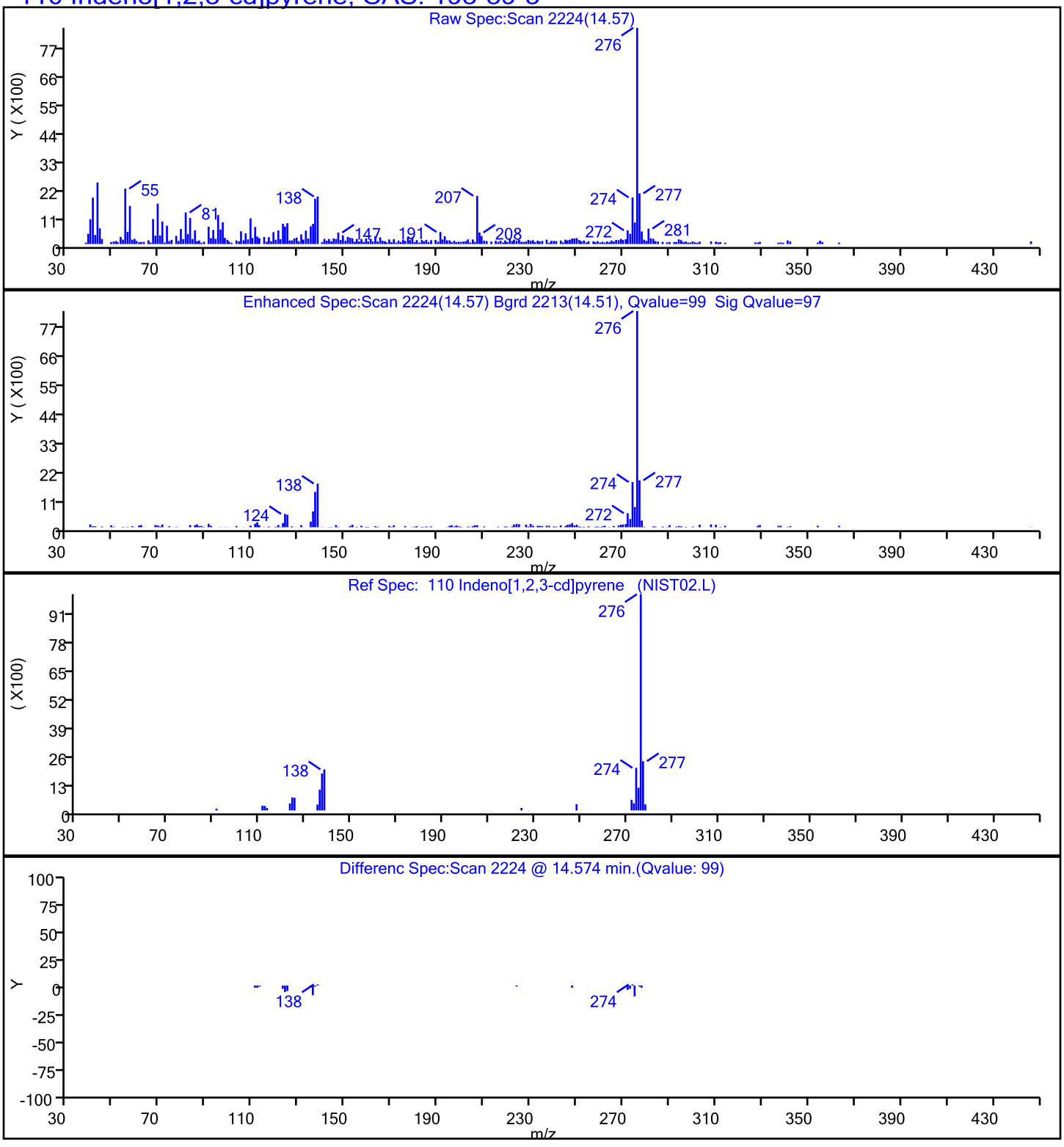
75 Fluorene, CAS: 86-73-7



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42513.d				
Injection Date:	30-Jun-2022 01:55:30	Instrument ID:	CBNAMS5		
Lims ID:	460-260852-A-7-D	Lab Sample ID:	460-260852-7		
Client ID:	BHP-HA03-COMP-S001				
Operator ID:		ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

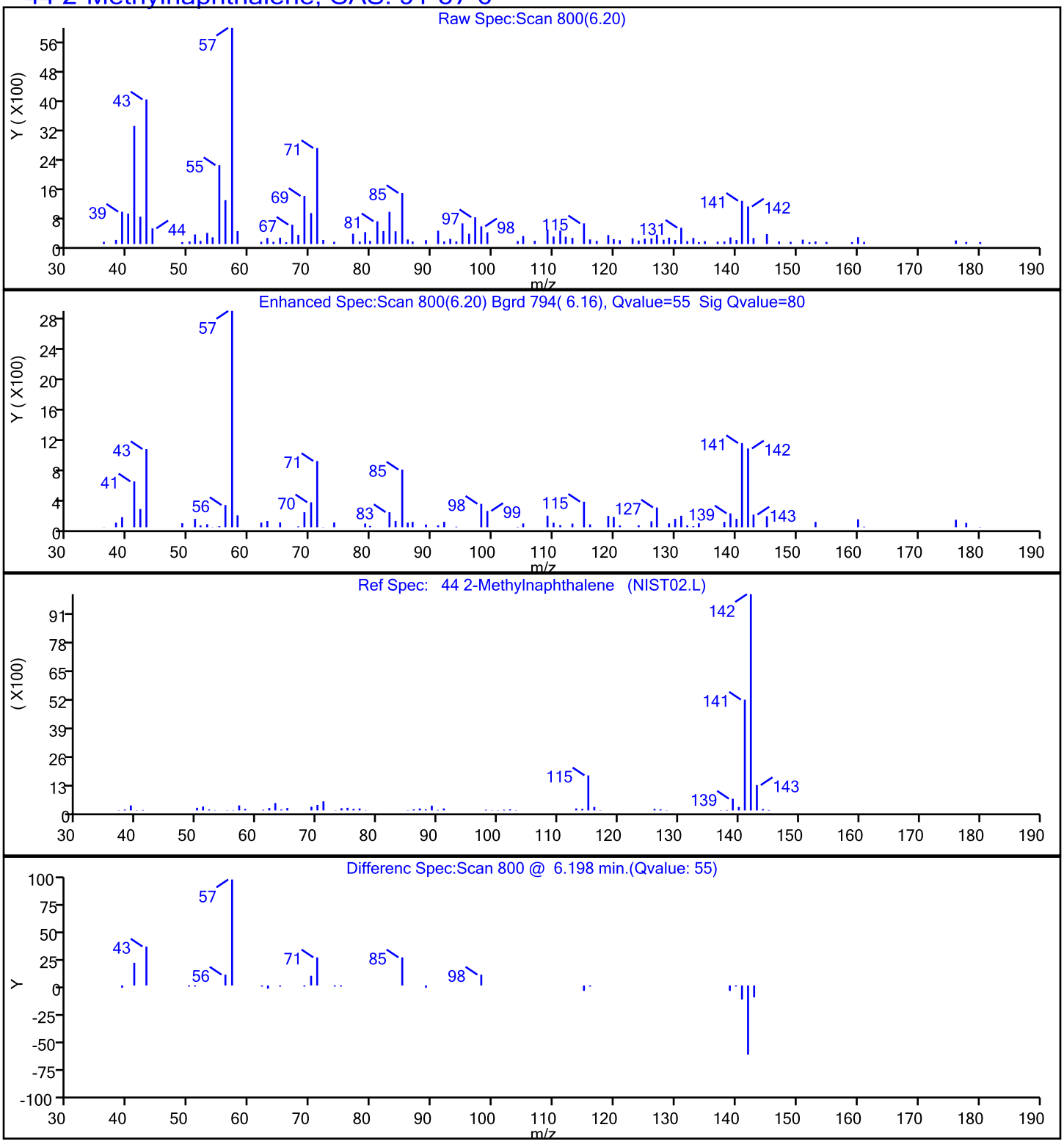
110 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42513.d				
Injection Date:	30-Jun-2022 01:55:30	Instrument ID:	CBNAMS5		
Lims ID:	460-260852-A-7-D	Lab Sample ID:	460-260852-7		
Client ID:	BHP-HA03-COMP-S001				
Operator ID:		ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

44 2-Methylnaphthalene, CAS: 91-57-6



Manual Integration/User Assign Peak Report

Eurofins Edison

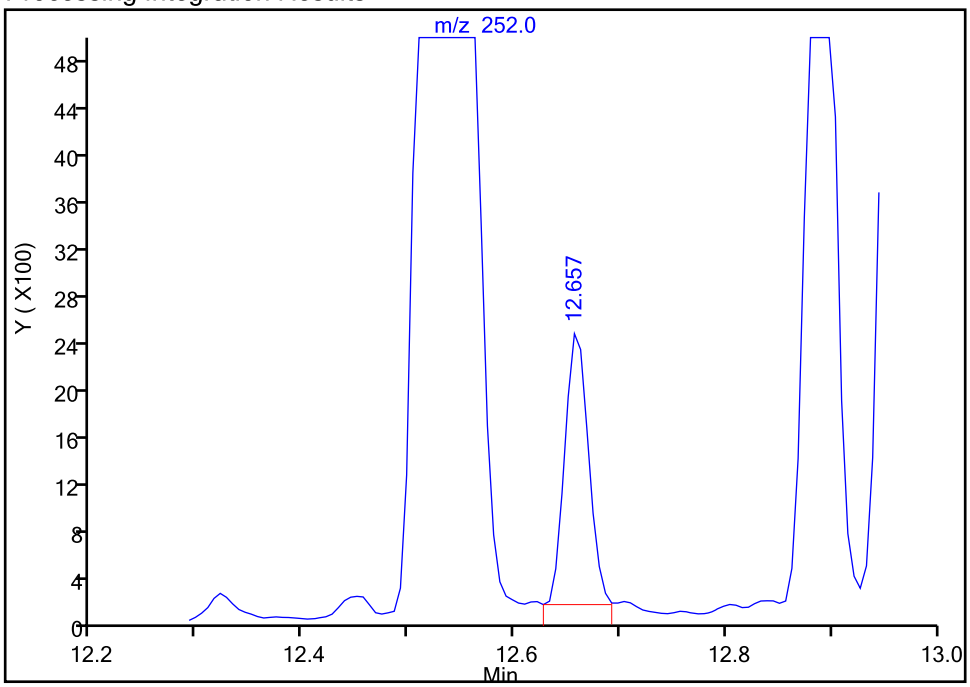
Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42513.d				
Injection Date:	30-Jun-2022 01:55:30	Instrument ID:	CBNAMS5		
Lims ID:	460-260852-A-7-D	Lab Sample ID:	460-260852-7		
Client ID:	BHP-HA03-COMP-S001				
Operator ID:		ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

107 Benzo[k]fluoranthene, CAS: 207-08-9

Signal: 1

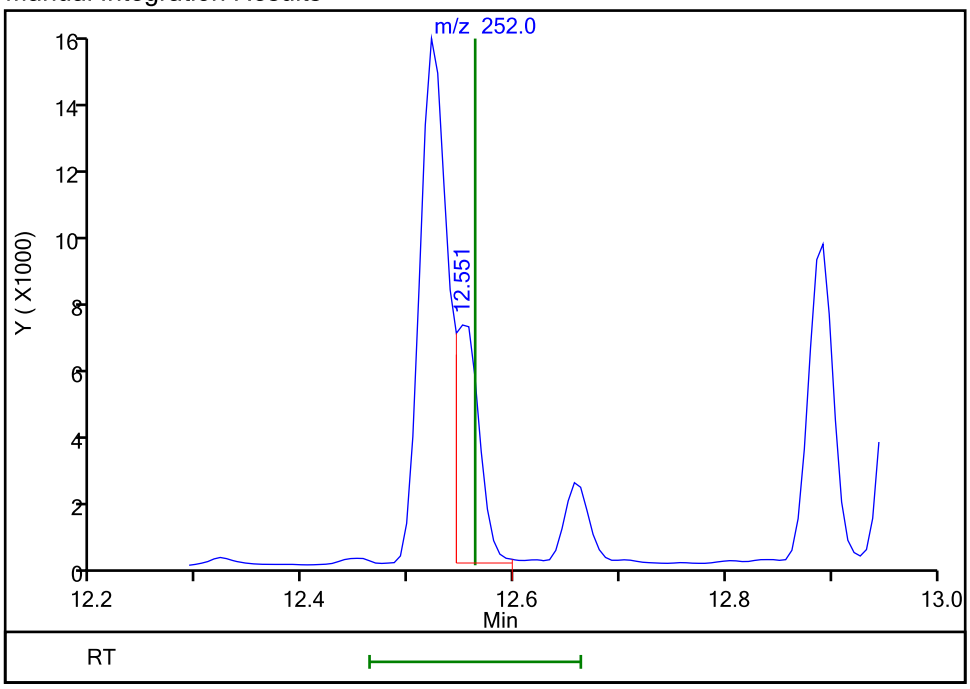
Processing Integration Results

RT: 12.66
Area: 3553
Amount: 0.298591
Amount Units: ug/ml



Manual Integration Results

RT: 12.55
Area: 11233
Amount: 0.944010
Amount Units: ug/ml



Reviewer: maheseep, 30-Jun-2022 16:30:01

Audit Action: Manually Integrated Audit Reason: Wrong peak

Manual Integration/User Assign Peak Report

Eurofins Edison

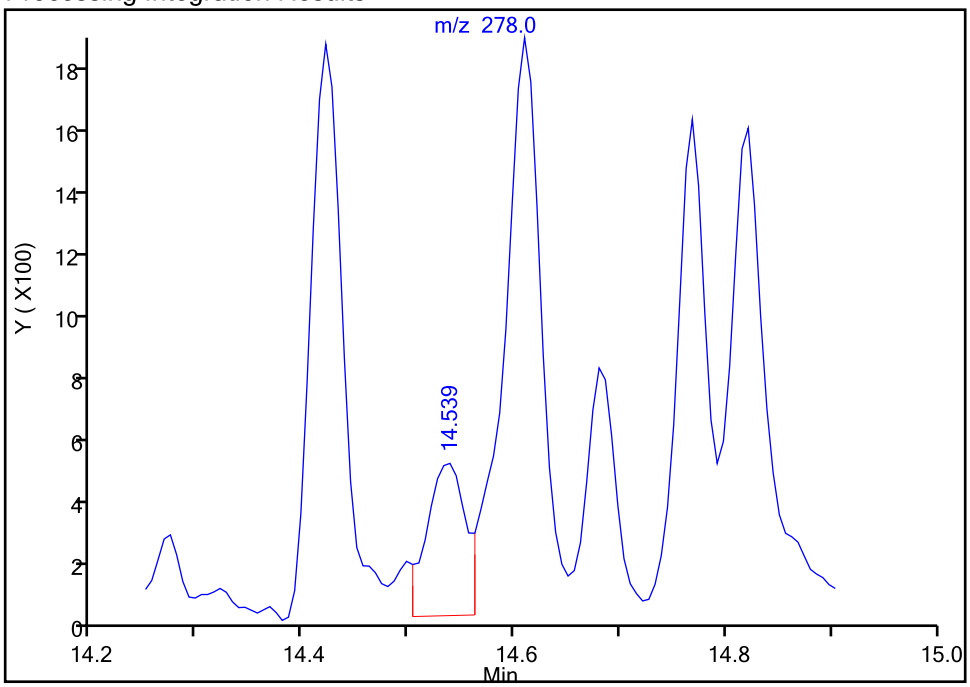
Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42513.d				
Injection Date:	30-Jun-2022 01:55:30	Instrument ID:	CBNAMS5		
Lims ID:	460-260852-A-7-D	Lab Sample ID:	460-260852-7		
Client ID:	BHP-HA03-COMP-S001				
Operator ID:		ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

111 Dibenz(a,h)anthracene, CAS: 53-70-3

Signal: 1

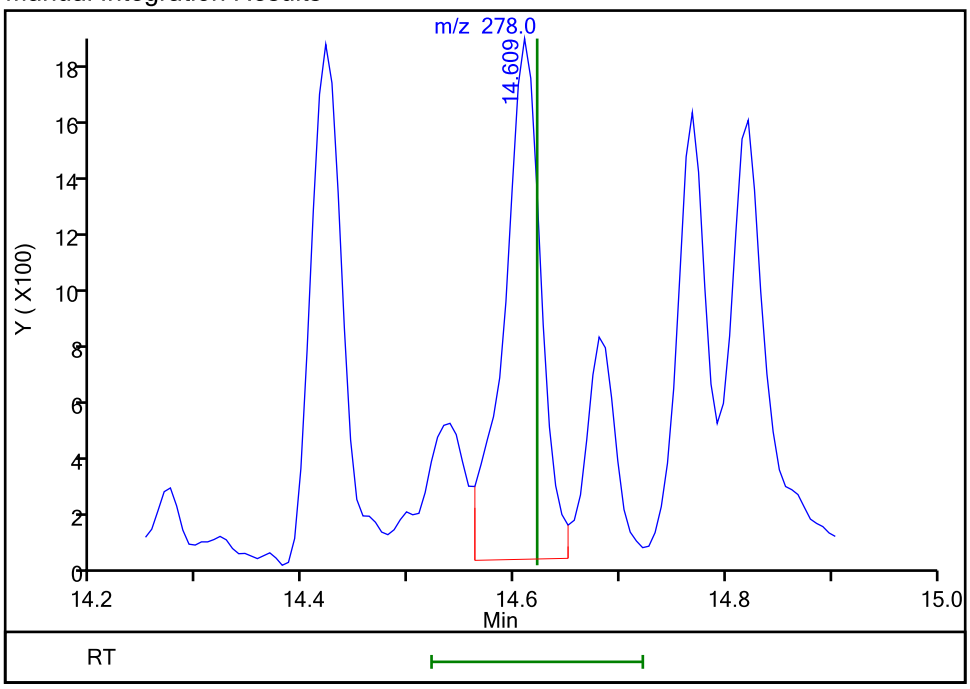
Processing Integration Results

RT: 14.54
Area: 1266
Amount: 0.103122
Amount Units: ug/ml



Manual Integration Results

RT: 14.61
Area: 4408
Amount: 0.359054
Amount Units: ug/ml



Reviewer: maheseep, 30-Jun-2022 16:30:09

Audit Action: Assigned Compound ID Audit Reason: Wrong peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-260852-1

SDG No.:

Client Sample ID: BHP-HA03-COMP-S002 | Lab Sample ID: 460-260852-8

Matrix: Solid | Lab File ID: X42515.d

Analysis Method: 8270C | Date Collected: 06/23/2022 13:15

Extract. Method: 3546 | Date Extracted: 06/29/2022 17:17

Sample wt/vol: 15.00(g) | Date Analyzed: 06/30/2022 02:42

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: 25.0 % Solids: 75.0 | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 852810 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
208-96-8	Acenaphthylene	76	J	440	13
120-12-7	Anthracene	51	J	440	13
56-55-3	Benzo[a]anthracene	250		44	15
205-99-2	Benzo[b]fluoranthene	310		44	11
50-32-8	Benzo[a]pyrene	210		44	12
191-24-2	Benzo[g,h,i]perylene	140	J	440	13
207-08-9	Benzo[k]fluoranthene	110		44	8.7
218-01-9	Chrysene	240	J	440	7.5
53-70-3	Dibenz(a,h)anthracene	38	J	44	19
206-44-0	Fluoranthene	410	J	440	15
91-20-3	Naphthalene	130	J	440	7.6
85-01-8	Phenanthrene	190	J	440	7.8
129-00-0	Pyrene	340	J	440	11
86-73-7	Fluorene	26	J	440	13
83-32-9	Acenaphthene	14	J	440	13
193-39-5	Indeno[1,2,3-cd]pyrene	160		44	17
91-58-7	2-Chloronaphthalene	65	J	440	20
91-57-6	2-Methylnaphthalene	31	J	440	12

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	88		22-122
4165-60-0	Nitrobenzene-d5 (Surr)	88		16-125
1718-51-0	Terphenyl-d14 (Surr)	88		25-126

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42515.d
Lims ID: 460-260852-A-8-D
Client ID: BHP-HA03-COMP-S002
Sample Type: Client
Inject. Date: 30-Jun-2022 02:42:30 ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0147251-013
Operator ID: Instrument ID: CBNAMS5

Method: \\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\8270_5R.m
Limit Group: SV 8270 DEL ICAL
Last Update: 30-Jun-2022 11:56:45 Calib Date: 03-Jun-2022 09:29:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS5\20220602-146048.b\X41882.d

Column 1 : Det: MS SCAN
Process Host: CTX1633

First Level Reviewer: maheseep Date: 30-Jun-2022 16:31:28

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 14 1,4-Dichlorobenzene-d4	152	4.304	4.304	0.000	98	123992	40.0	
$ 26 Nitrobenzene-d5	82	4.834	4.840	-0.006	92	215607	43.9	
* 38 Naphthalene-d8	136	5.522	5.522	0.000	99	463730	40.0	
39 Naphthalene	128	5.540	5.540	0.000	89	18158	1.52	
44 2-Methylnaphthalene	142	6.198	6.198	0.000	76	2809	0.3540	
$ 51 2-Fluorobiphenyl	172	6.551	6.557	0.000	97	373862	43.9	
53 2-Chloronaphthalene	162	6.663	6.668	0.000	96	4720	0.7287	
61 Acenaphthylene	152	7.051	7.057	0.000	96	9133	0.8589	
* 65 Acenaphthene-d10	164	7.181	7.181	0.000	97	220184	40.0	
67 Acenaphthene	154	7.210	7.222	-0.006	3	1011	0.1623	
75 Fluorene	166	7.698	7.705	0.000	72	2024	0.2882	
* 88 Phenanthrene-d10	188	8.581	8.581	0.000	99	382915	40.0	
89 Phenanthrene	178	8.604	8.610	0.000	75	21470	2.13	
90 Anthracene	178	8.651	8.657	0.000	95	6000	0.5778	
93 Fluoranthene	202	9.728	9.734	0.000	97	50328	4.58	
95 Pyrene	202	9.939	9.950	0.000	95	41368	3.85	
$ 96 Terphenyl-d14	244	10.098	10.109	0.000	98	421094	43.9	
101 Benzo[a]anthracene	228	11.174	11.186	-0.001	55	29383	2.82	
* 102 Chrysene-d12	240	11.186	11.186	0.000	99	335492	40.0	
103 Chrysene	228	11.216	11.227	0.000	88	25736	2.67	
106 Benzo[b]fluoranthene	252	12.527	12.539	0.005	97	41362	3.46	
107 Benzo[k]fluoranthene	252	12.557	12.568	-0.006	1	14737	1.22	Ma
108 Benzo[a]pyrene	252	12.963	12.986	-0.006	96	26847	2.34	
* 109 Perylene-d12	264	13.051	13.045	0.006	98	425974	40.0	
110 Indeno[1,2,3-cd]pyrene	276	14.574	14.600	-0.006	98	21563	1.84	
111 Dibenz(a,h)anthracene	278	14.615	14.633	-0.006	29	5377	0.4327	a
112 Benzo[g,h,i]perylene	276	14.992	15.018	-0.006	90	20016	1.56	

QC Flag Legend
Processing Flags

Review Flags
M - Manually Integrated
a - User Assigned ID

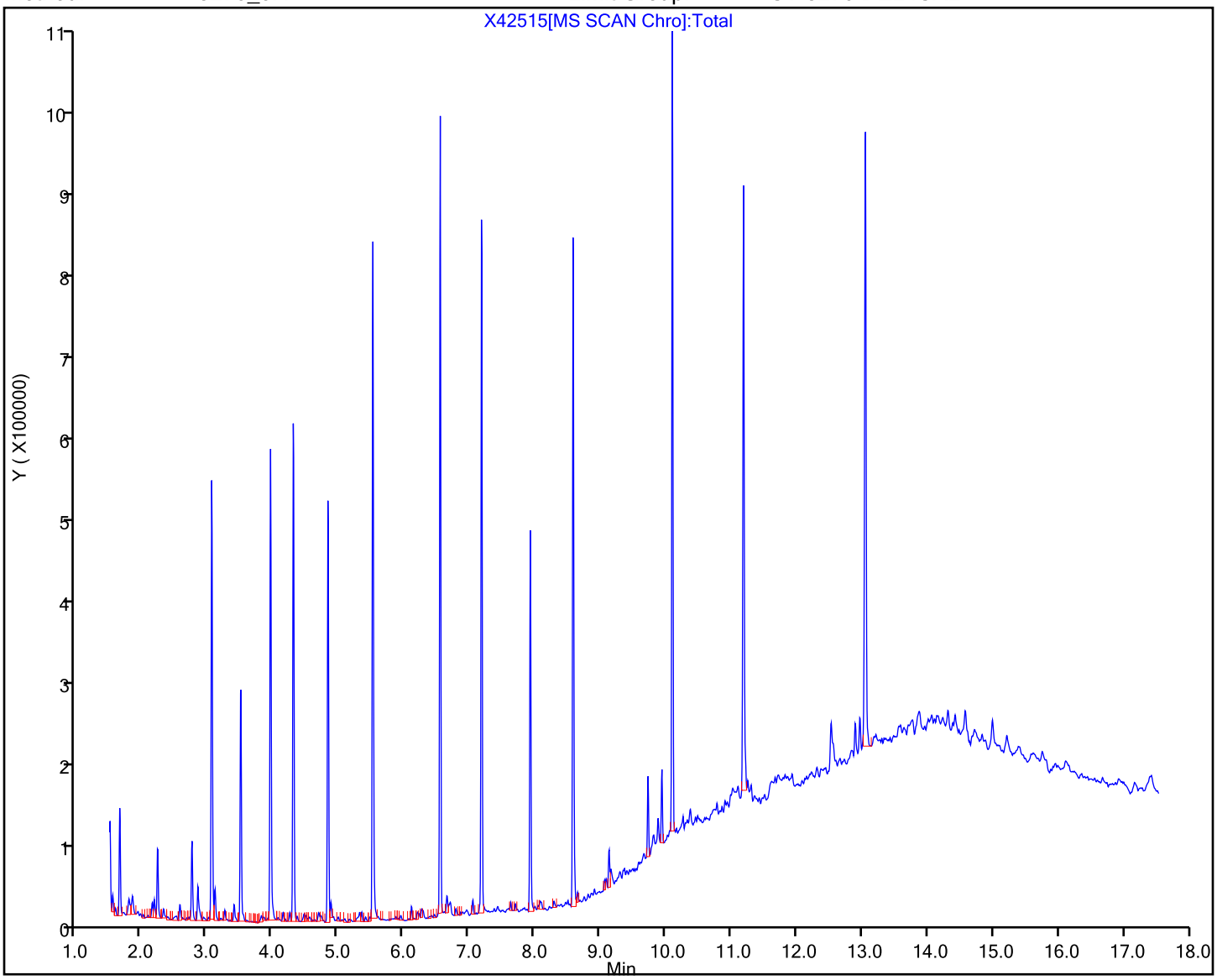
Reagents:

SM_ISTD_00196 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 30-Jun-2022 12:09:55 Chrom Revision: 2.3 20-Jun-2022 20:10:40

Eurofins Edison

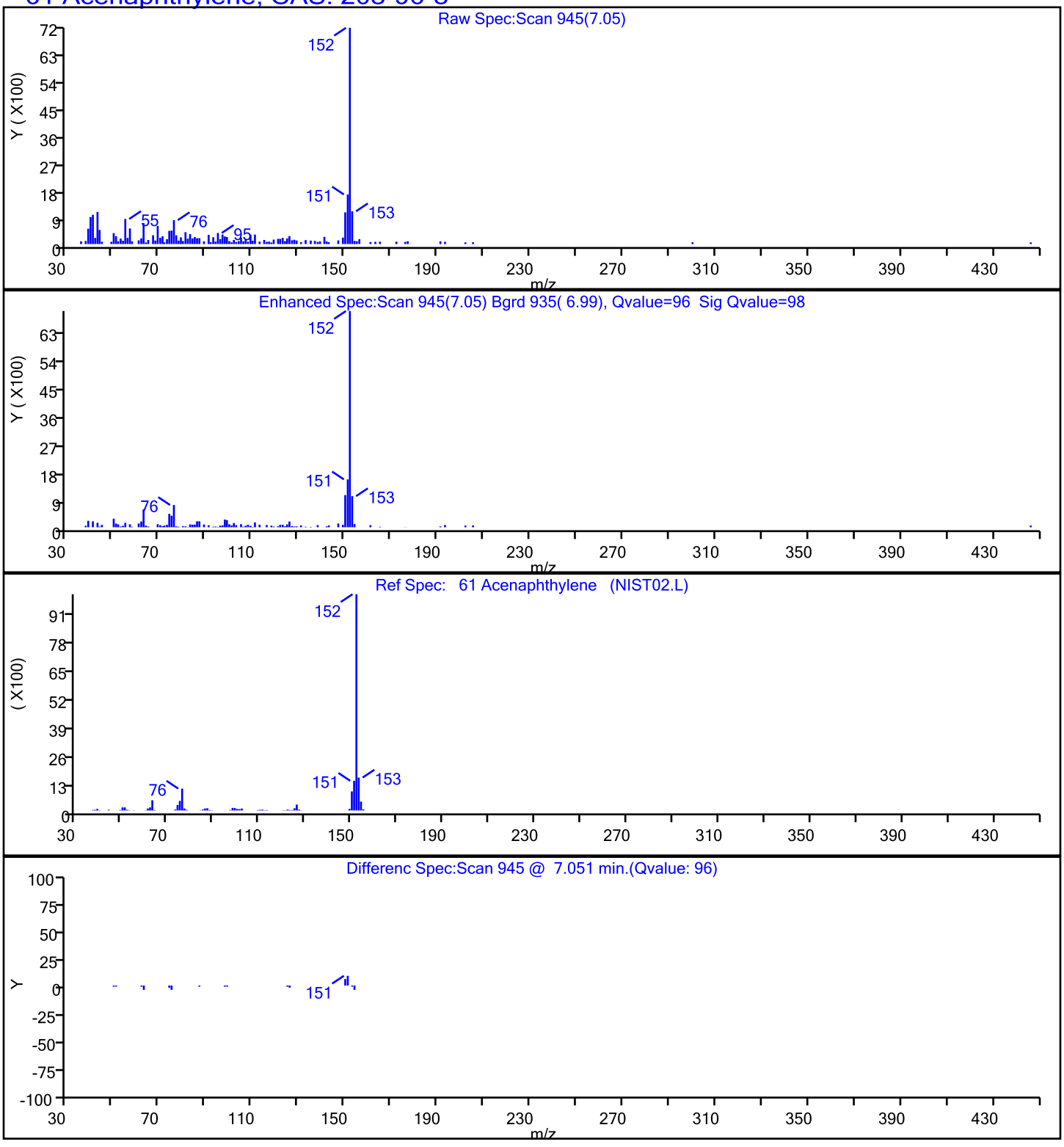
Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42515.d				
Injection Date:	30-Jun-2022 02:42:30	Instrument ID:	CBNAMS5		
Lims ID:	460-260852-A-8-D	Lab Sample ID:	460-260852-8		
Client ID:	BHP-HA03-COMP-S002				
Operator ID:		ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42515.d				
Injection Date:	30-Jun-2022 02:42:30	Instrument ID:	CBNAMS5		
Lims ID:	460-260852-A-8-D	Lab Sample ID:	460-260852-8		
Client ID:	BHP-HA03-COMP-S002				
Operator ID:		ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

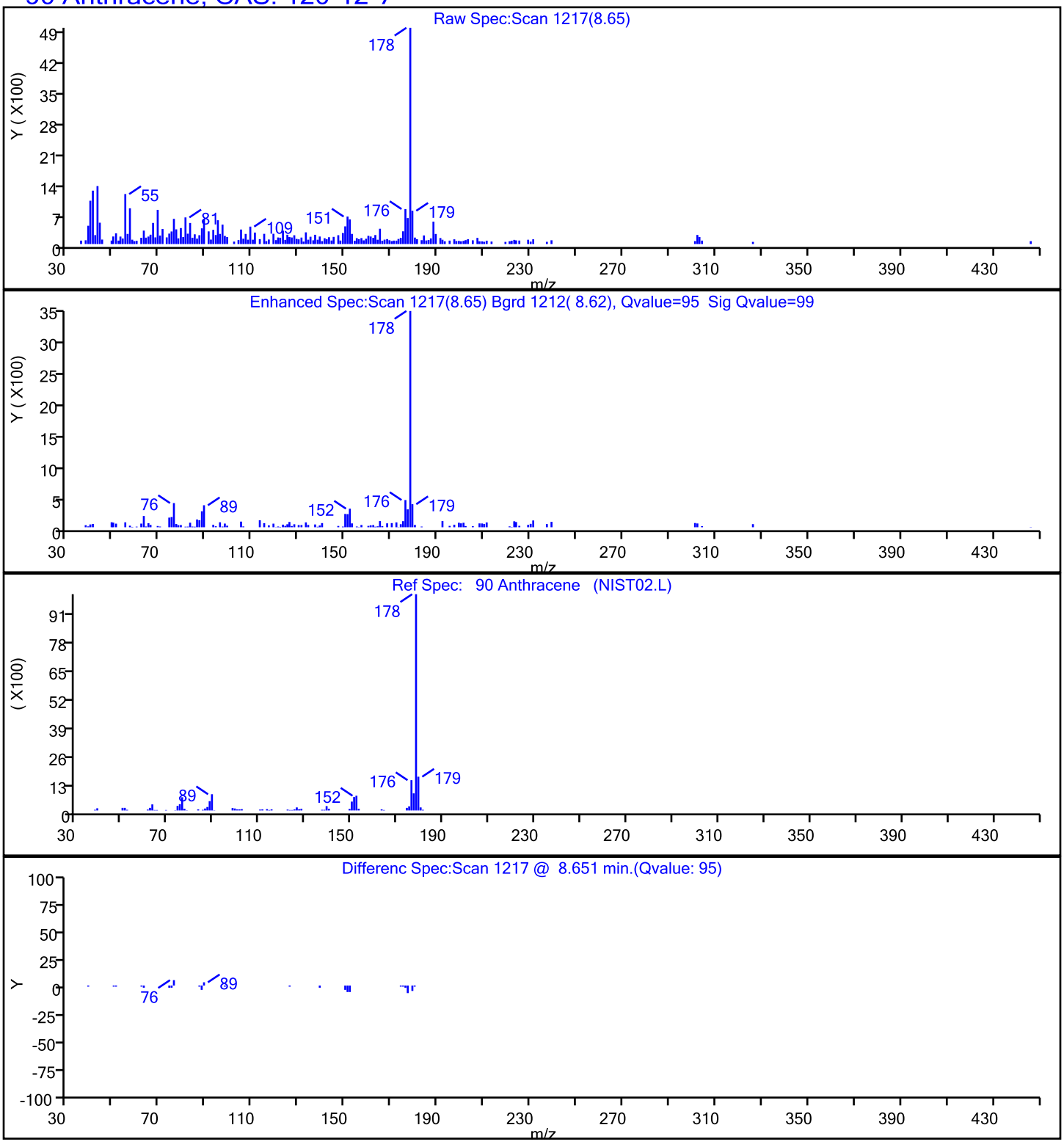
61 Acenaphthylene, CAS: 208-96-8



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42515.d				
Injection Date:	30-Jun-2022 02:42:30	Instrument ID:	CBNAMS5		
Lims ID:	460-260852-A-8-D	Lab Sample ID:	460-260852-8		
Client ID:	BHP-HA03-COMP-S002				
Operator ID:		ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

90 Anthracene, CAS: 120-12-7



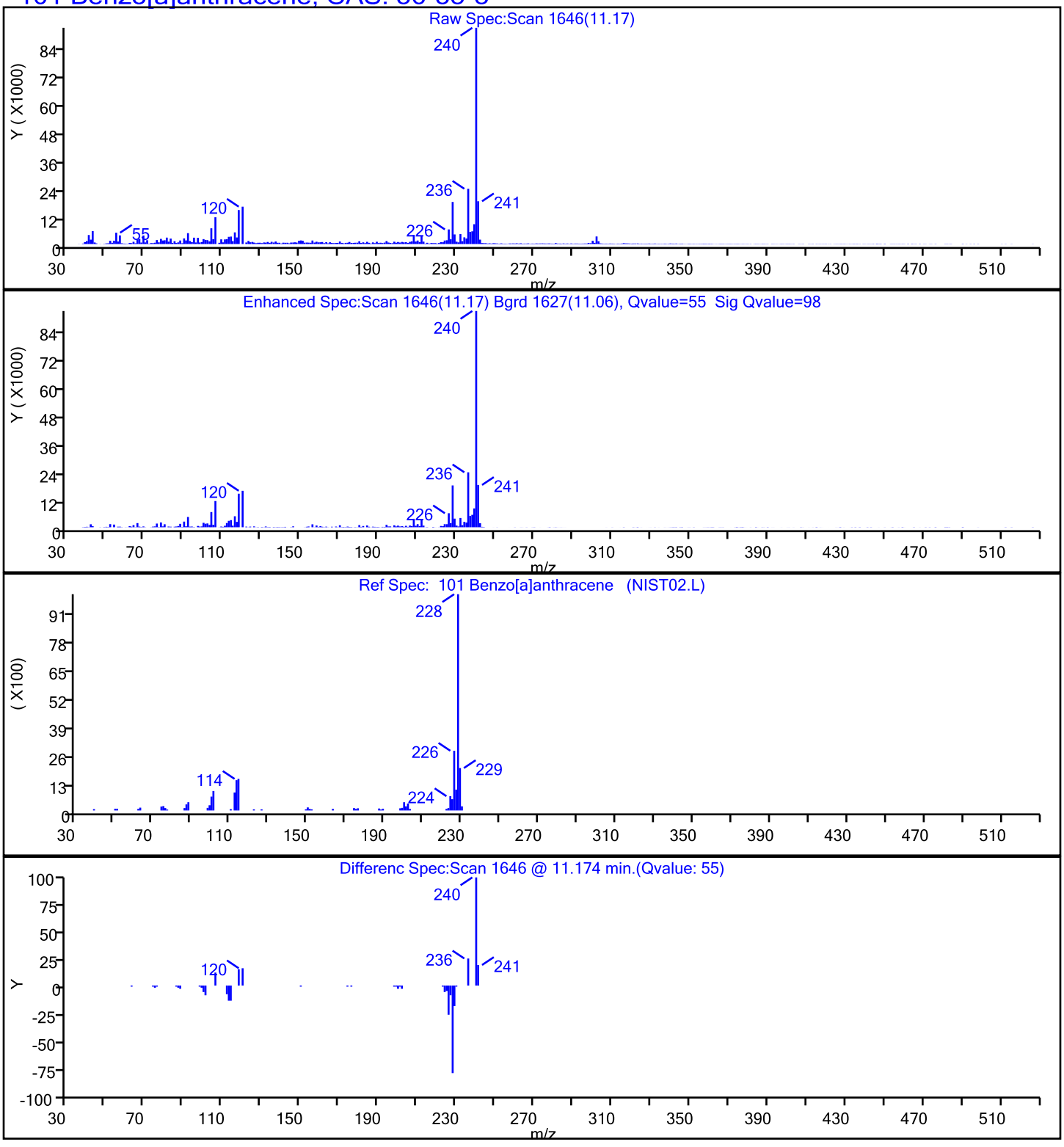
Report Date: 30-Jun-2022 12:09:55 Chrom Revision: 2.3 20-Jun-2022 20:10:40

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42515.d

Injection Date:	30-Jun-2022 02:42:30	Instrument ID:	CBNAMS5		
Lims ID:	460-260852-A-8-D	Lab Sample ID:	460-260852-8		
Client ID:	BHP-HA03-COMP-S002				
Operator ID:		ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

101 Benzo[a]anthracene, CAS: 56-55-3



Report Date: 30-Jun-2022 12:09:55 Chrom Revision: 2.3 20-Jun-2022 20:10:40

Eurofins Edison

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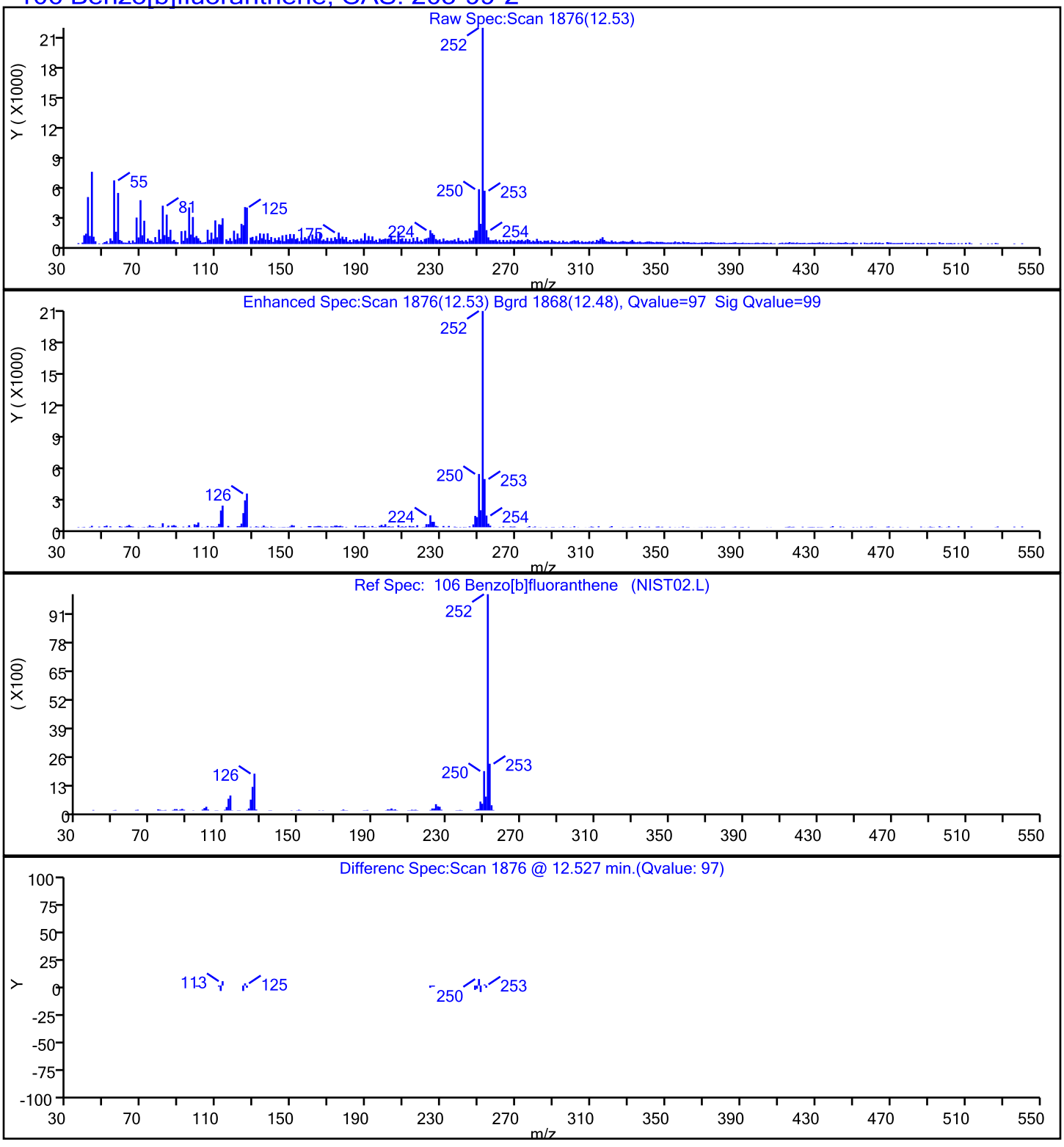
Injection Date:	30-Jun-2022 02:42:30	Instrument ID:	CBNAMS5		
Lims ID:	460-260852-A-8-D	Lab Sample ID:	460-260852-8		
Client ID:	BHP-HA03-COMP-S002				
Operator ID:		ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

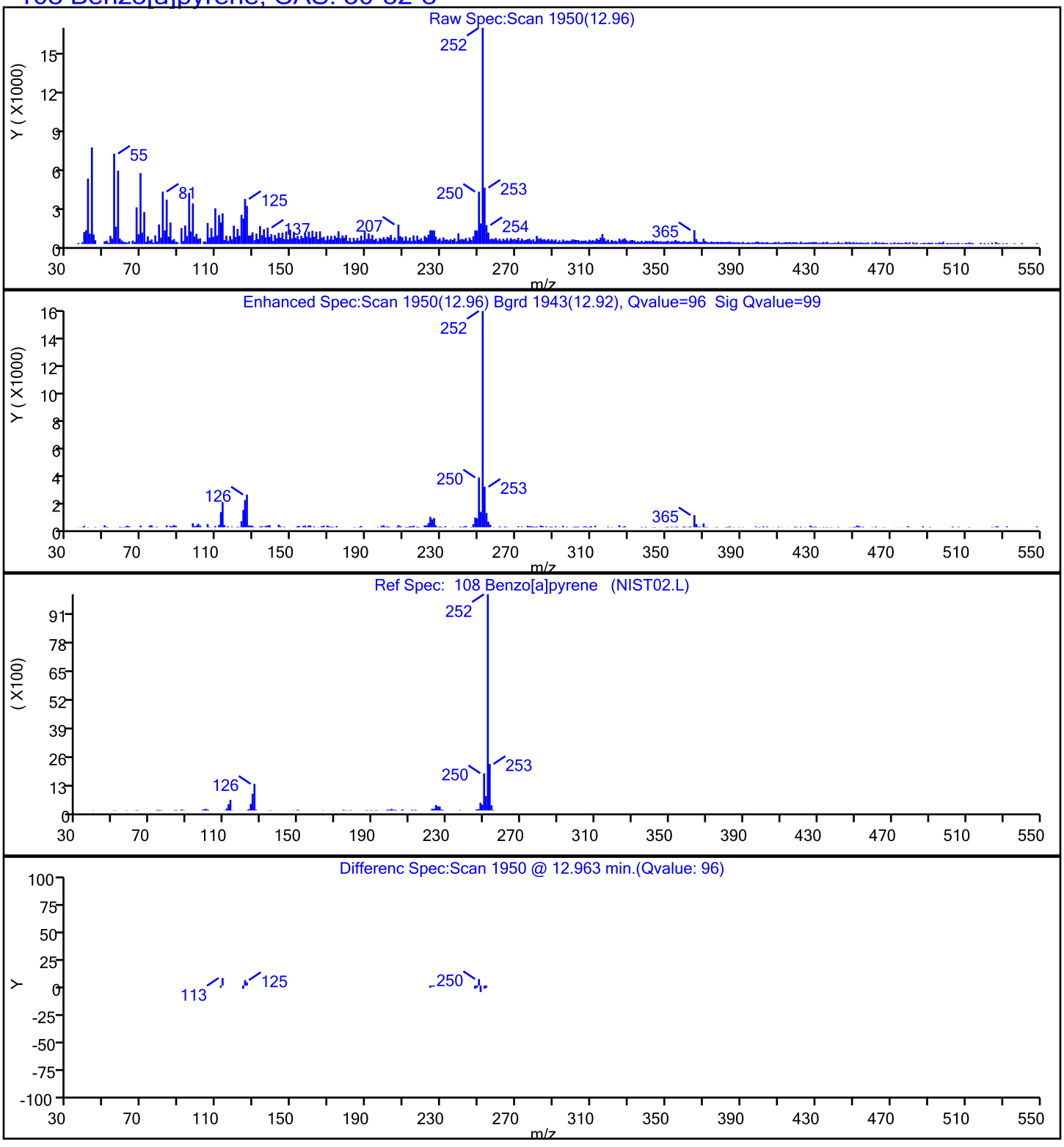
106 Benzo[b]fluoranthene, CAS: 205-99-2



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42515.d				
Injection Date:	30-Jun-2022 02:42:30	Instrument ID:	CBNAMS5		
Lims ID:	460-260852-A-8-D	Lab Sample ID:	460-260852-8		
Client ID:	BHP-HA03-COMP-S002				
Operator ID:		ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

108 Benzo[a]pyrene, CAS: 50-32-8

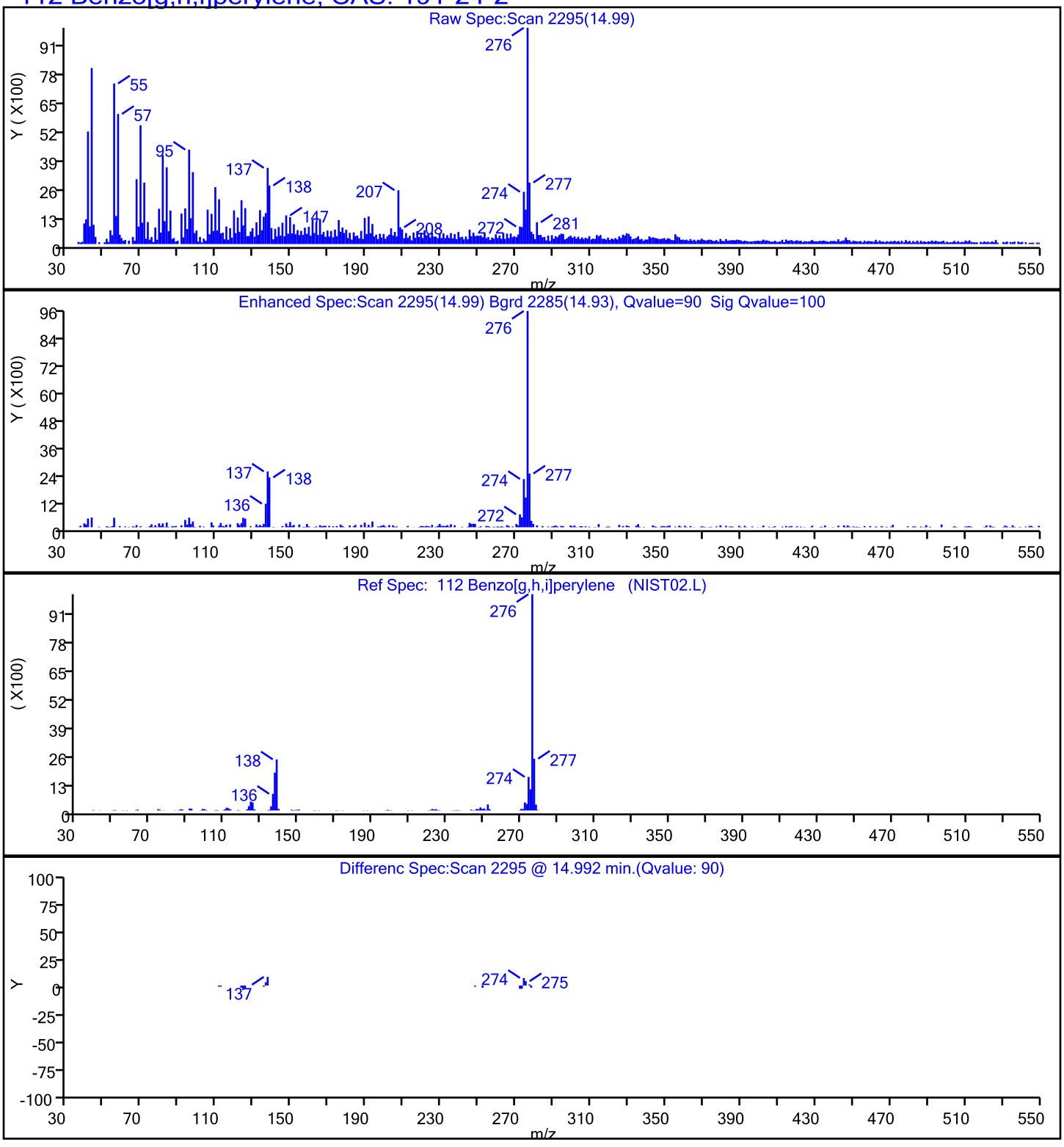


Report Date: 30-Jun-2022 12:09:55 Chrom Revision: 2.3 20-Jun-2022 20:10:40

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42515.d				
Injection Date:	30-Jun-2022 02:42:30	Instrument ID:	CBNAMS5		
Lims ID:	460-260852-A-8-D	Lab Sample ID:	460-260852-8		
Client ID:	BHP-HA03-COMP-S002				
Operator ID:		ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

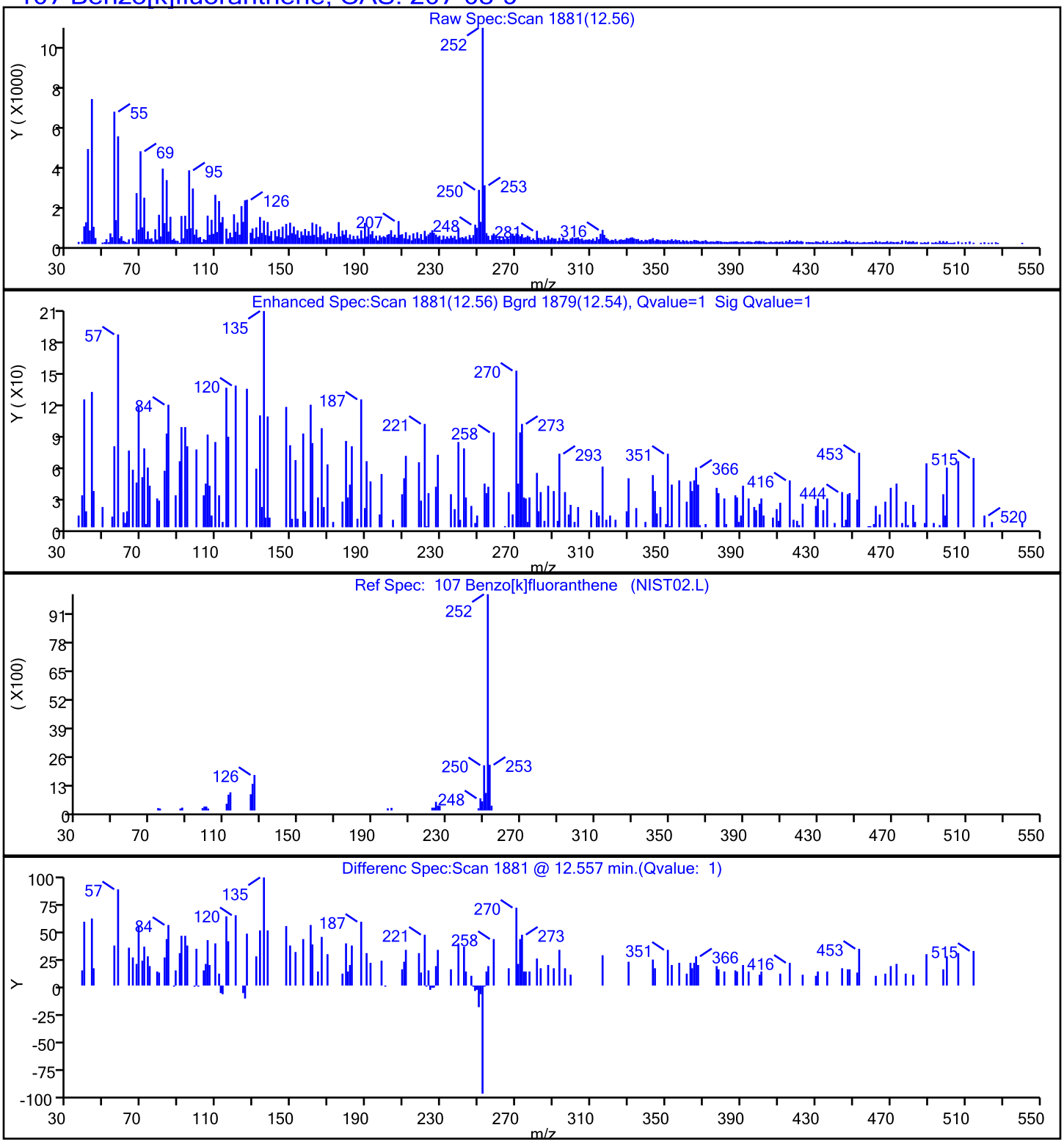
112 Benzo[g,h,i]perylene, CAS: 191-24-2



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42515.d				
Injection Date:	30-Jun-2022 02:42:30	Instrument ID:	CBNAMS5		
Lims ID:	460-260852-A-8-D	Lab Sample ID:	460-260852-8		
Client ID:	BHP-HA03-COMP-S002				
Operator ID:		ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

107 Benzo[k]fluoranthene, CAS: 207-08-9



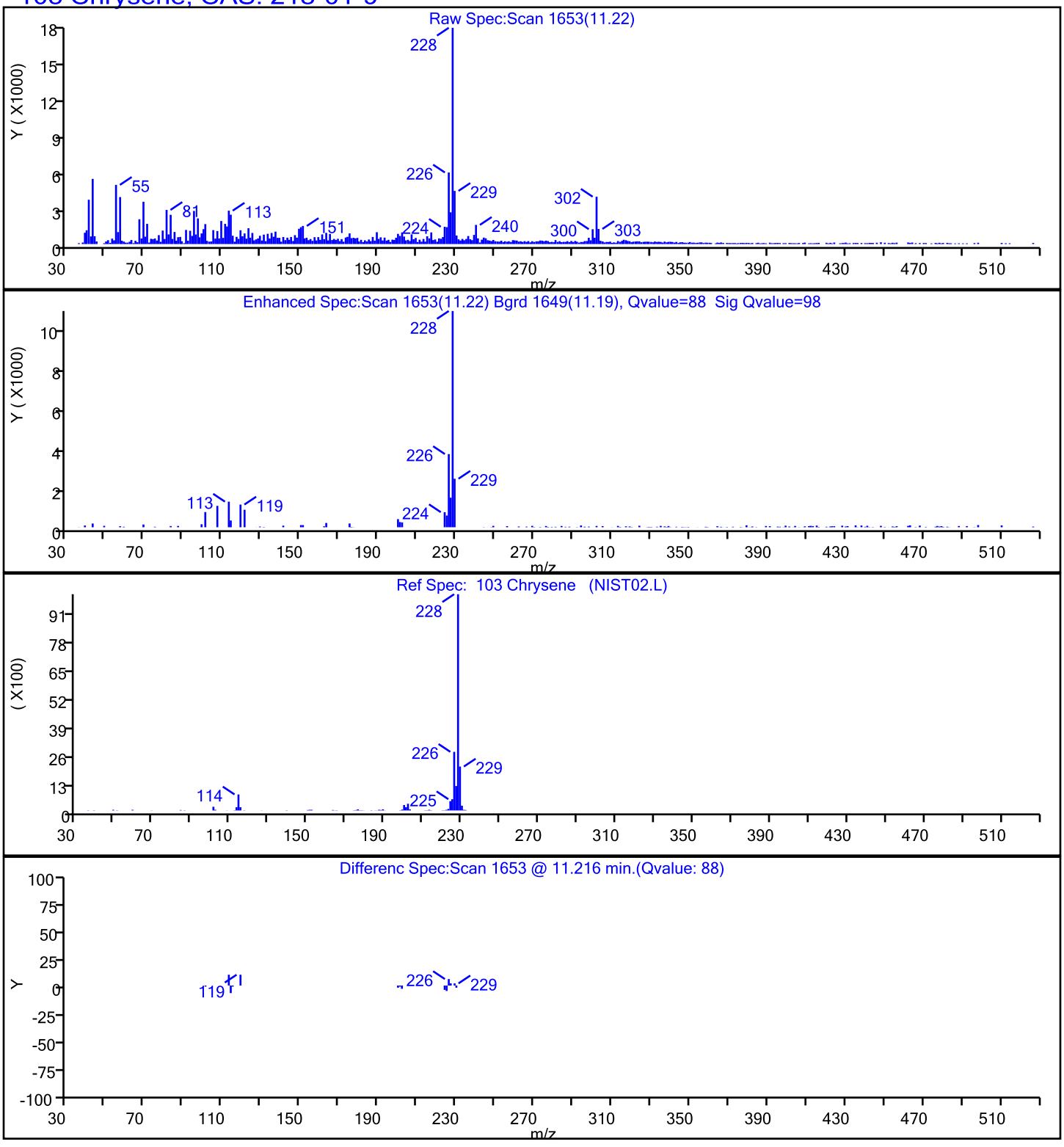
Report Date: 30-Jun-2022 12:09:55 Chrom Revision: 2.3 20-Jun-2022 20:10:40

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42515.d

Injection Date:	30-Jun-2022 02:42:30	Instrument ID:	CBNAMS5		
Lims ID:	460-260852-A-8-D	Lab Sample ID:	460-260852-8		
Client ID:	BHP-HA03-COMP-S002				
Operator ID:		ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

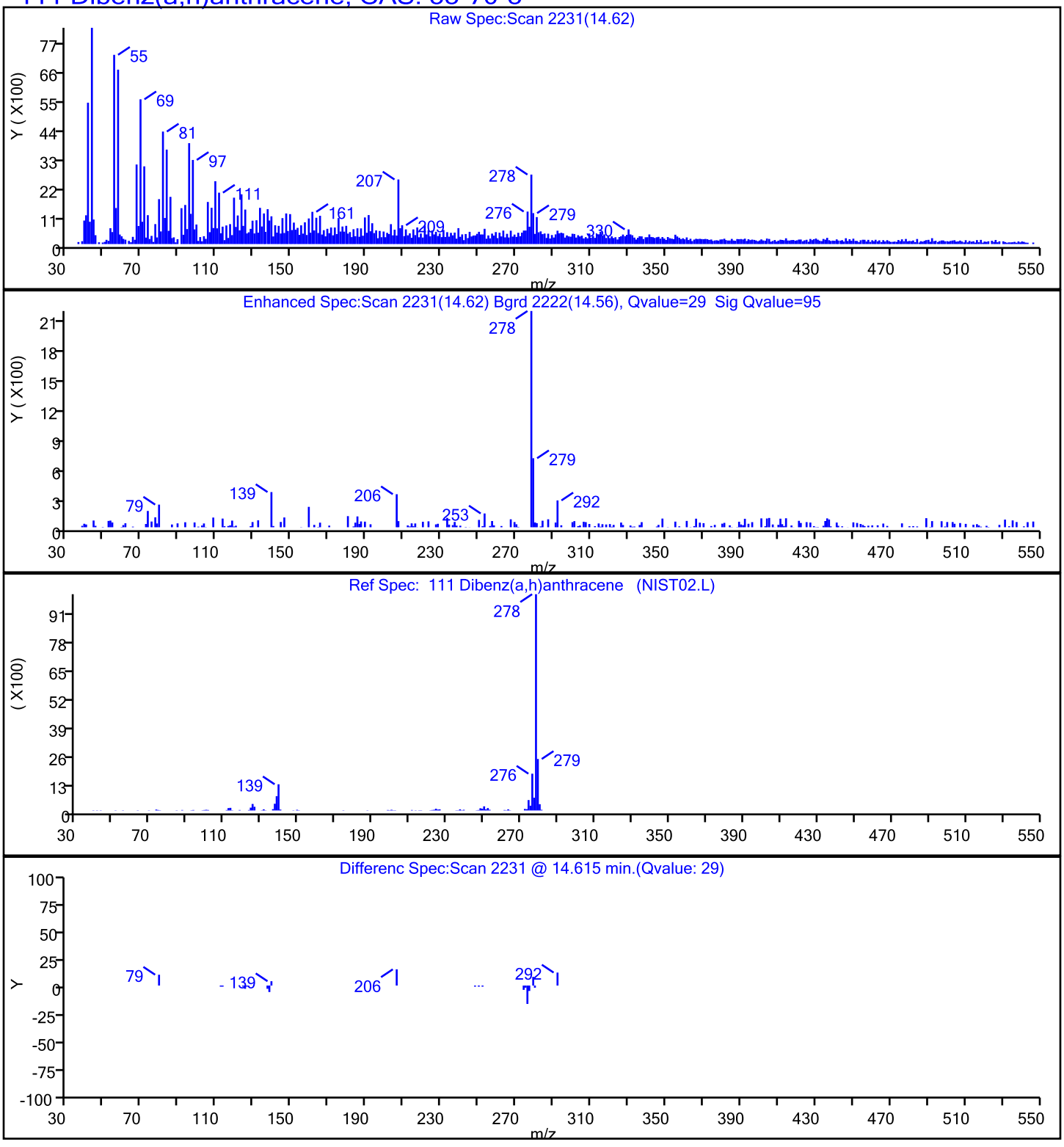
103 Chrysene, CAS: 218-01-9



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42515.d				
Injection Date:	30-Jun-2022 02:42:30	Instrument ID:	CBNAMS5		
Lims ID:	460-260852-A-8-D	Lab Sample ID:	460-260852-8		
Client ID:	BHP-HA03-COMP-S002				
Operator ID:		ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

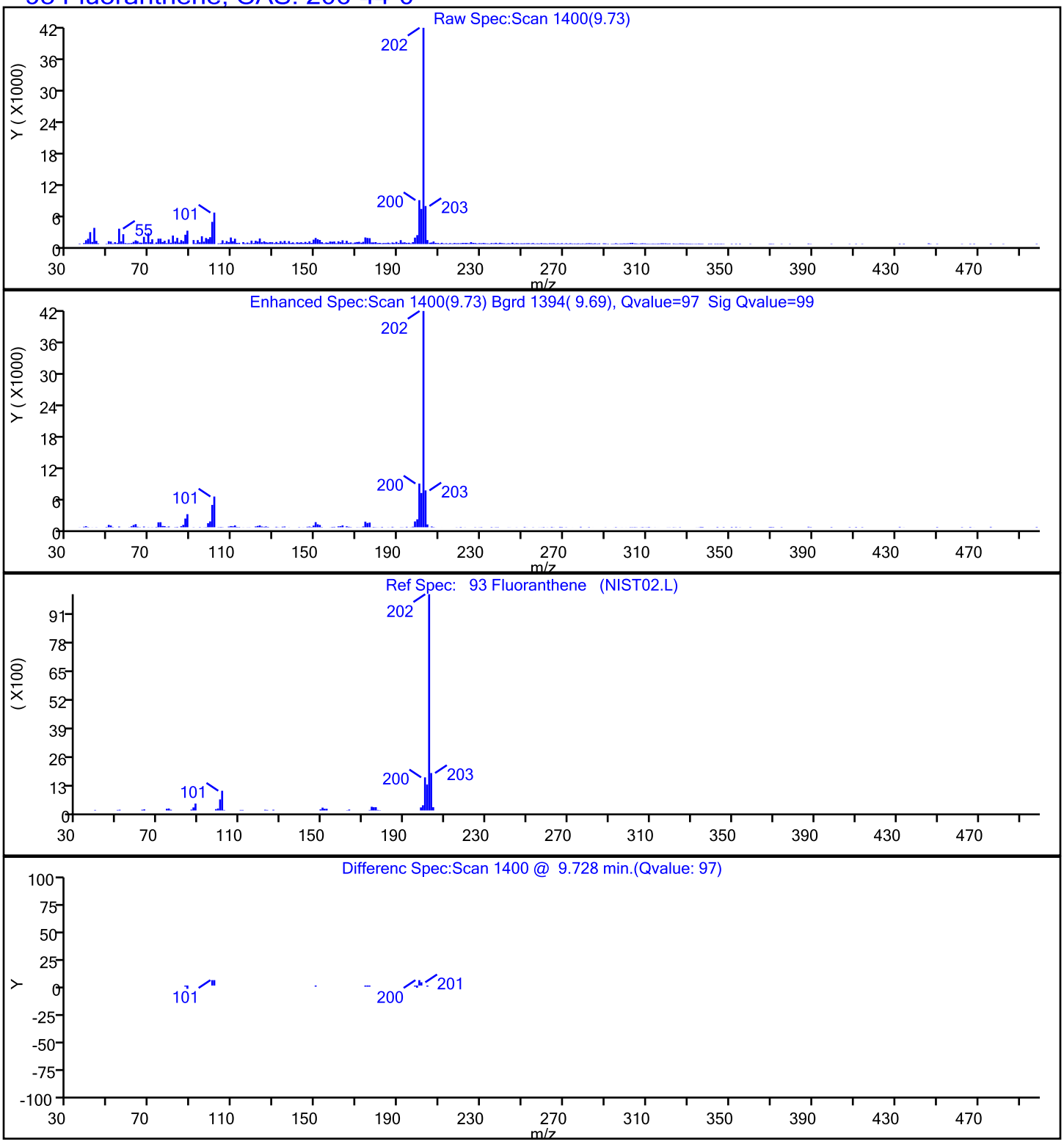
111 Dibenz(a,h)anthracene, CAS: 53-70-3



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42515.d				
Injection Date:	30-Jun-2022 02:42:30	Instrument ID:	CBNAMS5		
Lims ID:	460-260852-A-8-D	Lab Sample ID:	460-260852-8		
Client ID:	BHP-HA03-COMP-S002				
Operator ID:		ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

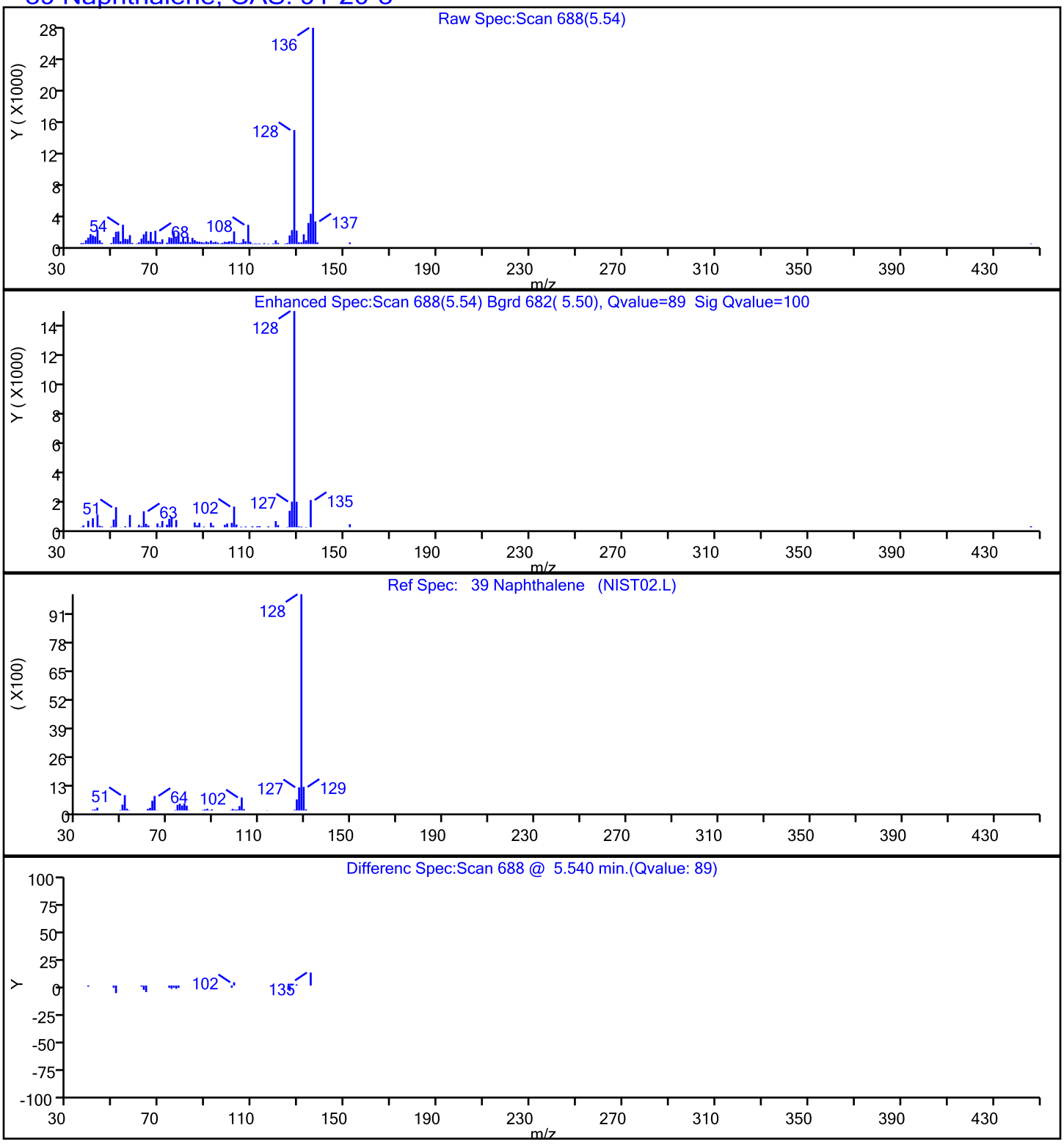
93 Fluoranthene, CAS: 206-44-0



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42515.d				
Injection Date:	30-Jun-2022 02:42:30	Instrument ID:	CBNAMS5		
Lims ID:	460-260852-A-8-D	Lab Sample ID:	460-260852-8		
Client ID:	BHP-HA03-COMP-S002				
Operator ID:		ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

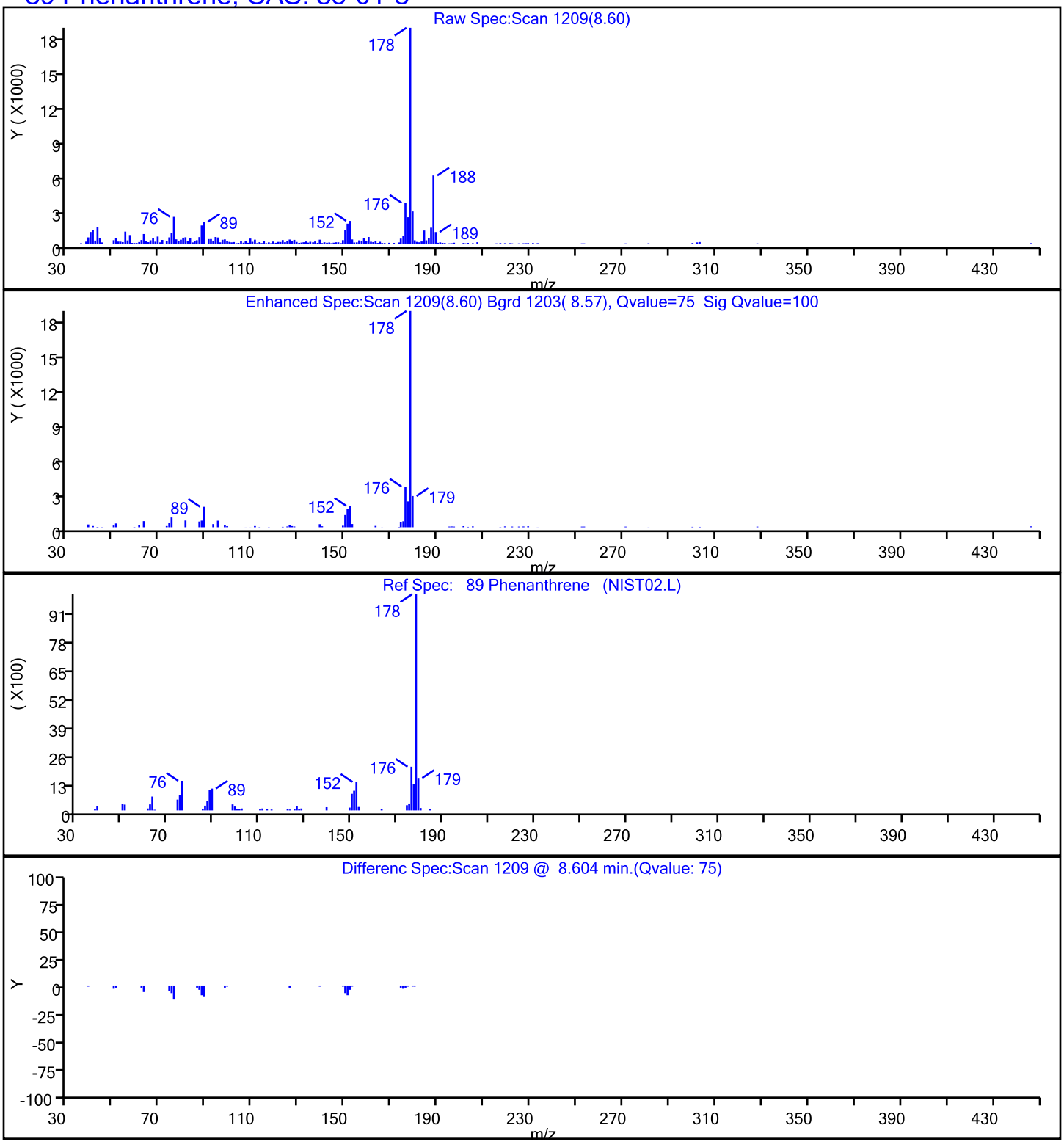
39 Naphthalene, CAS: 91-20-3



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42515.d				
Injection Date:	30-Jun-2022 02:42:30	Instrument ID:	CBNAMS5		
Lims ID:	460-260852-A-8-D	Lab Sample ID:	460-260852-8		
Client ID:	BHP-HA03-COMP-S002				
Operator ID:		ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

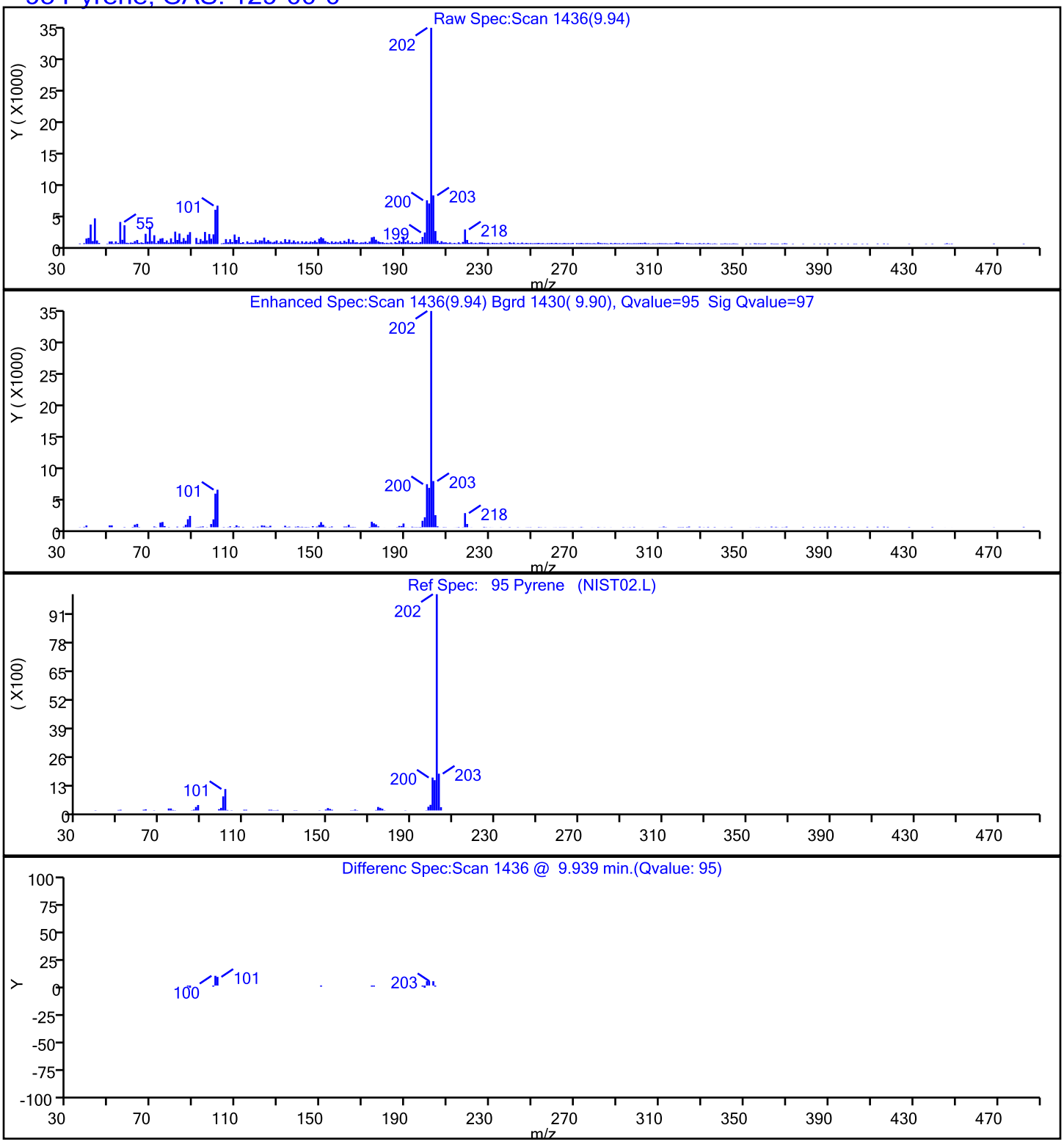
89 Phenanthrene, CAS: 85-01-8



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42515.d				
Injection Date:	30-Jun-2022 02:42:30	Instrument ID:	CBNAMS5		
Lims ID:	460-260852-A-8-D	Lab Sample ID:	460-260852-8		
Client ID:	BHP-HA03-COMP-S002				
Operator ID:		ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

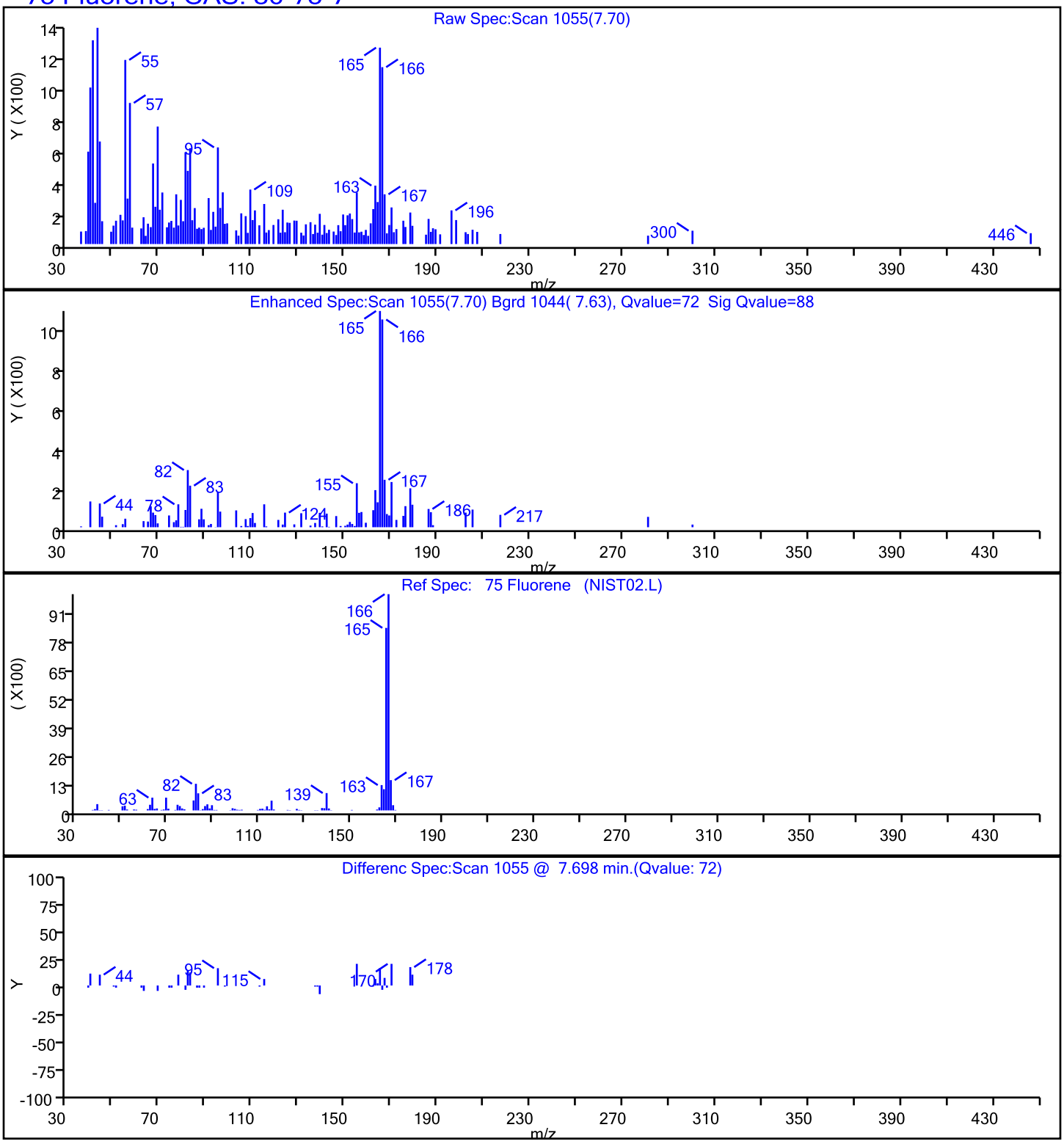
95 Pyrene, CAS: 129-00-0



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42515.d				
Injection Date:	30-Jun-2022 02:42:30	Instrument ID:	CBNAMS5		
Lims ID:	460-260852-A-8-D	Lab Sample ID:	460-260852-8		
Client ID:	BHP-HA03-COMP-S002				
Operator ID:		ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

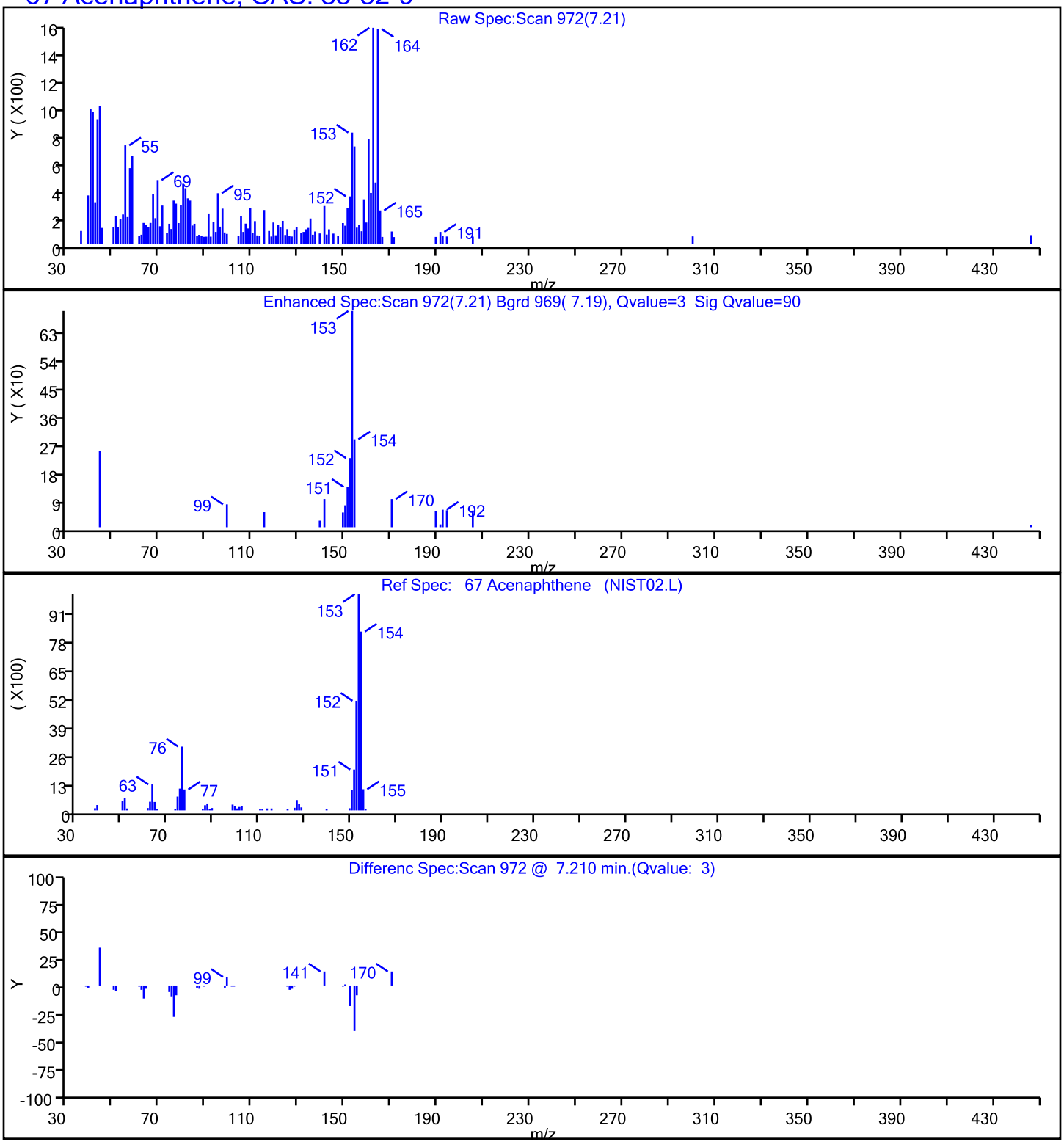
75 Fluorene, CAS: 86-73-7



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42515.d				
Injection Date:	30-Jun-2022 02:42:30	Instrument ID:	CBNAMS5		
Lims ID:	460-260852-A-8-D	Lab Sample ID:	460-260852-8		
Client ID:	BHP-HA03-COMP-S002				
Operator ID:		ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

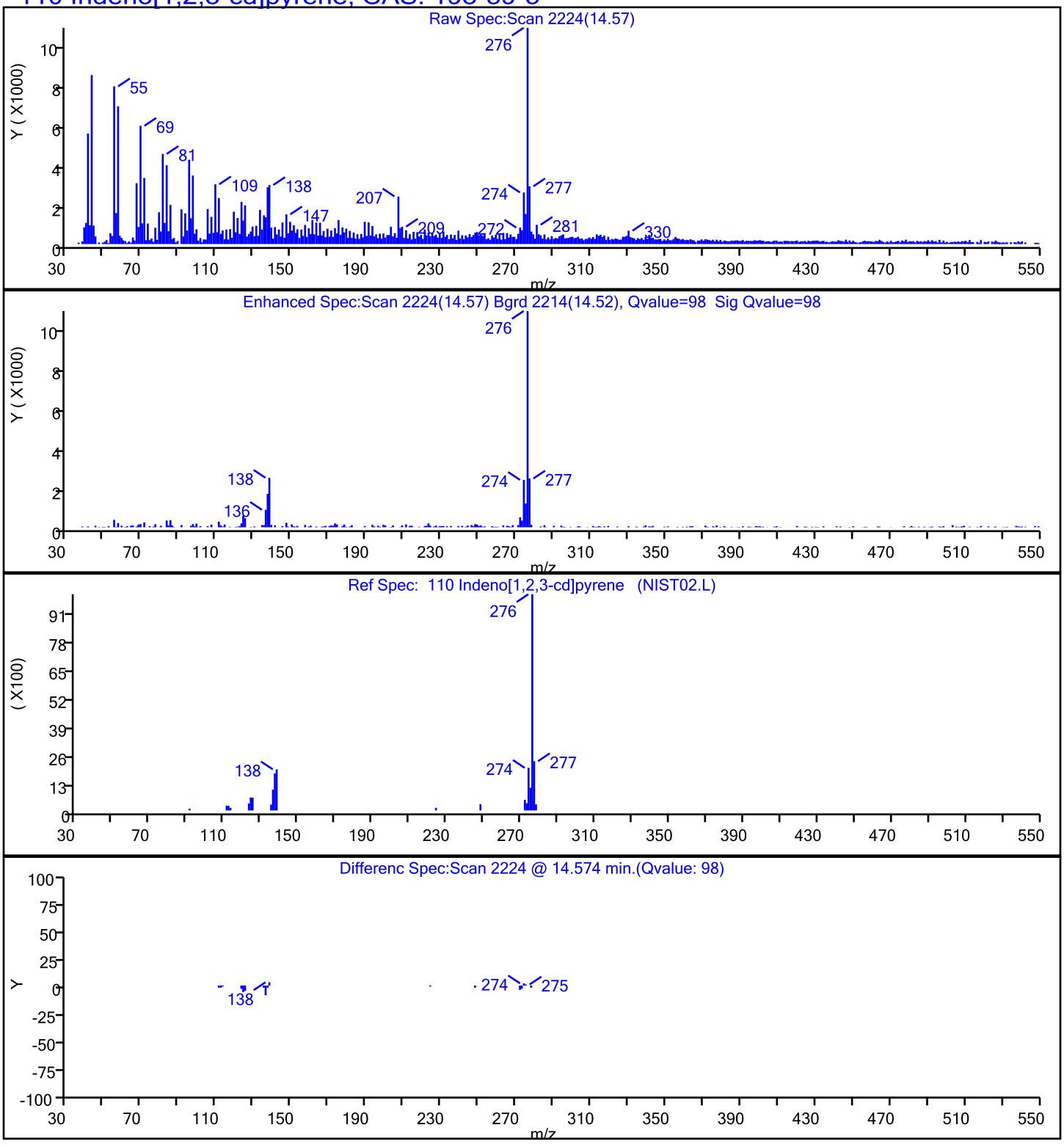
67 Acenaphthene, CAS: 83-32-9



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42515.d				
Injection Date:	30-Jun-2022 02:42:30	Instrument ID:	CBNAMS5		
Lims ID:	460-260852-A-8-D	Lab Sample ID:	460-260852-8		
Client ID:	BHP-HA03-COMP-S002				
Operator ID:		ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

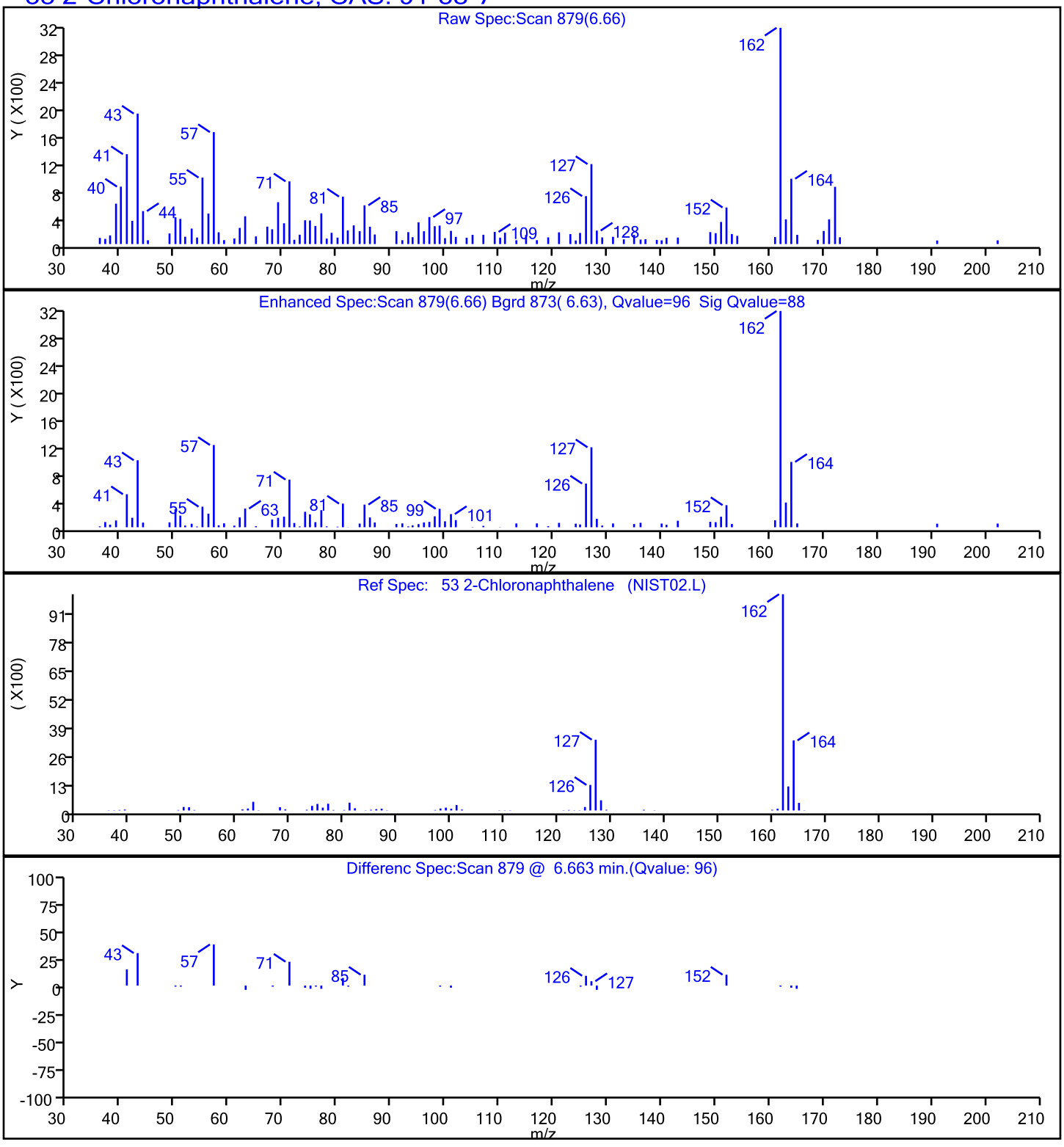
110 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42515.d				
Injection Date:	30-Jun-2022 02:42:30	Instrument ID:	CBNAMS5		
Lims ID:	460-260852-A-8-D	Lab Sample ID:	460-260852-8		
Client ID:	BHP-HA03-COMP-S002				
Operator ID:		ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

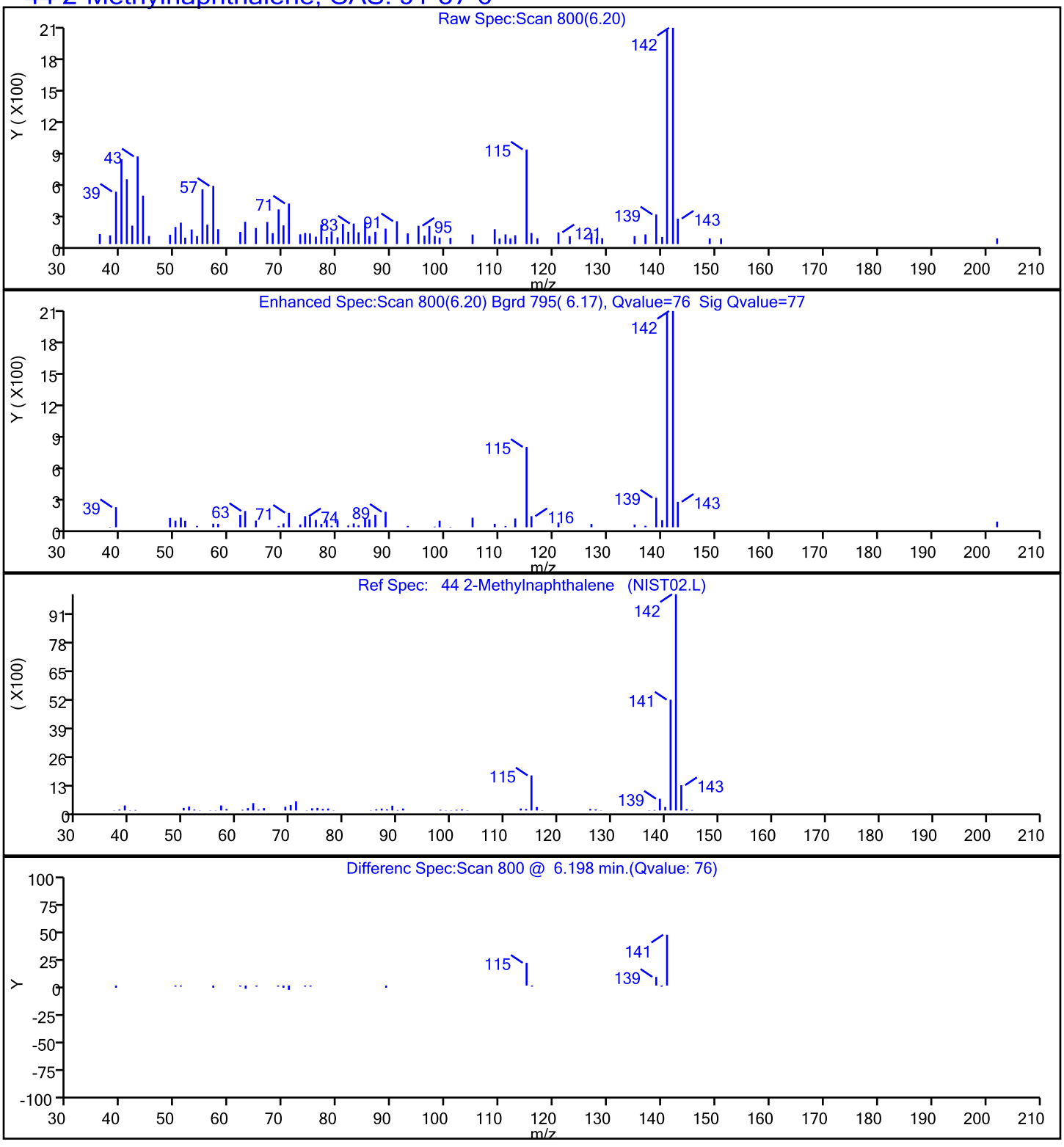
53 2-Chloronaphthalene, CAS: 91-58-7



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42515.d				
Injection Date:	30-Jun-2022 02:42:30	Instrument ID:	CBNAMS5		
Lims ID:	460-260852-A-8-D	Lab Sample ID:	460-260852-8		
Client ID:	BHP-HA03-COMP-S002				
Operator ID:		ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

44 2-Methylnaphthalene, CAS: 91-57-6



Manual Integration/User Assign Peak Report

Eurofins Edison

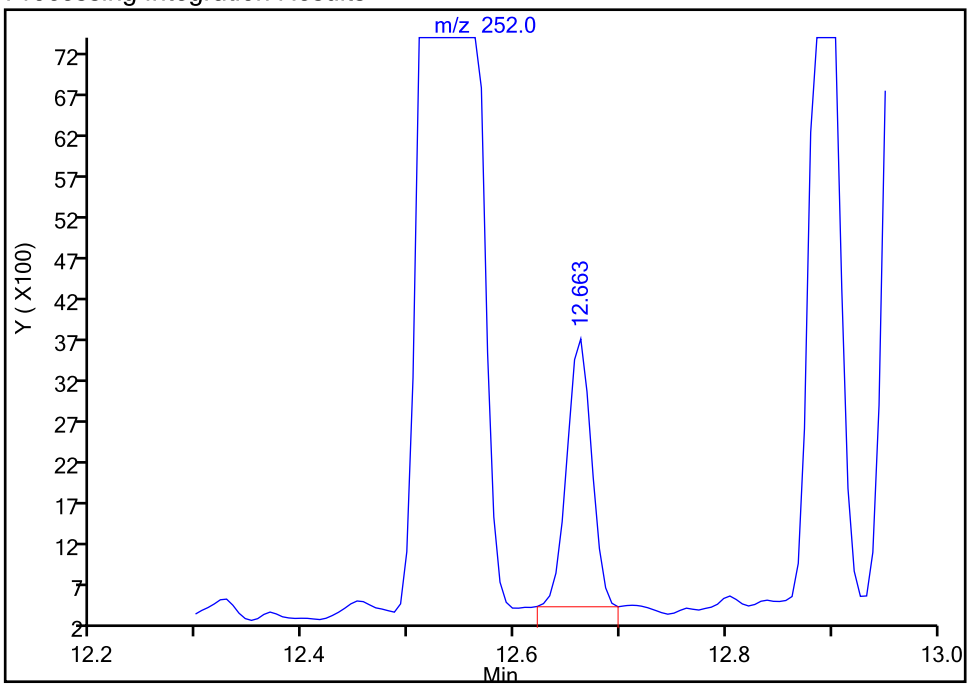
Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42515.d				
Injection Date:	30-Jun-2022 02:42:30	Instrument ID:	CBNAMS5		
Lims ID:	460-260852-A-8-D	Lab Sample ID:	460-260852-8		
Client ID:	BHP-HA03-COMP-S002				
Operator ID:		ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

107 Benzo[k]fluoranthene, CAS: 207-08-9

Signal: 1

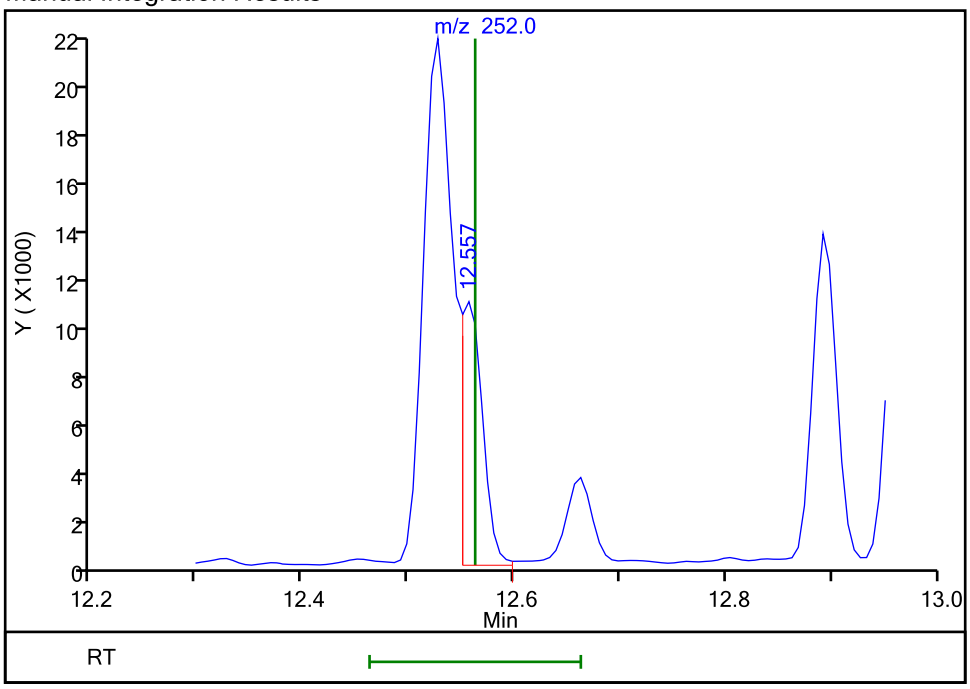
Processing Integration Results

RT: 12.66
Area: 5378
Amount: 0.446521
Amount Units: ug/ml



Manual Integration Results

RT: 12.56
Area: 14737
Amount: 1.223573
Amount Units: ug/ml



Reviewer: maheseep, 30-Jun-2022 16:31:18

Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Edison

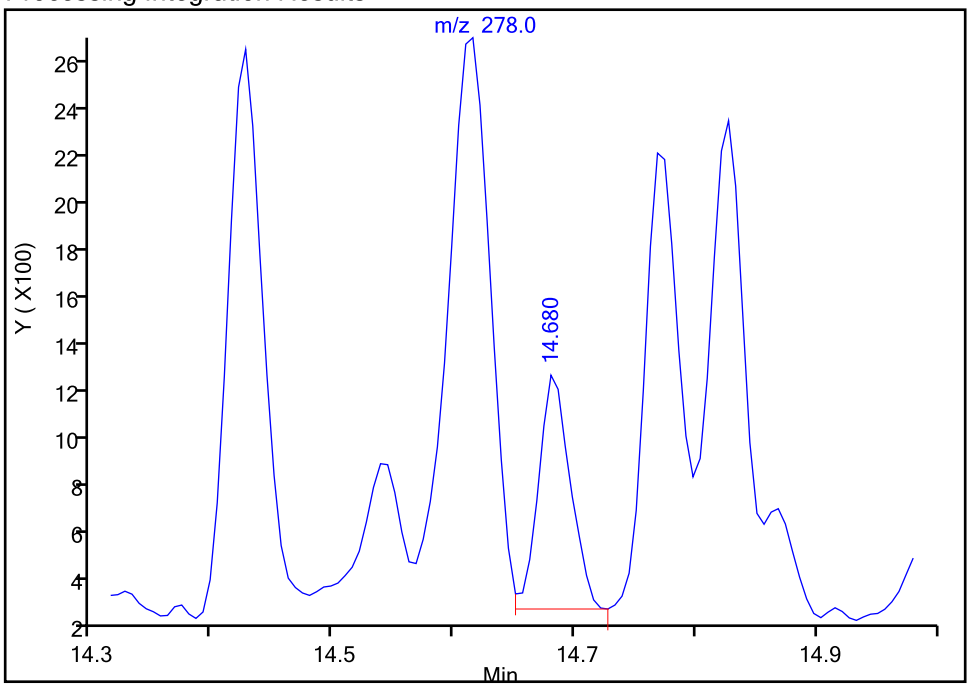
Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42515.d				
Injection Date:	30-Jun-2022 02:42:30	Instrument ID:	CBNAMS5		
Lims ID:	460-260852-A-8-D	Lab Sample ID:	460-260852-8		
Client ID:	BHP-HA03-COMP-S002				
Operator ID:		ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

111 Dibenz(a,h)anthracene, CAS: 53-70-3

Signal: 1

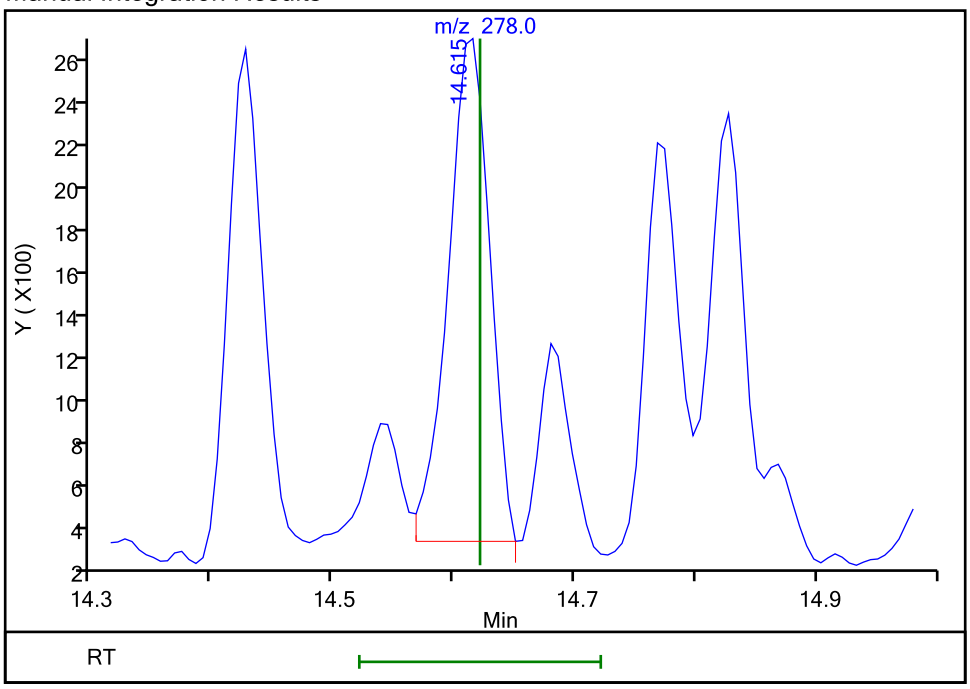
Processing Integration Results

RT: 14.68
Area: 1737
Amount: 0.139784
Amount Units: ug/ml



Manual Integration Results

RT: 14.62
Area: 5377
Amount: 0.432711
Amount Units: ug/ml



Reviewer: maheseep, 30-Jun-2022 16:31:24

Audit Action: Assigned Compound ID Audit Reason: Assign Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-260852-1

SDG No.:

Client Sample ID: BHP-HA05-COMP-S001 | Lab Sample ID: 460-260852-11

Matrix: Solid | Lab File ID: X42516.d

Analysis Method: 8270C | Date Collected: 06/23/2022 13:40

Extract. Method: 3546 | Date Extracted: 06/29/2022 17:17

Sample wt/vol: 15.00(g) | Date Analyzed: 06/30/2022 03:06

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: 16.1 % Solids: 83.9 | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 852810 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
208-96-8	Acenaphthylene	4800		390	11
120-12-7	Anthracene	8000		390	12
191-24-2	Benzo[g,h,i]perylene	6300		390	12
207-08-9	Benzo[k]fluoranthene	6600		39	7.7
53-70-3	Dibenz(a,h)anthracene	2100		39	17
91-20-3	Naphthalene	2200		390	6.8
86-73-7	Fluorene	3200		390	12
83-32-9	Acenaphthene	1400		390	11
193-39-5	Indeno[1,2,3-cd]pyrene	8300		39	15
91-58-7	2-Chloronaphthalene	18	U	390	18
91-57-6	2-Methylnaphthalene	860		390	11

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	55		22-122
4165-60-0	Nitrobenzene-d5 (Surr)	56		16-125
1718-51-0	Terphenyl-d14 (Surr)	58		25-126

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42516.d
Lims ID: 460-260852-A-11-D
Client ID: BHP-HA05-COMP-S001
Sample Type: Client
Inject. Date: 30-Jun-2022 03:06:30 ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0147251-014
Operator ID: Instrument ID: CBNAMS5

Method: \\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\8270_5R.m
Limit Group: SV 8270 DEL ICAL
Last Update: 30-Jun-2022 11:56:45 Calib Date: 03-Jun-2022 09:29:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS5\20220602-146048.b\X41882.d

Column 1 : Det: MS SCAN
Process Host: CTX1633

First Level Reviewer: maheseep Date: 30-Jun-2022 16:32:40

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 14 1,4-Dichlorobenzene-d4	152	4.310	4.304	0.006	98	158866	40.0	
$ 26 Nitrobenzene-d5	82	4.834	4.840	-0.006	91	172569	28.1	
* 38 Naphthalene-d8	136	5.522	5.522	0.000	100	578994	40.0	
39 Naphthalene	128	5.540	5.540	0.000	98	413753	27.7	
44 2-Methylnaphthalene	142	6.198	6.198	0.000	80	106749	10.8	
$ 51 2-Fluorobiphenyl	172	6.551	6.557	0.000	97	296564	27.7	
61 Acenaphthylene	152	7.051	7.057	0.000	97	805762	60.3	
* 65 Acenaphthene-d10	164	7.187	7.181	0.006	97	276558	40.0	
67 Acenaphthene	154	7.216	7.222	0.000	86	141231	18.0	
75 Fluorene	166	7.704	7.705	0.006	84	351283	39.8	
* 88 Phenanthrene-d10	188	8.592	8.581	0.011	99	507473	40.0	
89 Phenanthrene	178	8.622	8.610	0.018	99	3945640	294.9	E
90 Anthracene	178	8.663	8.657	0.012	96	1378118	100.1	
93 Fluoranthene	202	9.757	9.734	0.029	96	5686914	390.8	E
95 Pyrene	202	9.969	9.950	0.030	94	4862884	349.5	E
$ 96 Terphenyl-d14	244	10.104	10.109	0.006	97	359815	29.0	
101 Benzo[a]anthracene	228	11.204	11.186	0.029	99	3328554	246.9	E
* 102 Chrysene-d12	240	11.216	11.186	0.030	58	433970	40.0	
103 Chrysene	228	11.251	11.227	0.035	92	2682509	214.9	E
106 Benzo[b]fluoranthene	252	12.580	12.539	0.058	96	4132240	272.9	Ea
107 Benzo[k]fluoranthene	252	12.610	12.568	0.047	1	1266406	83.0	M
108 Benzo[a]pyrene	252	13.027	12.986	0.058	94	2752931	189.7	E
* 109 Perylene-d12	264	13.086	13.045	0.041	96	539529	40.0	
110 Indeno[1,2,3-cd]pyrene	276	14.639	14.600	0.059	98	1558487	104.9	
111 Dibenz(a,h)anthracene	278	14.657	14.633	0.036	34	408283	25.9	
112 Benzo[g,h,i]perylene	276	15.063	15.018	0.065	93	1293642	79.6	

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount

Review Flags
M - Manually Integrated
a - User Assigned ID

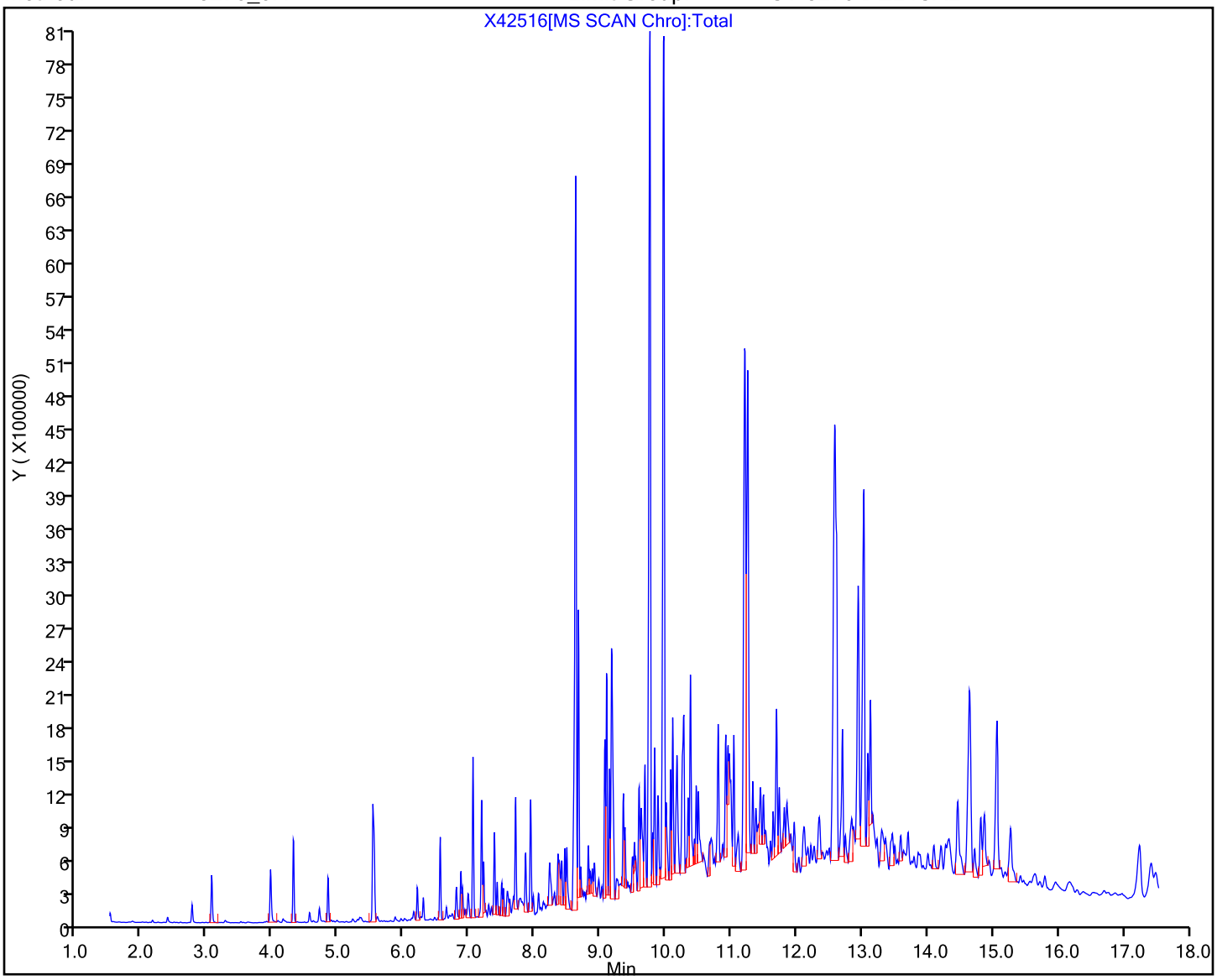
Reagents:

SM_ISTD_00196 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 30-Jun-2022 12:09:57 Chrom Revision: 2.3 20-Jun-2022 20:10:40

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42516.d				
Injection Date:	30-Jun-2022 03:06:30	Instrument ID:	CBNAMS5		
Lims ID:	460-260852-A-11-D	Lab Sample ID:	460-260852-11		
Client ID:	BHP-HA05-COMP-S001				
Operator ID:		ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		



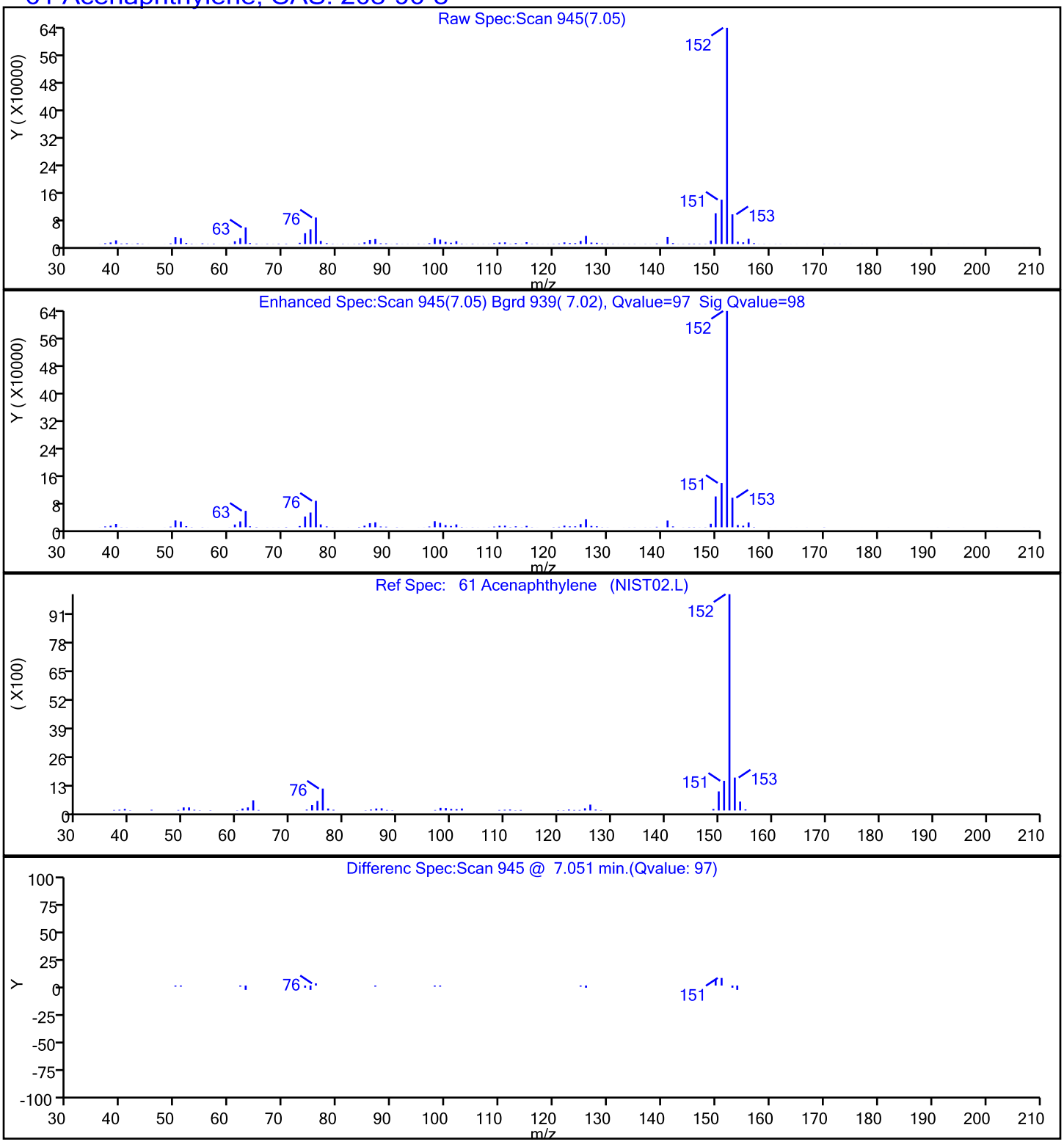
Report Date: 30-Jun-2022 12:09:57 Chrom Revision: 2.3 20-Jun-2022 20:10:40

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42516.d

Injection Date:	30-Jun-2022 03:06:30	Instrument ID:	CBNAMS5		
Lims ID:	460-260852-A-11-D	Lab Sample ID:	460-260852-11		
Client ID:	BHP-HA05-COMP-S001				
Operator ID:		ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

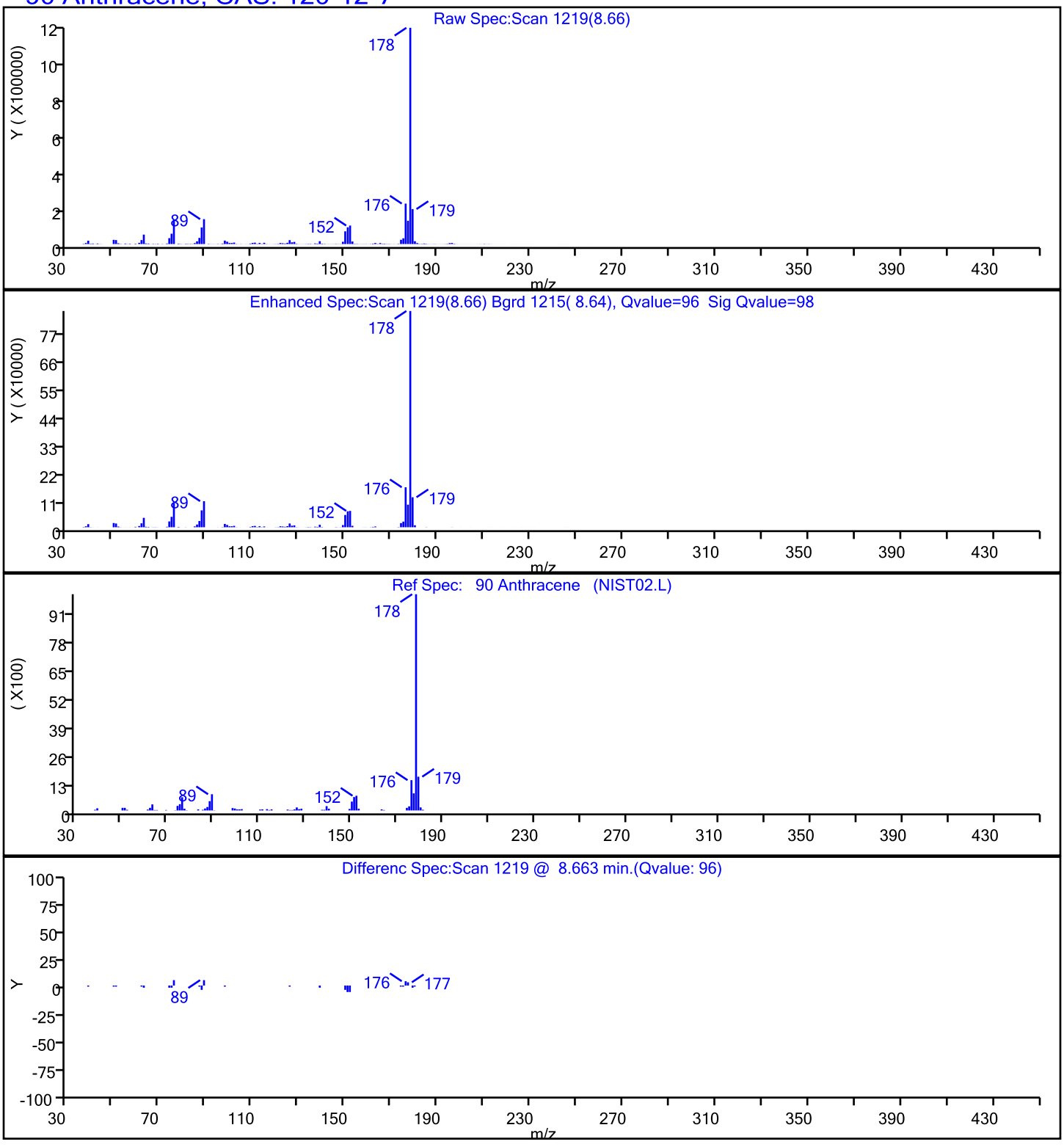
61 Acenaphthylene, CAS: 208-96-8



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42516.d				
Injection Date:	30-Jun-2022 03:06:30	Instrument ID:	CBNAMS5		
Lims ID:	460-260852-A-11-D	Lab Sample ID:	460-260852-11		
Client ID:	BHP-HA05-COMP-S001				
Operator ID:		ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

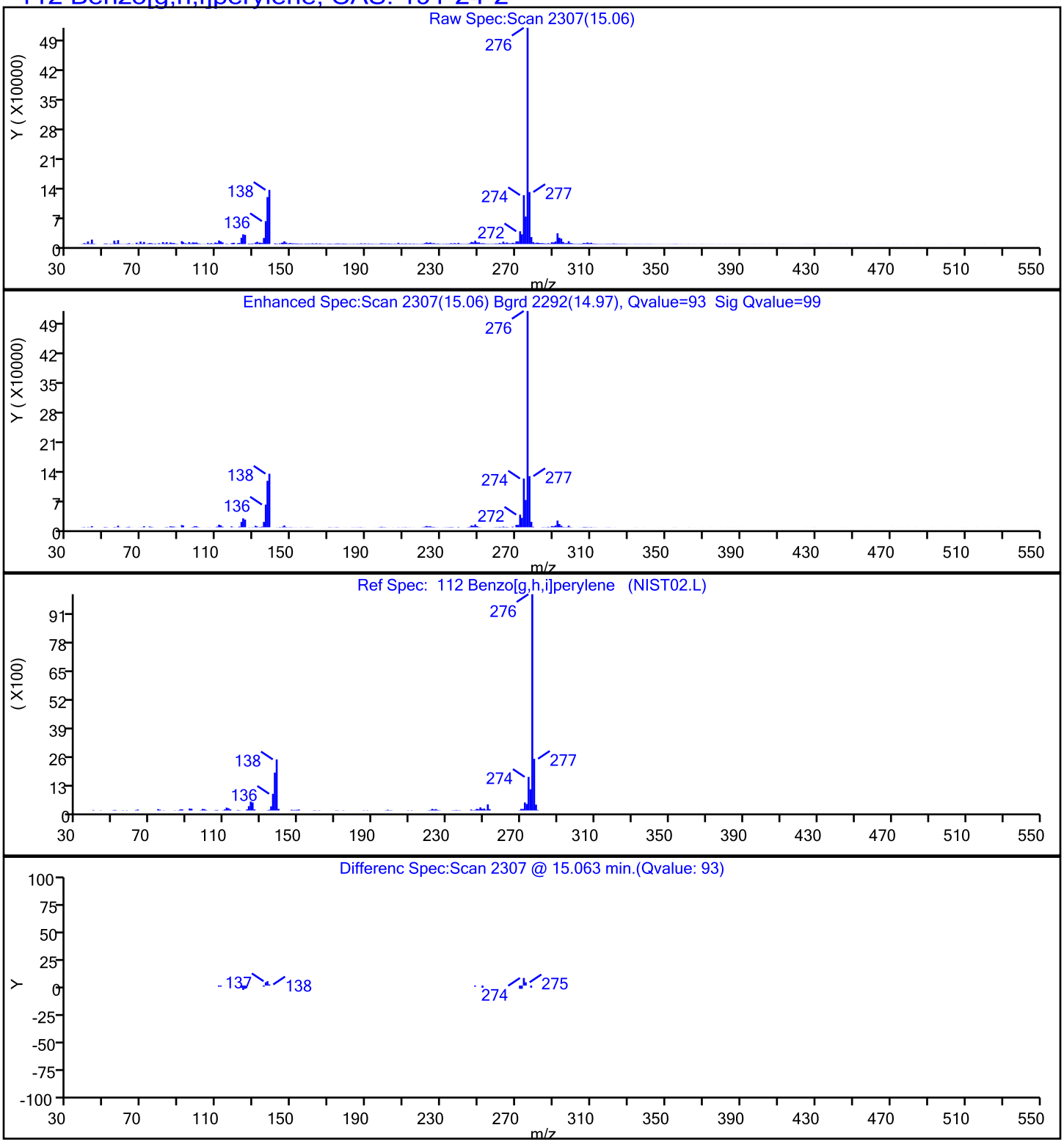
90 Anthracene, CAS: 120-12-7



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42516.d				
Injection Date:	30-Jun-2022 03:06:30	Instrument ID:	CBNAMS5		
Lims ID:	460-260852-A-11-D	Lab Sample ID:	460-260852-11		
Client ID:	BHP-HA05-COMP-S001				
Operator ID:		ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

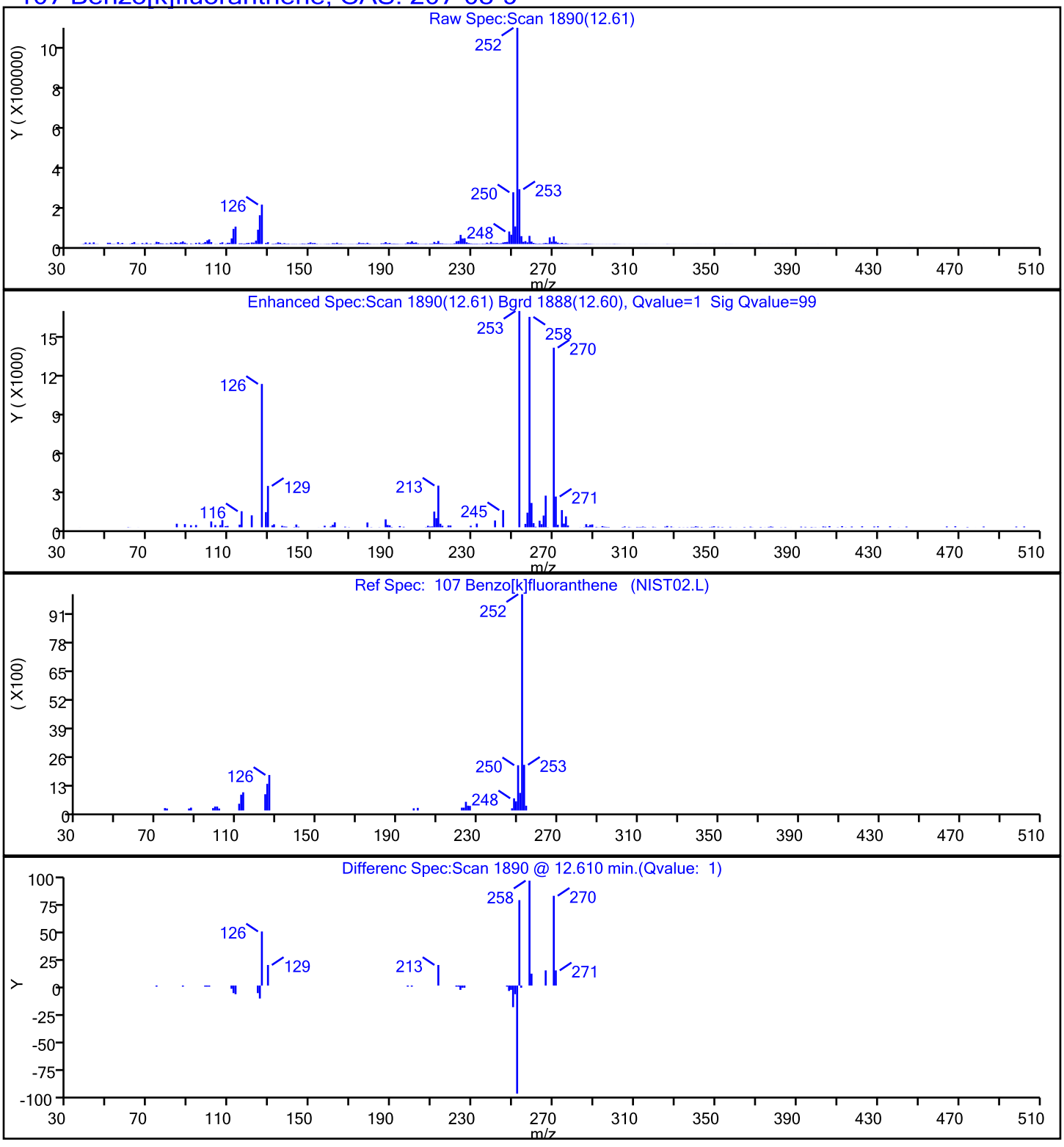
112 Benzo[g,h,i]perylene, CAS: 191-24-2



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42516.d				
Injection Date:	30-Jun-2022 03:06:30	Instrument ID:	CBNAMS5		
Lims ID:	460-260852-A-11-D	Lab Sample ID:	460-260852-11		
Client ID:	BHP-HA05-COMP-S001				
Operator ID:		ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

107 Benzo[k]fluoranthene, CAS: 207-08-9



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42516.d				
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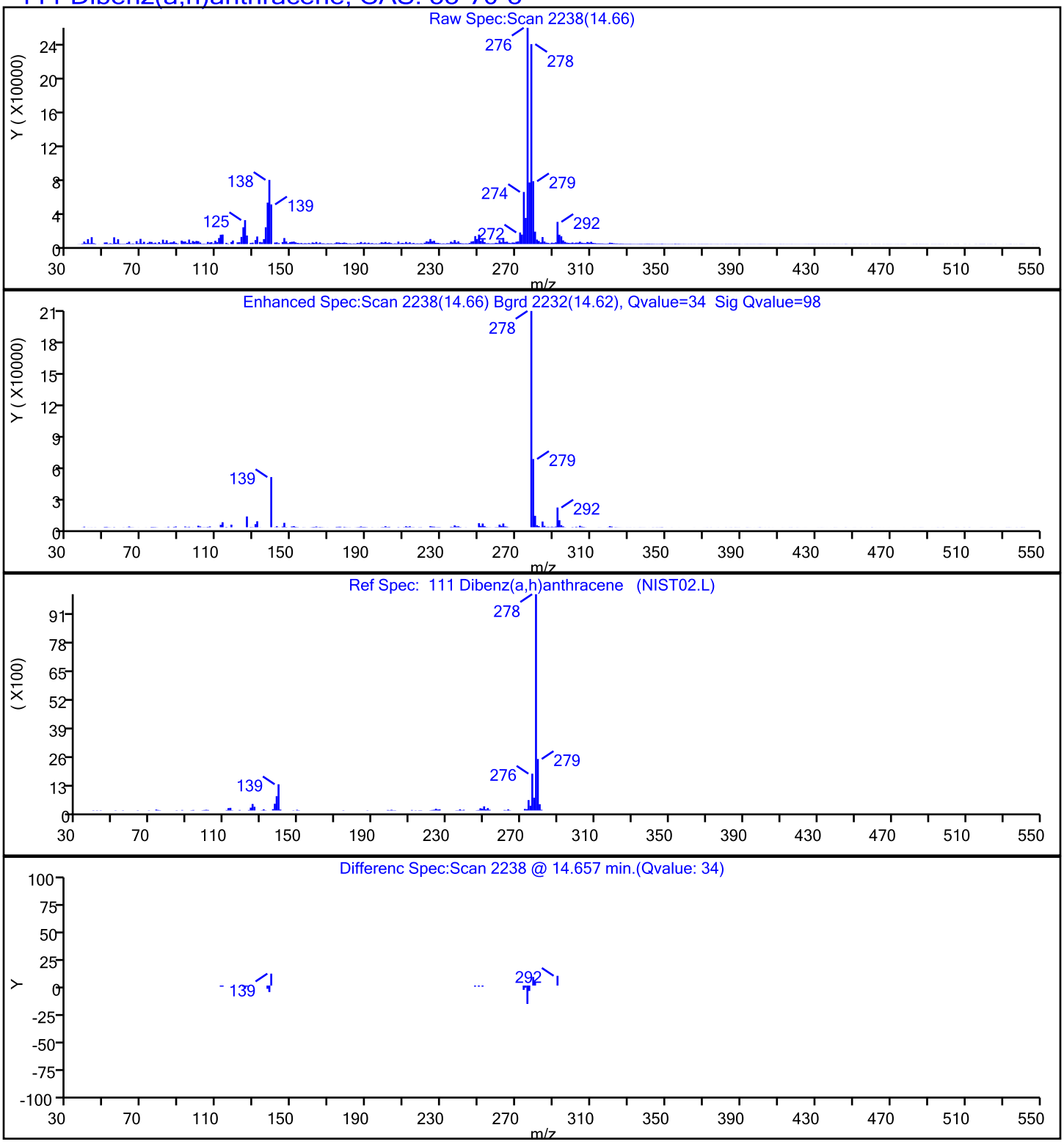
Lims ID:	460-260852-A-11-D	Lab Sample ID:	460-260852-11		
Client ID:	BHP-HA05-COMP-S001				
Operator ID:		ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

111 Dibenz(a,h)anthracene, CAS: 53-70-3



Report Date: 30-Jun-2022 12:09:57 Chrom Revision: 2.3 20-Jun-2022 20:10:40

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42516.d

Injection Date: 30-Jun-2022 03:06:30 Instrument ID: CBNAMS5

Lims ID: 460-260852-A-11-D Lab Sample ID: 460-260852-11

Client ID: BHP-HA05-COMP-S001

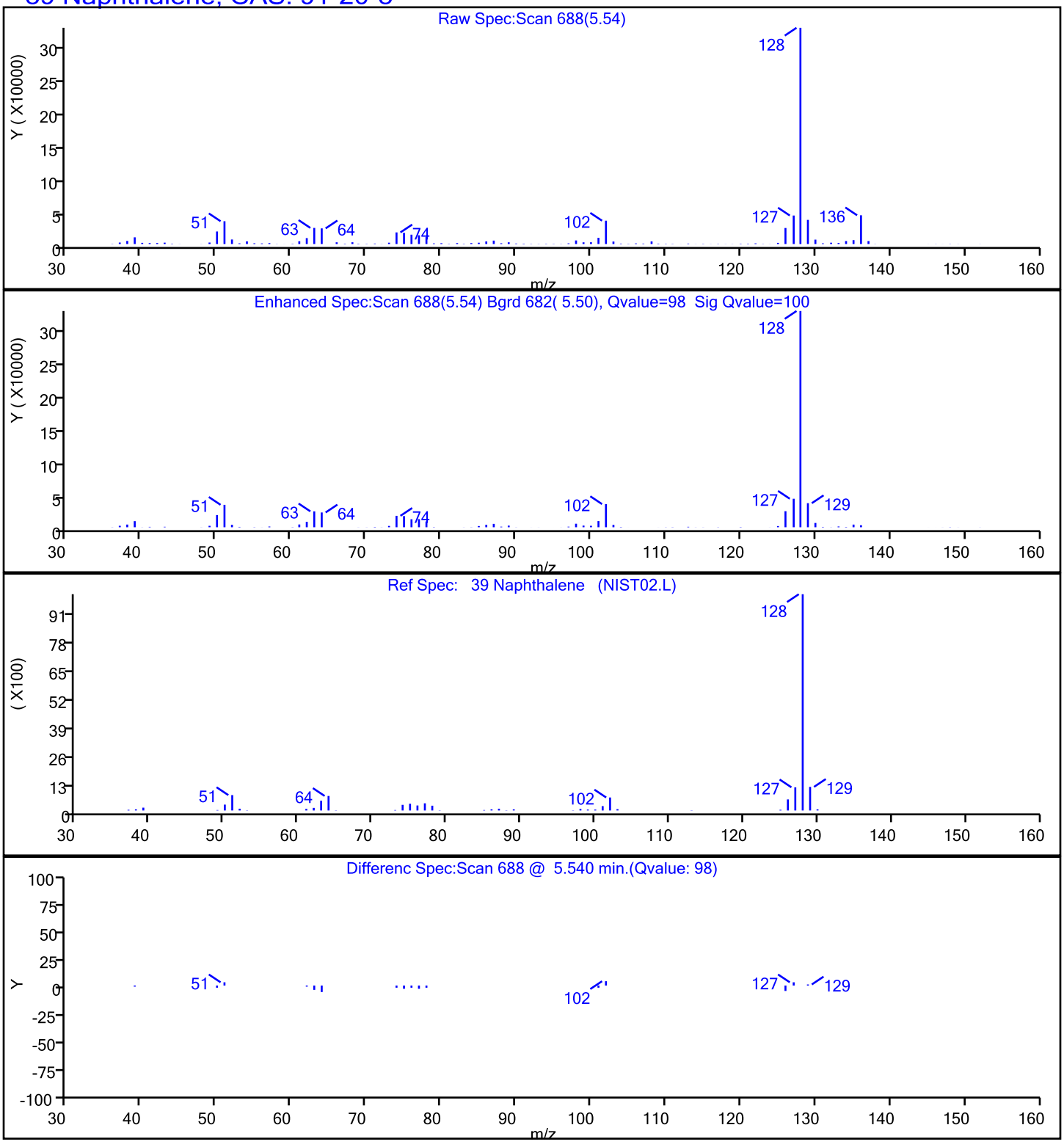
Operator ID: ALS Bottle#: 14 Worklist Smp#: 14

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8270_5R Limit Group: SV 8270 DEL ICAL

Column: Detector MS SCAN

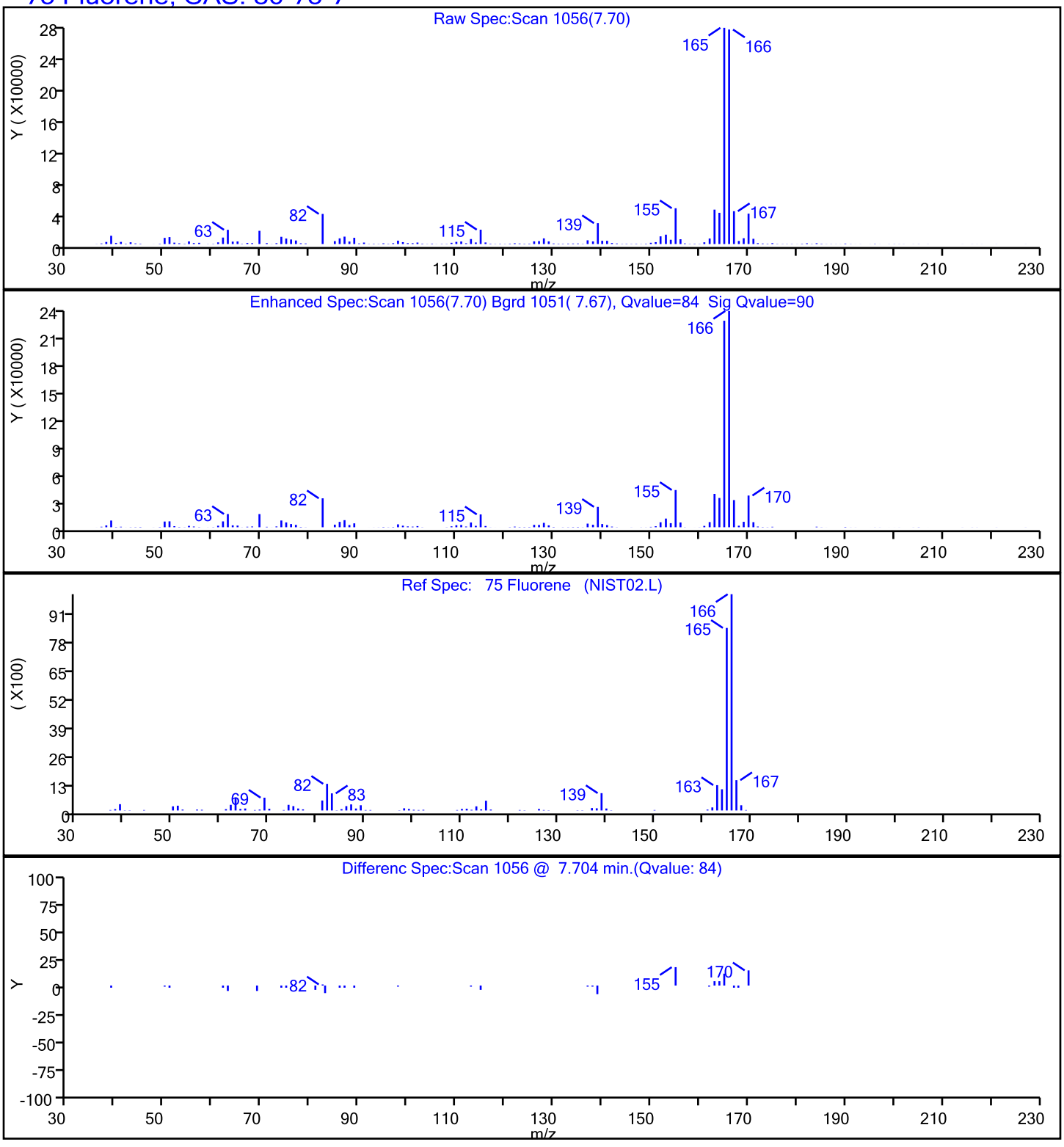
39 Naphthalene, CAS: 91-20-3



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42516.d				
Injection Date:	30-Jun-2022 03:06:30	Instrument ID:	CBNAMS5		
Lims ID:	460-260852-A-11-D	Lab Sample ID:	460-260852-11		
Client ID:	BHP-HA05-COMP-S001				
Operator ID:		ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

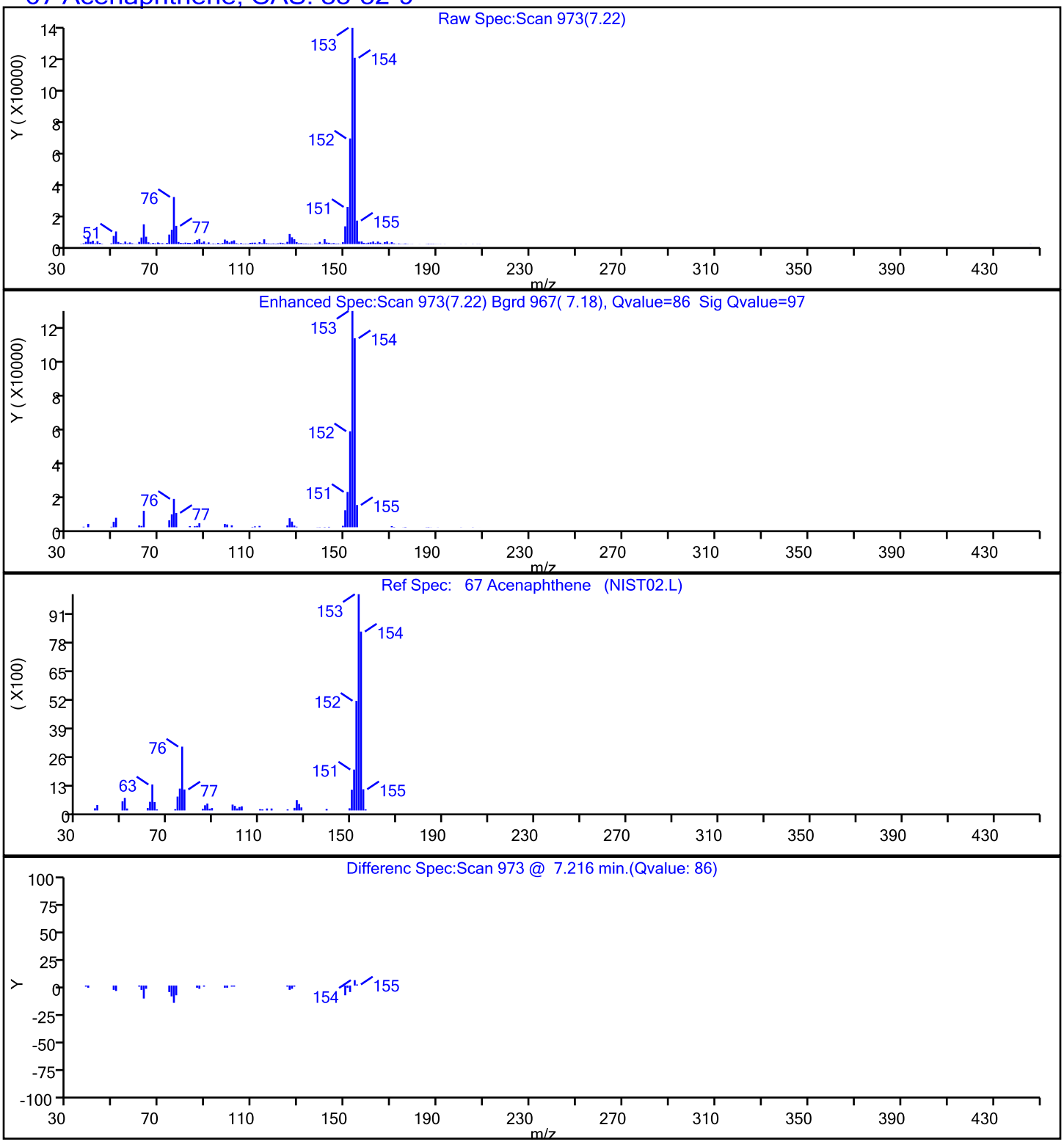
75 Fluorene, CAS: 86-73-7



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42516.d				
Injection Date:	30-Jun-2022 03:06:30	Instrument ID:	CBNAMS5		
Lims ID:	460-260852-A-11-D	Lab Sample ID:	460-260852-11		
Client ID:	BHP-HA05-COMP-S001				
Operator ID:		ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

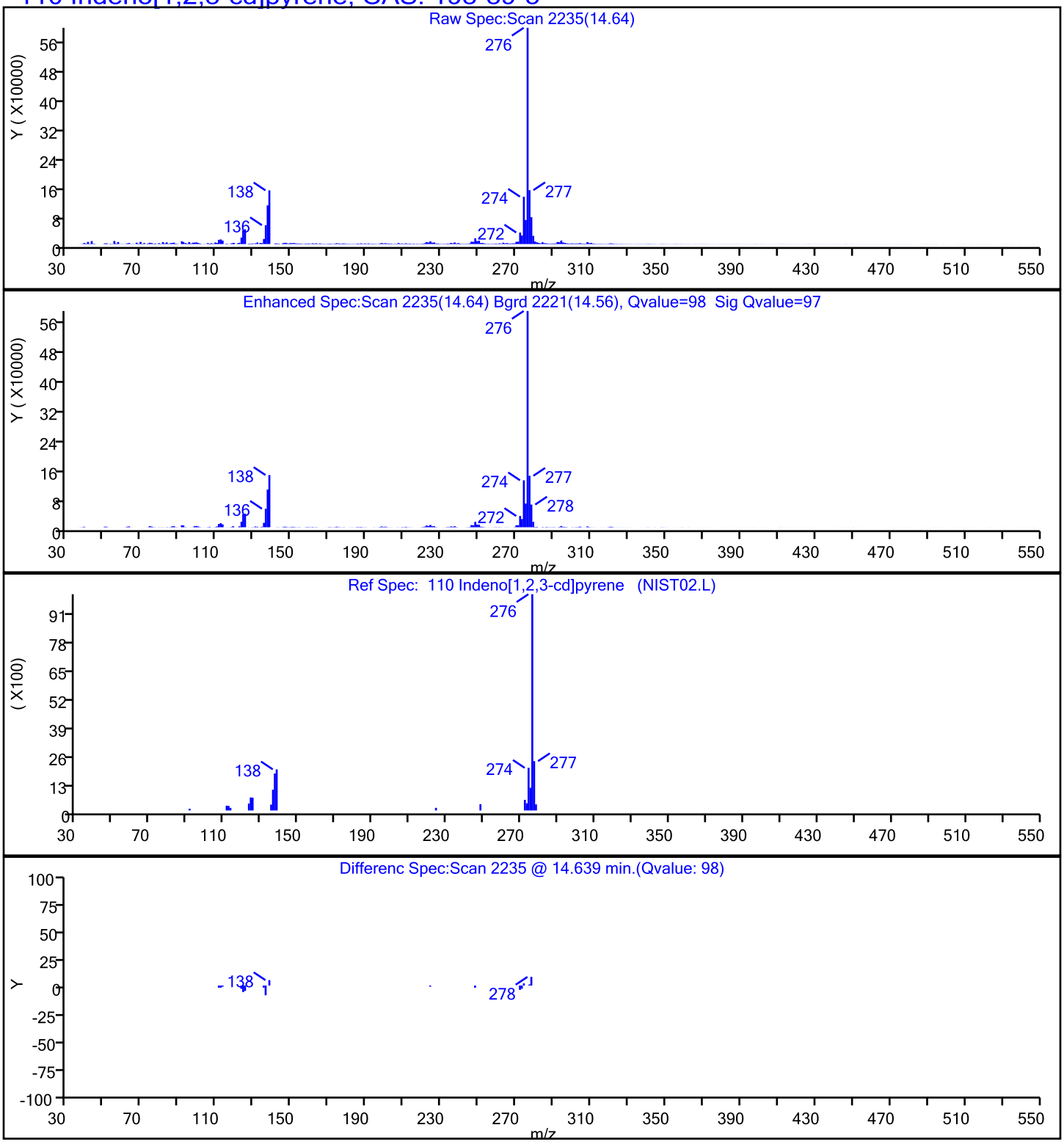
67 Acenaphthene, CAS: 83-32-9



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42516.d				
Injection Date:	30-Jun-2022 03:06:30	Instrument ID:	CBNAMS5		
Lims ID:	460-260852-A-11-D	Lab Sample ID:	460-260852-11		
Client ID:	BHP-HA05-COMP-S001				
Operator ID:		ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

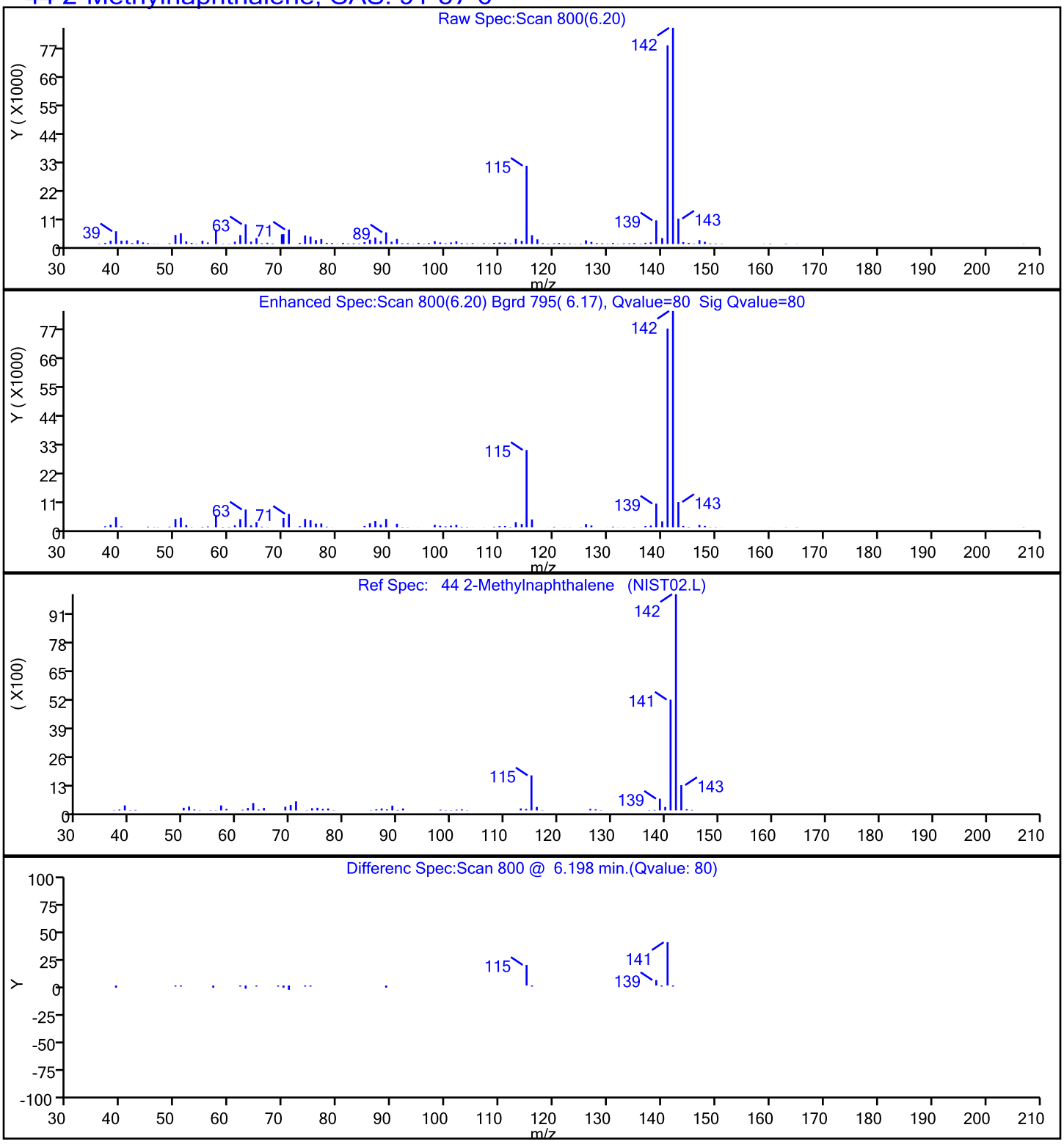
110 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42516.d				
Injection Date:	30-Jun-2022 03:06:30	Instrument ID:	CBNAMS5		
Lims ID:	460-260852-A-11-D	Lab Sample ID:	460-260852-11		
Client ID:	BHP-HA05-COMP-S001				
Operator ID:		ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

44 2-Methylnaphthalene, CAS: 91-57-6



Manual Integration/User Assign Peak Report

Eurofins Edison

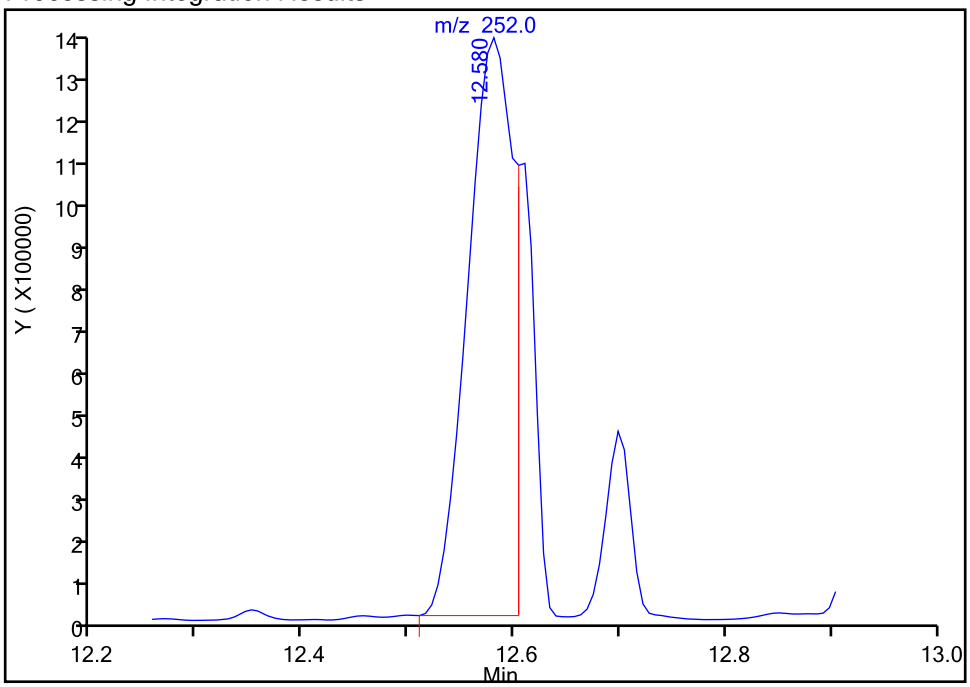
Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42516.d				
Injection Date:	30-Jun-2022 03:06:30	Instrument ID:	CBNAMS5		
Lims ID:	460-260852-A-11-D	Lab Sample ID:	460-260852-11		
Client ID:	BHP-HA05-COMP-S001				
Operator ID:		ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

107 Benzo[k]fluoranthene, CAS: 207-08-9

Signal: 1

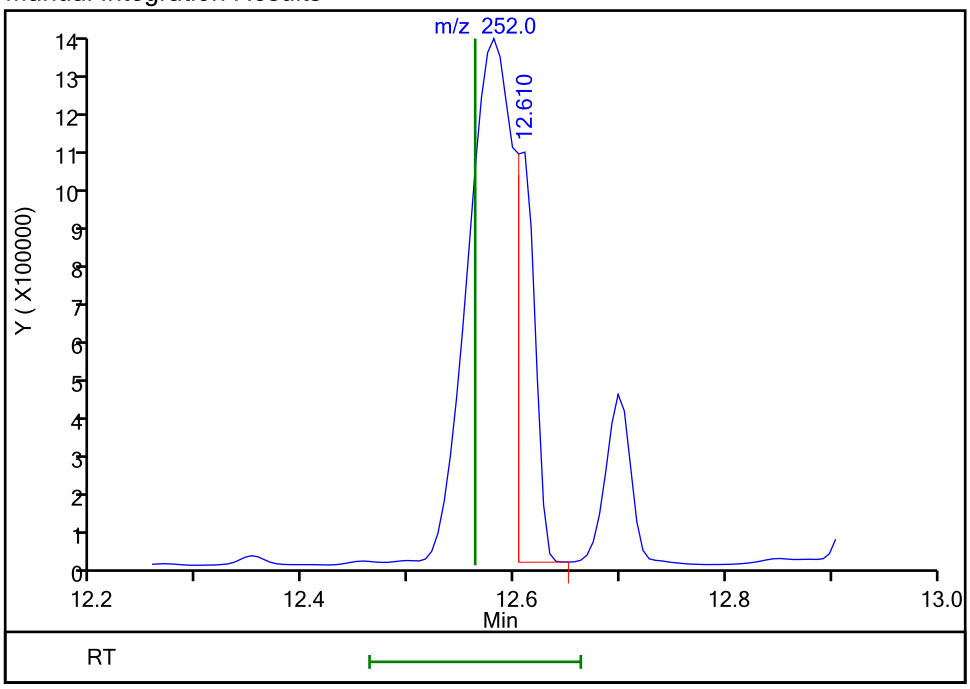
Processing Integration Results

RT: 12.58
Area: 4132240
Amount: 270.8786
Amount Units: ug/ml



Manual Integration Results

RT: 12.61
Area: 1266406
Amount: 83.016068
Amount Units: ug/ml



Reviewer: maheseep, 30-Jun-2022 16:31:59

Audit Action: Manually Integrated Audit Reason: Wrong peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-260852-1

SDG No.:

Client Sample ID: BHP-HA05-COMP-S001 DL | Lab Sample ID: 460-260852-11 DL

Matrix: Solid | Lab File ID: f463641.D

Analysis Method: 8270C | Date Collected: 06/23/2022 13:40

Extract. Method: 3546 | Date Extracted: 06/29/2022 17:17

Sample wt/vol: 15.00(g) | Date Analyzed: 06/30/2022 21:17

Con. Extract Vol.: 1(mL) | Dilution Factor: 5

Injection Volume: 1(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: 16.1 % Solids: 83.9 | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 852915 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
56-55-3	Benzo[a]anthracene	21000	D	200	69
205-99-2	Benzo[b]fluoranthene	21000	D	200	51
50-32-8	Benzo[a]pyrene	16000	D	200	53
218-01-9	Chrysene	18000	D	2000	33
85-01-8	Phenanthrene	32000	D	2000	35
129-00-0	Pyrene	37000	D	2000	49

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	52	*D*	22-122
4165-60-0	Nitrobenzene-d5 (Surr)	55	*D*	16-125
1718-51-0	Terphenyl-d14 (Surr)	53	*D*	25-126

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS15\20220630-147278.b\f463641.D
Lims ID: 460-260852-A-11-D
Client ID: BHP-HA05-COMP-S001
Sample Type: Client
Inject. Date: 30-Jun-2022 21:17:50 ALS Bottle#: 0 Worklist Smp#: 38
Injection Vol: 1.0 ul Dil. Factor: 5.0000
Sample Info: 460-0147278-038
Operator ID: Instrument ID: CBNAMS15

Method: \\chromfs\Edison\ChromData\CBNAMS15\20220630-147278.b\8270_15R_9.m
Limit Group: SV 8270 DEL ICAL
Last Update: 01-Jul-2022 11:01:05 Calib Date: 30-Mar-2022 10:52:03
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS15\20220330-143392.b\f460653.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1656

First Level Reviewer: U6BX Date: 30-Jun-2022 21:37:45

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 15 1,4-Dichlorobenzene-d4	152	3.320	3.325	-0.005	98	162176	40.0	
$ 26 Nitrobenzene-d5	82	3.739	3.740	-0.008	91	35908	5.53	
* 36 Naphthalene-d8	136	4.288	4.297	-0.009	100	636738	40.0	
37 Naphthalene	128	4.306	4.302	-0.005	94	87792	5.35	
42 2-Methylnaphthalene	142	4.843	4.841	-0.006	82	22030	1.95	
$ 50 2-Fluorobiphenyl	172	5.133	5.135	-0.007	97	68081	5.22	
59 Acenaphthylene	152	5.530	5.533	-0.006	97	153945	9.32	
* 61 Acenaphthene-d10	164	5.639	5.643	-0.004	97	366574	40.0	
62 Acenaphthene	154	5.663	5.661	-0.006	68	34458	3.61	
70 Fluorene	166	6.056	6.057	-0.004	83	80526	6.88	
* 83 Phenanthrene-d10	188	6.764	6.768	-0.004	99	695329	40.0	
84 Phenanthrene	178	6.782	6.778	-0.004	98	1452067	80.1	
85 Anthracene	178	6.817	6.817	-0.007	97	364616	19.7	
89 Fluoranthene	202	7.680	7.669	0.000	97	2470616	126.6	E
91 Pyrene	202	7.849	7.834	0.003	97	2085573	93.0	
$ 93 Terphenyl-d14	244	7.976	7.969	-0.003	97	100657	5.31	
100 Benzo[a]anthracene	228	8.813	8.808	-0.005	98	1137718	52.6	
* 98 Chrysene-d12	240	8.822	8.827	-0.005	99	713498	40.0	
101 Chrysene	228	8.846	8.837	-0.002	94	985922	45.7	
104 Benzo[b]fluoranthene	252	9.855	9.849	-0.001	97	1037620	53.3	M
105 Benzo[k]fluoranthene	252	9.879	9.872	-0.007	1	605491	26.2	M
106 Benzo[a]pyrene	252	10.191	10.183	-0.003	96	807831	41.0	
* 107 Perylene-d12	264	10.250	10.251	-0.001	98	767810	40.0	
108 Indeno[1,2,3-cd]pyrene	276	11.376	11.398	-0.011	99	414198	26.1	
109 Dibenz(a,h)anthracene	278	11.403	11.403	-0.014	26	76589	4.15	a
110 Benzo[g,h,i]perylene	276	11.661	11.671	-0.017	94	340017	15.9	

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount

Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

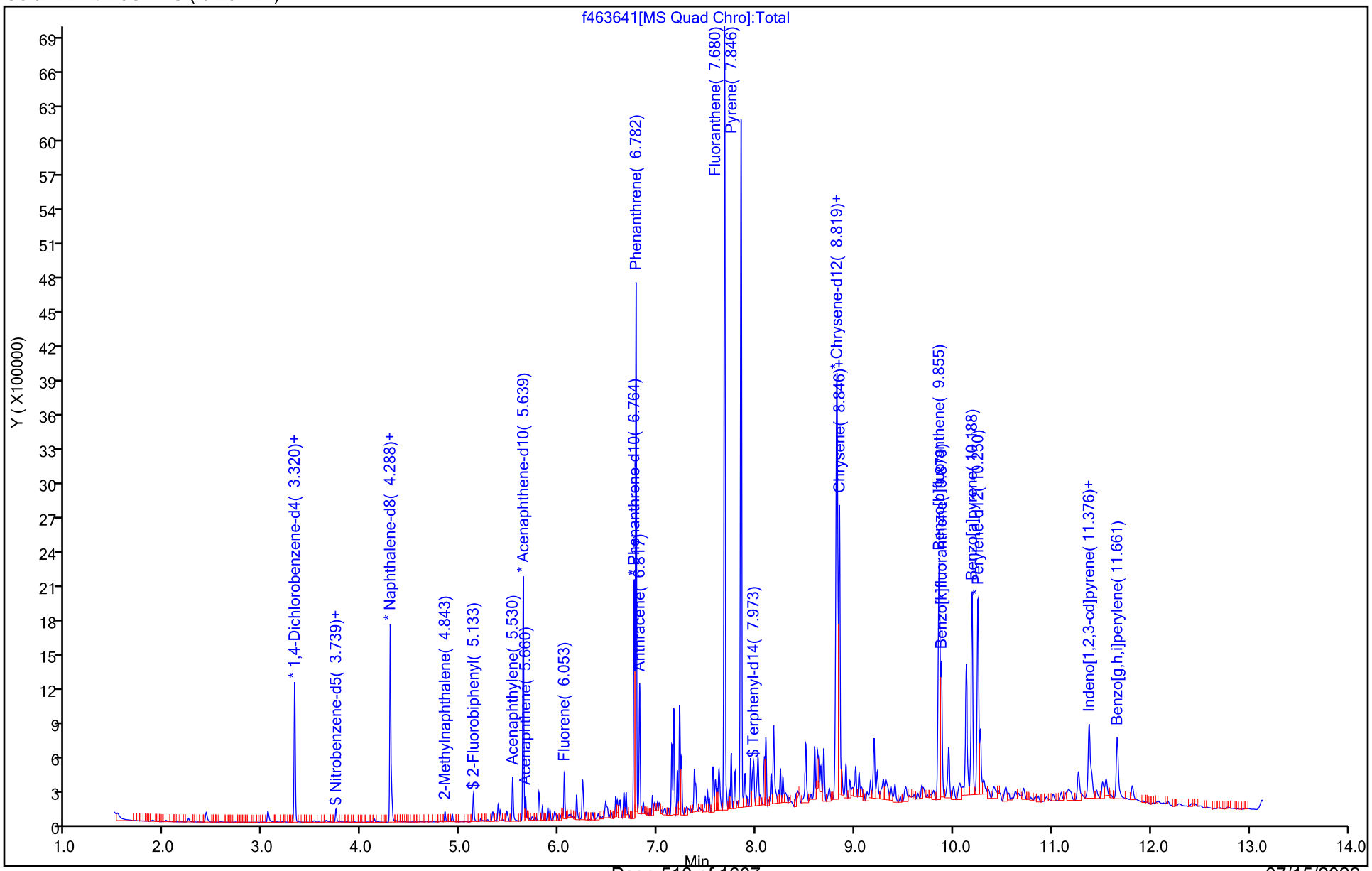
SM_ISTD_00196 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 01-Jul-2022 11:01:06 Chrom Revision: 2.3 20-Jun-2022 20:10:40

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS15\20220630-147278.b\f463641.D				
Injection Date:	30-Jun-2022 21:17:50	Instrument ID:	CBNAMS15	Operator ID:	
Lims ID:	460-260852-A-11-D	Lab Sample ID:	460-260852-11	Worklist Smp#:	38
Client ID:	BHP-HA05-COMP-S001				
Injection Vol:	1.0 ul	Dil. Factor:	5.0000	ALS Bottle#:	0
Method:	8270_15R_9	Limit Group:	SV 8270 DEL ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS15\20220630-147278.b\f463641.D				
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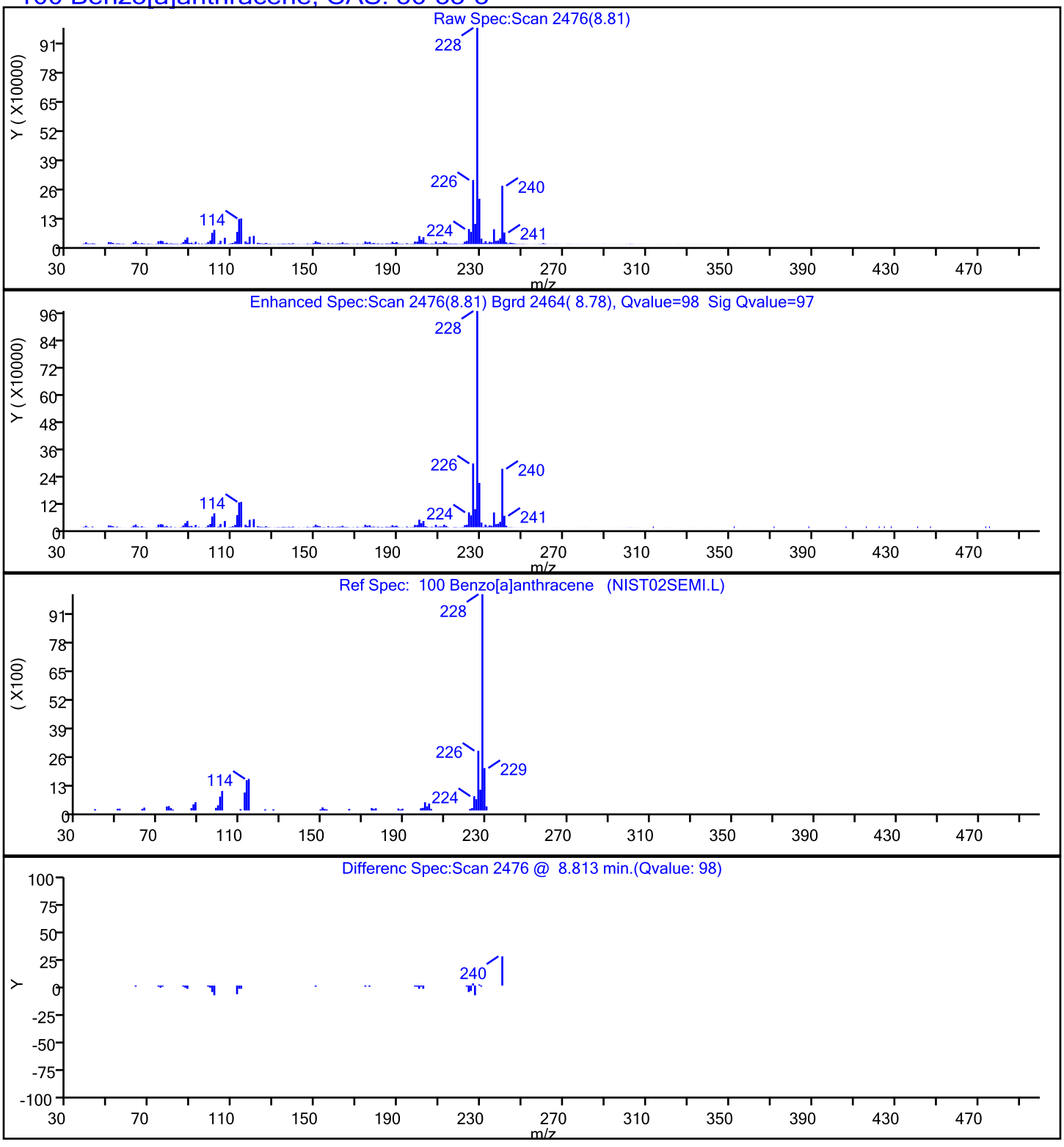
Lims ID:	460-260852-A-11-D	Lab Sample ID:	460-260852-11		
Client ID:	BHP-HA05-COMP-S001				
Operator ID:		ALS Bottle#:	0	Worklist Smp#:	38
Injection Vol:	1.0 ul	Dil. Factor:	5.0000		
Method:	8270_15R_9	Limit Group:	SV 8270 DEL ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

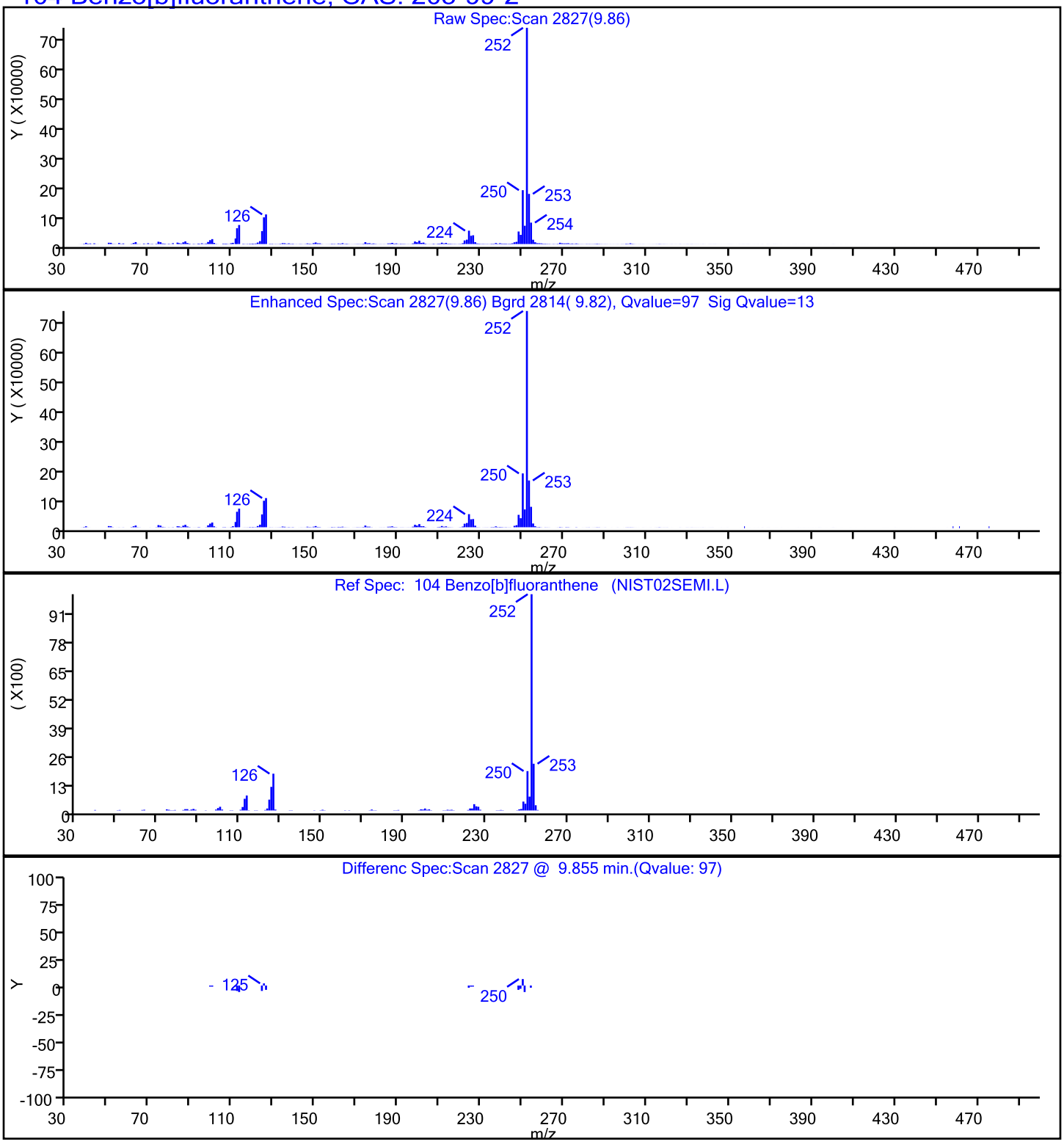
100 Benzo[a]anthracene, CAS: 56-55-3



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS15\20220630-147278.b\f463641.D				
Injection Date:	30-Jun-2022 21:17:50	Instrument ID:	CBNAMS15		
Lims ID:	460-260852-A-11-D	Lab Sample ID:	460-260852-11		
Client ID:	BHP-HA05-COMP-S001				
Operator ID:		ALS Bottle#:	0	Worklist Smp#:	38
Injection Vol:	1.0 ul	Dil. Factor:	5.0000		
Method:	8270_15R_9	Limit Group:	SV 8270 DEL ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

104 Benzo[b]fluoranthene, CAS: 205-99-2



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS15\20220630-147278.b\f463641.D				
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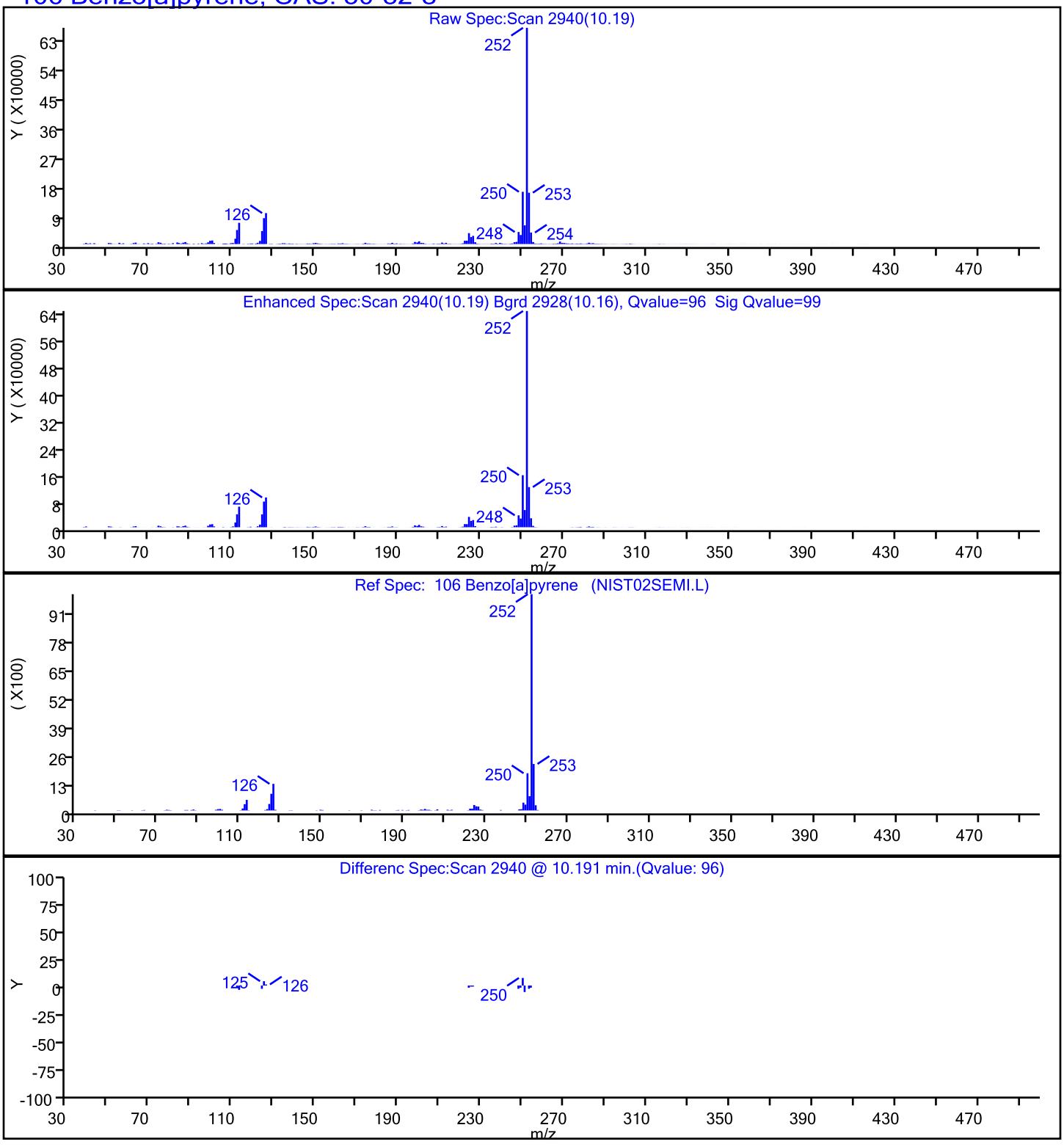
Lims ID:	460-260852-A-11-D	Lab Sample ID:	460-260852-11		
Client ID:	BHP-HA05-COMP-S001				
Operator ID:		ALS Bottle#:	0	Worklist Smp#:	38
Injection Vol:	1.0 ul	Dil. Factor:	5.0000		
Method:	8270_15R_9	Limit Group:	SV 8270 DEL ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

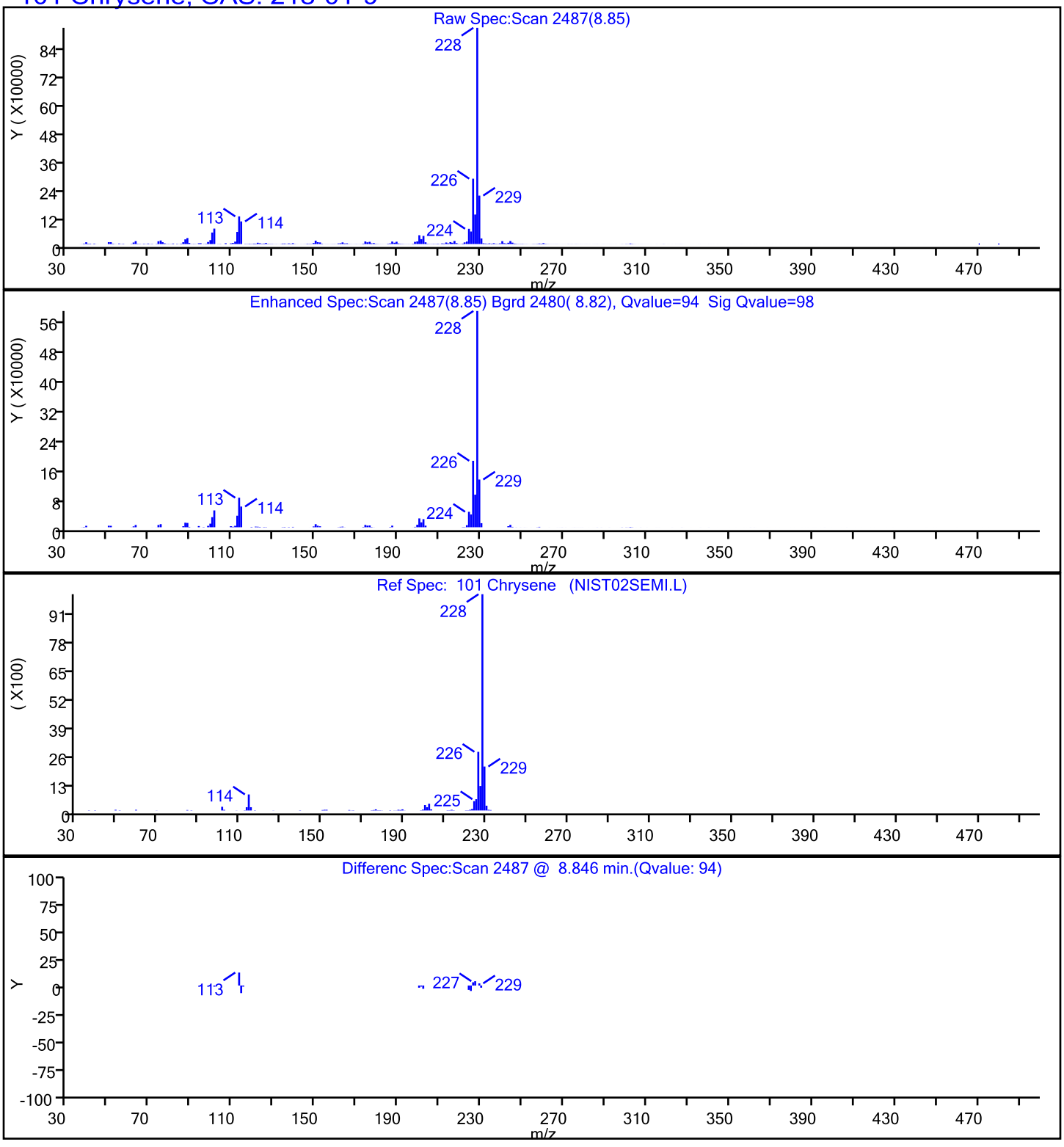
106 Benzo[a]pyrene, CAS: 50-32-8



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS15\20220630-147278.b\f463641.D				
Injection Date:	30-Jun-2022 21:17:50	Instrument ID:	CBNAMS15		
Lims ID:	460-260852-A-11-D	Lab Sample ID:	460-260852-11		
Client ID:	BHP-HA05-COMP-S001				
Operator ID:		ALS Bottle#:	0	Worklist Smp#:	38
Injection Vol:	1.0 ul	Dil. Factor:	5.0000		
Method:	8270_15R_9	Limit Group:	SV 8270 DEL ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

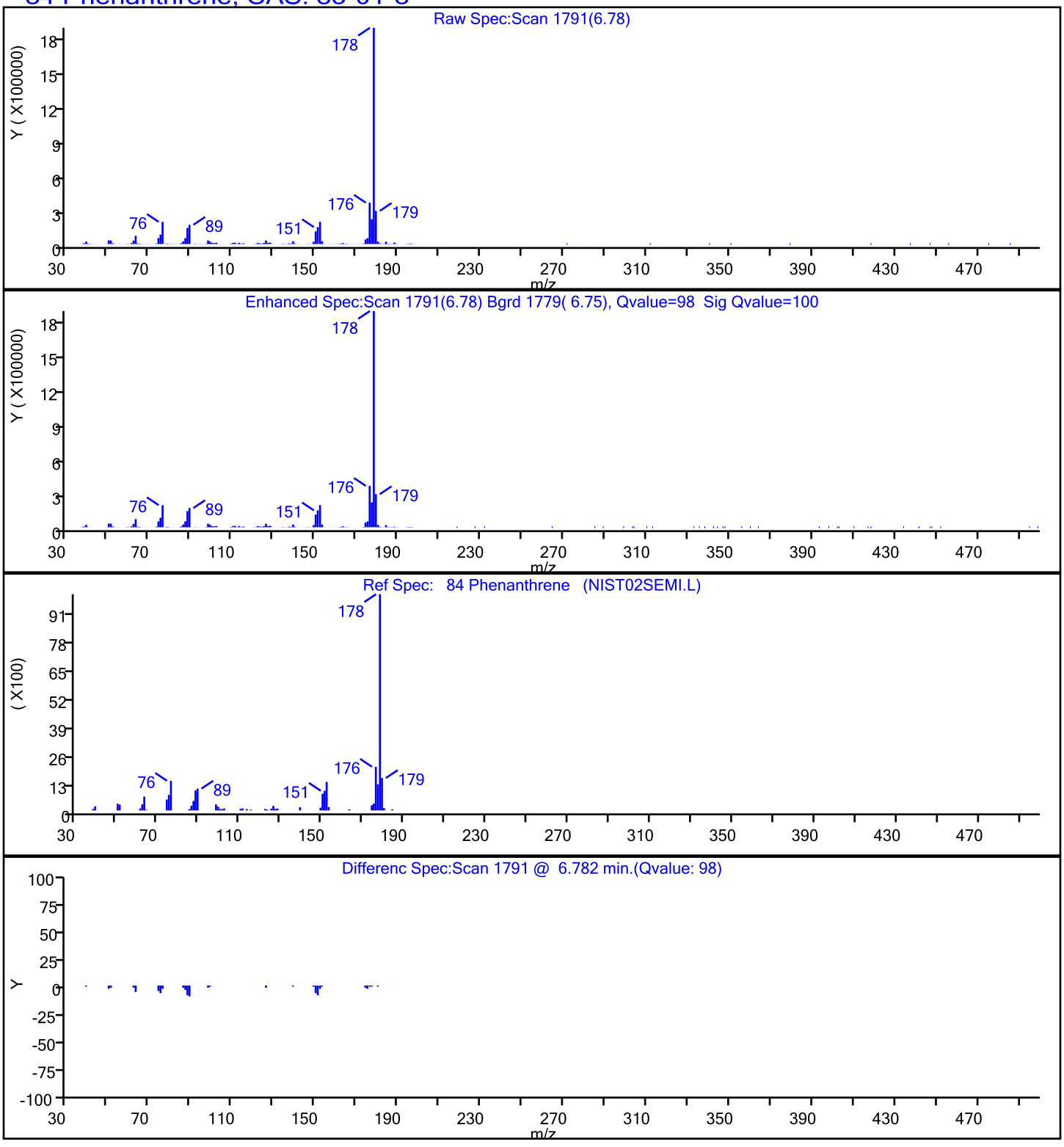
101 Chrysene, CAS: 218-01-9



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS15\20220630-147278.b\f463641.D				
Injection Date:	30-Jun-2022 21:17:50	Instrument ID:	CBNAMS15		
Lims ID:	460-260852-A-11-D	Lab Sample ID:	460-260852-11		
Client ID:	BHP-HA05-COMP-S001				
Operator ID:		ALS Bottle#:	0	Worklist Smp#:	38
Injection Vol:	1.0 ul	Dil. Factor:	5.0000		
Method:	8270_15R_9	Limit Group:	SV 8270 DEL ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

84 Phenanthrene, CAS: 85-01-8

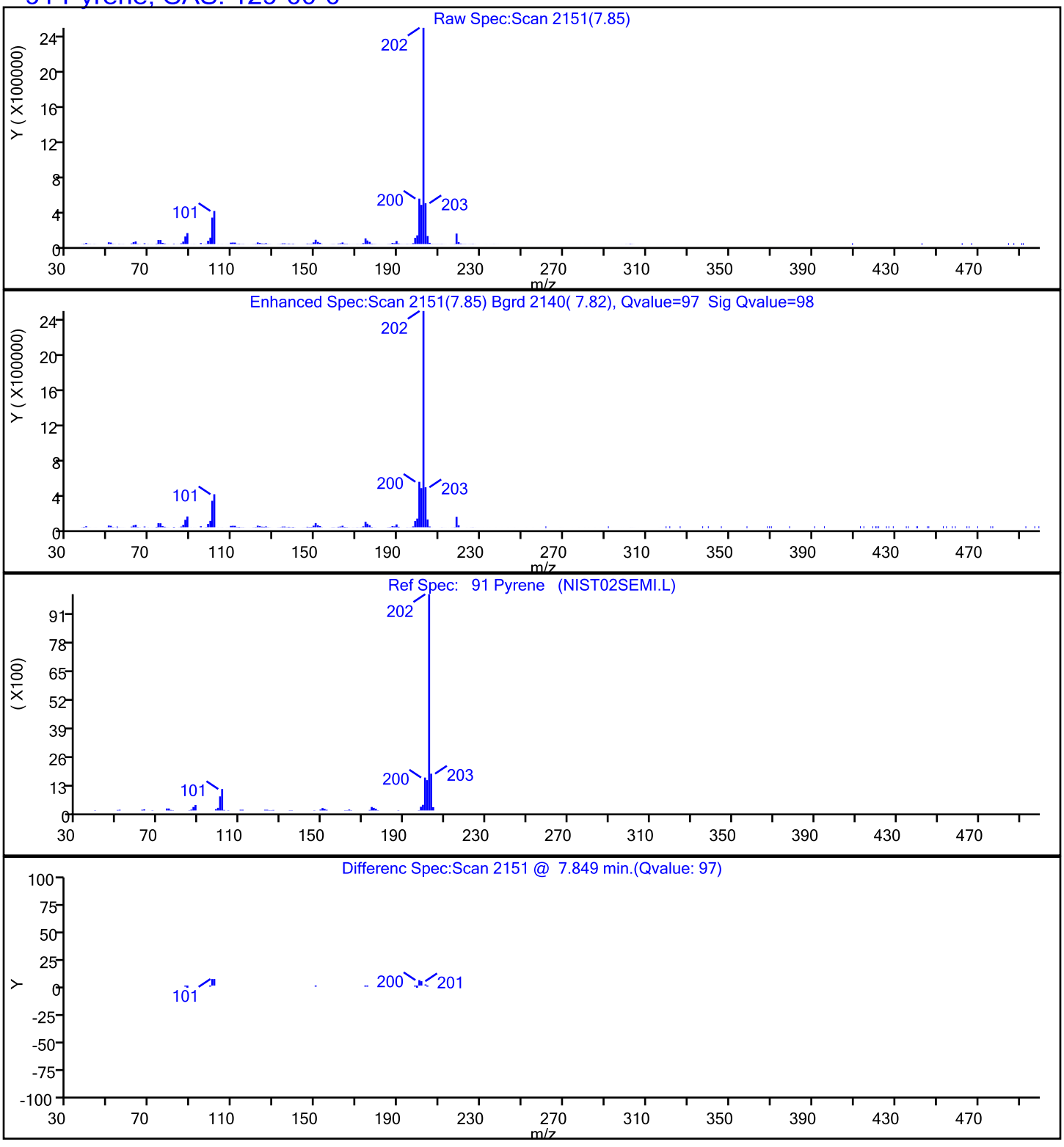


Report Date: 01-Jul-2022 11:01:06 Chrom Revision: 2.3 20-Jun-2022 20:10:40

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS15\20220630-147278.b\f463641.D				
Injection Date:	30-Jun-2022 21:17:50	Instrument ID:	CBNAMS15		
Lims ID:	460-260852-A-11-D	Lab Sample ID:	460-260852-11		
Client ID:	BHP-HA05-COMP-S001				
Operator ID:		ALS Bottle#:	0	Worklist Smp#:	38
Injection Vol:	1.0 ul	Dil. Factor:	5.0000		
Method:	8270_15R_9	Limit Group:	SV 8270 DEL ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

91 Pyrene, CAS: 129-00-0



Eurofins Edison

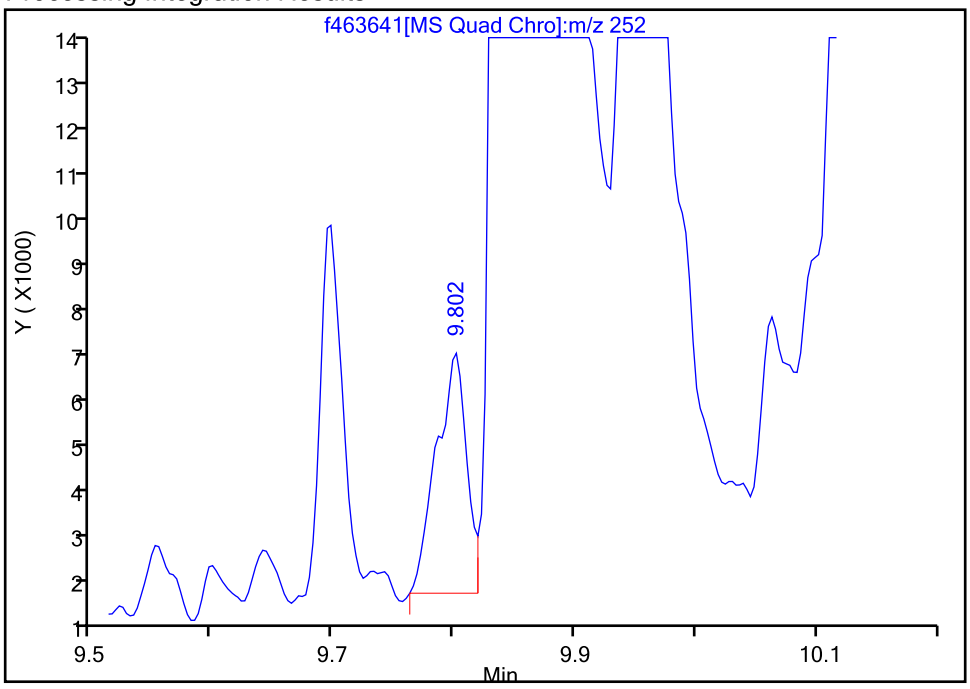
Data File:	\\chromfs\Edison\ChromData\CBNAMS15\20220630-147278.b\f463641.D				
Injection Date:	30-Jun-2022 21:17:50	Instrument ID:	CBNAMS15		
Lims ID:	460-260852-A-11-D	Lab Sample ID:	460-260852-11		
Client ID:	BHP-HA05-COMP-S001				
Operator ID:		ALS Bottle#:	0	Worklist Smp#:	38
Injection Vol:	1.0 ul	Dil. Factor:	5.0000		
Method:	8270_15R_9	Limit Group:	SV 8270 DEL ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

104 Benzo[b]fluoranthene, CAS: 205-99-2

Signal: 1

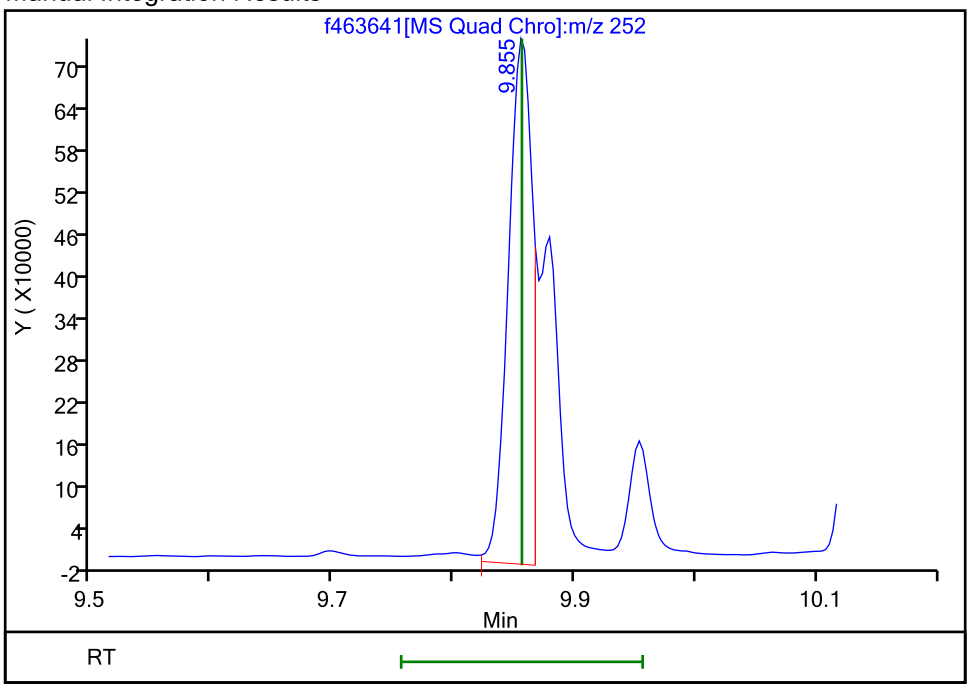
Processing Integration Results

RT: 9.80
Area: 8763
Amount: 0.449940
Amount Units: ug/ml



Manual Integration Results

RT: 9.86
Area: 1037620
Amount: 53.277025
Amount Units: ug/ml



Reviewer: U6BX, 30-Jun-2022 21:37:34
Audit Action: Manually Integrated Audit Reason: Baseline

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-260852-1

SDG No.:

Client Sample ID: BHP-HA05-COMP-S001 DL2 | Lab Sample ID: 460-260852-11 DL2

Matrix: Solid | Lab File ID: f463643.D

Analysis Method: 8270C | Date Collected: 06/23/2022 13:40

Extract. Method: 3546 | Date Extracted: 06/29/2022 17:17

Sample wt/vol: 15.00(g) | Date Analyzed: 06/30/2022 21:52

Con. Extract Vol.: 1(mL) | Dilution Factor: 10

Injection Volume: 1(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: 16.1 % Solids: 83.9 | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 852915 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
206-44-0	Fluoranthene	46000	D	3900	140

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	48	*D*	22-122
4165-60-0	Nitrobenzene-d5 (Surr)	48	*D*	16-125
1718-51-0	Terphenyl-d14 (Surr)	50	*D*	25-126

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS15\20220630-147278.b\f463643.D
Lims ID: 460-260852-A-11-D
Client ID: BHP-HA05-COMP-S001
Sample Type: Client
Inject. Date: 30-Jun-2022 21:52:18 ALS Bottle#: 0 Worklist Smp#: 40
Injection Vol: 1.0 ul Dil. Factor: 10.0000
Sample Info: 460-0147278-040
Operator ID: Instrument ID: CBNAMS15

Method: \\chromfs\Edison\ChromData\CBNAMS15\20220630-147278.b\8270_15R_9.m
Limit Group: SV 8270 DEL ICAL
Last Update: 01-Jul-2022 11:01:55 Calib Date: 30-Mar-2022 10:52:03
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS15\20220330-143392.b\f460653.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1656

First Level Reviewer: khlungprakhons Date: 01-Jul-2022 11:01:55

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 15 1,4-Dichlorobenzene-d4	152	3.318	3.325	-0.007	98	163308	40.0	
$ 26 Nitrobenzene-d5	82	3.740	3.740	-0.007	91	15115	2.39	
* 36 Naphthalene-d8	136	4.289	4.297	-0.008	100	620667	40.0	
37 Naphthalene	128	4.304	4.302	-0.007	98	41316	2.58	
42 2-Methylnaphthalene	142	4.846	4.841	-0.003	84	9729	0.8848	
$ 50 2-Fluorobiphenyl	172	5.133	5.135	-0.007	96	29766	2.39	
59 Acenaphthylene	152	5.529	5.533	-0.007	97	72460	4.58	
* 61 Acenaphthene-d10	164	5.638	5.643	-0.005	97	350663	40.0	
62 Acenaphthene	154	5.662	5.661	-0.007	57	15409	1.69	
70 Fluorene	166	6.055	6.057	-0.005	83	35937	3.21	
* 83 Phenanthrene-d10	188	6.762	6.768	-0.006	99	673853	40.0	
84 Phenanthrene	178	6.779	6.778	-0.007	98	637935	36.3	
85 Anthracene	178	6.815	6.817	-0.009	98	167559	9.35	
89 Fluoranthene	202	7.674	7.669	-0.006	97	1096185	58.0	
91 Pyrene	202	7.843	7.834	-0.003	96	912477	42.7	
$ 93 Terphenyl-d14	244	7.974	7.969	-0.005	93	45618	2.52	
100 Benzo[a]anthracene	228	8.810	8.808	-0.008	99	501780	24.4	
* 98 Chrysene-d12	240	8.816	8.827	-0.011	99	679995	40.0	
101 Chrysene	228	8.840	8.837	-0.008	95	444707	21.6	
104 Benzo[b]fluoranthene	252	9.846	9.849	-0.010	97	492970	26.7	
105 Benzo[k]fluoranthene	252	9.870	9.870	-0.016	53	202533	9.25	M
106 Benzo[a]pyrene	252	10.179	10.183	-0.015	96	345207	18.5	
* 107 Perylene-d12	264	10.241	10.251	-0.010	98	727369	40.0	
108 Indeno[1,2,3-cd]pyrene	276	11.370	11.398	-0.017	99	252379	16.8	
109 Dibenz(a,h)anthracene	278	11.397	11.403	-0.020	30	58680	3.36	
110 Benzo[g,h,i]perylene	276	11.652	11.671	-0.026	94	238775	11.8	

QC Flag Legend
Processing Flags

Review Flags
M - Manually Integrated

Reagents:

SM_ISTD_00196 Amount Added: 20.00 Units: uL Run Reagent

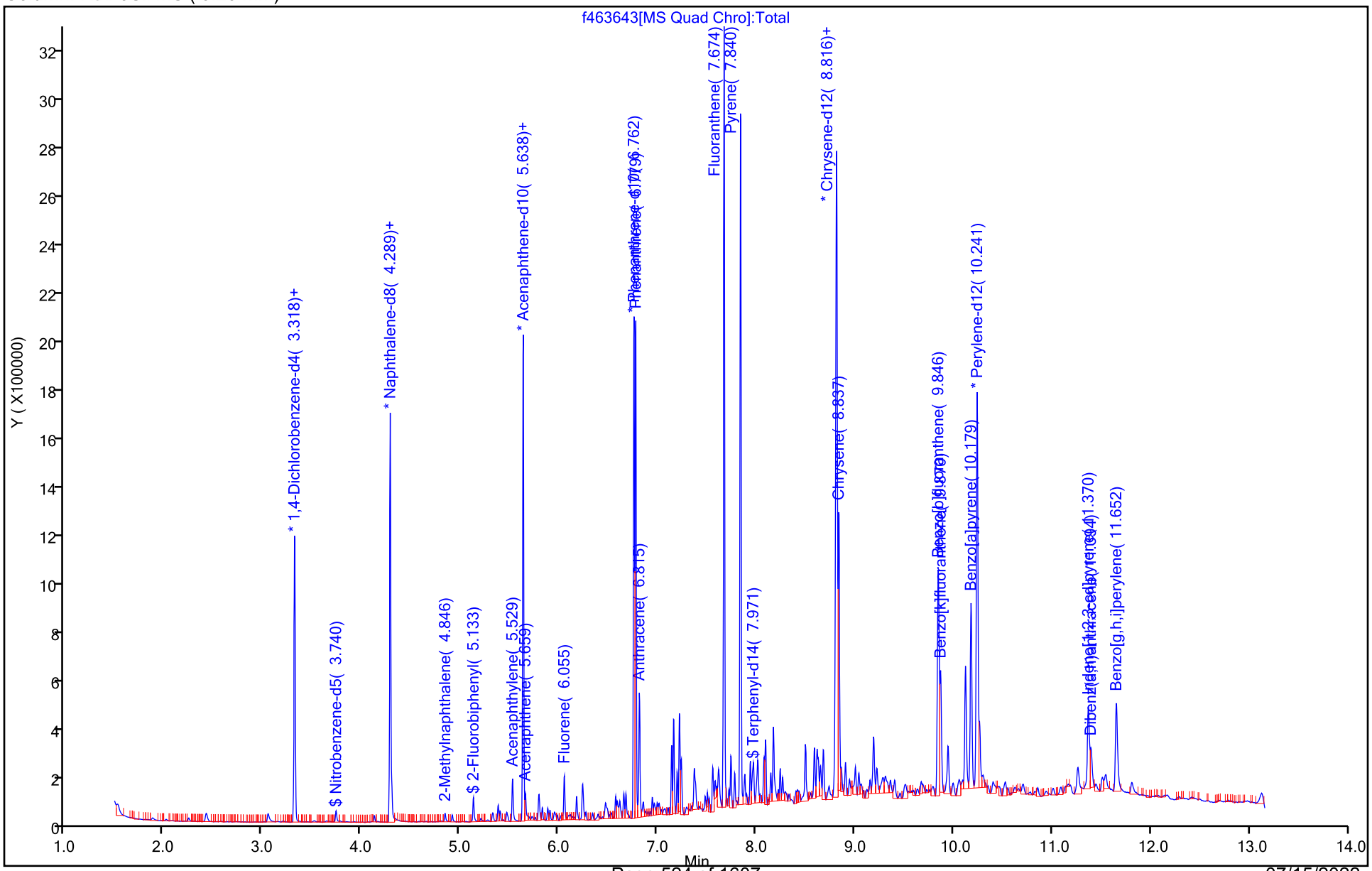
Report Date: 01-Jul-2022 11:01:55 Chrom Revision: 2.3 20-Jun-2022 20:10:40

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS15\20220630-147278.b\f463643.D

Injection Date:	30-Jun-2022 21:52:18	Instrument ID:	CBNAMS15	Operator ID:	
Lims ID:	460-260852-A-11-D	Lab Sample ID:	460-260852-11	Worklist Smp#:	40
Client ID:	BHP-HA05-COMP-S001				
Injection Vol:	1.0 ul	Dil. Factor:	10.0000	ALS Bottle#:	0
Method:	8270_15R_9	Limit Group:	SV 8270 DEL ICAL		

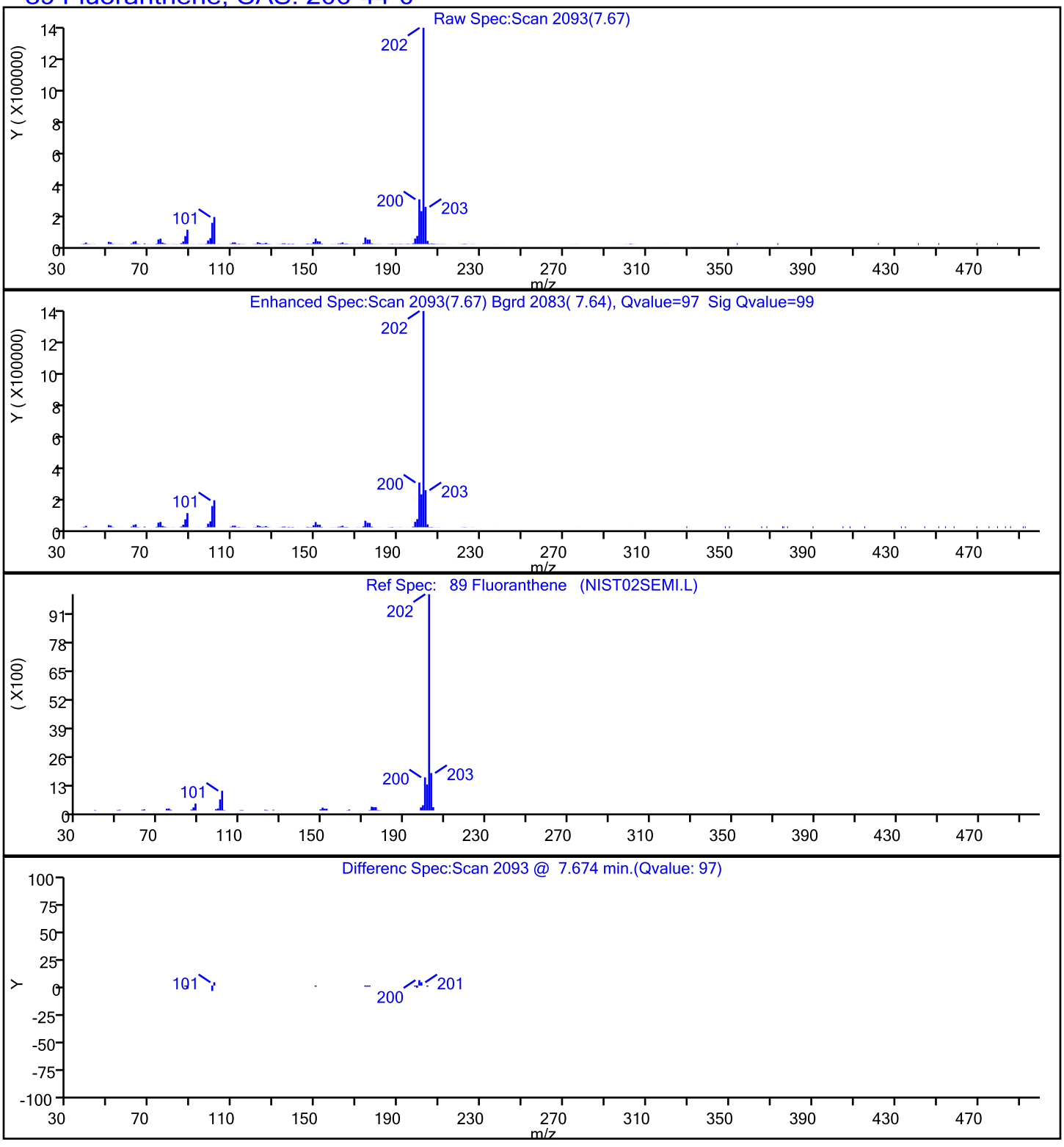
Column: Rtxi-5Sil MS (0.25 mm)



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS15\20220630-147278.b\f463643.D				
Injection Date:	30-Jun-2022 21:52:18	Instrument ID:	CBNAMS15		
Lims ID:	460-260852-A-11-D	Lab Sample ID:	460-260852-11		
Client ID:	BHP-HA05-COMP-S001				
Operator ID:		ALS Bottle#:	0	Worklist Smp#:	40
Injection Vol:	1.0 ul	Dil. Factor:	10.0000		
Method:	8270_15R_9	Limit Group:	SV 8270 DEL ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

89 Fluoranthene, CAS: 206-44-0



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-260852-1

SDG No.:

Client Sample ID: BHP-HA07-COMP-S001 | Lab Sample ID: 460-260852-15

Matrix: Solid | Lab File ID: X42517.d

Analysis Method: 8270C | Date Collected: 06/23/2022 14:20

Extract. Method: 3546 | Date Extracted: 06/29/2022 17:17

Sample wt/vol: 15.00(g) | Date Analyzed: 06/30/2022 03:29

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: 13.8 % Solids: 86.2 | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 852810 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
208-96-8	Acenaphthylene	83	J	380	11
120-12-7	Anthracene	43	J	380	12
56-55-3	Benzo[a]anthracene	400		38	13
205-99-2	Benzo[b]fluoranthene	1400		38	9.9
50-32-8	Benzo[a]pyrene	440		38	10
191-24-2	Benzo[g,h,i]perylene	560		380	11
207-08-9	Benzo[k]fluoranthene	300		38	7.5
218-01-9	Chrysene	710		380	6.5
53-70-3	Dibenz(a,h)anthracene	160		38	17
206-44-0	Fluoranthene	490		380	13
91-20-3	Naphthalene	230	J	380	6.6
85-01-8	Phenanthrene	230	J	380	6.7
129-00-0	Pyrene	420		380	9.5
86-73-7	Fluorene	16	J	380	11
83-32-9	Acenaphthene	13	J	380	11
193-39-5	Indeno[1,2,3-cd]pyrene	570		38	15
91-58-7	2-Chloronaphthalene	18	J	380	18
91-57-6	2-Methylnaphthalene	130	J	380	11

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	70		22-122
4165-60-0	Nitrobenzene-d5 (Surr)	66		16-125
1718-51-0	Terphenyl-d14 (Surr)	65		25-126

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42517.d
Lims ID: 460-260852-A-15-D
Client ID: BHP-HA07-COMP-S001
Sample Type: Client
Inject. Date: 30-Jun-2022 03:29:30 ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0147251-015
Operator ID: Instrument ID: CBNAMS5

Method: \\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\8270_5R.m
Limit Group: SV 8270 DEL ICAL
Last Update: 30-Jun-2022 11:56:45 Calib Date: 03-Jun-2022 09:29:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS5\20220602-146048.b\X41882.d

Column 1 : Det: MS SCAN
Process Host: CTX1633

First Level Reviewer: maheseep Date: 30-Jun-2022 16:33:20

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 14 1,4-Dichlorobenzene-d4	152	4.310	4.304	0.006	98	150462	40.0	
$ 26 Nitrobenzene-d5	82	4.834	4.840	-0.006	92	192012	32.9	
* 38 Naphthalene-d8	136	5.522	5.522	0.000	100	551040	40.0	
39 Naphthalene	128	5.539	5.540	-0.001	97	42478	2.99	
44 2-Methylnaphthalene	142	6.198	6.198	0.000	81	15930	1.69	
$ 51 2-Fluorobiphenyl	172	6.551	6.557	0.000	97	351401	35.2	
53 2-Chloronaphthalene	162	6.663	6.668	0.000	55	1759	0.2320	
61 Acenaphthylene	152	7.051	7.057	0.000	97	13360	1.07	
* 65 Acenaphthene-d10	164	7.186	7.181	0.005	97	257684	40.0	
67 Acenaphthene	154	7.216	7.222	0.000	0	1191	0.1633	
75 Fluorene	166	7.704	7.705	0.006	54	1652	0.2010	
* 88 Phenanthrene-d10	188	8.586	8.581	0.005	99	458501	40.0	
89 Phenanthrene	178	8.604	8.610	0.000	94	36025	2.98	
90 Anthracene	178	8.657	8.657	0.006	84	6898	0.5548	
93 Fluoranthene	202	9.727	9.734	-0.001	97	83237	6.33	
95 Pyrene	202	9.939	9.950	0.000	96	71079	5.39	
$ 96 Terphenyl-d14	244	10.098	10.109	0.000	98	384108	32.7	
101 Benzo[a]anthracene	228	11.180	11.186	0.005	61	66300	5.19	
* 102 Chrysene-d12	240	11.192	11.186	0.006	99	411164	40.0	
103 Chrysene	228	11.216	11.227	0.000	91	108508	9.18	
106 Benzo[b]fluoranthene	252	12.533	12.539	0.011	97	256887	18.3	M
107 Benzo[k]fluoranthene	252	12.557	12.568	-0.006	1	54643	3.87	Ma
108 Benzo[a]pyrene	252	12.974	12.986	0.005	95	75679	5.63	
* 109 Perylene-d12	264	13.057	13.045	0.012	98	499979	40.0	
110 Indeno[1,2,3-cd]pyrene	276	14.586	14.600	0.006	99	101161	7.35	
111 Dibenz(a,h)anthracene	278	14.621	14.633	0.000	35	30958	2.12	
112 Benzo[g,h,i]perylene	276	15.004	15.018	0.006	91	108821	7.23	

QC Flag Legend
Processing Flags

Review Flags
M - Manually Integrated
a - User Assigned ID

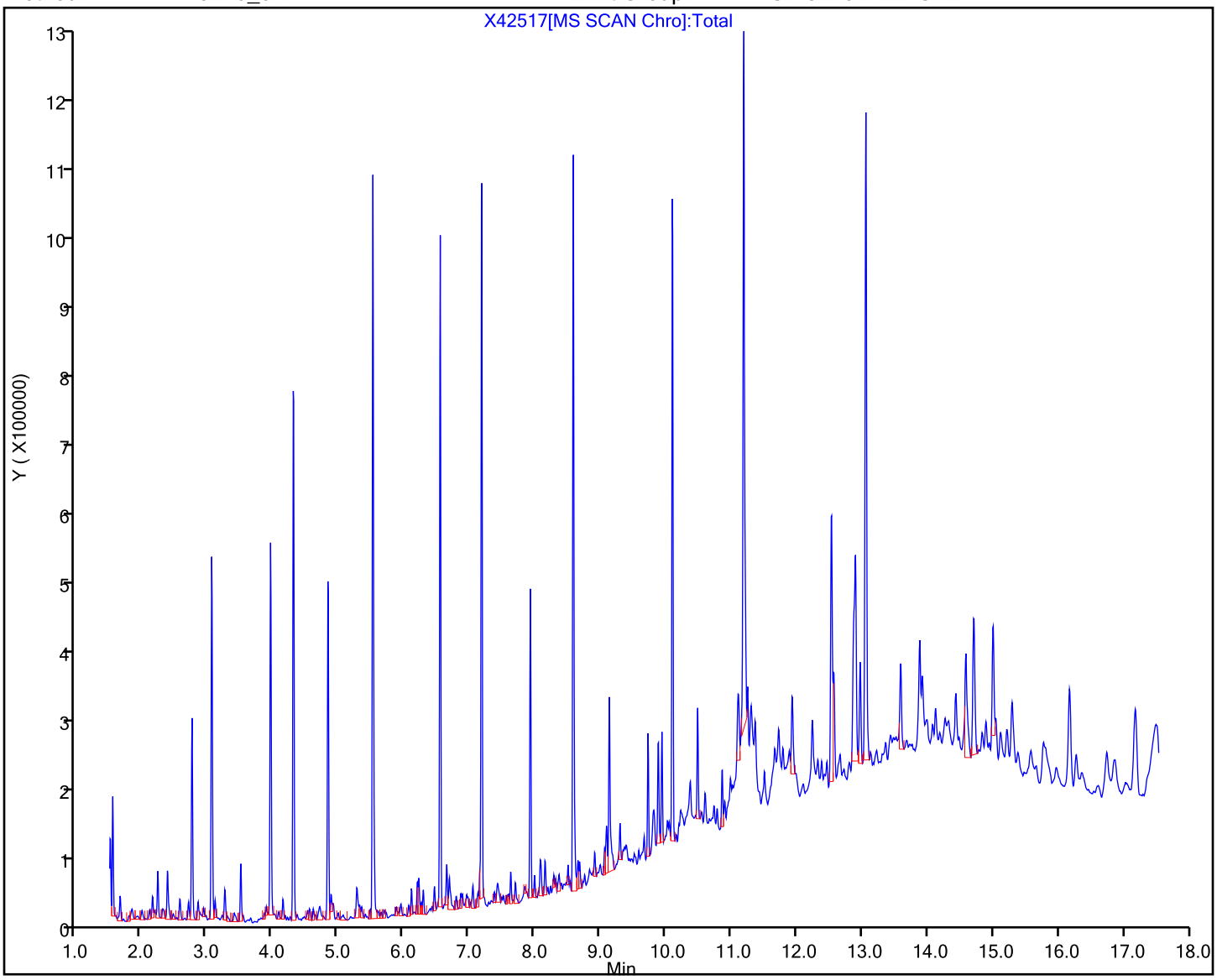
Reagents:

SM_ISTD_00196 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 30-Jun-2022 12:09:59 Chrom Revision: 2.3 20-Jun-2022 20:10:40

Eurofins Edison

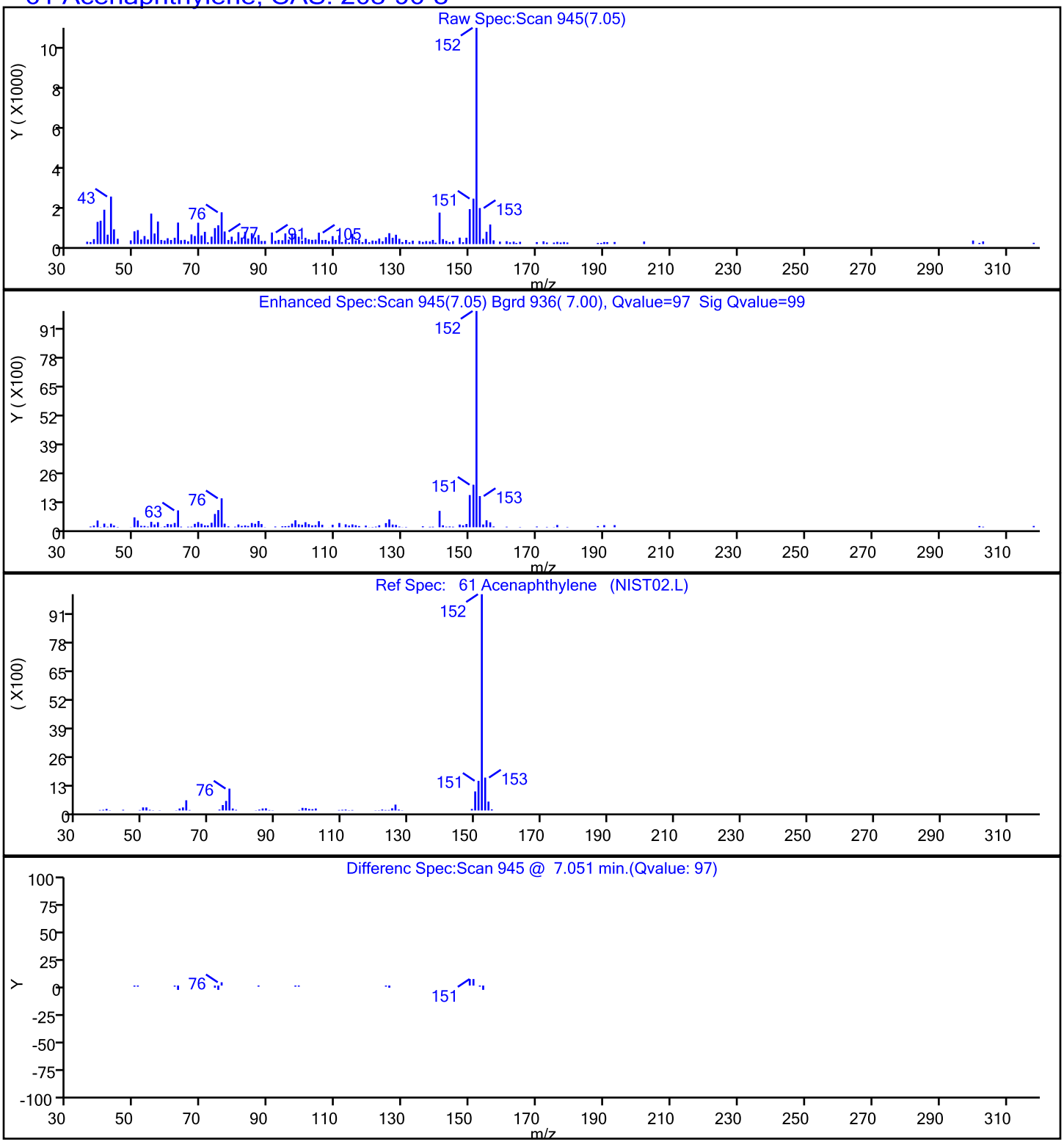
Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42517.d				
Injection Date:	30-Jun-2022 03:29:30	Instrument ID:	CBNAMS5		
Lims ID:	460-260852-A-15-D	Lab Sample ID:	460-260852-15		
Client ID:	BHP-HA07-COMP-S001				
Operator ID:		ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42517.d				
Injection Date:	30-Jun-2022 03:29:30	Instrument ID:	CBNAMS5		
Lims ID:	460-260852-A-15-D	Lab Sample ID:	460-260852-15		
Client ID:	BHP-HA07-COMP-S001				
Operator ID:		ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

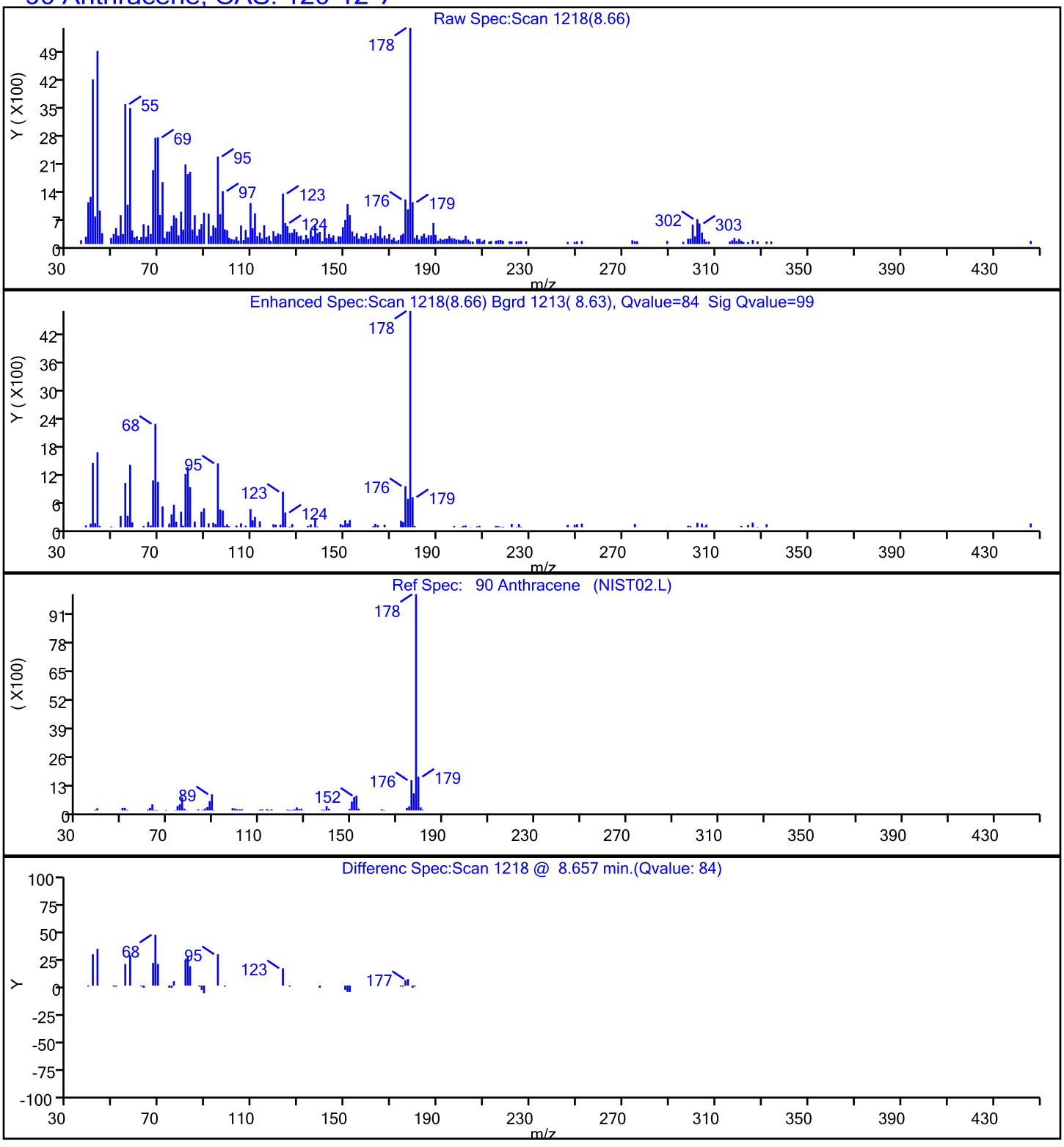
61 Acenaphthylene, CAS: 208-96-8



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42517.d				
Injection Date:	30-Jun-2022 03:29:30	Instrument ID:	CBNAMS5		
Lims ID:	460-260852-A-15-D	Lab Sample ID:	460-260852-15		
Client ID:	BHP-HA07-COMP-S001				
Operator ID:		ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

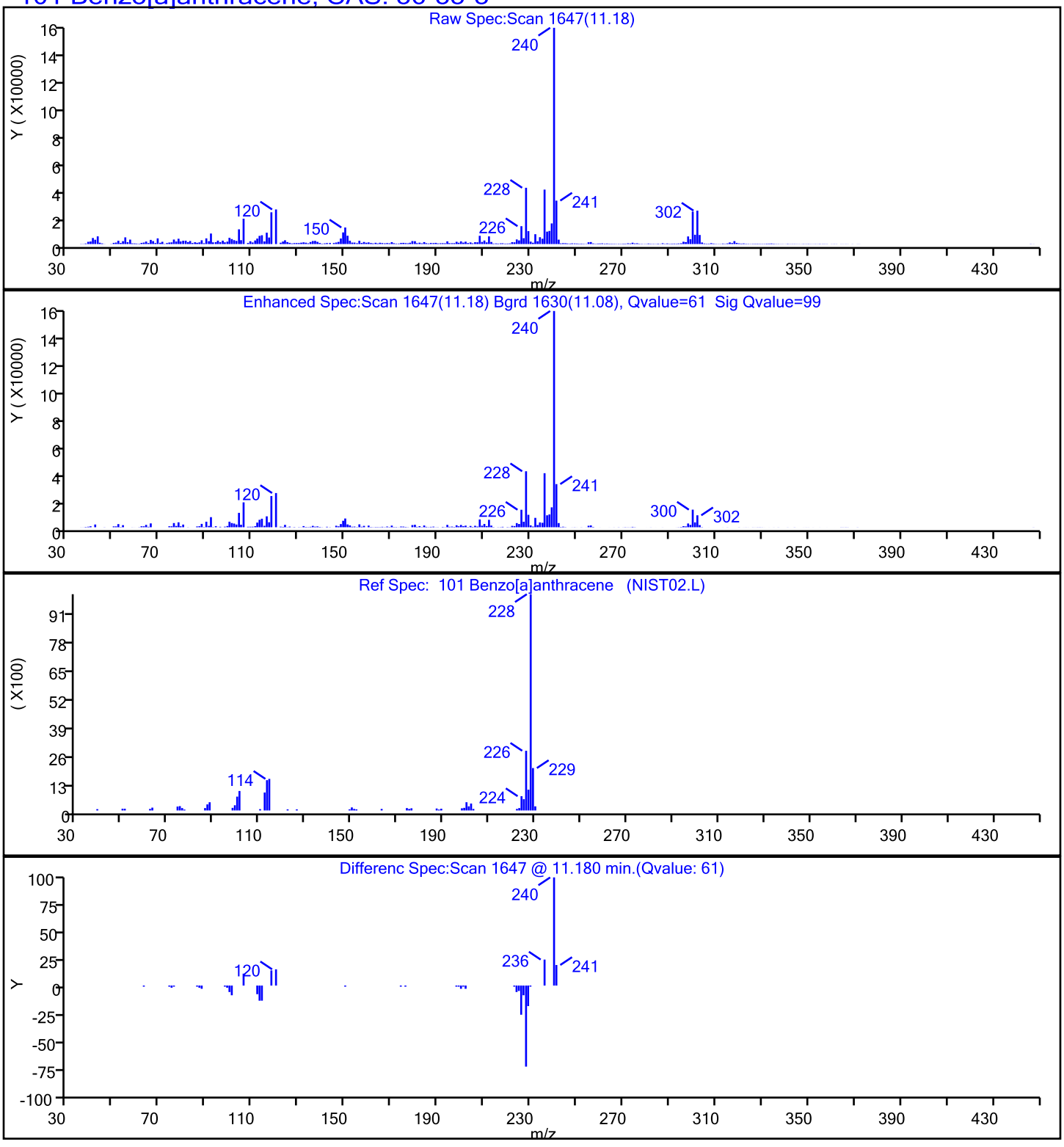
90 Anthracene, CAS: 120-12-7



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42517.d				
Injection Date:	30-Jun-2022 03:29:30	Instrument ID:	CBNAMS5		
Lims ID:	460-260852-A-15-D	Lab Sample ID:	460-260852-15		
Client ID:	BHP-HA07-COMP-S001				
Operator ID:		ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

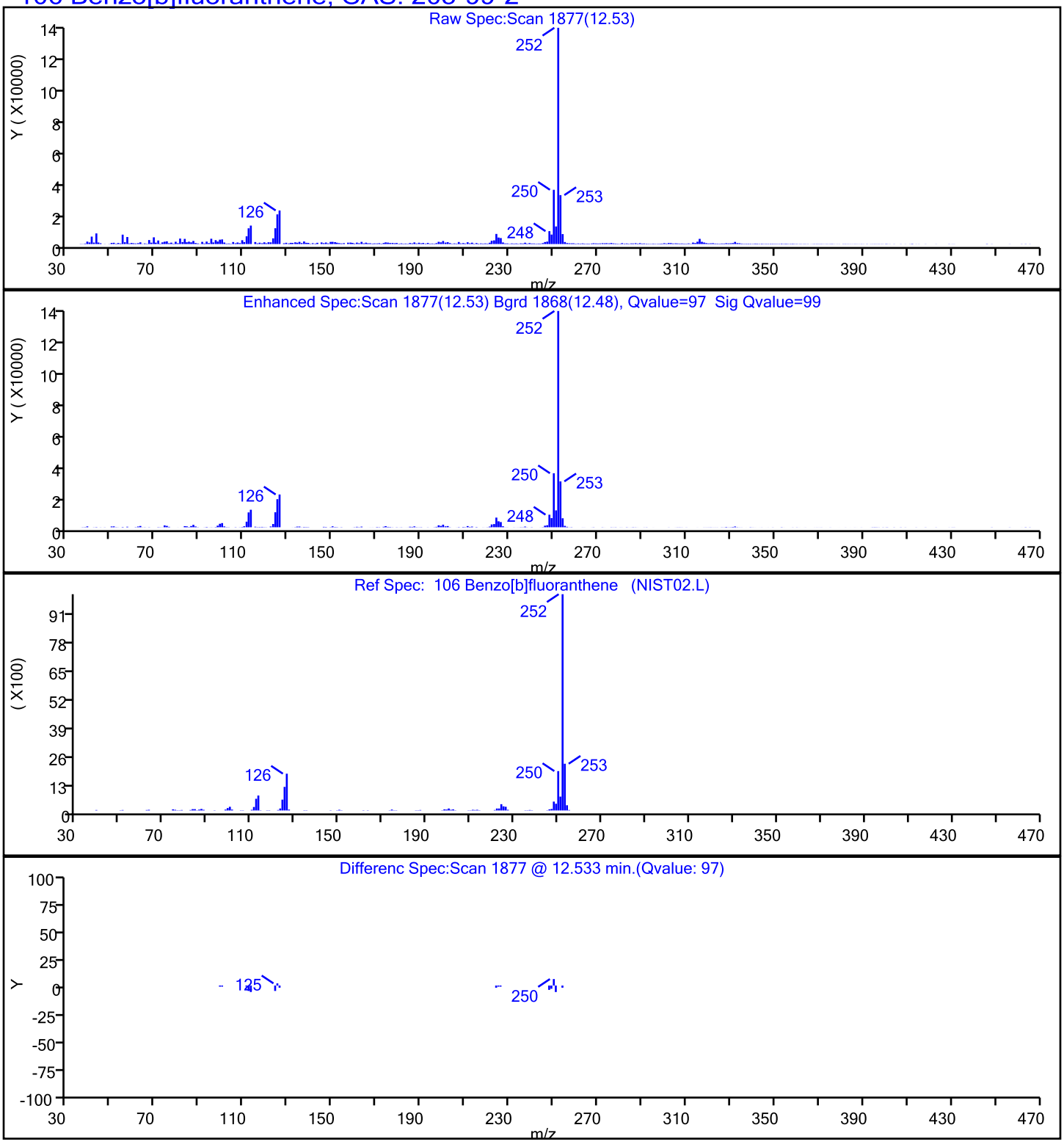
101 Benzo[a]anthracene, CAS: 56-55-3



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42517.d				
Injection Date:	30-Jun-2022 03:29:30	Instrument ID:	CBNAMS5		
Lims ID:	460-260852-A-15-D	Lab Sample ID:	460-260852-15		
Client ID:	BHP-HA07-COMP-S001				
Operator ID:		ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

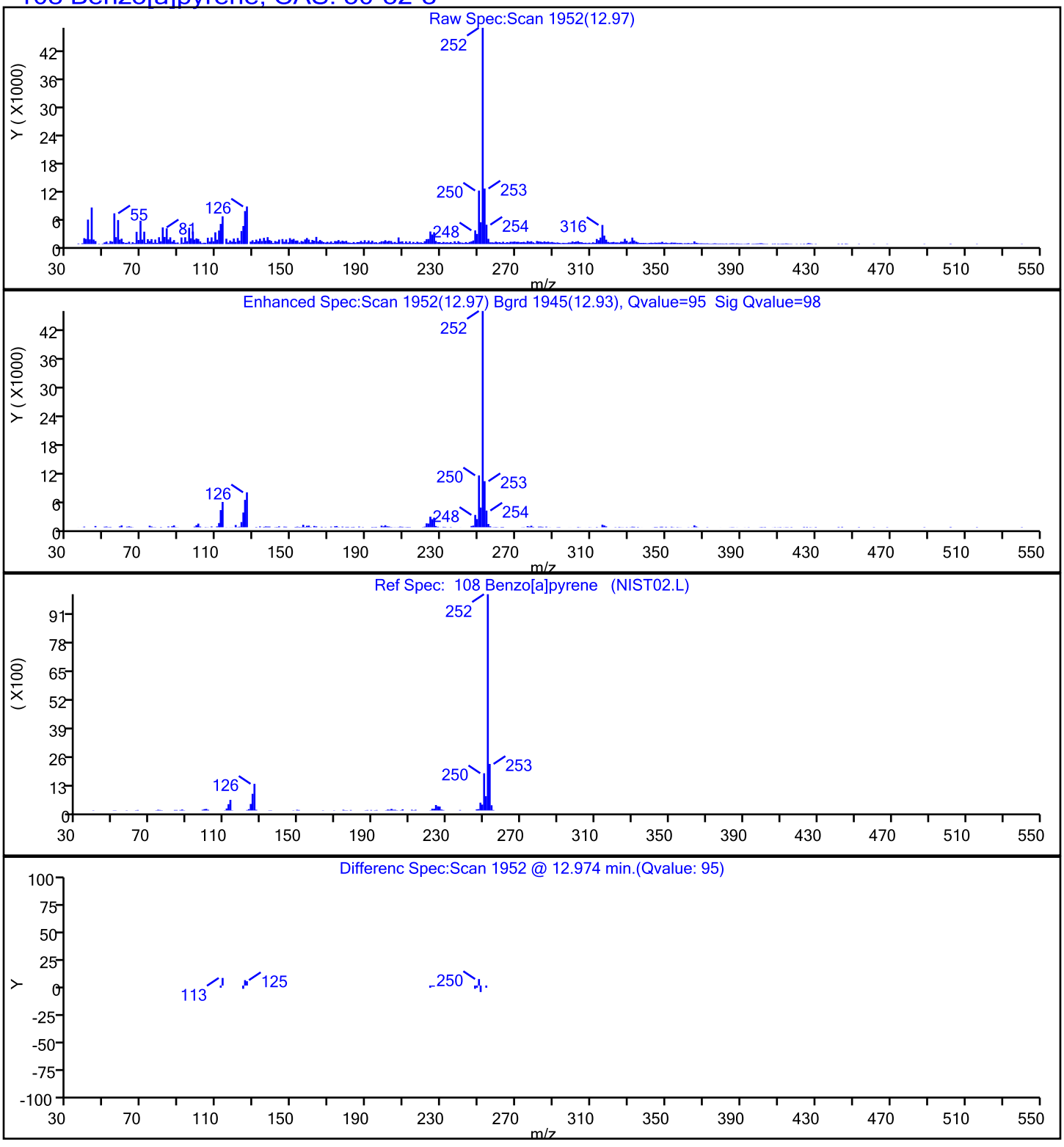
106 Benzo[b]fluoranthene, CAS: 205-99-2



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42517.d				
Injection Date:	30-Jun-2022 03:29:30	Instrument ID:	CBNAMS5		
Lims ID:	460-260852-A-15-D	Lab Sample ID:	460-260852-15		
Client ID:	BHP-HA07-COMP-S001				
Operator ID:		ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

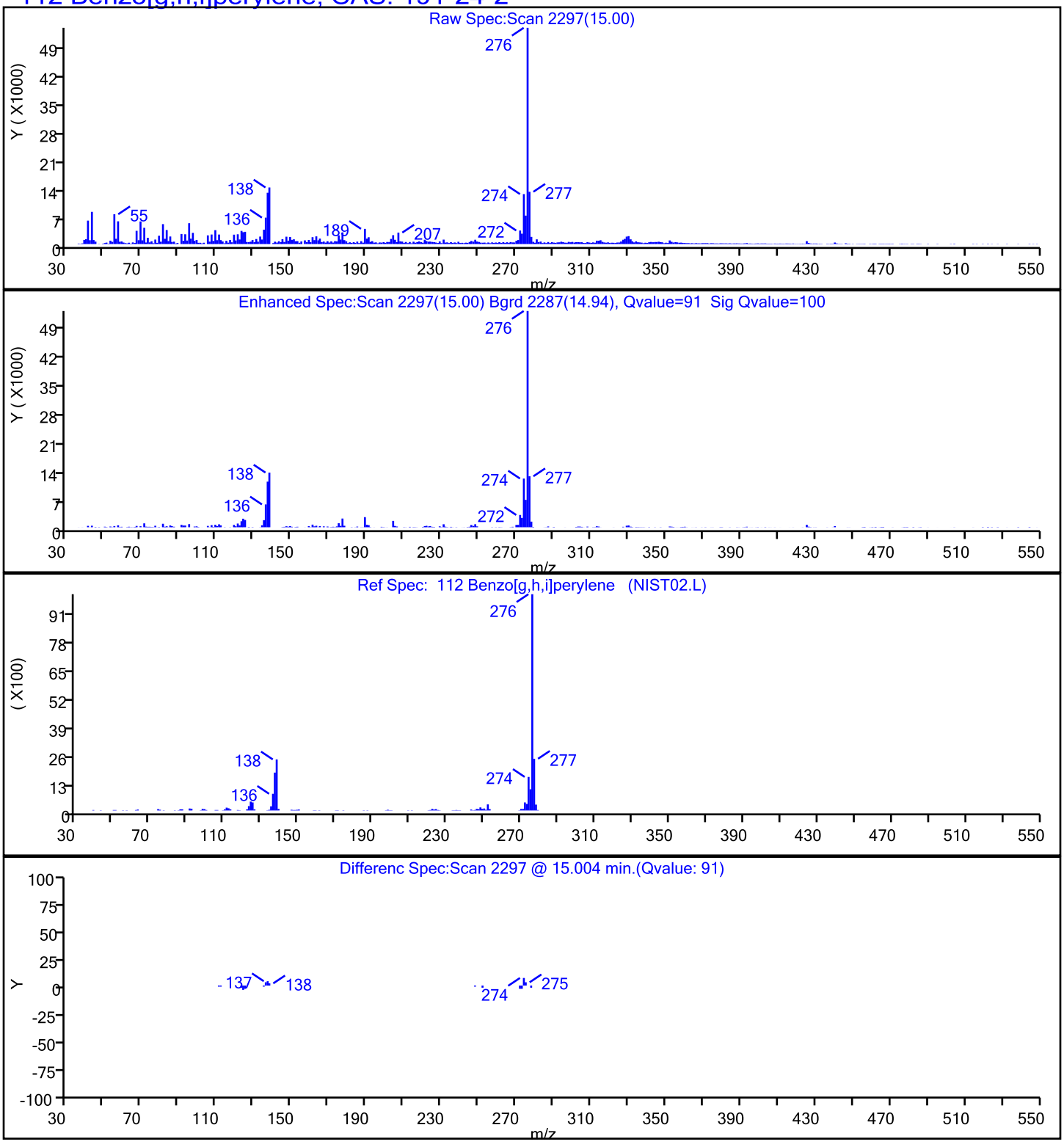
108 Benzo[a]pyrene, CAS: 50-32-8



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42517.d				
Injection Date:	30-Jun-2022 03:29:30	Instrument ID:	CBNAMS5		
Lims ID:	460-260852-A-15-D	Lab Sample ID:	460-260852-15		
Client ID:	BHP-HA07-COMP-S001				
Operator ID:		ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

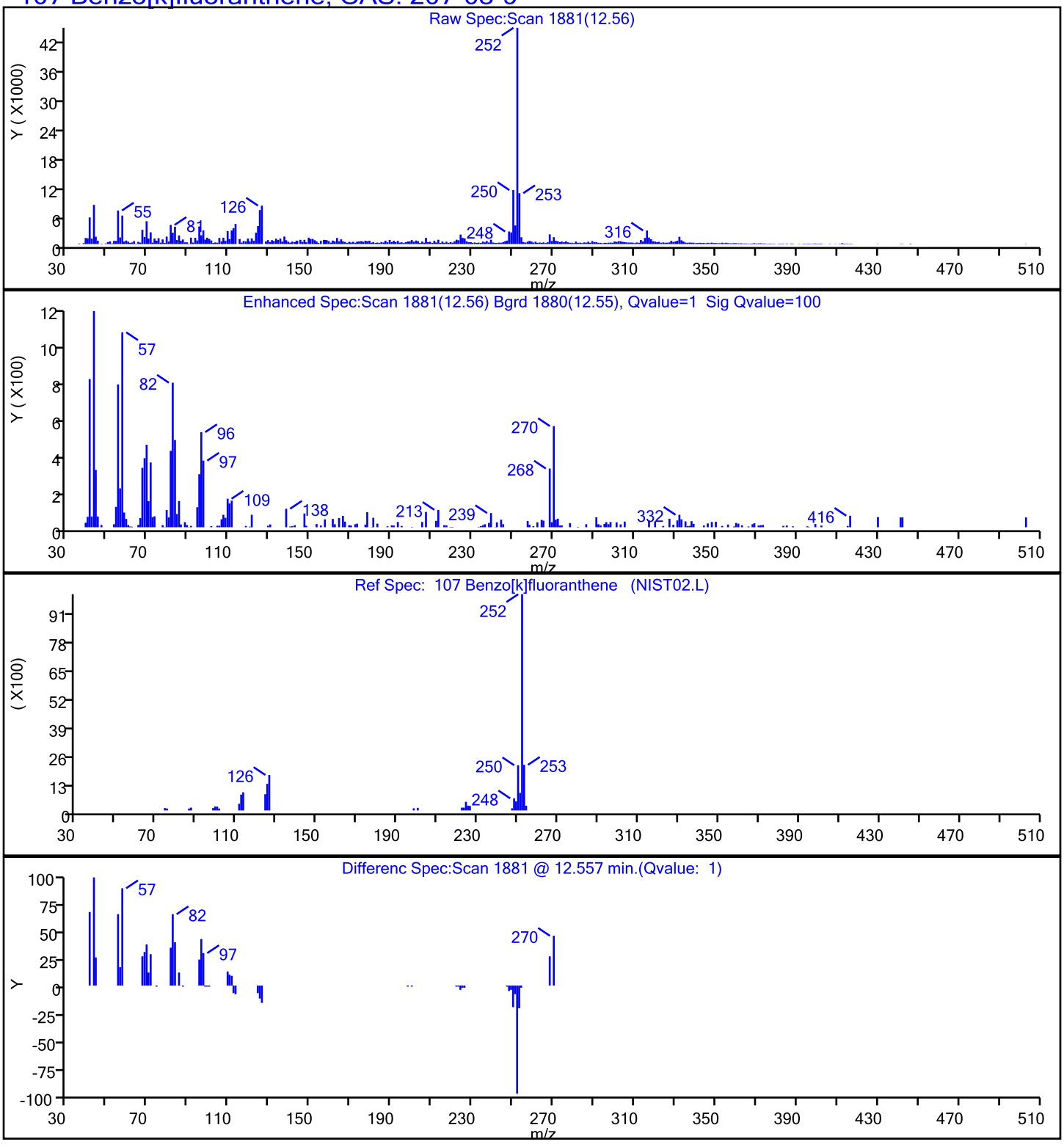
112 Benzo[g,h,i]perylene, CAS: 191-24-2



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42517.d				
Injection Date:	30-Jun-2022 03:29:30	Instrument ID:	CBNAMS5		
Lims ID:	460-260852-A-15-D	Lab Sample ID:	460-260852-15		
Client ID:	BHP-HA07-COMP-S001				
Operator ID:		ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

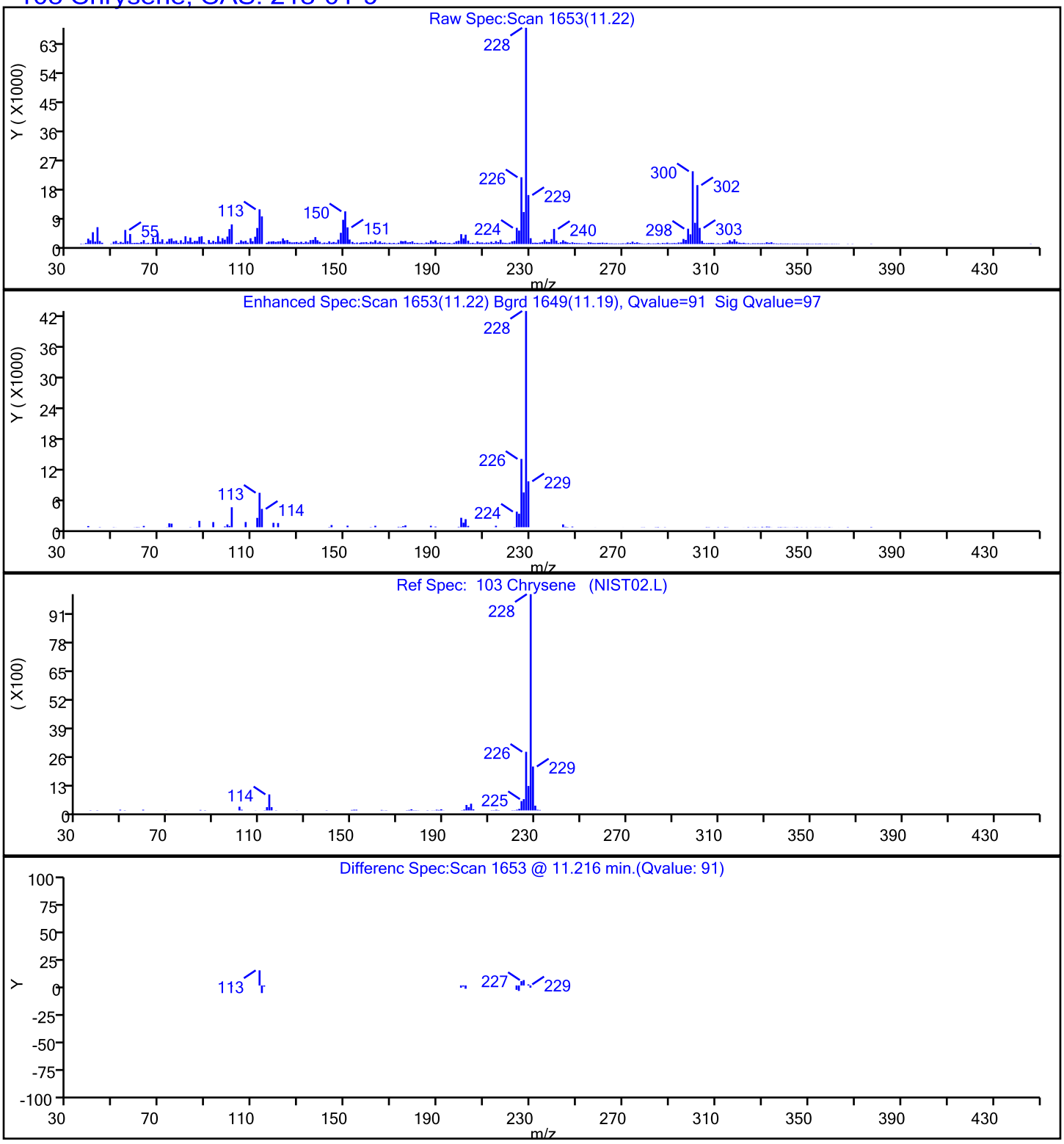
107 Benzo[k]fluoranthene, CAS: 207-08-9



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42517.d				
Injection Date:	30-Jun-2022 03:29:30	Instrument ID:	CBNAMS5		
Lims ID:	460-260852-A-15-D	Lab Sample ID:	460-260852-15		
Client ID:	BHP-HA07-COMP-S001				
Operator ID:		ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

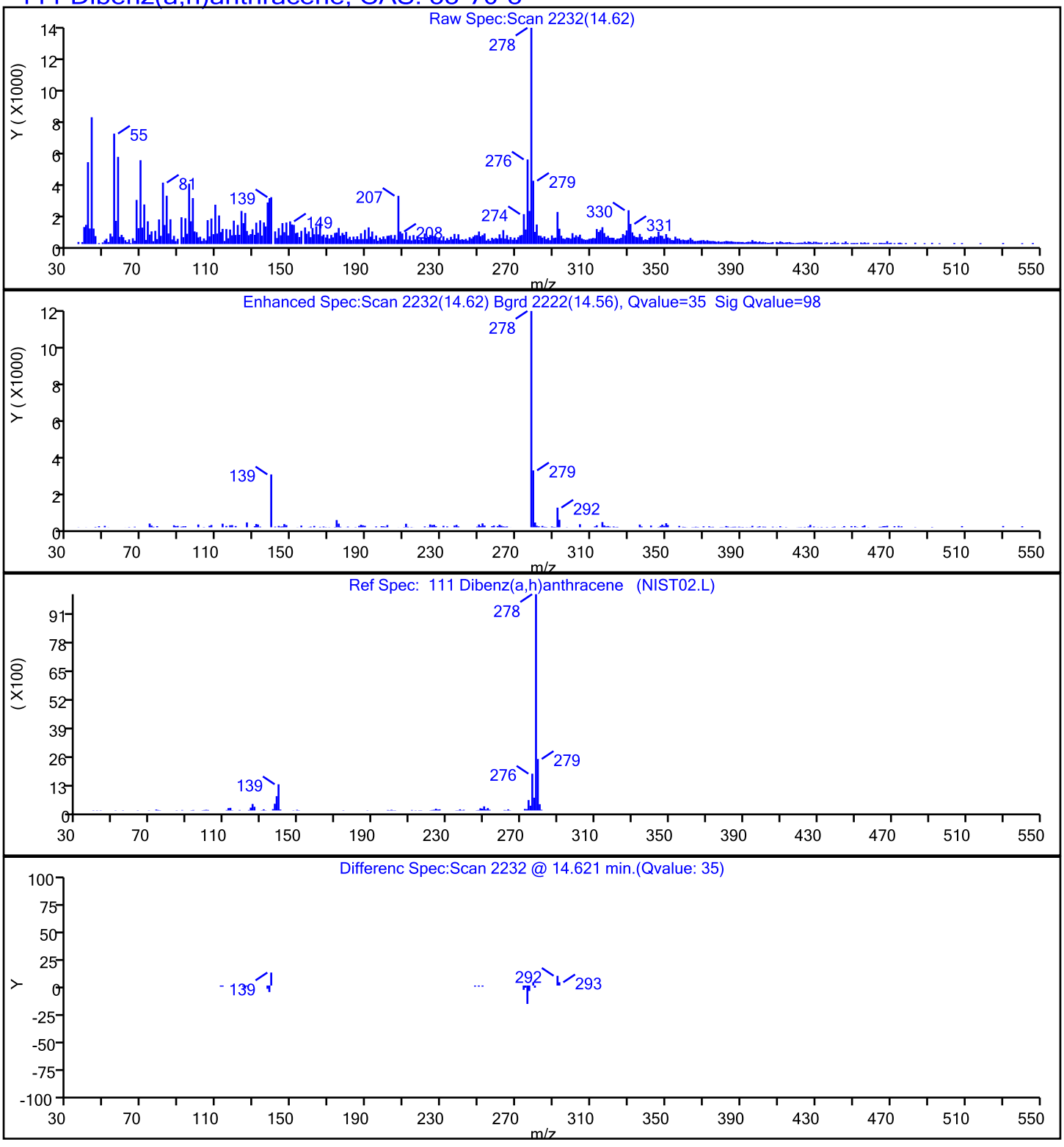
103 Chrysene, CAS: 218-01-9



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42517.d				
Injection Date:	30-Jun-2022 03:29:30	Instrument ID:	CBNAMS5		
Lims ID:	460-260852-A-15-D	Lab Sample ID:	460-260852-15		
Client ID:	BHP-HA07-COMP-S001				
Operator ID:		ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

111 Dibenz(a,h)anthracene, CAS: 53-70-3



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42517.d				
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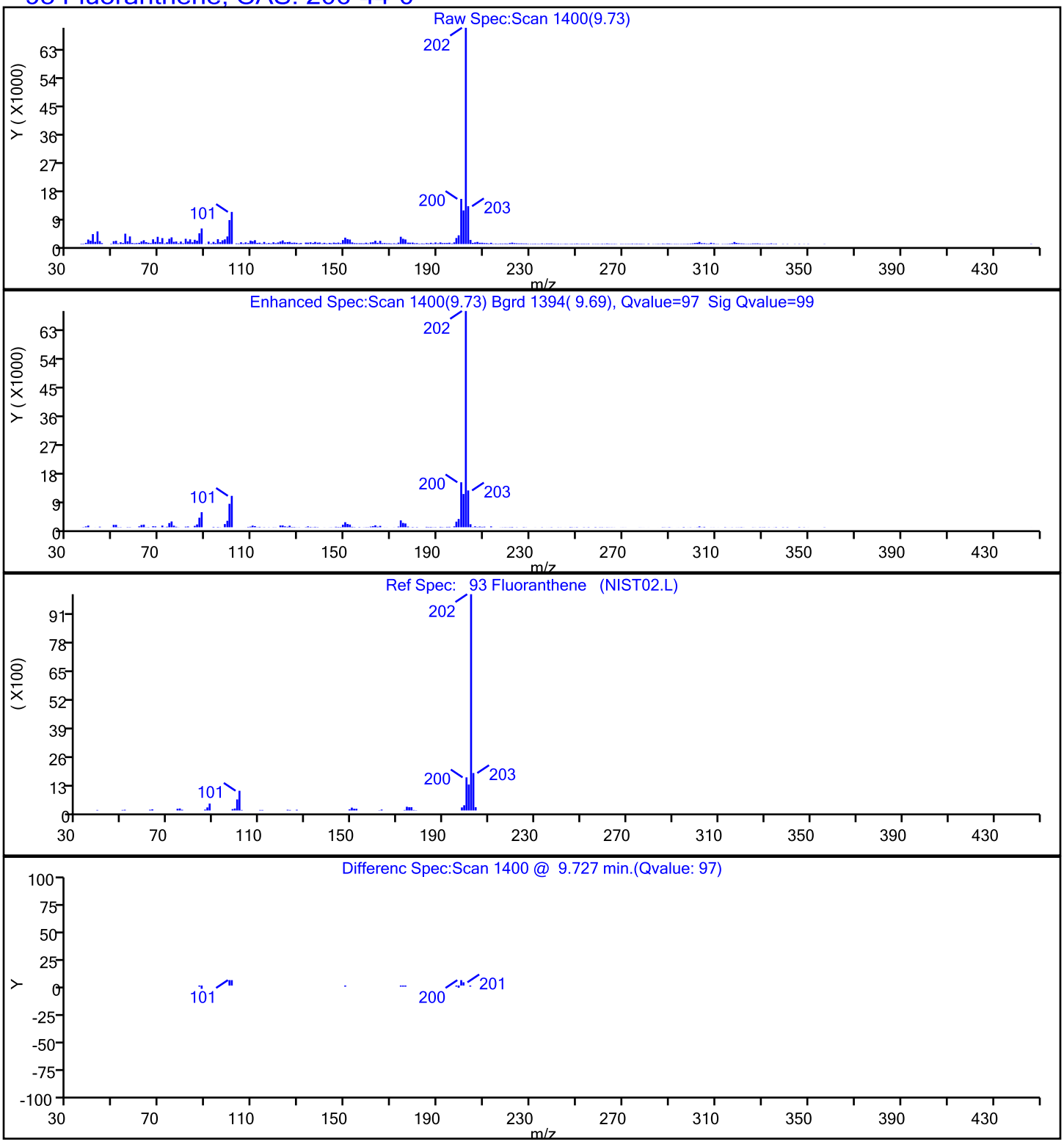
Lims ID:	460-260852-A-15-D	Lab Sample ID:	460-260852-15		
Client ID:	BHP-HA07-COMP-S001				
Operator ID:		ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

93 Fluoranthene, CAS: 206-44-0



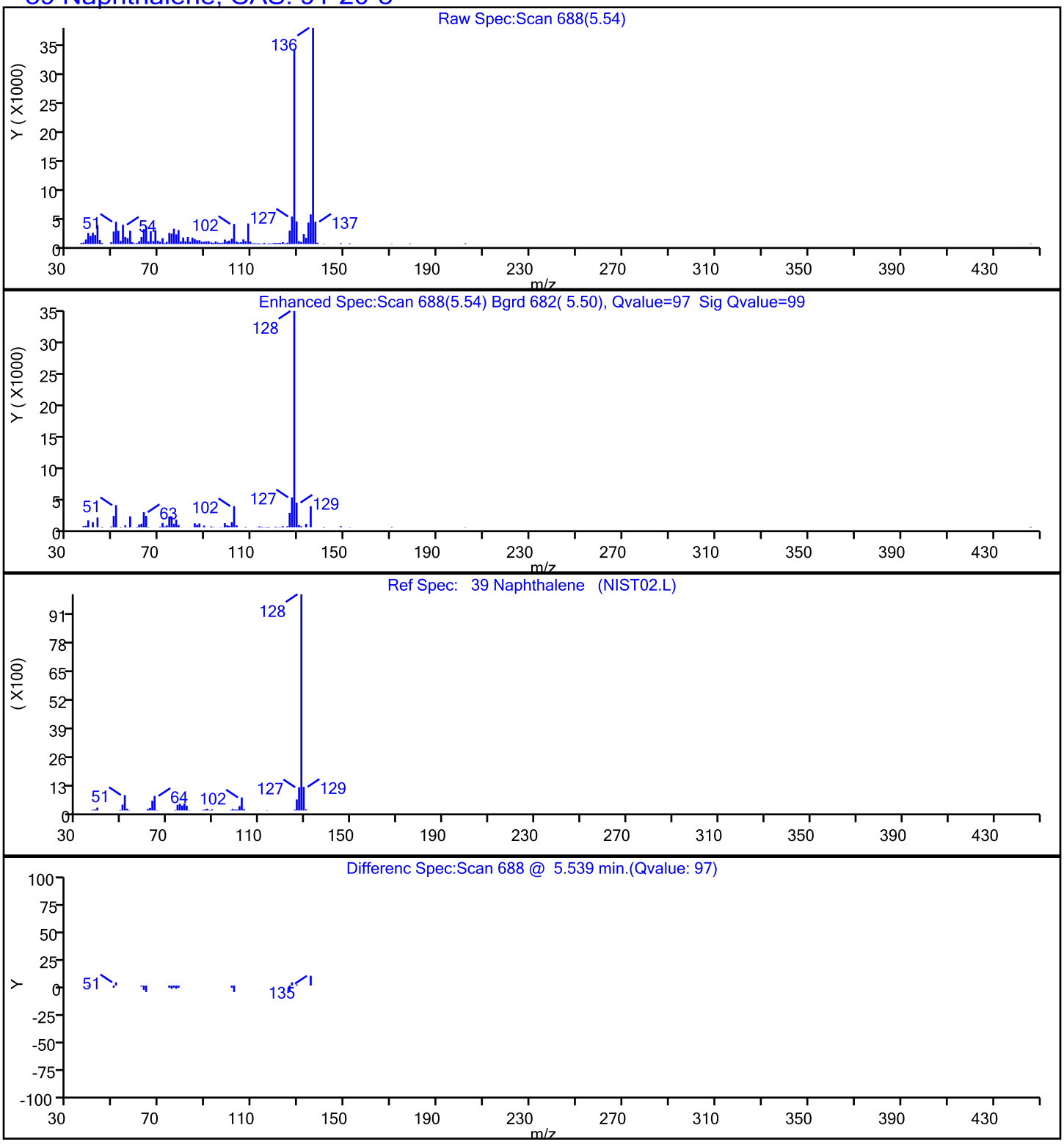
Report Date: 30-Jun-2022 12:09:59 Chrom Revision: 2.3 20-Jun-2022 20:10:40

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42517.d

Injection Date:	30-Jun-2022 03:29:30	Instrument ID:	CBNAMS5		
Lims ID:	460-260852-A-15-D	Lab Sample ID:	460-260852-15		
Client ID:	BHP-HA07-COMP-S001				
Operator ID:		ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

39 Naphthalene, CAS: 91-20-3



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42517.d				
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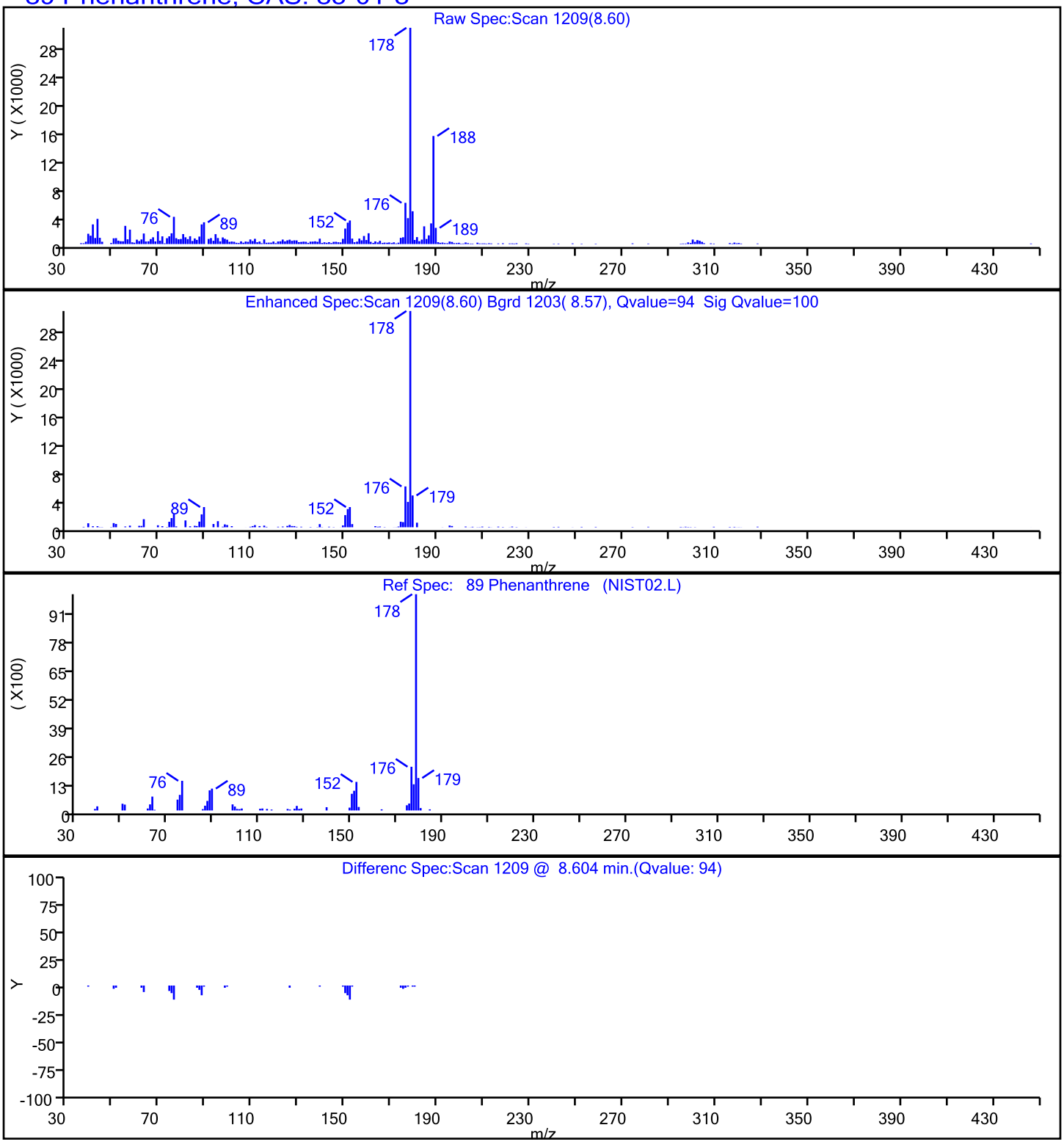
Lims ID:	460-260852-A-15-D	Lab Sample ID:	460-260852-15		
Client ID:	BHP-HA07-COMP-S001				
Operator ID:		ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

89 Phenanthrene, CAS: 85-01-8



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42517.d				
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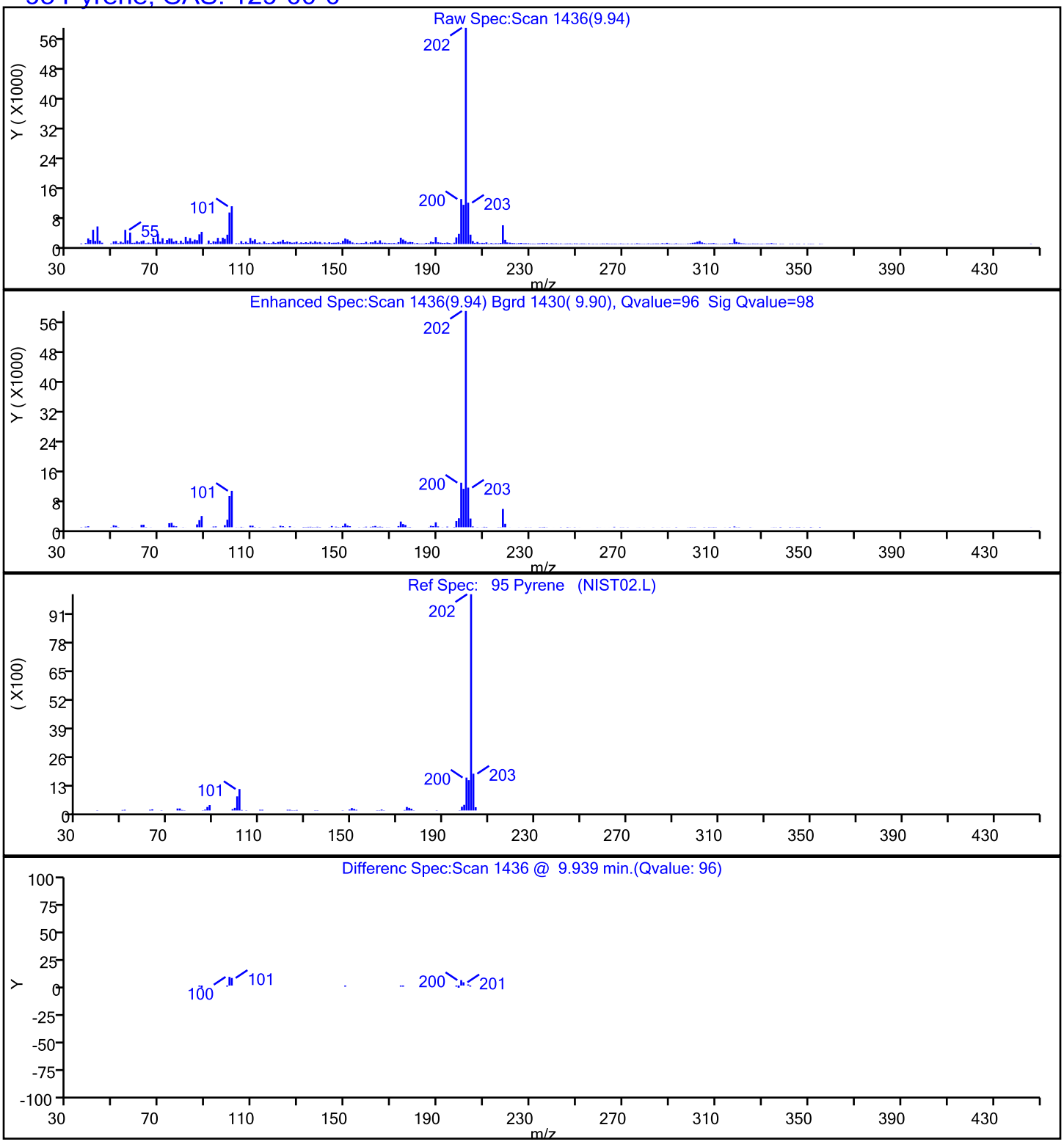
Lims ID:	460-260852-A-15-D	Lab Sample ID:	460-260852-15		
Client ID:	BHP-HA07-COMP-S001				
Operator ID:		ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

95 Pyrene, CAS: 129-00-0



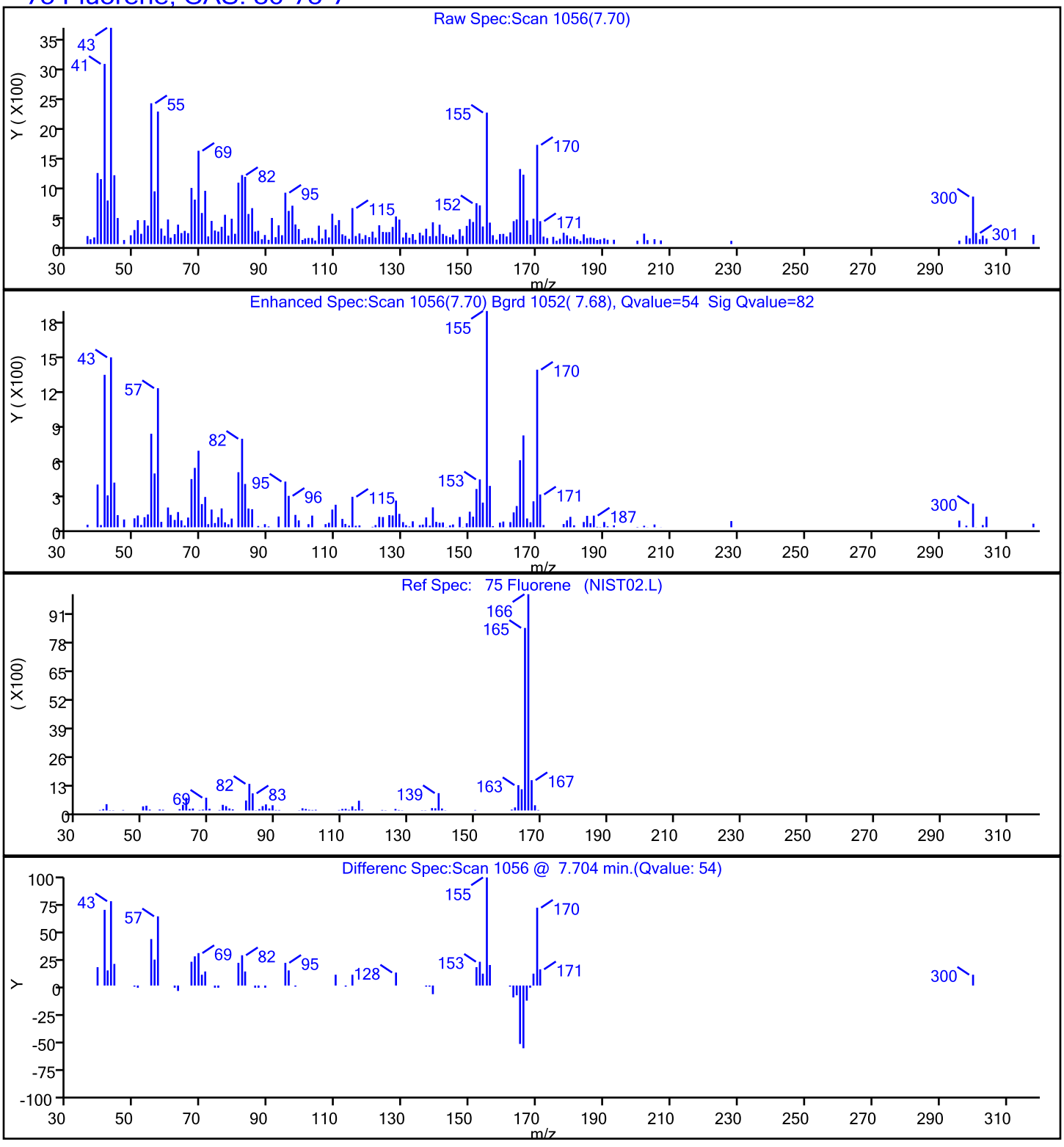
Report Date: 30-Jun-2022 12:09:59 Chrom Revision: 2.3 20-Jun-2022 20:10:40

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42517.d

Injection Date:	30-Jun-2022 03:29:30	Instrument ID:	CBNAMS5
Lims ID:	460-260852-A-15-D	Lab Sample ID:	460-260852-15
Client ID:	BHP-HA07-COMP-S001		
Operator ID:		ALS Bottle#:	15 Worklist Smp#: 15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL
Column:		Detector	MS SCAN

75 Fluorene, CAS: 86-73-7



Eurofins Edison

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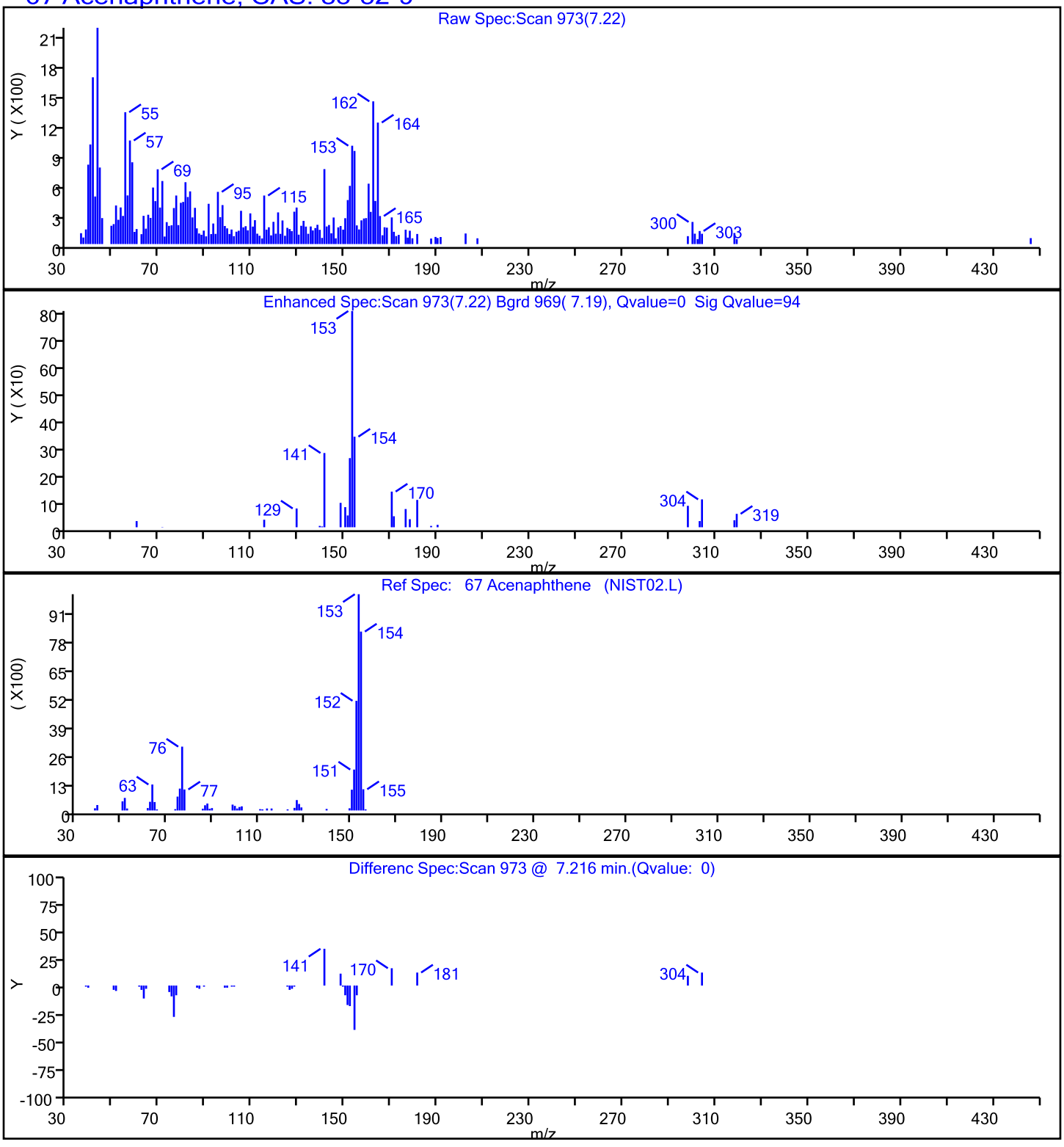
Lims ID:	460-260852-A-15-D	Lab Sample ID:	460-260852-15		
Client ID:	BHP-HA07-COMP-S001				
Operator ID:		ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

67 Acenaphthene, CAS: 83-32-9



Report Date: 30-Jun-2022 12:09:59 Chrom Revision: 2.3 20-Jun-2022 20:10:40

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42517.d				
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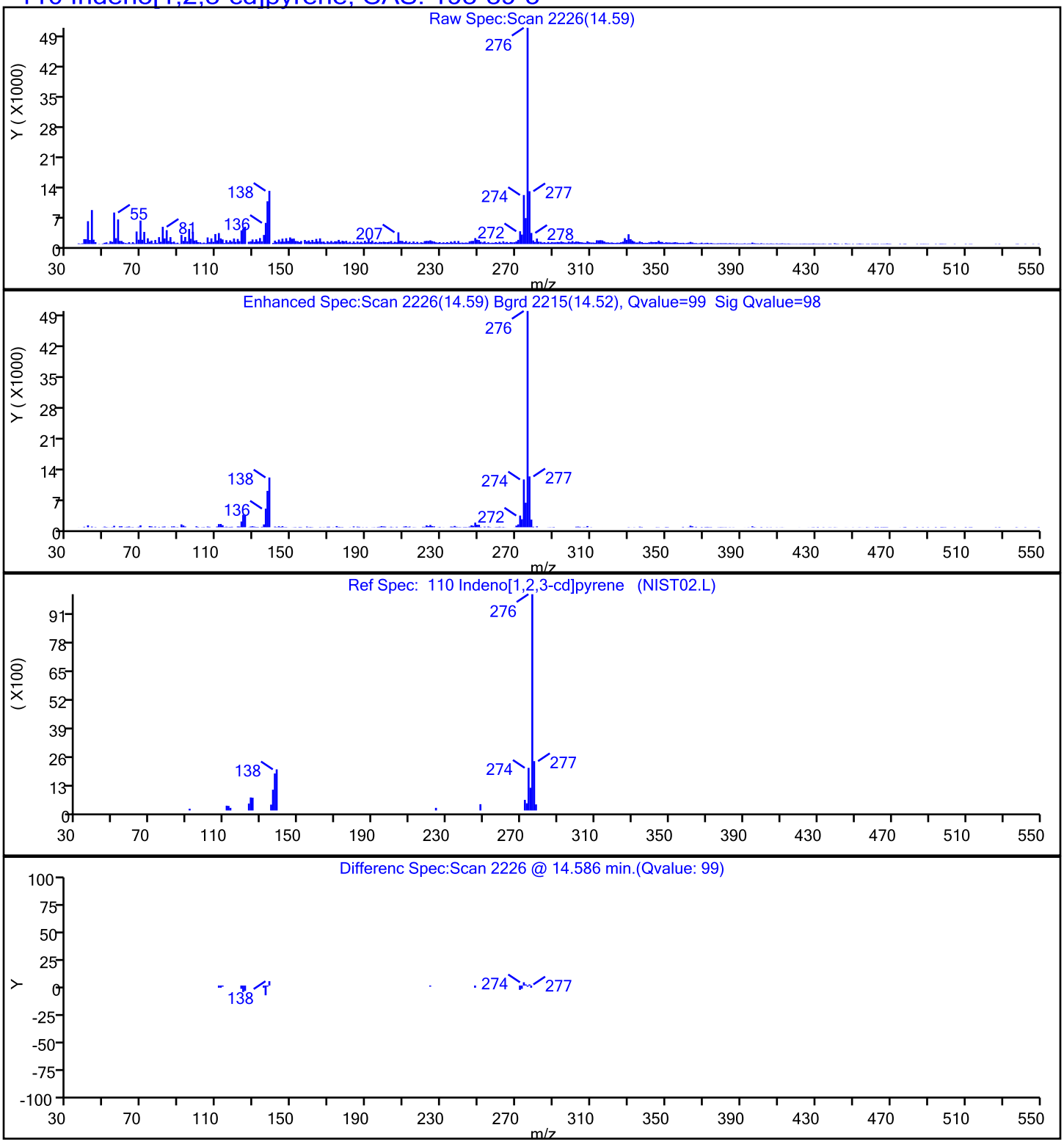
Lims ID:	460-260852-A-15-D	Lab Sample ID:	460-260852-15		
Client ID:	BHP-HA07-COMP-S001				
Operator ID:		ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

110 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5



Eurofins Edison

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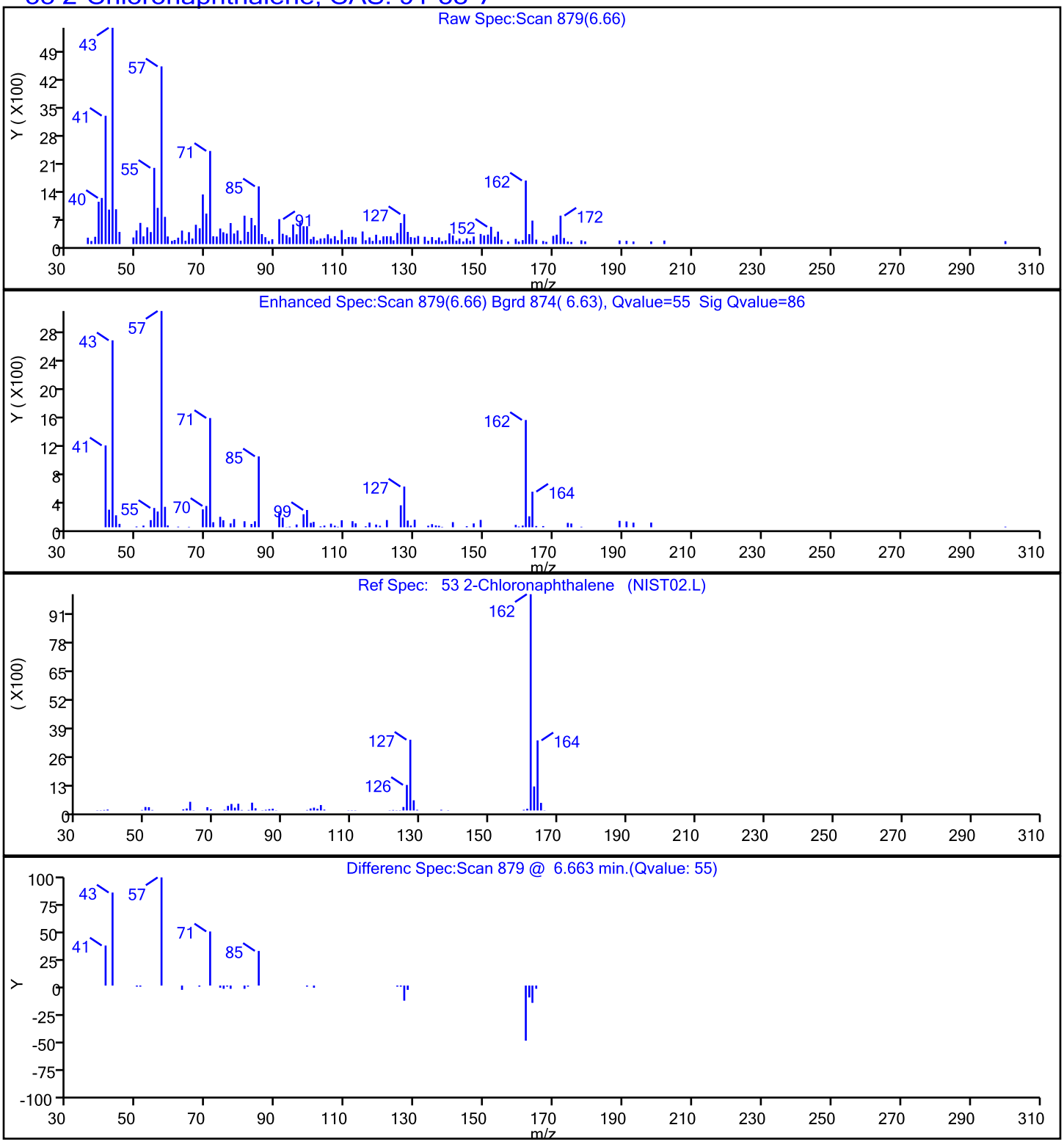
Lims ID:	460-260852-A-15-D	Lab Sample ID:	460-260852-15		
Client ID:	BHP-HA07-COMP-S001				
Operator ID:		ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

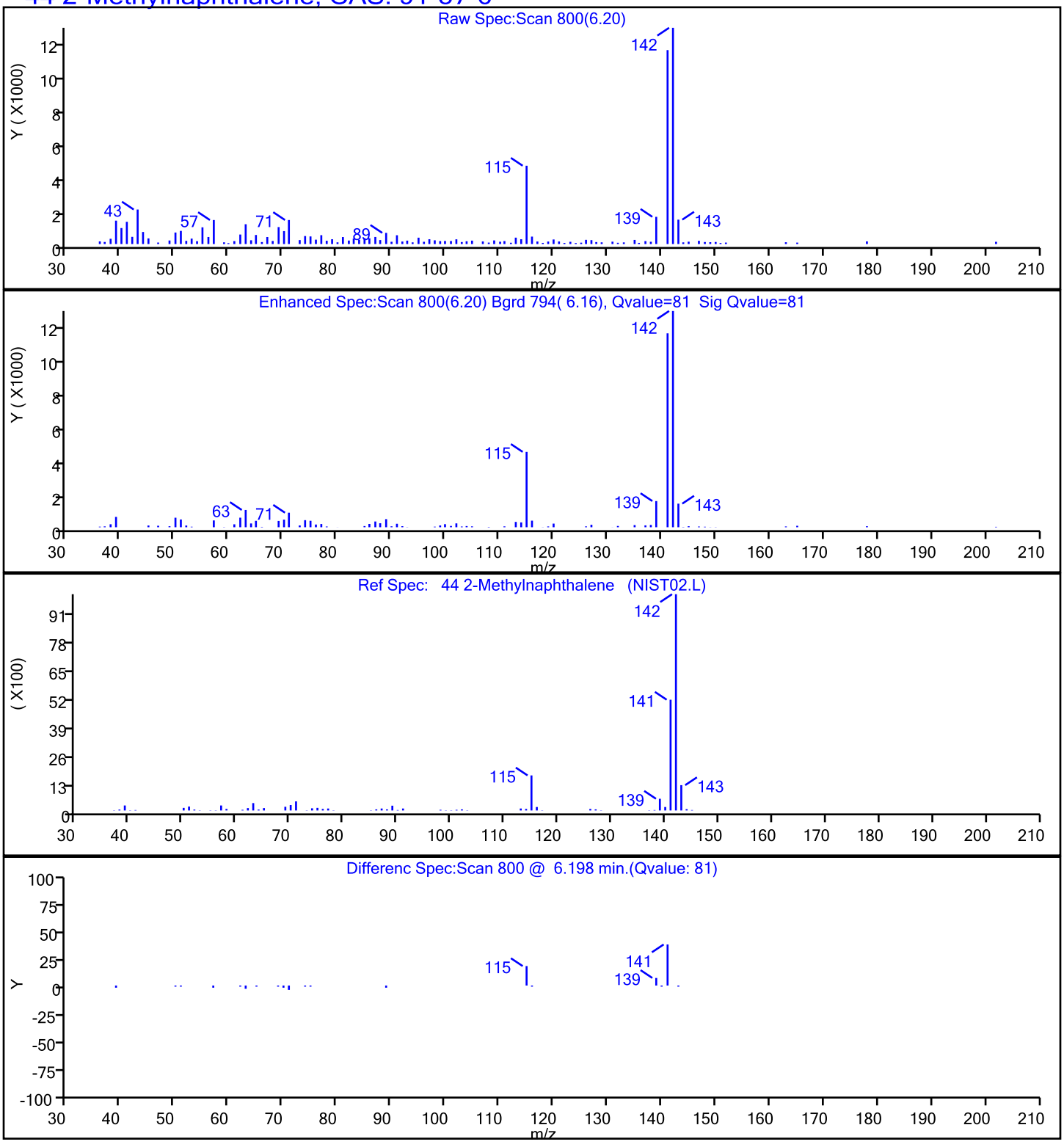
53 2-Chloronaphthalene, CAS: 91-58-7



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42517.d				
Injection Date:	30-Jun-2022 03:29:30	Instrument ID:	CBNAMS5		
Lims ID:	460-260852-A-15-D	Lab Sample ID:	460-260852-15		
Client ID:	BHP-HA07-COMP-S001				
Operator ID:		ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

44 2-Methylnaphthalene, CAS: 91-57-6



Manual Integration/User Assign Peak Report

Eurofins Edison

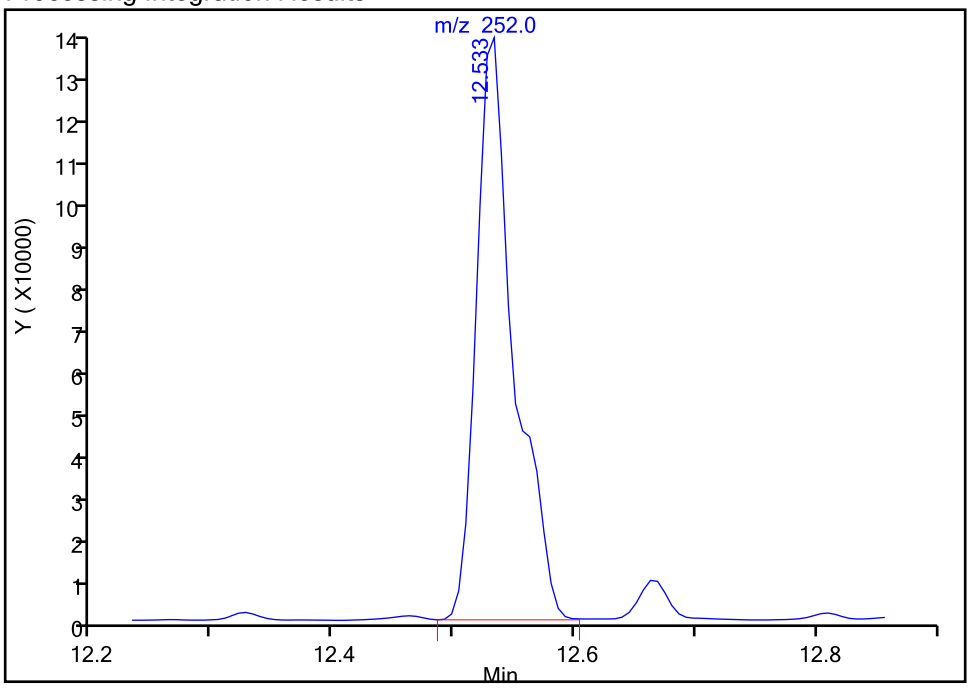
Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42517.d				
Injection Date:	30-Jun-2022 03:29:30	Instrument ID:	CBNAMS5		
Lims ID:	460-260852-A-15-D	Lab Sample ID:	460-260852-15		
Client ID:	BHP-HA07-COMP-S001				
Operator ID:		ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

106 Benzo[b]fluoranthene, CAS: 205-99-2

Signal: 1

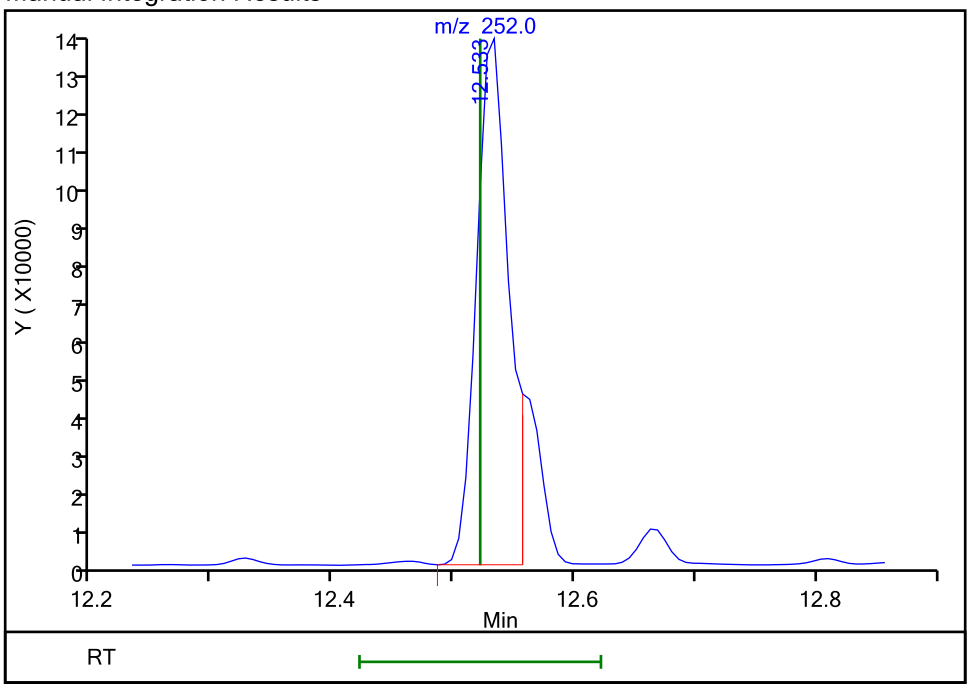
Processing Integration Results

RT: 12.53
Area: 295912
Amount: 21.089197
Amount Units: ug/ml



Manual Integration Results

RT: 12.53
Area: 256887
Amount: 18.307945
Amount Units: ug/ml



Reviewer: maheseep, 30-Jun-2022 16:33:03

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Edison

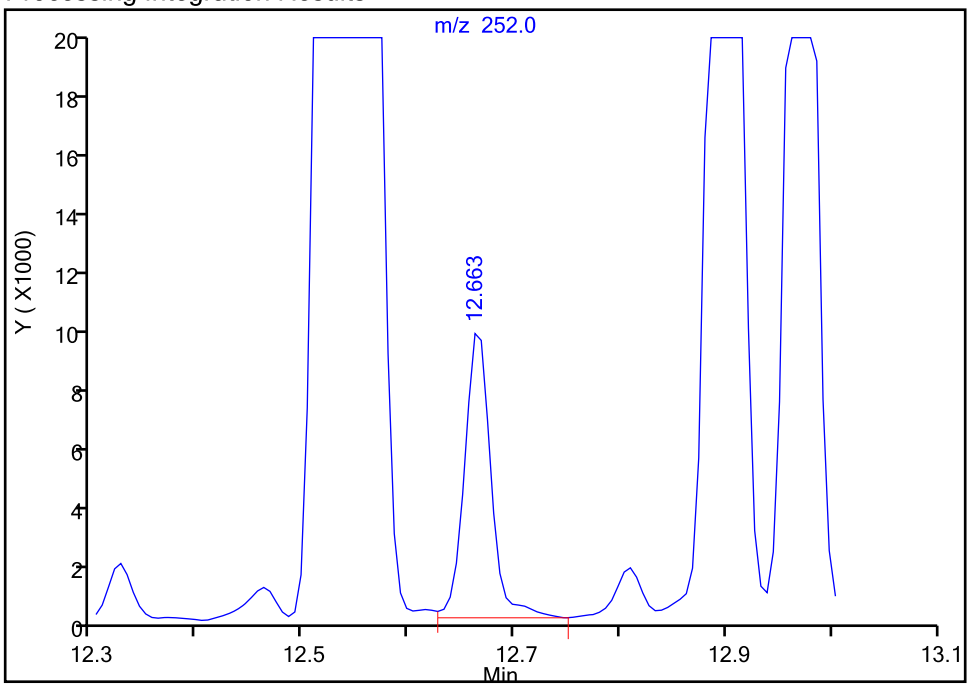
Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42517.d				
Injection Date:	30-Jun-2022 03:29:30	Instrument ID:	CBNAMS5		
Lims ID:	460-260852-A-15-D	Lab Sample ID:	460-260852-15		
Client ID:	BHP-HA07-COMP-S001				
Operator ID:		ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

107 Benzo[k]fluoranthene, CAS: 207-08-9

Signal: 1

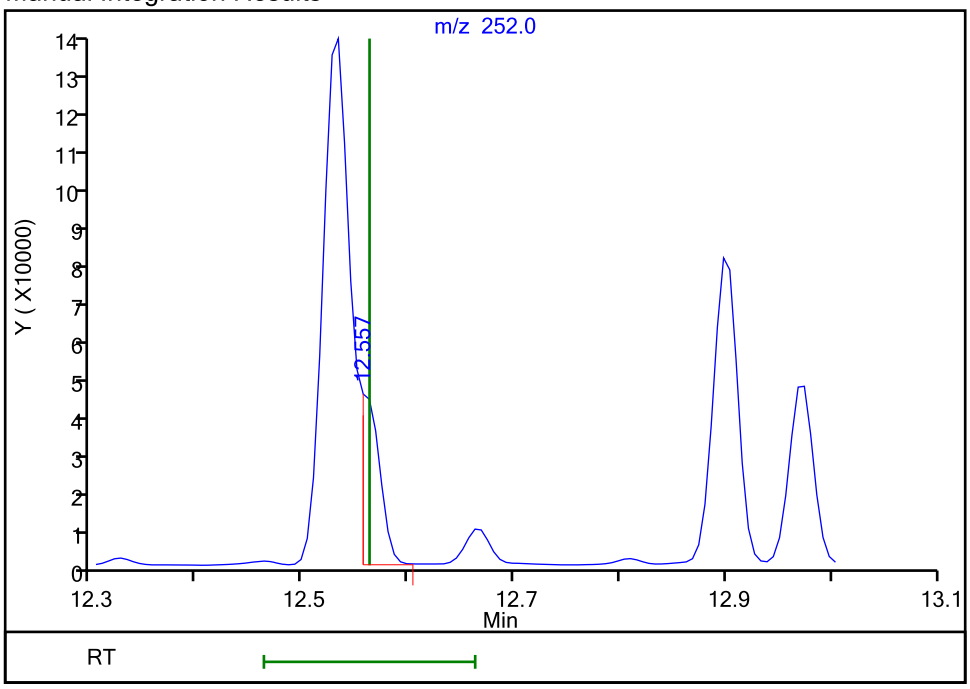
Processing Integration Results

RT: 12.66
Area: 16344
Amount: 1.156140
Amount Units: ug/ml



Manual Integration Results

RT: 12.56
Area: 54643
Amount: 3.865332
Amount Units: ug/ml



Reviewer: maheseep, 30-Jun-2022 16:33:12

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-260852-1

SDG No.:

Client Sample ID: BHP-HA07-COMP-S002 | Lab Sample ID: 460-260852-16

Matrix: Solid | Lab File ID: X42518.d

Analysis Method: 8270C | Date Collected: 06/23/2022 14:30

Extract. Method: 3546 | Date Extracted: 06/29/2022 17:17

Sample wt/vol: 15.00(g) | Date Analyzed: 06/30/2022 03:53

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: 24.7 % Solids: 75.3 | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 852810 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
208-96-8	Acenaphthylene	26	J	440	13
120-12-7	Anthracene	19	J	440	13
56-55-3	Benzo[a]anthracene	220		44	15
205-99-2	Benzo[b]fluoranthene	360		44	11
50-32-8	Benzo[a]pyrene	210		44	12
191-24-2	Benzo[g,h,i]perylene	160	J	440	13
207-08-9	Benzo[k]fluoranthene	130		44	8.6
218-01-9	Chrysene	280	J	440	7.4
53-70-3	Dibenz(a,h)anthracene	45		44	19
206-44-0	Fluoranthene	370	J	440	15
91-20-3	Naphthalene	14	J	440	7.6
85-01-8	Phenanthrene	63	J	440	7.7
129-00-0	Pyrene	330	J	440	11
86-73-7	Fluorene	13	U	440	13
83-32-9	Acenaphthene	13	U	440	13
193-39-5	Indeno[1,2,3-cd]pyrene	170		44	17
91-58-7	2-Chloronaphthalene	20	U	440	20
91-57-6	2-Methylnaphthalene	14	J	440	12

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	85		22-122
4165-60-0	Nitrobenzene-d5 (Surr)	85		16-125
1718-51-0	Terphenyl-d14 (Surr)	85		25-126

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42518.d
Lims ID: 460-260852-A-16-D
Client ID: BHP-HA07-COMP-S002
Sample Type: Client
Inject. Date: 30-Jun-2022 03:53:30 ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0147251-016
Operator ID: Instrument ID: CBNAMS5

Method: \\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\8270_5R.m
Limit Group: SV 8270 DEL ICAL
Last Update: 30-Jun-2022 11:56:45 Calib Date: 03-Jun-2022 09:29:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS5\20220602-146048.b\X41882.d

Column 1 : Det: MS SCAN
Process Host: CTX1633

First Level Reviewer: maheseep Date: 30-Jun-2022 16:34:07

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 14 1,4-Dichlorobenzene-d4	152	4.310	4.304	0.006	98	147805	40.0	
$ 26 Nitrobenzene-d5	82	4.834	4.840	-0.006	92	254046	42.3	
* 38 Naphthalene-d8	136	5.522	5.522	0.000	100	566774	40.0	
39 Naphthalene	128	5.540	5.540	0.000	40	2356	0.1612	
44 2-Methylnaphthalene	142	6.198	6.198	0.000	65	1489	0.1535	
$ 51 2-Fluorobiphenyl	172	6.551	6.557	0.000	97	460267	42.3	
61 Acenaphthylene	152	7.051	7.057	0.000	93	4027	0.2964	
* 65 Acenaphthene-d10	164	7.187	7.181	0.006	98	281293	40.0	
75 Fluorene	166	7.698	7.705	0.000	10	681	0.0759	
* 88 Phenanthrene-d10	188	8.586	8.581	0.005	99	505476	40.0	
89 Phenanthrene	178	8.604	8.610	0.000	74	9502	0.7130	
90 Anthracene	178	8.657	8.657	0.006	89	2903	0.2118	
93 Fluoranthene	202	9.728	9.734	0.000	97	59823	4.13	
95 Pyrene	202	9.939	9.950	0.000	96	55895	3.76	
$ 96 Terphenyl-d14	244	10.104	10.109	0.006	98	563713	42.6	
101 Benzo[a]anthracene	228	11.180	11.186	0.005	54	35709	2.48	
* 102 Chrysene-d12	240	11.192	11.186	0.006	99	463068	40.0	
103 Chrysene	228	11.216	11.227	0.000	88	42331	3.18	
106 Benzo[b]fluoranthene	252	12.527	12.539	0.005	97	62734	4.07	
107 Benzo[k]fluoranthene	252	12.563	12.568	0.000	1	23505	1.51	M
108 Benzo[a]pyrene	252	12.969	12.986	0.000	96	35467	2.40	
* 109 Perylene-d12	264	13.057	13.045	0.012	98	549034	40.0	
110 Indeno[1,2,3-cd]pyrene	276	14.580	14.600	0.000	96	29673	1.96	
111 Dibenz(a,h)anthracene	278	14.621	14.633	0.000	30	8149	0.5088	
112 Benzo[g,h,i]perylene	276	14.998	15.018	0.000	92	28961	1.75	

QC Flag Legend

Processing Flags

Review Flags
M - Manually Integrated

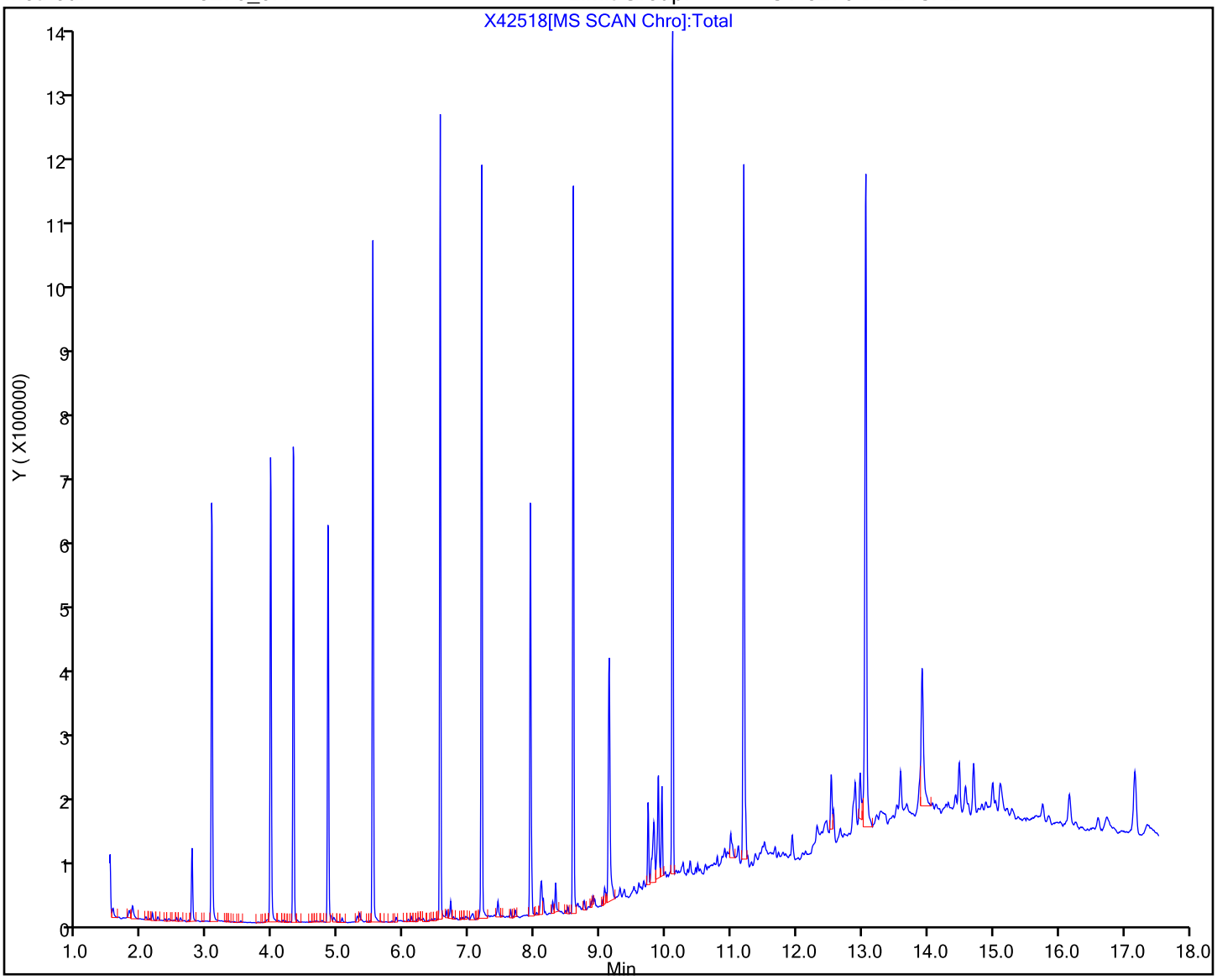
Reagents:

SM_ISTD_00196 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 30-Jun-2022 12:10:01 Chrom Revision: 2.3 20-Jun-2022 20:10:40

Eurofins Edison

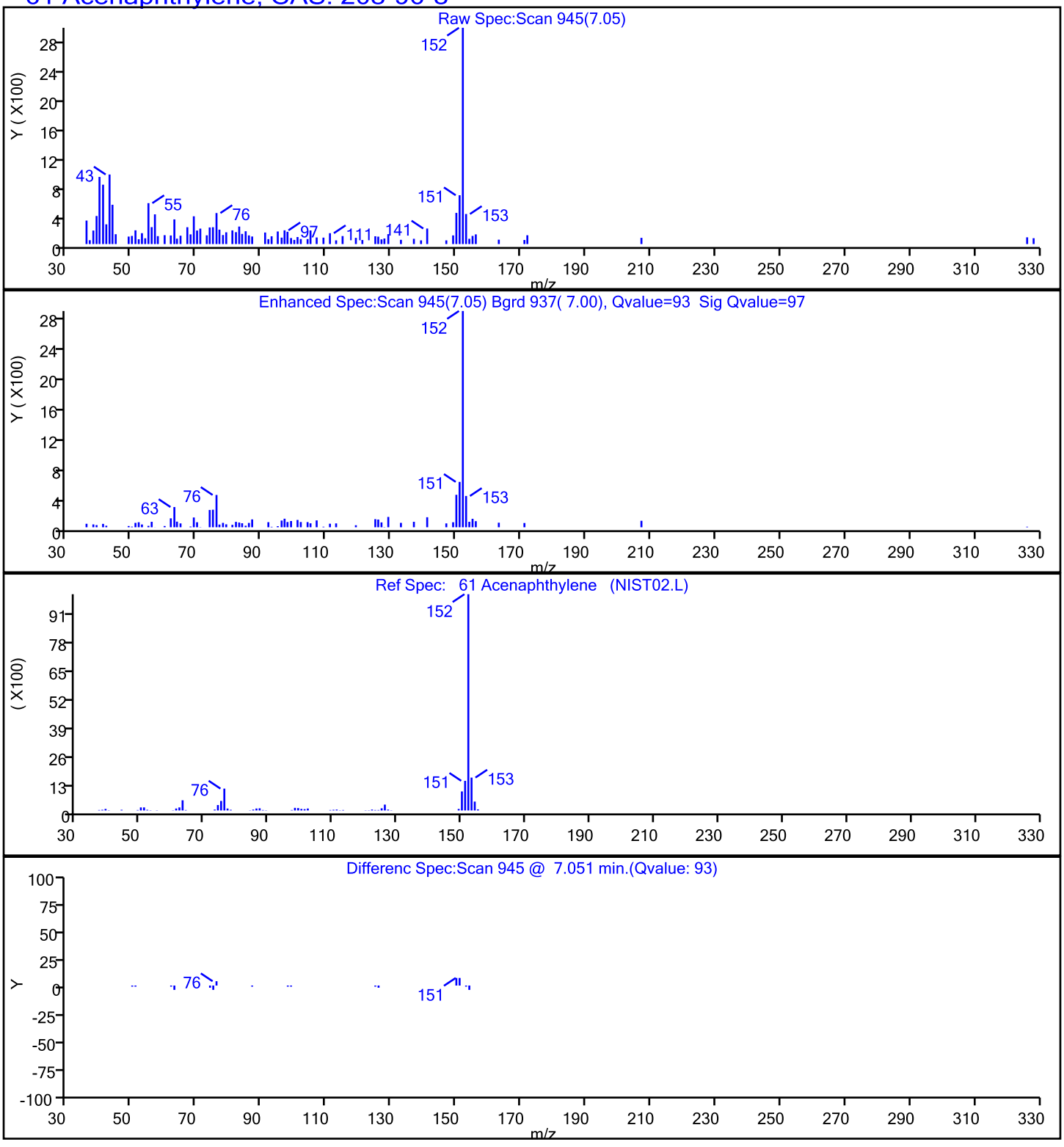
Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42518.d				
Injection Date:	30-Jun-2022 03:53:30	Instrument ID:	CBNAMS5		
Lims ID:	460-260852-A-16-D	Lab Sample ID:	460-260852-16		
Client ID:	BHP-HA07-COMP-S002				
Operator ID:		ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		



Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42518.d
Injection Date: 30-Jun-2022 03:53:30 Instrument ID: CBNAMS5
Lims ID: 460-260852-A-16-D Lab Sample ID: 460-260852-16
Client ID: BHP-HA07-COMP-S002
Operator ID: ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_5R Limit Group: SV 8270 DEL ICAL
Column: Detector MS SCAN

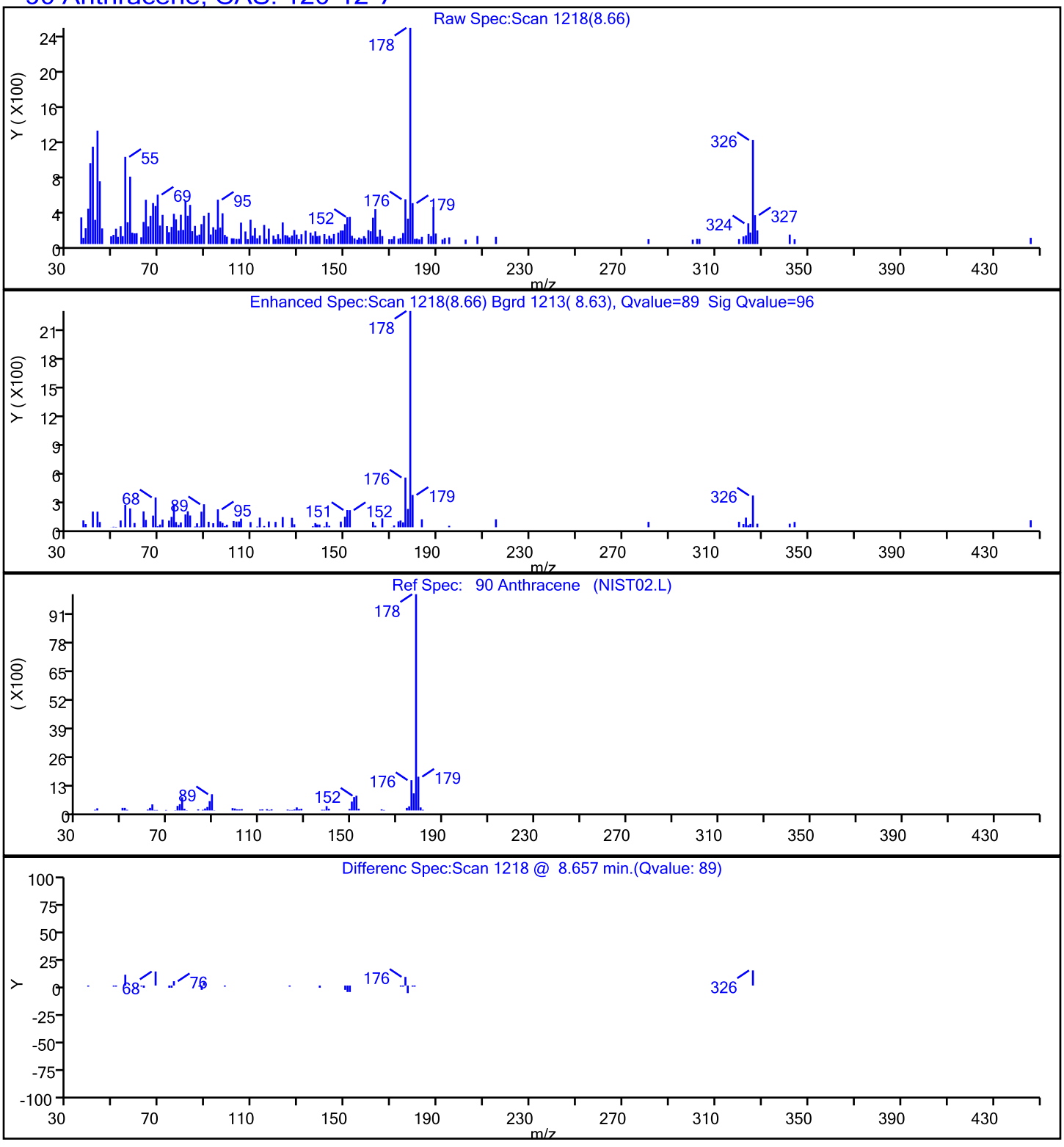
61 Acenaphthylene, CAS: 208-96-8



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42518.d				
Injection Date:	30-Jun-2022 03:53:30	Instrument ID:	CBNAMS5		
Lims ID:	460-260852-A-16-D	Lab Sample ID:	460-260852-16		
Client ID:	BHP-HA07-COMP-S002				
Operator ID:		ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

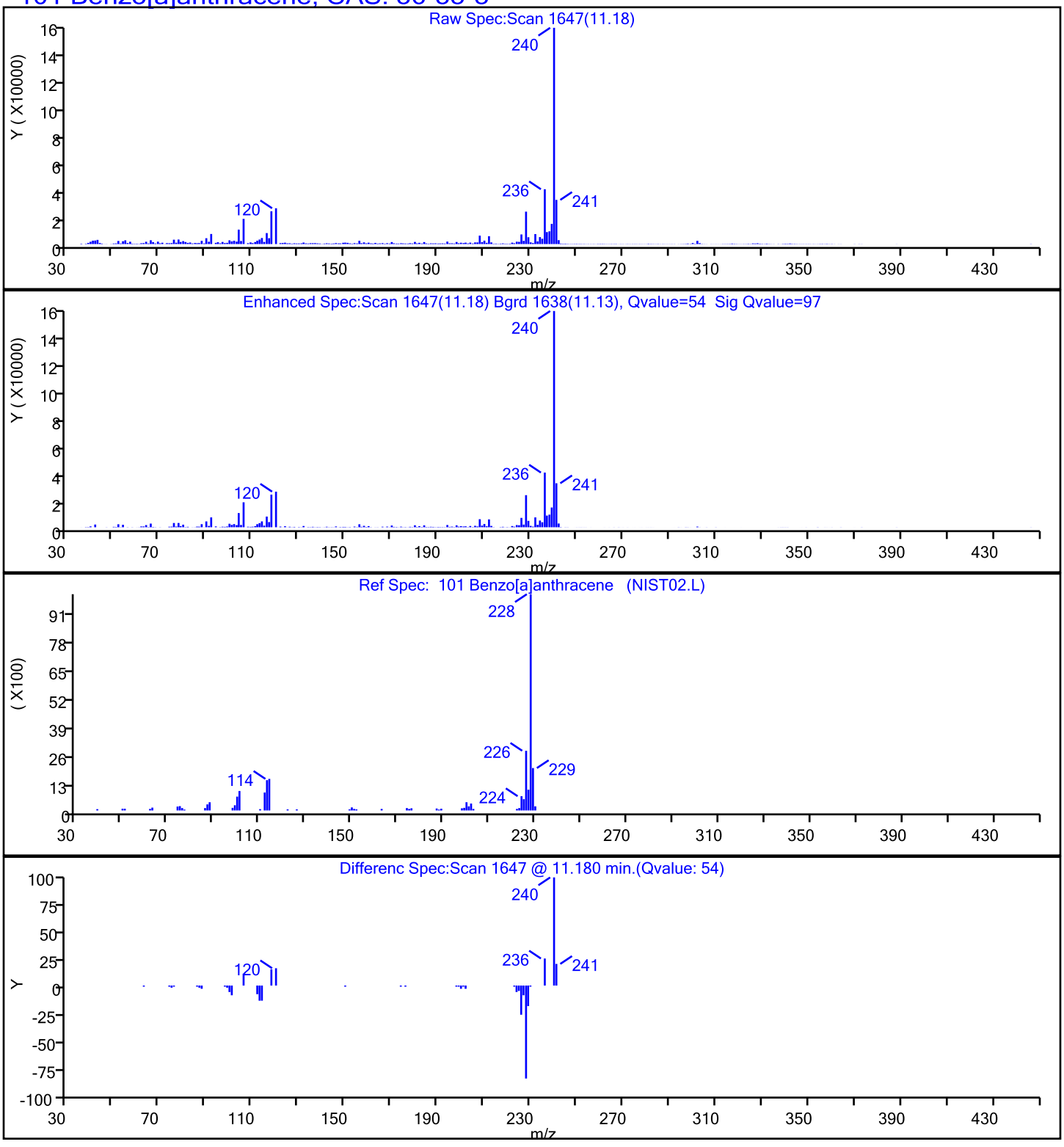
90 Anthracene, CAS: 120-12-7



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42518.d				
Injection Date:	30-Jun-2022 03:53:30	Instrument ID:	CBNAMS5		
Lims ID:	460-260852-A-16-D	Lab Sample ID:	460-260852-16		
Client ID:	BHP-HA07-COMP-S002				
Operator ID:		ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

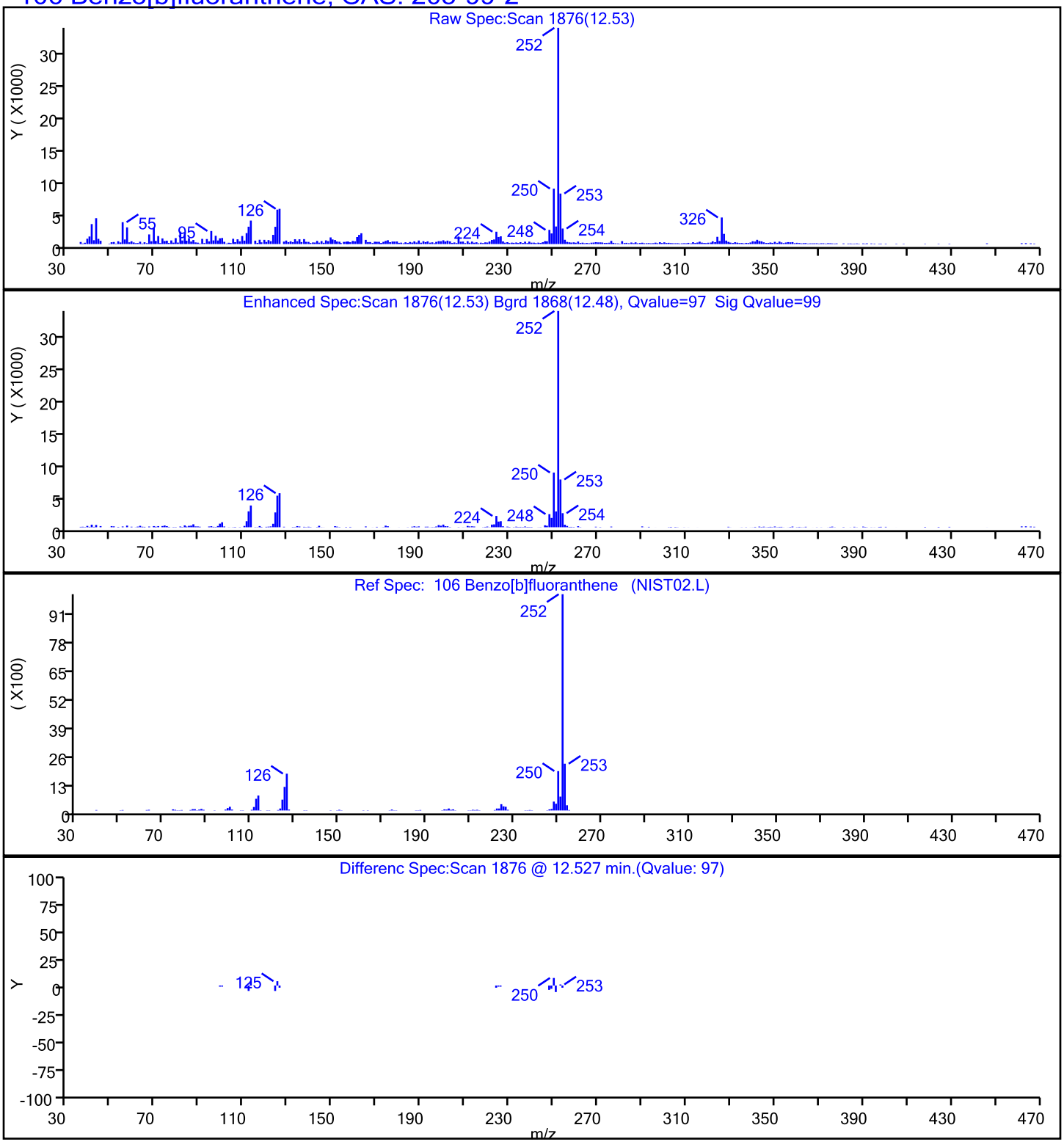
101 Benzo[a]anthracene, CAS: 56-55-3



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42518.d				
Injection Date:	30-Jun-2022 03:53:30	Instrument ID:	CBNAMS5		
Lims ID:	460-260852-A-16-D	Lab Sample ID:	460-260852-16		
Client ID:	BHP-HA07-COMP-S002				
Operator ID:		ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

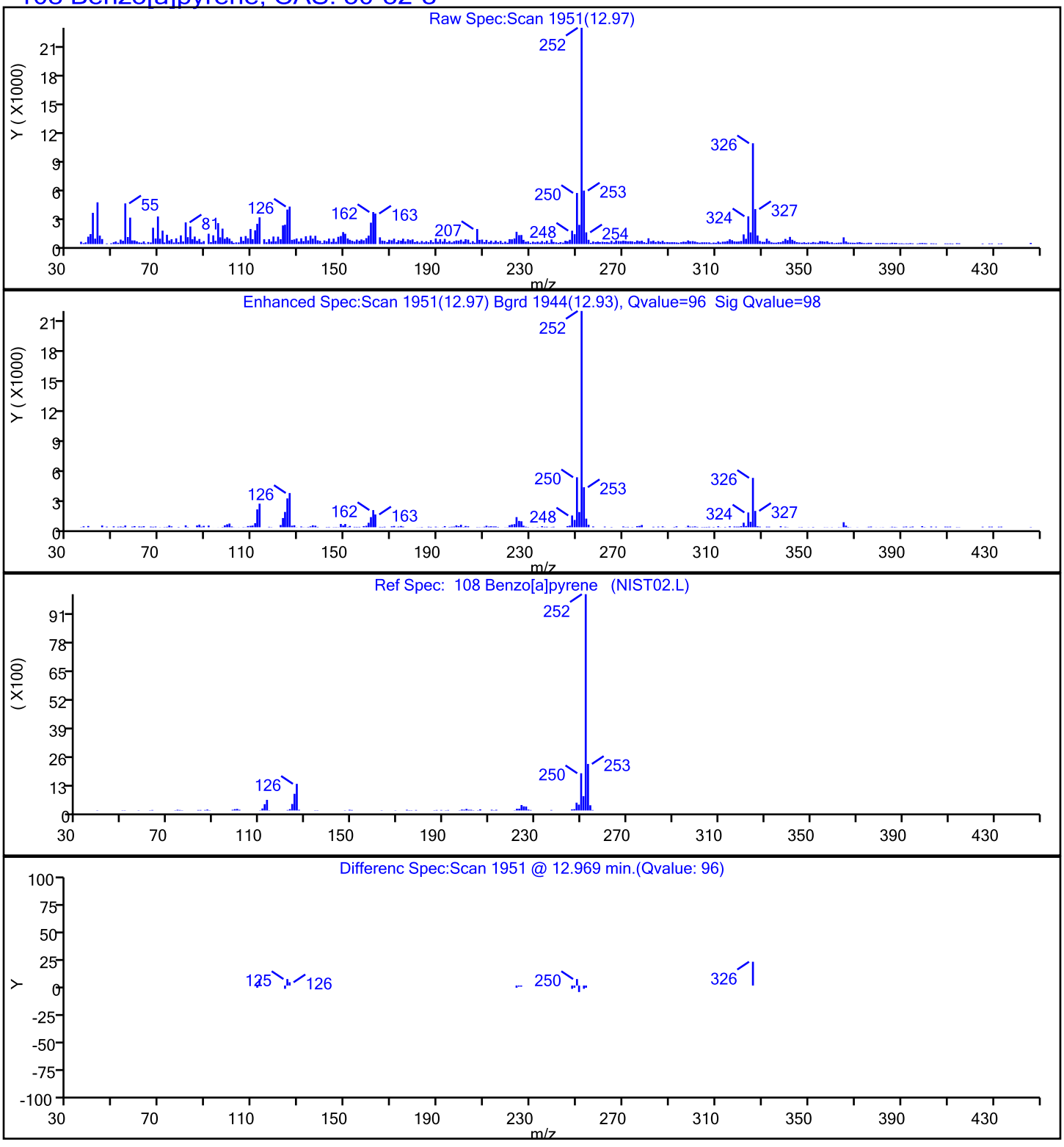
106 Benzo[b]fluoranthene, CAS: 205-99-2



Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42518.d
Injection Date: 30-Jun-2022 03:53:30 Instrument ID: CBNAMS5
Lims ID: 460-260852-A-16-D Lab Sample ID: 460-260852-16
Client ID: BHP-HA07-COMP-S002
Operator ID: ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_5R Limit Group: SV 8270 DEL ICAL
Column: Detector MS SCAN

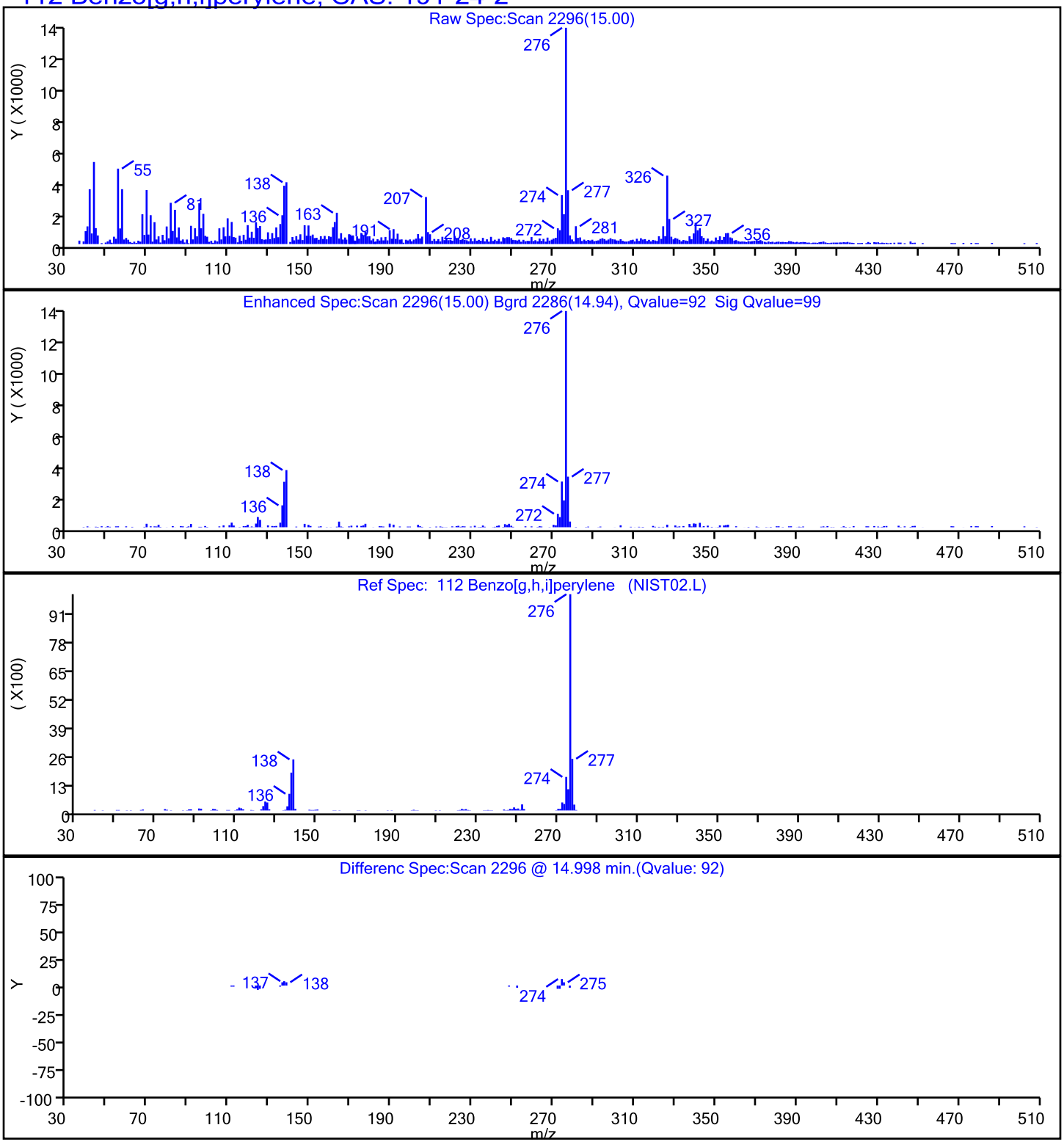
108 Benzo[a]pyrene, CAS: 50-32-8



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42518.d				
Injection Date:	30-Jun-2022 03:53:30	Instrument ID:	CBNAMS5		
Lims ID:	460-260852-A-16-D	Lab Sample ID:	460-260852-16		
Client ID:	BHP-HA07-COMP-S002				
Operator ID:		ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

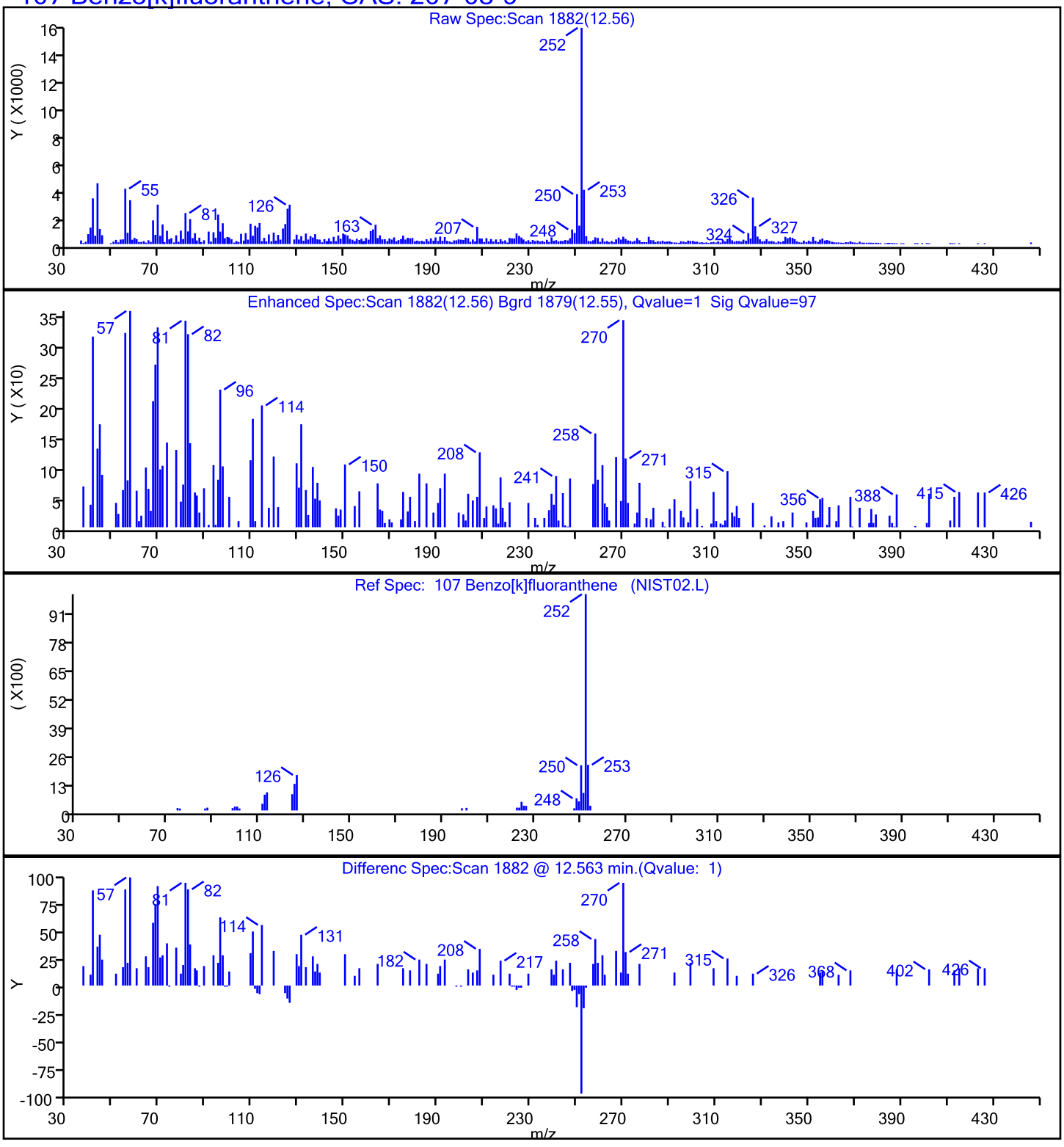
112 Benzo[g,h,i]perylene, CAS: 191-24-2



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42518.d				
Injection Date:	30-Jun-2022 03:53:30	Instrument ID:	CBNAMS5		
Lims ID:	460-260852-A-16-D	Lab Sample ID:	460-260852-16		
Client ID:	BHP-HA07-COMP-S002				
Operator ID:		ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

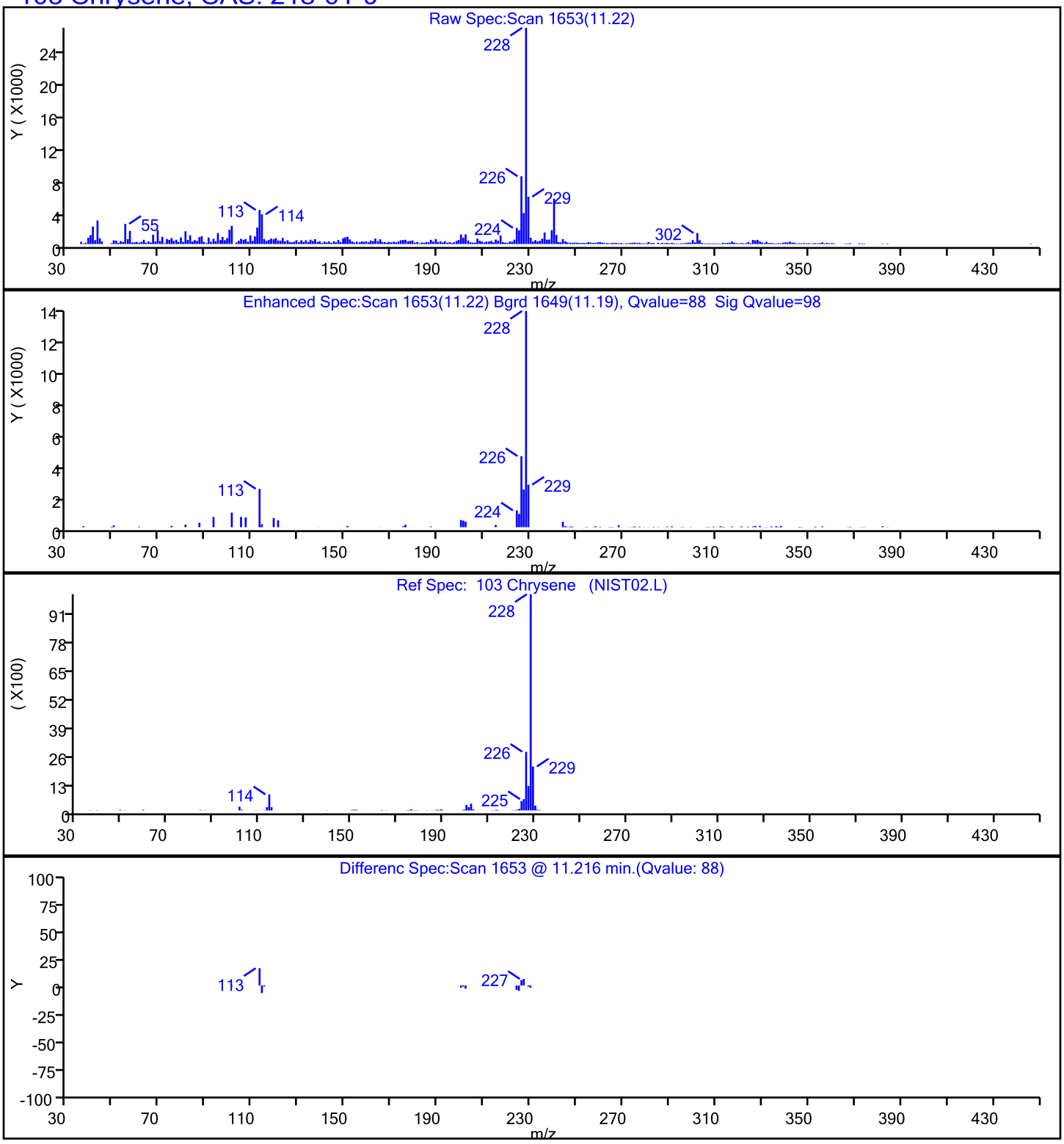
107 Benzo[k]fluoranthene, CAS: 207-08-9



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42518.d				
Injection Date:	30-Jun-2022 03:53:30	Instrument ID:	CBNAMS5		
Lims ID:	460-260852-A-16-D	Lab Sample ID:	460-260852-16		
Client ID:	BHP-HA07-COMP-S002				
Operator ID:		ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

103 Chrysene, CAS: 218-01-9



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42518.d				
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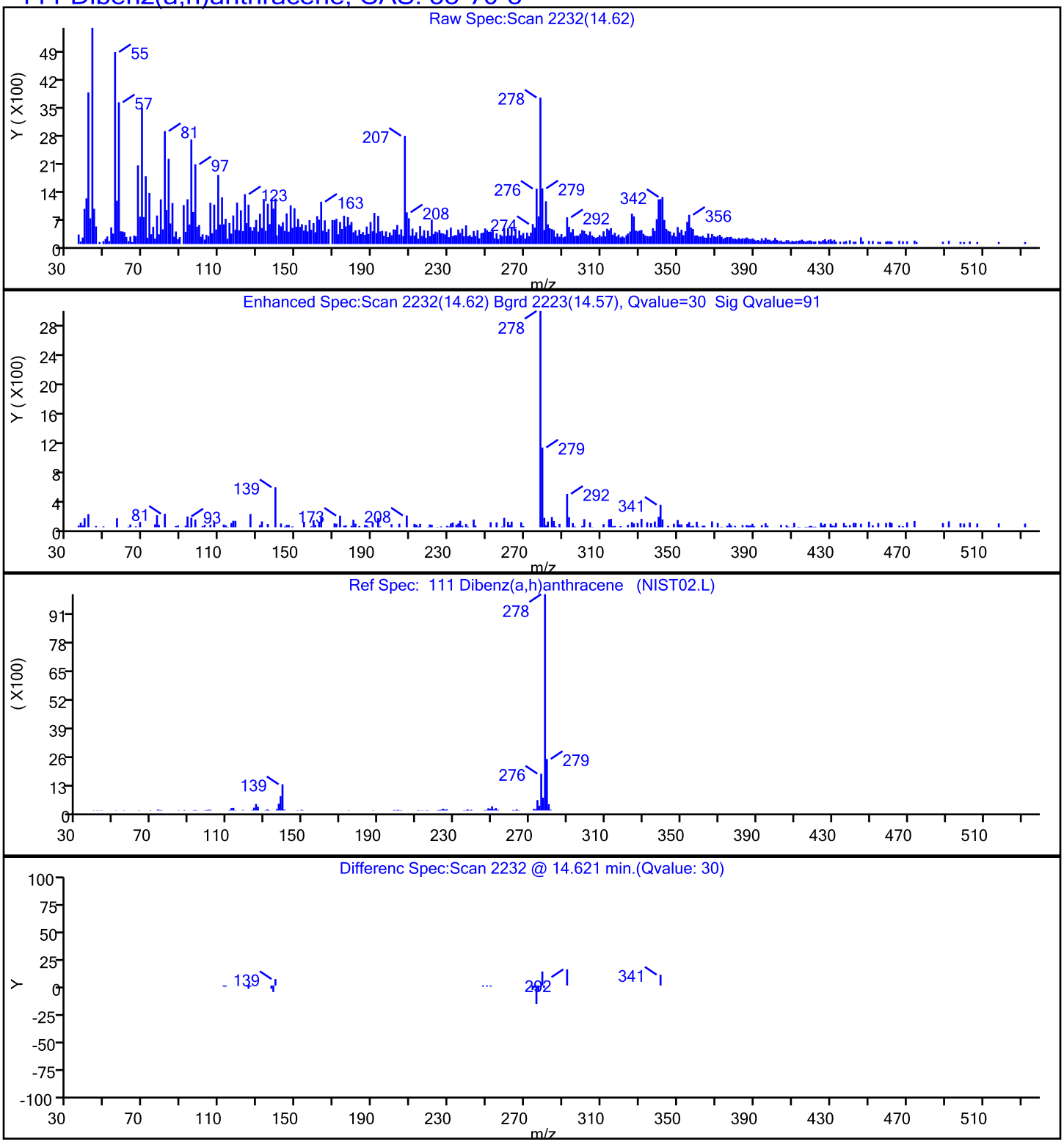
Lims ID:	460-260852-A-16-D	Lab Sample ID:	460-260852-16		
Client ID:	BHP-HA07-COMP-S002				
Operator ID:		ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

111 Dibenz(a,h)anthracene, CAS: 53-70-3



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42518.d				
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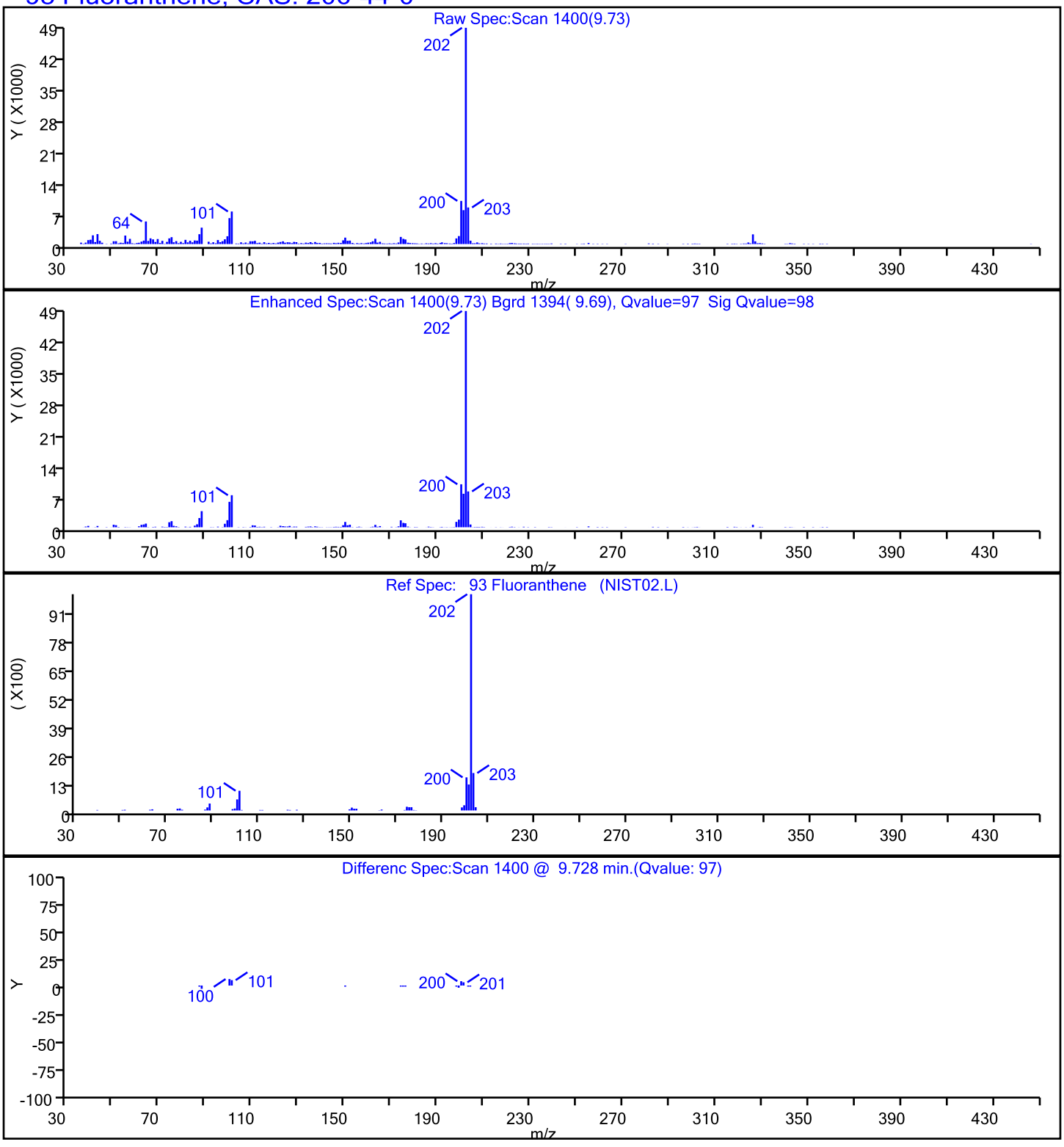
Lims ID:	460-260852-A-16-D	Lab Sample ID:	460-260852-16		
Client ID:	BHP-HA07-COMP-S002				
Operator ID:		ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

93 Fluoranthene, CAS: 206-44-0



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42518.d				
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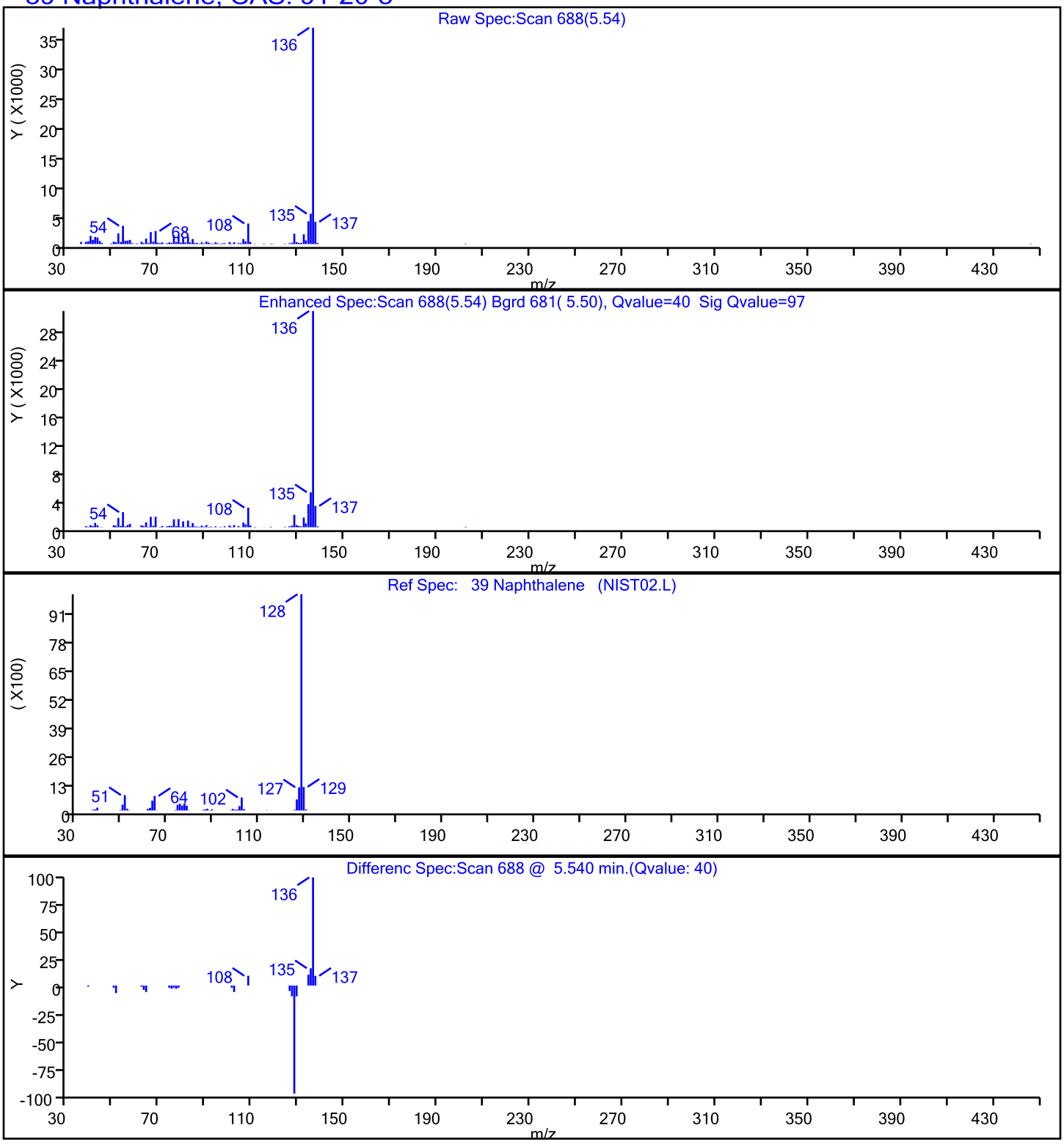
Lims ID:	460-260852-A-16-D	Lab Sample ID:	460-260852-16		
Client ID:	BHP-HA07-COMP-S002				
Operator ID:		ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

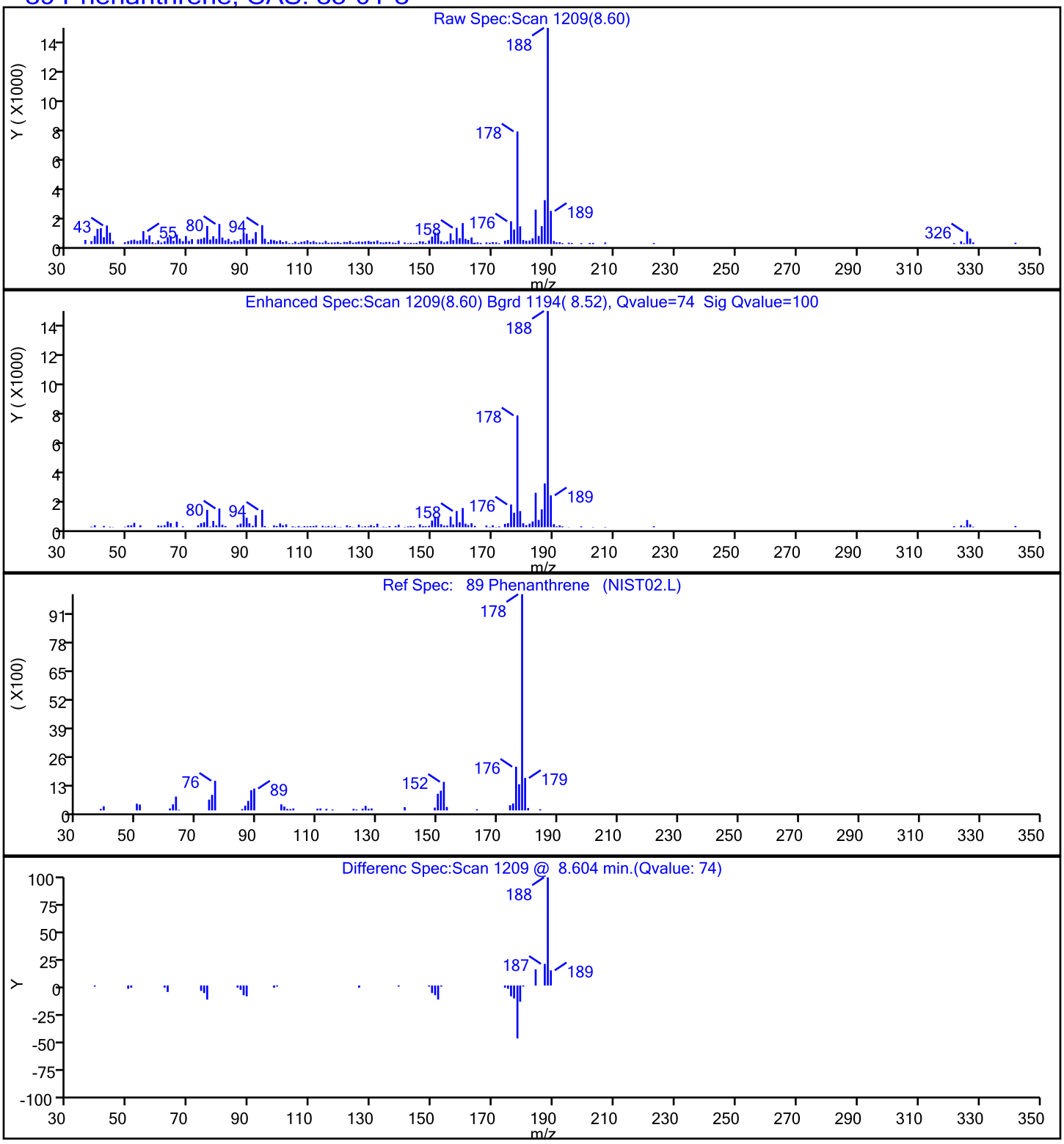
39 Naphthalene, CAS: 91-20-3



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42518.d				
Injection Date:	30-Jun-2022 03:53:30	Instrument ID:	CBNAMS5		
Lims ID:	460-260852-A-16-D	Lab Sample ID:	460-260852-16		
Client ID:	BHP-HA07-COMP-S002				
Operator ID:		ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

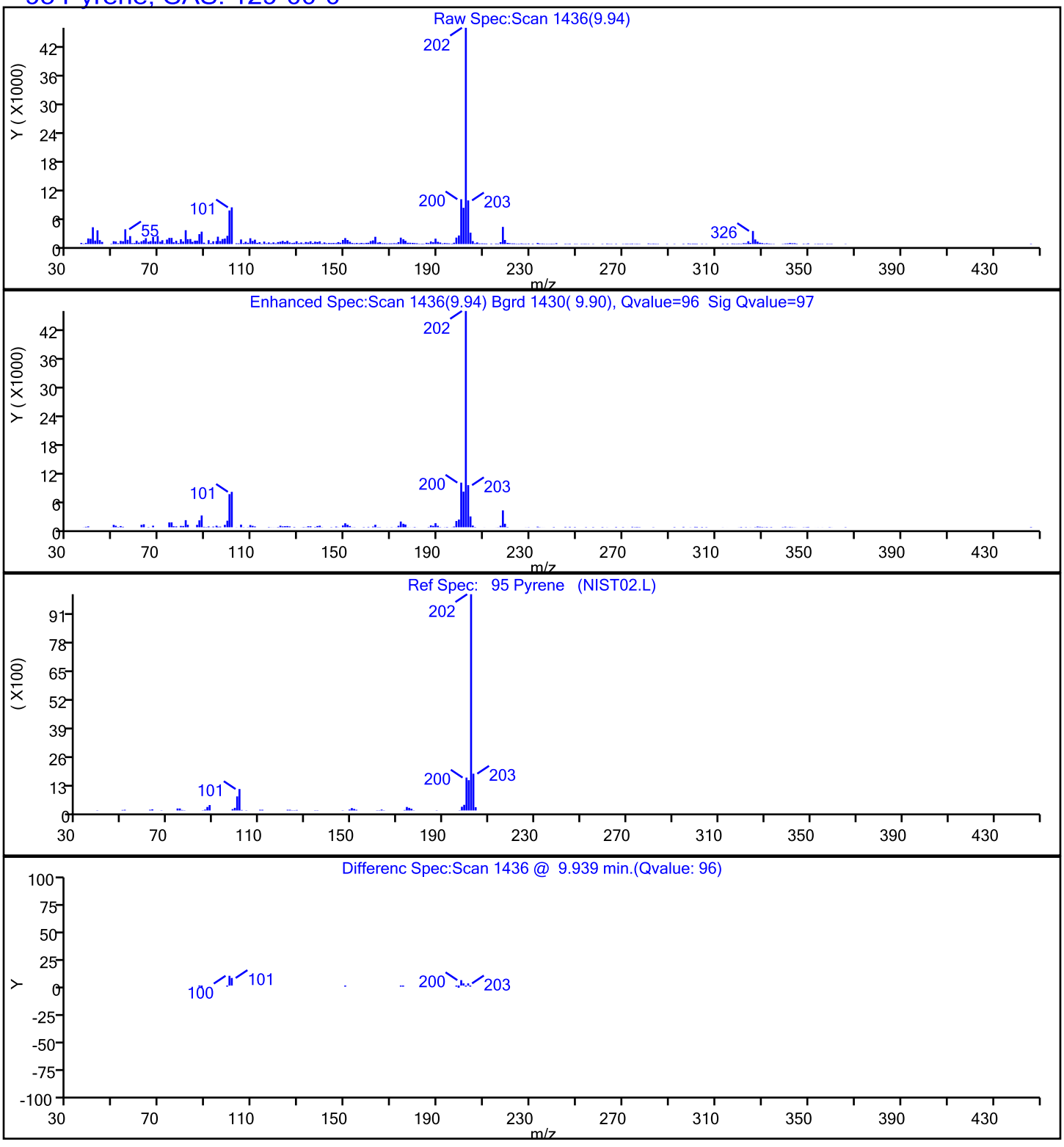
89 Phenanthrene, CAS: 85-01-8



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42518.d				
Injection Date:	30-Jun-2022 03:53:30	Instrument ID:	CBNAMS5		
Lims ID:	460-260852-A-16-D	Lab Sample ID:	460-260852-16		
Client ID:	BHP-HA07-COMP-S002				
Operator ID:		ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

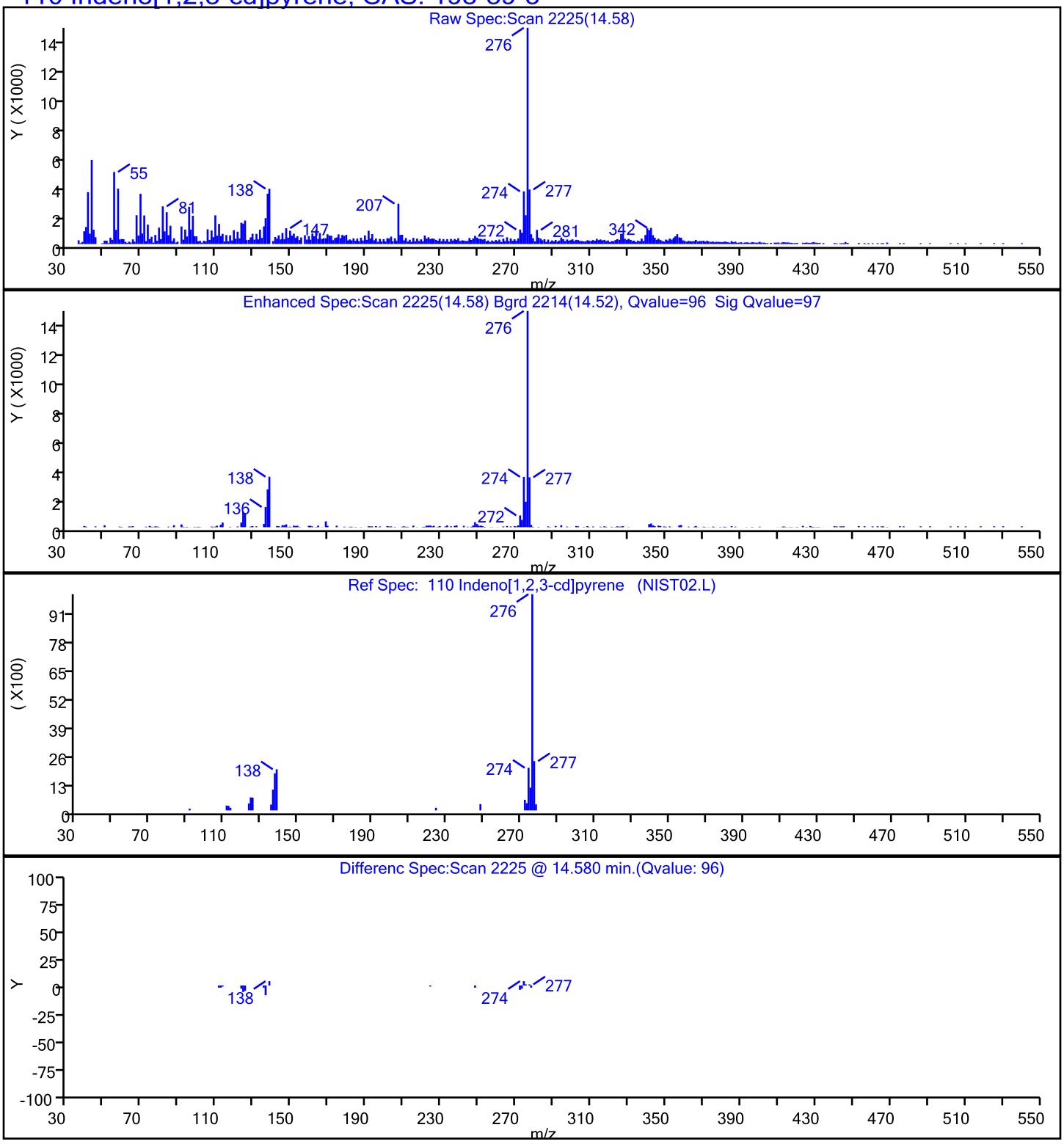
95 Pyrene, CAS: 129-00-0



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42518.d				
Injection Date:	30-Jun-2022 03:53:30	Instrument ID:	CBNAMS5		
Lims ID:	460-260852-A-16-D	Lab Sample ID:	460-260852-16		
Client ID:	BHP-HA07-COMP-S002				
Operator ID:		ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

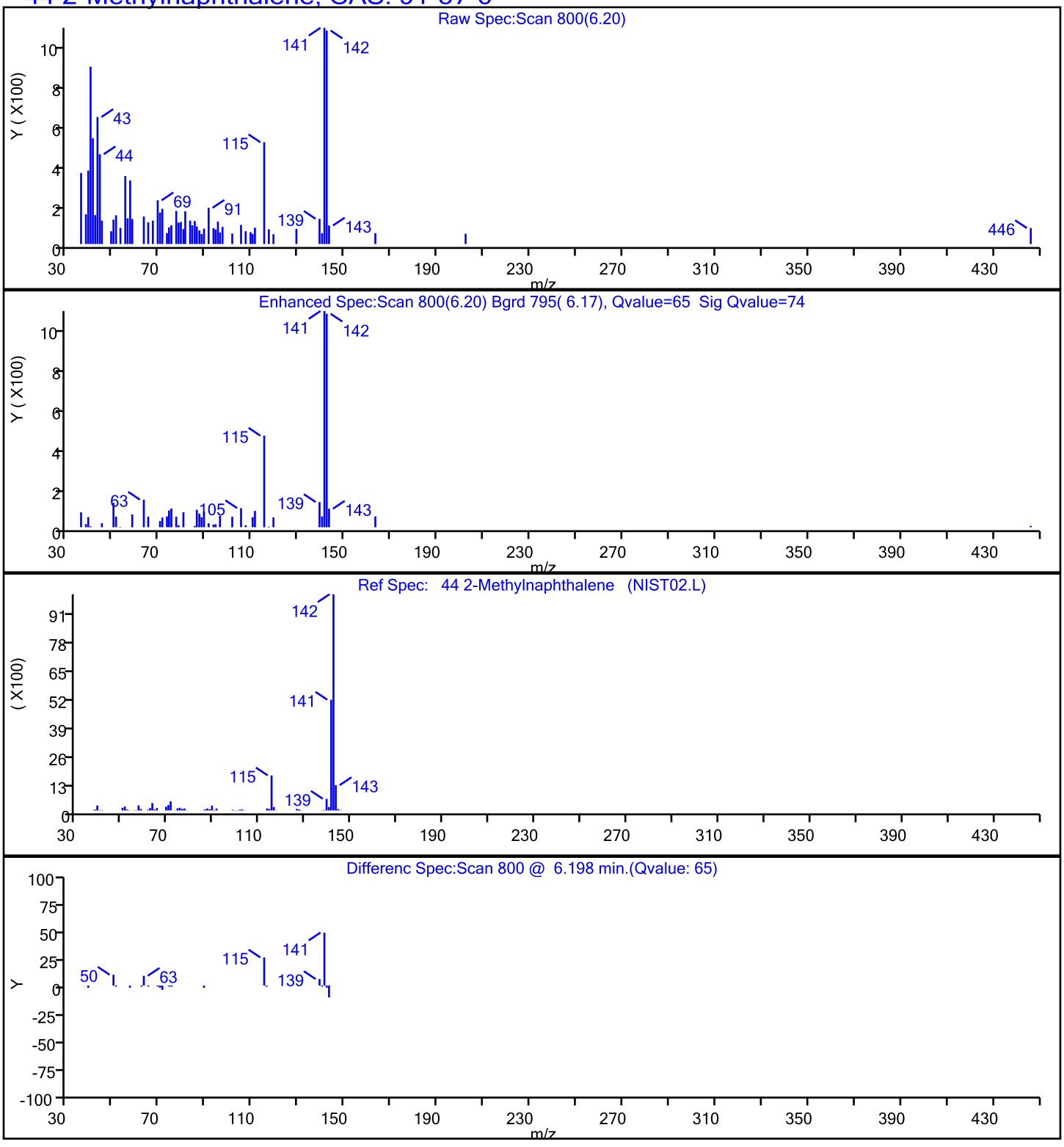
110 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42518.d				
Injection Date:	30-Jun-2022 03:53:30	Instrument ID:	CBNAMS5		
Lims ID:	460-260852-A-16-D	Lab Sample ID:	460-260852-16		
Client ID:	BHP-HA07-COMP-S002				
Operator ID:		ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

44 2-Methylnaphthalene, CAS: 91-57-6



Manual Integration/User Assign Peak Report

Eurofins Edison

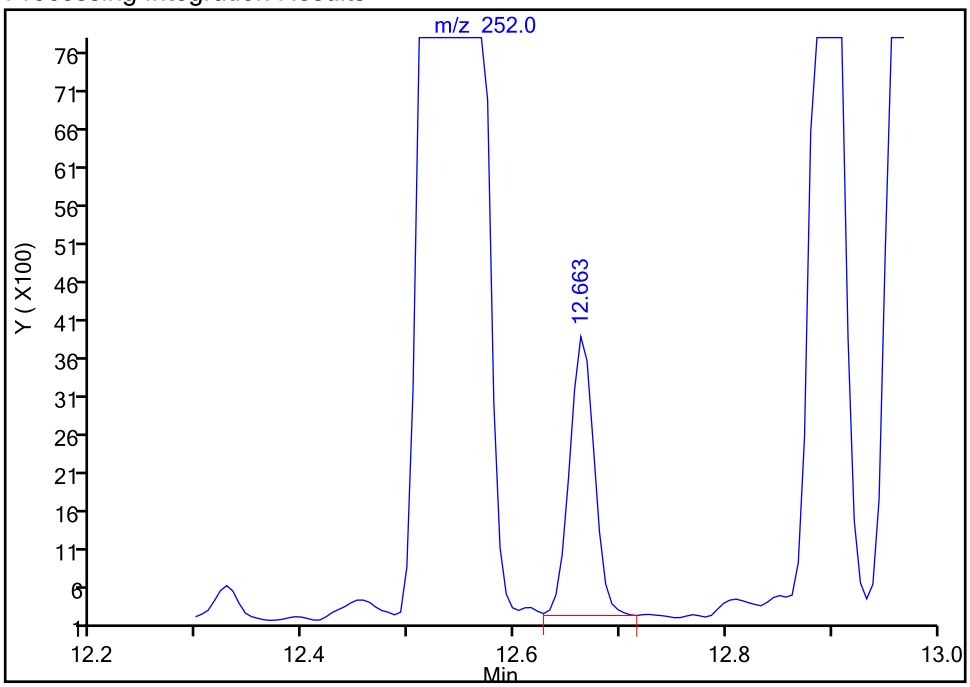
Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42518.d				
Injection Date:	30-Jun-2022 03:53:30	Instrument ID:	CBNAMS5		
Lims ID:	460-260852-A-16-D	Lab Sample ID:	460-260852-16		
Client ID:	BHP-HA07-COMP-S002				
Operator ID:		ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

107 Benzo[k]fluoranthene, CAS: 207-08-9

Signal: 1

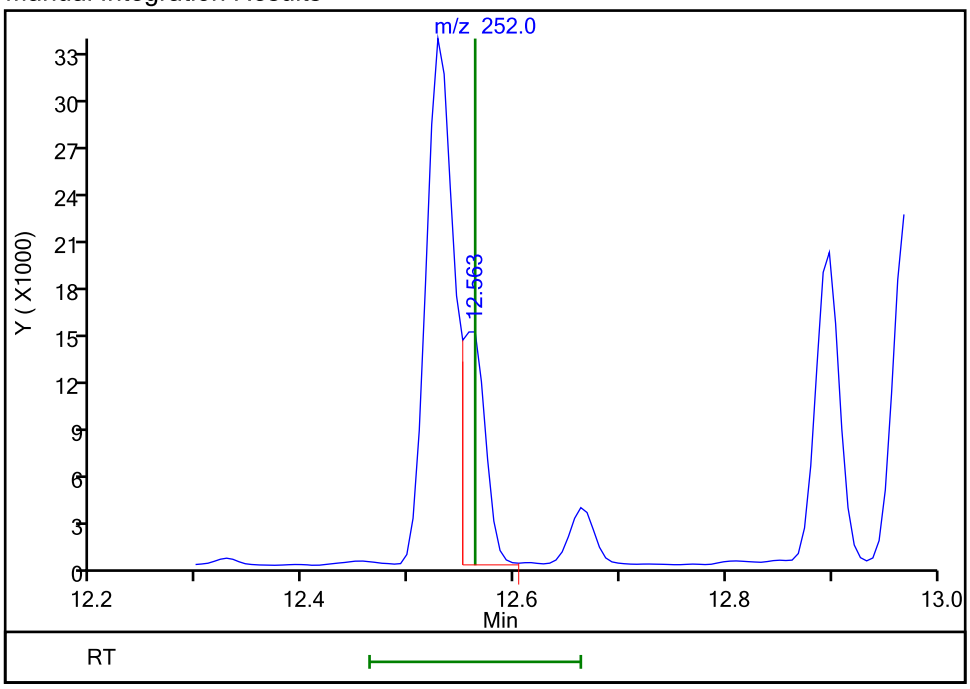
Processing Integration Results

RT: 12.66
Area: 5894
Amount: 0.379678
Amount Units: ug/ml



Manual Integration Results

RT: 12.56
Area: 23505
Amount: 1.514136
Amount Units: ug/ml



Reviewer: maheseep, 30-Jun-2022 16:33:55

Audit Action: Manually Integrated Audit Reason: Wrong peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-260852-1

SDG No.:

Client Sample ID: BHP-HA08-COMP-S001 | Lab Sample ID: 460-260852-17

Matrix: Solid | Lab File ID: X42514.d

Analysis Method: 8270C | Date Collected: 06/23/2022 14:45

Extract. Method: 3546 | Date Extracted: 06/29/2022 21:56

Sample wt/vol: 15.00(g) | Date Analyzed: 06/30/2022 02:19

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: 23.3 % Solids: 76.7 | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 852810 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
208-96-8	Acenaphthylene	640		430	12
120-12-7	Anthracene	1500		430	13
56-55-3	Benzo[a]anthracene	3700		43	15
205-99-2	Benzo[b]fluoranthene	4200		43	11
50-32-8	Benzo[a]pyrene	2900		43	11
191-24-2	Benzo[g,h,i]perylene	1200		430	13
207-08-9	Benzo[k]fluoranthene	1500		43	8.5
218-01-9	Chrysene	4000		430	7.3
53-70-3	Dibenz(a,h)anthracene	410		43	19
206-44-0	Fluoranthene	8200		430	15
91-20-3	Naphthalene	640		430	7.5
85-01-8	Phenanthrene	6900		430	7.6
129-00-0	Pyrene	6800		430	11
86-73-7	Fluorene	850		430	13
83-32-9	Acenaphthene	370	J	430	12
193-39-5	Indeno[1,2,3-cd]pyrene	1700		43	17
91-58-7	2-Chloronaphthalene	20	U	430	20
91-57-6	2-Methylnaphthalene	540		430	12

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	37		22-122
4165-60-0	Nitrobenzene-d5 (Surr)	36		16-125
1718-51-0	Terphenyl-d14 (Surr)	35		25-126

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42514.d
Lims ID: 460-260852-A-17-D
Client ID: BHP-HA08-COMP-S001
Sample Type: Client
Inject. Date: 30-Jun-2022 02:19:30 ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0147251-012
Operator ID: Instrument ID: CBNAMS5

Method: \\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\8270_5R.m
Limit Group: SV 8270 DEL ICAL
Last Update: 30-Jun-2022 11:56:45 Calib Date: 03-Jun-2022 09:29:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS5\20220602-146048.b\X41882.d

Column 1 : Det: MS SCAN
Process Host: CTX1633

First Level Reviewer: maheseep Date: 30-Jun-2022 16:30:54

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 14 1,4-Dichlorobenzene-d4	152	4.304	4.304	0.000	99	147338	40.0	
$ 26 Nitrobenzene-d5	82	4.834	4.840	-0.006	90	106288	18.1	
* 38 Naphthalene-d8	136	5.522	5.522	0.000	100	555771	40.0	
39 Naphthalene	128	5.539	5.540	-0.001	97	105351	7.35	
44 2-Methylnaphthalene	142	6.198	6.198	0.000	78	59348	6.24	
$ 51 2-Fluorobiphenyl	172	6.551	6.557	0.000	79	184162	18.4	a
61 Acenaphthylene	152	7.051	7.057	0.000	94	92252	7.37	
* 65 Acenaphthene-d10	164	7.186	7.181	0.005	97	259272	40.0	
67 Acenaphthene	154	7.216	7.222	0.000	60	31278	4.26	
75 Fluorene	166	7.704	7.705	0.006	76	81332	9.84	
* 88 Phenanthrene-d10	188	8.586	8.581	0.005	98	489938	40.0	
89 Phenanthrene	178	8.610	8.610	0.006	98	1024089	79.3	
90 Anthracene	178	8.657	8.657	0.006	97	226528	17.0	
93 Fluoranthene	202	9.733	9.734	0.005	97	1320306	94.0	
95 Pyrene	202	9.945	9.950	0.006	96	1096630	78.1	
$ 96 Terphenyl-d14	244	10.104	10.109	0.006	96	220331	17.6	
101 Benzo[a]anthracene	228	11.186	11.186	0.011	99	584929	43.0	
* 102 Chrysene-d12	240	11.198	11.186	0.012	98	437863	40.0	
103 Chrysene	228	11.227	11.227	0.011	92	579684	46.0	
106 Benzo[b]fluoranthene	252	12.545	12.539	0.023	97	736343	48.6	M
107 Benzo[k]fluoranthene	252	12.574	12.568	0.011	1	268758	17.6	Ma
108 Benzo[a]pyrene	252	12.986	12.986	0.017	95	493293	33.9	
* 109 Perylene-d12	264	13.068	13.045	0.023	98	540422	40.0	
110 Indeno[1,2,3-cd]pyrene	276	14.609	14.600	0.029	99	289858	19.5	
111 Dibenz(a,h)anthracene	278	14.639	14.633	0.018	34	74948	4.75	a
112 Benzo[g,h,i]perylene	276	15.027	15.018	0.029	91	231295	14.2	

QC Flag Legend
Processing Flags

Review Flags
M - Manually Integrated
a - User Assigned ID

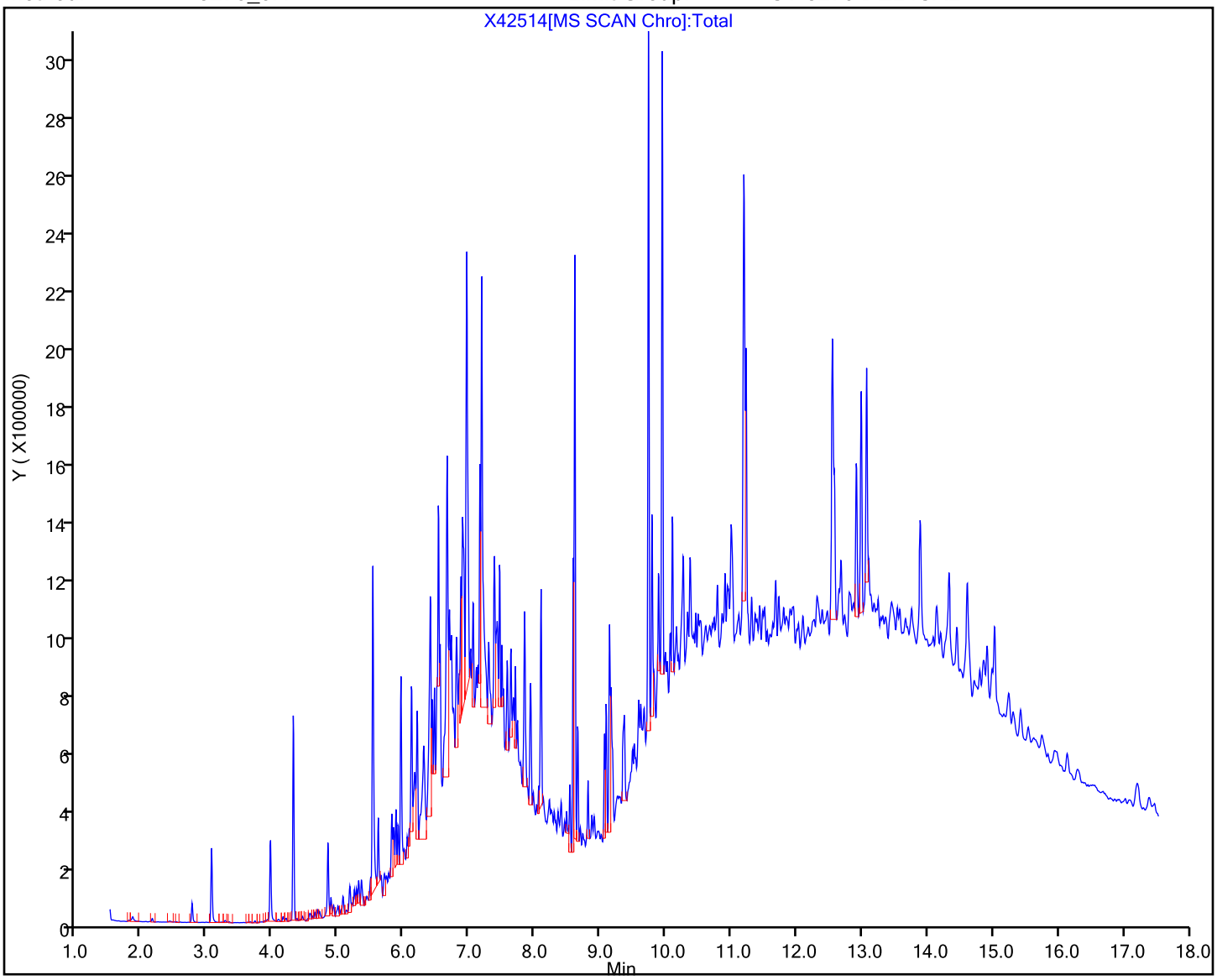
Reagents:

SM_ISTD_00196 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 30-Jun-2022 12:09:53 Chrom Revision: 2.3 20-Jun-2022 20:10:40

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42514.d				
Injection Date:	30-Jun-2022 02:19:30	Instrument ID:	CBNAMS5		
Lims ID:	460-260852-A-17-D	Lab Sample ID:	460-260852-17		
Client ID:	BHP-HA08-COMP-S001				
Operator ID:		ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42514.d				
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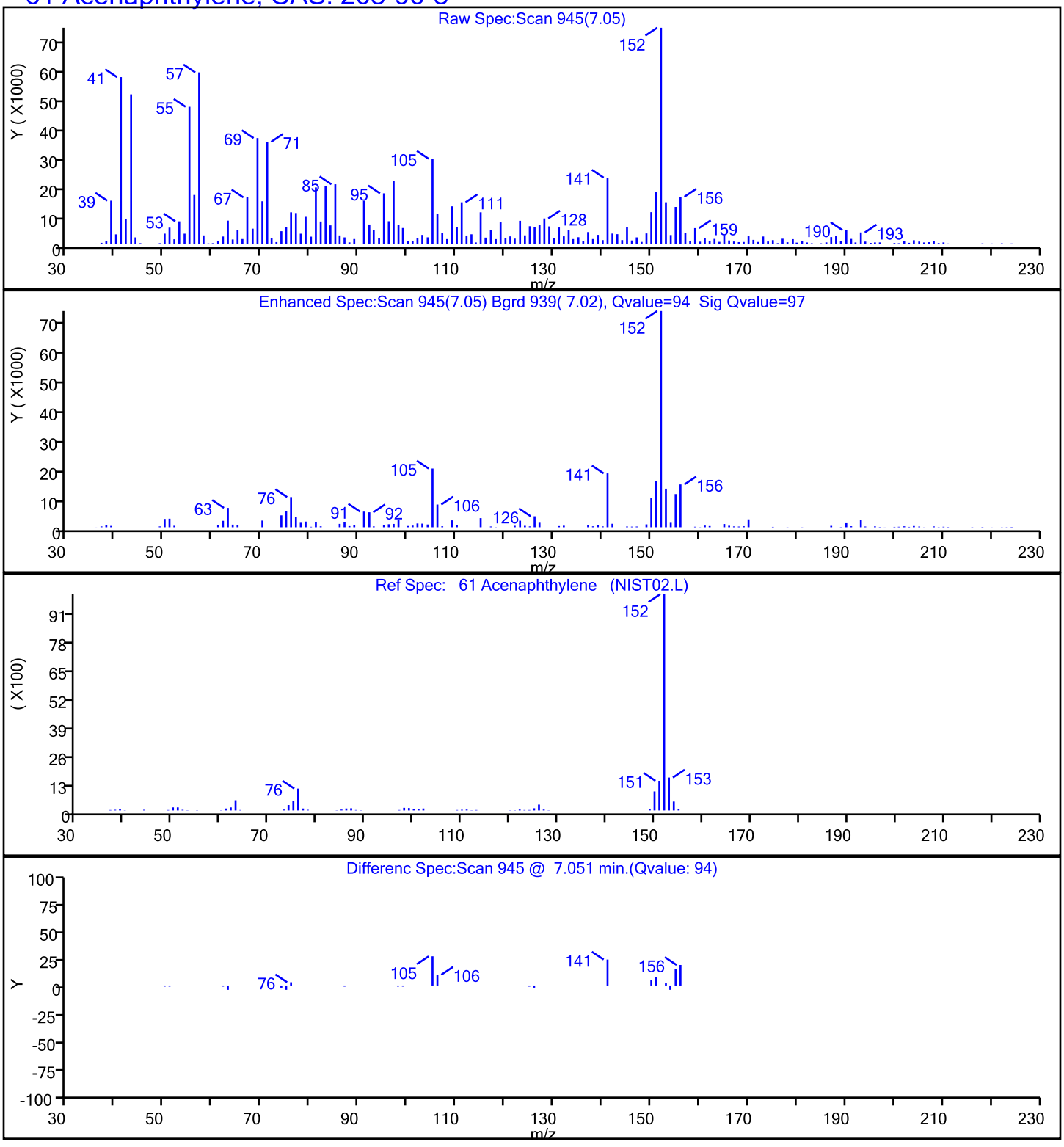
Lims ID:	460-260852-A-17-D	Lab Sample ID:	460-260852-17		
Client ID:	BHP-HA08-COMP-S001				
Operator ID:		ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

61 Acenaphthylene, CAS: 208-96-8



Eurofins Edison

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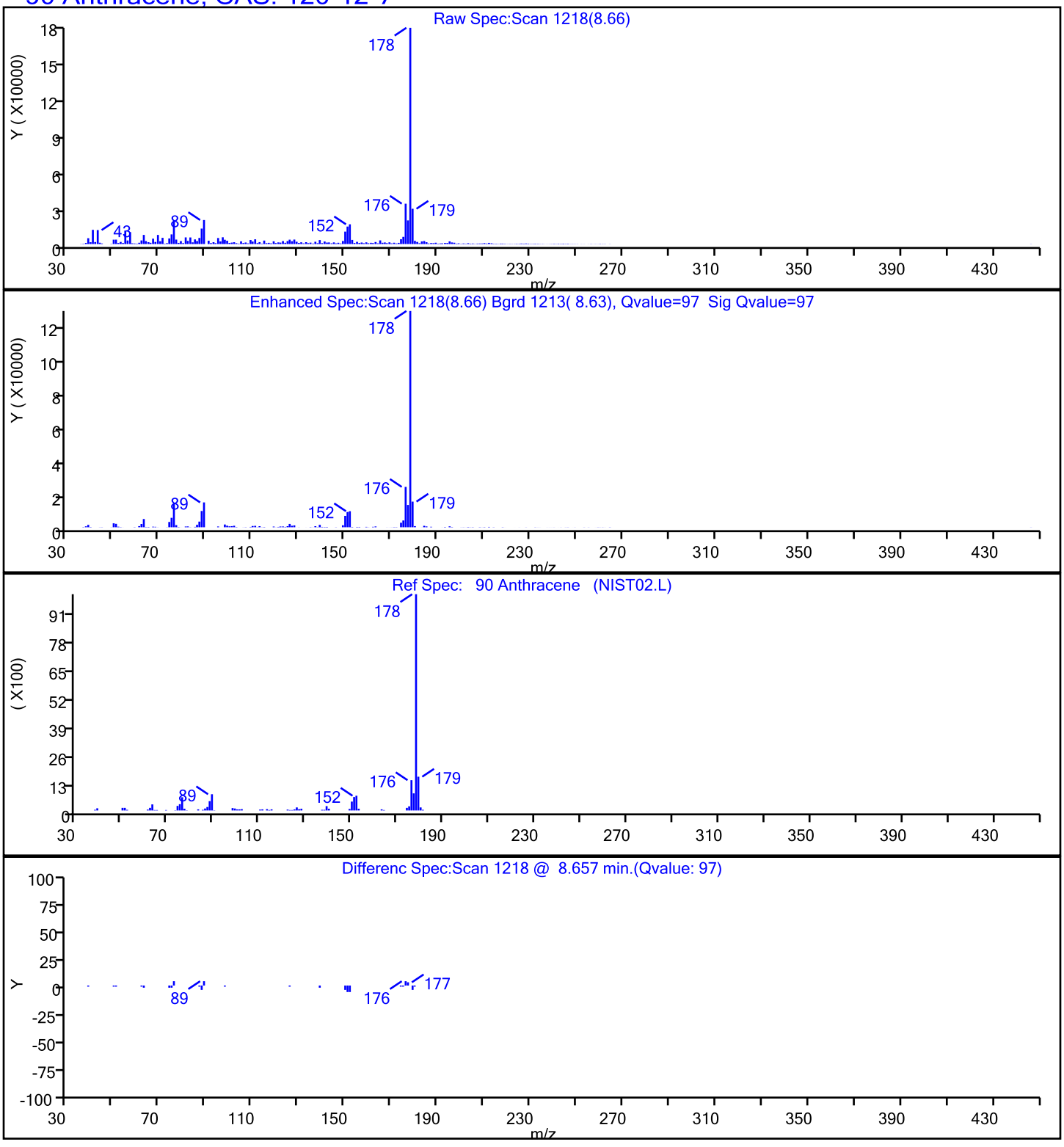
Lims ID:	460-260852-A-17-D	Lab Sample ID:	460-260852-17		
Client ID:	BHP-HA08-COMP-S001				
Operator ID:		ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

90 Anthracene, CAS: 120-12-7



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42514.d				
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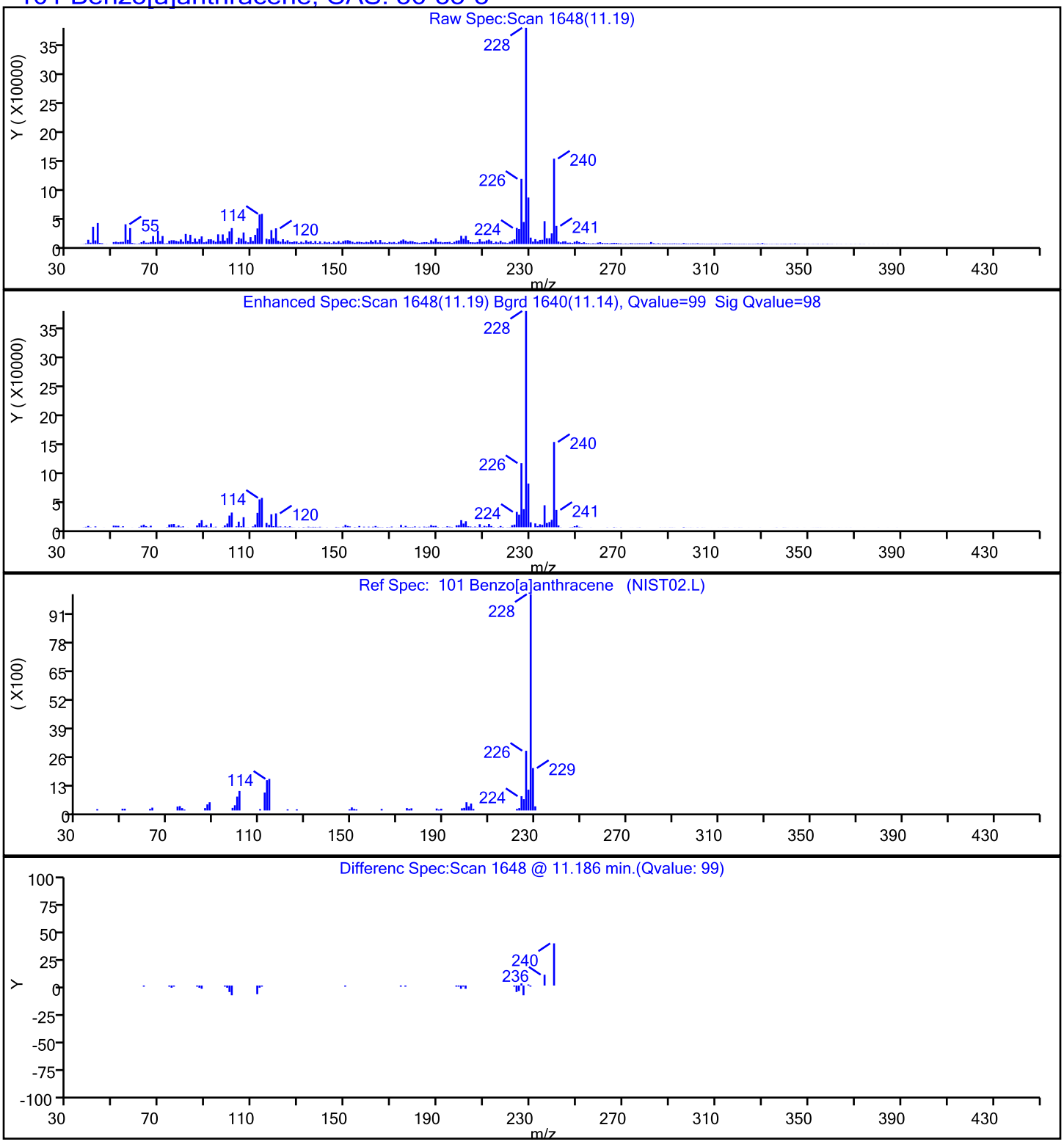
Client ID:	BHP-HA08-COMP-S001				
Operator ID:		ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

101 Benzo[a]anthracene, CAS: 56-55-3



Report Date: 30-Jun-2022 12:09:53 Chrom Revision: 2.3 20-Jun-2022 20:10:40

Eurofins Edison

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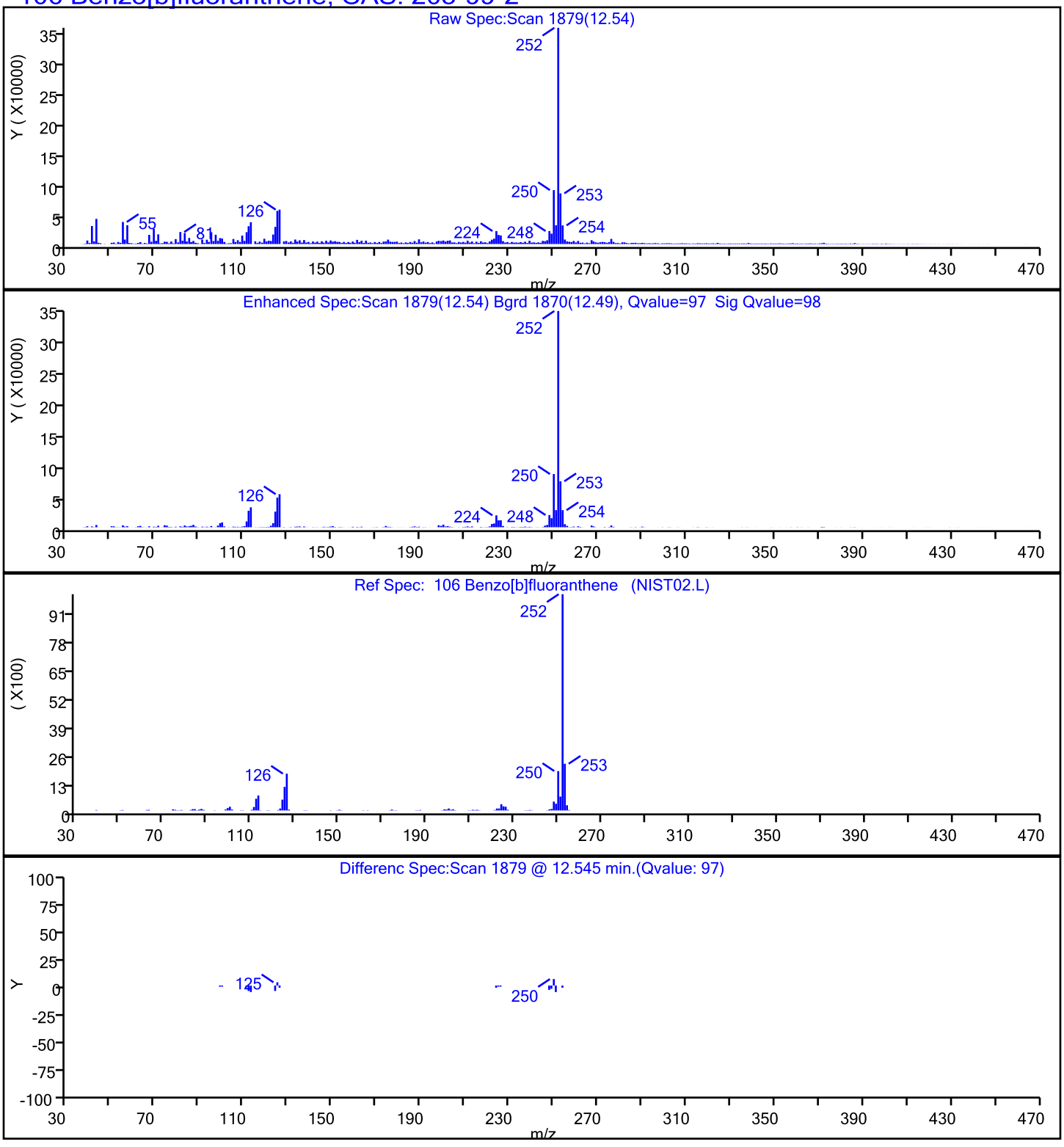
Client ID:	BHP-HA08-COMP-S001				
Operator ID:		ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

106 Benzo[b]fluoranthene, CAS: 205-99-2



Eurofins Edison

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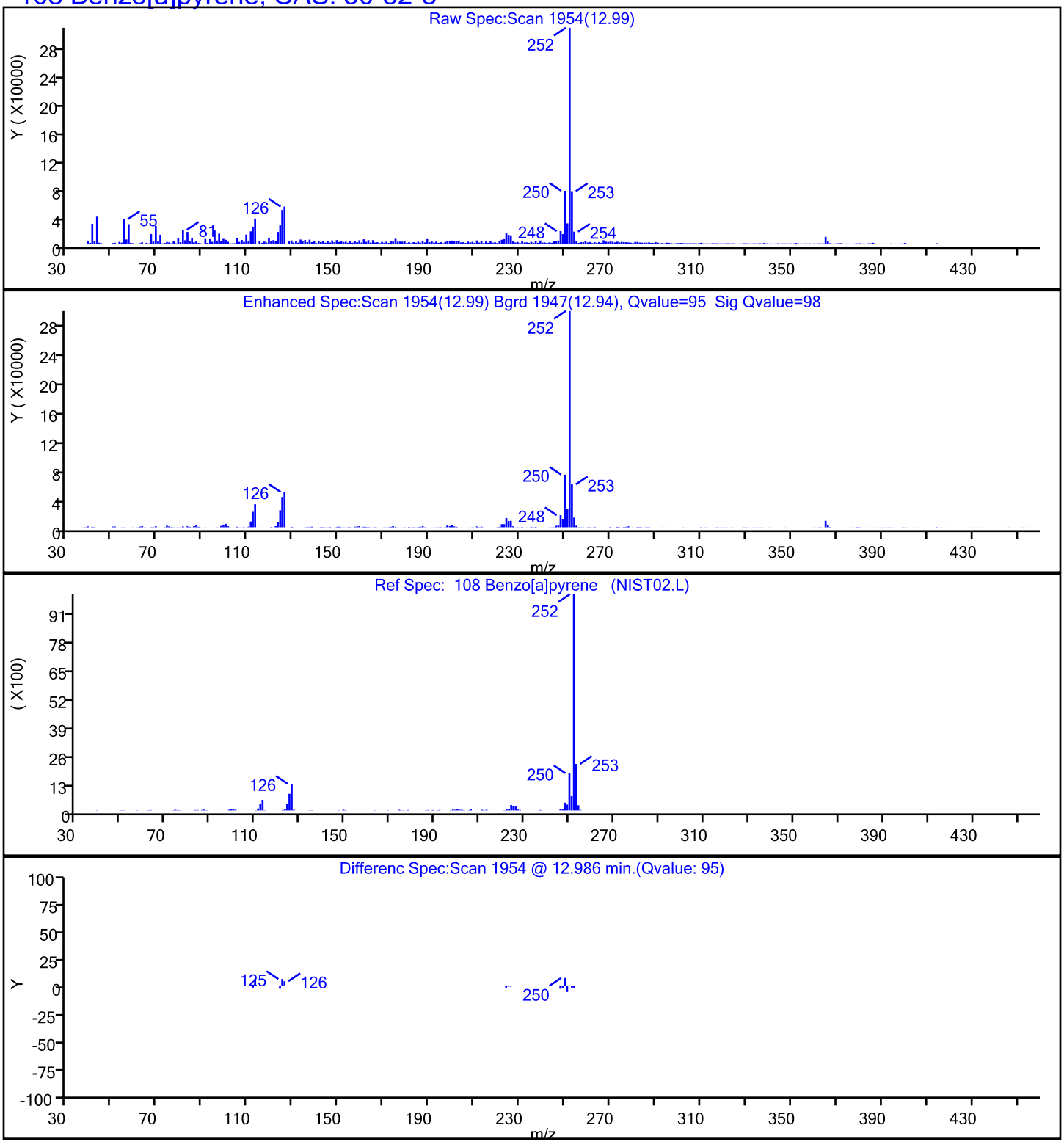
Lims ID:	460-260852-A-17-D	Lab Sample ID:	460-260852-17		
Client ID:	BHP-HA08-COMP-S001				
Operator ID:		ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

108 Benzo[a]pyrene, CAS: 50-32-8



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42514.d				
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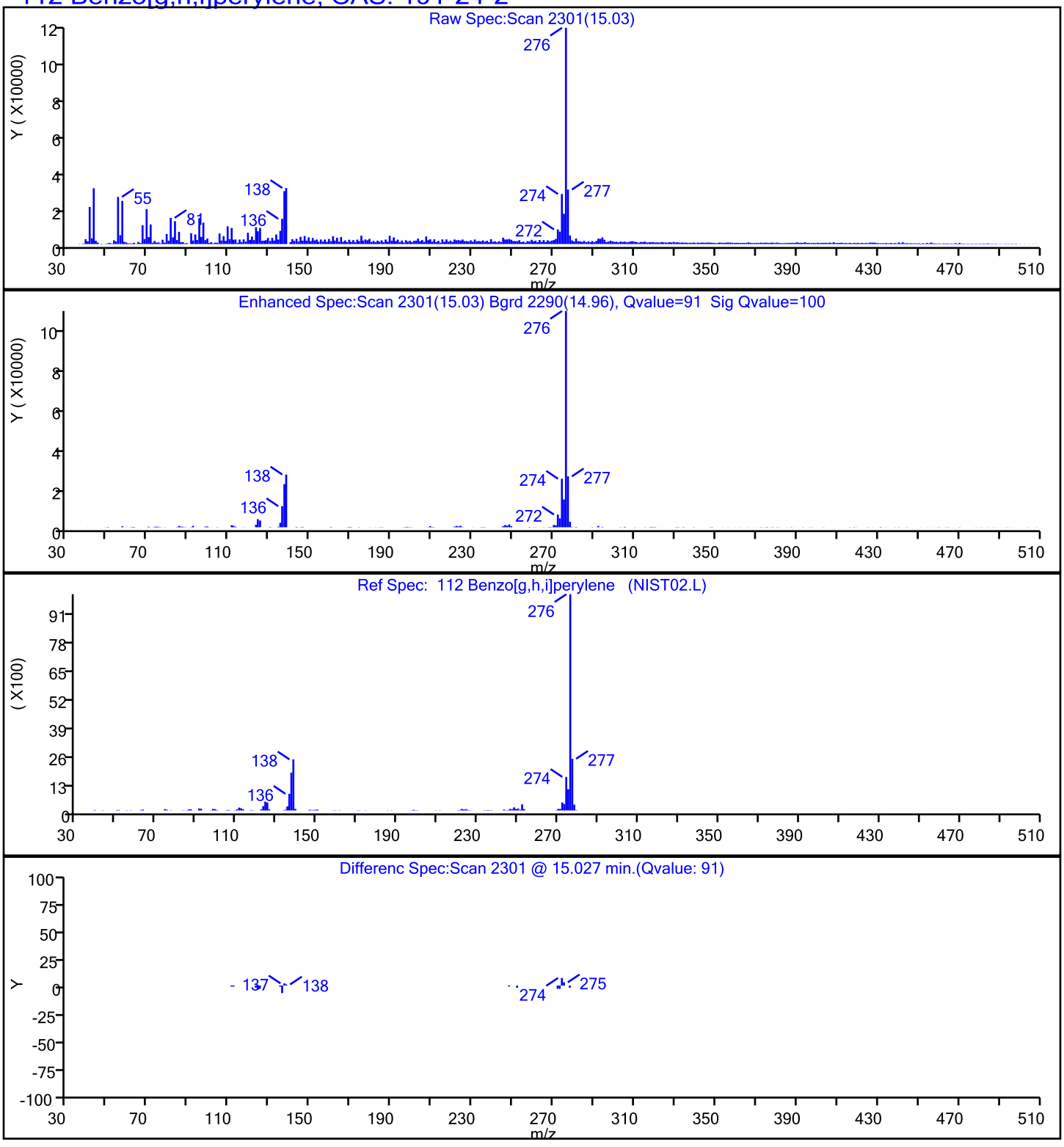
Client ID:	BHP-HA08-COMP-S001				
Operator ID:		ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

112 Benzo[g,h,i]perylene, CAS: 191-24-2



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42514.d				
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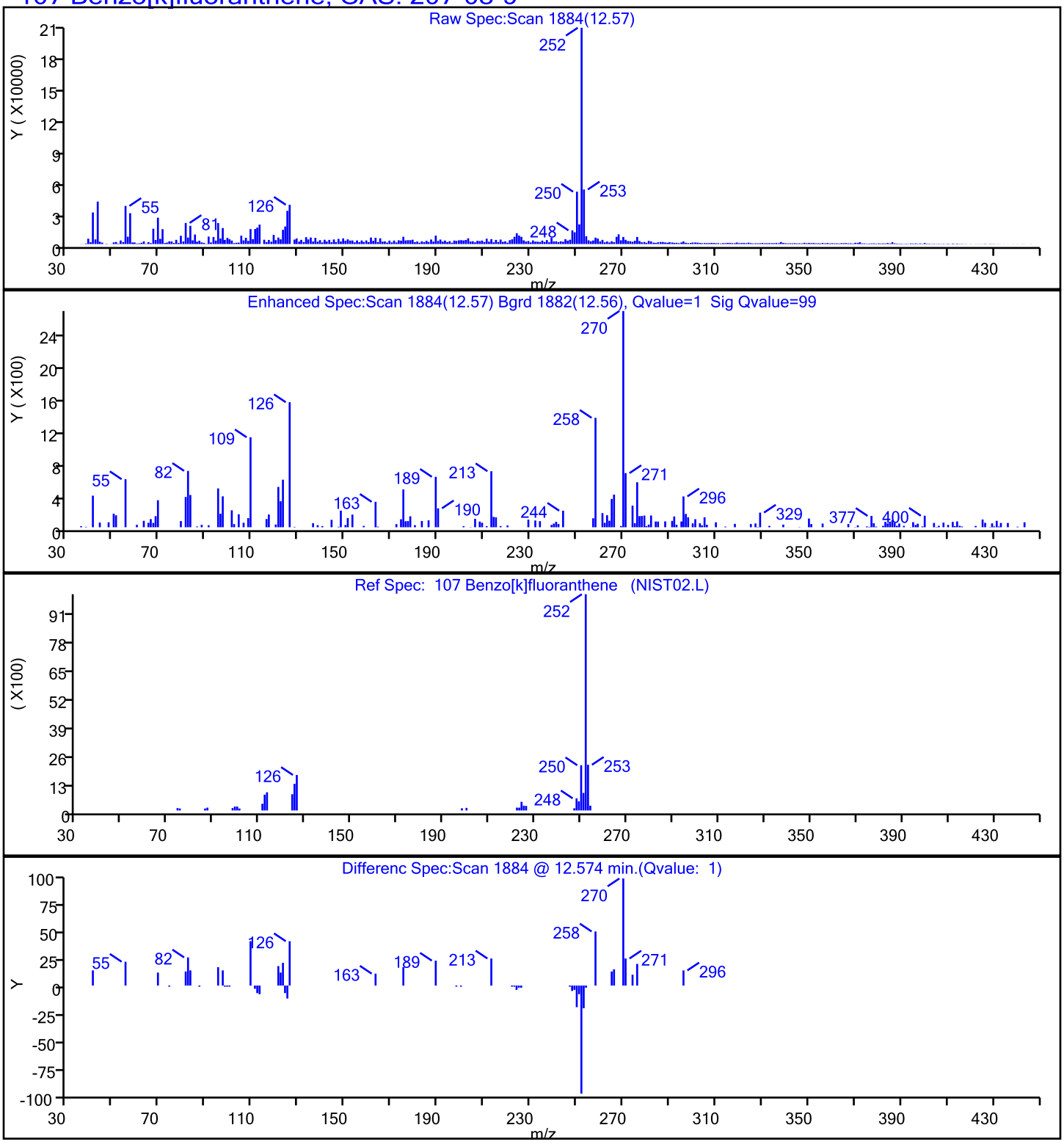
Client ID:	BHP-HA08-COMP-S001				
Operator ID:		ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

107 Benzo[k]fluoranthene, CAS: 207-08-9



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42514.d				
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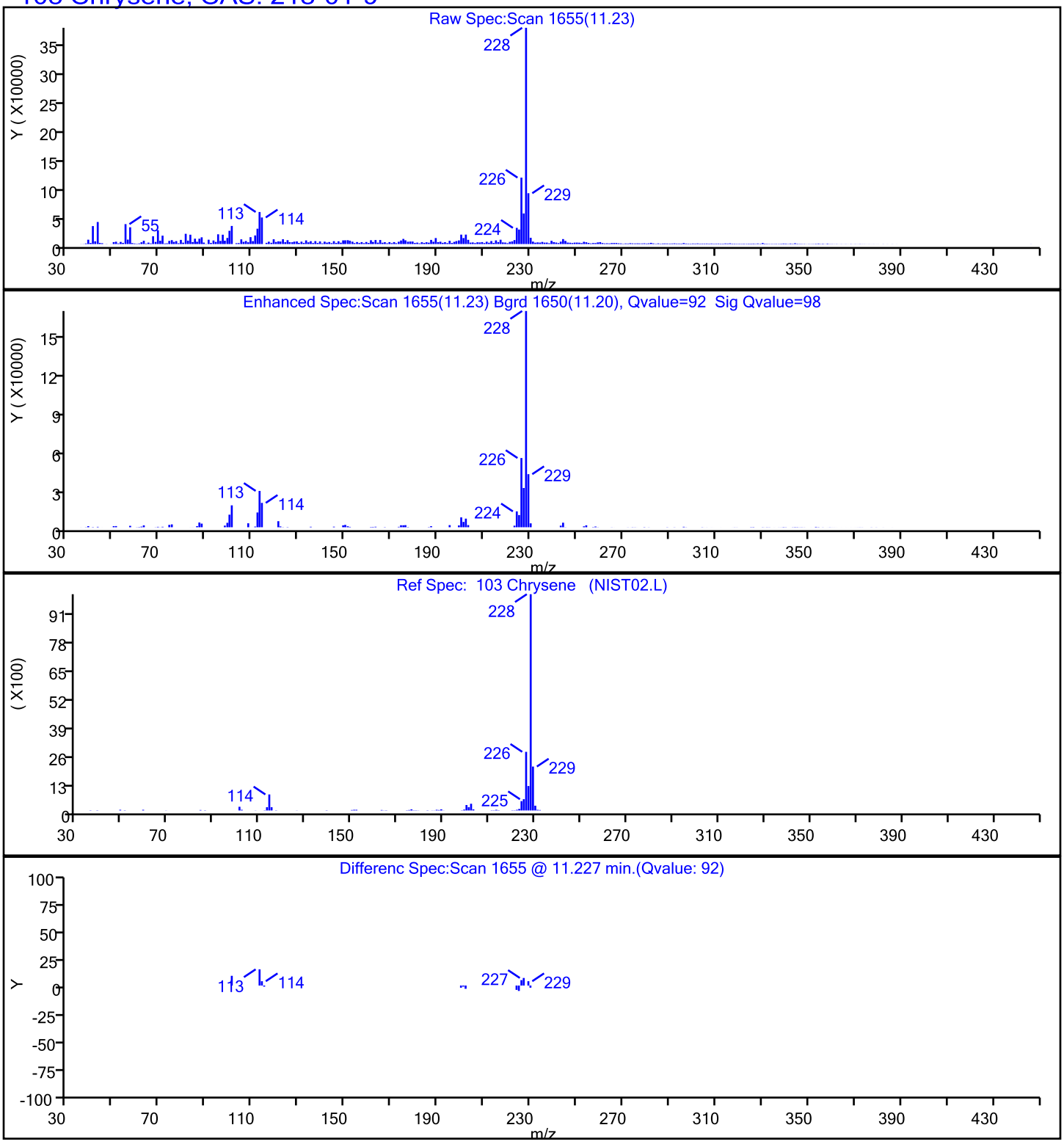
Client ID:	BHP-HA08-COMP-S001				
Operator ID:		ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

103 Chrysene, CAS: 218-01-9



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42514.d				
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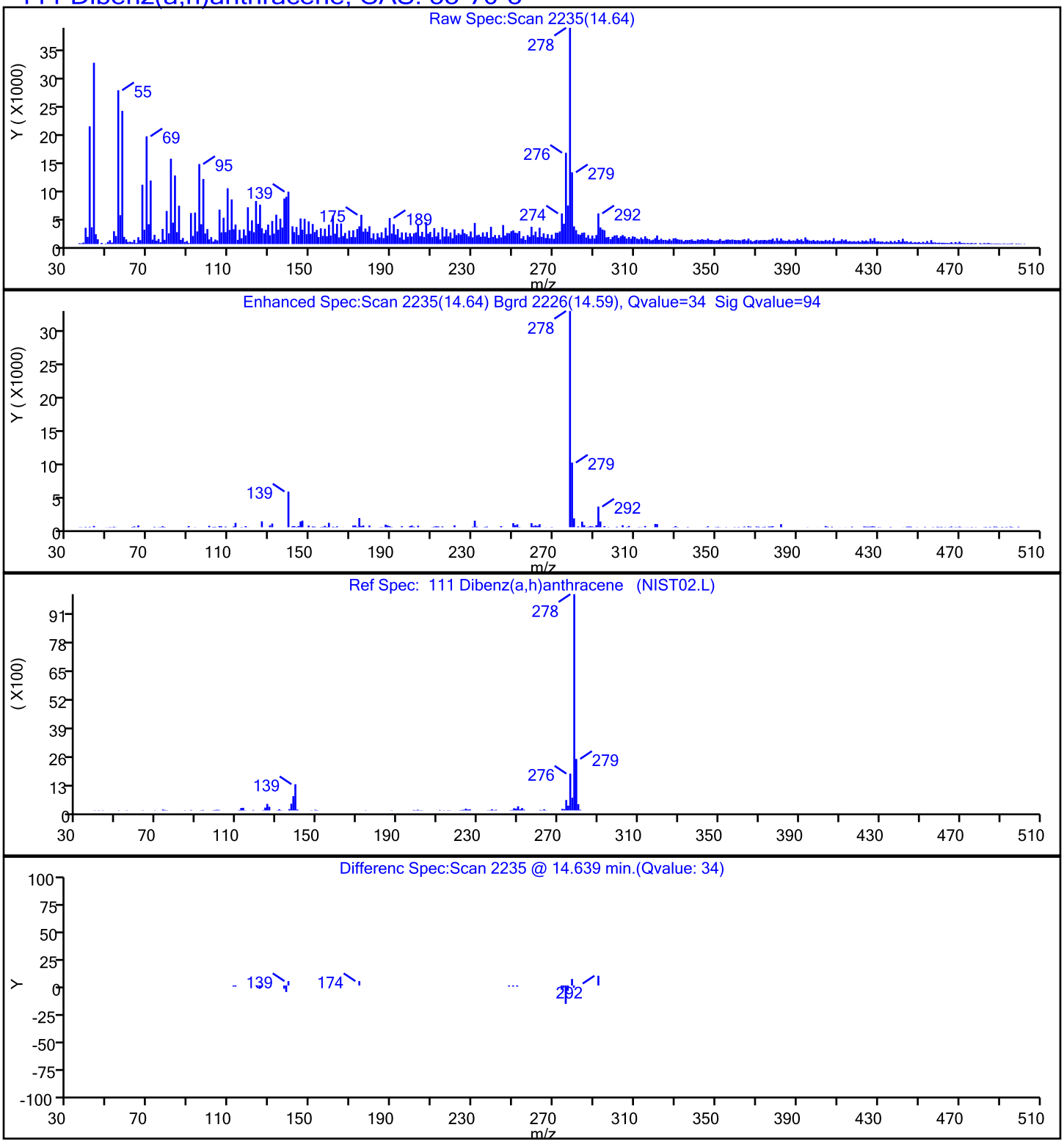
Client ID:	BHP-HA08-COMP-S001				
Operator ID:		ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

111 Dibenz(a,h)anthracene, CAS: 53-70-3



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42514.d				
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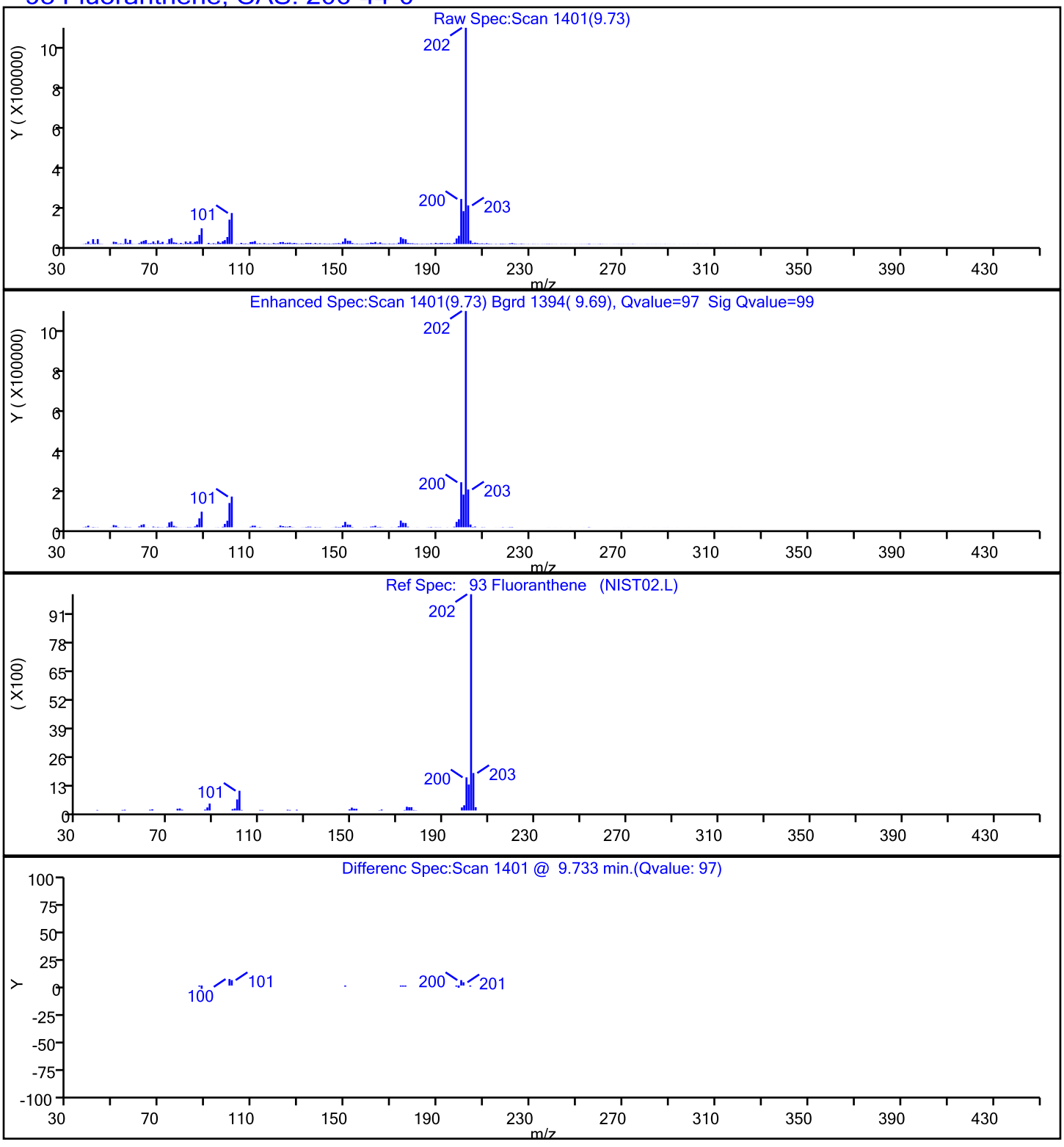
Client ID:	BHP-HA08-COMP-S001				
Operator ID:		ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

93 Fluoranthene, CAS: 206-44-0



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42514.d				
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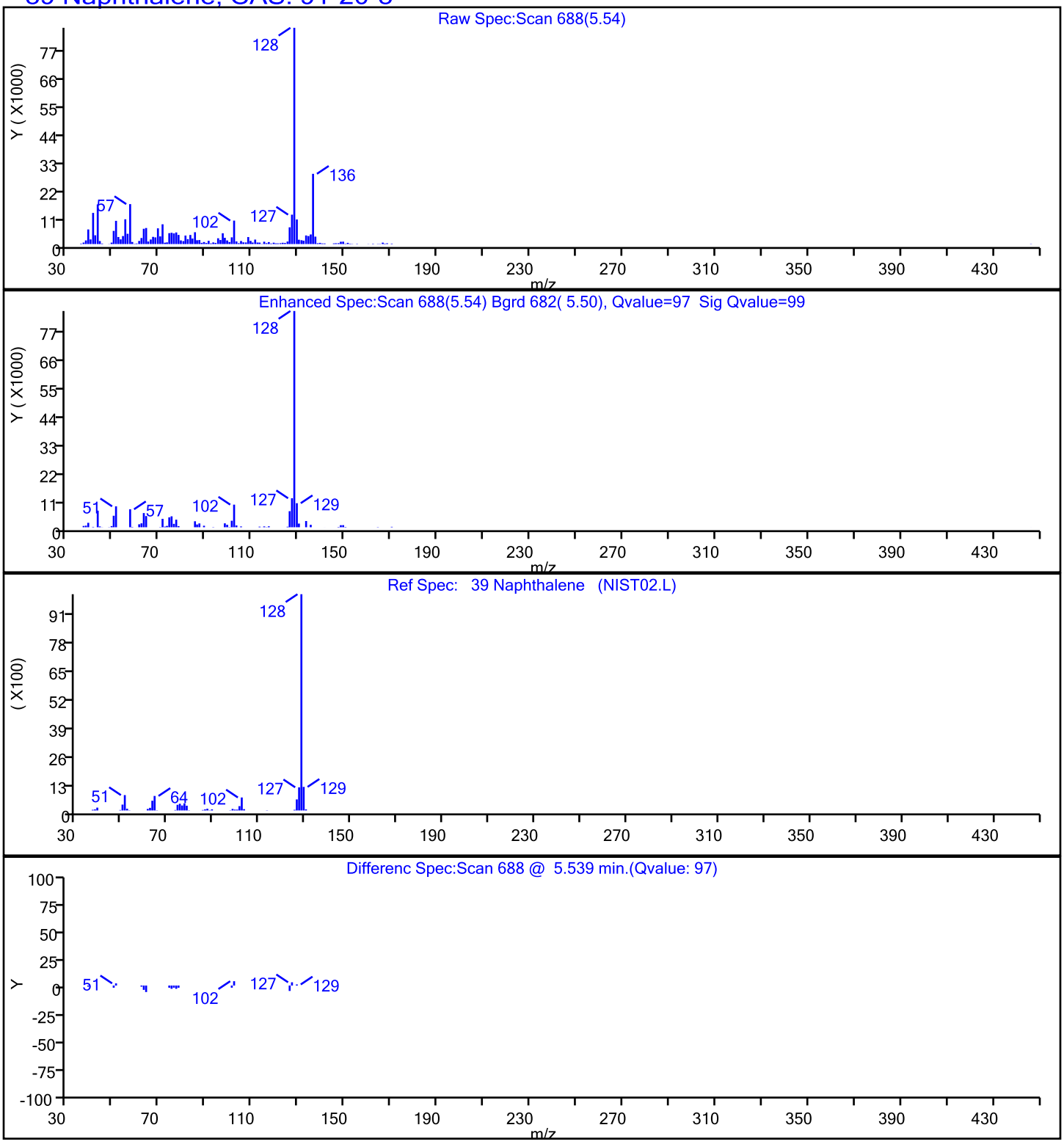
Client ID:	BHP-HA08-COMP-S001				
Operator ID:		ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

39 Naphthalene, CAS: 91-20-3



Report Date: 30-Jun-2022 12:09:53 Chrom Revision: 2.3 20-Jun-2022 20:10:40

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42514.d

Injection Date:	30-Jun-2022 02:19:30	Instrument ID:	CBNAMS5		
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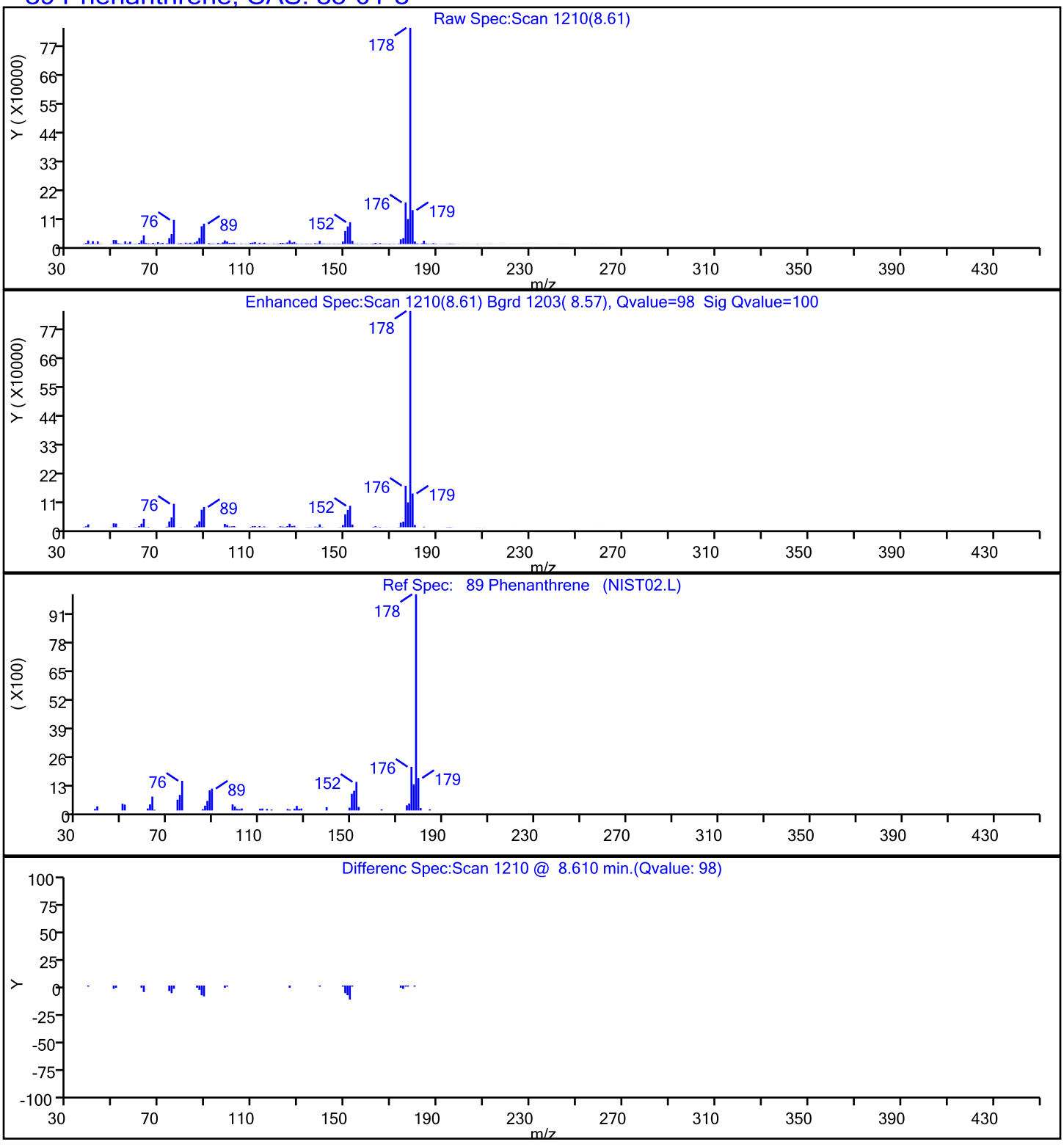
Client ID:	BHP-HA08-COMP-S001				
Operator ID:		ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

89 Phenanthrene, CAS: 85-01-8



Eurofins Edison

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Client ID:	BHP-HA08-COMP-S001				
Operator ID:		ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
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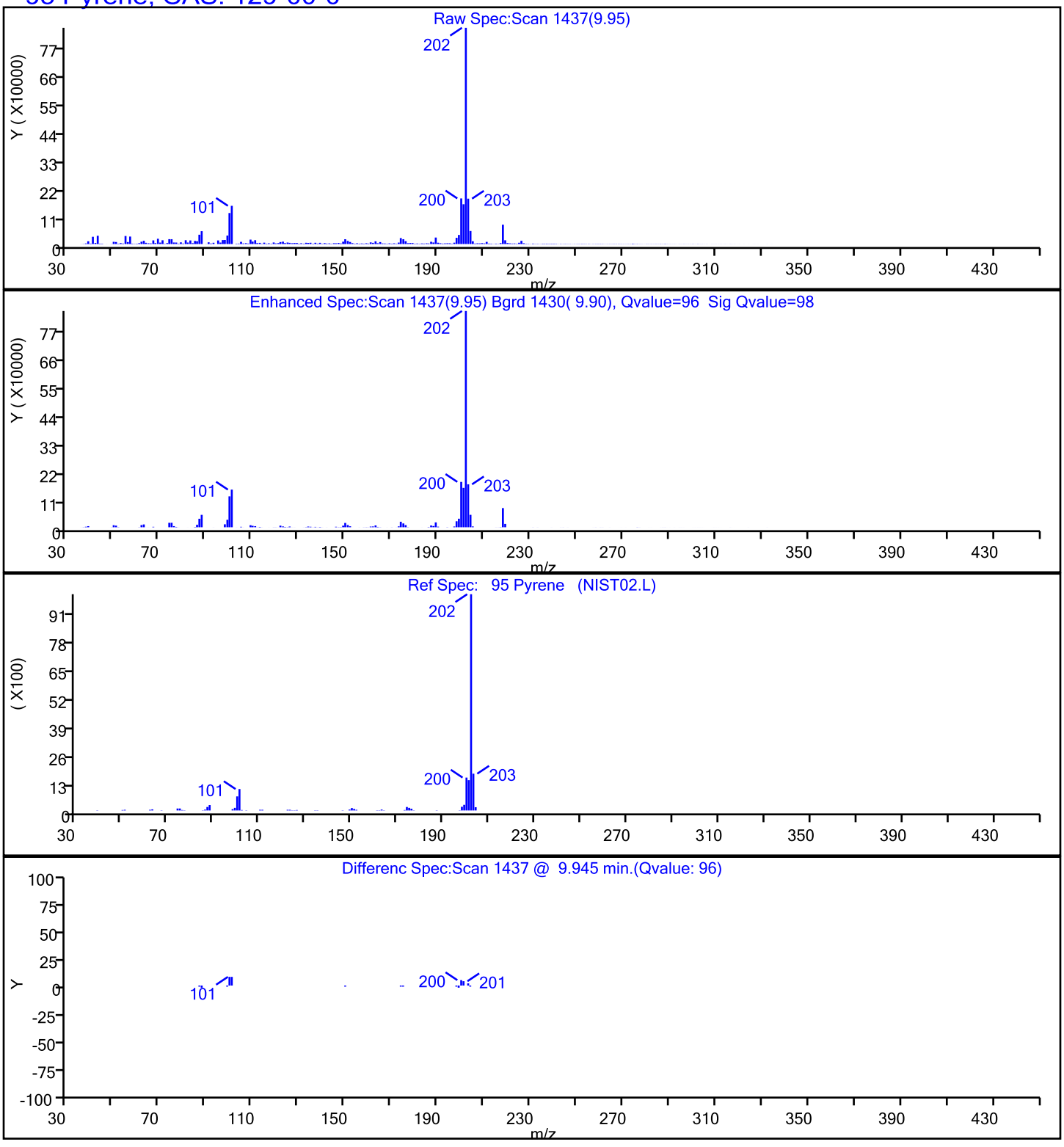
Column:		Detector	MS SCAN		

95 Pyrene, CAS: 129-00-0



Eurofins Edison

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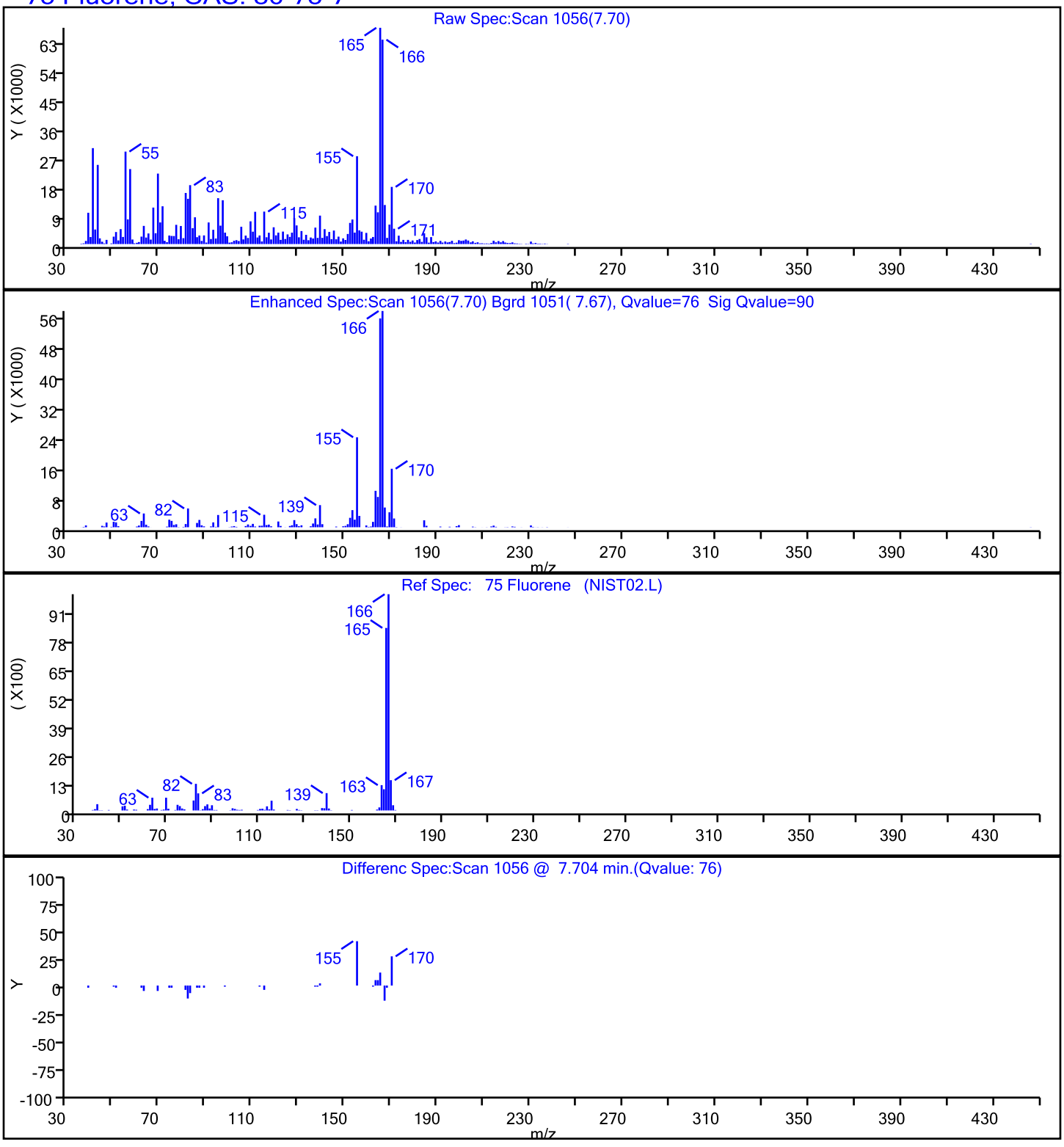
Client ID:	BHP-HA08-COMP-S001				
Operator ID:		ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

75 Fluorene, CAS: 86-73-7



Eurofins Edison

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Client ID:	BHP-HA08-COMP-S001				
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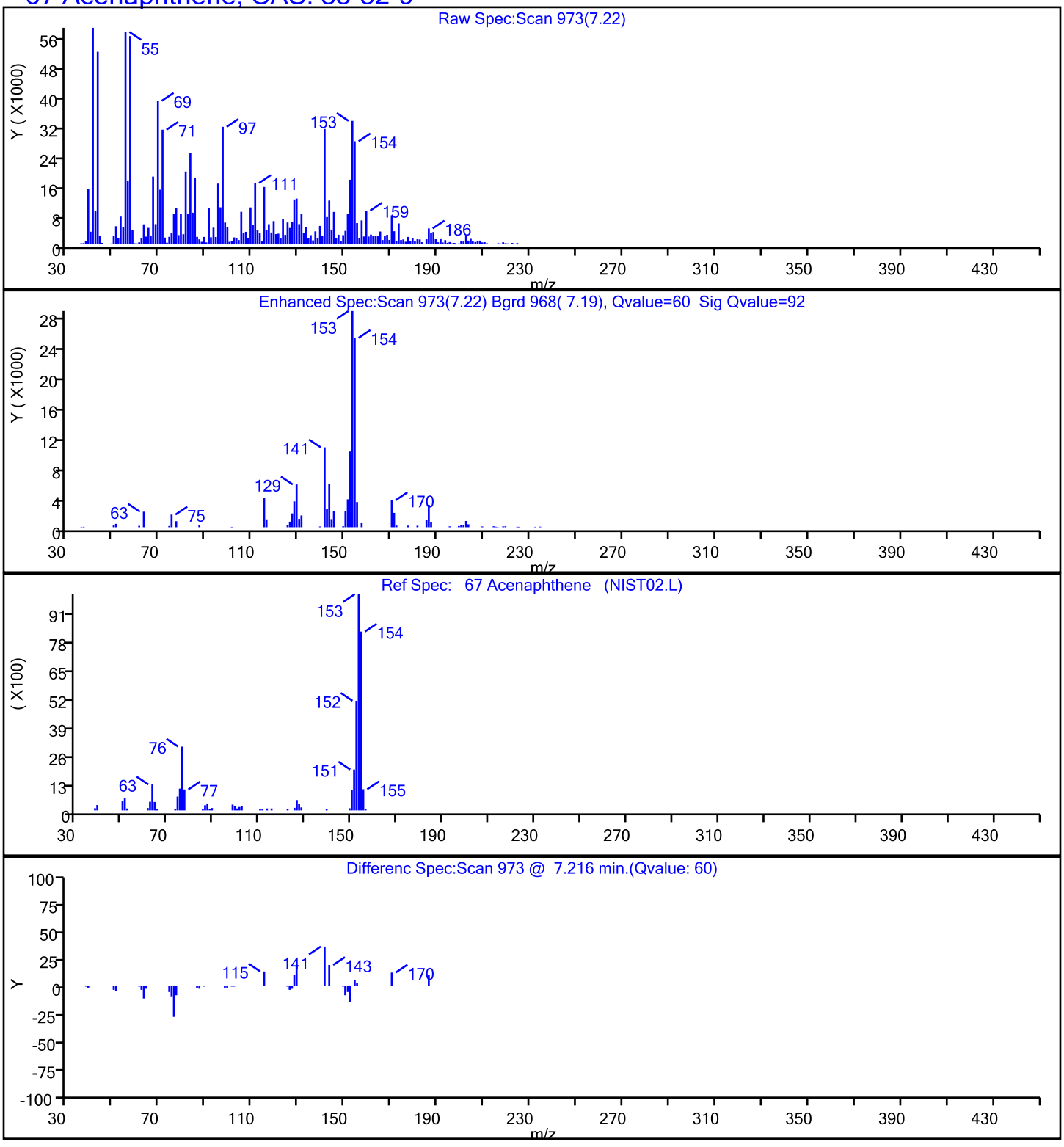
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

67 Acenaphthene, CAS: 83-32-9



Eurofins Edison

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Client ID:	BHP-HA08-COMP-S001				
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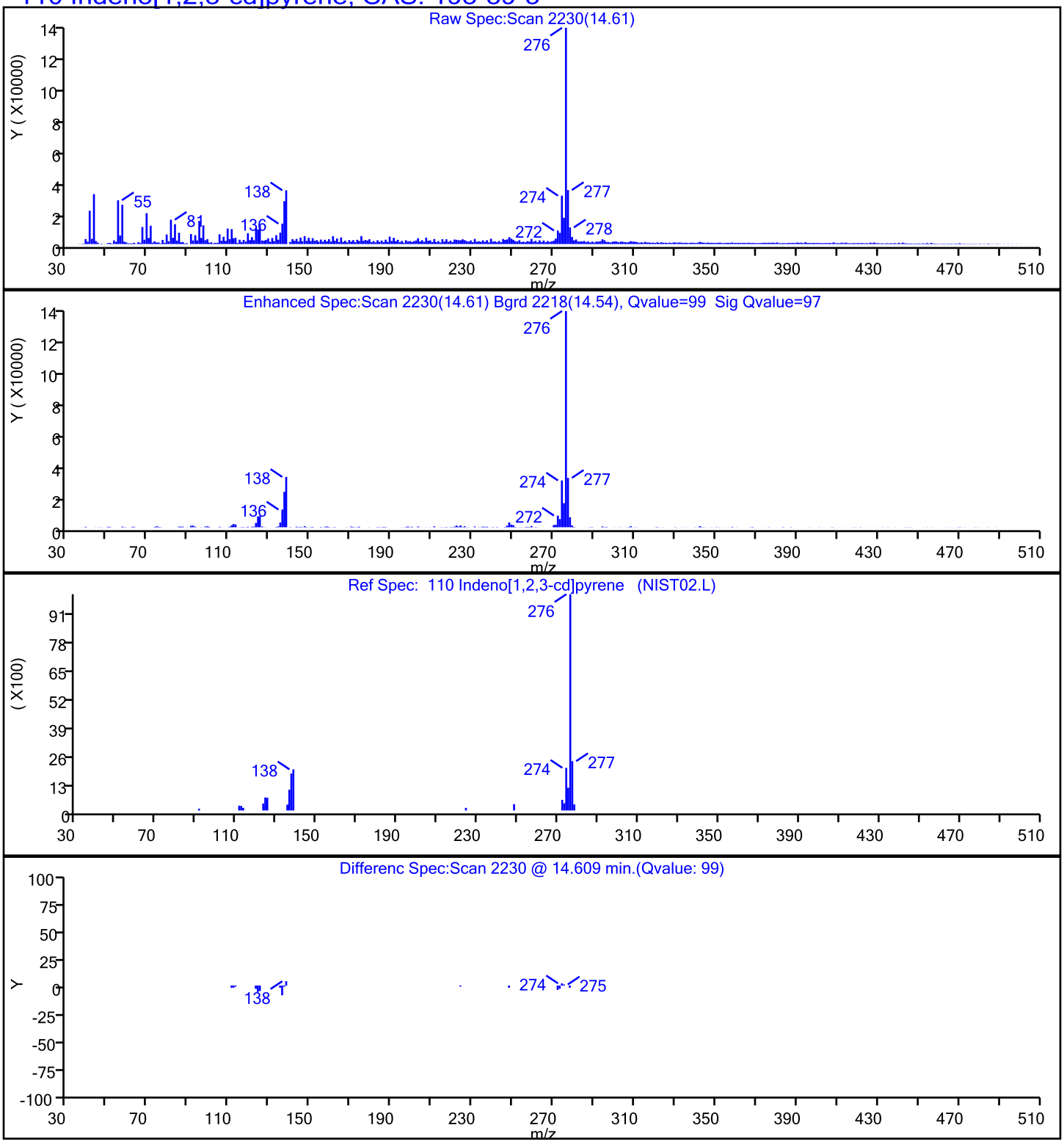
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

110 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42514.d				
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Client ID:	BHP-HA08-COMP-S001				
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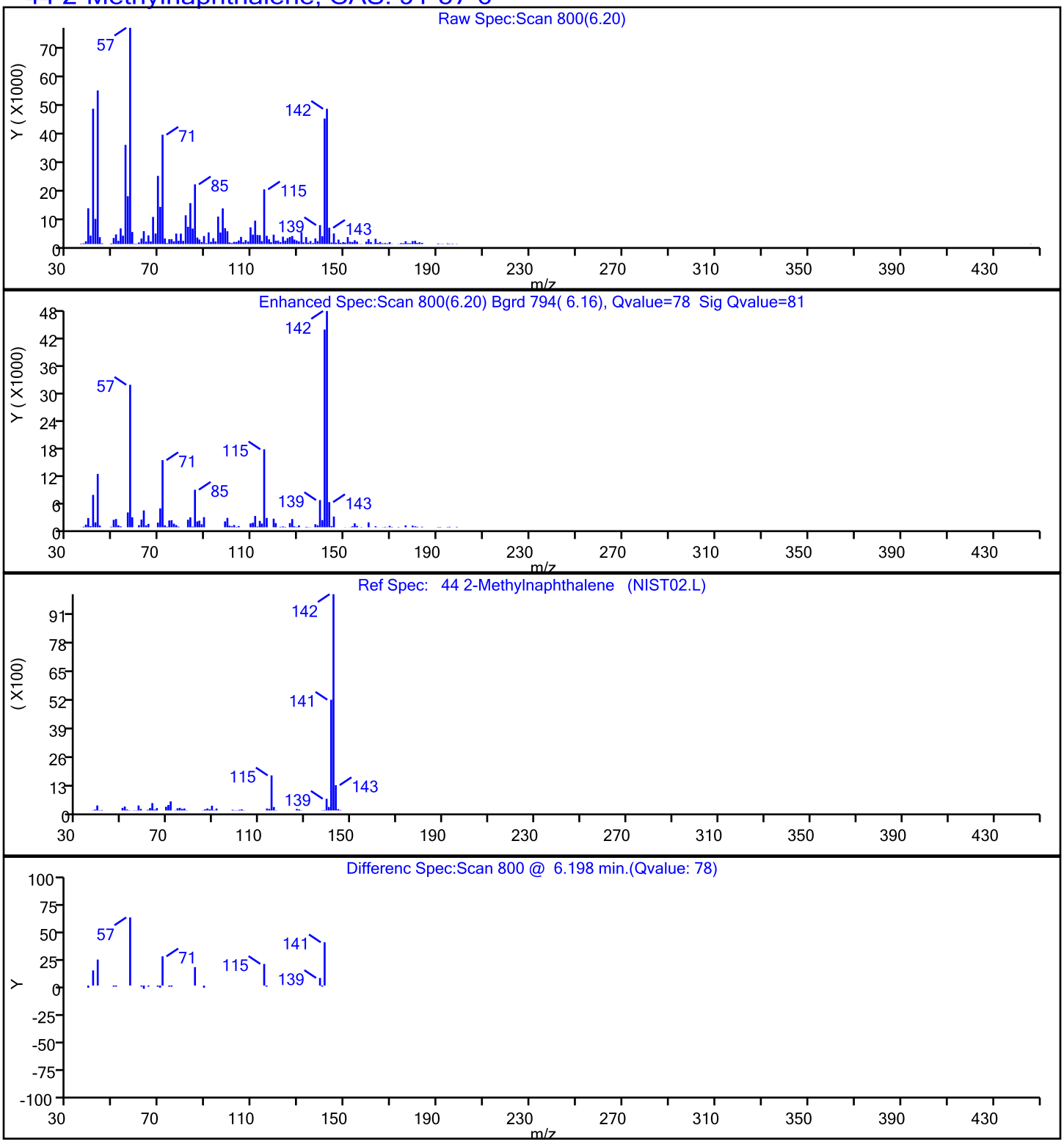
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

44 2-Methylnaphthalene, CAS: 91-57-6



Manual Integration/User Assign Peak Report

Eurofins Edison

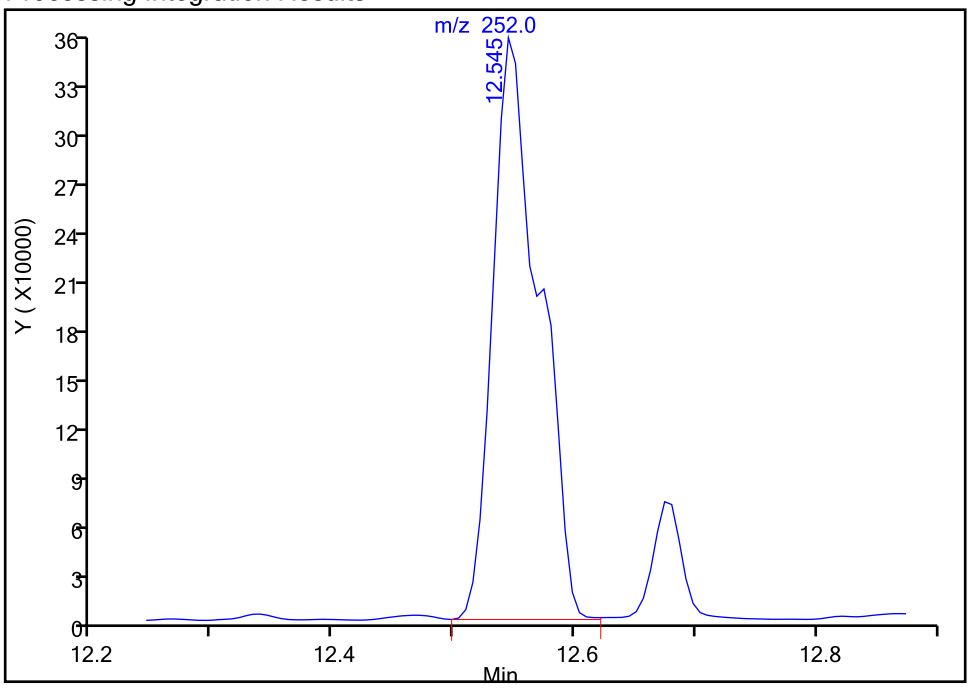
Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42514.d				
Injection Date:	30-Jun-2022 02:19:30	Instrument ID:	CBNAMS5		
Lims ID:	460-260852-A-17-D	Lab Sample ID:	460-260852-17		
Client ID:	BHP-HA08-COMP-S001				
Operator ID:		ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

106 Benzo[b]fluoranthene, CAS: 205-99-2

Signal: 1

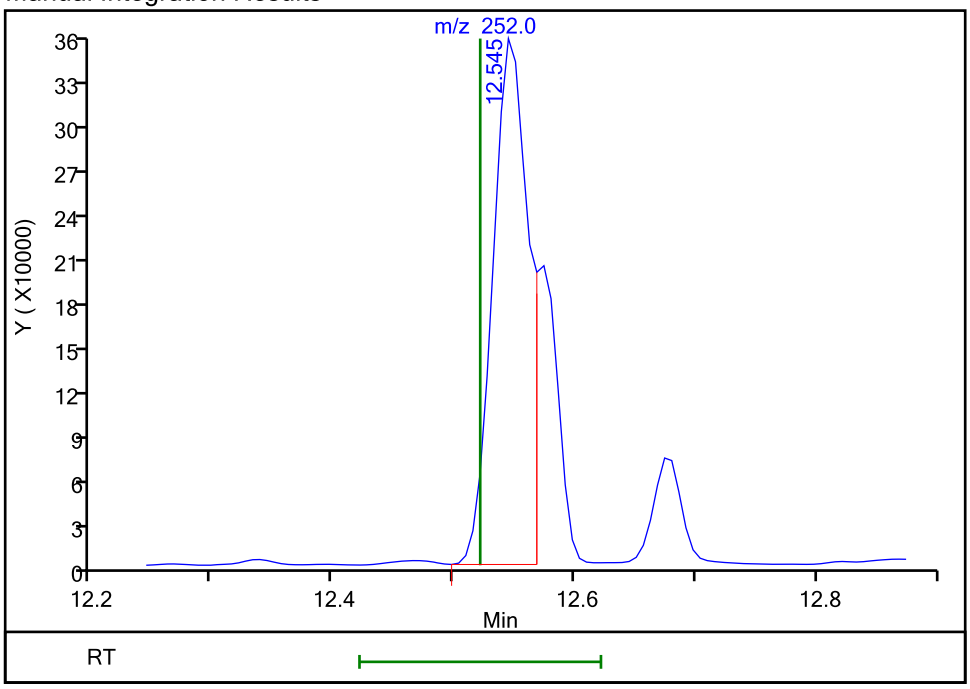
Processing Integration Results

RT: 12.54
Area: 936688
Amount: 61.760553
Amount Units: ug/ml



Manual Integration Results

RT: 12.54
Area: 736343
Amount: 48.550799
Amount Units: ug/ml



Reviewer: maheseep, 30-Jun-2022 16:30:36

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Edison

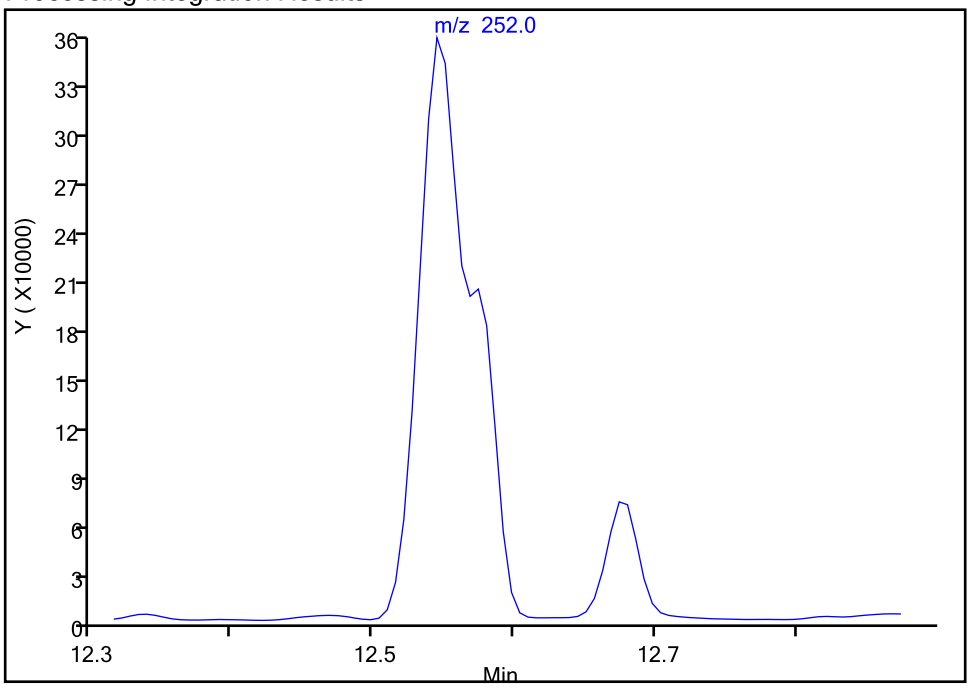
Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42514.d				
Injection Date:	30-Jun-2022 02:19:30	Instrument ID:	CBNAMS5		
Lims ID:	460-260852-A-17-D	Lab Sample ID:	460-260852-17		
Client ID:	BHP-HA08-COMP-S001				
Operator ID:		ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

107 Benzo[k]fluoranthene, CAS: 207-08-9

Signal: 1

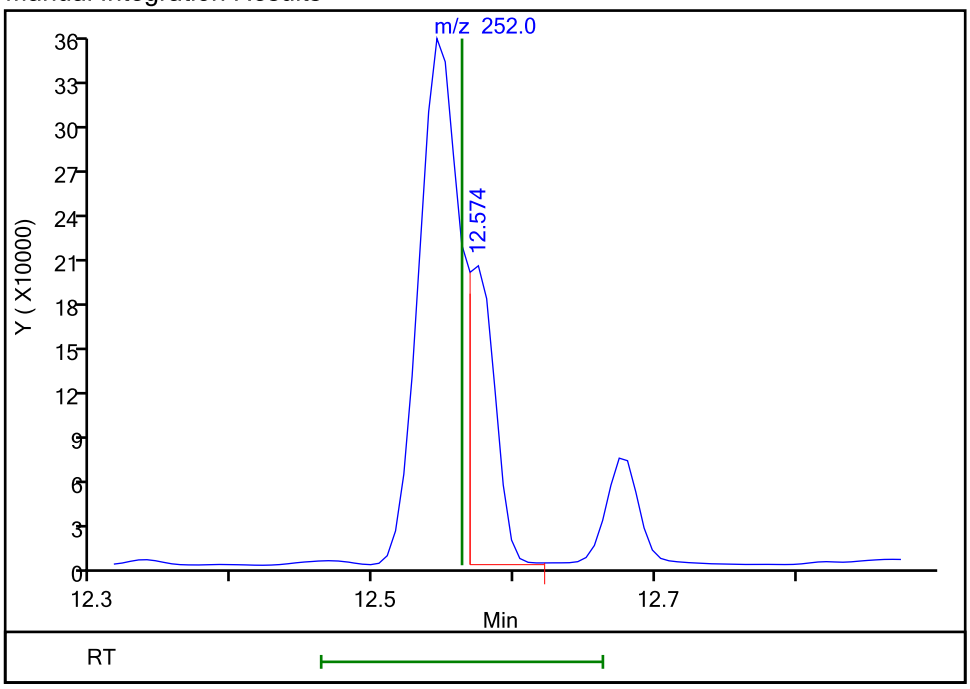
Not Detected
Expected RT: 12.56

Processing Integration Results



Manual Integration Results

RT: 12.57
Area: 268758
Amount: 17.588645
Amount Units: ug/ml



Reviewer: maheseep, 30-Jun-2022 16:30:44
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins Edison

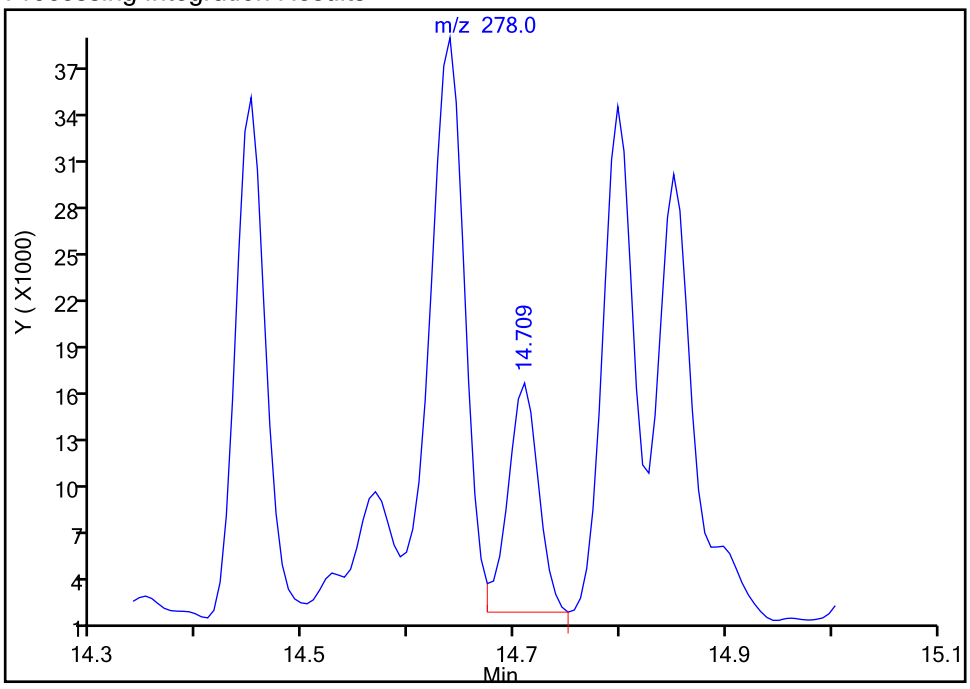
Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42514.d				
Injection Date:	30-Jun-2022 02:19:30	Instrument ID:	CBNAMS5		
Lims ID:	460-260852-A-17-D	Lab Sample ID:	460-260852-17		
Client ID:	BHP-HA08-COMP-S001				
Operator ID:		ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

111 Dibenz(a,h)anthracene, CAS: 53-70-3

Signal: 1

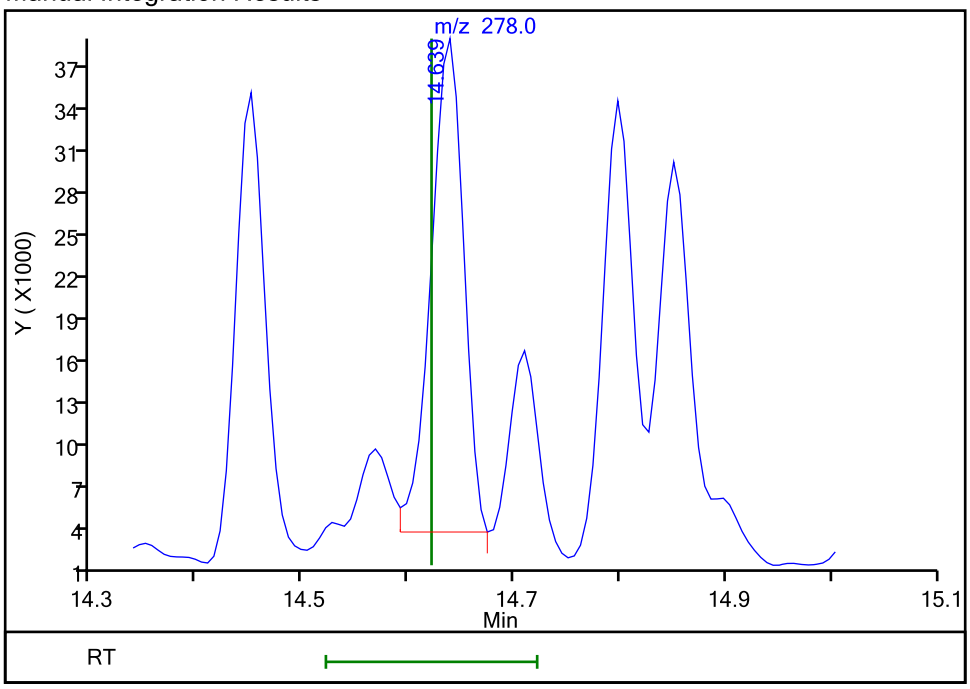
Processing Integration Results

RT: 14.71
Area: 29584
Amount: 1.876571
Amount Units: ug/ml



Manual Integration Results

RT: 14.64
Area: 74948
Amount: 4.754098
Amount Units: ug/ml



Reviewer: maheseep, 30-Jun-2022 16:30:50
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Edison

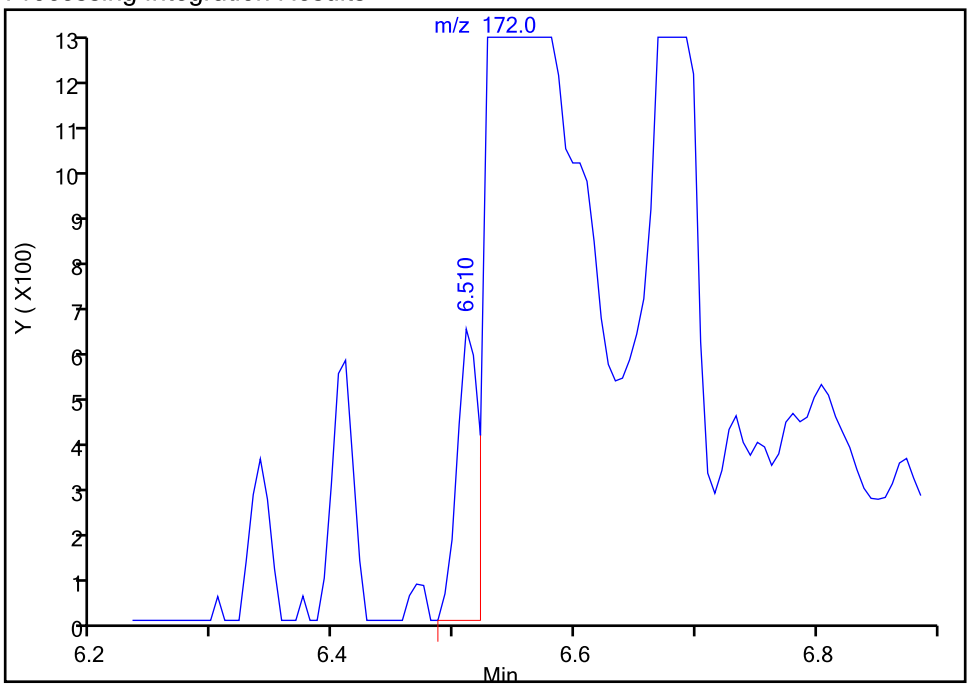
Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42514.d				
Injection Date:	30-Jun-2022 02:19:30	Instrument ID:	CBNAMS5		
Lims ID:	460-260852-A-17-D	Lab Sample ID:	460-260852-17		
Client ID:	BHP-HA08-COMP-S001				
Operator ID:		ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

$ 51 2-Fluorobiphenyl, CAS: 321-60-8

Signal: 1

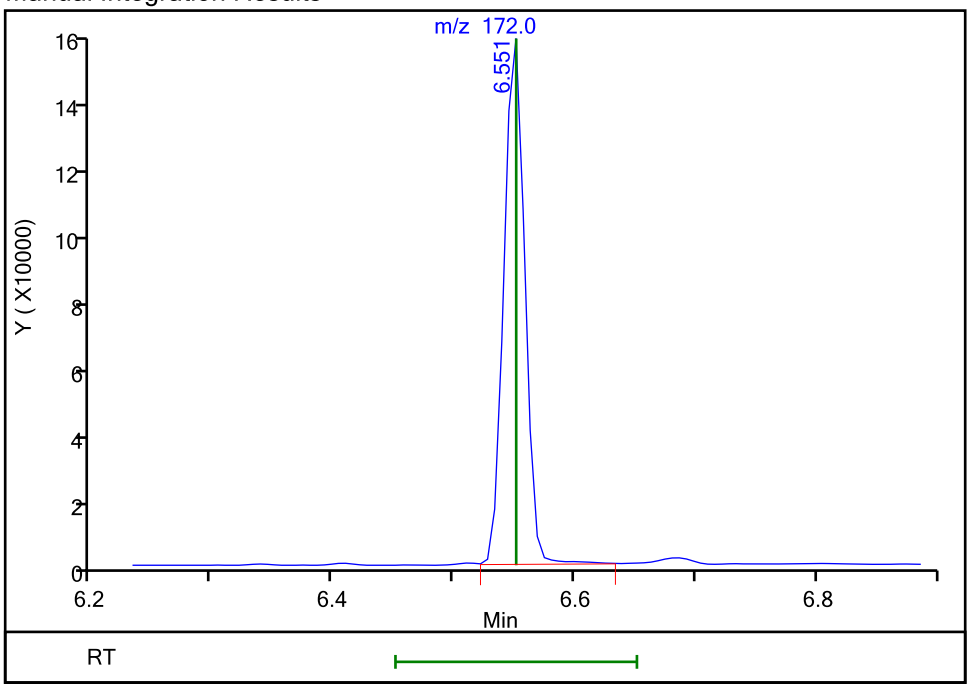
Processing Integration Results

RT: 6.51
Area: 804
Amount: 0.080133
Amount Units: ug/ml



Manual Integration Results

RT: 6.55
Area: 184162
Amount: 18.355116
Amount Units: ug/ml



Reviewer: maheseep, 30-Jun-2022 16:30:22

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-260852-1 Analy Batch No.: 836322

SDG No.:

Instrument ID: CBNAMS15 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/30/2022 08:33 Calibration End Date: 03/30/2022 10:52 Calibration ID: 90147

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD05 460-836322/10	f460653.D
Level 2	STD1 460-836322/9	f460652.D
Level 3	STD2 460-836322/8	f460651.D
Level 4	STD5 460-836322/7	f460650.D
Level 5	STD10 460-836322/6	f460649.D
Level 6	STD20 460-836322/5	f460648.D
Level 7	ICIS 460-836322/2	f460645.D
Level 8	STD80 460-836322/4	f460647.D
Level 9	STD120 460-836322/3	f460646.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		B	M1	M2								
1,4-Dioxane	0.6008 0.5056	0.4546 0.5270	0.5010 0.5314	0.5513 0.5173	0.5393	Ave		0.5254			0.0500	7.6		30.0			
N-Nitrosodimethylamine	0.7524	0.7828	0.7822	0.8104 0.7743	0.7879	Ave		0.7816			0.0500	2.4		30.0			
Pyridine	1.3072	1.3619 1.2430	1.3249 1.3366	1.3952 1.3299	1.3879	Ave		1.3358			0.0500	3.6		30.0			
Benzaldehyde	1.0152	1.2832 +++++	1.1936 +++++	1.1345 +++++	1.0753	Ave		1.1404			0.0500	9.1		30.0			
Phenol	1.6327	1.6723	1.7097	1.7405 1.6897	1.7148	Ave		1.6933			0.0500	2.2		30.0			
Aniline	1.9563	1.9940	2.0118	2.0332 2.0337	2.0896	Ave		2.0198			0.0500	2.2		30.0			
Bis(2-chloroethyl)ether	1.3728 1.3236	1.3065 1.3512	1.3522 1.3463	1.4275 1.3378	1.3908	Ave		1.3565			0.0500	2.7		30.0			
2-Chlorophenol	1.3728	1.3885	1.4074	1.4001 1.3917	1.4292	Ave		1.3983			0.0500	1.4		30.0			
n-Decane	1.5728	1.6561	1.6490	1.6607 1.6601	1.6533	Ave		1.6420			0.0500	2.1		30.0			
1,3-Dichlorobenzene	1.4674	1.4947	1.5044	1.5710 1.4984	1.5477	Ave		1.5139			0.0500	2.5		30.0			
1,4-Dichlorobenzene	1.5001	1.5280	1.5292	1.6075 1.5336	1.5785	Ave		1.5462			0.0500	2.5		30.0			
Benzyl alcohol	0.8936	0.9210	0.9291	0.9268 0.9186	0.9523	Ave		0.9236			0.0500	2.1		30.0			

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 Edison Job No.: 460-260852-1 Analy Batch No.: 836322

SDG No.:

Instrument ID: CBNAMS15 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/30/2022 08:33 Calibration End Date: 03/30/2022 10:52 Calibration ID: 90147

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		B	M1	M2								
1,2-Dichlorobenzene	1.4113	1.4271	1.4734	1.4736 1.4254	1.5112	Ave		1.4537			0.0500	2.6		30.0			
2-Methylphenol	1.1964	1.2210	1.2533	1.2762 1.2397	1.2425	Ave		1.2382			0.0500	2.2		30.0			
2,2'-oxybis[1-chloropropane]	1.9735	2.0865	1.9976	2.0308 1.9901	2.0125	Ave		2.0152			0.0500	2.0		30.0			
Acetophenone	1.9420	2.0149	2.0294	2.0753 1.9872	2.0456	Ave		2.0158			0.0500	2.3		30.0			
3 & 4 Methylphenol	1.4002	1.4293	1.4560	1.4260 1.4270	1.4362	Ave		1.4291			0.0500	1.3		30.0			
4-Methylphenol	1.4002	1.4293	1.4560	1.4260 1.4270	1.4362	Ave		1.4291			0.0500	1.3		30.0			
N-Nitrosodi-n-propylamine	0.9887 0.8579	0.8713 0.9135	0.8491 0.8817	0.8885 0.8710	0.8937	Ave		0.8906			0.0500	4.7		30.0			
Hexachloroethane	0.5897 0.5930	0.6119 0.6157	0.5739 0.6191	0.6165 0.6091	0.6222	Ave		0.6057			0.0500	2.7		30.0			
Nitrobenzene	0.5564 0.6656	0.6442 0.7009	0.6387 0.7035	0.7102 0.6933	0.6829	Ave		0.6662			0.0500	7.3		30.0			
n,n'-Dimethylaniline	2.2391 2.1064	2.0883 2.1988	2.0750 2.2394	2.1589 2.2545	2.1089	Ave		2.1633			0.0500	3.3		30.0			
Isophorone	0.6768	0.6894	0.6752 0.6892	0.7077 0.6779	0.7036	Ave		0.6886			0.0500	1.9		30.0			
2-Nitrophenol	0.1834	0.1866	0.1927	0.1720 0.1910	0.1893	Ave		0.1858			0.0500	4.0		30.0			
2,4-Dimethylphenol	0.3052	0.3092	0.3121	0.3054 0.3100	0.3143	Ave		0.3094			0.0500	1.2		30.0			
Bis(2-chloroethoxy)methane	0.4119	0.4207	0.4271	0.4330 0.4196	0.4476	Ave		0.4266			0.0500	2.9		30.0			
Benzoic acid	0.2079	0.2217	0.2190	0.1680 0.2353	0.1800	Ave		0.2053			0.0500	12.7		30.0			
2,4-Dichlorophenol	0.2829	0.2882	0.2678 0.2953	0.2954 0.2912	0.3044	Ave		0.2893			0.0500	4.0		30.0			
1,2,4-Trichlorobenzene	0.2805 0.3008	0.3120 0.3183	0.2987 0.3078	0.3111 0.3074	0.3104	Ave		0.3052			0.0500	3.6		30.0			
Naphthalene	1.0127	1.0341	1.0281	1.0419 1.0174	1.0546	Ave		1.0315			0.0500	1.5		30.0			

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 Edison Job No.: 460-260852-1 Analy Batch No.: 836322

SDG No.:

Instrument ID: CBNAMS15 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/30/2022 08:33 Calibration End Date: 03/30/2022 10:52 Calibration ID: 90147

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		B	M1	M2								
4-Chloroaniline	0.4397	0.4438	0.4432	0.4474 0.4446	0.4502	Ave		0.4448			0.0500	0.8		30.0			
2,6-Dichlorophenol						None											
Hexachlorobutadiene	0.1842	0.2076 0.1837	0.1742 0.1887	0.1803 0.1854	0.1982	Ave		0.1878			0.0500	5.6		30.0			
Caprolactam	0.1059	0.1004 0.1323	0.0973 0.1401	0.0979 0.1455	0.0979	Ave		0.1147			0.0500	18.2		30.0			
4-Chloro-3-methylphenol	0.2903	0.2992	0.3007	0.3048 0.2995	0.2987	Ave		0.2988			0.0500	1.6		30.0			
2-Methylnaphthalene	0.6830	0.6964	0.7194	0.7133 0.7172	0.7226	Ave		0.7087			0.0500	2.2		30.0			
1-Methylnaphthalene	0.6342	0.6420	0.6528	0.6724 0.6549	0.6671	Ave		0.6539			0.0500	2.2		30.0			
Hexachlorocyclopentadiene	0.3239	0.3804	0.3891	0.2906 0.3968	0.3182	Ave		0.3499			0.0500	12.7		30.0			
2-tertbutyl-4-methylphenol	0.4397	0.4450	0.4568	0.4271 0.4613	0.4239	Ave		0.4423			0.0500	3.4		30.0			
2,4,6-Trichlorophenol	0.3679	0.4033	0.3060 0.3927	0.3631 0.3774	0.3782	Ave		0.3698			0.0500	8.5		30.0			
2,4,5-Trichlorophenol	0.3923	0.4350	0.4127	0.4082 0.4128	0.4004	Ave		0.4102			0.0500	3.5		30.0			
1,1'-Biphenyl	1.3899	1.5422	1.4736	1.4453 1.4676	1.4448	Ave		1.4606			0.0500	3.4		30.0			
2-Chloronaphthalene	1.0843	1.1853	1.1331	1.1305 1.1178	1.1150	Ave		1.1277			0.0500	2.9		30.0			
Phenyl ether	0.7903	0.8218	0.8214	0.7865 0.8424	0.7660	Ave		0.8047			0.0500	3.5		30.0			
2-Nitroaniline	0.4463	0.5085	0.4817	0.4484 0.4754	0.4520	Ave		0.4687			0.0500	5.2		30.0			
1,3-Dimethylnaphthalene	0.9061	1.0107	0.9589	0.8930 0.9603	0.8834	Ave		0.9354			0.0500	5.3		30.0			
Dimethyl phthalate	1.2420	1.3983	1.2985	1.2882 1.2900	1.2922	Ave		1.3015			0.0500	4.0		30.0			
Coumarin	0.2635	0.2686	0.2700	0.2498 0.2733	0.2596	Ave		0.2642			0.0500	3.2		30.0			

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 Edison Job No.: 460-260852-1 Analy Batch No.: 836322

SDG No.:

Instrument ID: CBNAMS15 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/30/2022 08:33 Calibration End Date: 03/30/2022 10:52 Calibration ID: 90147

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		B	M1	M2								
2,6-Dinitrotoluene	0.2899	0.2221 0.3101	0.2437 0.2944	0.2711 0.2913	0.2882	Ave		0.2764			0.0500	10.6		30.0			
Acenaphthylene	1.7533	1.7995	1.8283	1.7998 1.8160	1.8201	Ave		1.8028			0.0500	1.5		30.0			
3-Nitroaniline	0.3170	0.3533	0.3309	0.3435 0.3266	0.3307	Ave		0.3337			0.0500	3.9		30.0			
Acenaphthene	1.0032	1.1024	1.0513	1.0195 1.0403	1.0266	Ave		1.0406			0.0500	3.3		30.0			
3,5-di-tert-butyl-4-hydroxytol	0.9800	1.0376	1.0225	0.9483 1.0190	0.9503	Ave		0.9929			0.0500	3.9		30.0			
2,4-Dinitrophenol	0.1406	0.1686	0.0487 0.1802	0.0946 0.1807	0.1233	Lin1	-0.727	0.1801			0.0500	15.0					
4-Nitrophenol	0.2618	0.2960	0.2803	0.2505 0.2764	0.2622	Ave		0.2712			0.0500	6.0		30.0			
2,4-Dinitrotoluene	0.3733	0.2976 0.4309	0.3040 0.4083	0.3711 0.3990	0.3898	Ave		0.3718			0.0500	12.9		30.0			
Dibenzofuran	1.5236	1.6807	1.5902	1.6057 1.5527	1.5998	Ave		1.5921			0.0500	3.4		30.0			
Diethyl phthalate	1.2662	1.4090	1.3123	1.2945 1.3112	1.3094	Ave		1.3171			0.0500	3.7		30.0			
Fluorene	1.2129	1.3363	1.2950	1.2806 1.2832	1.2599	Ave		1.2780			0.0500	3.2		30.0			
4-Chlorophenyl phenyl ether	0.6008	0.6464	0.6126	0.6254 0.6041	0.6116	Ave		0.6168			0.0500	2.7		30.0			
4-Nitroaniline	0.3293	0.3348	0.3223	0.3357 0.3126	0.3319	Ave		0.3278			0.0500	2.7		30.0			
4,6-Dinitro-2-methylphenol	0.1077	0.1213	0.0598 0.1258	0.0901 0.1250	0.1032	Lin2	-0.259	0.1212			0.0500				0.9970		0.9900
N-Nitrosodiphenylamine	0.5078	0.5407	0.5275	0.5287 0.5174	0.5286	Ave		0.5251			0.0500	2.1		30.0			
1,2-Diphenylhydrazine	0.7304	0.8069	0.7606	0.7690 0.7551	0.7629	Ave		0.7642			0.0500	3.3		30.0			
4-Bromophenyl phenyl ether	0.2034	0.2202	0.2158	0.2038 0.2121	0.2110	Ave		0.2110			0.0500	3.1		30.0			
Hexachlorobenzene	0.2383 0.2531	0.2684 0.2685	0.2402 0.2662	0.2630 0.2604	0.2648	Ave		0.2581			0.0500	4.5		30.0			

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 Edison Job No.: 460-260852-1 Analy Batch No.: 836322

SDG No.:

Instrument ID: CBNAMS15 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/30/2022 08:33 Calibration End Date: 03/30/2022 10:52 Calibration ID: 90147

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		B	M1	M2								
Atrazine	0.2017	0.2018 0.2200	0.1930 0.2088	0.1890 0.1991	0.1899	Ave		0.2004			0.0500	5.2		30.0			
Pentachlorophenol	0.1569	0.1730	0.1240 0.1712	0.1503 0.1706	0.1549	Ave		0.1573			0.0500	11.0		30.0			
Pentachloronitrobenzene	0.1000	0.1068	0.1075	0.0938 0.1077	0.0930	Ave		0.1015			0.0500	6.7		30.0			
n-Octadecane	0.5638	0.6505	0.6226	0.5459 0.6279	0.5673	Ave		0.5963			0.0500	7.1		30.0			
Phenanthrene	1.0075	1.0831	1.0473	1.0494 1.0374	1.0356	Ave		1.0434			0.0500	2.4		30.0			
Anthracene	1.0363	1.1163	1.0853	1.0137 1.0726	1.0612	Ave		1.0642			0.0500	3.4		30.0			
Carbazole	0.9454	1.0168	0.9902	0.9563 0.9771	1.0066	Ave		0.9821			0.0500	2.8		30.0			
Di-n-butyl phthalate	1.2095	1.3513	1.2920	1.1740 1.2860	1.2298	Ave		1.2571			0.0500	5.1		30.0			
Fluoranthene	1.0663	1.2160	1.1500	1.0654 1.1435	1.0936	Ave		1.1225			0.0500	5.2		30.0			
Benzidine	0.5615	0.6337	0.6474	0.5422 0.6640	0.5571	Ave		0.6010			0.0500	8.9		30.0			
Pyrene	1.2045	1.3503	1.2754	1.2272 1.2363	1.2487	Ave		1.2571			0.0500	4.1		30.0			
Butyl benzyl phthalate	0.5528	0.6399	0.6075	0.5556 0.5939	0.5626	Ave		0.5854			0.0500	5.9		30.0			
2,3,7,8-TCDD		0.2042				Ave		0.2042			0.0500			30.0			
3,3'-Dichlorobenzidine	0.4390	0.5425	0.4113 0.4890	0.4313 0.4915	0.4349	Ave		0.4628			0.0500	10.0		30.0			
Benzo[a]anthracene	1.2828 1.1538	1.2168 1.2862	1.1343 1.2422	1.1755 1.2312	1.1831	Ave		1.2118			0.0500	4.5		30.0			
Chrysene	1.1503	1.2783	1.2102	1.2254 1.1701	1.2168	Ave		1.2085			0.0500	3.7		30.0			
Bis(2-ethylhexyl) phthalate	0.8205	0.9426	0.8922	0.8306 0.8765	0.8526	Ave		0.8692			0.0500	5.2		30.0			
Di-n-octyl phthalate	1.3438	1.5542	1.4792	1.2530 1.5035	1.3376	Ave		1.4119			0.0500	8.3		30.0			

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 Edison Job No.: 460-260852-1 Analy Batch No.: 836322

SDG No.:

Instrument ID: CBNAMS15 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/30/2022 08:33 Calibration End Date: 03/30/2022 10:52 Calibration ID: 90147

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		B	M1	M2								
Benzo[b]fluoranthene	0.8385 1.0351	0.8359 1.1635	0.8493 1.1560	0.9739 1.2484	1.0310	Ave		1.0146			0.0500	15.2		30.0			
Benzo[k]fluoranthene	1.1409 1.2228	1.1892 1.3224	1.1011 1.2350	1.2001 1.1800	1.2501	Ave		1.2046			0.0500	5.3		30.0			
Benzo[a]pyrene	0.8502 1.0470	0.8690 1.2025	0.9202 1.1419	0.9936 1.1485	1.0658	Ave		1.0265			0.0500	12.4		30.0			
Indeno[1,2,3-cd]pyrene	0.4548 0.9536	0.5588 1.0913	0.6165 1.0398	0.7382 1.1320	0.8553	Ave		0.8267			0.0500	29.9		30.0			
Dibenz(a,h)anthracene	0.5756 1.0224	0.7772 1.1832	0.8238 1.1670	0.9272 1.1784	0.9987	Ave		0.9615			0.0500	21.6		30.0			
Benzo[g,h,i]perylene	1.0709	1.1954	1.1418	1.0408 1.1494	1.0843	Ave		1.1138			0.0500	5.2		30.0			
2-Fluorophenol (Surr)	1.3601	1.5549 1.3546	1.7064 1.3806	1.3396 1.3791	1.3011	Ave		1.4221			0.0500	9.7		30.0			
Phenol-d5 (Surr)	1.7292 1.6686	1.8962 1.6863	2.0546 1.7224	1.6438 1.7142	1.5775	Ave		1.7436			0.0500	8.3		30.0			
Nitrobenzene-d5 (Surr)	0.4319 0.3990	0.4232 0.3933	0.4687 0.3992	0.3881 0.3980	0.3699	Ave		0.4079			0.0500	7.2		30.0			
2-Fluorobiphenyl	1.5173 1.3518	1.5069 1.4263	1.6359 1.3820	1.3561 1.3801	1.2488	Ave		1.4228			0.0500	8.0		30.0			
2,4,6-Tribromophenol (Surr)	0.2645	0.2477 0.2792	0.2855 0.2733	0.2582 0.2752	0.2400	Ave		0.2654			0.0500	6.0		30.0			
Terphenyl-d14 (Surr)	1.0025 1.0423	1.1172 1.1102	1.2260 1.0569	0.9953 1.0567	0.9653	Ave		1.0636			0.0500	7.4		30.0			

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 Edison Job No.: 460-260852-1 Analy Batch No.: 836322

SDG No.:

Instrument ID: CBNAMS15 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/30/2022 08:33 Calibration End Date: 03/30/2022 10:52 Calibration ID: 90147

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD05 460-836322/10	f460653.D
Level 2	STD1 460-836322/9	f460652.D
Level 3	STD2 460-836322/8	f460651.D
Level 4	STD5 460-836322/7	f460650.D
Level 5	STD10 460-836322/6	f460649.D
Level 6	STD20 460-836322/5	f460648.D
Level 7	ICIS 460-836322/2	f460645.D
Level 8	STD80 460-836322/4	f460647.D
Level 9	STD120 460-836322/3	f460646.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
1,4-Dioxane	DCBd 4	Ave	1084	1661	3682	10142	21123	0.500	1.00	2.00	5.00	10.0
			39714	98976	166361	235778		20.0	50.0	80.0	120	
N-Nitrosodimethylamine	DCBd 4	Ave				14908	30859				5.00	10.0
			59095	147000	244859	352935		20.0	50.0	80.0	120	
Pyridine	DCBd 4	Ave		9953	19474	51331	108719		2.00	4.00	10.0	20.0
			205341	466865	836878	1212365		40.0	100	160	240	
Benzaldehyde	DCBd 4	Ave		4689	8772	20870	42118		1.00	2.00	5.00	10.0
			63792	+++++	+++++	+++++		16.0	+++++	+++++	+++++	
Phenol	DCBd 4	Ave				32019	67166				5.00	10.0
			128241	314061	535224	770205		20.0	50.0	80.0	120	
Aniline	DCBd 4	Ave				37403	81846				5.00	10.0
			153655	374459	629813	926967		20.0	50.0	80.0	120	
Bis(2-chloroethyl)ether	DCBd 4	Ave	2477	4774	9938	26260	54476	0.500	1.00	2.00	5.00	10.0
			103963	253752	421477	609791		20.0	50.0	80.0	120	
2-Chlorophenol	DCBd 4	Ave				25757	55977				5.00	10.0
			107824	260758	440597	634358		20.0	50.0	80.0	120	

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison Job No.: 460-260852-1 Analy Batch No.: 836322

SDG No.:

Instrument ID: CBNAMS15 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/30/2022 08:33 Calibration End Date: 03/30/2022 10:52 Calibration ID: 90147

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
n-Decane	DCBd 4	Ave	123532	311003	516235	30551 756711	64757	20.0	50.0	80.0	5.00 120	10.0
1,3-Dichlorobenzene	DCBd 4	Ave	115257	280708	470963	28900 682985	60619	20.0	50.0	80.0	5.00 120	10.0
1,4-Dichlorobenzene	DCBd 4	Ave	117822	286960	478734	29571 699057	61828	20.0	50.0	80.0	5.00 120	10.0
Benzyl alcohol	DCBd 4	Ave	70185	172966	290853	17050 418709	37300	20.0	50.0	80.0	5.00 120	10.0
1,2-Dichlorobenzene	DCBd 4	Ave	110846	268000	461241	27109 649731	59190	20.0	50.0	80.0	5.00 120	10.0
2-Methylphenol	DCBd 4	Ave	93972	229308	392363	23477 565067	48668	20.0	50.0	80.0	5.00 120	10.0
2,2'-oxybis[1-chloropropane]	DCBd 4	Ave	155006	391846	625344	37358 907123	78826	20.0	50.0	80.0	5.00 120	10.0
Acetophenone	DCBd 4	Ave	152535	378396	635314	38177 905801	80123	20.0	50.0	80.0	5.00 120	10.0
3 & 4 Methylphenol	DCBd 4	Ave	109981	268410	455804	26232 650460	56254	20.0	50.0	80.0	5.00 120	10.0
4-Methylphenol	DCBd 4	Ave	109981	268410	455804	26232 650460	56254	20.0	50.0	80.0	5.00 120	10.0
N-Nitrosodi-n-propylamine	DCBd 4	Ave	1784 67385	3184 171548	6240 276017	16345 397025	35006	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Hexachloroethane	DCBd 4	Ave	1064 46579	2236 115620	4218 193822	11341 277648	24372	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison Job No.: 460-260852-1 Analy Batch No.: 836322

SDG No.:

Instrument ID: CBNAMS15 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/30/2022 08:33 Calibration End Date: 03/30/2022 10:52 Calibration ID: 90147

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Nitrobenzene	DCBd 4	Ave	1004 52280	2354 131625	4694 220230	13065 316038	26748	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
n,n'-Dimethylaniline	DCBd 4	Ave	4040 165447	7631 412929	15250 701049	39716 1027647	82601	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Isophorone	NPT	Ave	205974	506068	19466 840244	51364 1196051	106981	20.0	50.0	2.00 80.0	5.00 120	10.0
2-Nitrophenol	NPT	Ave	55815	136961	234867	12484 336966	28788	20.0	50.0	80.0	5.00 120	10.0
2,4-Dimethylphenol	NPT	Ave	92873	226969	380498	22165 546942	47782	20.0	50.0	80.0	5.00 120	10.0
Bis(2-chloroethoxy)methane	NPT	Ave	125353	308802	520716	31425 740299	68055	20.0	50.0	80.0	5.00 120	10.0
Benzoic acid	NPT	Ave	63259	162736	266956	12196 415092	27363	20.0	50.0	80.0	5.00 120	10.0
2,4-Dichlorophenol	NPT	Ave	86094	211542	7721 360052	21442 513771	46283	20.0	50.0	2.00 80.0	5.00 120	10.0
1,2,4-Trichlorobenzene	NPT	Ave	2018 91536	4499 233660	8612 375286	22578 542397	47189	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Naphthalene	NPT	Ave	308209	759114	1253396	75617 1795016	160336	20.0	50.0	80.0	5.00 120	10.0
4-Chloroaniline	NPT	Ave	133809	325752	540272	32473 784361	68454	20.0	50.0	80.0	5.00 120	10.0
2,6-Dichlorophenol		None	86833	213341	7750 352425	21156 501951	45473	20.0	50.0	2.00 80.0	5.00 120	10.0
Hexachlorobutadiene	NPT	Ave	56062	2993 134836	5022 230101	13088 327125	30133	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Caprolactam	NPT	Ave	25795	1447 38846	2806 51243	7108 68460	14882	16.0	1.00 20.0	2.00 24.0	5.00 32.0	10.0
4-Chloro-3-methylphenol	NPT	Ave	88342	219604	366535	22119 528375	45416	20.0	50.0	80.0	5.00 120	10.0
2-Methylnaphthalene	NPT	Ave	207882	511164	877014	51769 1265451	109868	20.0	50.0	80.0	5.00 120	10.0
1-Methylnaphthalene	NPT	Ave	193006	471288	795801	48801 1155383	101430	20.0	50.0	80.0	5.00 120	10.0

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison Job No.: 460-260852-1 Analy Batch No.: 836322

SDG No.:

Instrument ID: CBNAMS15 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/30/2022 08:33 Calibration End Date: 03/30/2022 10:52 Calibration ID: 90147

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Hexachlorocyclopentadiene	ANT	Ave	58469	152259	274324	12512 406308	28998	20.0	50.0	80.0	5.00 120	10.0
2-tertbutyl-4-methylphenol	NPT	Ave	133812	326629	556875	30995 813856	64453	20.0	50.0	80.0	5.00 120	10.0
2,4,6-Trichlorophenol	ANT	Ave	66411	161427	5232 276828	15633 386465	34470	20.0	50.0	2.00 80.0	5.00 120	10.0
2,4,5-Trichlorophenol	ANT	Ave	70813	174111	290962	17574 422630	36494	20.0	50.0	80.0	5.00 120	10.0
1,1'-Biphenyl	ANT	Ave	250866	617285	1038794	62220 1502703	131676	20.0	50.0	80.0	5.00 120	10.0
2-Chloronaphthalene	ANT	Ave	195712	474422	798742	48671 1144508	101617	20.0	50.0	80.0	5.00 120	10.0
Phenyl ether	ANT	Ave	142644	328940	579047	33859 862561	69812	20.0	50.0	80.0	5.00 120	10.0
2-Nitroaniline	ANT	Ave	80556	203554	339593	19306 486764	41191	20.0	50.0	80.0	5.00 120	10.0
1,3-Dimethylnaphthalene	ANT	Ave	163548	404551	675976	38443 983241	80509	20.0	50.0	80.0	5.00 120	10.0
Dimethyl phthalate	ANT	Ave	224174	559677	915373	55459 1320818	117762	20.0	50.0	80.0	5.00 120	10.0
Coumarin	NPT	Ave	80190	197205	329186	18132 482264	39473	20.0	50.0	80.0	5.00 120	10.0
2,6-Dinitrotoluene	ANT	Ave	52322	1899 124139	4166 207542	11672 298261	26264	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Acenaphthylene	ANT	Ave	316452	720268	1288865	77484 1859433	165877	20.0	50.0	80.0	5.00 120	10.0
3-Nitroaniline	ANT	Ave	57216	141426	233276	14787 334407	30141	20.0	50.0	80.0	5.00 120	10.0
Acenaphthene	ANT	Ave	181072	441258	741141	43893 1065217	93563	20.0	50.0	80.0	5.00 120	10.0
3,5-di-tert-butyl-4-hydroxytol	ANT	Ave	176888	415312	720780	40826 1043335	86608	20.0	50.0	80.0	5.00 120	10.0
2,4-Dinitrophenol	ANT	Lin1	50744	134934	1665 254068	8146 369991	22479	40.0	100	4.00 160	10.0 240	20.0
4-Nitrophenol	ANT	Ave	94490	236939	395133	21566 565921	47791	40.0	100	160	10.0 240	20.0

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison Job No.: 460-260852-1 Analy Batch No.: 836322

SDG No.:

Instrument ID: CBNAMS15 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/30/2022 08:33 Calibration End Date: 03/30/2022 10:52 Calibration ID: 90147

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
2,4-Dinitrotoluene	ANT	Ave	67375	2545 172474	5197 287845	15975 408555	35527	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Dibenzofuran	ANT	Ave	275001	672747	1121002	69127 1589807	145799	20.0	50.0	80.0	5.00 120	10.0
Diethyl phthalate	ANT	Ave	228537	563978	925138	55731 1342542	119332	20.0	50.0	80.0	5.00 120	10.0
Fluorene	ANT	Ave	218914	534871	912882	55130 1313938	114823	20.0	50.0	80.0	5.00 120	10.0
4-Chlorophenyl phenyl ether	ANT	Ave	108442	258725	431857	26925 618526	55737	20.0	50.0	80.0	5.00 120	10.0
4-Nitroaniline	ANT	Ave	59430	134018	227229	14453 320086	30246	20.0	50.0	80.0	5.00 120	10.0
4,6-Dinitro-2-methylphenol	PHN	Lin2	68701	175618	3611 314726	13807 453806	33368	40.0	100	4.00 160	10.0 240	20.0
N-Nitrosodiphenylamine	PHN	Ave	161991	391476	660020	40527 939524	85414	20.0	50.0	80.0	5.00 120	10.0
1,2-Diphenylhydrazine	PHN	Ave	233020	584292	951771	58942 1371153	123275	20.0	50.0	80.0	5.00 120	10.0
4-Bromophenyl phenyl ether	PHN	Ave	64874	159461	270012	15620 385106	34092	20.0	50.0	80.0	5.00 120	10.0
Hexachlorobenzene	PHN	Ave	1788 80733	4110 194380	7256 333135	20163 472850	42782	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Atrazine	PHN	Ave	51472	3090 63724	5830 78394	14484 96427	30683	16.0	1.00 20.0	2.00 24.0	5.00 32.0	10.0
Pentachlorophenol	PHN	Ave	100090	250583	7489 428524	23038 619441	50045	40.0	100	4.00 160	10.0 240	20.0
Pentachloronitrobenzene	PHN	Ave	31907	77318	134512	7193 195526	15033	20.0	50.0	80.0	5.00 120	10.0
n-Octadecane	PHN	Ave	179873	471005	779083	41843 1140133	91678	20.0	50.0	80.0	5.00 120	10.0
Phenanthrene	PHN	Ave	321420	784228	1310508	80435 1883864	167337	20.0	50.0	80.0	5.00 120	10.0
Anthracene	PHN	Ave	330600	808289	1358010	77704 1947659	171476	20.0	50.0	80.0	5.00 120	10.0
Carbazole	PHN	Ave	301586	736250	1238994	73300 1774305	162661	20.0	50.0	80.0	5.00 120	10.0

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison Job No.: 460-260852-1 Analy Batch No.: 836322

SDG No.:

Instrument ID: CBNAMS15 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/30/2022 08:33 Calibration End Date: 03/30/2022 10:52 Calibration ID: 90147

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Di-n-butyl phthalate	PHN	Ave	385831	978432	1616682	89987 2335193	198720	20.0	50.0	80.0	5.00 120	10.0
Fluoranthene	PHN	Ave	340175	880487	1439028	81668 2076544	176713	20.0	50.0	80.0	5.00 120	10.0
Benzidine	PHN	Ave	179116	458867	810160	41563 1205794	90015	20.0	50.0	80.0	5.00 120	10.0
Pyrene	CRY	Ave	358148	894501	1491641	86003 2137953	185975	20.0	50.0	80.0	5.00 120	10.0
Butyl benzyl phthalate	CRY	Ave	164374	423912	710504	38939 1026975	83790	20.0	50.0	80.0	5.00 120	10.0
2,3,7,8-TCDD	CRY	Ave		1353					0.500			
3,3'-Dichlorobenzidine	CRY	Ave	130530	359404	11353 571863	30229 849930	64770	20.0	50.0	2.00 80.0	5.00 120	10.0
Benzo[a]anthracene	CRY	Ave	8629 343059	16516 852092	31310 1452873	82377 2129202	176209	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Chrysene	CRY	Ave	342021	846849	1415388	85877 2023370	181232	20.0	50.0	80.0	5.00 120	10.0
Bis(2-ethylhexyl) phthalate	CRY	Ave	243956	624461	1043457	58212 1515668	126987	20.0	50.0	80.0	5.00 120	10.0
Di-n-octyl phthalate	PRY	Ave	415417	1074663	1799196	92278 2632697	207382	20.0	50.0	80.0	5.00 120	10.0
Benzo[b]fluoranthene	PRY	Ave	5916 319997	11959 804528	24429 1406008	71725 2186006	159843	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Benzo[k]fluoranthene	PRY	Ave	8050 378010	17014 914380	31674 1502162	88379 2066176	193813	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Benzo[a]pyrene	PRY	Ave	5999 323669	12433 831474	26470 1388957	73172 2011081	165246	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Indeno[1,2,3-cd]pyrene	PRY	Ave	3209 294782	7995 754564	17733 1264661	54362 1982094	132605	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Dibenz(a,h)anthracene	PRY	Ave	4061 316074	11119 818113	23696 1419390	68281 2063415	154841	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Benzo[g,h,i]perylene	PRY	Ave	331048	826571	1388799	76647 2012552	168112	20.0	50.0	80.0	5.00 120	10.0
2-Fluorophenol (Surr)	DCBd 4	Ave		5682	12541	24644	50963		1.00	2.00	5.00	10.0

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison Job No.: 460-260852-1 Analy Batch No.: 836322

SDG No.:

Instrument ID: CBNAMS15 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/30/2022 08:33 Calibration End Date: 03/30/2022 10:52 Calibration ID: 90147

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
			106826	254395	432203	628591		20.0	50.0	80.0	120	
Phenol-d5 (Surr)	DCBd 4	Ave	3120 131059	6929 316679	15100 539199	30240 781364	61787	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Nitrobenzene-d5 (Surr)	NPT	Ave	3107 121433	6102 288689	13512 486629	28166 702134	56244	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
2-Fluorobiphenyl	ANT	Ave	6367 243994	12885 570903	27967 974271	58381 1413107	113812	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
2,4,6-Tribromophenol (Surr)	ANT	Ave	 47739	2118 111748	4880 192650	11114 281758	21877	 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Terphenyl-d14 (Surr)	CRY	Ave	6744 309922	15164 735440	33840 1236140	69749 1827312	143773	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0

Curve Type Legend

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD
Lin2 = Linear 1/conc^2 ISTD
None = No Calib Curve

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS15\20220330-143392.b\f460645.D
Lims ID: ICIS
Client ID:
Sample Type: ICIS Calib Level: 7
Inject. Date: 30-Mar-2022 08:33:45 ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0143392-002
Operator ID: Instrument ID: CBNAMS15
Sublist: chrom-8270_15R_9*sub17

Method: \\chromfs\Edison\ChromData\CBNAMS15\20220330-143392.b\8270_15R_9.m
Limit Group: SV 8270 DEL ICAL
Last Update: 30-Mar-2022 11:19:28 Calib Date: 30-Mar-2022 10:52:03
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS15\20220330-143392.b\f460653.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1603

First Level Reviewer: johnstonm1 Date: 30-Mar-2022 08:53:00

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.649	1.649	0.000	95	98976	50.0	50.2	
2 N-Nitrosodimethylamine	74	1.766	1.766	0.000	78	147000	50.0	50.1	
3 Pyridine	79	1.787	1.787	0.000	83	466865	100.0	93.1	
$ 5 2-Fluorophenol	112	2.417	2.417	0.000	92	254395	50.0	47.6	
7 Benzaldehyde	77	3.001	3.001	0.000	90	50464	20.0	11.8	
$ 8 Phenol-d5	99	3.033	3.033	0.000	93	316679	50.0	48.4	
9 Phenol	94	3.045	3.045	0.000	98	314061	50.0	49.4	
10 Aniline	93	3.074	3.074	0.000	12	374459	50.0	49.4	a
11 Bis(2-chloroethyl)ether	93	3.122	3.122	0.000	91	253752	50.0	49.8	
12 2-Chlorophenol	128	3.157	3.157	0.000	66	260758	50.0	49.7	
13 n-Decane	43	3.198	3.198	0.000	91	311003	50.0	50.4	
14 1,3-Dichlorobenzene	146	3.272	3.272	0.000	93	280708	50.0	49.4	
* 15 1,4-Dichlorobenzene-d4	152	3.313	3.313	0.000	97	150237	40.0	40.0	
16 1,4-Dichlorobenzene	146	3.325	3.325	0.000	93	286960	50.0	49.4	
17 Benzyl alcohol	108	3.413	3.413	0.000	90	172966	50.0	49.9	
18 1,2-Dichlorobenzene	146	3.437	3.437	0.000	89	268000	50.0	49.1	
19 2-Methylphenol	108	3.496	3.496	0.000	82	229308	50.0	49.3	
20 2,2'-oxybis[1-chloropropane]	45	3.522	3.522	0.000	92	391846	50.0	51.8	
130 N-Methylaniline	106	3.608	3.608	0.000	82	395955	NC	NC	a
21 Acetophenone	105	3.617	3.617	0.000	86	378396	50.0	50.0	
22 4-Methylphenol	108	3.617	3.617	0.000	68	268410	50.0	50.0	
23 3 & 4 Methylphenol	108	3.617	3.617	0.000	81	268410	50.0	50.0	
24 N-Nitrosodi-n-propylamine	70	3.622	3.622	0.000	90	171548	50.0	51.3	
25 Hexachloroethane	117	3.690	3.690	0.000	94	115620	50.0	50.8	
$ 26 Nitrobenzene-d5	82	3.728	3.728	0.000	92	288689	50.0	48.2	
27 Nitrobenzene	123	3.743	3.743	0.000	88	131625	50.0	52.6	
28 n,n'-Dimethylaniline	120	3.746	3.746	0.000	86	412929	50.0	50.8	
29 Isophorone	82	3.929	3.929	0.000	98	506068	50.0	50.1	
30 2-Nitrophenol	139	3.982	3.982	0.000	86	136961	50.0	50.2	
31 2,4-Dimethylphenol	122	4.023	4.023	0.000	90	226969	50.0	50.0	
32 Bis(2-chloroethoxy)methane	93	4.103	4.103	0.000	95	308802	50.0	49.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
33 Benzoic acid	122	4.121	4.121	0.000	90	162736	50.0	54.0	
34 2,4-Dichlorophenol	162	4.165	4.165	0.000	93	211542	50.0	49.8	
35 1,2,4-Trichlorobenzene	180	4.233	4.233	0.000	92	233660	50.0	52.1	
* 36 Naphthalene-d8	136	4.274	4.274	0.000	100	587248	40.0	40.0	
37 Naphthalene	128	4.291	4.291	0.000	99	759114	50.0	50.1	
38 4-Chloroaniline	127	4.339	4.339	0.000	90	325752	50.0	49.9	
39 Hexachlorobutadiene	225	4.392	4.392	0.000	95	134836	50.0	48.9	
40 Caprolactam	113	4.613	4.613	0.000	88	38846	20.0	23.1	M
41 4-Chloro-3-methylphenol	107	4.716	4.716	0.000	94	219604	50.0	50.1	
42 2-Methylnaphthalene	142	4.822	4.822	0.000	80	511164	50.0	49.1	
43 1-Methylnaphthalene	142	4.896	4.896	0.000	91	471288	50.0	49.1	
44 Hexachlorocyclopentadiene	237	4.946	4.946	0.000	86	152259	50.0	54.4	
45 1,2,4,5-Tetrachlorobenzene	216	4.949	4.949	0.000	95	235756	NC	NC	
46 2-tertbutyl-4-methylphenol	149	4.993	4.993	0.000	90	326629	50.0	50.3	
47 2,4,6-Trichlorophenol	196	5.040	5.040	0.000	88	161427	50.0	54.5	
48 2,4,5-Trichlorophenol	196	5.064	5.064	0.000	95	174111	50.0	53.0	
$ 50 2-Fluorobiphenyl	172	5.111	5.111	0.000	97	570903	50.0	50.1	
51 1,1'-Biphenyl	154	5.185	5.185	0.000	96	617285	50.0	52.8	
52 2-Chloronaphthalene	162	5.194	5.194	0.000	96	474422	50.0	52.6	
53 Phenyl ether	170	5.267	5.267	0.000	89	328940	50.0	51.1	
54 2-Nitroaniline	65	5.276	5.276	0.000	93	203554	50.0	54.2	
55 1,3-Dimethylnaphthalene	156	5.362	5.362	0.000	91	404551	50.0	54.0	
56 Dimethyl phthalate	163	5.432	5.432	0.000	96	559677	50.0	53.7	
57 Coumarin	146	5.432	5.432	0.000	70	197205	50.0	50.9	
58 2,6-Dinitrotoluene	165	5.471	5.471	0.000	76	124139	50.0	56.1	
59 Acenaphthylene	152	5.506	5.506	0.000	97	720268	50.0	49.9	
60 3-Nitroaniline	138	5.592	5.592	0.000	92	141426	50.0	52.9	
* 61 Acenaphthene-d10	164	5.612	5.612	0.000	84	320214	40.0	40.0	
62 Acenaphthene	154	5.639	5.639	0.000	94	441258	50.0	53.0	
63 3,5-di-tert-butyl-4-hydroxytol	205	5.651	5.651	0.000	94	415312	50.0	52.2	
64 2,4-Dinitrophenol	184	5.671	5.671	0.000	64	134934	100.0	97.6	
65 4-Nitrophenol	65	5.727	5.727	0.000	93	236939	100.0	109.1	
67 2,4-Dinitrotoluene	165	5.769	5.769	0.000	68	172474	50.0	58.0	
66 Dibenzofuran	168	5.772	5.772	0.000	91	672747	50.0	52.8	
68 2,3,4,6-Tetrachlorophenol	232	5.863	5.863	0.000	92	140229	NC	NC	
69 Diethyl phthalate	149	5.972	5.972	0.000	98	563978	50.0	53.5	
70 Fluorene	166	6.028	6.028	0.000	83	534871	50.0	52.3	
71 4-Chlorophenyl phenyl ether	204	6.037	6.037	0.000	85	258725	50.0	52.4	
72 4-Nitroaniline	138	6.058	6.058	0.000	43	134018	50.0	51.1	
73 4,6-Dinitro-2-methylphenol	198	6.076	6.076	0.000	74	175618	100.0	102.2	
74 N-Nitrosodiphenylamine	169	6.129	6.129	0.000	31	391476	50.0	51.5	
75 1,2-Diphenylhydrazine	77	6.158	6.158	0.000	51	584292	50.0	52.8	
$ 76 2,4,6-Tribromophenol	330	6.208	6.208	0.000	95	111748	50.0	52.6	
77 4-Bromophenyl phenyl ether	248	6.403	6.403	0.000	85	159461	50.0	52.2	
78 Hexachlorobenzene	284	6.436	6.436	0.000	88	194380	50.0	52.0	
79 Atrazine	200	6.542	6.542	0.000	88	63724	20.0	22.0	
80 Pentachlorophenol	266	6.589	6.589	0.000	88	250583	100.0	110.0	
81 Pentachloronitrobenzene	237	6.598	6.598	0.000	83	77318	50.0	52.6	
82 n-Octadecane	57	6.686	6.686	0.000	91	471005	50.0	54.5	
* 83 Phenanthrene-d10	188	6.731	6.731	0.000	99	579263	40.0	40.0	
84 Phenanthrene	178	6.748	6.748	0.000	98	784228	50.0	51.9	
85 Anthracene	178	6.787	6.787	0.000	98	808289	50.0	52.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
87 Carbazole	167	6.914	6.914	0.000	83	736250	50.0	51.8	
88 Di-n-butyl phthalate	149	7.200	7.200	0.000	100	978432	50.0	53.7	
89 Fluoranthene	202	7.639	7.639	0.000	98	880487	50.0	54.2	
90 Benzidine	184	7.754	7.754	0.000	99	458867	50.0	52.7	
91 Pyrene	202	7.807	7.807	0.000	97	894501	50.0	53.7	
92 Bisphenol-A	213	7.863	7.863	0.000	98	412335	NC	NC	
$ 93 Terphenyl-d14	244	7.940	7.940	0.000	98	735440	50.0	52.2	
95 Butyl benzyl phthalate	149	8.333	8.333	0.000	98	423912	50.0	54.7	
96 2,3,7,8-TCDD	320	8.377	8.377	0.000	59	1353	0.5000	0.5000	
97 Carbamazepine	193	8.407	8.407	0.000	90	391679	NC	NC	
99 3,3'-Dichlorobenzidine	252	8.758	8.758	0.000	93	359404	50.0	58.6	
100 Benzo[a]anthracene	228	8.767	8.767	0.000	99	852092	50.0	53.1	
* 98 Chrysene-d12	240	8.776	8.776	0.000	99	529974	40.0	40.0	
101 Chrysene	228	8.799	8.799	0.000	95	846849	50.0	52.9	
102 Bis(2-ethylhexyl) phthalate	149	8.838	8.838	0.000	79	624461	50.0	54.2	
103 Di-n-octyl phthalate	149	9.472	9.472	0.000	97	1074663	50.0	55.0	
104 Benzo[b]fluoranthene	252	9.794	9.794	0.000	98	804528	50.0	57.3	
105 Benzo[k]fluoranthene	252	9.827	9.827	0.000	95	914380	50.0	54.9	
106 Benzo[a]pyrene	252	10.127	10.127	0.000	96	831474	50.0	58.6	
* 107 Perylene-d12	264	10.187	10.187	0.000	98	553160	40.0	40.0	
108 Indeno[1,2,3-cd]pyrene	276	11.310	11.310	0.000	91	754564	50.0	66.0	M
109 Dibenz(a,h)anthracene	278	11.342	11.342	0.000	95	818113	50.0	61.5	
110 Benzo[g,h,i]perylene	276	11.594	11.594	0.000	95	826571	50.0	53.7	
131 2,6-Dichlorophenol	162	4.342	4.342	0.000	85	213341	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

NC - Not Calibrated

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

SV_BNA_L7_00003 Amount Added: 1.00 Units: mL

Report Date: 30-Mar-2022 11:19:30 Chrom Revision: 2.3 18-Mar-2022 09:07:22

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS15\20220330-143392.b\f460645.D

Injection Date: 30-Mar-2022 08:33:45 Instrument ID: CBNAMS15 Operator ID:

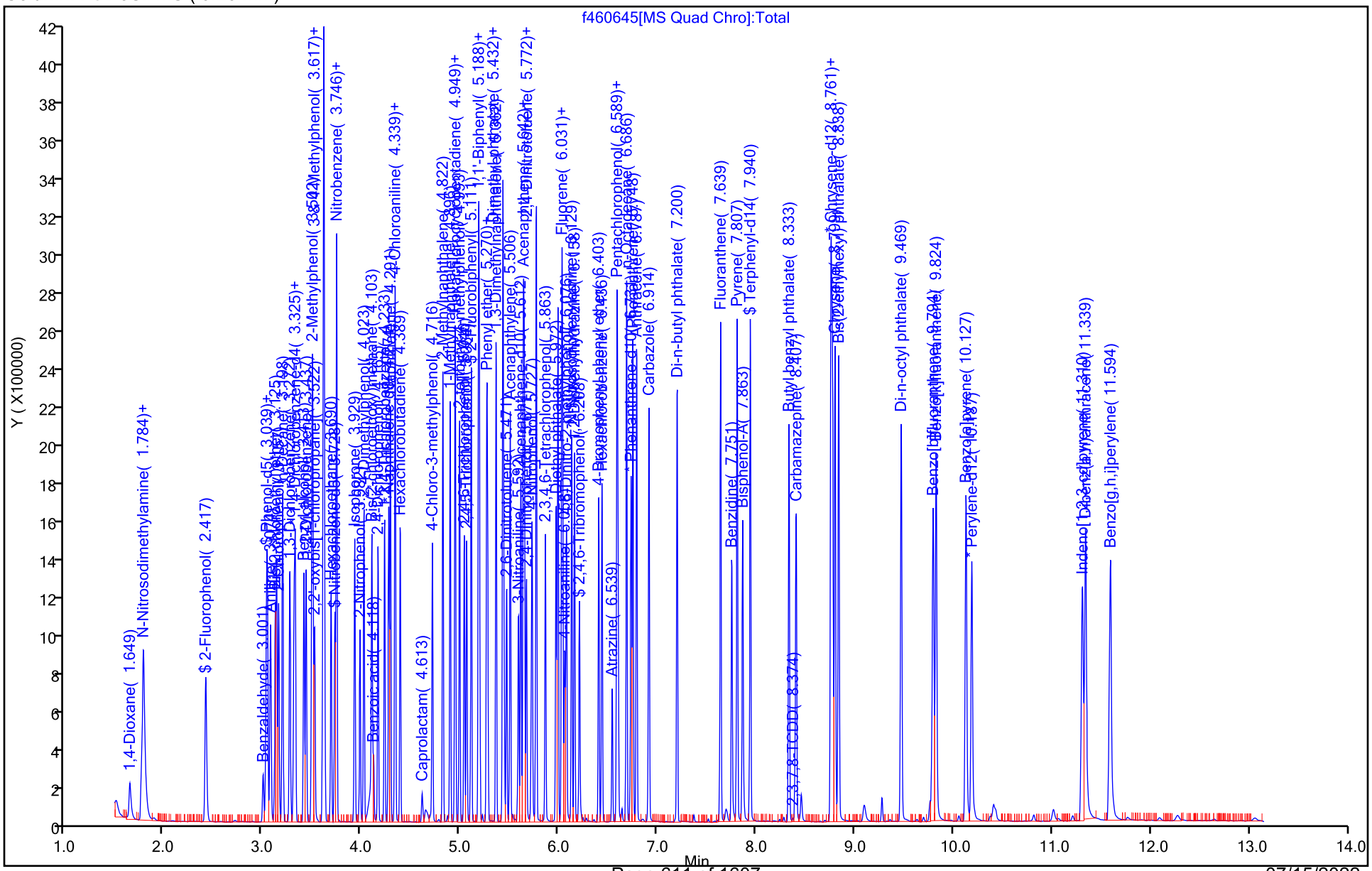
Lims ID: ICIS Worklist Smp#: 2

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 8270_15R_9 Limit Group: SV 8270 DEL ICAL

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS15\20220330-143392.b\f460646.D
Lims ID: STD120
Client ID:
Sample Type: IC Calib Level: 9
Inject. Date: 30-Mar-2022 08:51:05 ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0143392-003
Operator ID: Instrument ID: CBNAMS15
Sublist: chrom-8270_15R_9*sub17

Method: \\chromfs\Edison\ChromData\CBNAMS15\20220330-143392.b\8270_15R_9.m
Limit Group: SV 8270 DEL ICAL
Last Update: 30-Mar-2022 11:19:34 Calib Date: 30-Mar-2022 10:52:03
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS15\20220330-143392.b\f460653.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1603

First Level Reviewer: johnstonm1 Date: 30-Mar-2022 09:09:24

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.646	1.649	-0.003	95	235778	120.0	118.2	
2 N-Nitrosodimethylamine	74	1.764	1.766	-0.002	78	352935	120.0	118.9	
3 Pyridine	79	1.784	1.787	-0.003	83	1212365	240.0	238.9	
$ 5 2-Fluorophenol	112	2.415	2.417	-0.002	92	628591	120.0	116.4	
7 Benzaldehyde	77	2.995	3.001	-0.006	90	59024	32.0	13.6	
$ 8 Phenol-d5	99	3.036	3.033	0.003	92	781364	120.0	118.0	
9 Phenol	94	3.048	3.045	0.003	98	770205	120.0	119.7	
10 Aniline	93	3.074	3.074	0.000	98	926967	120.0	120.8	
11 Bis(2-chloroethyl)ether	93	3.122	3.122	0.000	90	609791	120.0	118.3	
12 2-Chlorophenol	128	3.157	3.157	0.000	79	634358	120.0	119.4	
13 n-Decane	43	3.192	3.198	-0.006	91	756711	120.0	121.3	
14 1,3-Dichlorobenzene	146	3.266	3.272	-0.006	94	682985	120.0	118.8	
* 15 1,4-Dichlorobenzene-d4	152	3.307	3.313	-0.006	82	151938	40.0	40.0	
16 1,4-Dichlorobenzene	146	3.322	3.325	-0.003	93	699057	120.0	119.0	
17 Benzyl alcohol	108	3.413	3.413	0.000	90	418709	120.0	119.4	
18 1,2-Dichlorobenzene	146	3.431	3.437	-0.006	94	649731	120.0	117.7	
19 2-Methylphenol	108	3.493	3.496	-0.003	83	565067	120.0	120.1	
20 2,2'-oxybis[1-chloropropane]	45	3.517	3.522	-0.006	92	907123	120.0	118.5	
130 N-Methylaniline	106	3.605	3.608	-0.003	92	1036001	NC	NC	a
21 Acetophenone	105	3.617	3.617	0.000	91	905801	120.0	118.3	
22 4-Methylphenol	108	3.623	3.617	0.006	76	650460	120.0	119.8	a
23 3 & 4 Methylphenol	108	3.623	3.617	0.006	74	650460	120.0	119.8	a
24 N-Nitrosodi-n-propylamine	70	3.637	3.622	0.015	91	397025	120.0	117.4	M
25 Hexachloroethane	117	3.684	3.690	-0.006	95	277648	120.0	120.7	
$ 26 Nitrobenzene-d5	82	3.729	3.728	0.001	92	702134	120.0	117.1	
27 Nitrobenzene	123	3.746	3.743	0.003	81	316038	120.0	124.9	
28 n,n'-Dimethylaniline	120	3.746	3.746	0.000	86	1027647	120.0	125.1	
29 Isophorone	82	3.935	3.929	0.006	98	1196051	120.0	118.1	
30 2-Nitrophenol	139	3.979	3.982	-0.003	86	336966	120.0	123.3	
31 2,4-Dimethylphenol	122	4.023	4.023	0.000	90	546942	120.0	120.2	
32 Bis(2-chloroethoxy)methane	93	4.100	4.103	-0.003	96	740299	120.0	118.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
33 Benzoic acid	122	4.156	4.121	0.035	83	415092	120.0	137.5	
34 2,4-Dichlorophenol	162	4.165	4.165	0.000	93	513771	120.0	120.8	
35 1,2,4-Trichlorobenzene	180	4.230	4.233	-0.003	94	542397	120.0	120.9	
* 36 Naphthalene-d8	136	4.271	4.274	-0.003	100	588110	40.0	40.0	
37 Naphthalene	128	4.289	4.291	-0.002	99	1795016	120.0	118.4	
38 4-Chloroaniline	127	4.339	4.339	0.000	90	784361	120.0	119.9	
39 Hexachlorobutadiene	225	4.386	4.392	-0.006	94	327125	120.0	118.5	
40 Caprolactam	113	4.716	4.613	0.103	30	68460	32.0	40.6	M
41 4-Chloro-3-methylphenol	107	4.716	4.716	0.000	97	528375	120.0	120.3	
42 2-Methylnaphthalene	142	4.819	4.822	-0.003	81	1265451	120.0	121.5	
43 1-Methylnaphthalene	142	4.896	4.896	0.000	89	1155383	120.0	120.2	
44 Hexachlorocyclopentadiene	237	4.943	4.946	-0.003	88	406308	120.0	136.1	
45 1,2,4,5-Tetrachlorobenzene	216	4.949	4.949	0.000	96	580877	NC	NC	
46 2-tertbutyl-4-methylphenol	149	4.990	4.993	-0.003	88	813856	120.0	125.2	
47 2,4,6-Trichlorophenol	196	5.037	5.040	-0.003	88	386465	120.0	122.5	
48 2,4,5-Trichlorophenol	196	5.064	5.064	0.000	95	422630	120.0	120.7	
$ 50 2-Fluorobiphenyl	172	5.108	5.111	-0.003	97	1413107	120.0	116.4	
51 1,1'-Biphenyl	154	5.185	5.185	0.000	96	1502703	120.0	120.6	
52 2-Chloronaphthalene	162	5.194	5.194	0.000	96	1144508	120.0	118.9	
53 Phenyl ether	170	5.267	5.267	0.000	88	862561	120.0	125.6	
54 2-Nitroaniline	65	5.279	5.276	0.003	96	486764	120.0	121.7	
55 1,3-Dimethylnaphthalene	156	5.362	5.362	0.000	91	983241	120.0	123.2	
56 Dimethyl phthalate	163	5.438	5.432	0.006	95	1320818	120.0	118.9	
57 Coumarin	146	5.435	5.432	0.003	65	482264	120.0	124.2	
58 2,6-Dinitrotoluene	165	5.474	5.471	0.003	65	298261	120.0	126.5	
59 Acenaphthylene	152	5.506	5.506	0.000	85	1859433	120.0	120.9	
60 3-Nitroaniline	138	5.594	5.592	0.002	92	334407	120.0	117.5	
* 61 Acenaphthene-d10	164	5.612	5.612	0.000	96	341305	40.0	40.0	
62 Acenaphthene	154	5.639	5.639	0.000	95	1065217	120.0	120.0	
63 3,5-di-tert-butyl-4-hydroxytol	205	5.648	5.651	-0.003	96	1043335	120.0	123.1	
64 2,4-Dinitrophenol	184	5.677	5.671	0.006	65	369991	240.0	244.8	
65 4-Nitrophenol	65	5.736	5.727	0.009	93	565921	240.0	244.6	
67 2,4-Dinitrotoluene	165	5.774	5.769	0.005	62	408555	120.0	128.8	
66 Dibenzofuran	168	5.771	5.772	-0.001	92	1589807	120.0	117.0	
68 2,3,4,6-Tetrachlorophenol	232	5.863	5.863	0.000	92	336120	NC	NC	
69 Diethyl phthalate	149	5.975	5.972	0.003	98	1342542	120.0	119.5	
70 Fluorene	166	6.028	6.028	0.000	83	1313938	120.0	120.5	
71 4-Chlorophenyl phenyl ether	204	6.037	6.037	0.000	85	618526	120.0	117.5	
72 4-Nitroaniline	138	6.075	6.058	0.017	87	320086	120.0	114.4	
73 4,6-Dinitro-2-methylphenol	198	6.087	6.076	0.011	80	453806	240.0	249.6	
74 N-Nitrosodiphenylamine	169	6.134	6.129	0.005	27	939524	120.0	118.2	
75 1,2-Diphenylhydrazine	77	6.158	6.158	0.000	20	1371153	120.0	118.6	
$ 76 2,4,6-Tribromophenol	330	6.211	6.208	0.003	94	281758	120.0	124.4	
77 4-Bromophenyl phenyl ether	248	6.403	6.403	0.000	86	385106	120.0	120.6	
78 Hexachlorobenzene	284	6.438	6.436	0.002	86	472850	120.0	121.1	
79 Atrazine	200	6.541	6.542	-0.001	88	96427	32.0	31.8	
80 Pentachlorophenol	266	6.591	6.589	0.002	90	619441	240.0	260.3	
81 Pentachloronitrobenzene	237	6.597	6.598	-0.001	71	195526	120.0	127.3	
82 n-Octadecane	57	6.683	6.686	-0.003	90	1140133	120.0	126.3	
* 83 Phenanthrene-d10	188	6.730	6.731	-0.001	99	605301	40.0	40.0	
84 Phenanthrene	178	6.751	6.748	0.003	98	1883864	120.0	119.3	
85 Anthracene	178	6.789	6.787	0.002	97	1947659	120.0	120.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
87 Carbazole	167	6.913	6.914	-0.001	83	1774305	120.0	119.4	
88 Di-n-butyl phthalate	149	7.196	7.200	-0.004	100	2335193	120.0	122.8	
89 Fluoranthene	202	7.638	7.639	-0.001	97	2076544	120.0	122.2	
90 Benzidine	184	7.751	7.754	-0.004	99	1205794	120.0	132.6	
91 Pyrene	202	7.807	7.807	0.000	97	2137953	120.0	118.0	
92 Bisphenol-A	213	7.863	7.863	0.000	98	919713	NC	NC	
$ 93 Terphenyl-d14	244	7.940	7.940	0.000	98	1827312	120.0	119.2	
95 Butyl benzyl phthalate	149	8.329	8.333	-0.004	98	1026975	120.0	121.7	
97 Carbamazepine	193	8.412	8.407	0.005	91	998190	NC	NC	
99 3,3'-Dichlorobenzidine	252	8.758	8.758	0.000	82	849930	120.0	127.4	
100 Benzo[a]anthracene	228	8.764	8.767	-0.003	99	2129202	120.0	121.9	
* 98 Chrysene-d12	240	8.772	8.776	-0.004	94	576434	40.0	40.0	
101 Chrysene	228	8.799	8.799	0.000	94	2023370	120.0	116.2	
102 Bis(2-ethylhexyl) phthalate	149	8.832	8.838	-0.006	74	1515668	120.0	121.0	
103 Di-n-octyl phthalate	149	9.464	9.472	-0.008	97	2632697	120.0	127.8	
104 Benzo[b]fluoranthene	252	9.795	9.794	0.001	96	2186006	120.0	147.7	
105 Benzo[k]fluoranthene	252	9.825	9.827	-0.001	99	2066176	120.0	117.5	
106 Benzo[a]pyrene	252	10.129	10.127	0.002	95	2011081	120.0	134.3	
* 107 Perylene-d12	264	10.179	10.187	-0.008	98	583668	40.0	40.0	
108 Indeno[1,2,3-cd]pyrene	276	11.309	11.310	-0.001	99	1982094	120.0	164.3	M
109 Dibenz(a,h)anthracene	278	11.339	11.342	-0.003	95	2063415	120.0	147.1	
110 Benzo[g,h,i]perylene	276	11.596	11.594	0.002	95	2012552	120.0	123.8	
S 117 Total Cresols	1				0			240.0	
131 2,6-Dichlorophenol	162	4.339	4.342	-0.003	0	501951	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

NC - Not Calibrated

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

SV_BNA_L9_00003 Amount Added: 1.00 Units: mL

Report Date: 30-Mar-2022 11:19:35 Chrom Revision: 2.3 18-Mar-2022 09:07:22

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS15\20220330-143392.b\f460646.D

Injection Date: 30-Mar-2022 08:51:05 Instrument ID: CBNAMS15 Operator ID:

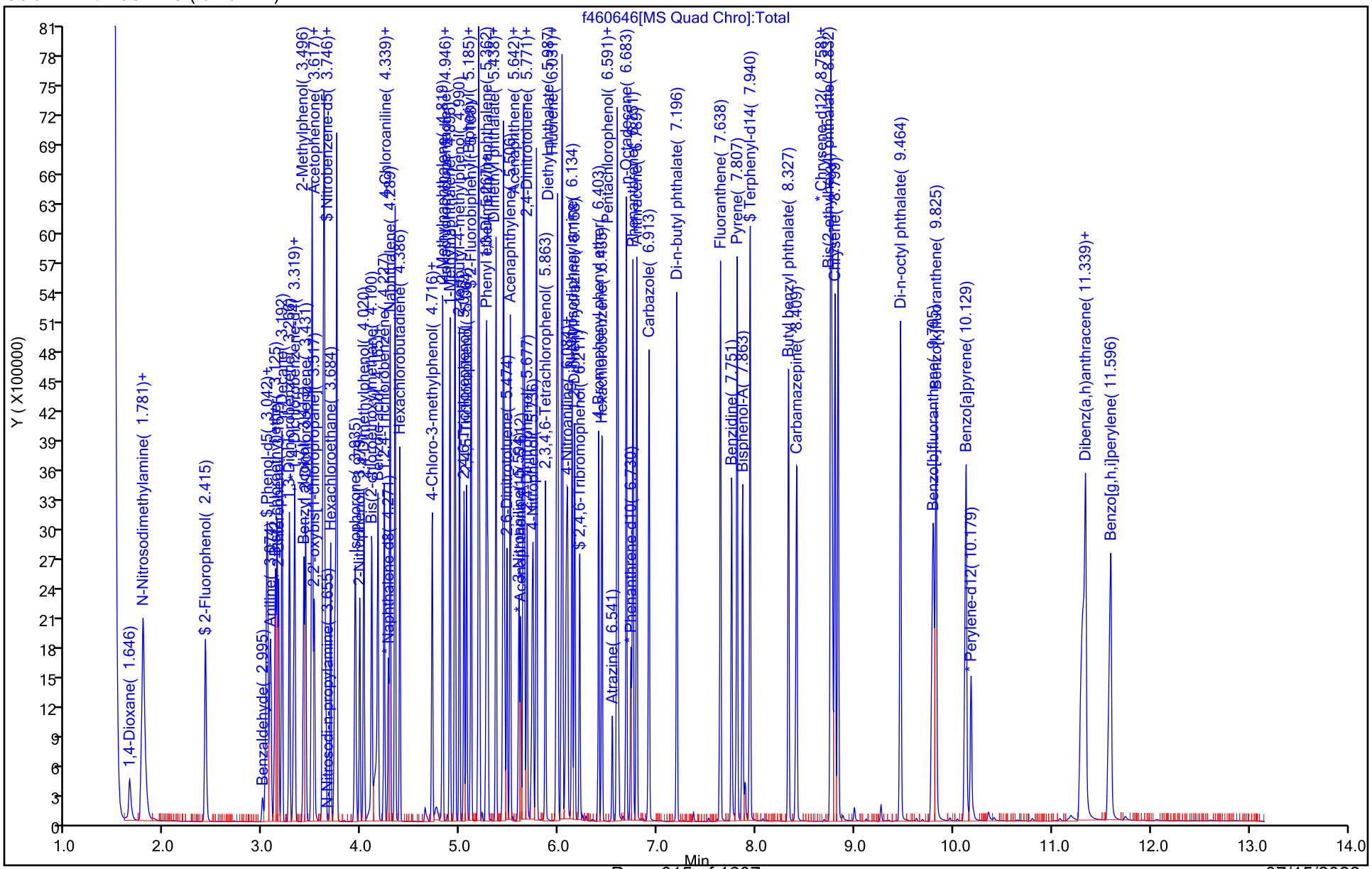
Lims ID: STD120 Worklist Smp#: 3

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 8270_15R_9 Limit Group: SV 8270 DEL ICAL

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS15\20220330-143392.b\f460647.D
Lims ID: STD80
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 30-Mar-2022 09:08:21 ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0143392-004
Operator ID: Instrument ID: CBNAMS15
Sublist: chrom-8270_15R_9*sub17

Method: \\chromfs\Edison\ChromData\CBNAMS15\20220330-143392.b\8270_15R_9.m
Limit Group: SV 8270 DEL ICAL
Last Update: 30-Mar-2022 11:19:39 Calib Date: 30-Mar-2022 10:52:03
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS15\20220330-143392.b\f460653.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1603

First Level Reviewer: johnstonm1 Date: 30-Mar-2022 09:30:49

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.646	1.649	-0.003	95	166361	80.0	80.9	
2 N-Nitrosodimethylamine	74	1.764	1.766	-0.002	79	244859	80.0	80.1	
3 Pyridine	79	1.781	1.787	-0.006	83	836878	160.0	160.1	
$ 5 2-Fluorophenol	112	2.412	2.417	-0.005	92	432203	80.0	77.7	
7 Benzaldehyde	77	2.993	3.001	-0.008	88	59399	24.0	13.3	
$ 8 Phenol-d5	99	3.031	3.033	-0.002	92	539199	80.0	79.0	
9 Phenol	94	3.040	3.045	-0.005	98	535224	80.0	80.8	
10 Aniline	93	3.069	3.074	-0.005	7	629813	80.0	79.7	
11 Bis(2-chloroethyl)ether	93	3.116	3.122	-0.006	91	421477	80.0	79.4	
12 2-Chlorophenol	128	3.152	3.157	-0.005	65	440597	80.0	80.5	
13 n-Decane	43	3.190	3.198	-0.008	91	516235	80.0	80.3	
14 1,3-Dichlorobenzene	146	3.264	3.272	-0.008	94	470963	80.0	79.5	
* 15 1,4-Dichlorobenzene-d4	152	3.305	3.313	-0.008	91	156526	40.0	40.0	
16 1,4-Dichlorobenzene	146	3.317	3.325	-0.008	92	478734	80.0	79.1	
17 Benzyl alcohol	108	3.408	3.413	-0.005	91	290853	80.0	80.5	
18 1,2-Dichlorobenzene	146	3.429	3.437	-0.008	91	461241	80.0	81.1	
19 2-Methylphenol	108	3.488	3.496	-0.008	84	392363	80.0	81.0	
20 2,2'-oxybis[1-chloropropane]	45	3.514	3.522	-0.008	93	625344	80.0	79.3	
130 N-Methylaniline	106	3.603	3.608	-0.005	84	703091	NC	NC	a
21 Acetophenone	105	3.612	3.617	-0.005	89	635314	80.0	80.5	
22 4-Methylphenol	108	3.615	3.617	-0.002	68	455804	80.0	81.5	
23 3 & 4 Methylphenol	108	3.615	3.617	-0.002	75	455804	80.0	81.5	
24 N-Nitrosodi-n-propylamine	70	3.618	3.622	-0.004	76	276017	80.0	79.2	
25 Hexachloroethane	117	3.682	3.690	-0.008	94	193822	80.0	81.8	
$ 26 Nitrobenzene-d5	82	3.724	3.728	-0.004	92	486629	80.0	78.3	
27 Nitrobenzene	123	3.738	3.743	-0.005	85	220230	80.0	84.5	
28 n,n'-Dimethylaniline	120	3.741	3.746	-0.005	87	701049	80.0	82.8	
29 Isophorone	82	3.927	3.929	-0.002	99	840244	80.0	80.1	
30 2-Nitrophenol	139	3.977	3.982	-0.005	87	234867	80.0	82.9	
31 2,4-Dimethylphenol	122	4.018	4.023	-0.005	91	380498	80.0	80.7	
32 Bis(2-chloroethoxy)methane	93	4.098	4.103	-0.005	96	520716	80.0	80.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
33 Benzoic acid	122	4.133	4.121	0.012	89	266956	80.0	85.3	
34 2,4-Dichlorophenol	162	4.160	4.165	-0.005	90	360052	80.0	81.7	
35 1,2,4-Trichlorobenzene	180	4.225	4.233	-0.008	94	375286	80.0	80.7	
* 36 Naphthalene-d8	136	4.266	4.274	-0.008	100	609561	40.0	40.0	
37 Naphthalene	128	4.284	4.291	-0.007	99	1253396	80.0	79.7	
38 4-Chloroaniline	127	4.334	4.339	-0.005	90	540272	80.0	79.7	
39 Hexachlorobutadiene	225	4.384	4.392	-0.008	95	230101	80.0	80.4	
40 Caprolactam	113	4.711	4.613	0.098	31	51243	24.0	29.3	M
41 4-Chloro-3-methylphenol	107	4.711	4.716	-0.005	94	366535	80.0	80.5	
42 2-Methylnaphthalene	142	4.817	4.822	-0.005	82	877014	80.0	81.2	
43 1-Methylnaphthalene	142	4.891	4.896	-0.005	90	795801	80.0	79.9	
44 Hexachlorocyclopentadiene	237	4.938	4.946	-0.008	87	274324	80.0	89.0	
45 1,2,4,5-Tetrachlorobenzene	216	4.944	4.949	-0.005	96	399921	NC	NC	
46 2-tertbutyl-4-methylphenol	149	4.988	4.993	-0.005	90	556875	80.0	82.6	
47 2,4,6-Trichlorophenol	196	5.035	5.040	-0.005	89	276828	80.0	84.9	
48 2,4,5-Trichlorophenol	196	5.059	5.064	-0.005	95	290962	80.0	80.5	
$ 50 2-Fluorobiphenyl	172	5.106	5.111	-0.005	97	974271	80.0	77.7	
51 1,1'-Biphenyl	154	5.180	5.185	-0.005	96	1038794	80.0	80.7	
52 2-Chloronaphthalene	162	5.189	5.194	-0.005	96	798742	80.0	80.4	
53 Phenyl ether	170	5.262	5.267	-0.005	88	579047	80.0	81.7	
54 2-Nitroaniline	65	5.274	5.276	-0.002	97	339593	80.0	82.2	
55 1,3-Dimethylnaphthalene	156	5.357	5.362	-0.005	91	675976	80.0	82.0	
56 Dimethyl phthalate	163	5.430	5.432	-0.002	96	915373	80.0	79.8	
57 Coumarin	146	5.430	5.432	-0.002	68	329186	80.0	81.8	
58 2,6-Dinitrotoluene	165	5.466	5.471	-0.005	70	207542	80.0	85.2	
59 Acenaphthylene	152	5.501	5.506	-0.005	96	1288865	80.0	81.1	
60 3-Nitroaniline	138	5.590	5.592	-0.002	93	233276	80.0	79.3	
* 61 Acenaphthene-d10	164	5.607	5.612	-0.005	88	352474	40.0	40.0	
62 Acenaphthene	154	5.634	5.639	-0.005	94	741141	80.0	80.8	
63 3,5-di-tert-butyl-4-hydroxytol	205	5.646	5.651	-0.005	96	720780	80.0	82.4	
64 2,4-Dinitrophenol	184	5.669	5.671	-0.002	68	254068	160.0	164.1	
65 4-Nitrophenol	65	5.726	5.727	-0.001	93	395133	160.0	165.4	
67 2,4-Dinitrotoluene	165	5.767	5.769	-0.002	62	287845	80.0	87.9	
66 Dibenzofuran	168	5.767	5.772	-0.005	92	1121002	80.0	79.9	
68 2,3,4,6-Tetrachlorophenol	232	5.858	5.863	-0.005	92	236410	NC	NC	
69 Diethyl phthalate	149	5.968	5.972	-0.004	98	925138	80.0	79.7	
70 Fluorene	166	6.024	6.028	-0.004	83	912882	80.0	81.1	
71 4-Chlorophenyl phenyl ether	204	6.033	6.037	-0.004	86	431857	80.0	79.5	
72 4-Nitroaniline	138	6.062	6.058	0.004	53	227229	80.0	78.7	
73 4,6-Dinitro-2-methylphenol	198	6.077	6.076	0.001	76	314726	160.0	168.2	
74 N-Nitrosodiphenylamine	169	6.127	6.129	-0.002	21	660020	80.0	80.4	
75 1,2-Diphenylhydrazine	77	6.154	6.158	-0.004	23	951771	80.0	79.6	
$ 76 2,4,6-Tribromophenol	330	6.204	6.208	-0.004	95	192650	80.0	82.4	
77 4-Bromophenyl phenyl ether	248	6.398	6.403	-0.005	87	270012	80.0	81.8	
78 Hexachlorobenzene	284	6.431	6.436	-0.005	88	333135	80.0	82.5	
79 Atrazine	200	6.537	6.542	-0.005	89	78394	24.0	25.0	
80 Pentachlorophenol	266	6.584	6.589	-0.005	89	428524	160.0	174.2	
81 Pentachloronitrobenzene	237	6.593	6.598	-0.005	83	134512	80.0	84.7	
82 n-Octadecane	57	6.679	6.686	-0.007	90	779083	80.0	83.5	
* 83 Phenanthrene-d10	188	6.726	6.731	-0.005	99	625659	40.0	40.0	
84 Phenanthrene	178	6.744	6.748	-0.004	98	1310508	80.0	80.3	
85 Anthracene	178	6.785	6.787	-0.002	98	1358010	80.0	81.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
87 Carbazole	167	6.909	6.914	-0.005	83	1238994	80.0	80.7	
88 Di-n-butyl phthalate	149	7.192	7.200	-0.008	100	1616682	80.0	82.2	
89 Fluoranthene	202	7.635	7.639	-0.004	97	1439028	80.0	82.0	
90 Benzidine	184	7.747	7.754	-0.007	99	810160	80.0	86.2	
91 Pyrene	202	7.803	7.807	-0.004	97	1491641	80.0	81.2	
92 Bisphenol-A	213	7.856	7.863	-0.007	98	649625	NC	NC	
$ 93 Terphenyl-d14	244	7.933	7.940	-0.007	98	1236140	80.0	79.5	
95 Butyl benzyl phthalate	149	8.323	8.333	-0.010	98	710504	80.0	83.0	
97 Carbamazepine	193	8.402	8.407	-0.005	91	683299	NC	NC	
99 3,3'-Dichlorobenzidine	252	8.748	8.758	-0.010	91	571863	80.0	84.5	
100 Benzo[a]anthracene	228	8.756	8.767	-0.011	99	1452873	80.0	82.0	
* 98 Chrysene-d12	240	8.765	8.776	-0.011	99	584779	40.0	40.0	
101 Chrysene	228	8.792	8.799	-0.007	95	1415388	80.0	80.1	
102 Bis(2-ethylhexyl) phthalate	149	8.824	8.838	-0.014	74	1043457	80.0	82.1	
103 Di-n-octyl phthalate	149	9.456	9.472	-0.016	97	1799196	80.0	83.8	
104 Benzo[b]fluoranthene	252	9.781	9.794	-0.013	96	1406008	80.0	91.1	
105 Benzo[k]fluoranthene	252	9.814	9.827	-0.012	95	1502162	80.0	82.0	
106 Benzo[a]pyrene	252	10.115	10.127	-0.012	95	1388957	80.0	89.0	
* 107 Perylene-d12	264	10.168	10.187	-0.019	98	608156	40.0	40.0	
108 Indeno[1,2,3-cd]pyrene	276	11.291	11.310	-0.019	95	1264661	80.0	100.6	M
109 Dibenz(a,h)anthracene	278	11.323	11.342	-0.019	95	1419390	80.0	97.1	
110 Benzo[g,h,i]perylene	276	11.574	11.594	-0.020	95	1388799	80.0	82.0	
S 117 Total Cresols	1				0			162.5	
131 2,6-Dichlorophenol	162	4.334	4.342	-0.008	79	352425	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

NC - Not Calibrated

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

SV_BNA_L8_00003 Amount Added: 1.00 Units: mL

Report Date: 30-Mar-2022 11:19:40 Chrom Revision: 2.3 18-Mar-2022 09:07:22

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS15\20220330-143392.b\f460647.D

Injection Date: 30-Mar-2022 09:08:21 Instrument ID: CBNAMS15 Operator ID:

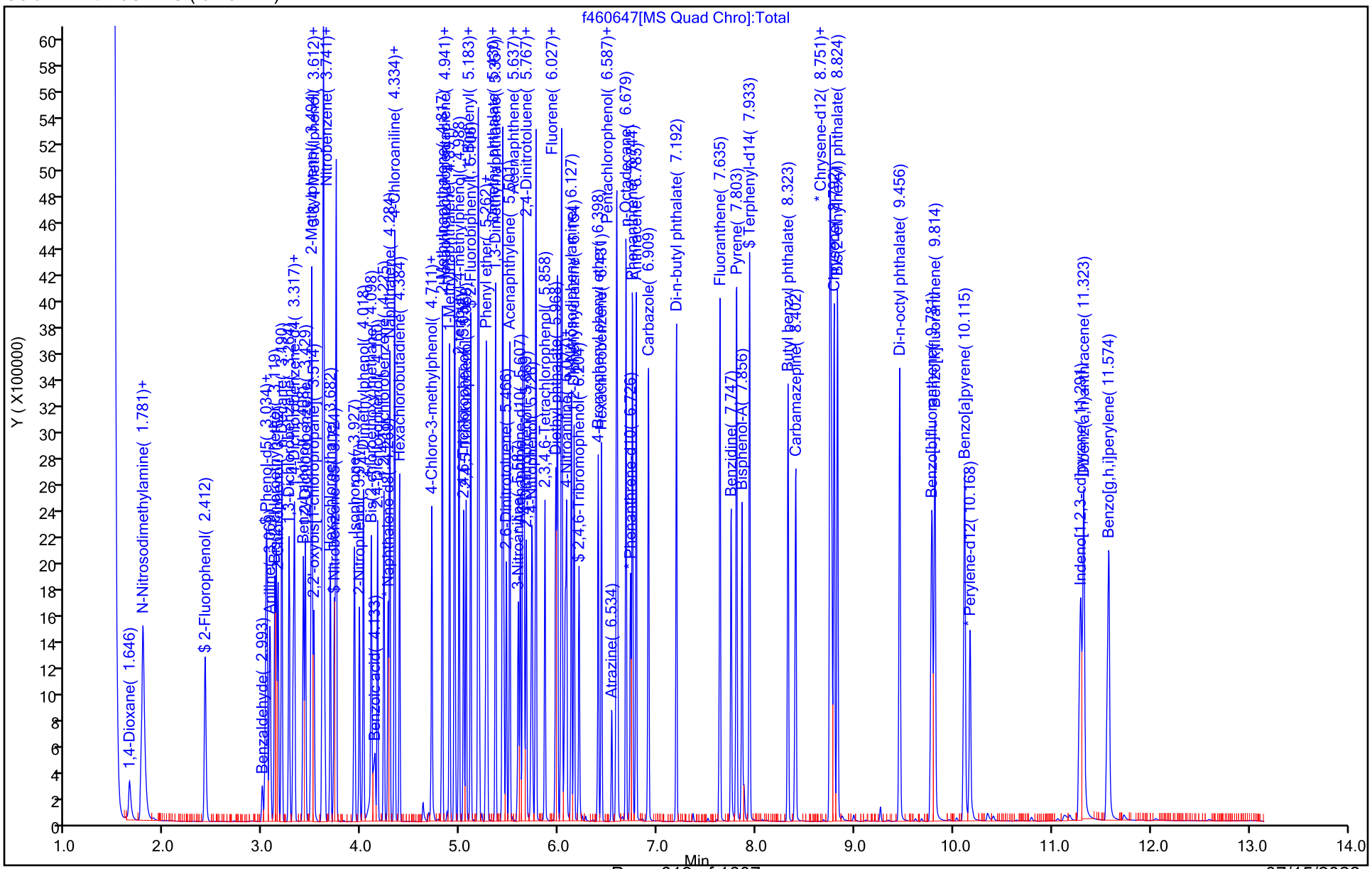
Lims ID: STD80 Worklist Smp#: 4

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 8270_15R_9 Limit Group: SV 8270 DEL ICAL

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS15\20220330-143392.b\f460648.D
Lims ID: STD20
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 30-Mar-2022 09:25:36 ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0143392-005
Operator ID: Instrument ID: CBNAMS15
Sublist: chrom-8270_15R_9*sub17

Method: \\chromfs\Edison\ChromData\CBNAMS15\20220330-143392.b\8270_15R_9.m
Limit Group: SV 8270 DEL ICAL
Last Update: 30-Mar-2022 11:19:44 Calib Date: 30-Mar-2022 10:52:03
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS15\20220330-143392.b\f460653.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1603

First Level Reviewer: johnstonm1 Date: 30-Mar-2022 09:44:42

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.646	1.649	-0.003	94	39714	20.0	19.2	
2 N-Nitrosodimethylamine	74	1.761	1.766	-0.005	83	59095	20.0	19.3	
3 Pyridine	79	1.781	1.787	-0.006	83	205341	40.0	39.1	
$ 5 2-Fluorophenol	112	2.410	2.417	-0.007	92	106826	20.0	19.1	
7 Benzaldehyde	77	2.990	3.001	-0.011	89	63792	16.0	14.2	
$ 8 Phenol-d5	99	3.019	3.033	-0.014	97	131059	20.0	19.1	
9 Phenol	94	3.031	3.045	-0.014	80	128241	20.0	19.3	
10 Aniline	93	3.063	3.074	-0.011	27	153655	20.0	19.4	
11 Bis(2-chloroethyl)ether	93	3.111	3.122	-0.011	91	103963	20.0	19.5	
12 2-Chlorophenol	128	3.146	3.157	-0.011	66	107824	20.0	19.6	
13 n-Decane	43	3.187	3.198	-0.011	91	123532	20.0	19.2	
14 1,3-Dichlorobenzene	146	3.261	3.272	-0.011	93	115257	20.0	19.4	
* 15 1,4-Dichlorobenzene-d4	152	3.302	3.313	-0.011	97	157088	40.0	40.0	
16 1,4-Dichlorobenzene	146	3.317	3.325	-0.008	92	117822	20.0	19.4	
17 Benzyl alcohol	108	3.402	3.413	-0.011	92	70185	20.0	19.4	
18 1,2-Dichlorobenzene	146	3.426	3.437	-0.011	90	110846	20.0	19.4	
19 2-Methylphenol	108	3.482	3.496	-0.014	86	93972	20.0	19.3	
20 2,2'-oxybis[1-chloropropane]	45	3.512	3.522	-0.010	52	155006	20.0	19.6	
130 N-Methylaniline	106	3.597	3.608	-0.011	74	170734	NC	NC	
21 Acetophenone	105	3.603	3.617	-0.014	83	152535	20.0	19.3	
22 4-Methylphenol	108	3.600	3.617	-0.017	74	109981	20.0	19.6	
23 3 & 4 Methylphenol	108	3.600	3.617	-0.017	96	109981	20.0	19.6	
24 N-Nitrosodi-n-propylamine	70	3.606	3.622	-0.016	73	67385	20.0	19.3	
25 Hexachloroethane	117	3.679	3.690	-0.011	94	46579	20.0	19.6	
$ 26 Nitrobenzene-d5	82	3.715	3.728	-0.013	92	121433	20.0	19.6	
27 Nitrobenzene	123	3.730	3.743	-0.013	89	52280	20.0	20.0	
28 n,n'-Dimethylaniline	120	3.736	3.746	-0.010	84	165447	20.0	19.5	
29 Isophorone	82	3.915	3.929	-0.014	99	205974	20.0	19.7	
30 2-Nitrophenol	139	3.971	3.982	-0.011	86	55815	20.0	19.7	
31 2,4-Dimethylphenol	122	4.010	4.023	-0.013	90	92873	20.0	19.7	
32 Bis(2-chloroethoxy)methane	93	4.092	4.103	-0.011	90	125353	20.0	19.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
33 Benzoic acid	122	4.077	4.121	-0.044	86	63259	20.0	20.2	
34 2,4-Dichlorophenol	162	4.154	4.165	-0.011	93	86094	20.0	19.6	
35 1,2,4-Trichlorobenzene	180	4.222	4.233	-0.011	94	91536	20.0	19.7	
* 36 Naphthalene-d8	136	4.266	4.274	-0.008	100	608690	40.0	40.0	
37 Naphthalene	128	4.281	4.291	-0.010	94	308209	20.0	19.6	
38 4-Chloroaniline	127	4.325	4.339	-0.014	91	133809	20.0	19.8	
39 Hexachlorobutadiene	225	4.381	4.392	-0.011	94	56062	20.0	19.6	
40 Caprolactam	113	4.587	4.613	-0.026	89	25795	16.0	14.8	
41 4-Chloro-3-methylphenol	107	4.705	4.716	-0.011	97	88342	20.0	19.4	
42 2-Methylnaphthalene	142	4.814	4.822	-0.008	81	207882	20.0	19.3	
43 1-Methylnaphthalene	142	4.888	4.896	-0.008	90	193006	20.0	19.4	
44 Hexachlorocyclopentadiene	237	4.935	4.946	-0.011	84	58469	20.0	18.5	
45 1,2,4,5-Tetrachlorobenzene	216	4.941	4.949	-0.008	95	94466	NC	NC	
46 2-tertbutyl-4-methylphenol	149	4.982	4.993	-0.011	89	133812	20.0	19.9	
47 2,4,6-Trichlorophenol	196	5.029	5.040	-0.011	88	66411	20.0	19.9	
48 2,4,5-Trichlorophenol	196	5.056	5.064	-0.008	96	70813	20.0	19.1	
$ 50 2-Fluorobiphenyl	172	5.100	5.111	-0.011	97	243994	20.0	19.0	
51 1,1'-Biphenyl	154	5.174	5.185	-0.011	96	250866	20.0	19.0	
52 2-Chloronaphthalene	162	5.183	5.194	-0.011	96	195712	20.0	19.2	
53 Phenyl ether	170	5.259	5.267	-0.008	88	142644	20.0	19.6	
54 2-Nitroaniline	65	5.265	5.276	-0.011	91	80556	20.0	19.0	
55 1,3-Dimethylnaphthalene	156	5.354	5.362	-0.008	92	163548	20.0	19.4	
56 Dimethyl phthalate	163	5.418	5.432	-0.014	96	224174	20.0	19.1	
57 Coumarin	146	5.421	5.432	-0.011	74	80190	20.0	19.9	
58 2,6-Dinitrotoluene	165	5.457	5.471	-0.014	77	52322	20.0	21.0	
59 Acenaphthylene	152	5.495	5.506	-0.011	96	316452	20.0	19.5	
60 3-Nitroaniline	138	5.578	5.592	-0.014	92	57216	20.0	19.0	
* 61 Acenaphthene-d10	164	5.604	5.612	-0.008	96	360985	40.0	40.0	
62 Acenaphthene	154	5.628	5.639	-0.011	90	181072	20.0	19.3	
63 3,5-di-tert-butyl-4-hydroxytol	205	5.640	5.651	-0.011	88	176888	20.0	19.7	
64 2,4-Dinitrophenol	184	5.657	5.671	-0.014	65	50744	40.0	35.3	
65 4-Nitrophenol	65	5.710	5.727	-0.017	93	94490	40.0	38.6	
67 2,4-Dinitrotoluene	165	5.758	5.769	-0.011	69	67375	20.0	20.1	
66 Dibenzofuran	168	5.760	5.772	-0.012	91	275001	20.0	19.1	
68 2,3,4,6-Tetrachlorophenol	232	5.852	5.863	-0.011	92	56179	NC	NC	
69 Diethyl phthalate	149	5.958	5.972	-0.014	98	228537	20.0	19.2	
70 Fluorene	166	6.017	6.028	-0.011	84	218914	20.0	19.0	
71 4-Chlorophenyl phenyl ether	204	6.029	6.037	-0.008	86	108442	20.0	19.5	
72 4-Nitroaniline	138	6.038	6.058	-0.020	91	59430	20.0	20.1	
73 4,6-Dinitro-2-methylphenol	198	6.061	6.076	-0.015	50	68701	40.0	37.7	
74 N-Nitrosodiphenylamine	169	6.117	6.129	-0.012	31	161991	20.0	19.3	
75 1,2-Diphenylhydrazine	77	6.147	6.158	-0.011	60	233020	20.0	19.1	
$ 76 2,4,6-Tribromophenol	330	6.197	6.208	-0.011	95	47739	20.0	19.9	
77 4-Bromophenyl phenyl ether	248	6.394	6.403	-0.009	87	64874	20.0	19.3	
78 Hexachlorobenzene	284	6.427	6.436	-0.009	95	80733	20.0	19.6	
79 Atrazine	200	6.530	6.542	-0.012	89	51472	16.0	16.1	
80 Pentachlorophenol	266	6.577	6.589	-0.012	89	100090	40.0	39.9	
81 Pentachloronitrobenzene	237	6.589	6.598	-0.009	87	31907	20.0	19.7	
82 n-Octadecane	57	6.678	6.686	-0.008	91	179873	20.0	18.9	
* 83 Phenanthrene-d10	188	6.722	6.731	-0.009	99	638023	40.0	40.0	
84 Phenanthrene	178	6.740	6.748	-0.008	98	321420	20.0	19.3	
85 Anthracene	178	6.778	6.787	-0.009	98	330600	20.0	19.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
87 Carbazole	167	6.902	6.914	-0.012	83	301586	20.0	19.3	
88 Di-n-butyl phthalate	149	7.187	7.200	-0.013	100	385831	20.0	19.2	
89 Fluoranthene	202	7.627	7.639	-0.012	97	340175	20.0	19.0	
90 Benzidine	184	7.742	7.754	-0.012	99	179116	20.0	18.7	
91 Pyrene	202	7.795	7.807	-0.012	97	358148	20.0	19.2	
92 Bisphenol-A	213	7.851	7.863	-0.012	98	165416	NC	NC	
$ 93 Terphenyl-d14	244	7.930	7.940	-0.010	98	309922	20.0	19.6	
95 Butyl benzyl phthalate	149	8.320	8.333	-0.013	98	164374	20.0	18.9	
97 Carbamazepine	193	8.387	8.407	-0.020	91	159709	NC	NC	
99 3,3'-Dichlorobenzidine	252	8.738	8.758	-0.020	99	130530	20.0	19.0	
100 Benzo[a]anthracene	228	8.750	8.767	-0.017	99	343059	20.0	19.0	
* 98 Chrysene-d12	240	8.759	8.776	-0.017	99	594683	40.0	40.0	
101 Chrysene	228	8.783	8.799	-0.016	95	342021	20.0	19.0	
102 Bis(2-ethylhexyl) phthalate	149	8.821	8.838	-0.017	88	243956	20.0	18.9	
103 Di-n-octyl phthalate	149	9.450	9.472	-0.022	97	415417	20.0	19.0	
104 Benzo[b]fluoranthene	252	9.769	9.794	-0.025	97	319997	20.0	20.4	
105 Benzo[k]fluoranthene	252	9.798	9.827	-0.028	95	378010	20.0	20.3	
106 Benzo[a]pyrene	252	10.100	10.127	-0.027	97	323669	20.0	20.4	
* 107 Perylene-d12	264	10.162	10.187	-0.025	99	618281	40.0	40.0	
108 Indeno[1,2,3-cd]pyrene	276	11.273	11.310	-0.037	99	294782	20.0	23.1	
109 Dibenz(a,h)anthracene	278	11.305	11.342	-0.037	46	316074	20.0	21.3	
110 Benzo[g,h,i]perylene	276	11.550	11.594	-0.044	91	331048	20.0	19.2	
S 117 Total Cresols	1				0			38.9	
131 2,6-Dichlorophenol	162	4.331	4.342	-0.011	89	86833	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

NC - Not Calibrated

Reagents:

SV_BNA_L6_00003 Amount Added: 1.00 Units: mL

Report Date: 30-Mar-2022 11:19:45 Chrom Revision: 2.3 18-Mar-2022 09:07:22

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS15\20220330-143392.b\f460648.D

Injection Date: 30-Mar-2022 09:25:36 Instrument ID: CBNAMS15 Operator ID:

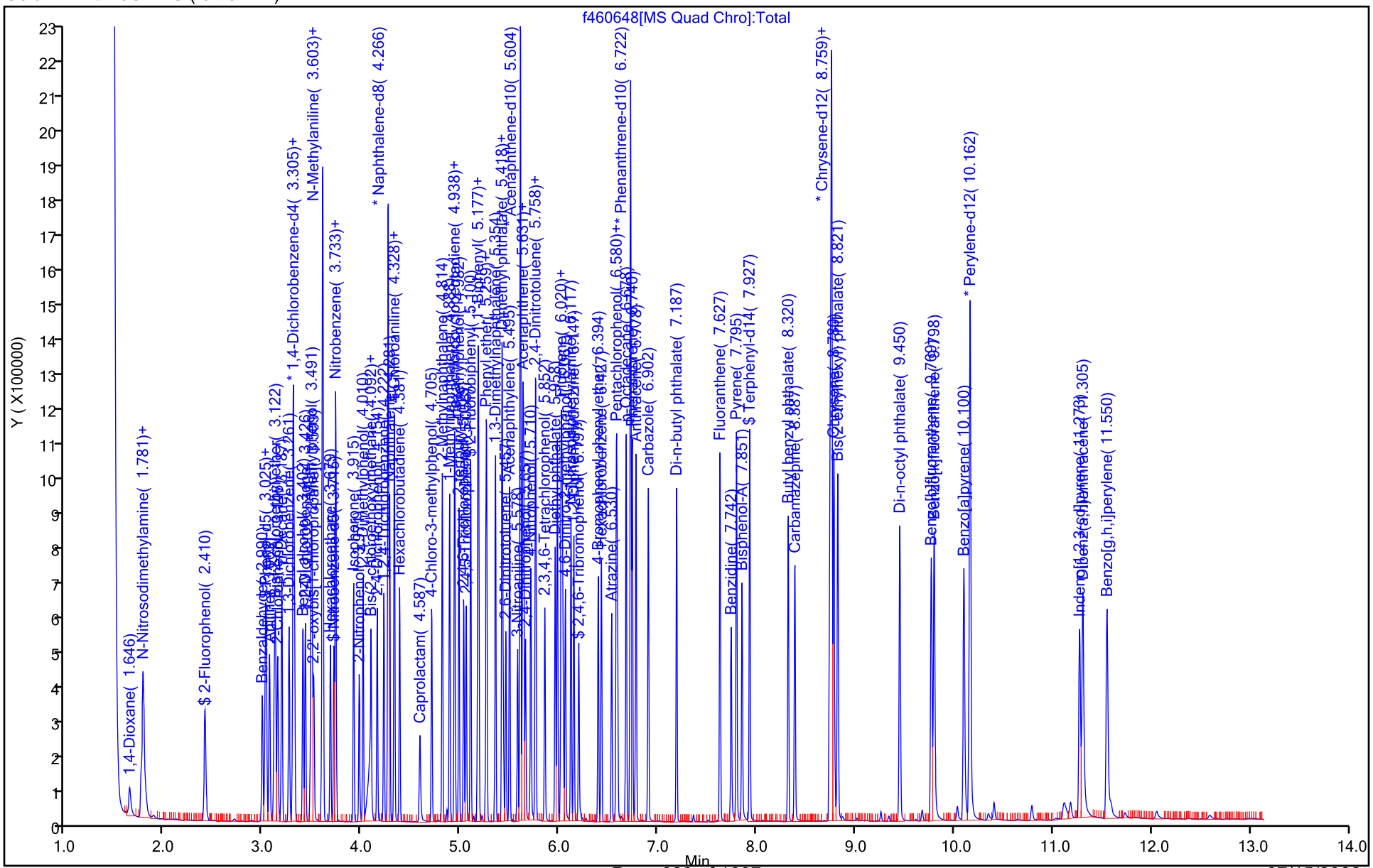
Lims ID: STD20 Worklist Smp#: 5

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 8270_15R_9 Limit Group: SV 8270 DEL ICAL

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS15\20220330-143392.b\f460649.D
Lims ID: STD10
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 30-Mar-2022 09:42:56 ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0143392-006
Operator ID: Instrument ID: CBNAMS15
Sublist: chrom-8270_15R_9*sub17

Method: \\chromfs\Edison\ChromData\CBNAMS15\20220330-143392.b\8270_15R_9.m
Limit Group: SV 8270 DEL ICAL
Last Update: 30-Mar-2022 11:19:49 Calib Date: 30-Mar-2022 10:52:03
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS15\20220330-143392.b\f460653.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1603

First Level Reviewer: johnstonm1 Date: 30-Mar-2022 10:00:42

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.646	1.649	-0.003	94	21123	10.0	10.3	
	2 N-Nitrosodimethylamine	74	1.761	1.766	-0.005	83	30859	10.0	10.1	
	3 Pyridine	79	1.781	1.787	-0.006	85	108719	20.0	20.8	
$	5 2-Fluorophenol	112	2.410	2.417	-0.007	93	50963	10.0	9.15	
	7 Benzaldehyde	77	2.991	3.001	-0.010	92	42118	10.0	9.43	
$	8 Phenol-d5	99	3.020	3.033	-0.013	89	61787	10.0	9.05	
	9 Phenol	94	3.029	3.045	-0.016	92	67166	10.0	10.1	
	10 Aniline	93	3.062	3.074	-0.012	74	81846	10.0	10.3	
	11 Bis(2-chloroethyl)ether	93	3.109	3.122	-0.013	92	54476	10.0	10.3	
	12 2-Chlorophenol	128	3.144	3.157	-0.013	74	55977	10.0	10.2	
	13 n-Decane	43	3.189	3.198	-0.009	91	64757	10.0	10.1	
	14 1,3-Dichlorobenzene	146	3.262	3.272	-0.010	94	60619	10.0	10.2	
*	15 1,4-Dichlorobenzene-d4	152	3.304	3.313	-0.009	97	156672	40.0	40.0	
	16 1,4-Dichlorobenzene	146	3.315	3.325	-0.010	90	61828	10.0	10.2	
	17 Benzyl alcohol	108	3.401	3.413	-0.012	92	37300	10.0	10.3	
	18 1,2-Dichlorobenzene	146	3.428	3.437	-0.009	90	59190	10.0	10.4	
	19 2-Methylphenol	108	3.484	3.496	-0.012	85	48668	10.0	10.0	
	20 2,2'-oxybis[1-chloropropane]	45	3.510	3.522	-0.012	52	78826	10.0	9.99	
	130 N-Methylaniline	106	3.596	3.608	-0.012	75	82643	NC	NC	
	21 Acetophenone	105	3.604	3.617	-0.013	86	80123	10.0	10.1	
	22 4-Methylphenol	108	3.602	3.617	-0.015	72	56254	10.0	10.0	
	23 3 & 4 Methylphenol	108	3.602	3.617	-0.015	92	56254	10.0	10.0	
	24 N-Nitrosodi-n-propylamine	70	3.607	3.622	-0.015	83	35006	10.0	10.0	
	25 Hexachloroethane	117	3.681	3.690	-0.009	92	24372	10.0	10.3	
$	26 Nitrobenzene-d5	82	3.717	3.728	-0.011	91	56244	10.0	9.07	
	27 Nitrobenzene	123	3.731	3.743	-0.012	89	26748	10.0	10.3	
	28 n,n'-Dimethylaniline	120	3.734	3.746	-0.012	86	82601	10.0	9.75	
	29 Isophorone	82	3.914	3.929	-0.015	98	106981	10.0	10.2	
	30 2-Nitrophenol	139	3.973	3.982	-0.009	87	28788	10.0	10.2	
	31 2,4-Dimethylphenol	122	4.011	4.023	-0.012	90	47782	10.0	10.2	
	32 Bis(2-chloroethoxy)methane	93	4.091	4.103	-0.012	95	68055	10.0	10.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
33 Benzoic acid	122	4.058	4.121	-0.063	88	27363	10.0	8.77	
34 2,4-Dichlorophenol	162	4.156	4.165	-0.009	94	46283	10.0	10.5	
35 1,2,4-Trichlorobenzene	180	4.224	4.233	-0.009	95	47189	10.0	10.2	
* 36 Naphthalene-d8	136	4.265	4.274	-0.009	100	608164	40.0	40.0	
37 Naphthalene	128	4.283	4.291	-0.008	90	160336	10.0	10.2	
38 4-Chloroaniline	127	4.327	4.339	-0.012	90	68454	10.0	10.1	
39 Hexachlorobutadiene	225	4.383	4.392	-0.009	95	30133	10.0	10.6	
40 Caprolactam	113	4.581	4.613	-0.032	87	14882	10.0	8.54	
41 4-Chloro-3-methylphenol	107	4.707	4.716	-0.009	93	45416	10.0	10.0	
42 2-Methylnaphthalene	142	4.813	4.822	-0.009	81	109868	10.0	10.2	
43 1-Methylnaphthalene	142	4.887	4.896	-0.009	90	101430	10.0	10.2	
44 Hexachlorocyclopentadiene	237	4.937	4.946	-0.009	75	28998	10.0	9.09	
45 1,2,4,5-Tetrachlorobenzene	216	4.940	4.949	-0.009	95	49909	NC	NC	
46 2-tertbutyl-4-methylphenol	149	4.985	4.993	-0.008	89	64453	10.0	9.58	
47 2,4,6-Trichlorophenol	196	5.032	5.040	-0.008	89	34470	10.0	10.2	
48 2,4,5-Trichlorophenol	196	5.055	5.064	-0.009	87	36494	10.0	9.76	
$ 50 2-Fluorobiphenyl	172	5.102	5.111	-0.009	97	113812	10.0	8.78	
51 1,1'-Biphenyl	154	5.176	5.185	-0.009	96	131676	10.0	9.89	
52 2-Chloronaphthalene	162	5.185	5.194	-0.009	96	101617	10.0	9.89	
53 Phenyl ether	170	5.259	5.267	-0.008	89	69812	10.0	9.52	
54 2-Nitroaniline	65	5.265	5.276	-0.011	90	41191	10.0	9.64	
55 1,3-Dimethylnaphthalene	156	5.353	5.362	-0.009	92	80509	10.0	9.44	
56 Dimethyl phthalate	163	5.418	5.432	-0.014	97	117762	10.0	9.93	
57 Coumarin	146	5.421	5.432	-0.011	72	39473	10.0	9.83	
58 2,6-Dinitrotoluene	165	5.456	5.471	-0.015	66	26264	10.0	10.4	
59 Acenaphthylene	152	5.498	5.506	-0.008	97	165877	10.0	10.1	
60 3-Nitroaniline	138	5.577	5.592	-0.015	93	30141	10.0	9.91	
* 61 Acenaphthene-d10	164	5.607	5.612	-0.005	97	364541	40.0	40.0	
62 Acenaphthene	154	5.630	5.639	-0.009	84	93563	10.0	9.87	
63 3,5-di-tert-butyl-4-hydroxytol	205	5.639	5.651	-0.012	82	86608	10.0	9.57	
64 2,4-Dinitrophenol	184	5.657	5.671	-0.014	64	22479	20.0	17.7	
65 4-Nitrophenol	65	5.710	5.727	-0.017	92	47791	20.0	19.3	
67 2,4-Dinitrotoluene	165	5.757	5.769	-0.012	70	35527	10.0	10.5	
66 Dibenzofuran	168	5.760	5.772	-0.012	91	145799	10.0	10.0	
68 2,3,4,6-Tetrachlorophenol	232	5.854	5.863	-0.009	90	28539	NC	NC	
69 Diethyl phthalate	149	5.958	5.972	-0.014	97	119332	10.0	9.94	
70 Fluorene	166	6.020	6.028	-0.008	83	114823	10.0	9.86	
71 4-Chlorophenyl phenyl ether	204	6.028	6.037	-0.009	84	55737	10.0	9.92	
72 4-Nitroaniline	138	6.034	6.058	-0.024	92	30246	10.0	10.1	
73 4,6-Dinitro-2-methylphenol	198	6.061	6.076	-0.015	46	33368	20.0	19.2	
74 N-Nitrosodiphenylamine	169	6.117	6.129	-0.012	24	85414	10.0	10.1	
75 1,2-Diphenylhydrazine	77	6.146	6.158	-0.012	52	123275	10.0	9.98	
$ 76 2,4,6-Tribromophenol	330	6.199	6.208	-0.009	94	21877	10.0	9.04	
77 4-Bromophenyl phenyl ether	248	6.394	6.403	-0.009	85	34092	10.0	10.0	
78 Hexachlorobenzene	284	6.427	6.436	-0.009	95	42782	10.0	10.3	
79 Atrazine	200	6.530	6.542	-0.012	88	30683	10.0	9.47	
80 Pentachlorophenol	266	6.580	6.589	-0.009	92	50045	20.0	19.7	
81 Pentachloronitrobenzene	237	6.589	6.598	-0.009	85	15033	10.0	9.17	
82 n-Octadecane	57	6.677	6.686	-0.009	91	91678	10.0	9.51	
* 83 Phenanthrene-d10	188	6.722	6.731	-0.009	99	646360	40.0	40.0	
84 Phenanthrene	178	6.739	6.748	-0.009	98	167337	10.0	9.93	
85 Anthracene	178	6.778	6.787	-0.009	98	171476	10.0	9.97	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
87 Carbazole	167	6.901	6.914	-0.013	83	162661	10.0	10.3	
88 Di-n-butyl phthalate	149	7.190	7.200	-0.010	100	198720	10.0	9.78	
89 Fluoranthene	202	7.630	7.639	-0.009	98	176713	10.0	9.74	
90 Benzidine	184	7.742	7.754	-0.012	99	90015	10.0	9.27	
91 Pyrene	202	7.798	7.807	-0.009	97	185975	10.0	9.93	
92 Bisphenol-A	213	7.854	7.863	-0.009	98	79490	NC	NC	
$ 93 Terphenyl-d14	244	7.931	7.940	-0.009	98	143773	10.0	9.08	
95 Butyl benzyl phthalate	149	8.320	8.333	-0.013	98	83790	10.0	9.61	
97 Carbamazepine	193	8.385	8.407	-0.022	91	75022	NC	NC	
99 3,3'-Dichlorobenzidine	252	8.742	8.758	-0.016	99	64770	10.0	9.40	
100 Benzo[a]anthracene	228	8.754	8.767	-0.013	81	176209	10.0	9.76	
* 98 Chrysene-d12	240	8.763	8.776	-0.013	99	595760	40.0	40.0	
101 Chrysene	228	8.783	8.799	-0.016	95	181232	10.0	10.1	
102 Bis(2-ethylhexyl) phthalate	149	8.825	8.838	-0.013	87	126987	10.0	9.81	
103 Di-n-octyl phthalate	149	9.453	9.472	-0.019	97	207382	10.0	9.47	
104 Benzo[b]fluoranthene	252	9.772	9.794	-0.022	97	159843	10.0	10.2	
105 Benzo[k]fluoranthene	252	9.802	9.827	-0.024	99	193813	10.0	10.4	
106 Benzo[a]pyrene	252	10.103	10.127	-0.024	96	165246	10.0	10.4	
* 107 Perylene-d12	264	10.168	10.187	-0.019	99	620150	40.0	40.0	
108 Indeno[1,2,3-cd]pyrene	276	11.278	11.310	-0.032	99	132605	10.0	10.3	M
109 Dibenz(a,h)anthracene	278	11.311	11.342	-0.031	46	154841	10.0	10.4	
110 Benzo[g,h,i]perylene	276	11.553	11.594	-0.041	94	168112	10.0	9.74	
S 117 Total Cresols	1				0			20.1	
131 2,6-Dichlorophenol	162	4.330	4.342	-0.012	0	45473	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

SV_BNA_L5_00003 Amount Added: 1.00 Units: mL

Report Date: 30-Mar-2022 11:19:50 Chrom Revision: 2.3 18-Mar-2022 09:07:22

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS15\20220330-143392.b\f460649.D

Injection Date: 30-Mar-2022 09:42:56 Instrument ID: CBNAMS15 Operator ID:

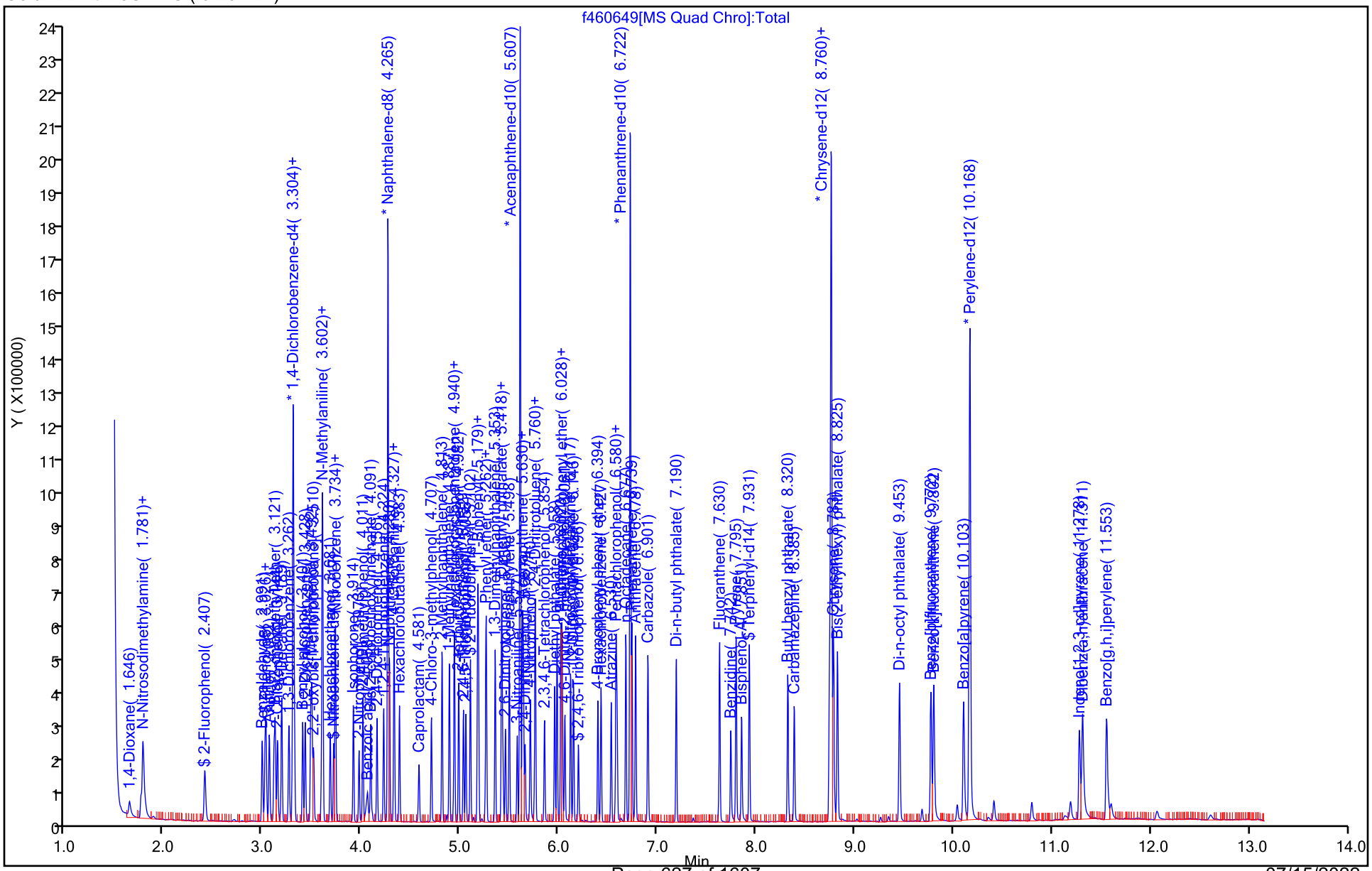
Lims ID: STD10 Worklist Smp#: 6

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 8270_15R_9 Limit Group: SV 8270 DEL ICAL

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS15\20220330-143392.b\f460650.D
Lims ID: STD5
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 30-Mar-2022 10:00:14 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0143392-007
Operator ID: Instrument ID: CBNAMS15
Sublist: chrom-8270_15R_9*sub17

Method: \\chromfs\Edison\ChromData\CBNAMS15\20220330-143392.b\8270_15R_9.m
Limit Group: SV 8270 DEL ICAL
Last Update: 30-Mar-2022 11:19:54 Calib Date: 30-Mar-2022 10:52:03
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS15\20220330-143392.b\f460653.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1603

First Level Reviewer: johnstonm1 Date: 30-Mar-2022 10:17:30

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.646	1.649	-0.003	86	10142	5.00	5.25	
	2 N-Nitrosodimethylamine	74	1.760	1.766	-0.006	82	14908	5.00	5.18	
	3 Pyridine	79	1.781	1.787	-0.006	85	51331	10.0	10.4	
$	5 2-Fluorophenol	112	2.408	2.417	-0.009	92	24644	5.00	4.71	
	7 Benzaldehyde	77	2.988	3.001	-0.013	92	20870	5.00	4.97	
$	8 Phenol-d5	99	3.018	3.033	-0.015	84	30240	5.00	4.71	
	9 Phenol	94	3.026	3.045	-0.019	87	32019	5.00	5.14	
	10 Aniline	93	3.062	3.074	-0.012	71	37403	5.00	5.03	
	11 Bis(2-chloroethyl)ether	93	3.109	3.122	-0.013	91	26260	5.00	5.26	
	12 2-Chlorophenol	128	3.144	3.157	-0.013	74	25757	5.00	5.01	
	13 n-Decane	43	3.185	3.198	-0.013	91	30551	5.00	5.06	
	14 1,3-Dichlorobenzene	146	3.259	3.272	-0.013	92	28900	5.00	5.19	
*	15 1,4-Dichlorobenzene-d4	152	3.303	3.313	-0.010	98	147168	40.0	40.0	
	16 1,4-Dichlorobenzene	146	3.315	3.325	-0.010	88	29571	5.00	5.20	
	17 Benzyl alcohol	108	3.400	3.413	-0.013	91	17050	5.00	5.02	
	18 1,2-Dichlorobenzene	146	3.424	3.437	-0.013	88	27109	5.00	5.07	
	19 2-Methylphenol	108	3.480	3.496	-0.016	87	23477	5.00	5.15	
	20 2,2'-oxybis[1-chloropropane]	45	3.509	3.522	-0.013	56	37358	5.00	5.04	
	130 N-Methylaniline	106	3.595	3.608	-0.013	73	38899	NC	NC	
	21 Acetophenone	105	3.600	3.617	-0.017	84	38177	5.00	5.15	
	22 4-Methylphenol	108	3.597	3.617	-0.020	73	26232	5.00	4.99	
	23 3 & 4 Methylphenol	108	3.597	3.617	-0.020	96	26232	5.00	4.99	
	24 N-Nitrosodi-n-propylamine	70	3.603	3.622	-0.019	77	16345	5.00	4.99	
	25 Hexachloroethane	117	3.680	3.690	-0.010	92	11341	5.00	5.09	
$	26 Nitrobenzene-d5	82	3.712	3.728	-0.016	91	28166	5.00	4.76	
	27 Nitrobenzene	123	3.727	3.743	-0.016	89	13065	5.00	5.33	
	28 n,n'-Dimethylaniline	120	3.733	3.746	-0.013	83	39716	5.00	4.99	
	29 Isophorone	82	3.913	3.929	-0.016	99	51364	5.00	5.14	
	30 2-Nitrophenol	139	3.972	3.982	-0.010	86	12484	5.00	4.63	
	31 2,4-Dimethylphenol	122	4.010	4.023	-0.013	89	22165	5.00	4.94	
	32 Bis(2-chloroethoxy)methane	93	4.089	4.103	-0.014	95	31425	5.00	5.07	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
33 Benzoic acid	122	4.045	4.121	-0.076	30	12196	5.00	4.09	
34 2,4-Dichlorophenol	162	4.154	4.165	-0.011	94	21442	5.00	5.11	
35 1,2,4-Trichlorobenzene	180	4.222	4.233	-0.011	94	22578	5.00	5.10	
* 36 Naphthalene-d8	136	4.263	4.274	-0.011	100	580604	40.0	40.0	
37 Naphthalene	128	4.278	4.291	-0.013	90	75617	5.00	5.05	
38 4-Chloroaniline	127	4.325	4.339	-0.014	90	32473	5.00	5.03	
39 Hexachlorobutadiene	225	4.381	4.392	-0.011	92	13088	5.00	4.80	
40 Caprolactam	113	4.569	4.613	-0.044	89	7108	5.00	4.27	
41 4-Chloro-3-methylphenol	107	4.705	4.716	-0.011	95	22119	5.00	5.10	
42 2-Methylnaphthalene	142	4.814	4.822	-0.008	84	51769	5.00	5.03	
43 1-Methylnaphthalene	142	4.887	4.896	-0.009	91	48801	5.00	5.14	
44 Hexachlorocyclopentadiene	237	4.935	4.946	-0.012	84	12512	5.00	4.15	
45 1,2,4,5-Tetrachlorobenzene	216	4.937	4.949	-0.012	95	23311	NC	NC	
46 2-tertbutyl-4-methylphenol	149	4.982	4.993	-0.011	89	30995	5.00	4.83	
47 2,4,6-Trichlorophenol	196	5.029	5.040	-0.011	87	15633	5.00	4.91	
48 2,4,5-Trichlorophenol	196	5.052	5.064	-0.012	93	17574	5.00	4.98	
$ 50 2-Fluorobiphenyl	172	5.100	5.111	-0.011	97	58381	5.00	4.77	
51 1,1'-Biphenyl	154	5.173	5.185	-0.012	96	62220	5.00	4.95	
52 2-Chloronaphthalene	162	5.182	5.194	-0.012	96	48671	5.00	5.01	
53 Phenyl ether	170	5.256	5.267	-0.011	90	33859	5.00	4.89	
54 2-Nitroaniline	65	5.262	5.276	-0.014	85	19306	5.00	4.78	
55 1,3-Dimethylnaphthalene	156	5.350	5.362	-0.012	91	38443	5.00	4.77	
56 Dimethyl phthalate	163	5.415	5.432	-0.017	96	55459	5.00	4.95	
57 Coumarin	146	5.418	5.432	-0.014	73	18132	5.00	4.73	
58 2,6-Dinitrotoluene	165	5.453	5.471	-0.018	68	11672	5.00	4.91	
59 Acenaphthylene	152	5.494	5.506	-0.012	96	77484	5.00	4.99	
60 3-Nitroaniline	138	5.574	5.592	-0.018	92	14787	5.00	5.15	
* 61 Acenaphthene-d10	164	5.603	5.612	-0.009	98	344411	40.0	40.0	
62 Acenaphthene	154	5.627	5.639	-0.012	81	43893	5.00	4.90	
63 3,5-di-tert-butyl-4-hydroxytol	205	5.639	5.651	-0.012	82	40826	5.00	4.78	
64 2,4-Dinitrophenol	184	5.653	5.671	-0.018	52	8146	10.0	9.29	
65 4-Nitrophenol	65	5.707	5.727	-0.020	92	21566	10.0	9.24	
67 2,4-Dinitrotoluene	165	5.754	5.769	-0.015	69	15975	5.00	4.99	
66 Dibenzofuran	168	5.760	5.772	-0.012	92	69127	5.00	5.04	
68 2,3,4,6-Tetrachlorophenol	232	5.851	5.863	-0.012	91	13084	NC	NC	
69 Diethyl phthalate	149	5.954	5.972	-0.018	97	55731	5.00	4.91	
70 Fluorene	166	6.016	6.028	-0.012	82	55130	5.00	5.01	
71 4-Chlorophenyl phenyl ether	204	6.028	6.037	-0.009	84	26925	5.00	5.07	
72 4-Nitroaniline	138	6.031	6.058	-0.027	86	14453	5.00	5.12	
73 4,6-Dinitro-2-methylphenol	198	6.057	6.076	-0.019	46	13807	10.0	9.57	
74 N-Nitrosodiphenylamine	169	6.116	6.129	-0.013	16	40527	5.00	5.03	
75 1,2-Diphenylhydrazine	77	6.146	6.158	-0.012	45	58942	5.00	5.03	
$ 76 2,4,6-Tribromophenol	330	6.196	6.208	-0.012	93	11114	5.00	4.86	
77 4-Bromophenyl phenyl ether	248	6.393	6.403	-0.010	86	15620	5.00	4.83	
78 Hexachlorobenzene	284	6.426	6.436	-0.010	86	20163	5.00	5.10	
79 Atrazine	200	6.526	6.542	-0.016	87	14484	5.00	4.71	
80 Pentachlorophenol	266	6.576	6.589	-0.013	89	23038	10.0	9.56	
81 Pentachloronitrobenzene	237	6.585	6.598	-0.013	81	7193	5.00	4.62	
82 n-Octadecane	57	6.676	6.686	-0.010	92	41843	5.00	4.58	
* 83 Phenanthrene-d10	188	6.721	6.731	-0.011	99	613212	40.0	40.0	
84 Phenanthrene	178	6.735	6.748	-0.013	98	80435	5.00	5.03	
85 Anthracene	178	6.774	6.787	-0.013	97	77704	5.00	4.76	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
87 Carbazole	167	6.900	6.914	-0.014	83	73300	5.00	4.87	
88 Di-n-butyl phthalate	149	7.186	7.200	-0.014	100	89987	5.00	4.67	
89 Fluoranthene	202	7.626	7.639	-0.013	97	81668	5.00	4.75	
90 Benzidine	184	7.741	7.754	-0.013	98	41563	5.00	4.51	
91 Pyrene	202	7.794	7.807	-0.013	97	86003	5.00	4.88	
92 Bisphenol-A	213	7.850	7.863	-0.013	98	35240	NC	NC	
$ 93 Terphenyl-d14	244	7.927	7.940	-0.013	98	69749	5.00	4.68	
95 Butyl benzyl phthalate	149	8.316	8.333	-0.017	98	38939	5.00	4.75	
97 Carbamazepine	193	8.381	8.407	-0.026	90	32432	NC	NC	
99 3,3'-Dichlorobenzidine	252	8.738	8.758	-0.020	98	30229	5.00	4.66	
100 Benzo[a]anthracene	228	8.750	8.767	-0.017	62	82377	5.00	4.85	
* 98 Chrysene-d12	240	8.758	8.776	-0.018	99	560644	40.0	40.0	
101 Chrysene	228	8.779	8.799	-0.020	92	85877	5.00	5.07	
102 Bis(2-ethylhexyl) phthalate	149	8.820	8.838	-0.018	88	58212	5.00	4.78	
103 Di-n-octyl phthalate	149	9.449	9.472	-0.023	97	92278	5.00	4.44	
104 Benzo[b]fluoranthene	252	9.765	9.794	-0.029	95	71725	5.00	4.80	
105 Benzo[k]fluoranthene	252	9.794	9.827	-0.032	100	88379	5.00	4.98	
106 Benzo[a]pyrene	252	10.098	10.127	-0.029	96	73172	5.00	4.84	
* 107 Perylene-d12	264	10.160	10.187	-0.027	98	589154	40.0	40.0	
108 Indeno[1,2,3-cd]pyrene	276	11.270	11.310	-0.040	94	54362	5.00	4.46	M
109 Dibenz(a,h)anthracene	278	11.303	11.342	-0.039	43	68281	5.00	4.82	
110 Benzo[g,h,i]perylene	276	11.542	11.594	-0.052	92	76647	5.00	4.67	
S 117 Total Cresols	1				0			10.1	
131 2,6-Dichlorophenol	162	4.328	4.342	-0.014	87	21156	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

SV_BNA_L4_00003 Amount Added: 1.00 Units: mL

Report Date: 30-Mar-2022 11:19:55 Chrom Revision: 2.3 18-Mar-2022 09:07:22

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS15\20220330-143392.b\f460650.D

Injection Date: 30-Mar-2022 10:00:14 Instrument ID: CBNAMS15 Operator ID:

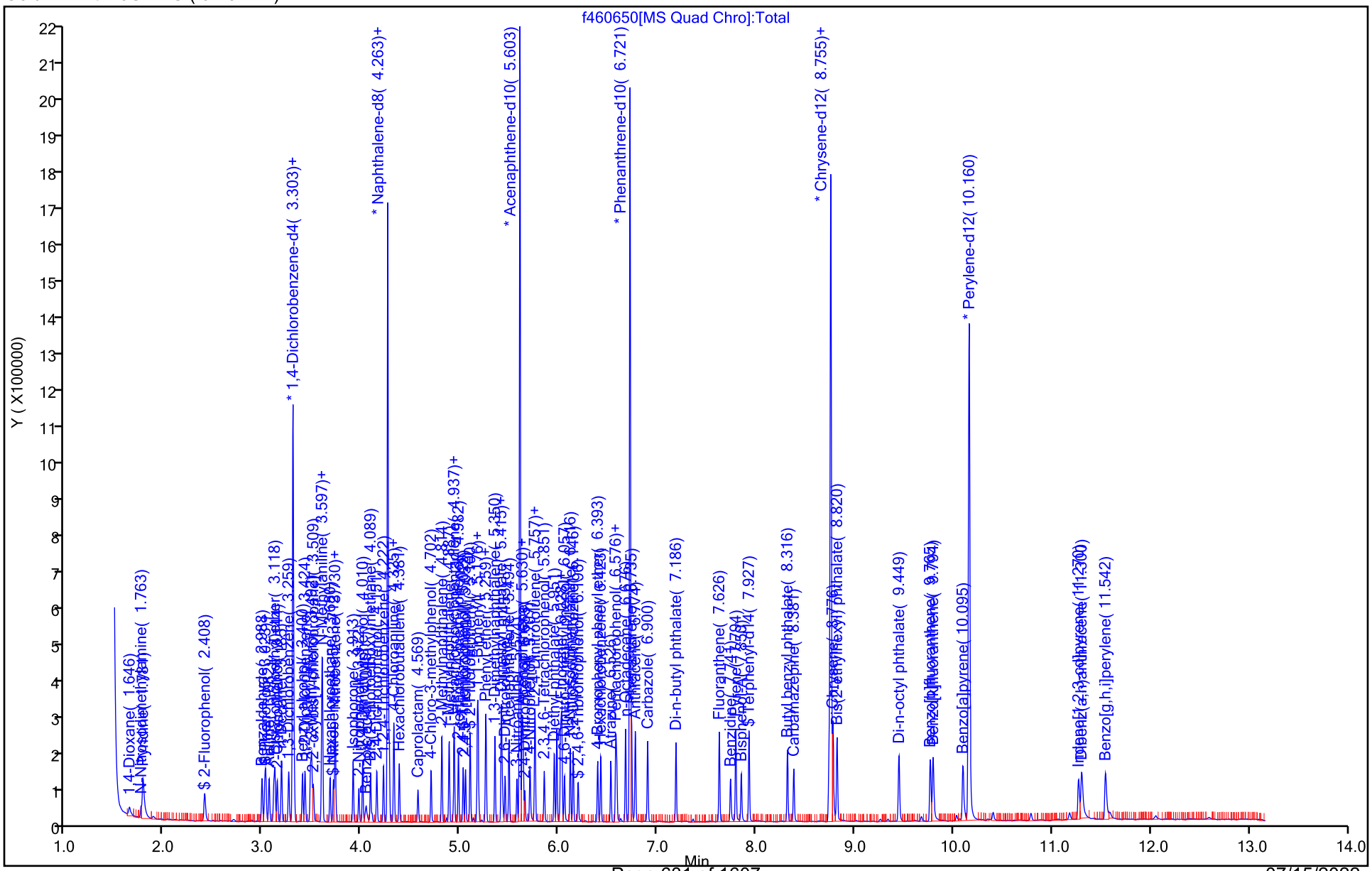
Lims ID: STD5 Worklist Smp#: 7

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 8270_15R_9 Limit Group: SV 8270 DEL ICAL

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS15\20220330-143392.b\f460651.D
Lims ID: STD2
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 30-Mar-2022 10:17:28 ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0143392-008
Operator ID: Instrument ID: CBNAMS15
Sublist: chrom-8270_15R_9*sub17

Method: \\chromfs\Edison\ChromData\CBNAMS15\20220330-143392.b\8270_15R_9.m
Limit Group: SV 8270 DEL ICAL
Last Update: 30-Mar-2022 11:19:59 Calib Date: 30-Mar-2022 10:52:03
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS15\20220330-143392.b\f460653.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1603

First Level Reviewer: johnstonm1 Date: 30-Mar-2022 10:38:15

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.646	1.649	-0.003	81	3682	2.00	1.91	
	3 Pyridine	79	1.784	1.787	-0.003	84	19474	4.00	3.97	
$	5 2-Fluorophenol	112	2.405	2.417	-0.012	93	12541	2.00	2.40	
	7 Benzaldehyde	77	2.988	3.001	-0.013	90	8772	2.00	2.09	
$	8 Phenol-d5	99	3.018	3.033	-0.015	84	15100	2.00	2.36	
	11 Bis(2-chloroethyl)ether	93	3.106	3.122	-0.016	90	9938	2.00	1.99	
*	15 1,4-Dichlorobenzene-d4	152	3.303	3.313	-0.010	97	146985	40.0	40.0	
	24 N-Nitrosodi-n-propylamine	70	3.604	3.622	-0.018	80	6240	2.00	1.91	
	25 Hexachloroethane	117	3.677	3.690	-0.013	92	4218	2.00	1.90	
$	26 Nitrobenzene-d5	82	3.713	3.728	-0.016	93	13512	2.00	2.30	
	27 Nitrobenzene	123	3.727	3.743	-0.016	89	4694	2.00	1.92	
	28 n,n'-Dimethylaniline	120	3.733	3.746	-0.013	82	15250	2.00	1.92	
	29 Isophorone	82	3.913	3.929	-0.016	99	19466	2.00	1.96	
	34 2,4-Dichlorophenol	162	4.154	4.165	-0.011	92	7721	2.00	1.85	
	35 1,2,4-Trichlorobenzene	180	4.222	4.233	-0.011	94	8612	2.00	1.96	
*	36 Naphthalene-d8	136	4.263	4.274	-0.011	100	576568	40.0	40.0	
	39 Hexachlorobutadiene	225	4.381	4.392	-0.011	87	5022	2.00	1.86	
	40 Caprolactam	113	4.563	4.613	-0.050	86	2806	2.00	1.70	
	47 2,4,6-Trichlorophenol	196	5.028	5.040	-0.012	84	5232	2.00	1.66	
$	50 2-Fluorobiphenyl	172	5.099	5.111	-0.012	97	27967	2.00	2.30	
	58 2,6-Dinitrotoluene	165	5.455	5.471	-0.016	67	4166	2.00	1.76	
*	61 Acenaphthene-d10	164	5.602	5.612	-0.010	98	341907	40.0	40.0	
	64 2,4-Dinitrophenol	184	5.655	5.671	-0.016	32	1665	4.00	5.12	
	67 2,4-Dinitrotoluene	165	5.752	5.769	-0.017	69	5197	2.00	1.64	
	73 4,6-Dinitro-2-methylphenol	198	6.056	6.076	-0.020	29	3611	4.00	4.11	
$	76 2,4,6-Tribromophenol	330	6.194	6.208	-0.014	89	4880	2.00	2.15	
	78 Hexachlorobenzene	284	6.424	6.436	-0.012	93	7256	2.00	1.86	
	79 Atrazine	200	6.527	6.542	-0.015	87	5830	2.00	1.93	
	80 Pentachlorophenol	266	6.577	6.589	-0.012	89	7489	4.00	3.15	
*	83 Phenanthrene-d10	188	6.719	6.731	-0.012	99	604148	40.0	40.0	
$	93 Terphenyl-d14	244	7.927	7.940	-0.013	97	33840	2.00	2.31	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
99 3,3'-Dichlorobenzidine	252	8.740	8.758	-0.018	91	11353	2.00	1.78	
100 Benzo[a]anthracene	228	8.748	8.767	-0.019	53	31310	2.00	1.87	
* 98 Chrysene-d12	240	8.757	8.776	-0.019	99	552037	40.0	40.0	
104 Benzo[b]fluoranthene	252	9.765	9.794	-0.029	96	24429	2.00	1.67	
105 Benzo[k]fluoranthene	252	9.795	9.827	-0.031	99	31674	2.00	1.83	
106 Benzo[a]pyrene	252	10.098	10.127	-0.029	96	26470	2.00	1.79	
* 107 Perylene-d12	264	10.160	10.187	-0.027	99	575294	40.0	40.0	
108 Indeno[1,2,3-cd]pyrene	276	11.273	11.310	-0.037	98	17733	2.00	1.49	M
109 Dibenz(a,h)anthracene	278	11.306	11.342	-0.036	53	23696	2.00	1.71	
131 2,6-Dichlorophenol	162	4.328	4.342	-0.014	87	7750	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Review Flags

M - Manually Integrated

Reagents:

SV_BNA_L3_00003 Amount Added: 1.00 Units: mL

Report Date: 30-Mar-2022 11:20:00 Chrom Revision: 2.3 18-Mar-2022 09:07:22

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS15\20220330-143392.b\f460651.D

Injection Date: 30-Mar-2022 10:17:28 Instrument ID: CBNAMS15 Operator ID:

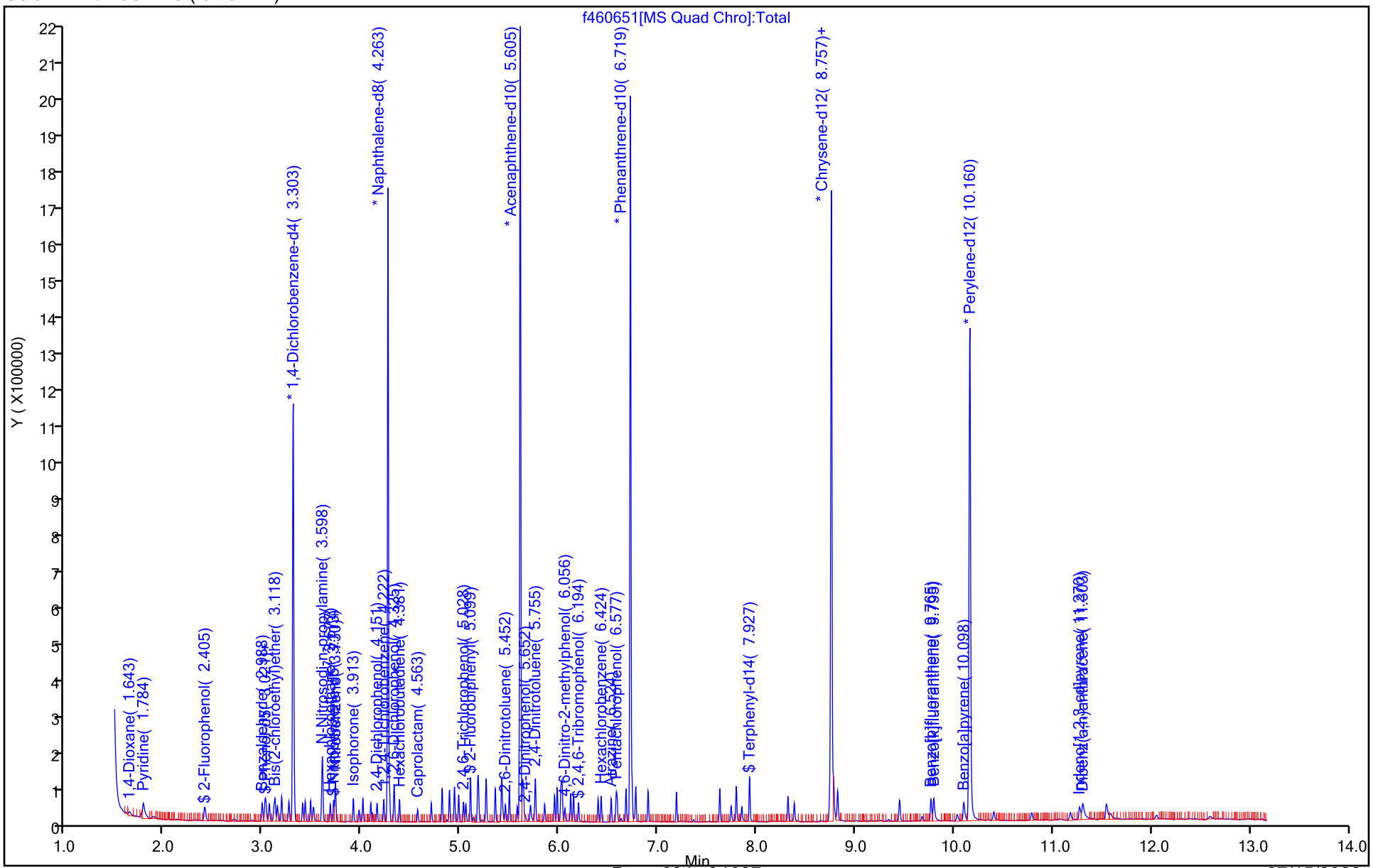
Lims ID: STD2 Worklist Smp#: 8

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 8270_15R_9 Limit Group: SV 8270 DEL ICAL

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS15\20220330-143392.b\f460652.D
Lims ID: STD1
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 30-Mar-2022 10:34:44 ALS Bottle#: 0 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0143392-009
Operator ID: Instrument ID: CBNAMS15
Sublist: chrom-8270_15R_9*sub17

Method: \\chromfs\Edison\ChromData\CBNAMS15\20220330-143392.b\8270_15R_9.m
Limit Group: SV 8270 DEL ICAL
Last Update: 30-Mar-2022 11:20:03 Calib Date: 30-Mar-2022 10:52:03
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS15\20220330-143392.b\f460653.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1603

First Level Reviewer: johnstonm1 Date: 30-Mar-2022 10:51:33

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.649	1.649	0.000	87	1661	1.00	0.8652	
	3 Pyridine	79	1.787	1.787	0.000	87	9953	2.00	2.04	
$	5 2-Fluorophenol	112	2.406	2.417	-0.011	90	5682	1.00	1.09	
	7 Benzaldehyde	77	2.989	3.001	-0.012	92	4689	1.00	1.13	
$	8 Phenol-d5	99	3.018	3.033	-0.015	84	6929	1.00	1.09	
	11 Bis(2-chloroethyl)ether	93	3.107	3.122	-0.015	80	4774	1.00	0.9631	
*	15 1,4-Dichlorobenzene-d4	152	3.301	3.313	-0.012	97	146166	40.0	40.0	
	24 N-Nitrosodi-n-propylamine	70	3.605	3.622	-0.017	83	3184	1.00	0.9784	
	25 Hexachloroethane	117	3.678	3.690	-0.012	88	2236	1.00	1.01	
$	26 Nitrobenzene-d5	82	3.713	3.728	-0.015	90	6102	1.00	1.04	
	27 Nitrobenzene	123	3.728	3.743	-0.015	89	2354	1.00	0.9670	
	28 n,n'-Dimethylaniline	120	3.731	3.746	-0.015	77	7631	1.00	0.9653	
	35 1,2,4-Trichlorobenzene	180	4.220	4.233	-0.013	91	4499	1.00	1.02	
*	36 Naphthalene-d8	136	4.264	4.274	-0.010	100	576721	40.0	40.0	
	39 Hexachlorobutadiene	225	4.382	4.392	-0.010	86	2993	1.00	1.11	
	40 Caprolactam	113	4.564	4.613	-0.049	84	1447	1.00	0.8752	
$	50 2-Fluorobiphenyl	172	5.100	5.111	-0.011	97	12885	1.00	1.06	
	58 2,6-Dinitrotoluene	165	5.454	5.471	-0.017	71	1899	1.00	0.8036	
*	61 Acenaphthene-d10	164	5.604	5.612	-0.008	98	342030	40.0	40.0	
	67 2,4-Dinitrotoluene	165	5.754	5.769	-0.015	56	2545	1.00	0.8006	
$	76 2,4,6-Tribromophenol	330	6.193	6.208	-0.015	82	2118	1.00	0.9332	
	78 Hexachlorobenzene	284	6.423	6.436	-0.013	89	4110	1.00	1.04	
	79 Atrazine	200	6.526	6.542	-0.016	86	3090	1.00	1.01	
*	83 Phenanthrene-d10	188	6.720	6.731	-0.011	99	612629	40.0	40.0	
$	93 Terphenyl-d14	244	7.928	7.940	-0.012	97	15164	1.00	1.05	
	100 Benzo[a]anthracene	228	8.747	8.767	-0.020	50	16516	1.00	1.00	
*	98 Chrysene-d12	240	8.756	8.776	-0.020	99	542937	40.0	40.0	
	104 Benzo[b]fluoranthene	252	9.764	9.794	-0.030	97	11959	1.00	0.8238	
	105 Benzo[k]fluoranthene	252	9.794	9.827	-0.032	95	17014	1.00	0.9872	
	106 Benzo[a]pyrene	252	10.097	10.127	-0.030	96	12433	1.00	0.8465	
*	107 Perylene-d12	264	10.159	10.187	-0.028	99	572281	40.0	40.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
108 Indeno[1,2,3-cd]pyrene	276	11.274	11.310	-0.036	96	7995	1.00	0.6760	M
109 Dibenz(a,h)anthracene	278	11.307	11.342	-0.035	39	11119	1.00	0.8083	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

SV_BNA_L2_00003 Amount Added: 1.00 Units: mL

Report Date: 30-Mar-2022 11:20:04 Chrom Revision: 2.3 18-Mar-2022 09:07:22

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS15\20220330-143392.b\f460652.D

Injection Date: 30-Mar-2022 10:34:44 Instrument ID: CBNAMS15 Operator ID:

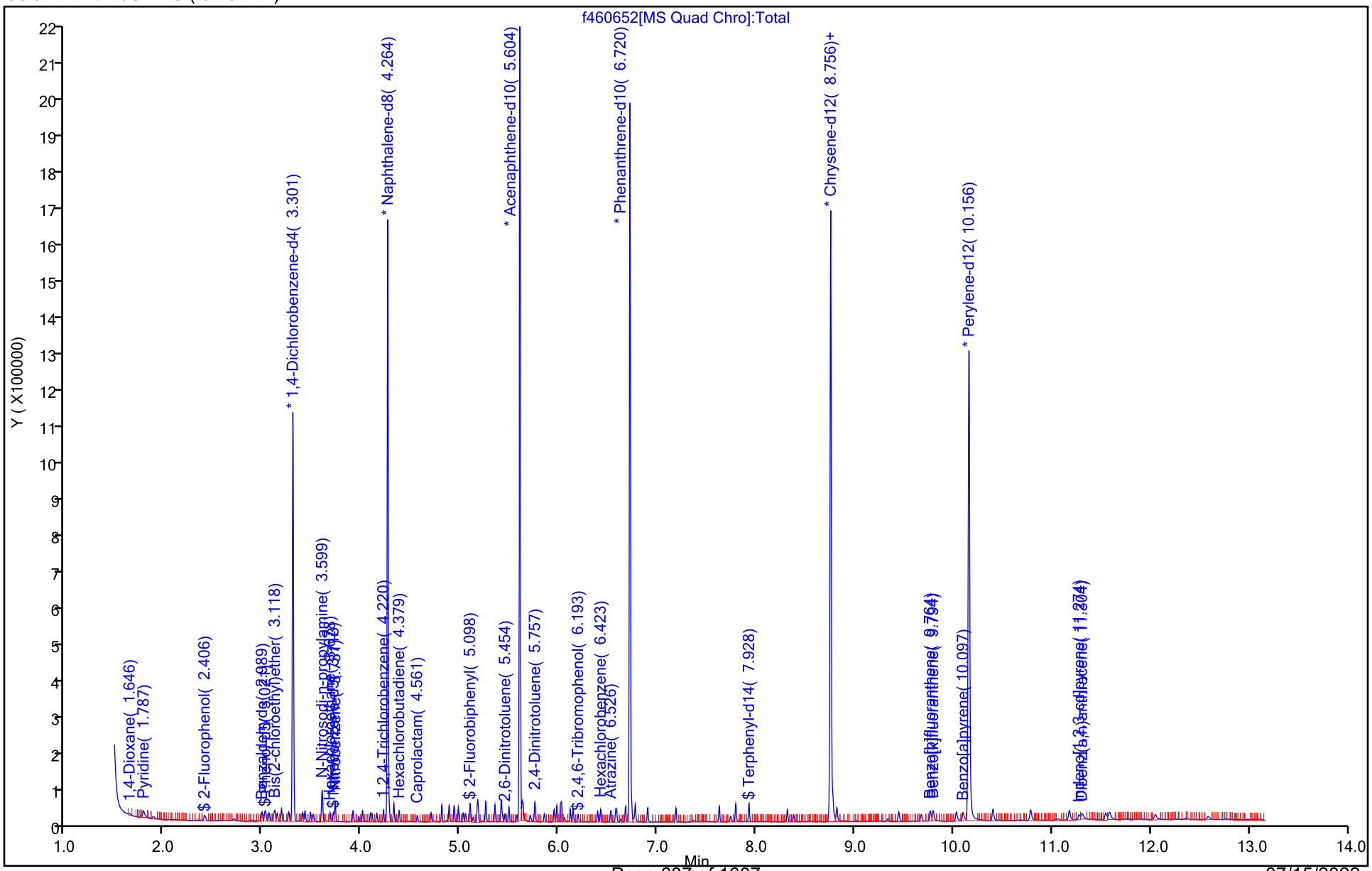
Lims ID: STD1 Worklist Smp#: 9

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 8270_15R_9 Limit Group: SV 8270 DEL ICAL

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS15\20220330-143392.b\f460653.D
Lims ID: STD05
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 30-Mar-2022 10:52:03 ALS Bottle#: 0 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0143392-010
Operator ID: Instrument ID: CBNAMS15
Sublist: chrom-8270_15R_9*sub17

Method: \\chromfs\Edison\ChromData\CBNAMS15\20220330-143392.b\8270_15R_9.m
Limit Group: SV 8270 DEL ICAL
Last Update: 30-Mar-2022 11:20:07 Calib Date: 30-Mar-2022 10:52:03
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS15\20220330-143392.b\f460653.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1603

First Level Reviewer: johnstonm1 Date: 30-Mar-2022 11:09:16

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.649	1.649	0.000	69	1084	0.5000	0.5718	
$ 8 Phenol-d5	99	3.016	3.033	-0.017	92	3120	0.5000	0.4959	
11 Bis(2-chloroethyl)ether	93	3.108	3.122	-0.014	83	2477	0.5000	0.5060	
* 15 1,4-Dichlorobenzene-d4	152	3.302	3.313	-0.011	98	144346	40.0	40.0	
24 N-Nitrosodi-n-propylamine	70	3.603	3.622	-0.019	74	1784	0.5000	0.5551	
25 Hexachloroethane	117	3.680	3.690	-0.010	81	1064	0.5000	0.4868	
$ 26 Nitrobenzene-d5	82	3.712	3.728	-0.016	87	3107	0.5000	0.5294	
27 Nitrobenzene	123	3.727	3.743	-0.016	87	1004	0.5000	0.4176	
28 n,n'-Dimethylaniline	120	3.733	3.746	-0.013	86	4040	0.5000	0.5175	
35 1,2,4-Trichlorobenzene	180	4.222	4.233	-0.011	83	2018	0.5000	0.4596	
* 36 Naphthalene-d8	136	4.263	4.274	-0.011	100	575450	40.0	40.0	
$ 50 2-Fluorobiphenyl	172	5.099	5.111	-0.012	94	6367	0.5000	0.5332	
* 61 Acenaphthene-d10	164	5.603	5.612	-0.009	98	335712	40.0	40.0	
78 Hexachlorobenzene	284	6.425	6.436	-0.011	78	1788	0.5000	0.4617	
* 83 Phenanthrene-d10	188	6.720	6.731	-0.011	99	600196	40.0	40.0	
$ 93 Terphenyl-d14	244	7.928	7.940	-0.012	94	6744	0.5000	0.4713	
100 Benzo[a]anthracene	228	8.750	8.767	-0.017	47	8629	0.5000	0.5293	
* 98 Chrysene-d12	240	8.756	8.776	-0.020	99	538150	40.0	40.0	
104 Benzo[b]fluoranthene	252	9.770	9.794	-0.024	93	5916	0.5000	0.4132	
105 Benzo[k]fluoranthene	252	9.797	9.827	-0.029	94	8050	0.5000	0.4736	
106 Benzo[a]pyrene	252	10.100	10.127	-0.027	95	5999	0.5000	0.4141	
* 107 Perylene-d12	264	10.159	10.187	-0.028	98	564456	40.0	40.0	
108 Indeno[1,2,3-cd]pyrene	276	11.277	11.310	-0.033	87	3209	0.5000	0.2751	M
109 Dibenz(a,h)anthracene	278	11.315	11.342	-0.027	51	4061	0.5000	0.2993	

QC Flag Legend
Processing Flags

Review Flags
M - Manually Integrated

Reagents:

SV_BNA_L1_00003 Amount Added: 1.00 Units: mL

Report Date: 30-Mar-2022 11:20:08 Chrom Revision: 2.3 18-Mar-2022 09:07:22

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS15\20220330-143392.b\f460653.D

Injection Date: 30-Mar-2022 10:52:03 Instrument ID: CBNAMS15 Operator ID:

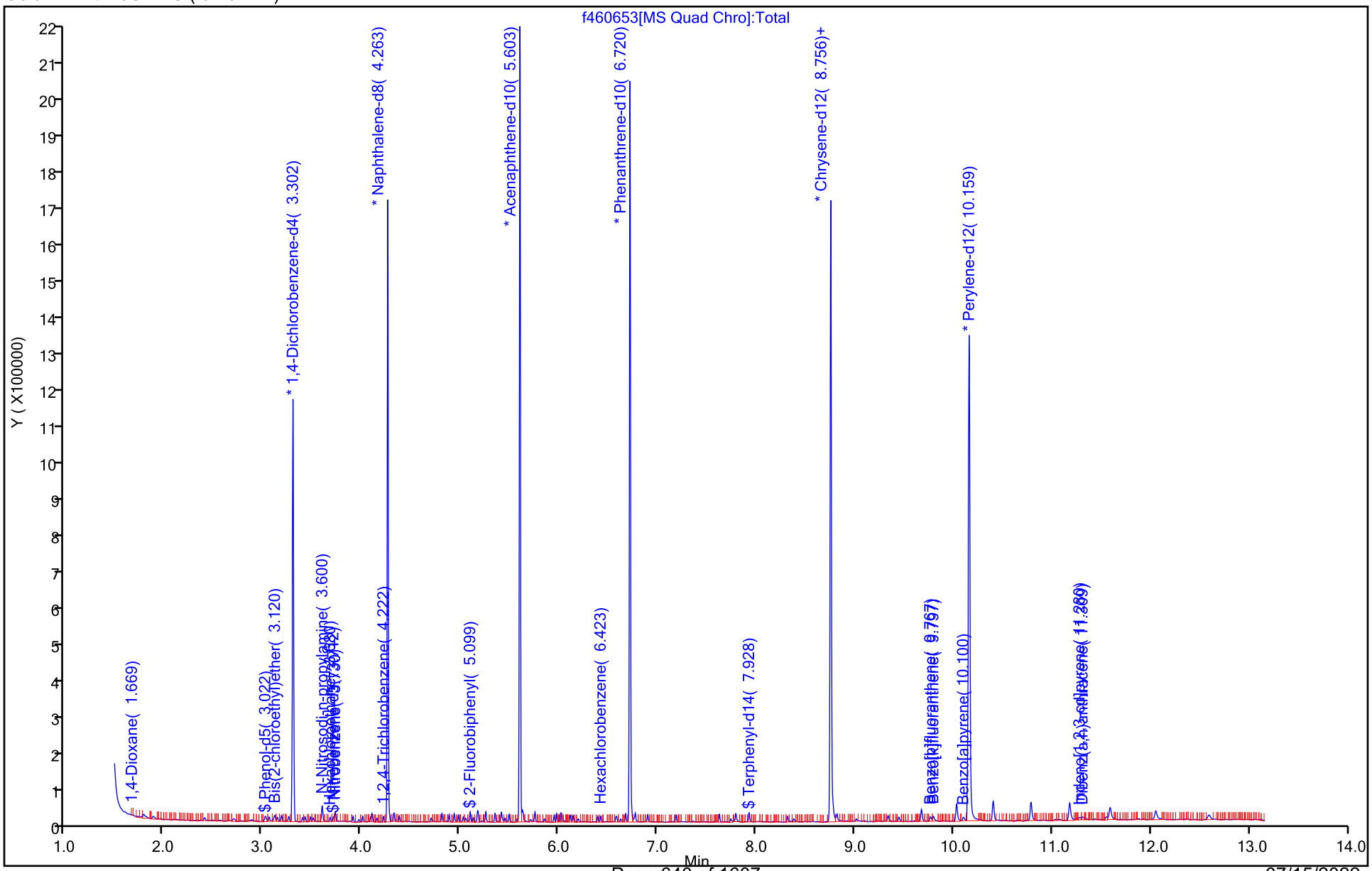
Lims ID: STD05 Worklist Smp#: 10

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 8270_15R_9 Limit Group: SV 8270 DEL ICAL

Column: Rtxi-5Sil MS (0.25 mm)



FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-260852-1 Analy Batch No.: 847814

SDG No.:

Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/03/2022 06:21 Calibration End Date: 06/03/2022 09:29 Calibration ID: 90648

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD05 460-847814/10	X41882.d
Level 2	STD1 460-847814/9	X41881.d
Level 3	STD2 460-847814/8	X41880.d
Level 4	STD5 460-847814/7	X41879.d
Level 5	STD10 460-847814/6	X41878.d
Level 6	STD20 460-847814/5	X41877.d
Level 7	ICIS 460-847814/2	X41874.d
Level 8	STD80 460-847814/4	X41876.d
Level 9	STD120 460-847814/3	X41875.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		B	M1	M2								
1,4-Dioxane	0.5441 0.4962	0.5186 0.5172	0.5020 0.5025	0.5365 0.4807	0.5318	Ave		0.5144			0.0500	4.0		30.0			
N-Nitrosodimethylamine	0.8731	0.8996	0.8876	0.9443 0.8542	0.9195	Ave		0.8964			0.0500	3.6		30.0			
Pyridine	1.3546	1.3983 1.2822	1.3358 1.3486	1.4013 1.2941	1.4025	Ave		1.3522			0.0500	3.5		30.0			
Benzaldehyde	1.1195	1.3246 +++++	1.3247 +++++	1.2724 +++++	1.1667	Ave		1.2415			0.0500	7.6		30.0			
Phenol	1.6992	1.7888	1.8270	1.8007 1.7452	1.7779	Ave		1.7731			0.0500	2.5		30.0			
Aniline	2.1292	2.1442	2.1479	2.2013 2.0796	2.2096	Ave		2.1520			0.0500	2.2		30.0			
Bis(2-chloroethyl)ether	1.3616 1.3146	1.4408 1.3302	1.3627 1.2749	1.4001 1.2244	1.4126	Ave		1.3469			0.0500	5.1		30.0			
2-Chlorophenol	1.4191	1.4999	1.4152	1.5297 1.3489	1.4944	Ave		1.4512			0.0500	4.7		30.0			
n-Decane	1.9339	1.8857	1.8270	2.0506 1.7395	1.9915	Ave		1.9047			0.0500	5.9		30.0			
1,3-Dichlorobenzene	1.5347	1.5924	1.4719	1.6791 1.4059	1.5983	Ave		1.5470			0.0500	6.3		30.0			
1,4-Dichlorobenzene	1.5409	1.5760	1.4874	1.6780 1.4000	1.6274	Ave		1.5516			0.0500	6.4		30.0			
Benzyl alcohol	0.8979	0.9394	0.9115	0.9399 0.8670	0.9013	Ave		0.9095			0.0500	3.0		30.0			

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 Edison Job No.: 460-260852-1 Analy Batch No.: 847814

SDG No.:

Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/03/2022 06:21 Calibration End Date: 06/03/2022 09:29 Calibration ID: 90648

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		B	M1	M2								
1,2-Dichlorobenzene	1.4732	1.5206	1.4163	1.5555 1.3359	1.5497	Ave		1.4752			0.0500	5.8		30.0			
2-Methylphenol	1.2222	1.2744	1.2167	1.3310 1.1386	1.2678	Ave		1.2418			0.0500	5.3		30.0			
2,2'-oxybis[1-chloropropane]	2.3679	2.3320	2.2935	2.5362 2.1781	2.4347	Ave		2.3571			0.0500	5.2		30.0			
3 & 4 Methylphenol	1.3565	1.3402	1.2633	1.4701 1.1883	1.4332	Ave		1.3419			0.0500	7.8		30.0			
4-Methylphenol	1.3565	1.3402	1.2633	1.4701 1.1883	1.4332	Ave		1.3419			0.0500	7.8		30.0			
N-Nitrosodi-n-propylamine	1.1044 1.0256	1.0928 1.0081	1.0517 0.9737	1.1192 0.9383	1.0611	Ave		1.0417			0.0500	5.9		30.0			
Acetophenone	1.9255	1.8827	1.6919	2.1133 1.5477	2.0401	Ave		1.8669			0.0500	11.4		30.0			
Hexachloroethane	0.6252 0.5715	0.6276 0.6062	0.5660 0.5720	0.6242 0.5499	0.6118	Ave		0.5949			0.0500	5.0		30.0			
Nitrobenzene	0.7042 0.6457	0.7019 0.6438	0.6428 0.6107	0.6670 0.5651	0.6720	Ave		0.6504			0.0500	6.7		30.0			
n,n'-Dimethylaniline	2.2126 2.1523	2.3825 2.0986	2.2307 1.9647	2.2586 1.8656	2.1500	Ave		2.1462			0.0500	7.3		30.0			
Isophorone	0.7106	0.7428	0.6956 0.6889	0.7311 0.6628	0.7301	Ave		0.7088			0.0500	4.0		30.0			
2-Nitrophenol	0.1690	0.1865	0.1763	0.1681 0.1684	0.1731	Ave		0.1736			0.0500	4.1		30.0			
2,4-Dimethylphenol	0.3307	0.3472	0.3073	0.3497 0.3014	0.3465	Ave		0.3305			0.0500	6.5		30.0			
Benzoic acid	0.1649	0.1855	0.2013	0.0797 0.2045	0.1085	Lin2	-0.671	0.2011			0.0500				0.9920		0.9900
Bis(2-chloroethoxy)methane	0.4362	0.4515	0.4069	0.4568 0.3873	0.4506	Ave		0.4315			0.0500	6.5		30.0			
2,4-Dichlorophenol	0.2881	0.3013	0.2693 0.2819	0.2886 0.2722	0.2967	Ave		0.2854			0.0500	4.2		30.0			
1,2,4-Trichlorobenzene	0.3110 0.3080	0.3015 0.3235	0.2994 0.2907	0.3341 0.2782	0.3107	Ave		0.3063			0.0500	5.4		30.0			
Naphthalene	1.0420	1.0599	0.9692	1.1107 0.9120	1.0963	Ave		1.0317			0.0500	7.5		30.0			

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 Edison Job No.: 460-260852-1 Analy Batch No.: 847814

SDG No.:

Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/03/2022 06:21 Calibration End Date: 06/03/2022 09:29 Calibration ID: 90648

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		B	M1	M2								
4-Chloroaniline	0.4581	0.4599	0.4163	0.4692 0.3946	0.4782	Ave		0.4461			0.0500	7.4		30.0			
2,6-Dichlorophenol	0.2778	0.2811	0.2717 0.2599	0.2848 0.2485	0.2855	Lin2	0.0169	0.2706			0.0500				0.9970		0.9900
Hexachlorobutadiene	0.1811	0.1937 0.1860	0.1725 0.1744	0.1858 0.1664	0.1911	Ave		0.1814			0.0500	5.3		30.0			
Caprolactam	0.0928	0.0880 0.0969	0.0840 0.0969	0.0852 0.1221	0.0893	Ave		0.0944			0.0500	12.9		30.0			
4-Chloro-3-methylphenol	0.2928	0.3073	0.2878	0.2985 0.2841	0.2972	Ave		0.2946			0.0500	2.8		30.0			
2-Methylnaphthalene	0.6985	0.6750	0.6569	0.7436 0.6117	0.7209	Ave		0.6844			0.0500	6.9		30.0			
1-Methylnaphthalene	0.6318	0.6409	0.5970	0.6732 0.5601	0.6636	Ave		0.6278			0.0500	6.8		30.0			
Hexachlorocyclopentadiene	0.4631	0.4726	0.4423	0.4687 0.4216	0.4727	Ave		0.4568			0.0500	4.5		30.0			
2-tertbutyl-4-methylphenol	0.4284	0.4242	0.4073	0.4135 0.3862	0.4162	Ave		0.4126			0.0500	3.6		30.0			
2,4,6-Trichlorophenol	0.4126	0.4359	0.3726 0.3816	0.3901 0.3764	0.3873	Ave		0.3938			0.0500	5.8		30.0			
2,4,5-Trichlorophenol	0.4130	0.4635	0.4261	0.4507 0.3847	0.4533	Ave		0.4319			0.0500	6.9		30.0			
1,1'-Biphenyl	1.5388	1.6332	1.4348	1.6726 1.3146	1.6243	Ave		1.5364			0.0500	9.0		30.0			
2-Chloronaphthalene	1.1813	1.2665	1.0913	1.2675 1.0249	1.2288	Ave		1.1767			0.0500	8.4		30.0			
Phenyl ether	0.8533	0.8944	0.8098	0.8611 0.7859	0.8523	Ave		0.8428			0.0500	4.6		30.0			
2-Nitroaniline	0.4495	0.4838	0.4506	0.4437 0.4339	0.4432	Ave		0.4508			0.0500	3.8		30.0			
1,3-Dimethylnaphthalene	0.9683	1.0224	0.9226	0.9817 0.8728	0.9538	Ave		0.9536			0.0500	5.4		30.0			
Dimethyl phthalate	1.3411	1.4056	1.2730	1.4219 1.1558	1.4036	Ave		1.3335			0.0500	7.7		30.0			
Coumarin	0.2470	0.2444	0.2390	0.2486 0.2281	0.2437	Ave		0.2418			0.0500	3.1		30.0			

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 Edison Job No.: 460-260852-1 Analy Batch No.: 847814

SDG No.:

Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/03/2022 06:21 Calibration End Date: 06/03/2022 09:29 Calibration ID: 90648

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		B	M1	M2								
2,6-Dinitrotoluene	0.2832	0.2460 0.3045	0.2488 0.2859	0.2754 0.2686	0.2905	Ave		0.2754			0.0500	7.3		30.0			
Acenaphthylene	1.9673	1.9261	1.8491	2.0565 1.7272	2.0642	Ave		1.9318			0.0500	6.7		30.0			
3-Nitroaniline	0.3352	0.3631	0.3355	0.3271 0.3193	0.3431	Ave		0.3372			0.0500	4.5		30.0			
3,5-di-tert-butyl-4-hydroxytol	1.0274	1.0122	0.9134	1.0571 0.8560	1.0025	Ave		0.9781			0.0500	7.9		30.0			
Acenaphthene	1.2359	1.1689	0.9686	1.2735 0.8729	1.2713	Ave		1.1319			0.0500	15.1		30.0			
2,4-Dinitrophenol	0.1283	0.1429	0.0531 0.1586	0.0804 0.1565	0.1142	Lin1	-0.585	0.1564			0.0500	14.6					
4-Nitrophenol	0.2436	0.2523	0.2607	0.1985 0.2457	0.2332	Ave		0.2390			0.0500	9.1		30.0			
2,4-Dinitrotoluene	0.3808	0.3288 0.4164	0.3102 0.3770	0.3467 0.3460	0.3716	Ave		0.3597			0.0500	9.3		30.0			
Dibenzofuran	1.6282	1.7023	1.5210	1.7672 1.4019	1.7042	Ave		1.6208			0.0500	8.4		30.0			
Diethyl phthalate	1.3869	1.4836	1.3266	1.4351 1.2296	1.4261	Ave		1.3813			0.0500	6.6		30.0			
Fluorene	1.3115	1.3651	1.1770	1.3922 1.0586	1.3499	Ave		1.2757			0.0500	10.2		30.0			
4-Chlorophenyl phenyl ether	0.6045	0.6306	0.5357	0.6666 0.4889	0.6346	Ave		0.5935			0.0500	11.4		30.0			
4-Nitroaniline	0.3382	0.3690	0.3493	0.3201 0.3196	0.3378	Ave		0.3390			0.0500	5.5		30.0			
4,6-Dinitro-2-methylphenol	0.1031	0.1111	0.0689 0.1109	0.0860 0.1080	0.0982	Ave		0.0980			0.0500	15.9		30.0			
N-Nitrosodiphenylamine	0.5339	0.5519	0.5104	0.5681 0.4873	0.5721	Ave		0.5373			0.0500	6.2		30.0			
1,2-Diphenylhydrazine	0.7687	0.7967	0.7297	0.8028 0.7073	0.8149	Ave		0.7700			0.0500	5.6		30.0			
4-Bromophenyl phenyl ether	0.2230	0.2368	0.2164	0.2362 0.2063	0.2354	Ave		0.2257			0.0500	5.6		30.0			
Hexachlorobenzene	0.2853 0.2866	0.3122 0.3082	0.2853 0.2803	0.3044 0.2678	0.3046	Ave		0.2928			0.0500	5.1		30.0			

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 Edison Job No.: 460-260852-1 Analy Batch No.: 847814

SDG No.:

Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/03/2022 06:21 Calibration End Date: 06/03/2022 09:29 Calibration ID: 90648

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		B	M1	M2								
Atrazine	0.2132	0.1976 0.2184	0.2035 0.2152	0.2077 0.2001	0.1993	Ave		0.2069			0.0500	3.8		30.0			
Pentachlorophenol	0.1593	0.1680	0.1364 0.1599	0.1546 0.1514	0.1636	Ave		0.1562			0.0500	6.6		30.0			
Pentachloronitrobenzene	0.1002	0.1029	0.0988	0.0940 0.0944	0.1021	Ave		0.0987			0.0500	3.9		30.0			
n-Octadecane	0.5614	0.5922	0.5159	0.6029 0.4935	0.5806	Ave		0.5578			0.0500	7.9		30.0			
Phenanthrene	1.0657	1.0872	0.9951	1.1347 0.9220	1.1233	Ave		1.0547			0.0500	7.8		30.0			
Anthracene	1.0867	1.1206	1.0280	1.1461 0.9661	1.1612	Ave		1.0848			0.0500	6.9		30.0			
Carbazole	1.0007	1.0267	0.9650	1.0863 0.9024	1.0835	Ave		1.0108			0.0500	7.0		30.0			
Di-n-butyl phthalate	1.3085	1.3295	1.2715 1.1903	1.3203 1.1323	1.3549	Ave		1.2725			0.0500	6.4		30.0			
Fluoranthene	1.1531	1.1918	1.0879	1.2085 1.0174	1.2235	Ave		1.1470			0.0500	7.0		30.0			
Benzidine	0.7092	0.6633	0.7158	0.7308 0.6927	0.7440	Ave		0.7093			0.0500	4.0		30.0			
Pyrene	1.2879	1.3316	1.2156	1.3365 1.1584	1.3652	Ave		1.2825			0.0500	6.2		30.0			
Butyl benzyl phthalate	0.5967	0.6305	0.5878	0.5776 0.5695	0.5922	Ave		0.5924			0.0500	3.6		30.0			
2,3,7,8-TCDD		0.2101				Ave		0.2101			0.0500			30.0			
3,3'-Dichlorobenzidine	0.4973	0.5271	0.4605 0.4827	0.4796 0.4482	0.4859	Ave		0.4830			0.0500	5.3		30.0			
Benzo[a]anthracene	1.4284 1.1806	1.2985 1.2387	1.2473 1.1550	1.2980 1.0843	1.2524	Ave		1.2426			0.0500	7.9		30.0			
Chrysene	1.1559	1.1855	1.0896	1.2120 1.0590	1.2000	Ave		1.1503			0.0500	5.4		30.0			
Bis(2-ethylhexyl) phthalate	0.8598	0.9050	0.8491	0.8460 0.8056	0.8666	Ave		0.8554			0.0500	3.8		30.0			
Di-n-octyl phthalate	1.2531	1.3373	1.2213	1.2324 1.1517	1.2781	Ave		1.2457			0.0500	5.0		30.0			

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 Edison Job No.: 460-260852-1 Analy Batch No.: 847814

SDG No.:

Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/03/2022 06:21 Calibration End Date: 06/03/2022 09:29 Calibration ID: 90648

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		B	M1	M2								
Benzo[b]fluoranthene	1.0479 1.0983	1.1094 1.1965	1.0815 1.0918	1.1508 1.1557	1.1712	Ave		1.1226			0.0500	4.3		30.0			
Benzo[k]fluoranthene	1.0959 1.1725	1.0951 1.1836	1.1460 1.0956	1.2410 0.9764	1.1727	Ave		1.1310			0.0500	6.7		30.0			
Benzo[a]pyrene	1.0976 1.0792	1.0445 1.0395	1.0501 1.0703	1.1463 1.0136	1.1411	Ave		1.0758			0.0500	4.2		30.0			
Indeno[1,2,3-cd]pyrene	0.9700 1.1037	1.0375 1.2082	1.0698 1.1323	1.1416 1.1133	1.1381	Ave		1.1016			0.0500	6.2		30.0			
Dibenz(a,h)anthracene	1.0556 1.1849	1.1423 1.2675	1.1710 1.1759	1.1628 1.1321	1.2096	Ave		1.1669			0.0500	4.9		30.0			
Benzo[g,h,i]perylene	1.1783	1.2641	1.1761	1.2354 1.1438	1.2275	Ave		1.2042			0.0500	3.8		30.0			
2-Fluorophenol (Surr)	1.4330	1.6579 1.4841	1.7047 1.4030	1.3789 1.3575	1.3366	Ave		1.4695			0.0500	9.5		30.0			
Phenol-d5 (Surr)	1.8605 1.7460	1.9871 1.7922	2.0837 1.7251	1.7322 1.6828	1.6146	Ave		1.8027			0.0500	8.3		30.0			
Nitrobenzene-d5 (Surr)	0.4714 0.4222	0.4513 0.4203	0.4751 0.3983	0.4037 0.3861	0.3850	Ave		0.4237			0.0500	8.2		30.0			
2-Fluorobiphenyl	1.6976 1.5112	1.6774 1.5394	1.9013 1.3776	1.5160 1.2818	1.4289	Ave		1.5479			0.0500	12.1		30.0			
2,4,6-Tribromophenol (Surr)	0.3190	0.3087 0.3350	0.3696 0.3120	0.2998 0.3048	0.2833	Ave		0.3165			0.0500	8.3		30.0			
Terphenyl-d14 (Surr)	1.1871 1.1136	1.2849 1.1386	1.3866 1.0260	1.1106 0.9763	1.0669	Ave		1.1434			0.0500	11.2		30.0			

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 Edison Job No.: 460-260852-1 Analy Batch No.: 847814

SDG No.:

Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/03/2022 06:21 Calibration End Date: 06/03/2022 09:29 Calibration ID: 90648

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD05 460-847814/10	X41882.d
Level 2	STD1 460-847814/9	X41881.d
Level 3	STD2 460-847814/8	X41880.d
Level 4	STD5 460-847814/7	X41879.d
Level 5	STD10 460-847814/6	X41878.d
Level 6	STD20 460-847814/5	X41877.d
Level 7	ICIS 460-847814/2	X41874.d
Level 8	STD80 460-847814/4	X41876.d
Level 9	STD120 460-847814/3	X41875.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
1,4-Dioxane	DCBd 4	Ave	1301 58475	2897 144091	5434 215183	12577 309740	29229	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
N-Nitrosodimethylamine	DCBd 4	Ave	 102888	 250628	 380125	22139 550444	50540	 20.0	 50.0	 80.0	5.00 120	10.0
Pyridine	DCBd 4	Ave	 319258	15624 714428	28921 1155089	65708 1667858	154170	 40.0	2.00 100	4.00 160	10.0 240	20.0
Benzaldehyde	DCBd 4	Ave	 105536	7400 +++++	14340 +++++	29830 +++++	64124	 16.0	1.00 +++++	2.00 +++++	5.00 +++++	10.0
Phenol	DCBd 4	Ave	 200244	 498340	 782413	42217 1124623	97717	 20.0	 50.0	 80.0	5.00 120	10.0
Aniline	DCBd 4	Ave	 250910	 597351	 919835	51608 1340117	121446	 20.0	 50.0	 80.0	5.00 120	10.0
Bis(2-chloroethyl)ether	DCBd 4	Ave	3256 154912	8049 370595	14752 545991	32826 788990	77642	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
2-Chlorophenol	DCBd 4	Ave	 167235	 417852	 606047	35864 869252	82136	 20.0	 50.0	 80.0	5.00 120	10.0

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison Job No.: 460-260852-1 Analy Batch No.: 847814

SDG No.:

Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/03/2022 06:21 Calibration End Date: 06/03/2022 09:29 Calibration ID: 90648

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
n-Decane	DCBd 4	Ave	227897	525359	782420	48075 1120942	109459	20.0	50.0	80.0	5.00 120	10.0
1,3-Dichlorobenzene	DCBd 4	Ave	180849	443642	630350	39367 905936	87847	20.0	50.0	80.0	5.00 120	10.0
1,4-Dichlorobenzene	DCBd 4	Ave	181583	439069	636991	39340 902183	89450	20.0	50.0	80.0	5.00 120	10.0
Benzyl alcohol	DCBd 4	Ave	105808	261712	390357	22035 558723	49541	20.0	50.0	80.0	5.00 120	10.0
1,2-Dichlorobenzene	DCBd 4	Ave	173605	423622	606536	36468 860870	85176	20.0	50.0	80.0	5.00 120	10.0
2-Methylphenol	DCBd 4	Ave	144024	355053	521041	31206 733722	69683	20.0	50.0	80.0	5.00 120	10.0
2,2'-oxybis[1-chloropropane]	DCBd 4	Ave	279037	649684	982166	59460 1403590	133821	20.0	50.0	80.0	5.00 120	10.0
3 & 4 Methylphenol	DCBd 4	Ave	159853	373375	541014	34467 765748	78775	20.0	50.0	80.0	5.00 120	10.0
4-Methylphenol	DCBd 4	Ave	159853	373375	541014	34467 765748	78775	20.0	50.0	80.0	5.00 120	10.0
N-Nitrosodi-n-propylamine	DCBd 4	Ave	2641 120861	6105 280858	11385 416993	26239 604634	58322	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Acetophenone	DCBd 4	Ave	226905	524517	724533	49546 997336	112132	20.0	50.0	80.0	5.00 120	10.0
Hexachloroethane	DCBd 4	Ave	1495 67346	3506 168896	6127 244977	14635 354364	33629	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison Job No.: 460-260852-1 Analy Batch No.: 847814

SDG No.:

Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/03/2022 06:21 Calibration End Date: 06/03/2022 09:29 Calibration ID: 90648

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Nitrobenzene	DCBd 4	Ave	1684 76097	3921 179360	6958 261548	15637 364176	36934	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
n,n'-Dimethylaniline	DCBd 4	Ave	5291 253633	13310 584667	24148 841376	52953 1202216	118172	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Isophorone	NPT	Ave	311821	761616	28649 1117172	65471 1618183	149307	20.0	50.0	2.00 80.0	5.00 120	10.0
2-Nitrophenol	NPT	Ave	74168	191231	285888	15051 411107	35405	20.0	50.0	80.0	5.00 120	10.0
2,4-Dimethylphenol	NPT	Ave	145124	355966	498348	31319 735715	70850	20.0	50.0	80.0	5.00 120	10.0
Benzoic acid	NPT	Lin2	72349	190236	326395	7136 499188	22182	20.0	50.0	80.0	5.00 120	10.0
Bis(2-chloroethoxy)methane	NPT	Ave	191399	462951	659925	40906 945530	92142	20.0	50.0	80.0	5.00 120	10.0
2,4-Dichlorophenol	NPT	Ave	126423	308913	11092 457111	25845 664501	60684	20.0	50.0	2.00 80.0	5.00 120	10.0
1,2,4-Trichlorobenzene	NPT	Ave	2821 135167	6415 331683	12330 471345	29917 679111	63547	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Naphthalene	NPT	Ave	457263	1086762	1571713	99469 2226444	224197	20.0	50.0	80.0	5.00 120	10.0
4-Chloroaniline	NPT	Ave	201018	471560	675111	42019 963291	97799	20.0	50.0	80.0	5.00 120	10.0
2,6-Dichlorophenol	NPT	Lin2	121891	288221	11190 421441	25509 606663	58394	20.0	50.0	2.00 80.0	5.00 120	10.0
Hexachlorobutadiene	NPT	Ave	79450	4121 190748	7105 282814	16639 406145	39076	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Caprolactam	NPT	Ave	32563	1873 39730	3460 47133	7634 79468	18258	16.0	1.00 20.0	2.00 24.0	5.00 32.0	10.0
4-Chloro-3-methylphenol	NPT	Ave	128490	315139	466786	26728 693459	60782	20.0	50.0	80.0	5.00 120	10.0
2-Methylnaphthalene	NPT	Ave	306514	692168	1065369	66591 1493328	147426	20.0	50.0	80.0	5.00 120	10.0
1-Methylnaphthalene	NPT	Ave	277259	657195	968172	60283 1367273	135709	20.0	50.0	80.0	5.00 120	10.0

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison Job No.: 460-260852-1 Analy Batch No.: 847814

SDG No.:

Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/03/2022 06:21 Calibration End Date: 06/03/2022 09:29 Calibration ID: 90648

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Hexachlorocyclopentadiene	ANT	Ave	106008	241792	375031	21788 541884	50028	20.0	50.0	80.0	5.00 120	10.0
2-tertbutyl-4-methylphenol	NPT	Ave	187994	434951	660509	37027 942870	85113	20.0	50.0	80.0	5.00 120	10.0
2,4,6-Trichlorophenol	ANT	Ave	94447	223004	7828 323558	18132 483780	40992	20.0	50.0	2.00 80.0	5.00 120	10.0
2,4,5-Trichlorophenol	ANT	Ave	94555	237093	361349	20948 494495	47978	20.0	50.0	80.0	5.00 120	10.0
1,1'-Biphenyl	ANT	Ave	352260	835527	1216737	77748 1689613	171904	20.0	50.0	80.0	5.00 120	10.0
2-Chloronaphthalene	ANT	Ave	270438	647895	925382	58916 1317339	130048	20.0	50.0	80.0	5.00 120	10.0
Phenyl ether	ANT	Ave	195348	457557	686687	40029 1010080	90204	20.0	50.0	80.0	5.00 120	10.0
2-Nitroaniline	ANT	Ave	102905	247520	382088	20626 557742	46904	20.0	50.0	80.0	5.00 120	10.0
1,3-Dimethylnaphthalene	ANT	Ave	221657	523022	782379	45635 1121796	100946	20.0	50.0	80.0	5.00 120	10.0
Dimethyl phthalate	ANT	Ave	307010	719090	1079543	66095 1485501	148547	20.0	50.0	80.0	5.00 120	10.0
Coumarin	NPT	Ave	108394	250564	387603	22265 556846	49838	20.0	50.0	80.0	5.00 120	10.0
2,6-Dinitrotoluene	ANT	Ave	64824	2771 155772	5227 242449	12801 345260	30746	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Acenaphthylene	ANT	Ave	450372	985362	1568045	95594 2220041	218468	20.0	50.0	80.0	5.00 120	10.0
3-Nitroaniline	ANT	Ave	76729	185771	284473	15205 410348	36307	20.0	50.0	80.0	5.00 120	10.0
3,5-di-tert-butyl-4-hydroxytol	ANT	Ave	235203	517799	774531	49138 1100178	106100	20.0	50.0	80.0	5.00 120	10.0
Acenaphthene	ANT	Ave	282937	597988	821345	59197 1121967	134545	20.0	50.0	80.0	5.00 120	10.0
2,4-Dinitrophenol	ANT	Lin1	58720	146242	2231 269011	7470 402430	24173	40.0	100	4.00 160	10.0 240	20.0
4-Nitrophenol	ANT	Ave	111520	258182	442080	18455 631600	49361	40.0	100	160	10.0 240	20.0

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison Job No.: 460-260852-1 Analy Batch No.: 847814

SDG No.:

Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/03/2022 06:21 Calibration End Date: 06/03/2022 09:29 Calibration ID: 90648

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
2,4-Dinitrotoluene	ANT	Ave	87180	3703 213043	6517 319718	16116 444690	39324	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Dibenzofuran	ANT	Ave	372725	870858	1289793	82147 1801880	180358	20.0	50.0	80.0	5.00 120	10.0
Diethyl phthalate	ANT	Ave	317502	758972	1124971	66706 1580414	150925	20.0	50.0	80.0	5.00 120	10.0
Fluorene	ANT	Ave	300230	698346	998106	64715 1360650	142869	20.0	50.0	80.0	5.00 120	10.0
4-Chlorophenyl phenyl ether	ANT	Ave	138381	322586	454269	30985 628447	67166	20.0	50.0	80.0	5.00 120	10.0
4-Nitroaniline	ANT	Ave	77432	188790	296190	14879 410787	35752	20.0	50.0	80.0	5.00 120	10.0
4,6-Dinitro-2-methylphenol	PHN	Ave	84494	208916	5122 340234	14371 491262	36645	40.0	100	4.00 160	10.0 240	20.0
N-Nitrosodiphenylamine	PHN	Ave	218868	518869	782710	47463 1108683	106713	20.0	50.0	80.0	5.00 120	10.0
1,2-Diphenylhydrazine	PHN	Ave	315144	749095	1119160	67065 1609391	152016	20.0	50.0	80.0	5.00 120	10.0
4-Bromophenyl phenyl ether	PHN	Ave	91427	222606	331926	19730 469471	43915	20.0	50.0	80.0	5.00 120	10.0
Hexachlorobenzene	PHN	Ave	2410 117504	6194 289735	10605 429935	25434 609431	56815	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Atrazine	PHN	Ave	69930	3920 82136	7564 98993	17353 121443	37177	16.0	1.00 20.0	2.00 24.0	5.00 32.0	10.0
Pentachlorophenol	PHN	Ave	130575	315871	10139 490312	25827 688858	61049	40.0	100	4.00 160	10.0 240	20.0
Pentachloronitrobenzene	PHN	Ave	41070	96779	151511	7851 214821	19047	20.0	50.0	80.0	5.00 120	10.0
n-Octadecane	PHN	Ave	230122	556781	791253	50367 1122984	108314	20.0	50.0	80.0	5.00 120	10.0
Phenanthrene	PHN	Ave	436871	1022181	1526127	94798 2097821	209533	20.0	50.0	80.0	5.00 120	10.0
Anthracene	PHN	Ave	445475	1053556	1576531	95749 2198251	216620	20.0	50.0	80.0	5.00 120	10.0
Carbazole	PHN	Ave	410239	965271	1479991	90750 2053396	202124	20.0	50.0	80.0	5.00 120	10.0

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison Job No.: 460-260852-1 Analy Batch No.: 847814

SDG No.:

Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/03/2022 06:21 Calibration End Date: 06/03/2022 09:29 Calibration ID: 90648

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Di-n-butyl phthalate	PHN	Ave	536415	1249978	47262 1825568	110300 2576336	252750	20.0	50.0	2.00 80.0	5.00 120	10.0
Fluoranthene	PHN	Ave	472699	1120521	1668459	100958 2314926	228238	20.0	50.0	80.0	5.00 120	10.0
Benzidine	PHN	Ave	290748	623649	1097759	61055 1576241	138791	20.0	50.0	80.0	5.00 120	10.0
Pyrene	CRY	Ave	485882	1135889	1696496	102434 2372163	241547	20.0	50.0	80.0	5.00 120	10.0
Butyl benzyl phthalate	CRY	Ave	225130	537844	820270	44271 1166221	104784	20.0	50.0	80.0	5.00 120	10.0
2,3,7,8-TCDD	CRY	Ave		1792					0.500			
3,3'-Dichlorobenzidine	CRY	Ave	187601	449612	15932 673638	36761 917740	85980	20.0	50.0	2.00 80.0	5.00 120	10.0
Benzo[a]anthracene	CRY	Ave	11181 445405	23685 1056698	43153 1611932	99482 2220330	221599	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Chrysene	CRY	Ave	436082	1011239	1520659	92893 2168687	212322	20.0	50.0	80.0	5.00 120	10.0
Bis(2-ethylhexyl) phthalate	CRY	Ave	324387	772019	1185035	64842 1649710	153330	20.0	50.0	80.0	5.00 120	10.0
Di-n-octyl phthalate	PRY	Ave	576224	1385902	2129579	111336 2975895	276587	20.0	50.0	80.0	5.00 120	10.0
Benzo[b]fluoranthene	PRY	Ave	9597 505023	23650 1240044	44987 1903742	103965 2986252	253451	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Benzo[k]fluoranthene	PRY	Ave	10037 539165	23346 1226669	47669 1910421	112117 2522763	253774	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Benzo[a]pyrene	PRY	Ave	10052 496252	22267 1077241	43681 1866243	103564 2618967	246935	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Indeno[1,2,3-cd]pyrene	PRY	Ave	8884 507544	22119 1252168	44501 1974381	103139 2876614	246290	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Dibenz(a,h)anthracene	PRY	Ave	9668 544862	24352 1313573	48709 2050395	105055 2925243	261755	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Benzo[g,h,i]perylene	PRY	Ave	541835	1310048	2050747	111612 2955345	265639	20.0	50.0	80.0	5.00 120	10.0
2-Fluorophenol (Surr)	DCBd 4	Ave		9262	18454	32329	73463		1.00	2.00	5.00	10.0

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison Job No.: 460-260852-1 Analy Batch No.: 847814

SDG No.:

Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/03/2022 06:21 Calibration End Date: 06/03/2022 09:29 Calibration ID: 90648

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
			168864	413463	600844	874754		20.0	50.0	80.0	120	
Phenol-d5 (Surr)	DCBd 4	Ave	4449 205757	11101 499302	22557 738758	40610 1084409	88744	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Nitrobenzene-d5 (Surr)	NPT	Ave	4276 185279	9603 430954	19567 645884	36154 942660	78736	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
2-Fluorobiphenyl	ANT	Ave	8073 345943	18892 787526	39940 1168205	70467 1647561	151230	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
2,4,6-Tribromophenol (Surr)	ANT	Ave	 73033	3477 171391	7765 264573	13934 391770	29979	 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Terphenyl-d14 (Surr)	CRY	Ave	9292 420112	23437 971282	47973 1431924	85121 1999181	188774	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0

Curve Type Legend

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD
Lin2 = Linear 1/conc^2 ISTD

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS5\20220602-146048.b\X41874.d
Lims ID: ICIS
Client ID:
Sample Type: ICIS Calib Level: 7
Inject. Date: 03-Jun-2022 06:21:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0146048-002
Operator ID: Instrument ID: CBNAMS5
Sublist: chrom-8270_5R*sub40

Method: \\chromfs\Edison\ChromData\CBNAMS5\20220602-146048.b\8270_5R.m
Limit Group: SV 8270 DEL ICAL
Last Update: 03-Jun-2022 10:02:40 Calib Date: 03-Jun-2022 09:29:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS5\20220602-146048.b\X41882.d

Column 1 : Det: MS SCAN
Process Host: CTX1640

First Level Reviewer: johnstonm1 Date: 03-Jun-2022 08:21:19

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.816	1.816	0.000	98	144091	50.0	50.3	
2 N-Nitrosodimethylamine	74	2.040	2.040	0.000	81	250628	50.0	50.2	
3 Pyridine	79	2.075	2.075	0.000	86	714428	100.0	94.8	
$ 4 2-Fluorophenol	112	3.175	3.175	0.000	94	413463	50.0	50.5	
5 Benzaldehyde	77	4.016	4.016	0.000	91	98751	20.0	14.3	
$ 6 Phenol-d5	99	4.069	4.069	0.000	96	499302	50.0	49.7	
7 Phenol	94	4.087	4.087	0.000	98	498340	50.0	50.4	
8 Aniline	93	4.122	4.122	0.000	14	597351	50.0	49.8	a
9 Bis(2-chloroethyl)ether	93	4.181	4.181	0.000	92	370595	50.0	49.4	
11 2-Chlorophenol	128	4.234	4.234	0.000	74	417852	50.0	51.7	
12 n-Decane	43	4.281	4.281	0.000	96	525359	50.0	49.5	
13 1,3-Dichlorobenzene	146	4.381	4.381	0.000	94	443642	50.0	51.5	
* 14 1,4-Dichlorobenzene-d4	152	4.434	4.434	0.000	96	222876	40.0	40.0	
15 1,4-Dichlorobenzene	146	4.451	4.451	0.000	92	439069	50.0	50.8	
16 Benzyl alcohol	108	4.563	4.563	0.000	90	261712	50.0	51.6	
17 1,2-Dichlorobenzene	146	4.598	4.598	0.000	90	423622	50.0	51.5	
18 2-Methylphenol	108	4.663	4.663	0.000	85	355053	50.0	51.3	
19 2,2'-oxybis[1-chloropropane]	45	4.693	4.693	0.000	76	649684	50.0	49.5	
20 N-Methylaniline	106	4.810	4.810	0.000	72	603926	NC	NC	
23 3 & 4 Methylphenol	108	4.816	4.816	0.000	73	373375	50.0	49.9	
24 4-Methylphenol	108	4.816	4.816	0.000	74	373375	50.0	49.9	
21 Acetophenone	105	4.822	4.822	0.000	83	524517	50.0	50.4	
22 N-Nitrosodi-n-propylamine	70	4.822	4.822	0.000	72	280858	50.0	48.4	
25 Hexachloroethane	117	4.916	4.916	0.000	93	168896	50.0	50.9	
$ 26 Nitrobenzene-d5	82	4.963	4.963	0.000	89	430954	50.0	49.6	
28 Nitrobenzene	123	4.981	4.981	0.000	88	179360	50.0	49.5	
27 n,n'-Dimethylaniline	120	4.987	4.987	0.000	86	584667	50.0	48.9	
31 Isophorone	82	5.210	5.210	0.000	97	761616	50.0	52.4	
32 2-Nitrophenol	139	5.281	5.281	0.000	89	191231	50.0	53.7	
33 2,4-Dimethylphenol	122	5.322	5.322	0.000	87	355966	50.0	52.5	
34 Bis(2-chloroethoxy)methane	93	5.416	5.416	0.000	96	462951	50.0	52.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.428	5.428	0.000	42	190236	50.0	49.5	
36 2,4-Dichlorophenol	162	5.510	5.510	0.000	95	308913	50.0	52.8	
37 1,2,4-Trichlorobenzene	180	5.592	5.592	0.000	92	331683	50.0	52.8	
* 38 Naphthalene-d8	136	5.645	5.645	0.000	99	820297	40.0	40.0	
39 Naphthalene	128	5.669	5.669	0.000	99	1086762	50.0	51.4	
40 4-Chloroaniline	127	5.716	5.716	0.000	82	471560	50.0	51.6	
130 2,6-Dichlorophenol	162	5.722	5.722	0.000	77	288221	50.0	51.9	
41 Hexachlorobutadiene	225	5.787	5.787	0.000	95	190748	50.0	51.3	
42 Caprolactam	113	6.098	6.098	0.000	88	39730	20.0	20.5	M
43 4-Chloro-3-methylphenol	107	6.175	6.175	0.000	95	315139	50.0	52.2	
44 2-Methylnaphthalene	142	6.322	6.322	0.000	81	692168	50.0	49.3	
45 1-Methylnaphthalene	142	6.416	6.416	0.000	89	657195	50.0	51.0	
46 Hexachlorocyclopentadiene	237	6.475	6.475	0.000	89	241792	50.0	51.7	
47 1,2,4,5-Tetrachlorobenzene	216	6.481	6.481	0.000	95	326696	NC	NC	
48 2-tertbutyl-4-methylphenol	149	6.516	6.516	0.000	68	434951	50.0	51.4	
49 2,4,6-Trichlorophenol	196	6.587	6.587	0.000	88	223004	50.0	55.3	
50 2,4,5-Trichlorophenol	196	6.616	6.616	0.000	87	237093	50.0	53.7	
$ 51 2-Fluorobiphenyl	172	6.675	6.675	0.000	97	787526	50.0	49.7	
52 1,1'-Biphenyl	154	6.769	6.769	0.000	96	835527	50.0	53.2	
53 2-Chloronaphthalene	162	6.786	6.786	0.000	96	647895	50.0	53.8	
54 Phenyl ether	170	6.869	6.869	0.000	85	457557	50.0	53.1	
56 2-Nitroaniline	65	6.881	6.881	0.000	92	247520	50.0	53.7	
57 1,3-Dimethylnaphthalene	156	6.992	6.992	0.000	88	523022	50.0	53.6	
58 Dimethyl phthalate	163	7.063	7.063	0.000	97	719090	50.0	52.7	
59 Coumarin	146	7.075	7.075	0.000	72	250564	50.0	50.5	
60 2,6-Dinitrotoluene	165	7.116	7.116	0.000	9	155772	50.0	55.3	a
61 Acenaphthylene	152	7.175	7.175	0.000	96	985362	50.0	49.9	
64 3-Nitroaniline	138	7.269	7.269	0.000	93	185771	50.0	53.8	
* 65 Acenaphthene-d10	164	7.310	7.310	0.000	86	409262	40.0	40.0	
66 3,5-di-tert-butyl-4-hydroxytol	205	7.334	7.334	0.000	85	517799	50.0	51.7	
67 Acenaphthene	154	7.339	7.339	0.000	94	597988	50.0	51.6	
68 2,4-Dinitrophenol	184	7.369	7.369	0.000	78	146242	100.0	95.1	a
69 4-Nitrophenol	65	7.428	7.428	0.000	88	258182	100.0	105.6	
70 2,4-Dinitrotoluene	165	7.492	7.492	0.000	81	213043	50.0	57.9	
71 Dibenzofuran	168	7.504	7.504	0.000	91	870858	50.0	52.5	
72 2,3,4,6-Tetrachlorophenol	232	7.616	7.616	0.000	93	180063	NC	NC	
73 Diethyl phthalate	149	7.733	7.733	0.000	97	758972	50.0	53.7	
75 Fluorene	166	7.828	7.828	0.000	81	698346	50.0	53.5	
74 4-Chlorophenyl phenyl ether	204	7.828	7.828	0.000	72	322586	50.0	53.1	
76 4-Nitroaniline	138	7.851	7.851	0.000	93	188790	50.0	54.4	
77 4,6-Dinitro-2-methylphenol	198	7.875	7.875	0.000	50	208916	100.0	113.3	
78 N-Nitrosodiphenylamine	169	7.939	7.939	0.000	96	518869	50.0	51.4	
79 1,2-Diphenylhydrazine	77	7.981	7.981	0.000	95	749095	50.0	51.7	
$ 80 2,4,6-Tribromophenol	330	8.051	8.051	0.000	93	171391	50.0	52.9	
81 4-Bromophenyl phenyl ether	248	8.292	8.292	0.000	90	222606	50.0	52.5	
83 Hexachlorobenzene	284	8.345	8.345	0.000	89	289735	50.0	52.6	
84 Atrazine	200	8.451	8.451	0.000	86	82136	20.0	21.1	
85 Pentachlorophenol	266	8.528	8.528	0.000	91	315871	100.0	107.6	
86 Pentachloronitrobenzene	237	8.545	8.545	0.000	89	96779	50.0	52.1	
87 n-Octadecane	57	8.628	8.628	0.000	95	556781	50.0	53.1	
* 88 Phenanthrene-d10	188	8.710	8.710	0.000	99	752163	40.0	40.0	
89 Phenanthrene	178	8.733	8.733	0.000	98	1022181	50.0	51.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
90 Anthracene	178	8.780	8.780	0.000	97	1053556	50.0	51.6	
91 Carbazole	167	8.933	8.933	0.000	83	965271	50.0	50.8	
92 Di-n-butyl phthalate	149	9.280	9.280	0.000	99	1249978	50.0	52.2	
93 Fluoranthene	202	9.857	9.857	0.000	97	1120521	50.0	52.0	
94 Benzidine	184	9.986	9.986	0.000	99	623649	50.0	46.8	
95 Pyrene	202	10.069	10.069	0.000	96	1135889	50.0	51.9	
82 Bisphenol-A	213	10.122	10.122	0.000	97	487518	NC	NC	
$ 96 Terphenyl-d14	244	10.227	10.227	0.000	98	971282	50.0	49.8	
97 Butyl benzyl phthalate	149	10.739	10.739	0.000	97	537844	50.0	53.2	
98 2,3,7,8-TCDD	320	10.816	10.816	0.000	56	1792	0.5000	0.5000	
99 Carbamazepine	193	10.839	10.839	0.000	92	465878	NC	NC	
100 3,3'-Dichlorobenzidine	252	11.310	11.310	0.000	99	449612	50.0	54.6	
101 Benzo[a]anthracene	228	11.327	11.327	0.000	100	1056698	50.0	49.8	
* 102 Chrysene-d12	240	11.345	11.345	0.000	98	682430	40.0	40.0	
103 Chrysene	228	11.374	11.374	0.000	94	1011239	50.0	51.5	
104 Bis(2-ethylhexyl) phthalate	149	11.410	11.410	0.000	71	772019	50.0	52.9	a
105 Di-n-octyl phthalate	149	12.257	12.257	0.000	96	1385902	50.0	53.7	
106 Benzo[b]fluoranthene	252	12.710	12.710	0.000	97	1240044	50.0	53.3	
107 Benzo[k]fluoranthene	252	12.751	12.751	0.000	99	1226669	50.0	52.3	
108 Benzo[a]pyrene	252	13.157	13.157	0.000	95	1077241	50.0	48.3	
* 109 Perylene-d12	264	13.239	13.239	0.000	98	829084	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	14.815	14.815	0.000	99	1252168	50.0	54.8	
111 Dibenz(a,h)anthracene	278	14.862	14.862	0.000	96	1313573	50.0	54.3	
112 Benzo[g,h,i]perylene	276	15.257	15.257	0.000	95	1310048	50.0	52.5	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

SV_BNA_L7_00004 Amount Added: 1.00 Units: mL

Report Date: 03-Jun-2022 10:02:42 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS5\20220602-146048.b\X41874.d

Injection Date: 03-Jun-2022 06:21:30 Instrument ID: CBNAMS5

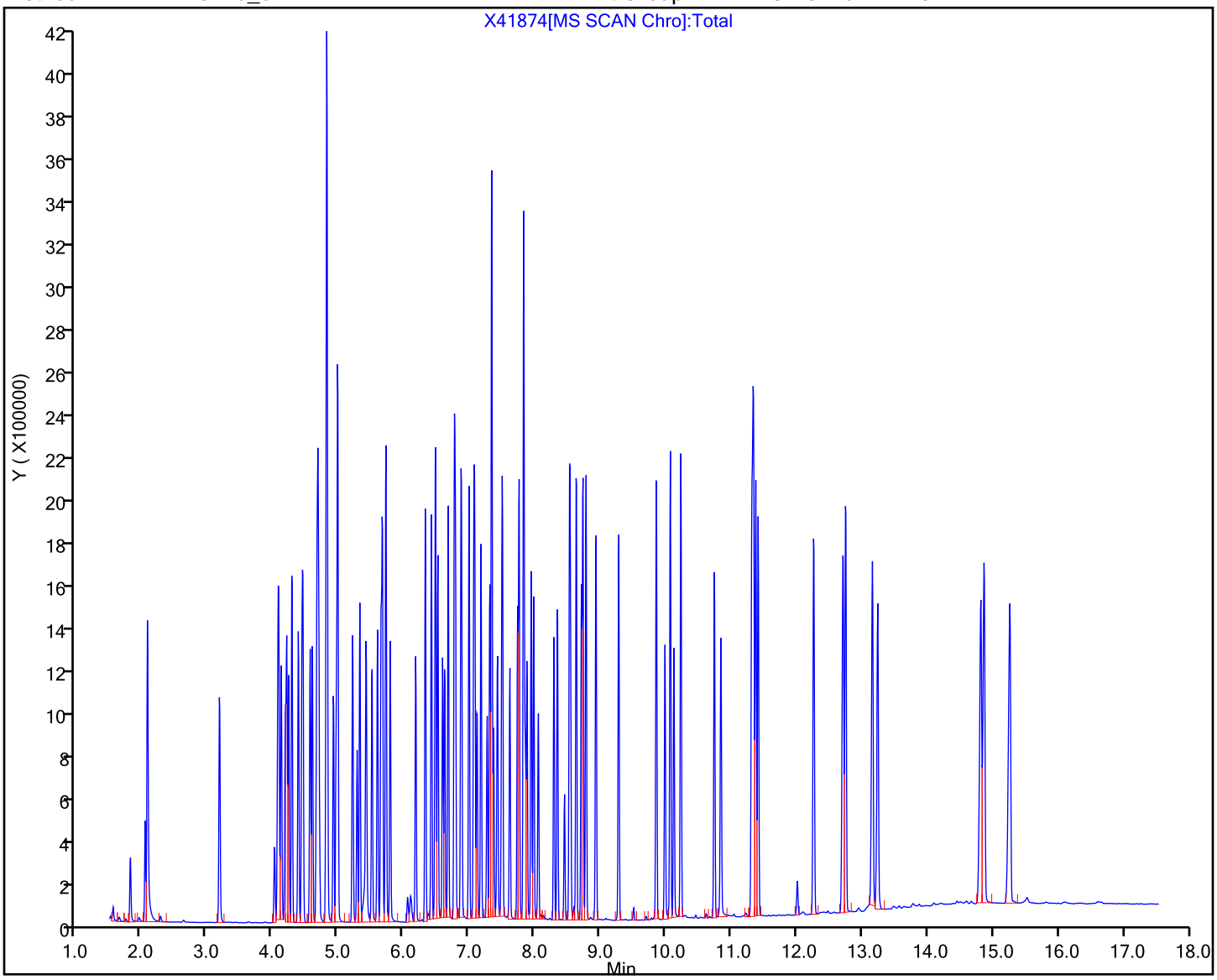
Lims ID: ICIS

Client ID:

Operator ID: ALS Bottle#: 2 Worklist Smp#: 2

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8270_5R Limit Group: SV 8270 DEL ICAL



Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS5\20220602-146048.b\X41875.d
Lims ID: STD120
Client ID:
Sample Type: IC Calib Level: 9
Inject. Date: 03-Jun-2022 06:44:30 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0146048-003
Operator ID: Instrument ID: CBNAMS5
Sublist: chrom-8270_5R*sub40

Method: \\chromfs\Edison\ChromData\CBNAMS5\20220602-146048.b\8270_5R.m
Limit Group: SV 8270 DEL ICAL
Last Update: 03-Jun-2022 10:02:45 Calib Date: 03-Jun-2022 09:29:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS5\20220602-146048.b\X41882.d

Column 1 : Det: MS SCAN
Process Host: CTX1640

First Level Reviewer: johnstonm1 Date: 03-Jun-2022 08:22:15

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.816	1.816	0.000	98	309740	120.0	112.1	
2 N-Nitrosodimethylamine	74	2.051	2.040	0.011	81	550444	120.0	114.4	
3 Pyridine	79	2.081	2.075	0.006	85	1667858	240.0	229.7	
$ 4 2-Fluorophenol	112	3.187	3.175	0.012	92	874754	120.0	110.9	
5 Benzaldehyde	77	4.022	4.016	0.006	91	108642	32.0	16.3	
$ 6 Phenol-d5	99	4.087	4.069	0.018	92	1084409	120.0	112.0	
7 Phenol	94	4.098	4.087	0.011	97	1124623	120.0	118.1	
8 Aniline	93	4.128	4.122	0.006	99	1340117	120.0	116.0	
9 Bis(2-chloroethyl)ether	93	4.193	4.181	0.012	90	788990	120.0	109.1	
11 2-Chlorophenol	128	4.240	4.234	0.006	68	869252	120.0	111.5	
12 n-Decane	43	4.287	4.281	0.006	91	1120942	120.0	109.6	
13 1,3-Dichlorobenzene	146	4.387	4.381	0.006	94	905936	120.0	109.0	
* 14 1,4-Dichlorobenzene-d4	152	4.440	4.434	0.006	79	214801	40.0	40.0	
15 1,4-Dichlorobenzene	146	4.457	4.451	0.006	92	902183	120.0	108.3	
16 Benzyl alcohol	108	4.575	4.563	0.012	89	558723	120.0	114.4	
17 1,2-Dichlorobenzene	146	4.598	4.598	0.000	90	860870	120.0	108.7	
18 2-Methylphenol	108	4.675	4.663	0.012	85	733722	120.0	110.0	
19 2,2'-oxybis[1-chloropropane]	45	4.698	4.693	0.006	91	1403590	120.0	110.9	a
20 N-Methylaniline	106	4.816	4.810	0.006	86	1318724	NC	NC	
23 3 & 4 Methylphenol	108	4.828	4.816	0.012	74	765748	120.0	106.3	
24 4-Methylphenol	108	4.828	4.816	0.012	69	765748	120.0	106.3	
21 Acetophenone	105	4.834	4.822	0.012	87	997336	120.0	99.5	
22 N-Nitrosodi-n-propylamine	70	4.840	4.822	0.018	84	604634	120.0	108.1	
25 Hexachloroethane	117	4.922	4.916	0.006	93	354364	120.0	110.9	
$ 26 Nitrobenzene-d5	82	4.969	4.963	0.006	89	942660	120.0	109.4	
28 Nitrobenzene	123	4.992	4.981	0.011	84	364176	120.0	104.3	
27 n,n'-Dimethylaniline	120	4.992	4.987	0.005	84	1202216	120.0	104.3	
31 Isophorone	82	5.228	5.210	0.018	96	1618183	120.0	112.2	
32 2-Nitrophenol	139	5.287	5.281	0.006	86	411107	120.0	116.4	
33 2,4-Dimethylphenol	122	5.328	5.322	0.006	80	735715	120.0	109.4	
34 Bis(2-chloroethoxy)methane	93	5.428	5.416	0.012	96	945530	120.0	107.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.475	5.428	0.047	87	499188	120.0	125.4	
36 2,4-Dichlorophenol	162	5.516	5.510	0.006	91	664501	120.0	114.4	
37 1,2,4-Trichlorobenzene	180	5.598	5.592	0.006	95	679111	120.0	109.0	
* 38 Naphthalene-d8	136	5.651	5.645	0.006	98	813753	40.0	40.0	
39 Naphthalene	128	5.675	5.669	0.006	99	2226444	120.0	106.1	
40 4-Chloroaniline	127	5.728	5.716	0.012	89	963291	120.0	106.2	
130 2,6-Dichlorophenol	162	5.728	5.722	0.006	75	606663	120.0	110.1	
41 Hexachlorobutadiene	225	5.792	5.787	0.005	95	406145	120.0	110.1	
42 Caprolactam	113	6.181	6.098	0.083	34	79468	32.0	41.4	
43 4-Chloro-3-methylphenol	107	6.181	6.175	0.006	98	693459	120.0	115.7	
44 2-Methylnaphthalene	142	6.328	6.322	0.006	83	1493328	120.0	107.2	
45 1-Methylnaphthalene	142	6.422	6.416	0.006	91	1367273	120.0	107.1	
46 Hexachlorocyclopentadiene	237	6.481	6.475	0.006	84	541884	120.0	110.7	
47 1,2,4,5-Tetrachlorobenzene	216	6.487	6.481	0.005	95	670919	NC	NC	
48 2-tertbutyl-4-methylphenol	149	6.522	6.516	0.006	69	942870	120.0	112.3	
49 2,4,6-Trichlorophenol	196	6.592	6.587	0.006	88	483780	120.0	114.7	
50 2,4,5-Trichlorophenol	196	6.628	6.616	0.012	88	494495	120.0	106.9	
$ 51 2-Fluorobiphenyl	172	6.681	6.675	0.006	96	1647561	120.0	99.4	
52 1,1'-Biphenyl	154	6.775	6.769	0.006	97	1689613	120.0	102.7	
53 2-Chloronaphthalene	162	6.792	6.786	0.006	95	1317339	120.0	104.5	
54 Phenyl ether	170	6.875	6.869	0.006	85	1010080	120.0	111.9	
56 2-Nitroaniline	65	6.886	6.881	0.005	93	557742	120.0	115.5	
57 1,3-Dimethylnaphthalene	156	6.998	6.992	0.006	89	1121796	120.0	109.8	
58 Dimethyl phthalate	163	7.075	7.063	0.012	96	1485501	120.0	104.0	
59 Coumarin	146	7.086	7.075	0.011	74	556846	120.0	113.2	
60 2,6-Dinitrotoluene	165	7.122	7.116	0.006	1	345260	120.0	117.1	a
61 Acenaphthylene	152	7.181	7.175	0.006	96	2220041	120.0	107.3	
64 3-Nitroaniline	138	7.281	7.269	0.012	94	410348	120.0	113.6	
* 65 Acenaphthene-d10	164	7.310	7.310	0.000	81	428437	40.0	40.0	
66 3,5-di-tert-butyl-4-hydroxytol	205	7.345	7.334	0.011	81	1100178	120.0	105.0	
67 Acenaphthene	154	7.345	7.339	0.006	96	1121967	120.0	92.5	
68 2,4-Dinitrophenol	184	7.381	7.369	0.012	67	402430	240.0	244.0	
69 4-Nitrophenol	65	7.439	7.428	0.011	86	631600	240.0	246.7	
70 2,4-Dinitrotoluene	165	7.504	7.492	0.012	62	444690	120.0	115.4	
71 Dibenzofuran	168	7.510	7.504	0.006	91	1801880	120.0	103.8	
72 2,3,4,6-Tetrachlorophenol	232	7.622	7.616	0.006	92	399278	NC	NC	
73 Diethyl phthalate	149	7.739	7.733	0.006	97	1580414	120.0	106.8	
75 Fluorene	166	7.833	7.828	0.005	81	1360650	120.0	99.6	
74 4-Chlorophenyl phenyl ether	204	7.833	7.828	0.005	73	628447	120.0	98.9	
76 4-Nitroaniline	138	7.875	7.851	0.024	58	410787	120.0	113.1	
77 4,6-Dinitro-2-methylphenol	198	7.892	7.875	0.017	65	491262	240.0	264.3	
78 N-Nitrosodiphenylamine	169	7.951	7.939	0.012	97	1108683	120.0	108.8	
79 1,2-Diphenylhydrazine	77	7.986	7.981	0.005	92	1609391	120.0	110.2	
$ 80 2,4,6-Tribromophenol	330	8.057	8.051	0.006	93	391770	120.0	115.6	
81 4-Bromophenyl phenyl ether	248	8.292	8.292	0.000	87	469471	120.0	109.7	
83 Hexachlorobenzene	284	8.351	8.345	0.006	89	609431	120.0	109.8	
84 Atrazine	200	8.457	8.451	0.006	86	121443	32.0	31.0	
85 Pentachlorophenol	266	8.533	8.528	0.005	89	688858	240.0	232.7	
86 Pentachloronitrobenzene	237	8.551	8.545	0.006	88	214821	120.0	114.7	
87 n-Octadecane	57	8.633	8.628	0.005	96	1122984	120.0	106.2	
* 88 Phenanthrene-d10	188	8.710	8.710	0.000	99	758459	40.0	40.0	
89 Phenanthrene	178	8.739	8.733	0.006	98	2097821	120.0	104.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
90 Anthracene	178	8.786	8.780	0.006	97	2198251	120.0	106.9	
91 Carbazole	167	8.939	8.933	0.006	83	2053396	120.0	107.1	
92 Di-n-butyl phthalate	149	9.280	9.280	0.000	99	2576336	120.0	106.8	
93 Fluoranthene	202	9.857	9.857	0.000	97	2314926	120.0	106.4	
94 Benzidine	184	9.992	9.986	0.006	99	1576241	120.0	117.2	
95 Pyrene	202	10.075	10.069	0.005	96	2372163	120.0	108.4	
82 Bisphenol-A	213	10.127	10.122	0.005	96	1131915	NC	NC	
$ 96 Terphenyl-d14	244	10.233	10.227	0.006	98	1999181	120.0	102.5	
97 Butyl benzyl phthalate	149	10.745	10.739	0.006	97	1166221	120.0	115.4	
99 Carbamazepine	193	10.857	10.839	0.018	91	1127781	NC	NC	
100 3,3'-Dichlorobenzidine	252	11.321	11.310	0.011	98	917740	120.0	111.3	
101 Benzo[a]anthracene	228	11.339	11.327	0.012	99	2220330	120.0	104.7	
* 102 Chrysene-d12	240	11.351	11.345	0.006	99	682595	40.0	40.0	
103 Chrysene	228	11.386	11.374	0.012	95	2168687	120.0	110.5	
104 Bis(2-ethylhexyl) phthalate	149	11.416	11.410	0.006	85	1649710	120.0	113.0	a
105 Di-n-octyl phthalate	149	12.263	12.257	0.006	96	2975895	120.0	111.0	
106 Benzo[b]fluoranthene	252	12.721	12.710	0.011	97	2986252	120.0	123.5	
107 Benzo[k]fluoranthene	252	12.763	12.751	0.012	99	2522763	120.0	103.6	
108 Benzo[a]pyrene	252	13.174	13.157	0.017	95	2618967	120.0	113.1	
* 109 Perylene-d12	264	13.245	13.239	0.006	97	861278	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	14.839	14.815	0.024	99	2876614	120.0	121.3	
111 Dibenz(a,h)anthracene	278	14.892	14.862	0.030	96	2925243	120.0	116.4	
112 Benzo[g,h,i]perylene	276	15.286	15.257	0.029	94	2955345	120.0	114.0	
S 119 Total Cresols	1				0			216.3	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

a - User Assigned ID

Reagents:

SV_BNA_L9_00004 Amount Added: 1.00 Units: mL

Report Date: 03-Jun-2022 10:02:46 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS5\20220602-146048.b\X41875.d

Injection Date: 03-Jun-2022 06:44:30 Instrument ID: CBNAMS5

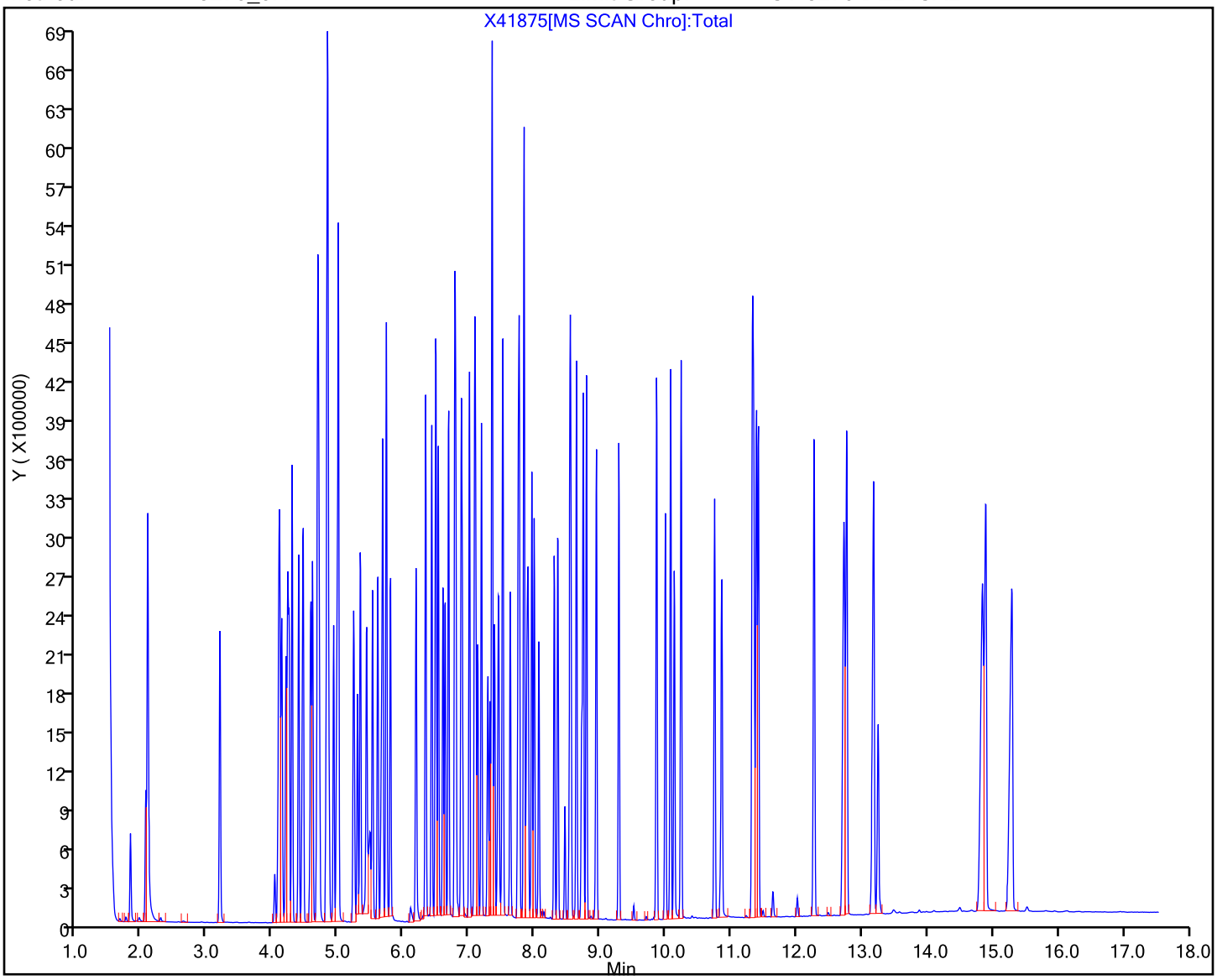
Lims ID: STD120

Client ID:

Operator ID: ALS Bottle#: 3 Worklist Smp#: 3

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8270_5R Limit Group: SV 8270 DEL ICAL



Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS5\20220602-146048.b\X41876.d
Lims ID: STD80
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 03-Jun-2022 07:08:30 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0146048-004
Operator ID: Instrument ID: CBNAMS5
Sublist: chrom-8270_5R*sub40

Method: \\chromfs\Edison\ChromData\CBNAMS5\20220602-146048.b\8270_5R.m
Limit Group: SV 8270 DEL ICAL
Last Update: 03-Jun-2022 10:02:50 Calib Date: 03-Jun-2022 09:29:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS5\20220602-146048.b\X41882.d

Column 1 : Det: MS SCAN
Process Host: CTX1640

First Level Reviewer: johnstonm1 Date: 03-Jun-2022 08:24:34

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.816	1.816	0.000	98	215183	80.0	78.1	
	2 N-Nitrosodimethylamine	74	2.046	2.040	0.006	81	380125	80.0	79.2	
	3 Pyridine	79	2.081	2.075	0.006	86	1155089	160.0	159.6	
$	4 2-Fluorophenol	112	3.181	3.175	0.006	92	600844	80.0	76.4	
	5 Benzaldehyde	77	4.022	4.016	0.006	92	98637	24.0	14.8	
$	6 Phenol-d5	99	4.075	4.069	0.006	95	738758	80.0	76.6	
	7 Phenol	94	4.093	4.087	0.006	97	782413	80.0	82.4	
	8 Aniline	93	4.122	4.122	0.000	66	919835	80.0	79.8	
	9 Bis(2-chloroethyl)ether	93	4.187	4.181	0.006	90	545991	80.0	75.7	
	11 2-Chlorophenol	128	4.240	4.234	0.006	67	606047	80.0	78.0	
	12 n-Decane	43	4.287	4.281	0.006	95	782420	80.0	76.7	
	13 1,3-Dichlorobenzene	146	4.387	4.381	0.006	94	630350	80.0	76.1	
*	14 1,4-Dichlorobenzene-d4	152	4.440	4.434	0.006	95	214123	40.0	40.0	
	15 1,4-Dichlorobenzene	146	4.457	4.451	0.006	93	636991	80.0	76.7	
	16 Benzyl alcohol	108	4.569	4.563	0.006	89	390357	80.0	80.2	
	17 1,2-Dichlorobenzene	146	4.598	4.598	0.000	89	606536	80.0	76.8	
	18 2-Methylphenol	108	4.669	4.663	0.006	84	521041	80.0	78.4	
	19 2,2'-oxybis[1-chloropropane]	45	4.698	4.693	0.006	92	982166	80.0	77.8	
	20 N-Methylaniline	106	4.810	4.810	0.000	83	901809	NC	NC	
	23 3 & 4 Methylphenol	108	4.822	4.816	0.006	73	541014	80.0	75.3	
	24 4-Methylphenol	108	4.822	4.816	0.006	73	541014	80.0	75.3	
	21 Acetophenone	105	4.828	4.822	0.006	84	724533	80.0	72.5	
	22 N-Nitrosodi-n-propylamine	70	4.828	4.822	0.006	71	416993	80.0	74.8	
	25 Hexachloroethane	117	4.922	4.916	0.006	94	244977	80.0	76.9	
$	26 Nitrobenzene-d5	82	4.969	4.963	0.006	90	645884	80.0	75.2	
	28 Nitrobenzene	123	4.987	4.981	0.006	85	261548	80.0	75.1	
	27 n,n'-Dimethylaniline	120	4.987	4.987	0.000	83	841376	80.0	73.2	
	31 Isophorone	82	5.222	5.210	0.012	97	1117172	80.0	77.7	
	32 2-Nitrophenol	139	5.287	5.281	0.006	88	285888	80.0	81.3	
	33 2,4-Dimethylphenol	122	5.328	5.322	0.006	77	498348	80.0	74.4	
	34 Bis(2-chloroethoxy)methane	93	5.422	5.416	0.006	96	659925	80.0	75.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.451	5.428	0.023	86	326395	80.0	83.4	
36 2,4-Dichlorophenol	162	5.510	5.510	0.000	94	457111	80.0	79.0	
37 1,2,4-Trichlorobenzene	180	5.592	5.592	0.000	92	471345	80.0	75.9	
* 38 Naphthalene-d8	136	5.645	5.645	0.000	98	810846	40.0	40.0	
39 Naphthalene	128	5.669	5.669	0.000	99	1571713	80.0	75.2	
40 4-Chloroaniline	127	5.722	5.716	0.006	81	675111	80.0	74.7	
130 2,6-Dichlorophenol	162	5.728	5.722	0.006	81	421441	80.0	76.8	
41 Hexachlorobutadiene	225	5.787	5.787	0.000	95	282814	80.0	76.9	
42 Caprolactam	113	6.139	6.098	0.041	88	47133	24.0	24.6	M
43 4-Chloro-3-methylphenol	107	6.181	6.175	0.006	90	466786	80.0	78.2	
44 2-Methylnaphthalene	142	6.328	6.322	0.006	81	1065369	80.0	76.8	
45 1-Methylnaphthalene	142	6.416	6.416	0.000	89	968172	80.0	76.1	
46 Hexachlorocyclopentadiene	237	6.475	6.475	0.000	90	375031	80.0	77.4	
47 1,2,4,5-Tetrachlorobenzene	216	6.487	6.481	0.005	96	469928	NC	NC	
48 2-tertbutyl-4-methylphenol	149	6.516	6.516	0.000	67	660509	80.0	79.0	
49 2,4,6-Trichlorophenol	196	6.592	6.587	0.006	89	323558	80.0	77.5	
50 2,4,5-Trichlorophenol	196	6.622	6.616	0.006	85	361349	80.0	78.9	
$ 51 2-Fluorobiphenyl	172	6.675	6.675	0.000	97	1168205	80.0	71.2	
52 1,1'-Biphenyl	154	6.769	6.769	0.000	96	1216737	80.0	74.7	
53 2-Chloronaphthalene	162	6.786	6.786	0.000	95	925382	80.0	74.2	
54 Phenyl ether	170	6.869	6.869	0.000	85	686687	80.0	76.9	
56 2-Nitroaniline	65	6.881	6.881	0.000	90	382088	80.0	80.0	
57 1,3-Dimethylnaphthalene	156	6.992	6.992	0.000	89	782379	80.0	77.4	
58 Dimethyl phthalate	163	7.069	7.063	0.006	97	1079543	80.0	76.4	
59 Coumarin	146	7.081	7.075	0.006	72	387603	80.0	79.1	
60 2,6-Dinitrotoluene	165	7.116	7.116	0.000	1	242449	80.0	83.1	a
61 Acenaphthylene	152	7.175	7.175	0.000	96	1568045	80.0	76.6	
64 3-Nitroaniline	138	7.275	7.269	0.006	94	284473	80.0	79.6	
* 65 Acenaphthene-d10	164	7.310	7.310	0.000	87	423999	40.0	40.0	
66 3,5-di-tert-butyl-4-hydroxytol	205	7.339	7.334	0.005	81	774531	80.0	74.7	
67 Acenaphthene	154	7.339	7.339	0.000	95	821345	80.0	68.5	
68 2,4-Dinitrophenol	184	7.375	7.369	0.006	74	269011	160.0	166.0	
69 4-Nitrophenol	65	7.434	7.428	0.006	87	442080	160.0	174.5	
70 2,4-Dinitrotoluene	165	7.498	7.492	0.006	72	319718	80.0	83.9	
71 Dibenzofuran	168	7.504	7.504	0.000	91	1289793	80.0	75.1	
72 2,3,4,6-Tetrachlorophenol	232	7.616	7.616	0.000	91	279093	NC	NC	
73 Diethyl phthalate	149	7.739	7.733	0.006	97	1124971	80.0	76.8	
75 Fluorene	166	7.828	7.828	0.000	81	998106	80.0	73.8	
74 4-Chlorophenyl phenyl ether	204	7.833	7.828	0.005	74	454269	80.0	72.2	
76 4-Nitroaniline	138	7.863	7.851	0.012	91	296190	80.0	82.4	
77 4,6-Dinitro-2-methylphenol	198	7.886	7.875	0.011	66	340234	160.0	181.1	
78 N-Nitrosodiphenylamine	169	7.945	7.939	0.006	96	782710	80.0	76.0	
79 1,2-Diphenylhydrazine	77	7.981	7.981	0.000	92	1119160	80.0	75.8	
$ 80 2,4,6-Tribromophenol	330	8.057	8.051	0.006	91	264573	80.0	78.9	
81 4-Bromophenyl phenyl ether	248	8.292	8.292	0.000	89	331926	80.0	76.7	
83 Hexachlorobenzene	284	8.345	8.345	0.000	89	429935	80.0	76.6	
84 Atrazine	200	8.451	8.451	0.000	86	98993	24.0	25.0	
85 Pentachlorophenol	266	8.533	8.528	0.005	91	490312	160.0	163.8	
86 Pentachloronitrobenzene	237	8.545	8.545	0.000	86	151511	80.0	80.0	
87 n-Octadecane	57	8.633	8.628	0.005	96	791253	80.0	74.0	
* 88 Phenanthrene-d10	188	8.710	8.710	0.000	99	766825	40.0	40.0	
89 Phenanthrene	178	8.733	8.733	0.000	98	1526127	80.0	75.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
90 Anthracene	178	8.780	8.780	0.000	97	1576531	80.0	75.8	
91 Carbazole	167	8.933	8.933	0.000	83	1479991	80.0	76.4	
92 Di-n-butyl phthalate	149	9.280	9.280	0.000	99	1825568	80.0	74.8	
93 Fluoranthene	202	9.857	9.857	0.000	97	1668459	80.0	75.9	
94 Benzidine	184	9.992	9.986	0.006	99	1097759	80.0	80.7	
95 Pyrene	202	10.069	10.069	0.000	96	1696496	80.0	75.8	
82 Bisphenol-A	213	10.127	10.122	0.005	96	771665	NC	NC	
$ 96 Terphenyl-d14	244	10.233	10.227	0.006	98	1431924	80.0	71.8	
97 Butyl benzyl phthalate	149	10.745	10.739	0.006	97	820270	80.0	79.4	
99 Carbamazepine	193	10.845	10.839	0.006	92	778262	NC	NC	
100 3,3'-Dichlorobenzidine	252	11.316	11.310	0.006	99	673638	80.0	79.9	
101 Benzo[a]anthracene	228	11.333	11.327	0.006	100	1611932	80.0	74.4	
* 102 Chrysene-d12	240	11.345	11.345	0.000	98	697786	40.0	40.0	
103 Chrysene	228	11.380	11.374	0.006	95	1520659	80.0	75.8	
104 Bis(2-ethylhexyl) phthalate	149	11.410	11.410	0.000	85	1185035	80.0	79.4	
105 Di-n-octyl phthalate	149	12.263	12.257	0.006	96	2129579	80.0	78.4	
106 Benzo[b]fluoranthene	252	12.716	12.710	0.006	97	1903742	80.0	77.8	
107 Benzo[k]fluoranthene	252	12.757	12.751	0.006	98	1910421	80.0	77.5	
108 Benzo[a]pyrene	252	13.168	13.157	0.011	95	1866243	80.0	79.6	
* 109 Perylene-d12	264	13.239	13.239	0.000	97	871857	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	14.827	14.815	0.012	99	1974381	80.0	82.2	
111 Dibenz(a,h)anthracene	278	14.880	14.862	0.018	96	2050395	80.0	80.6	
112 Benzo[g,h,i]perylene	276	15.274	15.257	0.017	96	2050747	80.0	78.1	
S 119 Total Cresols	1				0			153.7	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

SV_BNA_L8_00004 Amount Added: 1.00 Units: mL

Report Date: 03-Jun-2022 10:02:50 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS5\20220602-146048.b\X41876.d

Injection Date: 03-Jun-2022 07:08:30 Instrument ID: CBNAMS5

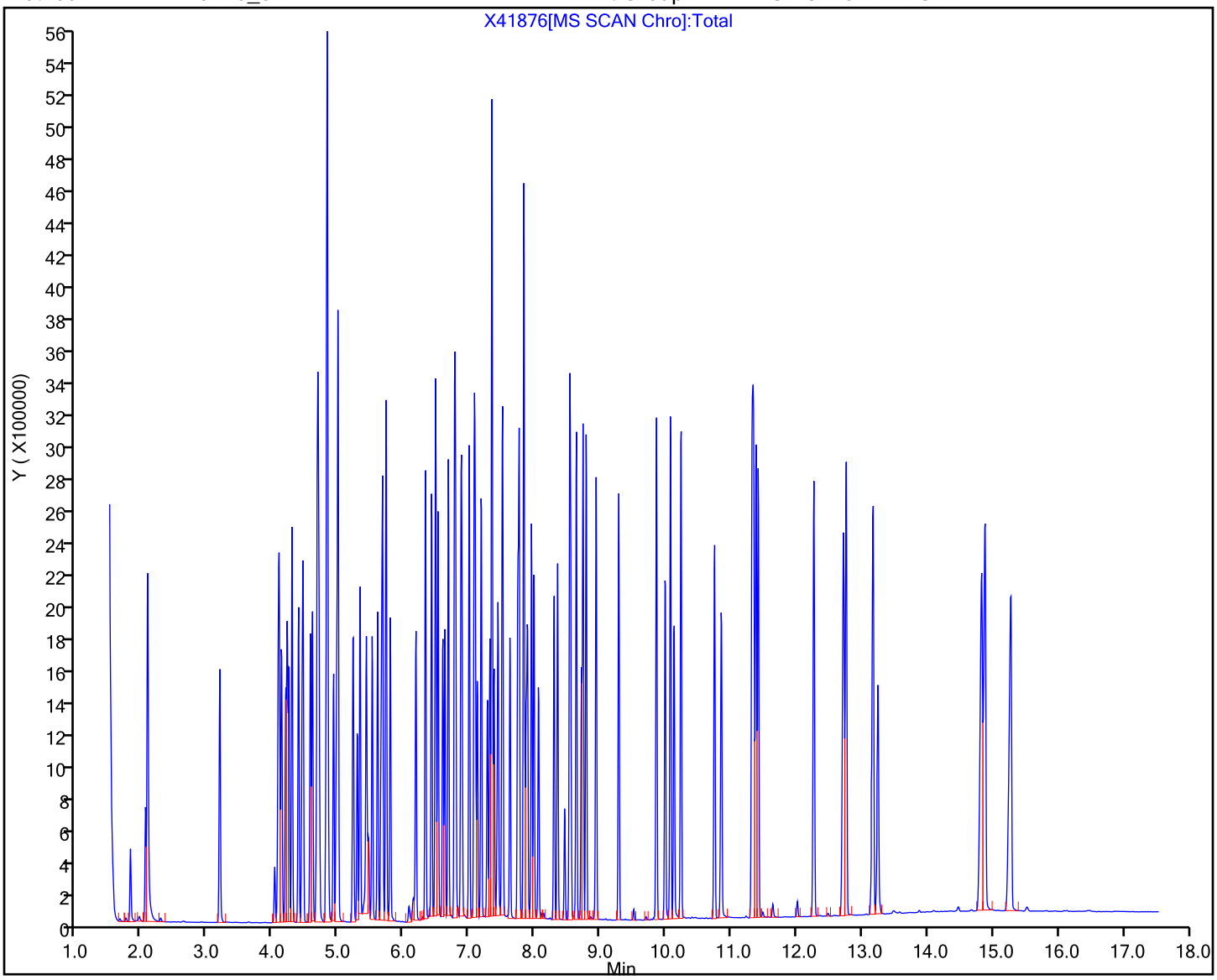
Lims ID: STD80

Client ID:

Operator ID: ALS Bottle#: 4 Worklist Smp#: 4

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8270_5R Limit Group: SV 8270 DEL ICAL



Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS5\20220602-146048.b\X41877.d
Lims ID: STD20
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 03-Jun-2022 07:31:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0146048-005
Operator ID: Instrument ID: CBNAMS5
Sublist: chrom-8270_5R*sub40

Method: \\chromfs\Edison\ChromData\CBNAMS5\20220602-146048.b\8270_5R.m
Limit Group: SV 8270 DEL ICAL
Last Update: 03-Jun-2022 10:02:54 Calib Date: 03-Jun-2022 09:29:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS5\20220602-146048.b\X41882.d

Column 1 : Det: MS SCAN
Process Host: CTX1640

First Level Reviewer: johnstonm1 Date: 03-Jun-2022 08:25:43

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.816	1.816	0.000	98	58475	20.0	19.3	
	2 N-Nitrosodimethylamine	74	2.040	2.040	0.000	80	102888	20.0	19.5	
	3 Pyridine	79	2.075	2.075	0.000	86	319258	40.0	40.1	
$	4 2-Fluorophenol	112	3.175	3.175	0.000	92	168864	20.0	19.5	
	5 Benzaldehyde	77	4.016	4.016	0.000	91	105536	16.0	14.4	
$	6 Phenol-d5	99	4.063	4.069	-0.006	96	205757	20.0	19.4	
	7 Phenol	94	4.081	4.087	-0.006	97	200244	20.0	19.2	
	8 Aniline	93	4.116	4.122	-0.006	77	250910	20.0	19.8	
	9 Bis(2-chloroethyl)ether	93	4.181	4.181	0.000	91	154912	20.0	19.5	
	11 2-Chlorophenol	128	4.234	4.234	0.000	85	167235	20.0	19.6	
	12 n-Decane	43	4.281	4.281	0.000	97	227897	20.0	20.3	
	13 1,3-Dichlorobenzene	146	4.381	4.381	0.000	94	180849	20.0	19.8	
*	14 1,4-Dichlorobenzene-d4	152	4.434	4.434	0.000	97	235686	40.0	40.0	
	15 1,4-Dichlorobenzene	146	4.451	4.451	0.000	90	181583	20.0	19.9	
	16 Benzyl alcohol	108	4.557	4.563	-0.006	90	105808	20.0	19.7	
	17 1,2-Dichlorobenzene	146	4.593	4.598	-0.005	89	173605	20.0	20.0	
	18 2-Methylphenol	108	4.663	4.663	0.000	85	144024	20.0	19.7	
	19 2,2'-oxybis[1-chloropropane]	45	4.693	4.693	0.001	63	279037	20.0	20.1	
	20 N-Methylaniline	106	4.804	4.810	-0.006	72	258522	NC	NC	
	23 3 & 4 Methylphenol	108	4.810	4.816	-0.006	72	159853	20.0	20.2	
	24 4-Methylphenol	108	4.810	4.816	-0.006	73	159853	20.0	20.2	
	21 Acetophenone	105	4.816	4.822	-0.006	80	226905	20.0	20.6	
	22 N-Nitrosodi-n-propylamine	70	4.816	4.822	-0.006	75	120861	20.0	19.7	
	25 Hexachloroethane	117	4.916	4.916	0.000	92	67346	20.0	19.2	
$	26 Nitrobenzene-d5	82	4.957	4.963	-0.006	88	185279	20.0	19.9	
	28 Nitrobenzene	123	4.975	4.981	-0.006	89	76097	20.0	19.9	
	27 n,n'-Dimethylaniline	120	4.981	4.987	-0.006	86	253633	20.0	20.1	
	31 Isophorone	82	5.204	5.210	-0.006	97	311821	20.0	20.0	
	32 2-Nitrophenol	139	5.281	5.281	0.000	87	74168	20.0	19.5	
	33 2,4-Dimethylphenol	122	5.316	5.322	-0.006	60	145124	20.0	20.0	
	34 Bis(2-chloroethoxy)methane	93	5.416	5.416	0.000	91	191399	20.0	20.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.387	5.428	-0.041	82	72349	20.0	19.7	
36 2,4-Dichlorophenol	162	5.504	5.510	-0.006	94	126423	20.0	20.2	
37 1,2,4-Trichlorobenzene	180	5.592	5.592	0.000	95	135167	20.0	20.1	
* 38 Naphthalene-d8	136	5.645	5.645	0.000	100	877633	40.0	40.0	
39 Naphthalene	128	5.663	5.669	-0.006	99	457263	20.0	20.2	
40 4-Chloroaniline	127	5.716	5.716	0.000	81	201018	20.0	20.5	
130 2,6-Dichlorophenol	162	5.722	5.722	0.000	88	121891	20.0	20.5	
41 Hexachlorobutadiene	225	5.787	5.787	0.000	95	79450	20.0	20.0	
42 Caprolactam	113	6.034	6.098	-0.064	87	32563	16.0	15.7	
43 4-Chloro-3-methylphenol	107	6.175	6.175	0.000	97	128490	20.0	19.9	
44 2-Methylnaphthalene	142	6.322	6.322	0.000	83	306514	20.0	20.4	
45 1-Methylnaphthalene	142	6.416	6.416	0.000	89	277259	20.0	20.1	
46 Hexachlorocyclopentadiene	237	6.475	6.475	0.000	88	106008	20.0	20.3	
47 1,2,4,5-Tetrachlorobenzene	216	6.481	6.481	0.000	96	134806	NC	NC	
48 2-tertbutyl-4-methylphenol	149	6.510	6.516	-0.006	68	187994	20.0	20.8	
49 2,4,6-Trichlorophenol	196	6.587	6.587	0.001	88	94447	20.0	21.0	
50 2,4,5-Trichlorophenol	196	6.616	6.616	0.000	88	94555	20.0	19.1	
$ 51 2-Fluorobiphenyl	172	6.669	6.675	-0.006	96	345943	20.0	19.5	
52 1,1'-Biphenyl	154	6.763	6.769	-0.006	96	352260	20.0	20.0	
53 2-Chloronaphthalene	162	6.781	6.786	-0.005	96	270438	20.0	20.1	
54 Phenyl ether	170	6.869	6.869	0.000	84	195348	20.0	20.2	
56 2-Nitroaniline	65	6.875	6.881	-0.006	85	102905	20.0	19.9	
57 1,3-Dimethylnaphthalene	156	6.992	6.992	0.000	89	221657	20.0	20.3	
58 Dimethyl phthalate	163	7.057	7.063	-0.006	97	307010	20.0	20.1	
59 Coumarin	146	7.069	7.075	-0.006	72	108394	20.0	20.4	
60 2,6-Dinitrotoluene	165	7.110	7.116	-0.006	7	64824	20.0	20.6	a
61 Acenaphthylene	152	7.175	7.175	0.000	96	450372	20.0	20.4	
64 3-Nitroaniline	138	7.263	7.269	-0.006	93	76729	20.0	19.9	
* 65 Acenaphthene-d10	164	7.310	7.310	0.000	97	457848	40.0	40.0	
66 3,5-di-tert-butyl-4-hydroxytol	205	7.334	7.334	0.000	77	235203	20.0	21.0	
67 Acenaphthene	154	7.339	7.339	0.000	85	282937	20.0	21.8	
68 2,4-Dinitrophenol	184	7.363	7.369	-0.006	58	58720	40.0	36.5	a
69 4-Nitrophenol	65	7.416	7.428	-0.012	90	111520	40.0	40.8	
70 2,4-Dinitrotoluene	165	7.486	7.492	-0.006	89	87180	20.0	21.2	
71 Dibenzofuran	168	7.498	7.504	-0.006	91	372725	20.0	20.1	
72 2,3,4,6-Tetrachlorophenol	232	7.616	7.616	0.000	93	75712	NC	NC	
73 Diethyl phthalate	149	7.728	7.733	-0.005	97	317502	20.0	20.1	
75 Fluorene	166	7.822	7.828	-0.006	81	300230	20.0	20.6	
74 4-Chlorophenyl phenyl ether	204	7.828	7.828	0.000	73	138381	20.0	20.4	
76 4-Nitroaniline	138	7.839	7.851	-0.012	92	77432	20.0	20.0	
77 4,6-Dinitro-2-methylphenol	198	7.869	7.875	-0.006	41	84494	40.0	42.1	
78 N-Nitrosodiphenylamine	169	7.939	7.939	0.000	96	218868	20.0	19.9	
79 1,2-Diphenylhydrazine	77	7.975	7.981	-0.006	95	315144	20.0	20.0	
$ 80 2,4,6-Tribromophenol	330	8.045	8.051	-0.006	94	73033	20.0	20.2	
81 4-Bromophenyl phenyl ether	248	8.286	8.292	-0.006	87	91427	20.0	19.8	
83 Hexachlorobenzene	284	8.339	8.345	-0.006	94	117504	20.0	19.6	
84 Atrazine	200	8.445	8.451	-0.006	85	69930	16.0	16.5	
85 Pentachlorophenol	266	8.522	8.528	-0.006	89	130575	40.0	40.8	
86 Pentachloronitrobenzene	237	8.539	8.545	-0.006	87	41070	20.0	20.3	
87 n-Octadecane	57	8.628	8.628	0.000	95	230122	20.0	20.1	
* 88 Phenanthrene-d10	188	8.704	8.710	-0.006	99	819887	40.0	40.0	
89 Phenanthrene	178	8.728	8.733	-0.005	97	436871	20.0	20.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
90 Anthracene	178	8.775	8.780	-0.005	97	445475	20.0	20.0	
91 Carbazole	167	8.928	8.933	-0.005	83	410239	20.0	19.8	
92 Di-n-butyl phthalate	149	9.275	9.280	-0.005	99	536415	20.0	20.6	
93 Fluoranthene	202	9.851	9.857	-0.006	97	472699	20.0	20.1	
94 Benzidine	184	9.980	9.986	-0.006	99	290748	20.0	20.0	
95 Pyrene	202	10.063	10.069	-0.006	96	485882	20.0	20.1	
82 Bisphenol-A	213	10.122	10.122	0.000	96	199255	NC	NC	
$ 96 Terphenyl-d14	244	10.227	10.227	0.000	98	420112	20.0	19.5	
97 Butyl benzyl phthalate	149	10.739	10.739	0.000	96	225130	20.0	20.1	
99 Carbamazepine	193	10.833	10.839	-0.006	92	187642	NC	NC	
100 3,3'-Dichlorobenzidine	252	11.304	11.310	-0.006	99	187601	20.0	20.6	
101 Benzo[a]anthracene	228	11.327	11.327	0.000	99	445405	20.0	19.0	
* 102 Chrysene-d12	240	11.339	11.345	-0.006	98	754527	40.0	40.0	
103 Chrysene	228	11.369	11.374	-0.005	94	436082	20.0	20.1	
104 Bis(2-ethylhexyl) phthalate	149	11.410	11.410	0.000	71	324387	20.0	20.1	a
105 Di-n-octyl phthalate	149	12.257	12.257	0.000	96	576224	20.0	20.1	
106 Benzo[b]fluoranthene	252	12.698	12.710	-0.012	98	505023	20.0	19.6	
107 Benzo[k]fluoranthene	252	12.739	12.751	-0.012	99	539165	20.0	20.7	
108 Benzo[a]pyrene	252	13.151	13.157	-0.006	96	496252	20.0	20.1	
* 109 Perylene-d12	264	13.233	13.239	-0.006	98	919683	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	14.798	14.815	-0.017	99	507544	20.0	20.0	
111 Dibenz(a,h)anthracene	278	14.851	14.862	-0.011	96	544862	20.0	20.3	
112 Benzo[g,h,i]perylene	276	15.239	15.257	-0.018	93	541835	20.0	19.6	
S 119 Total Cresols	1				0			39.9	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

a - User Assigned ID

Reagents:

SV_BNA_L6_00004 Amount Added: 1.00 Units: mL

Report Date: 03-Jun-2022 10:02:54 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS5\20220602-146048.b\X41877.d

Injection Date: 03-Jun-2022 07:31:30 Instrument ID: CBNAMS5

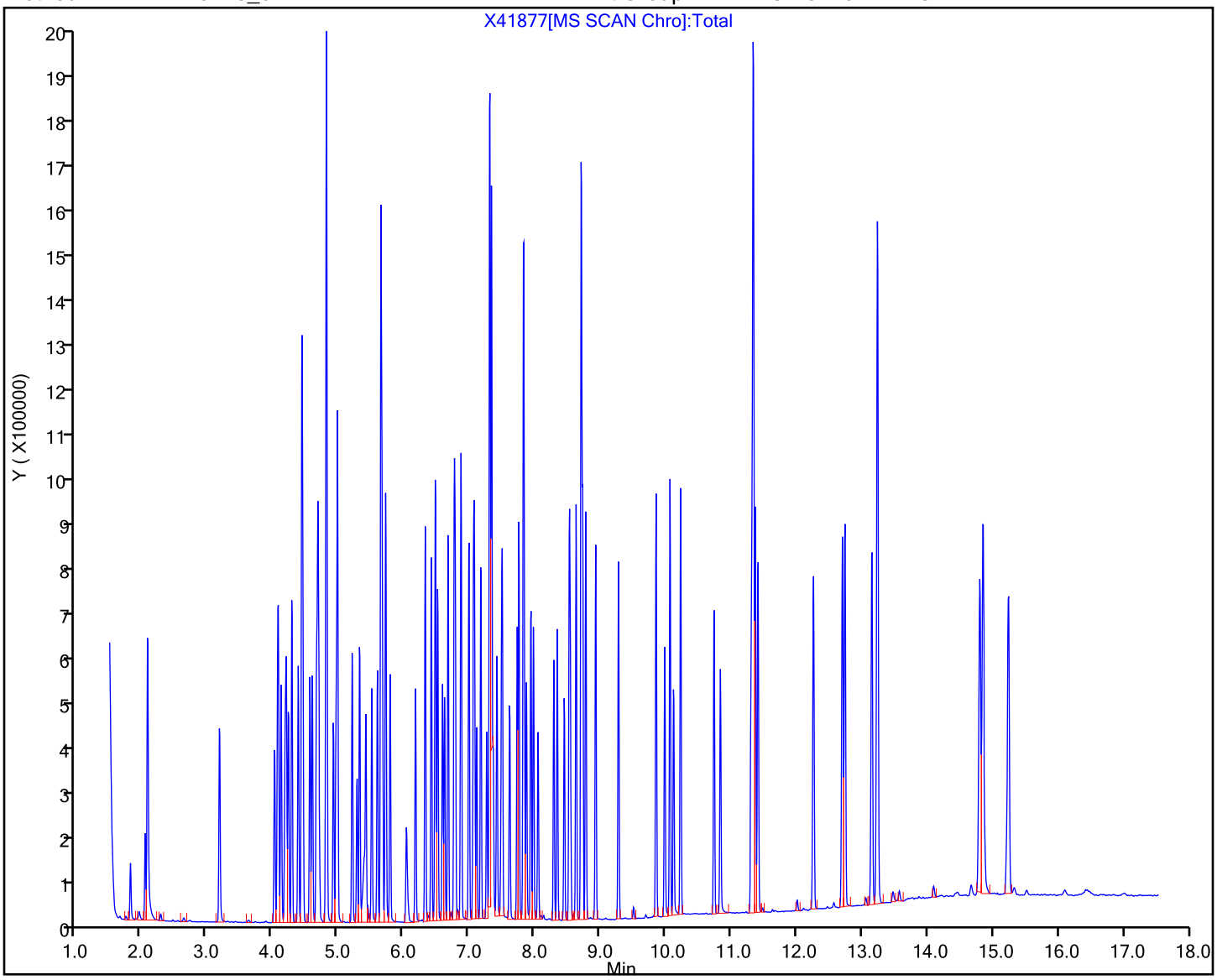
Lims ID: STD20

Client ID:

Operator ID: ALS Bottle#: 5 Worklist Smp#: 5

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8270_5R Limit Group: SV 8270 DEL ICAL



Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS5\20220602-146048.b\X41878.d
Lims ID: STD10
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 03-Jun-2022 07:55:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0146048-006
Operator ID: Instrument ID: CBNAMS5
Sublist: chrom-8270_5R*sub40

Method: \\chromfs\Edison\ChromData\CBNAMS5\20220602-146048.b\8270_5R.m
Limit Group: SV 8270 DEL ICAL
Last Update: 03-Jun-2022 10:02:57 Calib Date: 03-Jun-2022 09:29:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS5\20220602-146048.b\X41882.d

Column 1 : Det: MS SCAN
Process Host: CTX1640

First Level Reviewer: johnstonm1 Date: 03-Jun-2022 08:27:06

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.816	1.816	0.000	97	29229	10.0	10.3	
	2 N-Nitrosodimethylamine	74	2.040	2.040	0.000	78	50540	10.0	10.3	
	3 Pyridine	79	2.081	2.075	0.006	87	154170	20.0	20.7	
$	4 2-Fluorophenol	112	3.175	3.175	0.000	93	73463	10.0	9.10	
	5 Benzaldehyde	77	4.016	4.016	0.000	91	64124	10.0	9.40	
$	6 Phenol-d5	99	4.063	4.069	-0.006	88	88744	10.0	8.96	
	7 Phenol	94	4.075	4.087	-0.012	97	97717	10.0	10.0	
	8 Aniline	93	4.116	4.122	-0.006	54	121446	10.0	10.3	
	9 Bis(2-chloroethyl)ether	93	4.175	4.181	-0.006	91	77642	10.0	10.5	
	11 2-Chlorophenol	128	4.228	4.234	-0.006	76	82136	10.0	10.3	
	12 n-Decane	43	4.281	4.281	0.000	96	109459	10.0	10.5	
	13 1,3-Dichlorobenzene	146	4.381	4.381	0.000	94	87847	10.0	10.3	
*	14 1,4-Dichlorobenzene-d4	152	4.434	4.434	0.000	97	219854	40.0	40.0	
	15 1,4-Dichlorobenzene	146	4.451	4.451	0.000	90	89450	10.0	10.5	
	16 Benzyl alcohol	108	4.557	4.563	-0.006	90	49541	10.0	9.91	
	17 1,2-Dichlorobenzene	146	4.593	4.598	-0.006	89	85176	10.0	10.5	
	18 2-Methylphenol	108	4.657	4.663	-0.006	86	69683	10.0	10.2	
	19 2,2'-oxybis[1-chloropropane]	45	4.692	4.693	0.000	63	133821	10.0	10.3	
	20 N-Methylaniline	106	4.804	4.810	-0.006	70	119513	NC	NC	
	23 3 & 4 Methylphenol	108	4.804	4.816	-0.012	74	78775	10.0	10.7	
	24 4-Methylphenol	108	4.804	4.816	-0.012	76	78775	10.0	10.7	
	21 Acetophenone	105	4.816	4.822	-0.006	84	112132	10.0	10.9	
	22 N-Nitrosodi-n-propylamine	70	4.810	4.822	-0.012	69	58322	10.0	10.2	
	25 Hexachloroethane	117	4.916	4.916	0.000	93	33629	10.0	10.3	
$	26 Nitrobenzene-d5	82	4.957	4.963	-0.006	88	78736	10.0	9.09	
	28 Nitrobenzene	123	4.975	4.981	-0.006	89	36934	10.0	10.3	
	27 n,n'-Dimethylaniline	120	4.981	4.987	-0.006	83	118172	10.0	10.0	
	31 Isophorone	82	5.204	5.210	-0.006	99	149307	10.0	10.3	
	32 2-Nitrophenol	139	5.275	5.281	-0.006	85	35405	10.0	9.97	
	33 2,4-Dimethylphenol	122	5.316	5.322	-0.006	65	70850	10.0	10.5	
	34 Bis(2-chloroethoxy)methane	93	5.410	5.416	-0.006	93	92142	10.0	10.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.363	5.428	-0.065	57	22182	10.0	8.73	M
36 2,4-Dichlorophenol	162	5.504	5.510	-0.006	94	60684	10.0	10.4	
37 1,2,4-Trichlorobenzene	180	5.592	5.592	0.000	95	63547	10.0	10.1	
* 38 Naphthalene-d8	136	5.645	5.645	0.000	100	818001	40.0	40.0	
39 Naphthalene	128	5.663	5.669	-0.006	98	224197	10.0	10.6	
40 4-Chloroaniline	127	5.710	5.716	-0.006	83	97799	10.0	10.7	
130 2,6-Dichlorophenol	162	5.722	5.722	0.000	87	58394	10.0	10.5	
41 Hexachlorobutadiene	225	5.787	5.787	0.000	95	39076	10.0	10.5	
42 Caprolactam	113	6.022	6.098	-0.076	87	18258	10.0	9.46	
43 4-Chloro-3-methylphenol	107	6.169	6.175	-0.006	94	60782	10.0	10.1	
44 2-Methylnaphthalene	142	6.322	6.322	0.000	82	147426	10.0	10.5	
45 1-Methylnaphthalene	142	6.416	6.416	0.000	82	135709	10.0	10.6	
46 Hexachlorocyclopentadiene	237	6.475	6.475	0.000	83	50028	10.0	10.3	
47 1,2,4,5-Tetrachlorobenzene	216	6.481	6.481	0.000	96	67357	NC	NC	
48 2-tertbutyl-4-methylphenol	149	6.510	6.516	-0.006	66	85113	10.0	10.1	
49 2,4,6-Trichlorophenol	196	6.586	6.587	0.000	88	40992	10.0	9.84	
50 2,4,5-Trichlorophenol	196	6.616	6.616	0.000	83	47978	10.0	10.5	
$ 51 2-Fluorobiphenyl	172	6.669	6.675	-0.006	97	151230	10.0	9.23	
52 1,1'-Biphenyl	154	6.763	6.769	-0.006	96	171904	10.0	10.6	
53 2-Chloronaphthalene	162	6.781	6.786	-0.005	96	130048	10.0	10.4	
54 Phenyl ether	170	6.863	6.869	-0.006	86	90204	10.0	10.1	
56 2-Nitroaniline	65	6.869	6.881	-0.012	70	46904	10.0	9.83	
57 1,3-Dimethylnaphthalene	156	6.986	6.992	-0.006	89	100946	10.0	10.0	
58 Dimethyl phthalate	163	7.057	7.063	-0.006	97	148547	10.0	10.5	
59 Coumarin	146	7.069	7.075	-0.006	73	49838	10.0	10.1	
60 2,6-Dinitrotoluene	165	7.104	7.116	-0.012	0	30746	10.0	10.5	a
61 Acenaphthylene	152	7.169	7.175	-0.006	96	218468	10.0	10.7	
64 3-Nitroaniline	138	7.257	7.269	-0.012	93	36307	10.0	10.2	
* 65 Acenaphthene-d10	164	7.304	7.310	-0.006	98	423337	40.0	40.0	
66 3,5-di-tert-butyl-4-hydroxytol	205	7.334	7.334	0.000	61	106100	10.0	10.2	
67 Acenaphthene	154	7.334	7.339	-0.005	89	134545	10.0	11.2	
68 2,4-Dinitrophenol	184	7.357	7.369	-0.012	53	24173	20.0	18.3	a
69 4-Nitrophenol	65	7.416	7.428	-0.012	90	49361	20.0	19.5	
70 2,4-Dinitrotoluene	165	7.481	7.492	-0.011	88	39324	10.0	10.3	
71 Dibenzofuran	168	7.498	7.504	-0.006	92	180358	10.0	10.5	
72 2,3,4,6-Tetrachlorophenol	232	7.610	7.616	-0.006	91	35468	NC	NC	
73 Diethyl phthalate	149	7.722	7.733	-0.011	96	150925	10.0	10.3	
75 Fluorene	166	7.822	7.828	-0.006	80	142869	10.0	10.6	
74 4-Chlorophenyl phenyl ether	204	7.828	7.828	0.000	74	67166	10.0	10.7	
76 4-Nitroaniline	138	7.833	7.851	-0.018	91	35752	10.0	9.96	
77 4,6-Dinitro-2-methylphenol	198	7.863	7.875	-0.012	35	36645	20.0	20.0	
78 N-Nitrosodiphenylamine	169	7.933	7.939	-0.006	96	106713	10.0	10.6	
79 1,2-Diphenylhydrazine	77	7.975	7.981	-0.006	96	152016	10.0	10.6	
$ 80 2,4,6-Tribromophenol	330	8.045	8.051	-0.006	93	29979	10.0	8.95	
81 4-Bromophenyl phenyl ether	248	8.286	8.292	-0.006	88	43915	10.0	10.4	
83 Hexachlorobenzene	284	8.339	8.345	-0.006	93	56815	10.0	10.4	
84 Atrazine	200	8.445	8.451	-0.006	87	37177	10.0	9.63	
85 Pentachlorophenol	266	8.522	8.528	-0.006	91	61049	20.0	21.0	
86 Pentachloronitrobenzene	237	8.539	8.545	-0.006	88	19047	10.0	10.3	
87 n-Octadecane	57	8.628	8.628	0.000	96	108314	10.0	10.4	
* 88 Phenanthrene-d10	188	8.704	8.710	-0.006	99	746164	40.0	40.0	
89 Phenanthrene	178	8.728	8.733	-0.005	96	209533	10.0	10.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
90 Anthracene	178	8.775	8.780	-0.005	97	216620	10.0	10.7	
91 Carbazole	167	8.928	8.933	-0.005	83	202124	10.0	10.7	
92 Di-n-butyl phthalate	149	9.275	9.280	-0.005	99	252750	10.0	10.6	
93 Fluoranthene	202	9.851	9.857	-0.006	97	228238	10.0	10.7	
94 Benzidine	184	9.980	9.986	-0.006	99	138791	10.0	10.5	
95 Pyrene	202	10.063	10.069	-0.006	97	241547	10.0	10.6	
82 Bisphenol-A	213	10.116	10.122	-0.006	97	90117	NC	NC	
$ 96 Terphenyl-d14	244	10.222	10.227	-0.005	98	188774	10.0	9.33	
97 Butyl benzyl phthalate	149	10.733	10.739	-0.006	97	104784	10.0	10.0	
99 Carbamazepine	193	10.827	10.839	-0.012	91	82169	NC	NC	
100 3,3'-Dichlorobenzidine	252	11.304	11.310	-0.006	99	85980	10.0	10.1	
101 Benzo[a]anthracene	228	11.321	11.327	-0.006	99	221599	10.0	10.1	
* 102 Chrysene-d12	240	11.339	11.345	-0.006	99	707746	40.0	40.0	
103 Chrysene	228	11.363	11.374	-0.011	91	212322	10.0	10.4	
104 Bis(2-ethylhexyl) phthalate	149	11.410	11.410	0.000	70	153330	10.0	10.1	
105 Di-n-octyl phthalate	149	12.257	12.257	0.000	94	276587	10.0	10.3	
106 Benzo[b]fluoranthene	252	12.692	12.710	-0.018	98	253451	10.0	10.4	
107 Benzo[k]fluoranthene	252	12.733	12.751	-0.018	99	253774	10.0	10.4	
108 Benzo[a]pyrene	252	13.145	13.157	-0.012	96	246935	10.0	10.6	
* 109 Perylene-d12	264	13.233	13.239	-0.006	98	865595	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	14.792	14.815	-0.023	99	246290	10.0	10.3	
111 Dibenz(a,h)anthracene	278	14.845	14.862	-0.017	42	261755	10.0	10.4	
112 Benzo[g,h,i]perylene	276	15.227	15.257	-0.030	93	265639	10.0	10.2	
S 119 Total Cresols	1				0			20.9	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

SV_BNA_L5_00004 Amount Added: 1.00 Units: mL

Report Date: 03-Jun-2022 10:02:58 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS5\20220602-146048.b\X41878.d

Injection Date: 03-Jun-2022 07:55:30 Instrument ID: CBNAMS5

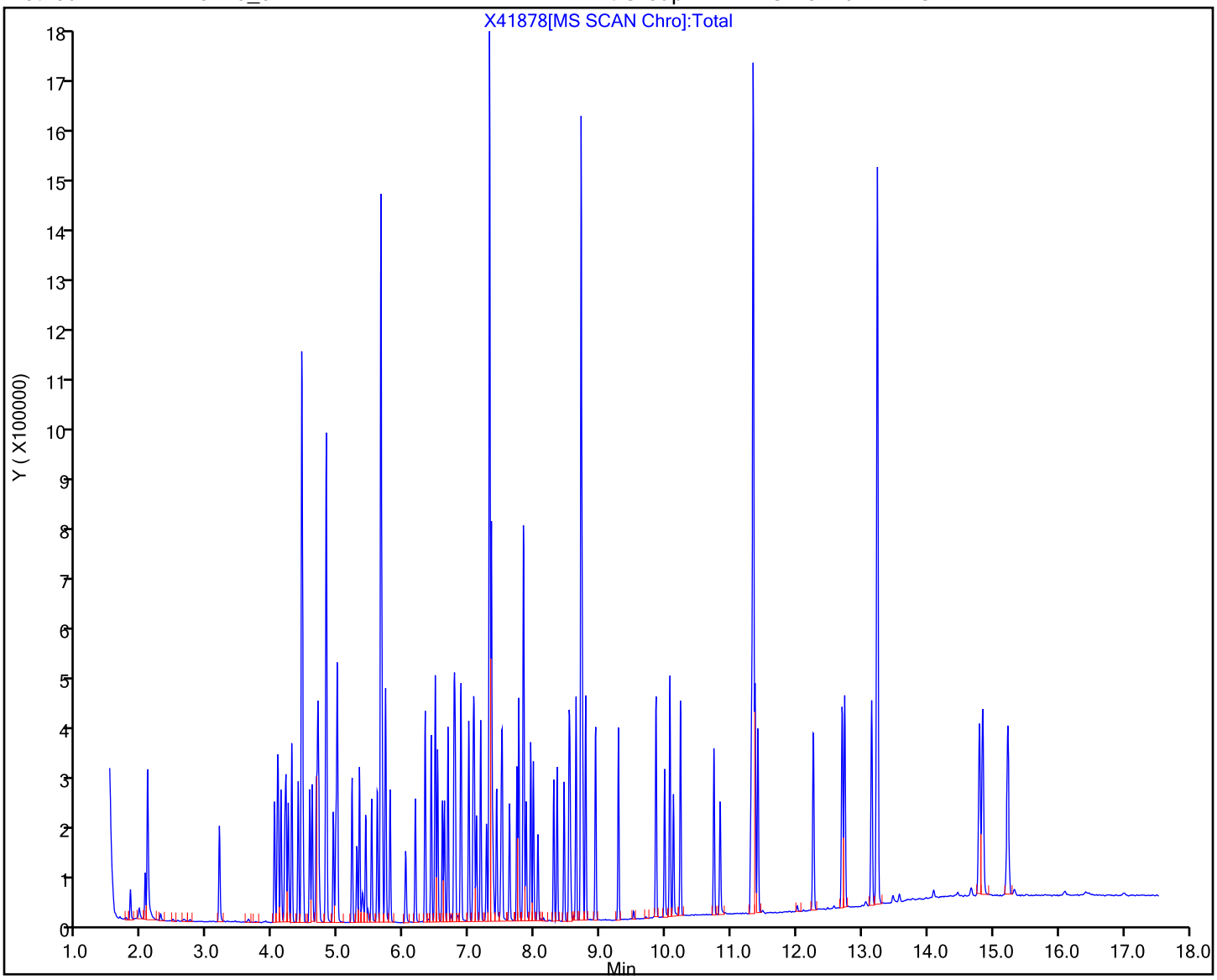
Lims ID: STD10

Client ID:

Operator ID: ALS Bottle#: 6 Worklist Smp#: 6

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8270_5R Limit Group: SV 8270 DEL ICAL



Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS5\20220602-146048.b\X41879.d
Lims ID: STD5
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 03-Jun-2022 08:19:30 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0146048-007
Operator ID: Instrument ID: CBNAMS5
Sublist: chrom-8270_5R*sub40

Method: \\chromfs\Edison\ChromData\CBNAMS5\20220602-146048.b\8270_5R.m
Limit Group: SV 8270 DEL ICAL
Last Update: 03-Jun-2022 10:03:02 Calib Date: 03-Jun-2022 09:29:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS5\20220602-146048.b\X41882.d

Column 1 : Det: MS SCAN
Process Host: CTX1640

First Level Reviewer: johnstonm1 Date: 03-Jun-2022 08:48:04

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.810	1.816	-0.006	97	12577	5.00	5.21	
2 N-Nitrosodimethylamine	74	2.040	2.040	0.000	81	22139	5.00	5.27	
3 Pyridine	79	2.075	2.075	0.000	85	65708	10.0	10.4	
$ 4 2-Fluorophenol	112	3.175	3.175	0.000	91	32329	5.00	4.69	
5 Benzaldehyde	77	4.016	4.016	0.000	91	29830	5.00	5.12	
$ 6 Phenol-d5	99	4.057	4.069	-0.012	88	40610	5.00	4.80	
7 Phenol	94	4.075	4.087	-0.012	97	42217	5.00	5.08	
8 Aniline	93	4.116	4.122	-0.006	75	51608	5.00	5.11	
9 Bis(2-chloroethyl)ether	93	4.175	4.181	-0.006	91	32826	5.00	5.20	
11 2-Chlorophenol	128	4.228	4.234	-0.006	89	35864	5.00	5.27	
12 n-Decane	43	4.281	4.281	0.000	95	48075	5.00	5.38	
13 1,3-Dichlorobenzene	146	4.381	4.381	0.000	95	39367	5.00	5.43	
* 14 1,4-Dichlorobenzene-d4	152	4.434	4.434	0.000	97	187558	40.0	40.0	
15 1,4-Dichlorobenzene	146	4.451	4.451	0.000	85	39340	5.00	5.41	
16 Benzyl alcohol	108	4.557	4.563	-0.006	90	22035	5.00	5.17	
17 1,2-Dichlorobenzene	146	4.592	4.598	-0.006	89	36468	5.00	5.27	
18 2-Methylphenol	108	4.657	4.663	-0.006	87	31206	5.00	5.36	
19 2,2'-oxybis[1-chloropropane]	45	4.692	4.693	0.000	62	59460	5.00	5.38	
20 N-Methylaniline	106	4.804	4.810	-0.006	68	53800	NC	NC	
23 3 & 4 Methylphenol	108	4.804	4.816	-0.012	72	34467	5.00	5.48	
24 4-Methylphenol	108	4.804	4.816	-0.012	74	34467	5.00	5.48	
21 Acetophenone	105	4.810	4.822	-0.012	79	49546	5.00	5.66	
22 N-Nitrosodi-n-propylamine	70	4.810	4.822	-0.012	73	26239	5.00	5.37	
25 Hexachloroethane	117	4.916	4.916	0.000	93	14635	5.00	5.25	
$ 26 Nitrobenzene-d5	82	4.951	4.963	-0.012	89	36154	5.00	4.76	
28 Nitrobenzene	123	4.975	4.981	-0.006	87	15637	5.00	5.13	
27 n,n'-Dimethylaniline	120	4.981	4.987	-0.006	89	52953	5.00	5.26	
31 Isophorone	82	5.198	5.210	-0.012	96	65471	5.00	5.16	
32 2-Nitrophenol	139	5.275	5.281	-0.006	87	15051	5.00	4.84	
33 2,4-Dimethylphenol	122	5.316	5.322	-0.006	62	31319	5.00	5.29	
34 Bis(2-chloroethoxy)methane	93	5.410	5.416	-0.006	97	40906	5.00	5.29	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.351	5.428	-0.077	32	7136	5.00	5.32	M
36 2,4-Dichlorophenol	162	5.504	5.510	-0.006	94	25845	5.00	5.06	
37 1,2,4-Trichlorobenzene	180	5.586	5.592	-0.006	94	29917	5.00	5.45	
* 38 Naphthalene-d8	136	5.645	5.645	0.000	100	716428	40.0	40.0	
39 Naphthalene	128	5.663	5.669	-0.006	91	99469	5.00	5.38	
40 4-Chloroaniline	127	5.710	5.716	-0.006	82	42019	5.00	5.26	
130 2,6-Dichlorophenol	162	5.716	5.722	-0.006	82	25509	5.00	5.20	
41 Hexachlorobutadiene	225	5.786	5.787	-0.001	94	16639	5.00	5.12	
42 Caprolactam	113	6.016	6.098	-0.082	88	7634	5.00	4.52	
43 4-Chloro-3-methylphenol	107	6.169	6.175	-0.006	97	26728	5.00	5.07	
44 2-Methylnaphthalene	142	6.322	6.322	0.000	84	66591	5.00	5.43	
45 1-Methylnaphthalene	142	6.410	6.416	-0.006	91	60283	5.00	5.36	
46 Hexachlorocyclopentadiene	237	6.475	6.475	0.000	80	21788	5.00	5.13	
47 1,2,4,5-Tetrachlorobenzene	216	6.481	6.481	0.000	95	29479	NC	NC	
48 2-tertbutyl-4-methylphenol	149	6.510	6.516	-0.006	67	37027	5.00	5.01	
49 2,4,6-Trichlorophenol	196	6.586	6.587	0.000	88	18132	5.00	4.95	
50 2,4,5-Trichlorophenol	196	6.616	6.616	0.000	81	20948	5.00	5.22	
$ 51 2-Fluorobiphenyl	172	6.669	6.675	-0.006	97	70467	5.00	4.90	
52 1,1'-Biphenyl	154	6.763	6.769	-0.006	96	77748	5.00	5.44	
53 2-Chloronaphthalene	162	6.781	6.786	-0.005	96	58916	5.00	5.39	
54 Phenyl ether	170	6.863	6.869	-0.006	89	40029	5.00	5.11	
56 2-Nitroaniline	65	6.869	6.881	-0.012	71	20626	5.00	4.92	
57 1,3-Dimethylnaphthalene	156	6.986	6.992	-0.006	88	45635	5.00	5.15	
58 Dimethyl phthalate	163	7.051	7.063	-0.012	97	66095	5.00	5.33	
59 Coumarin	146	7.069	7.075	-0.006	73	22265	5.00	5.14	
60 2,6-Dinitrotoluene	165	7.104	7.116	-0.012	0	12801	5.00	5.00	
61 Acenaphthylene	152	7.169	7.175	-0.006	97	95594	5.00	5.32	
64 3-Nitroaniline	138	7.257	7.269	-0.012	93	15205	5.00	4.85	
* 65 Acenaphthene-d10	164	7.304	7.310	-0.006	99	371867	40.0	40.0	
66 3,5-di-tert-butyl-4-hydroxytol	205	7.333	7.334	-0.001	50	49138	5.00	5.40	
67 Acenaphthene	154	7.333	7.339	-0.006	96	59197	5.00	5.63	
68 2,4-Dinitrophenol	184	7.357	7.369	-0.012	21	7470	10.0	8.88	a
69 4-Nitrophenol	65	7.410	7.428	-0.018	89	18455	10.0	8.31	
70 2,4-Dinitrotoluene	165	7.480	7.492	-0.012	85	16116	5.00	4.82	
71 Dibenzofuran	168	7.498	7.504	-0.006	92	82147	5.00	5.45	
72 2,3,4,6-Tetrachlorophenol	232	7.610	7.616	-0.006	90	14834	NC	NC	
73 Diethyl phthalate	149	7.722	7.733	-0.011	97	66706	5.00	5.19	
75 Fluorene	166	7.822	7.828	-0.006	81	64715	5.00	5.46	
74 4-Chlorophenyl phenyl ether	204	7.828	7.828	0.000	80	30985	5.00	5.62	
76 4-Nitroaniline	138	7.828	7.851	-0.023	68	14879	5.00	4.72	
77 4,6-Dinitro-2-methylphenol	198	7.863	7.875	-0.012	9	14371	10.0	8.77	
78 N-Nitrosodiphenylamine	169	7.933	7.939	-0.006	96	47463	5.00	5.29	
79 1,2-Diphenylhydrazine	77	7.975	7.981	-0.006	96	67065	5.00	5.21	
$ 80 2,4,6-Tribromophenol	330	8.045	8.051	-0.006	92	13934	5.00	4.74	
81 4-Bromophenyl phenyl ether	248	8.286	8.292	-0.006	90	19730	5.00	5.23	
83 Hexachlorobenzene	284	8.339	8.345	-0.006	94	25434	5.00	5.20	
84 Atrazine	200	8.445	8.451	-0.006	87	17353	5.00	5.02	
85 Pentachlorophenol	266	8.522	8.528	-0.006	88	25827	10.0	9.90	
86 Pentachloronitrobenzene	237	8.539	8.545	-0.006	88	7851	5.00	4.76	
87 n-Octadecane	57	8.627	8.628	-0.001	93	50367	5.00	5.40	
* 88 Phenanthrene-d10	188	8.704	8.710	-0.006	99	668344	40.0	40.0	
89 Phenanthrene	178	8.727	8.733	-0.006	96	94798	5.00	5.38	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
90 Anthracene	178	8.775	8.780	-0.005	97	95749	5.00	5.28	
91 Carbazole	167	8.922	8.933	-0.011	83	90750	5.00	5.37	
92 Di-n-butyl phthalate	149	9.274	9.280	-0.006	99	110300	5.00	5.19	
93 Fluoranthene	202	9.845	9.857	-0.012	97	100958	5.00	5.27	
94 Benzidine	184	9.980	9.986	-0.006	99	61055	5.00	5.15	
95 Pyrene	202	10.063	10.069	-0.006	96	102434	5.00	5.21	
82 Bisphenol-A	213	10.116	10.122	-0.006	97	36523	NC	NC	
$ 96 Terphenyl-d14	244	10.221	10.227	-0.006	98	85121	5.00	4.86	
97 Butyl benzyl phthalate	149	10.733	10.739	-0.006	96	44271	5.00	4.88	
99 Carbamazepine	193	10.827	10.839	-0.012	85	29888	NC	NC	
100 3,3'-Dichlorobenzidine	252	11.304	11.310	-0.006	99	36761	5.00	4.96	
101 Benzo[a]anthracene	228	11.321	11.327	-0.006	65	99482	5.00	5.22	
* 102 Chrysene-d12	240	11.333	11.345	-0.012	99	613150	40.0	40.0	
103 Chrysene	228	11.363	11.374	-0.011	91	92893	5.00	5.27	
104 Bis(2-ethylhexyl) phthalate	149	11.404	11.410	-0.006	71	64842	5.00	4.95	
105 Di-n-octyl phthalate	149	12.251	12.257	-0.006	93	111336	5.00	4.95	
106 Benzo[b]fluoranthene	252	12.692	12.710	-0.018	97	103965	5.00	5.13	
107 Benzo[k]fluoranthene	252	12.727	12.751	-0.024	99	112117	5.00	5.49	
108 Benzo[a]pyrene	252	13.145	13.157	-0.012	96	103564	5.00	5.33	
* 109 Perylene-d12	264	13.233	13.239	-0.006	98	722742	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	14.786	14.815	-0.029	99	103139	5.00	5.18	
111 Dibenz(a,h)anthracene	278	14.839	14.862	-0.023	41	105055	5.00	4.98	
112 Benzo[g,h,i]perylene	276	15.221	15.257	-0.036	93	111612	5.00	5.13	
S 119 Total Cresols	1				0			10.8	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

SV_BNA_L4_00004 Amount Added: 1.00 Units: mL

Report Date: 03-Jun-2022 10:03:02 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS5\20220602-146048.b\X41879.d

Injection Date: 03-Jun-2022 08:19:30 Instrument ID: CBNAMS5

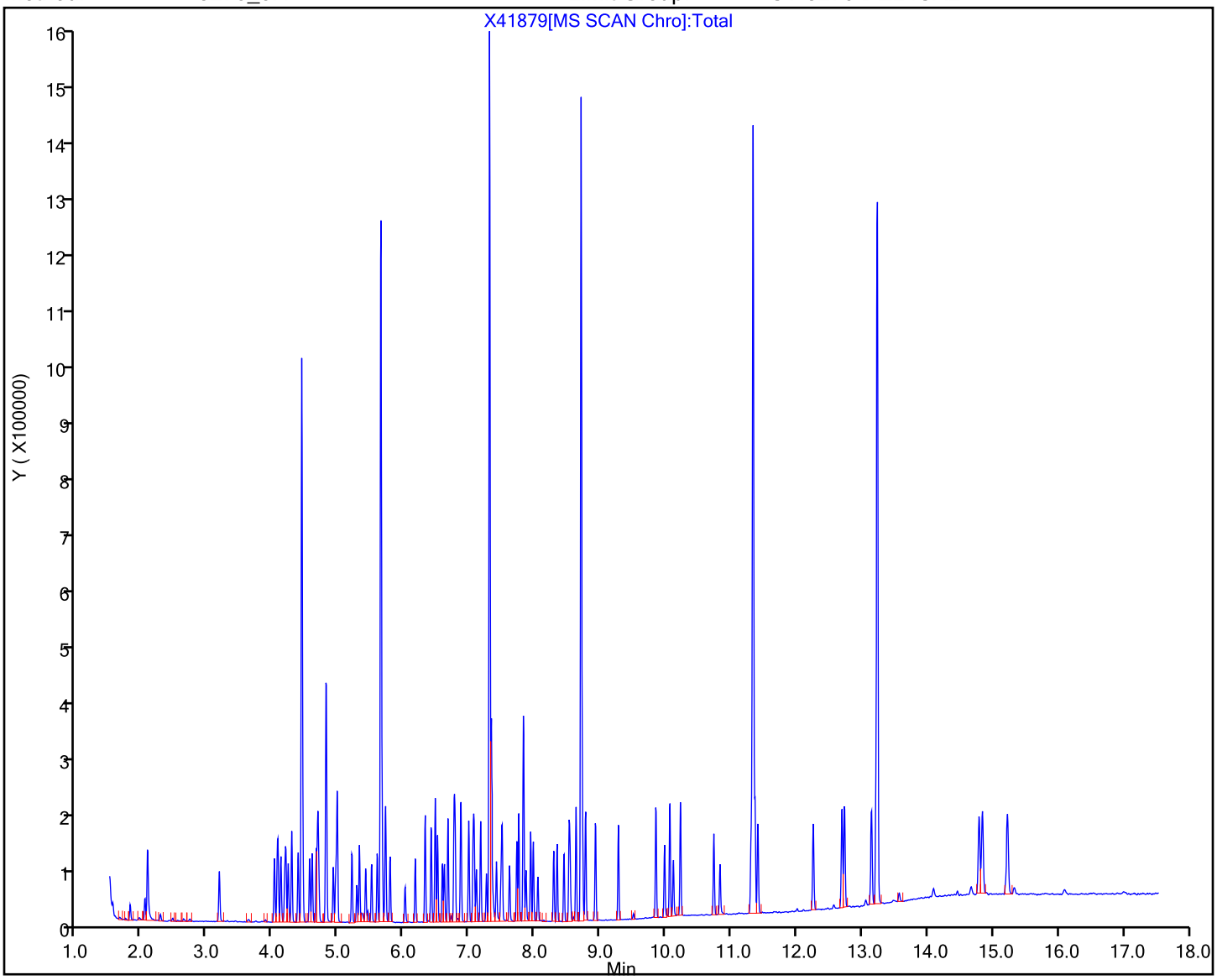
Lims ID: STD5

Client ID:

Operator ID: ALS Bottle#: 7 Worklist Smp#: 7

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8270_5R Limit Group: SV 8270 DEL ICAL



Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS5\20220602-146048.b\X41880.d
Lims ID: STD2
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 03-Jun-2022 08:42:30 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0146048-008
Operator ID: Instrument ID: CBNAMS5
Sublist: chrom-8270_5R*sub40

Method: \\chromfs\Edison\ChromData\CBNAMS5\20220602-146048.b\8270_5R.m
Limit Group: SV 8270 DEL ICAL
Last Update: 03-Jun-2022 10:03:05 Calib Date: 03-Jun-2022 09:29:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS5\20220602-146048.b\X41882.d

Column 1 : Det: MS SCAN
Process Host: CTX1640

First Level Reviewer: johnstonm1 Date: 03-Jun-2022 09:06:47

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.816	1.816	0.000	94	5434	2.00	1.95	
3 Pyridine	79	2.087	2.075	0.012	84	28921	4.00	3.95	
$ 4 2-Fluorophenol	112	3.175	3.175	0.000	92	18454	2.00	2.32	
5 Benzaldehyde	77	4.016	4.016	0.000	90	14340	2.00	2.13	
$ 6 Phenol-d5	99	4.057	4.069	-0.012	88	22557	2.00	2.31	
9 Bis(2-chloroethyl)ether	93	4.175	4.181	-0.006	87	14752	2.00	2.02	
* 14 1,4-Dichlorobenzene-d4	152	4.434	4.434	0.000	98	216504	40.0	40.0	
22 N-Nitrosodi-n-propylamine	70	4.810	4.822	-0.012	72	11385	2.00	2.02	
25 Hexachloroethane	117	4.916	4.916	0.000	90	6127	2.00	1.90	
$ 26 Nitrobenzene-d5	82	4.951	4.963	-0.012	89	19567	2.00	2.24	
28 Nitrobenzene	123	4.975	4.981	-0.006	86	6958	2.00	1.98	
27 n,n'-Dimethylaniline	120	4.981	4.987	-0.006	84	24148	2.00	2.08	
31 Isophorone	82	5.199	5.210	-0.012	97	28649	2.00	1.96	
36 2,4-Dichlorophenol	162	5.504	5.510	-0.006	94	11092	2.00	1.89	
37 1,2,4-Trichlorobenzene	180	5.587	5.592	-0.005	94	12330	2.00	1.95	
* 38 Naphthalene-d8	136	5.646	5.645	0.001	100	823767	40.0	40.0	
130 2,6-Dichlorophenol	162	5.716	5.722	-0.006	81	11190	2.00	1.95	
41 Hexachlorobutadiene	225	5.787	5.787	0.000	90	7105	2.00	1.90	
42 Caprolactam	113	6.010	6.098	-0.088	89	3460	2.00	1.78	
49 2,4,6-Trichlorophenol	196	6.587	6.587	0.001	88	7828	2.00	1.89	
$ 51 2-Fluorobiphenyl	172	6.669	6.675	-0.006	97	39940	2.00	2.46	
60 2,6-Dinitrotoluene	165	7.104	7.116	-0.012	8	5227	2.00	1.81	
* 65 Acenaphthene-d10	164	7.304	7.310	-0.006	99	420134	40.0	40.0	
68 2,4-Dinitrophenol	184	7.357	7.369	-0.012	1	2231	4.00	5.10	a
70 2,4-Dinitrotoluene	165	7.481	7.492	-0.011	82	6517	2.00	1.72	
77 4,6-Dinitro-2-methylphenol	198	7.863	7.875	-0.012	1	5122	4.00	2.81	
$ 80 2,4,6-Tribromophenol	330	8.045	8.051	-0.006	88	7765	2.00	2.34	
83 Hexachlorobenzene	284	8.339	8.345	-0.006	91	10605	2.00	1.95	
84 Atrazine	200	8.439	8.451	-0.012	84	7564	2.00	1.97	
85 Pentachlorophenol	266	8.522	8.528	-0.006	89	10139	4.00	3.49	
* 88 Phenanthrene-d10	188	8.704	8.710	-0.006	99	743416	40.0	40.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Di-n-butyl phthalate	149	9.275	9.280	-0.005	99	47262	2.00	2.00	
$ 96 Terphenyl-d14	244	10.222	10.227	-0.005	98	47973	2.00	2.43	
100 3,3'-Dichlorobenzidine	252	11.298	11.310	-0.012	99	15932	2.00	1.91	
101 Benzo[a]anthracene	228	11.322	11.327	-0.005	54	43153	2.00	2.01	
* 102 Chrysene-d12	240	11.333	11.345	-0.012	99	691966	40.0	40.0	
106 Benzo[b]fluoranthene	252	12.692	12.710	-0.018	95	44987	2.00	1.93	
107 Benzo[k]fluoranthene	252	12.727	12.751	-0.024	97	47669	2.00	2.03	
108 Benzo[a]pyrene	252	13.139	13.157	-0.018	95	43681	2.00	1.95	
* 109 Perylene-d12	264	13.233	13.239	-0.006	98	831936	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	14.786	14.815	-0.029	99	44501	2.00	1.94	
111 Dibenz(a,h)anthracene	278	14.839	14.862	-0.023	96	48709	2.00	2.01	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

SV_BNA_L3_00004 Amount Added: 1.00 Units: mL

Report Date: 03-Jun-2022 10:03:06 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS5\20220602-146048.b\X41880.d

Injection Date: 03-Jun-2022 08:42:30 Instrument ID: CBNAMS5

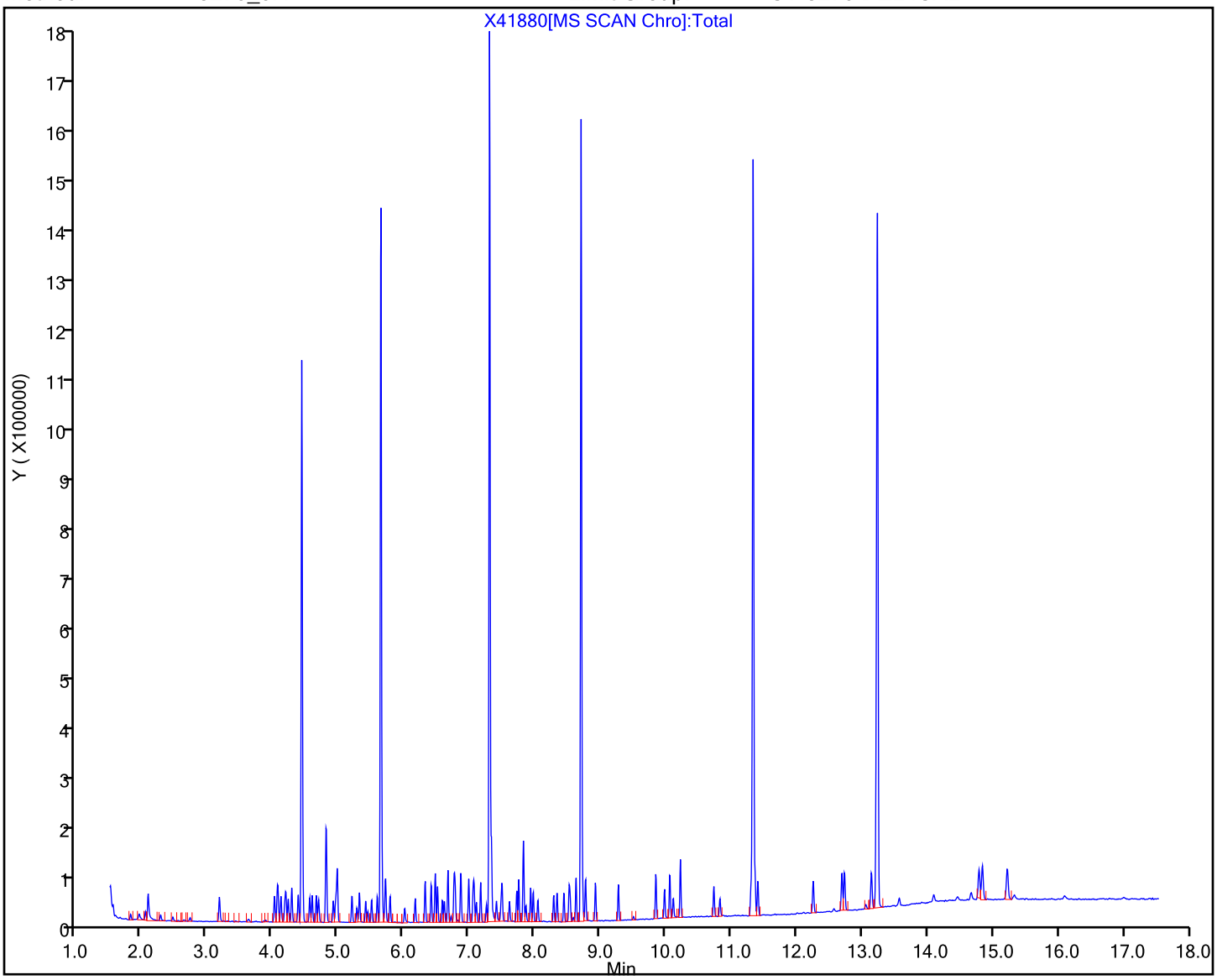
Lims ID: STD2

Client ID:

Operator ID: ALS Bottle#: 8 Worklist Smp#: 8

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8270_5R Limit Group: SV 8270 DEL ICAL



Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS5\20220602-146048.b\X41881.d
Lims ID: STD1
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 03-Jun-2022 09:06:30 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0146048-009
Operator ID: Instrument ID: CBNAMS5
Sublist: chrom-8270_5R*sub40

Method: \\chromfs\Edison\ChromData\CBNAMS5\20220602-146048.b\8270_5R.m
Limit Group: SV 8270 DEL ICAL
Last Update: 03-Jun-2022 10:03:08 Calib Date: 03-Jun-2022 09:29:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS5\20220602-146048.b\X41882.d

Column 1 : Det: MS SCAN
Process Host: CTX1640

First Level Reviewer: johnstonm1 Date: 03-Jun-2022 09:25:19

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.822	1.816	0.006	93	2897	1.00	1.01	
	3 Pyridine	79	2.093	2.075	0.018	89	15624	2.00	2.07	
$	4 2-Fluorophenol	112	3.175	3.175	0.000	93	9262	1.00	1.13	
	5 Benzaldehyde	77	4.016	4.016	0.000	92	7400	1.00	1.07	
$	6 Phenol-d5	99	4.057	4.069	-0.012	86	11101	1.00	1.10	
	9 Bis(2-chloroethyl)ether	93	4.175	4.181	-0.006	88	8049	1.00	1.07	
*	14 1,4-Dichlorobenzene-d4	152	4.434	4.434	0.000	98	223466	40.0	40.0	
	22 N-Nitrosodi-n-propylamine	70	4.810	4.822	-0.012	71	6105	1.00	1.05	
	25 Hexachloroethane	117	4.916	4.916	0.000	92	3506	1.00	1.05	
$	26 Nitrobenzene-d5	82	4.957	4.963	-0.006	91	9603	1.00	1.07	
	28 Nitrobenzene	123	4.975	4.981	-0.006	85	3921	1.00	1.08	
	27 n,n'-Dimethylaniline	120	4.981	4.987	-0.006	84	13310	1.00	1.11	
	37 1,2,4-Trichlorobenzene	180	5.587	5.592	-0.005	91	6415	1.00	0.9841	
*	38 Naphthalene-d8	136	5.645	5.645	0.000	100	851191	40.0	40.0	
	41 Hexachlorobutadiene	225	5.787	5.787	0.000	89	4121	1.00	1.07	
	42 Caprolactam	113	6.010	6.098	-0.088	84	1873	1.00	0.9325	Ma
$	51 2-Fluorobiphenyl	172	6.669	6.675	-0.006	96	18892	1.00	1.08	
	60 2,6-Dinitrotoluene	165	7.104	7.116	-0.012	18	2771	1.00	0.8935	
*	65 Acenaphthene-d10	164	7.304	7.310	-0.006	99	450494	40.0	40.0	
	70 2,4-Dinitrotoluene	165	7.481	7.492	-0.011	77	3703	1.00	0.9141	a
$	80 2,4,6-Tribromophenol	330	8.045	8.051	-0.006	82	3477	1.00	0.9753	
	83 Hexachlorobenzene	284	8.339	8.345	-0.006	85	6194	1.00	1.07	
	84 Atrazine	200	8.445	8.451	-0.006	79	3920	1.00	0.9550	
*	88 Phenanthrene-d10	188	8.704	8.710	-0.006	99	793668	40.0	40.0	
$	96 Terphenyl-d14	244	10.222	10.227	-0.005	96	23437	1.00	1.12	
	101 Benzo[a]anthracene	228	11.321	11.327	-0.006	50	23685	1.00	1.04	
*	102 Chrysene-d12	240	11.333	11.345	-0.012	99	729624	40.0	40.0	
	106 Benzo[b]fluoranthene	252	12.692	12.710	-0.018	96	23650	1.00	0.9882	
	107 Benzo[k]fluoranthene	252	12.727	12.751	-0.024	98	23346	1.00	0.9683	
	108 Benzo[a]pyrene	252	13.139	13.157	-0.018	94	22267	1.00	0.9709	
*	109 Perylene-d12	264	13.233	13.239	-0.006	98	852743	40.0	40.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
110 Indeno[1,2,3-cd]pyrene	276	14.786	14.815	-0.029	98	22119	1.00	0.9418	
111 Dibenz(a,h)anthracene	278	14.839	14.862	-0.023	95	24352	1.00	0.9789	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

SV_BNA_L2_00004 Amount Added: 1.00 Units: mL

Report Date: 03-Jun-2022 10:03:08 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS5\20220602-146048.b\X41881.d

Injection Date: 03-Jun-2022 09:06:30 Instrument ID: CBNAMS5

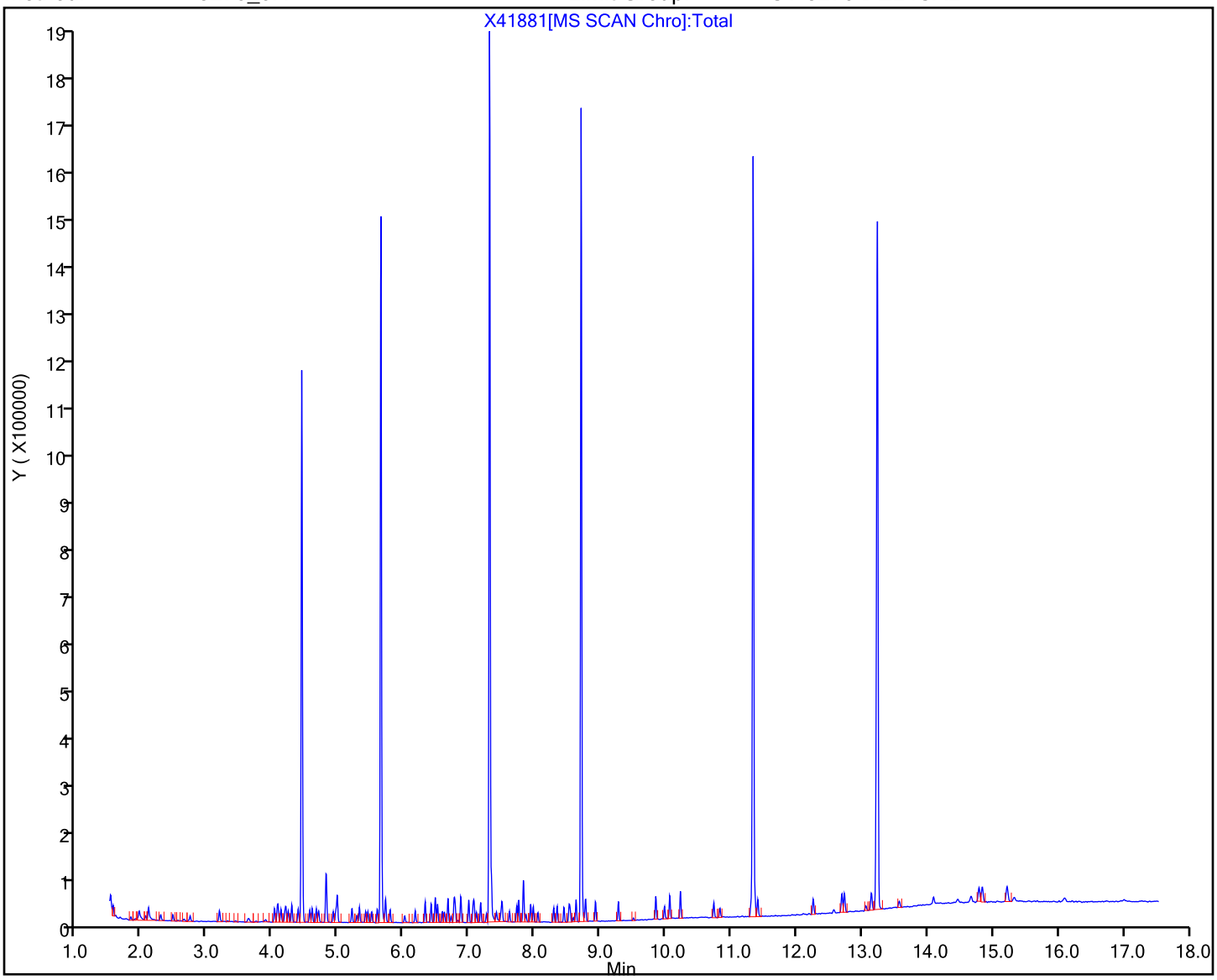
Lims ID: STD1

Client ID:

Operator ID: ALS Bottle#: 9 Worklist Smp#: 9

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8270_5R Limit Group: SV 8270 DEL ICAL



Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS5\20220602-146048.b\X41882.d
Lims ID: STD05
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 03-Jun-2022 09:29:30 ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0146048-010
Operator ID: Instrument ID: CBNAMS5
Sublist: chrom-8270_5R*sub40

Method: \\chromfs\Edison\ChromData\CBNAMS5\20220602-146048.b\8270_5R.m
Limit Group: SV 8270 DEL ICAL
Last Update: 03-Jun-2022 10:03:10 Calib Date: 03-Jun-2022 09:29:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS5\20220602-146048.b\X41882.d

Column 1 : Det: MS SCAN
Process Host: CTX1640

First Level Reviewer: johnstonm1 Date: 03-Jun-2022 09:49:34

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.816	1.816	0.000	64	1301	0.5000	0.5289	
$ 6 Phenol-d5	99	4.057	4.069	-0.012	94	4449	0.5000	0.5160	
9 Bis(2-chloroethyl)ether	93	4.175	4.181	-0.006	78	3256	0.5000	0.5055	
* 14 1,4-Dichlorobenzene-d4	152	4.434	4.434	0.000	98	191302	40.0	40.0	
22 N-Nitrosodi-n-propylamine	70	4.810	4.822	-0.012	67	2641	0.5000	0.5301	
25 Hexachloroethane	117	4.916	4.916	0.000	85	1495	0.5000	0.5254	
$ 26 Nitrobenzene-d5	82	4.957	4.963	-0.006	85	4276	0.5000	0.5562	
28 Nitrobenzene	123	4.975	4.981	-0.006	86	1684	0.5000	0.5414	
27 n,n'-Dimethylaniline	120	4.981	4.987	-0.006	78	5291	0.5000	0.5155	
37 1,2,4-Trichlorobenzene	180	5.586	5.592	-0.006	88	2821	0.5000	0.5076	
* 38 Naphthalene-d8	136	5.645	5.645	0.000	100	725734	40.0	40.0	
$ 51 2-Fluorobiphenyl	172	6.669	6.675	-0.006	93	8073	0.5000	0.5483	
* 65 Acenaphthene-d10	164	7.304	7.310	-0.006	99	380447	40.0	40.0	
83 Hexachlorobenzene	284	8.339	8.345	-0.006	74	2410	0.5000	0.4873	
* 88 Phenanthrene-d10	188	8.704	8.710	-0.006	99	675672	40.0	40.0	
$ 96 Terphenyl-d14	244	10.221	10.227	-0.006	91	9292	0.5000	0.5191	
101 Benzo[a]anthracene	228	11.321	11.327	-0.006	48	11181	0.5000	0.5748	
* 102 Chrysene-d12	240	11.333	11.345	-0.012	99	626216	40.0	40.0	
106 Benzo[b]fluoranthene	252	12.692	12.710	-0.018	92	9597	0.5000	0.4667	
107 Benzo[k]fluoranthene	252	12.727	12.751	-0.024	95	10037	0.5000	0.4845	
108 Benzo[a]pyrene	252	13.139	13.157	-0.018	93	10052	0.5000	0.5101	
* 109 Perylene-d12	264	13.233	13.239	-0.006	98	732678	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	14.786	14.815	-0.029	98	8884	0.5000	0.4403	
111 Dibenz(a,h)anthracene	278	14.833	14.862	-0.029	47	9668	0.5000	0.4523	

QC Flag Legend
Processing Flags

Reagents:

SV_BNA_L1_00004 Amount Added: 1.00 Units: mL

Report Date: 03-Jun-2022 10:03:11 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS5\20220602-146048.b\X41882.d

Injection Date: 03-Jun-2022 09:29:30 Instrument ID: CBNAMS5

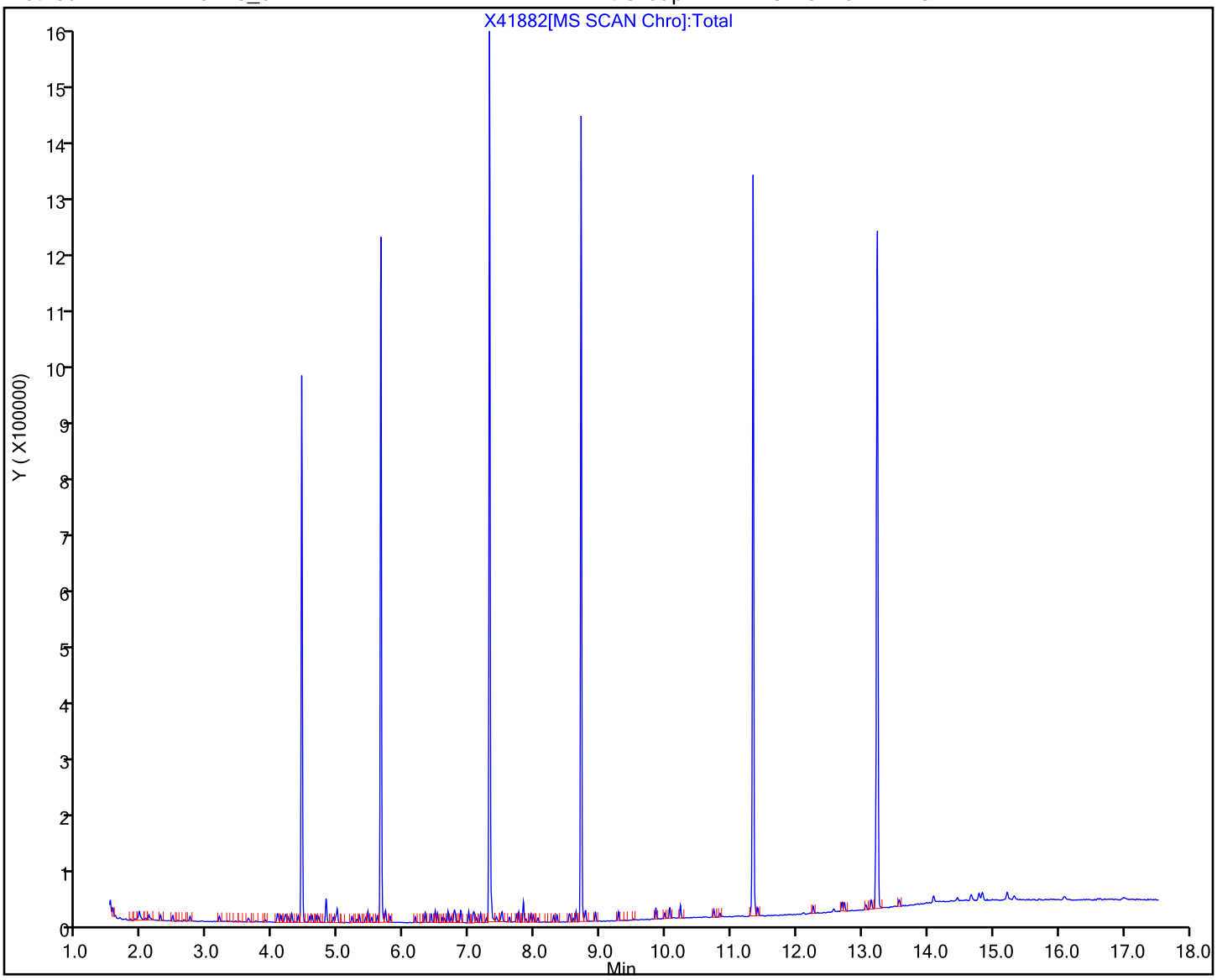
Lims ID: STD05

Client ID:

Operator ID: ALS Bottle#: 10 Worklist Smp#: 10

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8270_5R Limit Group: SV 8270 DEL ICAL



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-260852-1

SDG No.:

Lab Sample ID: ICV 460-836322/11 Calibration Date: 03/30/2022 11:09

Instrument ID: CBNAMS15 Calib Start Date: 03/30/2022 08:33

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 03/30/2022 10:52

Lab File ID: f460654.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5254	0.5211	0.0500	49600	50000	-0.8	20.0
N-Nitrosodimethylamine	Ave	0.7816	0.7432	0.0500	47500	50000	-4.9	20.0
Pyridine	Ave	1.336	1.219	0.0500	91300	100000	-8.7	20.0
Benzaldehyde	Ave	1.140	0.5669	0.0500	9940	20000	-50.3*	20.0
Phenol	Ave	1.693	1.612	0.0500	47600	50000	-4.8	20.0
Aniline	Ave	2.020	1.955	0.0500	48400	50000	-3.2	20.0
Bis(2-chloroethyl)ether	Ave	1.357	1.311	0.0500	48300	50000	-3.3	20.0
2-Chlorophenol	Ave	1.398	1.335	0.0500	47700	50000	-4.5	20.0
n-Decane	Ave	1.642	1.531	0.0500	46600	50000	-6.8	20.0
1,3-Dichlorobenzene	Ave	1.514	1.464	0.0500	48300	50000	-3.3	20.0
1,4-Dichlorobenzene	Ave	1.546	1.481	0.0500	47900	50000	-4.2	20.0
Benzyl alcohol	Ave	0.9236	0.9018	0.0500	48800	50000	-2.4	20.0
1,2-Dichlorobenzene	Ave	1.454	1.406	0.0500	48400	50000	-3.3	20.0
2-Methylphenol	Ave	1.238	1.205	0.0500	48700	50000	-2.7	20.0
2,2'-oxybis[1-chloropropane]	Ave	2.015	1.938	0.0500	48100	50000	-3.8	20.0
3 & 4 Methylphenol	Ave	1.429	1.392	0.0500	48700	50000	-2.6	20.0
4-Methylphenol	Ave	1.429	1.392	0.0500	48700	50000	-2.6	20.0
Acetophenone	Ave	2.016	1.950	0.0500	48400	50000	-3.2	20.0
N-Nitrosodi-n-propylamine	Ave	0.8906	0.8682	0.0500	48700	50000	-2.5	20.0
Hexachloroethane	Ave	0.6057	0.5913	0.0500	48800	50000	-2.4	20.0
Nitrobenzene	Ave	0.6662	0.6706	0.0500	50300	50000	0.7	20.0
n,n'-Dimethylaniline	Ave	2.163	2.175	0.0500	50300	50000	0.5	20.0
Isophorone	Ave	0.6886	0.6709	0.0500	48700	50000	-2.6	20.0
2-Nitrophenol	Ave	0.1858	0.1816	0.0500	48900	50000	-2.3	20.0
2,4-Dimethylphenol	Ave	0.3094	0.2980	0.0500	48200	50000	-3.7	20.0
Bis(2-chloroethoxy)methane	Ave	0.4266	0.4071	0.0500	47700	50000	-4.6	20.0
Benzoic acid	Ave	0.2053	0.2149	0.0500	52300	50000	4.7	20.0
2,4-Dichlorophenol	Ave	0.2893	0.2858	0.0500	49400	50000	-1.2	20.0
1,2,4-Trichlorobenzene	Ave	0.3052	0.3095	0.0500	50700	50000	1.4	20.0
Naphthalene	Ave	1.031	0.9914	0.0500	48100	50000	-3.9	20.0
4-Chloroaniline	Ave	0.4448	0.4282	0.0500	48100	50000	-3.7	20.0
Hexachlorobutadiene	Ave	0.1878	0.1799	0.0500	47900	50000	-4.2	20.0
Caprolactam	Ave	0.1147	0.1065	0.0500	18600	20000	-7.1	20.0
4-Chloro-3-methylphenol	Ave	0.2988	0.2858	0.0500	47800	50000	-4.4	20.0
2-Methylnaphthalene	Ave	0.7087	0.6765	0.0500	47700	50000	-4.5	20.0
1-Methylnaphthalene	Ave	0.6539	0.6288	0.0500	48100	50000	-3.8	20.0
Hexachlorocyclopentadiene	Ave	0.3499	0.3571	0.0500	51000	50000	2.1	20.0
2-tertbutyl-4-methylphenol	Ave	0.4423	0.4389	0.0500	49600	50000	-0.8	20.0
2,4,6-Trichlorophenol	Ave	0.3698	0.3849	0.0500	52000	50000	4.1	20.0
2,4,5-Trichlorophenol	Ave	0.4102	0.4150	0.0500	50600	50000	1.2	20.0
1,1'-Biphenyl	Ave	1.461	1.473	0.0500	50400	50000	0.9	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison | Job No.: 460-260852-1

SDG No.:

Lab Sample ID: ICV 460-836322/11 | Calibration Date: 03/30/2022 11:09

Instrument ID: CBNAMS15 | Calib Start Date: 03/30/2022 08:33

GC Column: Rtxi-5Sil MS ID: 0.25(mm) | Calib End Date: 03/30/2022 10:52

Lab File ID: f460654.D | Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-Chloronaphthalene	Ave	1.128	1.155	0.0500	51200	50000	2.4	20.0
Phenyl ether	Ave	0.8047	0.8133	0.0500	50500	50000	1.1	20.0
2-Nitroaniline	Ave	0.4687	0.4733	0.0500	50500	50000	1.0	20.0
1,3-Dimethylnaphthalene	Ave	0.9354	0.9925	0.0500	53100	50000	6.1	20.0
Dimethyl phthalate	Ave	1.302	1.334	0.0500	51200	50000	2.5	20.0
Coumarin	Ave	0.2642	0.2655	0.0500	50300	50000	0.5	20.0
2,6-Dinitrotoluene	Ave	0.2764	0.2895	0.0500	52400	50000	4.8	20.0
Acenaphthylene	Ave	1.803	1.742	0.0500	48300	50000	-3.4	20.0
3-Nitroaniline	Ave	0.3337	0.3396	0.0500	50900	50000	1.8	20.0
Acenaphthene	Ave	1.041	1.068	0.0500	51300	50000	2.6	20.0
3,5-di-tert-butyl-4-hydroxytol	Ave	0.9929	1.034	0.0500	52100	50000	4.1	20.0
2,4-Dinitrophenol	Lin1		0.1577	0.0500	91600	100000	-8.4	20.0
4-Nitrophenol	Ave	0.2712	0.2794	0.0500	103000	100000	3.0	20.0
2,4-Dinitrotoluene	Ave	0.3718	0.4119	0.0500	55400	50000	10.8	20.0
Dibenzofuran	Ave	1.592	1.629	0.0500	51200	50000	2.3	20.0
Diethyl phthalate	Ave	1.317	1.325	0.0500	50300	50000	0.6	20.0
Fluorene	Ave	1.278	1.289	0.0500	50400	50000	0.8	20.0
4-Chlorophenyl phenyl ether	Ave	0.6168	0.6240	0.0500	50600	50000	1.2	20.0
4-Nitroaniline	Ave	0.3278	0.3290	0.0500	50200	50000	0.4	20.0
4,6-Dinitro-2-methylphenol	Lin2		0.1154	0.0500	97400	100000	-2.6	20.0
N-Nitrosodiphenylamine	Ave	0.5251	0.5289	0.0500	50400	50000	0.7	20.0
1,2-Diphenylhydrazine	Ave	0.7642	0.7756	0.0500	50700	50000	1.5	20.0
4-Bromophenyl phenyl ether	Ave	0.2110	0.2122	0.0500	50300	50000	0.5	20.0
Hexachlorobenzene	Ave	0.2581	0.2613	0.0500	50600	50000	1.2	20.0
Atrazine	Ave	0.2004	0.2091	0.0500	20900	20000	4.3	20.0
Pentachlorophenol	Ave	0.1573	0.1631	0.0500	104000	100000	3.7	20.0
Pentachloronitrobenzene	Ave	0.1015	0.1054	0.0500	51900	50000	3.8	20.0
n-Octadecane	Ave	0.5963	0.6091	0.0500	51100	50000	2.1	20.0
Phenanthrene	Ave	1.043	1.061	0.0500	50800	50000	1.7	20.0
Anthracene	Ave	1.064	1.086	0.0500	51000	50000	2.0	20.0
Carbazole	Ave	0.9821	0.996	0.0500	50700	50000	1.4	20.0
Di-n-butyl phthalate	Ave	1.257	1.282	0.0500	51000	50000	2.0	20.0
Fluoranthene	Ave	1.122	1.163	0.0500	51800	50000	3.6	20.0
Benzidine	Ave	0.6010	0.6035	0.0500	50200	50000	0.4	20.0
Pyrene	Ave	1.257	1.282	0.0500	51000	50000	2.0	20.0
Butyl benzyl phthalate	Ave	0.5854	0.6035	0.0500	51600	50000	3.1	20.0
3,3'-Dichlorobenzidine	Ave	0.4628	0.5012	0.0500	54200	50000	8.3	20.0
Benzo[a]anthracene	Ave	1.212	1.203	0.0500	49600	50000	-0.7	20.0
Chrysene	Ave	1.209	1.226	0.0500	50700	50000	1.5	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.8692	0.8889	0.0500	51100	50000	2.3	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-260852-1

SDG No.:

Lab Sample ID: ICV 460-836322/11 Calibration Date: 03/30/2022 11:09

Instrument ID: CBNAMS15 Calib Start Date: 03/30/2022 08:33

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 03/30/2022 10:52

Lab File ID: f460654.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Di-n-octyl phthalate	Ave	1.412	1.428	0.0500	50600	50000	1.2	20.0
Benzo[b]fluoranthene	Ave	1.015	1.147	0.0500	56500	50000	13.0	20.0
Benzo[k]fluoranthene	Ave	1.205	1.239	0.0500	51400	50000	2.8	20.0
Benzo[a]pyrene	Ave	1.027	1.136	0.0500	55300	50000	10.6	20.0
Indeno[1,2,3-cd]pyrene	Ave	0.8267	1.030	0.0500	62300	50000	24.6*	20.0
Dibenz(a,h)anthracene	Ave	0.9615	1.096	0.0500	57000	50000	14.0	20.0
Benzo[g,h,i]perylene	Ave	1.114	1.150	0.0500	51600	50000	3.3	20.0

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS15\20220330-143392.b\f460654.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 30-Mar-2022 11:09:21 ALS Bottle#: 0 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0143392-011
Operator ID: Instrument ID: CBNAMS15
Sublist:

Method: \\chromfs\Edison\ChromData\CBNAMS15\20220330-143392.b\8270_15R_9.m
Limit Group: SV 8270 DEL ICAL
Last Update: 30-Mar-2022 11:28:22 Calib Date: 30-Mar-2022 10:52:03
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS15\20220330-143392.b\f460653.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1603

First Level Reviewer: johnstonm1 Date: 30-Mar-2022 11:28:36

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.645	1.645	-0.004	96	100164	50.0	49.6	
	2 N-Nitrosodimethylamine	74	1.763	1.763	-0.003	81	142843	50.0	47.5	
	3 Pyridine	79	1.781	1.783	-0.006	84	468707	100.0	91.3	
	7 Benzaldehyde	77	2.991	2.995	-0.010	91	43581	20.0	9.94	
	9 Phenol	94	3.035	3.039	-0.010	91	309812	50.0	47.6	
	10 Aniline	93	3.065	3.068	-0.009	21	375713	50.0	48.4	
	11 Bis(2-chloroethyl)ether	93	3.115	3.115	-0.007	92	251998	50.0	48.3	
	12 2-Chlorophenol	128	3.150	3.150	-0.007	65	256626	50.0	47.7	
	13 n-Decane	43	3.188	3.192	-0.010	90	294209	50.0	46.6	
	14 1,3-Dichlorobenzene	146	3.262	3.265	-0.010	94	281329	50.0	48.3	
*	15 1,4-Dichlorobenzene-d4	152	3.306	3.313	-0.007	97	153759	40.0	40.0	
	16 1,4-Dichlorobenzene	146	3.318	3.318	-0.007	93	284712	50.0	47.9	
	17 Benzyl alcohol	108	3.406	3.406	-0.007	91	173329	50.0	48.8	
	18 1,2-Dichlorobenzene	146	3.430	3.430	-0.007	90	270230	50.0	48.4	
	19 2-Methylphenol	108	3.486	3.488	-0.010	85	231566	50.0	48.7	
	20 2,2'-oxybis[1-chloropropane]	45	3.512	3.515	-0.010	92	372486	50.0	48.1	
	130 N-Methylaniline	106	3.601	3.608	-0.007	78	396460	NC	NC	a
	21 Acetophenone	105	3.610	3.609	-0.007	86	374866	50.0	48.4	
	22 4-Methylphenol	108	3.607	3.609	-0.010	73	267456	50.0	48.7	
	23 3 & 4 Methylphenol	108	3.607	3.609	-0.010	90	267456	50.0	48.7	
	24 N-Nitrosodi-n-propylamine	70	3.612	3.615	-0.010	72	166862	50.0	48.7	
	25 Hexachloroethane	117	3.683	3.682	-0.007	94	113646	50.0	48.8	
	27 Nitrobenzene	123	3.736	3.737	-0.007	85	128897	50.0	50.3	
	28 n,n'-Dimethylaniline	120	3.739	3.738	-0.007	89	417943	50.0	50.3	
	29 Isophorone	82	3.922	3.922	-0.007	99	506384	50.0	48.7	
	30 2-Nitrophenol	139	3.975	3.975	-0.007	86	137086	50.0	48.9	
	31 2,4-Dimethylphenol	122	4.016	4.017	-0.007	90	224919	50.0	48.2	
	32 Bis(2-chloroethoxy)methane	93	4.096	4.096	-0.007	96	307266	50.0	47.7	
	33 Benzoic acid	122	4.114	4.114	-0.007	88	162185	50.0	52.3	
	34 2,4-Dichlorophenol	162	4.158	4.158	-0.007	93	215707	50.0	49.4	
	35 1,2,4-Trichlorobenzene	180	4.225	4.226	-0.008	94	233581	50.0	50.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 36 Naphthalene-d8	136	4.267	4.274	-0.007	100	603824	40.0	40.0	
37 Naphthalene	128	4.284	4.284	-0.007	98	748266	50.0	48.1	
38 4-Chloroaniline	127	4.332	4.331	-0.007	90	323196	50.0	48.1	
39 Hexachlorobutadiene	225	4.385	4.384	-0.007	95	135816	50.0	47.9	
40 Caprolactam	113	4.605	4.605	-0.008	88	32164	20.0	18.6	M
41 4-Chloro-3-methylphenol	107	4.711	4.708	-0.005	93	215688	50.0	47.8	
42 2-Methylnaphthalene	142	4.818	4.814	-0.004	82	510624	50.0	47.7	
43 1-Methylnaphthalene	142	4.891	4.888	-0.005	91	474591	50.0	48.1	
44 Hexachlorocyclopentadiene	237	4.938	4.942	-0.008	83	148999	50.0	51.0	
45 1,2,4,5-Tetrachlorobenzene	216	4.944	4.945	-0.005	96	236969	NC	NC	
46 2-tertbutyl-4-methylphenol	149	4.986	4.985	-0.007	89	331282	50.0	49.6	
47 2,4,6-Trichlorophenol	196	5.033	5.036	-0.007	89	160626	50.0	52.0	
48 2,4,5-Trichlorophenol	196	5.059	5.060	-0.005	94	173167	50.0	50.6	
51 1,1'-Biphenyl	154	5.177	5.181	-0.008	96	614717	50.0	50.4	
52 2-Chloronaphthalene	162	5.186	5.189	-0.008	96	481825	50.0	51.2	
53 Phenyl ether	170	5.263	5.263	-0.004	89	339388	50.0	50.5	
54 2-Nitroaniline	65	5.271	5.272	-0.005	94	197490	50.0	50.5	
55 1,3-Dimethylnaphthalene	156	5.357	5.357	-0.005	91	414167	50.0	53.1	
56 Dimethyl phthalate	163	5.425	5.428	-0.007	96	556521	50.0	51.2	
57 Coumarin	146	5.428	5.423	-0.004	72	200398	50.0	50.3	
58 2,6-Dinitrotoluene	165	5.463	5.466	-0.008	71	120824	50.0	52.4	
59 Acenaphthylene	152	5.501	5.502	-0.005	97	727059	50.0	48.3	
60 3-Nitroaniline	138	5.584	5.587	-0.008	92	141720	50.0	50.9	
* 61 Acenaphthene-d10	164	5.608	5.612	-0.004	92	333827	40.0	40.0	
62 Acenaphthene	154	5.634	5.634	-0.005	93	445706	50.0	51.3	
63 3,5-di-tert-butyl-4-hydroxytol	205	5.643	5.646	-0.008	97	431370	50.0	52.1	
64 2,4-Dinitrophenol	184	5.664	5.667	-0.007	65	131602	100.0	91.6	
65 4-Nitrophenol	65	5.720	5.723	-0.007	93	233179	100.0	103.0	
67 2,4-Dinitrotoluene	165	5.764	5.764	-0.005	66	171900	50.0	55.4	
66 Dibenzofuran	168	5.767	5.767	-0.005	91	679786	50.0	51.2	
68 2,3,4,6-Tetrachlorophenol	232	5.859	5.858	-0.005	93	141307	NC	NC	
69 Diethyl phthalate	149	5.965	5.967	-0.007	98	552871	50.0	50.3	
70 Fluorene	166	6.024	6.023	-0.004	83	537808	50.0	50.4	
71 4-Chlorophenyl phenyl ether	204	6.033	6.032	-0.005	86	260397	50.0	50.6	
72 4-Nitroaniline	138	6.053	6.053	-0.005	49	137295	50.0	50.2	
73 4,6-Dinitro-2-methylphenol	198	6.071	6.071	-0.005	76	172673	100.0	97.4	
74 N-Nitrosodiphenylamine	169	6.124	6.124	-0.005	24	395538	50.0	50.4	
75 1,2-Diphenylhydrazine	77	6.151	6.153	-0.007	67	580050	50.0	50.7	
77 4-Bromophenyl phenyl ether	248	6.398	6.398	-0.005	86	158677	50.0	50.3	
78 Hexachlorobenzene	284	6.431	6.431	-0.005	88	195412	50.0	50.6	
79 Atrazine	200	6.534	6.537	-0.008	88	62539	20.0	20.9	
80 Pentachlorophenol	266	6.584	6.584	-0.005	89	243931	100.0	103.7	
81 Pentachloronitrobenzene	237	6.593	6.593	-0.005	85	78790	50.0	51.9	
82 n-Octadecane	57	6.681	6.681	-0.005	91	455527	50.0	51.1	
* 83 Phenanthrene-d10	188	6.726	6.731	-0.005	99	598302	40.0	40.0	
84 Phenanthrene	178	6.743	6.743	-0.005	98	793451	50.0	50.8	
85 Anthracene	178	6.782	6.782	-0.005	97	811840	50.0	51.0	
87 Carbazole	167	6.908	6.908	-0.006	83	745043	50.0	50.7	
88 Di-n-butyl phthalate	149	7.192	7.194	-0.008	100	958842	50.0	51.0	
89 Fluoranthene	202	7.634	7.633	-0.005	98	869750	50.0	51.8	
90 Benzidine	184	7.746	7.746	-0.008	99	451361	50.0	50.2	
91 Pyrene	202	7.802	7.799	-0.005	97	892069	50.0	51.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Bisphenol-A	213	7.855	7.855	-0.008	98	416692	NC	NC	
95 Butyl benzyl phthalate	149	8.324	8.324	-0.009	98	419959	50.0	51.6	
97 Carbamazepine	193	8.398	8.398	-0.009	90	393619	NC	NC	
99 3,3'-Dichlorobenzidine	252	8.749	8.749	-0.009	92	348752	50.0	54.2	
100 Benzo[a]anthracene	228	8.758	8.758	-0.009	99	836939	50.0	49.6	
* 98 Chrysene-d12	240	8.767	8.776	-0.009	99	556655	40.0	40.0	
101 Chrysene	228	8.790	8.790	-0.009	94	853265	50.0	50.7	
102 Bis(2-ethylhexyl) phthalate	149	8.826	8.829	-0.012	80	618494	50.0	51.1	
103 Di-n-octyl phthalate	149	9.457	9.458	-0.015	97	1034538	50.0	50.6	
104 Benzo[b]fluoranthene	252	9.782	9.780	-0.012	98	830423	50.0	56.5	
105 Benzo[k]fluoranthene	252	9.811	9.812	-0.015	99	897270	50.0	51.4	
106 Benzo[a]pyrene	252	10.113	10.112	-0.015	96	822523	50.0	55.3	
* 107 Perylene-d12	264	10.172	10.187	-0.015	97	579379	40.0	40.0	
108 Indeno[1,2,3-cd]pyrene	276	11.290	11.290	-0.020	95	746022	50.0	62.3	M
109 Dibenz(a,h)anthracene	278	11.323	11.325	-0.019	43	793762	50.0	57.0	
110 Benzo[g,h,i]perylene	276	11.574	11.576	-0.020	95	832875	50.0	51.6	
131 2,6-Dichlorophenol	162	4.334	4.342	-0.008	84	214373	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

NC - Not Calibrated

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

SV_BNA_ICV_00006 Amount Added: 1.00 Units: mL

Report Date: 30-Mar-2022 11:28:37 Chrom Revision: 2.3 18-Mar-2022 09:07:22

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS15\20220330-143392.b\f460654.D

Injection Date: 30-Mar-2022 11:09:21 Instrument ID: CBNAMS15 Operator ID:

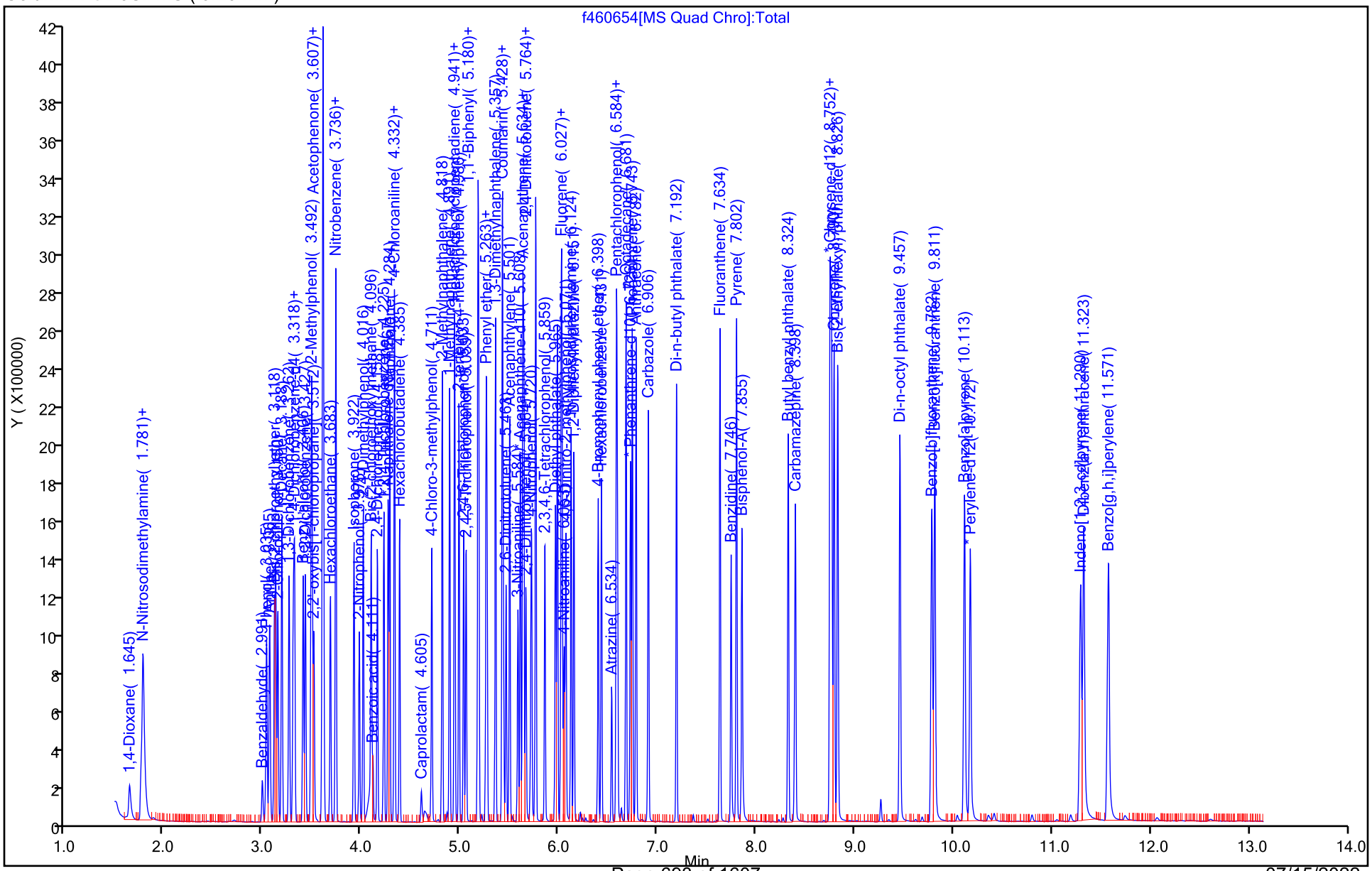
Lims ID: ICV Worklist Smp#: 11

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 8270_15R_9 Limit Group: SV 8270 DEL ICAL

Column: Rtxi-5Sil MS (0.25 mm)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison | Job No.: 460-260852-1

SDG No.:

Lab Sample ID: CCVIS 460-852915/2 | Calibration Date: 06/30/2022 10:57

Instrument ID: CBNAMS15 | Calib Start Date: 03/30/2022 08:33

GC Column: Rtxi-5Sil MS ID: 0.25(mm) | Calib End Date: 03/30/2022 10:52

Lab File ID: f463605.D | Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5254	0.5658	0.0500	53800	50000	7.7	25.0
N-Nitrosodimethylamine	Ave	0.7816	0.8545	0.0500	54700	50000	9.3	25.0
Pyridine	Ave	1.336	1.318	0.0500	98700	100000	-1.3	25.0
Benzaldehyde	Ave	1.140	0.7712	0.0500	13500	20000	-32.4*	25.0
Phenol	Ave	1.693	1.865	0.0500	55100	50000	10.1	25.0
Aniline	Ave	2.020	2.127	0.0500	52600	50000	5.3	25.0
Bis(2-chloroethyl)ether	Ave	1.357	1.463	0.0500	53900	50000	7.9	25.0
2-Chlorophenol	Ave	1.398	1.444	0.0500	51600	50000	3.2	25.0
n-Decane	Ave	1.642	1.649	0.0500	50200	50000	0.4	25.0
1,3-Dichlorobenzene	Ave	1.514	1.575	0.0500	52000	50000	4.0	25.0
1,4-Dichlorobenzene	Ave	1.546	1.607	0.0500	52000	50000	3.9	25.0
Benzyl alcohol	Ave	0.9236	0.9621	0.0500	52100	50000	4.2	25.0
1,2-Dichlorobenzene	Ave	1.454	1.518	0.0500	52200	50000	4.4	25.0
2-Methylphenol	Ave	1.238	1.336	0.0500	53900	50000	7.9	25.0
2,2'-oxybis[1-chloropropane]	Ave	2.015	1.976	0.0500	49000	50000	-1.9	25.0
Acetophenone	Ave	2.016	2.207	0.0500	54700	50000	9.5	25.0
N-Nitrosodi-n-propylamine	Ave	0.8906	1.038	0.0500	58300	50000	16.5	25.0
3 & 4 Methylphenol	Ave	1.429	1.538	0.0500	53800	50000	7.6	25.0
4-Methylphenol	Ave	1.429	1.538	0.0500	53800	50000	7.6	25.0
Hexachloroethane	Ave	0.6057	0.6465	0.0500	53400	50000	6.7	25.0
Nitrobenzene	Ave	0.6662	0.7207	0.0500	54100	50000	8.2	25.0
n,n'-Dimethylaniline	Ave	2.163	2.345	0.0500	54200	50000	8.4	25.0
Isophorone	Ave	0.6886	0.7665	0.0500	55700	50000	11.3	25.0
2-Nitrophenol	Ave	0.1858	0.1971	0.0500	53000	50000	6.1	25.0
2,4-Dimethylphenol	Ave	0.3094	0.3327	0.0500	53800	50000	7.5	25.0
Bis(2-chloroethoxy)methane	Ave	0.4266	0.4750	0.0500	55700	50000	11.3	25.0
Benzoic acid	Ave	0.2053	0.1964	0.0500	47800	50000	-4.3	25.0
2,4-Dichlorophenol	Ave	0.2893	0.3103	0.0500	53600	50000	7.3	25.0
1,2,4-Trichlorobenzene	Ave	0.3052	0.3378	0.0500	55300	50000	10.7	25.0
Naphthalene	Ave	1.031	1.101	0.0500	53400	50000	6.7	25.0
4-Chloroaniline	Ave	0.4448	0.4585	0.0500	51500	50000	3.1	25.0
Hexachlorobutadiene	Ave	0.1878	0.2051	0.0500	54600	50000	9.2	25.0
Caprolactam	Ave	0.1147	0.1062	0.0500	18500	20000	-7.4	25.0
4-Chloro-3-methylphenol	Ave	0.2988	0.3331	0.0500	55700	50000	11.5	25.0
2-Methylnaphthalene	Ave	0.7087	0.7183	0.0500	50700	50000	1.4	25.0
1-Methylnaphthalene	Ave	0.6539	0.6859	0.0500	52400	50000	4.9	25.0
Hexachlorocyclopentadiene	Ave	0.3499	0.3381	0.0500	48300	50000	-3.4	25.0
2-tertbutyl-4-methylphenol	Ave	0.4423	0.4707	0.0500	53200	50000	6.4	25.0
2,4,6-Trichlorophenol	Ave	0.3698	0.4197	0.0500	56700	50000	13.5	25.0
2,4,5-Trichlorophenol	Ave	0.4102	0.4596	0.0500	56000	50000	12.0	25.0
1,1'-Biphenyl	Ave	1.461	1.637	0.0500	56000	50000	12.1	25.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison | Job No.: 460-260852-1

SDG No.:

Lab Sample ID: CCVIS 460-852915/2 | Calibration Date: 06/30/2022 10:57

Instrument ID: CBNAMS15 | Calib Start Date: 03/30/2022 08:33

GC Column: Rtxi-5Sil MS ID: 0.25(mm) | Calib End Date: 03/30/2022 10:52

Lab File ID: f463605.D | Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-Chloronaphthalene	Ave	1.128	1.249	0.0500	55400	50000	10.8	25.0
Phenyl ether	Ave	0.8047	0.9153	0.0500	56900	50000	13.7	25.0
2-Nitroaniline	Ave	0.4687	0.5200	0.0500	55500	50000	10.9	25.0
1,3-Dimethylnaphthalene	Ave	0.9354	1.027	0.0500	54900	50000	9.8	25.0
Dimethyl phthalate	Ave	1.302	1.460	0.0500	56100	50000	12.2	25.0
Coumarin	Ave	0.2642	0.2703	0.0500	51200	50000	2.3	25.0
2,6-Dinitrotoluene	Ave	0.2764	0.3264	0.0500	59100	50000	18.1	25.0
Acenaphthylene	Ave	1.803	1.867	0.0500	51800	50000	3.6	25.0
3-Nitroaniline	Ave	0.3337	0.3543	0.0500	53100	50000	6.2	25.0
Acenaphthene	Ave	1.041	1.177	0.0500	56600	50000	13.1	25.0
3,5-di-tert-butyl-4-hydroxytol	Ave	0.9929	1.171	0.0500	59000	50000	17.9	25.0
2,4-Dinitrophenol	Lin1		0.1771	0.0500	102000	100000	2.4	25.0
4-Nitrophenol	Ave	0.2712	0.2571	0.0500	94800	100000	-5.2	25.0
Dibenzofuran	Ave	1.592	1.798	0.0500	56500	50000	12.9	25.0
2,4-Dinitrotoluene	Ave	0.3718	0.4506	0.0500	60600	50000	21.2	25.0
Diethyl phthalate	Ave	1.317	1.474	0.0500	56000	50000	11.9	25.0
Fluorene	Ave	1.278	1.464	0.0500	57300	50000	14.6	25.0
4-Chlorophenyl phenyl ether	Ave	0.6168	0.6965	0.0500	56500	50000	12.9	25.0
4-Nitroaniline	Ave	0.3278	0.3213	0.0500	49000	50000	-2.0	25.0
4,6-Dinitro-2-methylphenol	Lin2		0.1215	0.0500	102000	100000	2.4	25.0
N-Nitrosodiphenylamine	Ave	0.5251	0.5463	0.0500	52000	50000	4.0	25.0
1,2-Diphenylhydrazine	Ave	0.7642	0.8223	0.0500	53800	50000	7.6	25.0
4-Bromophenyl phenyl ether	Ave	0.2110	0.2315	0.0500	54800	50000	9.7	25.0
Hexachlorobenzene	Ave	0.2581	0.2823	0.0500	54700	50000	9.4	25.0
Atrazine	Ave	0.2004	0.2099	0.0500	20900	20000	4.7	25.0
Pentachlorophenol	Ave	0.1573	0.1662	0.0500	106000	100000	5.7	25.0
Pentachloronitrobenzene	Ave	0.1015	0.1109	0.0500	54600	50000	9.3	25.0
n-Octadecane	Ave	0.5963	0.6076	0.0500	50900	50000	1.9	25.0
Phenanthrene	Ave	1.043	1.104	0.0500	52900	50000	5.9	25.0
Anthracene	Ave	1.064	1.139	0.0500	53500	50000	7.0	25.0
Carbazole	Ave	0.9821	1.020	0.0500	52000	50000	3.9	25.0
Di-n-butyl phthalate	Ave	1.257	1.314	0.0500	52300	50000	4.5	25.0
Fluoranthene	Ave	1.122	1.238	0.0500	55100	50000	10.3	25.0
Benzidine	Ave	0.6010	0.5309	0.0500	44200	50000	-11.7	25.0
Pyrene	Ave	1.257	1.283	0.0500	51000	50000	2.1	25.0
Butyl benzyl phthalate	Ave	0.5854	0.5866	0.0500	50100	50000	0.2	25.0
2,3,7,8-TCDD	Ave	0.2042	0.2044	0.0500	500	500	0.0	25.0
3,3'-Dichlorobenzidine	Ave	0.4628	0.4839	0.0500	52300	50000	4.6	25.0
Benzo[a]anthracene	Ave	1.212	1.270	0.0500	52400	50000	4.8	25.0
Chrysene	Ave	1.209	1.228	0.0500	50800	50000	1.6	25.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-260852-1

SDG No.:

Lab Sample ID: CCVIS 460-852915/2 Calibration Date: 06/30/2022 10:57

Instrument ID: CBNAMS15 Calib Start Date: 03/30/2022 08:33

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 03/30/2022 10:52

Lab File ID: f463605.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Bis(2-ethylhexyl) phthalate	Ave	0.8692	0.8720	0.0500	50200	50000	0.3	25.0
Di-n-octyl phthalate	Ave	1.412	1.438	0.0500	50900	50000	1.9	25.0
Benzo[b]fluoranthene	Ave	1.015	1.158	0.0500	57100	50000	14.1	25.0
Benzo[k]fluoranthene	Ave	1.205	1.330	0.0500	55200	50000	10.4	25.0
Benzo[a]pyrene	Ave	1.027	1.046	0.0500	50900	50000	1.9	25.0
Indeno[1,2,3-cd]pyrene	Ave	0.8267	0.996	0.0500	60300	50000	20.5	25.0
Dibenz(a,h)anthracene	Ave	0.9615	1.167	0.0500	60700	50000	21.3	25.0
Benzo[g,h,i]perylene	Ave	1.114	1.174	0.0500	52700	50000	5.4	25.0
2-Fluorophenol (Surr)	Ave	1.422	1.437	0.0500	50500	50000	1.0	25.0
Phenol-d5 (Surr)	Ave	1.744	1.840	0.0500	52800	50000	5.5	25.0
Nitrobenzene-d5 (Surr)	Ave	0.4079	0.4527	0.0500	55500	50000	11.0	25.0
2-Fluorobiphenyl	Ave	1.423	1.576	0.0500	55400	50000	10.8	25.0
2,4,6-Tribromophenol (Surr)	Ave	0.2654	0.3292	0.0500	62000	50000	24.0	25.0
Terphenyl-d14 (Surr)	Ave	1.064	1.099	0.0500	51700	50000	3.3	25.0

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS15\20220630-147278.b\f463605.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 30-Jun-2022 10:57:11 ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0147278-002
Operator ID: Instrument ID: CBNAMS15
Sublist: chrom-8270_15R_9*sub17

Method: \\chromfs\Edison\ChromData\CBNAMS15\20220630-147278.b\8270_15R_9.m
Limit Group: SV 8270 DEL ICAL
Last Update: 30-Jun-2022 09:07:27 Calib Date: 30-Mar-2022 10:52:03
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS15\20220330-143392.b\f460653.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1618

First Level Reviewer: G4KC Date: 30-Jun-2022 09:07:27

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.631	1.631	0.000	97	149389	50.0	53.8	
	2 N-Nitrosodimethylamine	74	1.755	1.755	0.000	87	225604	50.0	54.7	
	3 Pyridine	79	1.776	1.776	0.000	89	696181	100.0	98.7	
$	5 2-Fluorophenol	112	2.422	2.422	0.000	93	379350	50.0	50.5	
	7 Benzaldehyde	77	3.009	3.009	0.000	92	81444	20.0	13.5	
$	8 Phenol-d5	99	3.054	3.054	0.000	0	485687	50.0	52.8	
	9 Phenol	94	3.065	3.065	0.000	99	492354	50.0	55.1	
	10 Aniline	93	3.086	3.086	0.000	45	561490	50.0	52.6	a
	11 Bis(2-chloroethyl)ether	93	3.133	3.133	0.000	93	386321	50.0	53.9	
	12 2-Chlorophenol	128	3.172	3.172	0.000	66	381120	50.0	51.6	
	13 n-Decane	43	3.207	3.207	0.000	90	435304	50.0	50.2	
	14 1,3-Dichlorobenzene	146	3.281	3.281	0.000	93	415822	50.0	52.0	
*	15 1,4-Dichlorobenzene-d4	152	3.325	3.325	0.000	97	211219	40.0	40.0	
	16 1,4-Dichlorobenzene	146	3.337	3.337	0.000	91	424217	50.0	52.0	
	17 Benzyl alcohol	108	3.431	3.431	0.000	91	254011	50.0	52.1	
	18 1,2-Dichlorobenzene	146	3.449	3.449	0.000	93	400695	50.0	52.2	
	19 2-Methylphenol	108	3.517	3.517	0.000	72	352659	50.0	53.9	
	20 2,2'-oxybis[1-chloropropane]	45	3.538	3.538	0.000	93	521768	50.0	49.0	
	130 N-Methylaniline	106	3.626	3.626	0.000	91	639464	NC	NC	a
	21 Acetophenone	105	3.635	3.635	0.000	90	582650	50.0	54.7	
	24 N-Nitrosodi-n-propylamine	70	3.638	3.638	0.000	75	274041	50.0	58.3	
	23 3 & 4 Methylphenol	108	3.641	3.641	0.000	0	405963	50.0	53.8	a
	22 4-Methylphenol	108	3.641	3.641	0.000	86	405963	50.0	53.8	a
	25 Hexachloroethane	117	3.703	3.703	0.000	94	170682	50.0	53.4	
$	26 Nitrobenzene-d5	82	3.747	3.747	0.000	90	459718	50.0	55.5	
	27 Nitrobenzene	123	3.762	3.762	0.000	88	190287	50.0	54.1	
	28 n,n'-Dimethylaniline	120	3.765	3.765	0.000	87	619072	50.0	54.2	
	29 Isophorone	82	3.948	3.948	0.000	99	778381	50.0	55.7	
	30 2-Nitrophenol	139	4.004	4.004	0.000	86	200153	50.0	53.0	
	31 2,4-Dimethylphenol	122	4.048	4.048	0.000	90	337840	50.0	53.8	
	32 Bis(2-chloroethoxy)methane	93	4.122	4.122	0.000	98	482364	50.0	55.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
33 Benzoic acid	122	4.155	4.155	0.000	87	199492	50.0	47.8	
34 2,4-Dichlorophenol	162	4.193	4.193	0.000	95	315154	50.0	53.6	
35 1,2,4-Trichlorobenzene	180	4.255	4.255	0.000	92	343004	50.0	55.3	
* 36 Naphthalene-d8	136	4.297	4.297	0.000	100	812395	40.0	40.0	
37 Naphthalene	128	4.311	4.311	0.000	99	1117853	50.0	53.4	
38 4-Chloroaniline	127	4.365	4.365	0.000	89	465643	50.0	51.5	
39 Hexachlorobutadiene	225	4.412	4.412	0.000	95	208314	50.0	54.6	
40 Caprolactam	113	4.648	4.648	0.000	89	43152	20.0	18.5	
41 4-Chloro-3-methylphenol	107	4.752	4.752	0.000	96	338310	50.0	55.7	
42 2-Methylnaphthalene	142	4.849	4.849	0.000	81	729383	50.0	50.7	
43 1-Methylnaphthalene	142	4.923	4.923	0.000	89	696499	50.0	52.4	
44 Hexachlorocyclopentadiene	237	4.971	4.971	0.000	88	190806	50.0	48.3	
45 1,2,4,5-Tetrachlorobenzene	216	4.977	4.977	0.000	96	367647	NC	NC	
46 2-tertbutyl-4-methylphenol	149	5.024	5.024	0.000	89	477956	50.0	53.2	
47 2,4,6-Trichlorophenol	196	5.071	5.071	0.000	88	236882	50.0	56.7	
48 2,4,5-Trichlorophenol	196	5.104	5.104	0.000	95	259373	50.0	56.0	
$ 50 2-Fluorobiphenyl	172	5.140	5.140	0.000	96	889700	50.0	55.4	
51 1,1'-Biphenyl	154	5.214	5.214	0.000	96	923920	50.0	56.0	
52 2-Chloronaphthalene	162	5.222	5.222	0.000	96	705126	50.0	55.4	
53 Phenyl ether	170	5.296	5.296	0.000	87	516569	50.0	56.9	
54 2-Nitroaniline	65	5.308	5.308	0.000	94	293479	50.0	55.5	
55 1,3-Dimethylnaphthalene	156	5.391	5.391	0.000	90	579468	50.0	54.9	
56 Dimethyl phthalate	163	5.462	5.462	0.000	97	823812	50.0	56.1	
57 Coumarin	146	5.465	5.465	0.000	73	274531	50.0	51.2	
58 2,6-Dinitrotoluene	165	5.504	5.504	0.000	71	184222	50.0	59.1	
59 Acenaphthylene	152	5.536	5.536	0.000	96	1053939	50.0	51.8	
60 3-Nitroaniline	138	5.625	5.625	0.000	92	199929	50.0	53.1	
* 61 Acenaphthene-d10	164	5.643	5.643	0.000	96	451497	40.0	40.0	
62 Acenaphthene	154	5.669	5.669	0.000	94	664465	50.0	56.6	
63 3,5-di-tert-butyl-4-hydroxytol	205	5.678	5.678	0.000	84	660780	50.0	59.0	
64 2,4-Dinitrophenol	184	5.711	5.711	0.000	84	199875	100.0	102.4	
65 4-Nitrophenol	65	5.776	5.776	0.000	93	290248	100.0	94.8	
66 Dibenzofuran	168	5.802	5.802	0.000	92	1014500	50.0	56.5	
67 2,4-Dinitrotoluene	165	5.805	5.805	0.000	48	254325	50.0	60.6	
68 2,3,4,6-Tetrachlorophenol	232	5.900	5.900	0.000	93	217178	NC	NC	
69 Diethyl phthalate	149	6.001	6.001	0.000	98	831969	50.0	56.0	
70 Fluorene	166	6.060	6.060	0.000	82	826345	50.0	57.3	
71 4-Chlorophenyl phenyl ether	204	6.069	6.069	0.000	85	393062	50.0	56.5	
72 4-Nitroaniline	138	6.096	6.096	0.000	41	181356	50.0	49.0	
73 4,6-Dinitro-2-methylphenol	198	6.116	6.116	0.000	74	265344	100.0	102.4	
74 N-Nitrosodiphenylamine	169	6.164	6.164	0.000	68	596449	50.0	52.0	
75 1,2-Diphenylhydrazine	77	6.190	6.190	0.000	1	897862	50.0	53.8	
$ 76 2,4,6-Tribromophenol	330	6.244	6.244	0.000	94	185771	50.0	62.0	
77 4-Bromophenyl phenyl ether	248	6.436	6.436	0.000	88	252735	50.0	54.8	
78 Hexachlorobenzene	284	6.475	6.475	0.000	91	308218	50.0	54.7	
79 Atrazine	200	6.578	6.578	0.000	90	91668	20.0	20.9	
80 Pentachlorophenol	266	6.632	6.632	0.000	90	362999	100.0	105.7	
81 Pentachloronitrobenzene	237	6.637	6.637	0.000	73	121080	50.0	54.6	
82 n-Octadecane	57	6.717	6.717	0.000	92	663392	50.0	50.9	
* 83 Phenanthrene-d10	188	6.768	6.768	0.000	99	873467	40.0	40.0	
84 Phenanthrene	178	6.786	6.786	0.000	98	1205861	50.0	52.9	
85 Anthracene	178	6.824	6.824	0.000	97	1243324	50.0	53.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
87 Carbazole	167	6.951	6.951	0.000	83	1114100	50.0	52.0	
88 Di-n-butyl phthalate	149	7.233	7.233	0.000	100	1434541	50.0	52.3	
89 Fluoranthene	202	7.680	7.680	0.000	98	1351239	50.0	55.1	
90 Benzidine	184	7.796	7.796	0.000	99	579614	50.0	44.2	
91 Pyrene	202	7.846	7.846	0.000	97	1371665	50.0	51.0	
92 Bisphenol-A	213	7.908	7.908	0.000	98	569489	NC	NC	
$ 93 Terphenyl-d14	244	7.979	7.979	0.000	98	1174955	50.0	51.7	
95 Butyl benzyl phthalate	149	8.373	8.373	0.000	97	627099	50.0	50.1	
96 2,3,7,8-TCDD	320	8.424	8.424	0.000	80	2185	0.5000	0.5003	
97 Carbamazepine	193	8.451	8.451	0.000	91	585253	NC	NC	
99 3,3'-Dichlorobenzidine	252	8.806	8.806	0.000	98	517359	50.0	52.3	
100 Benzo[a]anthracene	228	8.818	8.818	0.000	99	1357733	50.0	52.4	
* 98 Chrysene-d12	240	8.827	8.827	0.000	99	855273	40.0	40.0	
101 Chrysene	228	8.848	8.848	0.000	95	1313184	50.0	50.8	
102 Bis(2-ethylhexyl) phthalate	149	8.880	8.880	0.000	74	932265	50.0	50.2	
103 Di-n-octyl phthalate	149	9.518	9.518	0.000	97	1580144	50.0	50.9	
104 Benzo[b]fluoranthene	252	9.856	9.856	0.000	97	1272576	50.0	57.1	
105 Benzo[k]fluoranthene	252	9.886	9.886	0.000	95	1461300	50.0	55.2	
106 Benzo[a]pyrene	252	10.194	10.194	0.000	96	1148958	50.0	50.9	
* 107 Perylene-d12	264	10.251	10.251	0.000	98	879059	40.0	40.0	
108 Indeno[1,2,3-cd]pyrene	276	11.387	11.387	0.000	95	1094867	50.0	60.3	M
109 Dibenz(a,h)anthracene	278	11.417	11.417	0.000	94	1281920	50.0	60.7	
110 Benzo[g,h,i]perylene	276	11.678	11.678	0.000	97	1290211	50.0	52.7	
131 2,6-Dichlorophenol	162	4.365	4.365	0.000	81	313079	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

NC - Not Calibrated

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

SV_BNA_L7_00004 Amount Added: 1.00 Units: mL

Report Date: 30-Jun-2022 09:07:29 Chrom Revision: 2.3 20-Jun-2022 20:10:40

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS15\20220630-147278.b\f463605.D

Injection Date: 30-Jun-2022 10:57:11 Instrument ID: CBNAMS15 Operator ID:

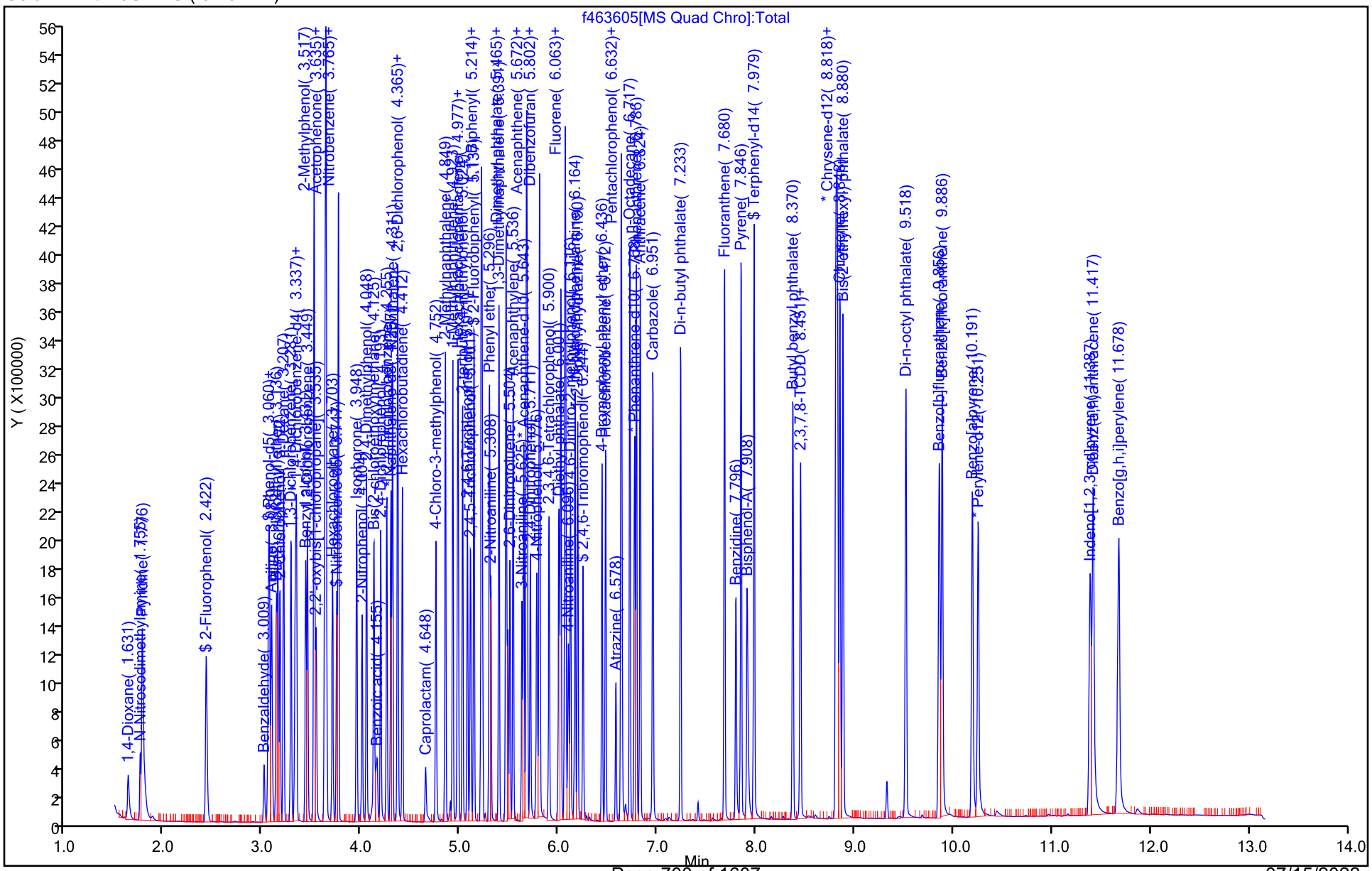
Lims ID: CCVIS Worklist Smp#: 2

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 8270_15R_9 Limit Group: SV 8270 DEL ICAL

Column: Rtxi-5Sil MS (0.25 mm)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison | Job No.: 460-260852-1

SDG No.:

Lab Sample ID: CCV 460-852915/41 | Calibration Date: 06/30/2022 22:09

Instrument ID: CBNAMS15 | Calib Start Date: 03/30/2022 08:33

GC Column: Rtxi-5Sil MS ID: 0.25(mm) | Calib End Date: 03/30/2022 10:52

Lab File ID: f463644.D | Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5254	0.5431	0.0500	51700	50000	3.4	25.0
N-Nitrosodimethylamine	Ave	0.7816	0.8285	0.0500	53000	50000	6.0	25.0
Pyridine	Ave	1.336	1.272	0.0500	95200	100000	-4.8	25.0
Benzaldehyde	Ave	1.140	0.7635	0.0500	13400	20000	-33.0*	25.0
Phenol	Ave	1.693	1.994	0.0500	58900	50000	17.8	25.0
Aniline	Ave	2.020	2.152	0.0500	53300	50000	6.5	25.0
Bis(2-chloroethyl)ether	Ave	1.357	1.479	0.0500	54500	50000	9.0	25.0
2-Chlorophenol	Ave	1.398	1.463	0.0500	52300	50000	4.6	25.0
n-Decane	Ave	1.642	1.640	0.0500	49900	50000	-0.1	25.0
1,3-Dichlorobenzene	Ave	1.514	1.611	0.0500	53200	50000	6.4	25.0
1,4-Dichlorobenzene	Ave	1.546	1.640	0.0500	53000	50000	6.1	25.0
Benzyl alcohol	Ave	0.9236	0.9620	0.0500	52100	50000	4.2	25.0
1,2-Dichlorobenzene	Ave	1.454	1.544	0.0500	53100	50000	6.2	25.0
2-Methylphenol	Ave	1.238	1.397	0.0500	56400	50000	12.8	25.0
2,2'-oxybis[1-chloropropane]	Ave	2.015	1.918	0.0500	47600	50000	-4.8	25.0
Acetophenone	Ave	2.016	2.295	0.0500	56900	50000	13.8	25.0
N-Nitrosodi-n-propylamine	Ave	0.8906	1.066	0.0500	59800	50000	19.7	25.0
3 & 4 Methylphenol	Ave	1.429	1.607	0.0500	56200	50000	12.5	25.0
4-Methylphenol	Ave	1.429	1.607	0.0500	56200	50000	12.5	25.0
Hexachloroethane	Ave	0.6057	0.6477	0.0500	53500	50000	6.9	25.0
n,n'-Dimethylaniline	Ave	2.163	2.419	0.0500	55900	50000	11.8	25.0
Nitrobenzene	Ave	0.6662	0.7428	0.0500	55700	50000	11.5	25.0
Isophorone	Ave	0.6886	0.7650	0.0500	55600	50000	11.1	25.0
2-Nitrophenol	Ave	0.1858	0.1986	0.0500	53400	50000	6.9	25.0
2,4-Dimethylphenol	Ave	0.3094	0.3275	0.0500	52900	50000	5.9	25.0
Bis(2-chloroethoxy)methane	Ave	0.4266	0.4756	0.0500	55700	50000	11.5	25.0
Benzoic acid	Ave	0.2053	0.1815	0.0500	44200	50000	-11.6	25.0
2,4-Dichlorophenol	Ave	0.2893	0.3103	0.0500	53600	50000	7.3	25.0
1,2,4-Trichlorobenzene	Ave	0.3052	0.3397	0.0500	55600	50000	11.3	25.0
Naphthalene	Ave	1.031	1.095	0.0500	53100	50000	6.1	25.0
4-Chloroaniline	Ave	0.4448	0.4715	0.0500	53000	50000	6.0	25.0
Hexachlorobutadiene	Ave	0.1878	0.2035	0.0500	54200	50000	8.4	25.0
Caprolactam	Ave	0.1147	0.0968	0.0500	16900	20000	-15.6	25.0
4-Chloro-3-methylphenol	Ave	0.2988	0.3298	0.0500	55200	50000	10.3	25.0
2-Methylnaphthalene	Ave	0.7087	0.7189	0.0500	50700	50000	1.4	25.0
1-Methylnaphthalene	Ave	0.6539	0.6831	0.0500	52200	50000	4.5	25.0
Hexachlorocyclopentadiene	Ave	0.3499	0.1659	0.0500	23700	50000	-52.6*	25.0
2-tertbutyl-4-methylphenol	Ave	0.4423	0.4674	0.0500	52800	50000	5.7	25.0
2,4,6-Trichlorophenol	Ave	0.3698	0.4220	0.0500	57100	50000	14.1	25.0
2,4,5-Trichlorophenol	Ave	0.4102	0.4501	0.0500	54900	50000	9.7	25.0
1,1'-Biphenyl	Ave	1.461	1.645	0.0500	56300	50000	12.6	25.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison | Job No.: 460-260852-1

SDG No.:

Lab Sample ID: CCV 460-852915/41 | Calibration Date: 06/30/2022 22:09

Instrument ID: CBNAMS15 | Calib Start Date: 03/30/2022 08:33

GC Column: Rtxi-5Sil MS ID: 0.25(mm) | Calib End Date: 03/30/2022 10:52

Lab File ID: f463644.D | Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-Chloronaphthalene	Ave	1.128	1.267	0.0500	56200	50000	12.4	25.0
Phenyl ether	Ave	0.8047	0.9203	0.0500	57200	50000	14.4	25.0
2-Nitroaniline	Ave	0.4687	0.5336	0.0500	56900	50000	13.8	25.0
1,3-Dimethylnaphthalene	Ave	0.9354	1.045	0.0500	55900	50000	11.7	25.0
Dimethyl phthalate	Ave	1.302	1.474	0.0500	56600	50000	13.2	25.0
Coumarin	Ave	0.2642	0.2763	0.0500	52300	50000	4.6	25.0
2,6-Dinitrotoluene	Ave	0.2764	0.3170	0.0500	57400	50000	14.7	25.0
Acenaphthylene	Ave	1.803	1.900	0.0500	52700	50000	5.4	25.0
3-Nitroaniline	Ave	0.3337	0.3455	0.0500	51800	50000	3.6	25.0
Acenaphthene	Ave	1.041	1.192	0.0500	57300	50000	14.6	25.0
3,5-di-tert-butyl-4-hydroxytol	Ave	0.9929	1.193	0.0500	60100	50000	20.1	25.0
2,4-Dinitrophenol	Lin1		0.1183	0.0500	69700	100000	-30.3*	25.0
4-Nitrophenol	Ave	0.2712	0.2682	0.0500	98900	100000	-1.1	25.0
Dibenzofuran	Ave	1.592	1.803	0.0500	56600	50000	13.2	25.0
2,4-Dinitrotoluene	Ave	0.3718	0.4500	0.0500	60500	50000	21.0	25.0
Diethyl phthalate	Ave	1.317	1.449	0.0500	55000	50000	10.0	25.0
Fluorene	Ave	1.278	1.476	0.0500	57700	50000	15.5	25.0
4-Chlorophenyl phenyl ether	Ave	0.6168	0.7137	0.0500	57900	50000	15.7	25.0
4-Nitroaniline	Ave	0.3278	0.3290	0.0500	50200	50000	0.4	25.0
4,6-Dinitro-2-methylphenol	Lin2		0.0902	0.0500	76600	100000	-23.4	25.0
N-Nitrosodiphenylamine	Ave	0.5251	0.5493	0.0500	52300	50000	4.6	25.0
1,2-Diphenylhydrazine	Ave	0.7642	0.8367	0.0500	54700	50000	9.5	25.0
4-Bromophenyl phenyl ether	Ave	0.2110	0.2332	0.0500	55300	50000	10.5	25.0
Hexachlorobenzene	Ave	0.2581	0.2859	0.0500	55400	50000	10.8	25.0
Atrazine	Ave	0.2004	0.1995	0.0500	19900	20000	-0.5	25.0
Pentachlorophenol	Ave	0.1573	0.1695	0.0500	108000	100000	7.8	25.0
Pentachloronitrobenzene	Ave	0.1015	0.1109	0.0500	54700	50000	9.3	25.0
n-Octadecane	Ave	0.5963	0.5871	0.0500	49200	50000	-1.6	25.0
Phenanthrene	Ave	1.043	1.108	0.0500	53100	50000	6.2	25.0
Anthracene	Ave	1.064	1.155	0.0500	54300	50000	8.5	25.0
Carbazole	Ave	0.9821	1.019	0.0500	51900	50000	3.8	25.0
Di-n-butyl phthalate	Ave	1.257	1.320	0.0500	52500	50000	5.0	25.0
Fluoranthene	Ave	1.122	1.215	0.0500	54100	50000	8.3	25.0
Benzidine	Ave	0.6010	0.4389	0.0500	36500	50000	-27.0*	25.0
Pyrene	Ave	1.257	1.263	0.0500	50200	50000	0.4	25.0
Butyl benzyl phthalate	Ave	0.5854	0.5796	0.0500	49500	50000	-1.0	25.0
2,3,7,8-TCDD	Ave	0.2042	0.1781	0.0500	436	500	-12.8	25.0
3,3'-Dichlorobenzidine	Ave	0.4628	0.4705	0.0500	50800	50000	1.7	25.0
Benzo[a]anthracene	Ave	1.212	1.290	0.0500	53200	50000	6.5	25.0
Chrysene	Ave	1.209	1.248	0.0500	51600	50000	3.3	25.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-260852-1

SDG No.:

Lab Sample ID: CCV 460-852915/41 Calibration Date: 06/30/2022 22:09

Instrument ID: CBNAMS15 Calib Start Date: 03/30/2022 08:33

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 03/30/2022 10:52

Lab File ID: f463644.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Bis(2-ethylhexyl) phthalate	Ave	0.8692	0.8641	0.0500	49700	50000	-0.6	25.0
Di-n-octyl phthalate	Ave	1.412	1.419	0.0500	50200	50000	0.5	25.0
Benzo[b]fluoranthene	Ave	1.015	1.201	0.0500	59200	50000	18.4	25.0
Benzo[k]fluoranthene	Ave	1.205	1.303	0.0500	54100	50000	8.1	25.0
Benzo[a]pyrene	Ave	1.027	1.052	0.0500	51200	50000	2.5	25.0
Indeno[1,2,3-cd]pyrene	Ave	0.8267	0.7965	0.0500	48200	50000	-3.6	25.0
Dibenz(a,h)anthracene	Ave	0.9615	1.014	0.0500	52700	50000	5.5	25.0
Benzo[g,h,i]perylene	Ave	1.114	0.8735	0.0500	39200	50000	-21.6	25.0
2-Fluorophenol (Surr)	Ave	1.422	1.409	0.0500	49500	50000	-1.0	25.0
Phenol-d5 (Surr)	Ave	1.744	1.850	0.0500	53000	50000	6.1	25.0
Nitrobenzene-d5 (Surr)	Ave	0.4079	0.4434	0.0500	54300	50000	8.7	25.0
2-Fluorobiphenyl	Ave	1.423	1.567	0.0500	55100	50000	10.1	25.0
2,4,6-Tribromophenol (Surr)	Ave	0.2654	0.3273	0.0500	61700	50000	23.3	25.0
Terphenyl-d14 (Surr)	Ave	1.064	1.076	0.0500	50600	50000	1.2	25.0

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS15\20220630-147278.b\f463644.D
Lims ID: ccv
Client ID:
Sample Type: CCV
Inject. Date: 30-Jun-2022 22:09:32 ALS Bottle#: 0 Worklist Smp#: 41
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0147278-041
Operator ID: Instrument ID: CBNAMS15
Sublist: chrom-8270_15R_9*sub17

Method: \\chromfs\Edison\ChromData\CBNAMS15\20220630-147278.b\8270_15R_9.m
Limit Group: SV 8270 DEL ICAL
Last Update: 01-Jul-2022 11:02:30 Calib Date: 30-Mar-2022 10:52:03
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS15\20220330-143392.b\f460653.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1656

First Level Reviewer: U6BX Date: 30-Jun-2022 22:29:44

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.634	1.629	0.003	97	137435	50.0	51.7	
	2 N-Nitrosodimethylamine	74	1.755	1.751	0.000	83	209663	50.0	53.0	
	3 Pyridine	79	1.776	1.770	0.000	89	643655	100.0	95.2	
$	5 2-Fluorophenol	112	2.420	2.419	-0.002	92	356450	50.0	49.5	
	7 Benzaldehyde	77	3.005	3.005	-0.004	91	77291	20.0	13.4	
$	8 Phenol-d5	99	3.049	3.049	-0.005	0	468105	50.0	53.0	
	9 Phenol	94	3.058	3.056	-0.007	99	504637	50.0	58.9	
	10 Aniline	93	3.082	3.082	-0.004	100	544489	50.0	53.3	
	11 Bis(2-chloroethyl)ether	93	3.129	3.127	-0.004	94	374336	50.0	54.5	
	12 2-Chlorophenol	128	3.167	3.166	-0.005	75	370275	50.0	52.3	
	13 n-Decane	43	3.203	3.197	-0.004	90	415125	50.0	49.9	
	14 1,3-Dichlorobenzene	146	3.277	3.274	-0.004	93	407599	50.0	53.2	
*	15 1,4-Dichlorobenzene-d4	152	3.321	3.325	-0.004	79	202455	40.0	40.0	
	16 1,4-Dichlorobenzene	146	3.333	3.330	-0.004	92	415109	50.0	53.0	
	17 Benzyl alcohol	108	3.428	3.421	-0.003	90	243463	50.0	52.1	
	18 1,2-Dichlorobenzene	146	3.445	3.442	-0.004	93	390761	50.0	53.1	
	19 2-Methylphenol	108	3.513	3.509	-0.004	74	353593	50.0	56.4	
	20 2,2'-oxybis[1-chloropropane]	45	3.531	3.531	-0.007	91	485267	50.0	47.6	a
	21 Acetophenone	105	3.629	3.629	-0.006	89	580671	50.0	56.9	
	24 N-Nitrosodi-n-propylamine	70	3.632	3.633	-0.006	71	269713	50.0	59.8	
	23 3 & 4 Methylphenol	108	3.635	3.630	-0.006	0	406804	50.0	56.2	a
	22 4-Methylphenol	108	3.635	3.633	-0.006	83	406804	50.0	56.2	a
	25 Hexachloroethane	117	3.700	3.695	-0.003	93	163916	50.0	53.5	
$	26 Nitrobenzene-d5	82	3.741	3.740	-0.006	90	440891	50.0	54.3	
	27 Nitrobenzene	123	3.759	3.757	-0.003	85	187970	50.0	55.7	
	28 n,n'-Dimethylaniline	120	3.759	3.753	-0.006	85	612204	50.0	55.9	
	29 Isophorone	82	3.942	3.942	-0.006	99	760688	50.0	55.6	
	30 2-Nitrophenol	139	3.998	3.998	-0.006	85	197441	50.0	53.4	
	31 2,4-Dimethylphenol	122	4.043	4.041	-0.005	89	325639	50.0	52.9	
	32 Bis(2-chloroethoxy)methane	93	4.119	4.116	-0.003	98	472922	50.0	55.7	
	33 Benzoic acid	122	4.152	4.147	-0.002	89	180478	50.0	44.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
34 2,4-Dichlorophenol	162	4.187	4.187	-0.006	94	308585	50.0	53.6	
35 1,2,4-Trichlorobenzene	180	4.249	4.249	-0.006	91	337806	50.0	55.6	
* 36 Naphthalene-d8	136	4.291	4.297	-0.006	100	795482	40.0	40.0	
37 Naphthalene	128	4.308	4.302	-0.003	99	1088700	50.0	53.1	
38 4-Chloroaniline	127	4.359	4.357	-0.006	90	468808	50.0	53.0	
39 Hexachlorobutadiene	225	4.409	4.406	-0.003	95	202382	50.0	54.2	
40 Caprolactam	113	4.645	4.642	-0.003	90	38500	20.0	16.9	
41 4-Chloro-3-methylphenol	107	4.749	4.745	-0.003	94	327904	50.0	55.2	
42 2-Methylnaphthalene	142	4.843	4.841	-0.006	81	714823	50.0	50.7	
43 1-Methylnaphthalene	142	4.920	4.913	-0.003	88	679234	50.0	52.2	
44 Hexachlorocyclopentadiene	237	4.967	4.966	-0.004	64	91383	50.0	23.7	
45 1,2,4,5-Tetrachlorobenzene	216	4.973	4.972	-0.004	96	360543	NC	NC	
46 2-tertbutyl-4-methylphenol	149	5.018	5.013	-0.006	87	464726	50.0	52.8	
47 2,4,6-Trichlorophenol	196	5.068	5.067	-0.003	88	232373	50.0	57.1	
48 2,4,5-Trichlorophenol	196	5.098	5.099	-0.006	94	247858	50.0	54.9	
$ 50 2-Fluorobiphenyl	172	5.133	5.135	-0.007	96	862922	50.0	55.1	
51 1,1'-Biphenyl	154	5.210	5.209	-0.004	96	905628	50.0	56.3	
52 2-Chloronaphthalene	162	5.219	5.218	-0.003	96	697780	50.0	56.2	
53 Phenyl ether	170	5.290	5.289	-0.006	88	506803	50.0	57.2	
54 2-Nitroaniline	65	5.304	5.303	-0.004	94	293830	50.0	56.9	
55 1,3-Dimethylnaphthalene	156	5.387	5.385	-0.004	90	575381	50.0	55.9	
56 Dimethyl phthalate	163	5.458	5.457	-0.004	97	811646	50.0	56.6	
57 Coumarin	146	5.461	5.453	-0.004	73	274784	50.0	52.3	
58 2,6-Dinitrotoluene	165	5.500	5.499	-0.004	71	174574	50.0	57.4	
59 Acenaphthylene	152	5.532	5.533	-0.004	95	1046342	50.0	52.7	
60 3-Nitroaniline	138	5.621	5.620	-0.004	92	190269	50.0	51.8	
* 61 Acenaphthene-d10	164	5.641	5.643	-0.002	95	440539	40.0	40.0	
62 Acenaphthene	154	5.665	5.661	-0.004	94	656475	50.0	57.3	
63 3,5-di-tert-butyl-4-hydroxytol	205	5.674	5.672	-0.004	88	656861	50.0	60.1	
64 2,4-Dinitrophenol	184	5.707	5.706	-0.004	84	130324	100.0	69.7	
65 4-Nitrophenol	65	5.772	5.773	-0.004	92	295368	100.0	98.9	
66 Dibenzofuran	168	5.798	5.799	-0.004	91	992784	50.0	56.6	
67 2,4-Dinitrotoluene	165	5.804	5.802	-0.001	56	247783	50.0	60.5	
68 2,3,4,6-Tetrachlorophenol	232	5.896	5.895	-0.004	92	207761	NC	NC	
69 Diethyl phthalate	149	5.997	5.995	-0.004	97	798093	50.0	55.0	
70 Fluorene	166	6.059	6.057	-0.001	82	812628	50.0	57.7	
71 4-Chlorophenyl phenyl ether	204	6.065	6.063	-0.004	85	393020	50.0	57.9	
72 4-Nitroaniline	138	6.092	6.090	-0.004	63	181150	50.0	50.2	
73 4,6-Dinitro-2-methylphenol	198	6.115	6.110	-0.001	74	190152	100.0	76.6	
74 N-Nitrosodiphenylamine	169	6.160	6.157	-0.004	69	579121	50.0	52.3	
75 1,2-Diphenylhydrazine	77	6.186	6.184	-0.004	1	882061	50.0	54.7	
$ 76 2,4,6-Tribromophenol	330	6.243	6.238	-0.002	93	180263	50.0	61.7	
77 4-Bromophenyl phenyl ether	248	6.435	6.429	-0.001	89	245876	50.0	55.3	
78 Hexachlorobenzene	284	6.470	6.468	-0.005	88	301450	50.0	55.4	
79 Atrazine	200	6.574	6.571	-0.004	88	84125	20.0	19.9	
80 Pentachlorophenol	266	6.627	6.625	-0.005	89	357421	100.0	107.8	
81 Pentachloronitrobenzene	237	6.633	6.629	-0.004	68	116951	50.0	54.7	
82 n-Octadecane	57	6.716	6.710	-0.001	92	618906	50.0	49.2	
* 83 Phenanthrene-d10	188	6.764	6.768	-0.004	99	843410	40.0	40.0	
84 Phenanthrene	178	6.781	6.778	-0.005	92	1168439	50.0	53.1	
85 Anthracene	178	6.820	6.817	-0.004	97	1217489	50.0	54.3	
87 Carbazole	167	6.950	6.947	-0.001	83	1074236	50.0	51.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
88 Di-n-butyl phthalate	149	7.232	7.222	-0.001	100	1391226	50.0	52.5	
89 Fluoranthene	202	7.676	7.669	-0.004	98	1281402	50.0	54.1	
90 Benzidine	184	7.792	7.786	-0.004	99	462672	50.0	36.5	
91 Pyrene	202	7.845	7.834	-0.001	97	1319608	50.0	50.2	
92 Bisphenol-A	213	7.904	7.898	-0.004	98	611153	NC	NC	
$ 93 Terphenyl-d14	244	7.976	7.969	-0.003	98	1124766	50.0	50.6	
95 Butyl benzyl phthalate	149	8.367	8.365	-0.006	97	605789	50.0	49.5	
96 2,3,7,8-TCDD	320	8.420	8.413	-0.004	72	1861	0.5000	0.4359	
97 Carbamazepine	193	8.447	8.438	-0.003	91	548058	NC	NC	
99 3,3'-Dichlorobenzidine	252	8.803	8.798	-0.003	90	491782	50.0	50.8	
100 Benzo[a]anthracene	228	8.812	8.808	-0.006	99	1348290	50.0	53.2	
* 98 Chrysene-d12	240	8.821	8.827	-0.006	99	836128	40.0	40.0	
101 Chrysene	228	8.845	8.837	-0.003	95	1304556	50.0	51.6	
102 Bis(2-ethylhexyl) phthalate	149	8.877	8.872	-0.003	78	903112	50.0	49.7	
103 Di-n-octyl phthalate	149	9.512	9.513	-0.006	97	1546250	50.0	50.2	
104 Benzo[b]fluoranthene	252	9.850	9.849	-0.006	98	1309608	50.0	59.2	
105 Benzo[k]fluoranthene	252	9.880	9.870	-0.006	99	1420041	50.0	54.1	
106 Benzo[a]pyrene	252	10.186	10.183	-0.008	97	1146543	50.0	51.2	
* 107 Perylene-d12	264	10.245	10.251	-0.006	98	872014	40.0	40.0	
108 Indeno[1,2,3-cd]pyrene	276	11.376	11.398	-0.011	99	868209	50.0	48.2	M
109 Dibenz(a,h)anthracene	278	11.406	11.403	-0.011	94	1105415	50.0	52.7	
110 Benzo[g,h,i]perylene	276	11.664	11.671	-0.014	95	952157	50.0	39.2	
S 117 Total Cresols	1				0			112.7	
131 2,6-Dichlorophenol	162	4.362	4.365	-0.003	84	309491	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

NC - Not Calibrated

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

SV_BNA_L7_00004 Amount Added: 1.00 Units: mL

Report Date: 01-Jul-2022 11:02:31 Chrom Revision: 2.3 20-Jun-2022 20:10:40

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS15\20220630-147278.b\f463644.D

Injection Date: 30-Jun-2022 22:09:32 Instrument ID: CBNAMS15 Operator ID:

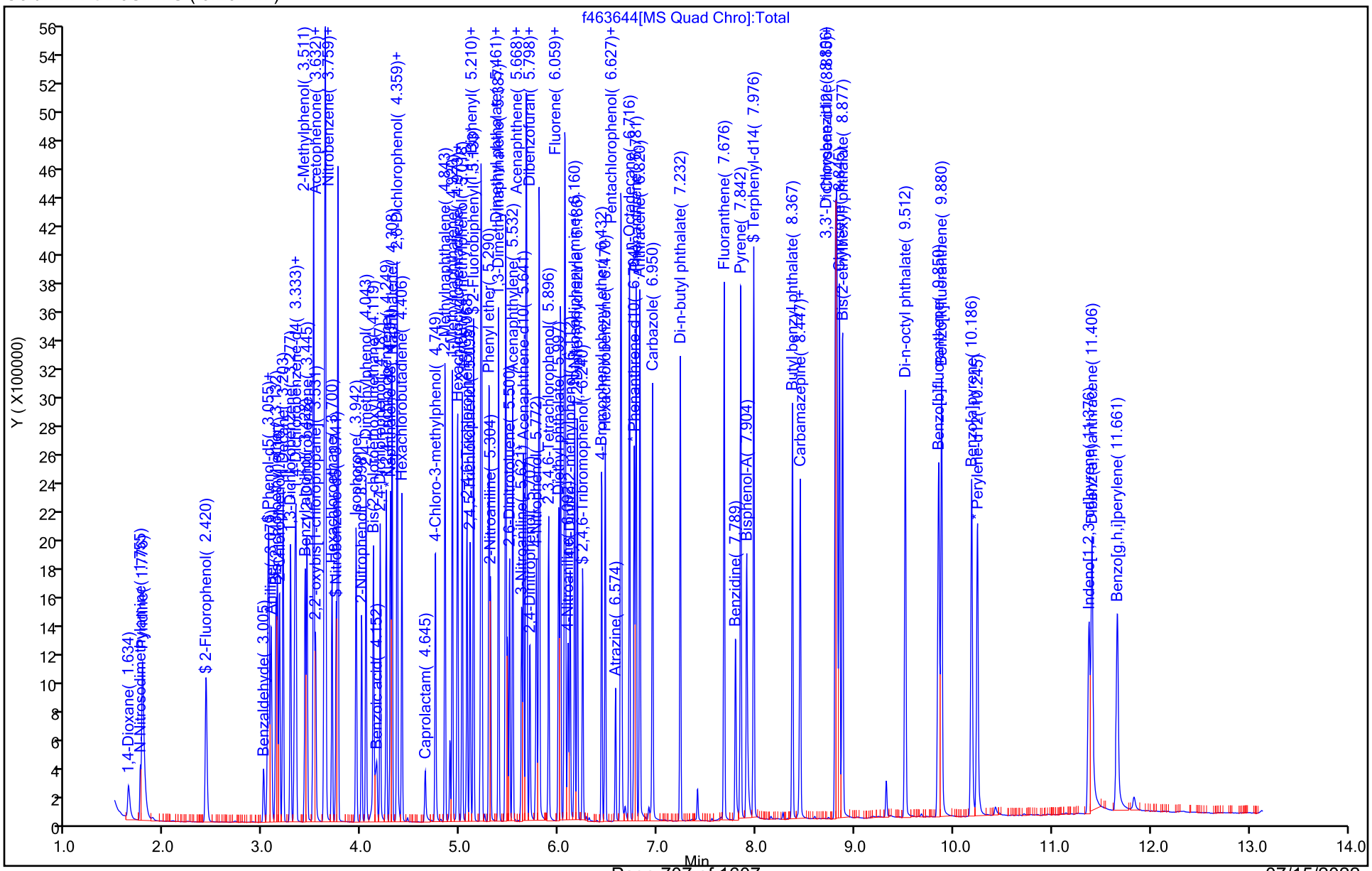
Lims ID: ccv Worklist Smp#: 41

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 0

Method: 8270_15R_9 Limit Group: SV 8270 DEL ICAL

Column: Rtxi-5Sil MS (0.25 mm)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison | Job No.: 460-260852-1

SDG No.:

Lab Sample ID: ICV 460-847814/11 | Calibration Date: 06/03/2022 09:53

Instrument ID: CBNAMS5 | Calib Start Date: 06/03/2022 06:21

GC Column: Rtxi-5Sil MS ID: 0.25(mm) | Calib End Date: 06/03/2022 09:29

Lab File ID: X41883.d | Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5144	0.4842	0.0500	47100	50000	-5.9	20.0
N-Nitrosodimethylamine	Ave	0.8964	0.8235	0.0500	45900	50000	-8.1	20.0
Pyridine	Ave	1.352	1.238	0.0500	91500	100000	-8.5	20.0
Benzaldehyde	Ave	1.242	0.6510	0.0500	10500	20000	-47.6*	20.0
Phenol	Ave	1.773	1.683	0.0500	47500	50000	-5.1	20.0
Aniline	Ave	2.152	2.050	0.0500	47600	50000	-4.7	20.0
Bis(2-chloroethyl)ether	Ave	1.347	1.256	0.0500	46600	50000	-6.7	20.0
2-Chlorophenol	Ave	1.451	1.362	0.0500	46900	50000	-6.1	20.0
n-Decane	Ave	1.905	1.818	0.0500	47700	50000	-4.6	20.0
1,3-Dichlorobenzene	Ave	1.547	1.456	0.0500	47000	50000	-5.9	20.0
1,4-Dichlorobenzene	Ave	1.552	1.477	0.0500	47600	50000	-4.8	20.0
Benzyl alcohol	Ave	0.9095	0.8799	0.0500	48400	50000	-3.3	20.0
1,2-Dichlorobenzene	Ave	1.475	1.397	0.0500	47300	50000	-5.3	20.0
2-Methylphenol	Ave	1.242	1.177	0.0500	47400	50000	-5.2	20.0
2,2'-oxybis[1-chloropropane]	Ave	2.357	2.290	0.0500	48600	50000	-2.8	20.0
3 & 4 Methylphenol	Ave	1.342	1.247	0.0500	46500	50000	-7.1	20.0
4-Methylphenol	Ave	1.342	1.247	0.0500	46500	50000	-7.1	20.0
Acetophenone	Ave	1.867	1.747	0.0500	46800	50000	-6.4	20.0
N-Nitrosodi-n-propylamine	Ave	1.042	0.9612	0.0500	46100	50000	-7.7	20.0
Hexachloroethane	Ave	0.5949	0.5607	0.0500	47100	50000	-5.8	20.0
n,n'-Dimethylaniline	Ave	2.146	2.039	0.0500	47500	50000	-5.0	20.0
Nitrobenzene	Ave	0.6504	0.5965	0.0500	45900	50000	-8.3	20.0
Isophorone	Ave	0.7088	0.6699	0.0500	47300	50000	-5.5	20.0
2-Nitrophenol	Ave	0.1736	0.1675	0.0500	48200	50000	-3.5	20.0
2,4-Dimethylphenol	Ave	0.3305	0.3079	0.0500	46600	50000	-6.8	20.0
Bis(2-chloroethoxy)methane	Ave	0.4315	0.4027	0.0500	46700	50000	-6.7	20.0
Benzoic acid	Lin2		0.1790	0.0500	47800	50000	-4.3	20.0
2,4-Dichlorophenol	Ave	0.2854	0.2763	0.0500	48400	50000	-3.2	20.0
1,2,4-Trichlorobenzene	Ave	0.3063	0.2990	0.0500	48800	50000	-2.4	20.0
Naphthalene	Ave	1.032	0.9891	0.0500	47900	50000	-4.1	20.0
4-Chloroaniline	Ave	0.4461	0.4237	0.0500	47500	50000	-5.0	20.0
Hexachlorobutadiene	Ave	0.1814	0.1715	0.0500	47300	50000	-5.4	20.0
Caprolactam	Ave	0.0944	0.0929	0.0500	19700	20000	-1.6	20.0
4-Chloro-3-methylphenol	Ave	0.2946	0.2777	0.0500	47100	50000	-5.7	20.0
2-Methylnaphthalene	Ave	0.6844	0.6533	0.0500	47700	50000	-4.6	20.0
1-Methylnaphthalene	Ave	0.6278	0.5948	0.0500	47400	50000	-5.2	20.0
Hexachlorocyclopentadiene	Ave	0.4568	0.4450	0.0500	48700	50000	-2.6	20.0
2-tertbutyl-4-methylphenol	Ave	0.4126	0.4054	0.0500	49100	50000	-1.8	20.0
2,4,6-Trichlorophenol	Ave	0.3938	0.4060	0.0500	51500	50000	3.1	20.0
2,4,5-Trichlorophenol	Ave	0.4319	0.4265	0.0500	49400	50000	-1.2	20.0
1,1'-Biphenyl	Ave	1.536	1.527	0.0500	49700	50000	-0.6	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison | Job No.: 460-260852-1

SDG No.:

Lab Sample ID: ICV 460-847814/11 | Calibration Date: 06/03/2022 09:53

Instrument ID: CBNAMS5 | Calib Start Date: 06/03/2022 06:21

GC Column: Rtxi-5Sil MS ID: 0.25(mm) | Calib End Date: 06/03/2022 09:29

Lab File ID: X41883.d | Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-Chloronaphthalene	Ave	1.177	1.167	0.0500	49600	50000	-0.8	20.0
Phenyl ether	Ave	0.8428	0.8259	0.0500	49000	50000	-2.0	20.0
2-Nitroaniline	Ave	0.4508	0.4511	0.0500	50000	50000	0.0	20.0
1,3-Dimethylnaphthalene	Ave	0.9536	0.9908	0.0500	52000	50000	3.9	20.0
Dimethyl phthalate	Ave	1.334	1.301	0.0500	48800	50000	-2.5	20.0
Coumarin	Ave	0.2418	0.2353	0.0500	48700	50000	-2.7	20.0
2,6-Dinitrotoluene	Ave	0.2754	0.2862	0.0500	52000	50000	3.9	20.0
Acenaphthylene	Ave	1.932	1.825	0.0500	47200	50000	-5.5	20.0
3-Nitroaniline	Ave	0.3372	0.3393	0.0500	50300	50000	0.6	20.0
3,5-di-tert-butyl-4-hydroxytol	Ave	0.9781	0.9776	0.0500	50000	50000	-0.0	20.0
Acenaphthene	Ave	1.132	1.057	0.0500	46700	50000	-6.6	20.0
2,4-Dinitrophenol	Lin1		0.1424	0.0500	94800	100000	-5.2	20.0
4-Nitrophenol	Ave	0.2390	0.2489	0.0500	104000	100000	4.1	20.0
2,4-Dinitrotoluene	Ave	0.3597	0.3850	0.0500	53500	50000	7.0	20.0
Dibenzofuran	Ave	1.621	1.602	0.0500	49400	50000	-1.2	20.0
Diethyl phthalate	Ave	1.381	1.365	0.0500	49400	50000	-1.2	20.0
Fluorene	Ave	1.276	1.251	0.0500	49000	50000	-1.9	20.0
4-Chlorophenyl phenyl ether	Ave	0.5935	0.5806	0.0500	48900	50000	-2.2	20.0
4-Nitroaniline	Ave	0.3390	0.3449	0.0500	50900	50000	1.7	20.0
4,6-Dinitro-2-methylphenol	Ave	0.0980	0.1085	0.0500	111000	100000	10.7	20.0
N-Nitrosodiphenylamine	Ave	0.5373	0.5322	0.0500	49500	50000	-0.9	20.0
1,2-Diphenylhydrazine	Ave	0.7700	0.7788	0.0500	50600	50000	1.1	20.0
4-Bromophenyl phenyl ether	Ave	0.2257	0.2262	0.0500	50100	50000	0.2	20.0
Hexachlorobenzene	Ave	0.2928	0.2824	0.0500	48200	50000	-3.5	20.0
Atrazine	Ave	0.2069	0.2184	0.0500	21100	20000	5.5	20.0
Pentachlorophenol	Ave	0.1562	0.1646	0.0500	105000	100000	5.4	20.0
Pentachloronitrobenzene	Ave	0.0987	0.1040	0.0500	52600	50000	5.3	20.0
n-Octadecane	Ave	0.5578	0.5582	0.0500	50000	50000	0.0	20.0
Phenanthrene	Ave	1.055	1.046	0.0500	49600	50000	-0.8	20.0
Anthracene	Ave	1.085	1.087	0.0500	50100	50000	0.2	20.0
Carbazole	Ave	1.011	1.020	0.0500	50400	50000	0.9	20.0
Di-n-butyl phthalate	Ave	1.272	1.280	0.0500	50300	50000	0.6	20.0
Fluoranthene	Ave	1.147	1.165	0.0500	50800	50000	1.5	20.0
Benzidine	Ave	0.7093	0.7037	0.0500	49600	50000	-0.8	20.0
Pyrene	Ave	1.283	1.314	0.0500	51200	50000	2.5	20.0
Butyl benzyl phthalate	Ave	0.5924	0.6110	0.0500	51600	50000	3.1	20.0
3,3'-Dichlorobenzidine	Ave	0.4830	0.5192	0.0500	53700	50000	7.5	20.0
Benzo[a]anthracene	Ave	1.243	1.195	0.0500	48100	50000	-3.8	20.0
Chrysene	Ave	1.150	1.165	0.0500	50600	50000	1.3	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.8554	0.8778	0.0500	51300	50000	2.6	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-260852-1

SDG No.:

Lab Sample ID: ICV 460-847814/11 Calibration Date: 06/03/2022 09:53

Instrument ID: CBNAMS5 Calib Start Date: 06/03/2022 06:21

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 06/03/2022 09:29

Lab File ID: X41883.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Di-n-octyl phthalate	Ave	1.246	1.290	0.0500	51800	50000	3.6	20.0
Benzo[b]fluoranthene	Ave	1.123	1.194	0.0500	53200	50000	6.3	20.0
Benzo[k]fluoranthene	Ave	1.131	1.107	0.0500	48900	50000	-2.1	20.0
Benzo[a]pyrene	Ave	1.076	1.116	0.0500	51900	50000	3.7	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.102	1.180	0.0500	53500	50000	7.1	20.0
Dibenz(a,h)anthracene	Ave	1.167	1.186	0.0500	50800	50000	1.6	20.0
Benzo[g,h,i]perylene	Ave	1.204	1.209	0.0500	50200	50000	0.4	20.0

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS5\20220602-146048.b\X41883.d
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 03-Jun-2022 09:53:30 ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0146048-011
Operator ID: Instrument ID: CBNAMS5
Sublist:

Method: \\chromfs\Edison\ChromData\CBNAMS5\20220602-146048.b\8270_5R.m
Limit Group: SV 8270 DEL ICAL
Last Update: 03-Jun-2022 10:16:18 Calib Date: 03-Jun-2022 09:29:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS5\20220602-146048.b\X41882.d

Column 1 : Det: MS SCAN
Process Host: CTX1640

First Level Reviewer: johnstonm1 Date: 03-Jun-2022 10:16:18

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.810	1.816	-0.006	98	119283	50.0	47.1	
	2 N-Nitrosodimethylamine	74	2.034	2.040	-0.006	79	202885	50.0	45.9	
	3 Pyridine	79	2.069	2.075	-0.006	86	609860	100.0	91.5	
	5 Benzaldehyde	77	4.016	4.016	0.000	91	64156	20.0	10.5	
	7 Phenol	94	4.081	4.087	-0.006	98	414622	50.0	47.5	
	8 Aniline	93	4.116	4.122	-0.006	52	505137	50.0	47.6	
	9 Bis(2-chloroethyl)ether	93	4.181	4.181	0.000	90	309423	50.0	46.6	
	11 2-Chlorophenol	128	4.234	4.234	0.000	87	335544	50.0	46.9	
	12 n-Decane	43	4.281	4.281	0.000	96	447799	50.0	47.7	
	13 1,3-Dichlorobenzene	146	4.381	4.381	0.000	94	358587	50.0	47.0	
*	14 1,4-Dichlorobenzene-d4	152	4.434	4.434	0.000	97	197086	40.0	40.0	
	15 1,4-Dichlorobenzene	146	4.451	4.451	0.000	92	363810	50.0	47.6	
	16 Benzyl alcohol	108	4.563	4.563	0.000	91	216763	50.0	48.4	
	17 1,2-Dichlorobenzene	146	4.598	4.598	0.000	90	344149	50.0	47.3	
	18 2-Methylphenol	108	4.663	4.663	0.000	85	289896	50.0	47.4	
	19 2,2'-oxybis[1-chloropropane]	45	4.693	4.693	0.001	75	564148	50.0	48.6	
	20 N-Methylaniline	106	4.810	4.810	0.000	70	486027	NC	NC	
	23 3 & 4 Methylphenol	108	4.810	4.816	-0.006	74	307263	50.0	46.5	
	24 4-Methylphenol	108	4.810	4.816	-0.006	76	307263	50.0	46.5	
	21 Acetophenone	105	4.822	4.822	0.000	84	430396	50.0	46.8	
	22 N-Nitrosodi-n-propylamine	70	4.822	4.822	0.000	78	236807	50.0	46.1	
	25 Hexachloroethane	117	4.916	4.916	0.000	92	138130	50.0	47.1	
	28 Nitrobenzene	123	4.981	4.981	0.000	85	146951	50.0	45.9	
	27 n,n'-Dimethylaniline	120	4.981	4.987	-0.006	84	502318	50.0	47.5	
	31 Isophorone	82	5.210	5.210	0.000	97	620660	50.0	47.3	
	32 2-Nitrophenol	139	5.281	5.281	0.000	88	155183	50.0	48.2	
	33 2,4-Dimethylphenol	122	5.322	5.322	0.000	89	285281	50.0	46.6	
	34 Bis(2-chloroethoxy)methane	93	5.416	5.416	0.000	96	373168	50.0	46.7	
	35 Benzoic acid	122	5.422	5.428	-0.006	38	165821	50.0	47.8	
	36 2,4-Dichlorophenol	162	5.510	5.510	0.000	95	256026	50.0	48.4	
	37 1,2,4-Trichlorobenzene	180	5.592	5.592	0.000	92	277047	50.0	48.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 38 Naphthalene-d8	136	5.645	5.645	0.000	99	741242	40.0	40.0	
39 Naphthalene	128	5.669	5.669	0.000	99	916468	50.0	47.9	
40 4-Chloroaniline	127	5.716	5.716	0.000	91	392554	50.0	47.5	
130 2,6-Dichlorophenol	162	5.722	5.722	0.000	83	240911	50.0	48.0	
41 Hexachlorobutadiene	225	5.787	5.787	0.000	95	158936	50.0	47.3	
42 Caprolactam	113	6.045	6.045	-0.053	87	34428	20.0	19.7	M
43 4-Chloro-3-methylphenol	107	6.175	6.175	0.000	97	257312	50.0	47.1	
44 2-Methylnaphthalene	142	6.322	6.322	0.000	81	605286	50.0	47.7	
45 1-Methylnaphthalene	142	6.416	6.416	0.000	89	551125	50.0	47.4	
46 Hexachlorocyclopentadiene	237	6.475	6.475	0.000	89	204633	50.0	48.7	
47 1,2,4,5-Tetrachlorobenzene	216	6.481	6.481	0.000	95	271325	NC	NC	
48 2-tertbutyl-4-methylphenol	149	6.516	6.516	0.000	73	375590	50.0	49.1	
49 2,4,6-Trichlorophenol	196	6.587	6.587	0.001	88	186693	50.0	51.5	
50 2,4,5-Trichlorophenol	196	6.616	6.616	0.000	86	196145	50.0	49.4	
52 1,1'-Biphenyl	154	6.769	6.769	0.000	97	702337	50.0	49.7	
53 2-Chloronaphthalene	162	6.781	6.786	-0.005	95	536857	50.0	49.6	
54 Phenyl ether	170	6.869	6.869	0.000	84	379817	50.0	49.0	
56 2-Nitroaniline	65	6.875	6.881	-0.006	78	207431	50.0	50.0	
57 1,3-Dimethylnaphthalene	156	6.992	6.992	0.000	89	455650	50.0	52.0	
58 Dimethyl phthalate	163	7.063	7.063	0.000	97	598138	50.0	48.8	
59 Coumarin	146	7.075	7.075	0.000	73	218046	50.0	48.7	
60 2,6-Dinitrotoluene	165	7.110	7.110	-0.006	0	131596	50.0	52.0	a
61 Acenaphthylene	152	7.175	7.175	0.000	96	839063	50.0	47.2	
64 3-Nitroaniline	138	7.269	7.269	0.000	94	156043	50.0	50.3	
* 65 Acenaphthene-d10	164	7.310	7.310	0.000	85	367893	40.0	40.0	
66 3,5-di-tert-butyl-4-hydroxytol	205	7.334	7.334	0.000	85	449543	50.0	50.0	
67 Acenaphthene	154	7.339	7.339	0.000	94	485924	50.0	46.7	
68 2,4-Dinitrophenol	184	7.363	7.363	-0.006	64	130929	100.0	94.8	a
69 4-Nitrophenol	65	7.422	7.428	-0.006	90	228935	100.0	104.1	
70 2,4-Dinitrotoluene	165	7.486	7.492	-0.006	88	177026	50.0	53.5	
71 Dibenzofuran	168	7.504	7.504	0.000	91	736575	50.0	49.4	
72 2,3,4,6-Tetrachlorophenol	232	7.616	7.616	0.000	93	152033	NC	NC	
73 Diethyl phthalate	149	7.734	7.733	0.001	97	627887	50.0	49.4	
75 Fluorene	166	7.822	7.828	-0.006	81	575421	50.0	49.0	
74 4-Chlorophenyl phenyl ether	204	7.828	7.828	0.000	72	266999	50.0	48.9	
76 4-Nitroaniline	138	7.845	7.851	-0.006	93	158612	50.0	50.9	
77 4,6-Dinitro-2-methylphenol	198	7.875	7.875	0.000	44	178718	100.0	110.7	
78 N-Nitrosodiphenylamine	169	7.939	7.939	0.000	96	438229	50.0	49.5	
79 1,2-Diphenylhydrazine	77	7.981	7.981	0.000	93	641291	50.0	50.6	
81 4-Bromophenyl phenyl ether	248	8.286	8.292	-0.006	86	186266	50.0	50.1	
83 Hexachlorobenzene	284	8.339	8.345	-0.006	91	232515	50.0	48.2	
84 Atrazine	200	8.451	8.451	0.000	87	71917	20.0	21.1	
85 Pentachlorophenol	266	8.528	8.528	0.000	89	271121	100.0	105.4	
86 Pentachloronitrobenzene	237	8.539	8.545	-0.006	82	85601	50.0	52.6	
87 n-Octadecane	57	8.628	8.628	0.000	96	459588	50.0	50.0	
* 88 Phenanthrene-d10	188	8.704	8.710	-0.006	99	658712	40.0	40.0	
89 Phenanthrene	178	8.728	8.733	-0.005	98	861393	50.0	49.6	
90 Anthracene	178	8.781	8.780	0.000	97	895399	50.0	50.1	
91 Carbazole	167	8.928	8.933	-0.005	83	839743	50.0	50.4	
92 Di-n-butyl phthalate	149	9.275	9.280	-0.005	99	1054207	50.0	50.3	
93 Fluoranthene	202	9.851	9.857	-0.006	97	958916	50.0	50.8	
94 Benzidine	184	9.986	9.986	0.000	99	579447	50.0	49.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
95 Pyrene	202	10.069	10.069	0.000	97	969947	50.0	51.2	
82 Bisphenol-A	213	10.122	10.122	0.000	96	424270	NC	NC	
97 Butyl benzyl phthalate	149	10.739	10.739	0.000	97	450998	50.0	51.6	
99 Carbamazepine	193	10.839	10.839	0.000	91	400382	NC	NC	
100 3,3'-Dichlorobenzidine	252	11.310	11.310	0.000	99	383238	50.0	53.7	
101 Benzo[a]anthracene	228	11.327	11.327	0.000	100	882158	50.0	48.1	
* 102 Chrysene-d12	240	11.339	11.345	-0.006	98	590501	40.0	40.0	
103 Chrysene	228	11.374	11.374	0.000	95	859796	50.0	50.6	
104 Bis(2-ethylhexyl) phthalate	149	11.410	11.410	0.000	71	647911	50.0	51.3	
105 Di-n-octyl phthalate	149	12.257	12.257	0.000	96	1161667	50.0	51.8	
106 Benzo[b]fluoranthene	252	12.704	12.710	-0.006	97	1074480	50.0	53.2	
107 Benzo[k]fluoranthene	252	12.745	12.751	-0.006	99	996336	50.0	48.9	
108 Benzo[a]pyrene	252	13.157	13.157	0.000	96	1004710	50.0	51.9	
* 109 Perylene-d12	264	13.233	13.239	-0.006	98	720208	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	14.810	14.815	-0.005	99	1062106	50.0	53.5	
111 Dibenz(a,h)anthracene	278	14.857	14.862	-0.005	95	1067325	50.0	50.8	
112 Benzo[g,h,i]perylene	276	15.251	15.257	-0.006	97	1088531	50.0	50.2	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

SV_BNA_ICV_00006 Amount Added: 1.00 Units: mL

Report Date: 03-Jun-2022 10:16:19 Chrom Revision: 2.3 18-May-2022 20:00:04

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS5\20220602-146048.b\X41883.d

Injection Date: 03-Jun-2022 09:53:30 Instrument ID: CBNAMS5

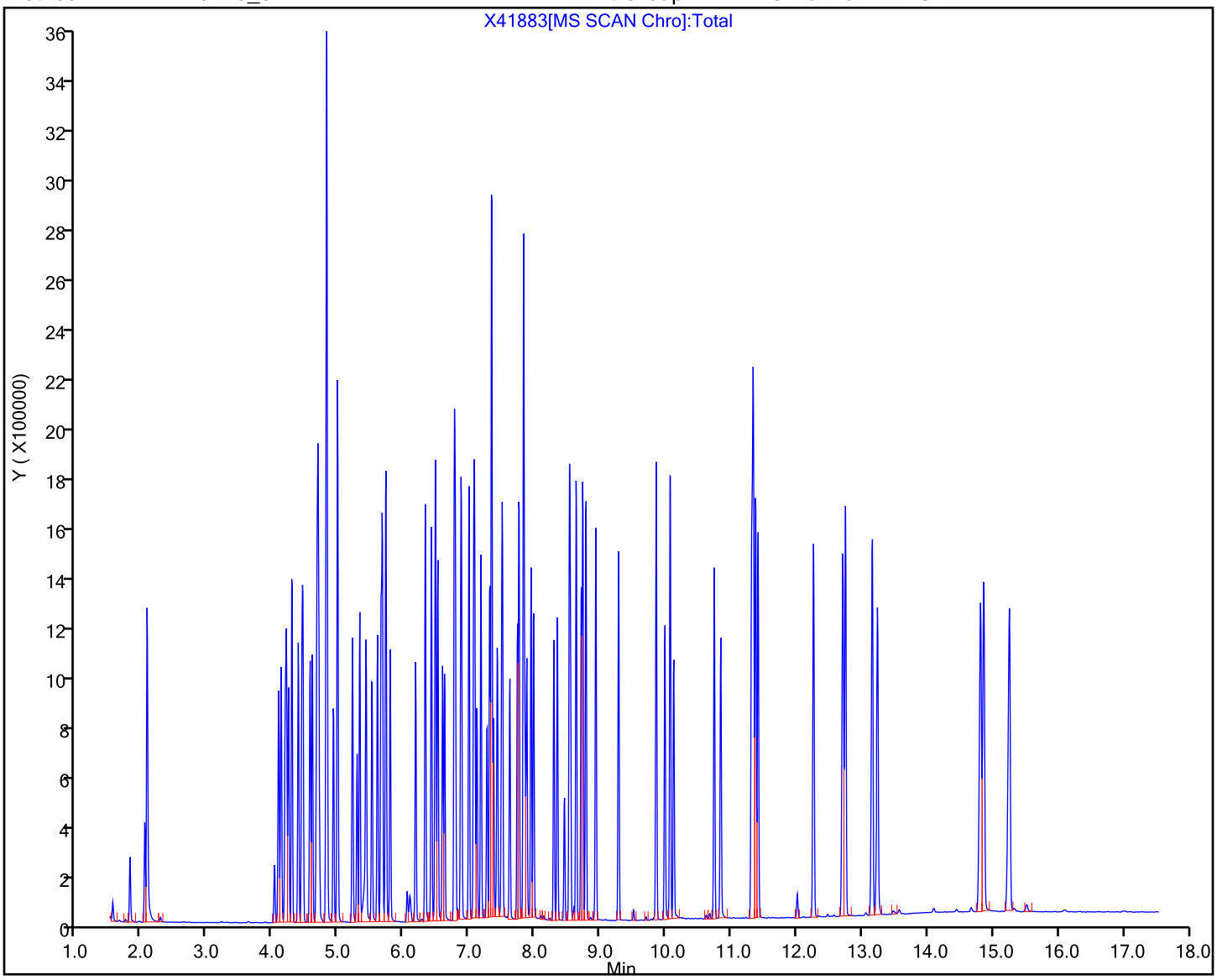
Lims ID: ICV

Client ID:

Operator ID: ALS Bottle#: 11 Worklist Smp#: 11

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8270_5R Limit Group: SV 8270 DEL ICAL



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison | Job No.: 460-260852-1

SDG No.:

Lab Sample ID: CCVIS 460-852810/2 | Calibration Date: 06/29/2022 22:23

Instrument ID: CBNAMS5 | Calib Start Date: 06/03/2022 06:21

GC Column: Rtxi-5Sil MS ID: 0.25(mm) | Calib End Date: 06/03/2022 09:29

Lab File ID: X42504.d | Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5144	0.5087	0.0500	49400	50000	-1.1	25.0
N-Nitrosodimethylamine	Ave	0.8964	0.9623	0.0500	53700	50000	7.3	25.0
Pyridine	Ave	1.352	1.333	0.0500	98600	100000	-1.4	25.0
Benzaldehyde	Ave	1.242	0.8699	0.0500	14000	20000	-29.9*	25.0
Phenol	Ave	1.773	2.080	0.0500	58700	50000	17.3	25.0
Aniline	Ave	2.152	2.314	0.0500	53800	50000	7.5	25.0
Bis(2-chloroethyl)ether	Ave	1.347	1.445	0.0500	53600	50000	7.3	25.0
2-Chlorophenol	Ave	1.451	1.542	0.0500	53100	50000	6.2	25.0
n-Decane	Ave	1.905	2.079	0.0500	54600	50000	9.1	25.0
1,3-Dichlorobenzene	Ave	1.547	1.571	0.0500	50800	50000	1.6	25.0
1,4-Dichlorobenzene	Ave	1.552	1.563	0.0500	50400	50000	0.7	25.0
Benzyl alcohol	Ave	0.9095	0.9935	0.0500	54600	50000	9.2	25.0
1,2-Dichlorobenzene	Ave	1.475	1.496	0.0500	50700	50000	1.4	25.0
2-Methylphenol	Ave	1.242	1.282	0.0500	51600	50000	3.2	25.0
2,2'-oxybis[1-chloropropane]	Ave	2.357	2.726	0.0500	57800	50000	15.7	25.0
Acetophenone	Ave	1.867	2.024	0.0500	54200	50000	8.4	25.0
N-Nitrosodi-n-propylamine	Ave	1.042	1.119	0.0500	53700	50000	7.4	25.0
3 & 4 Methylphenol	Ave	1.342	1.462	0.0500	54500	50000	8.9	25.0
4-Methylphenol	Ave	1.342	1.462	0.0500	54500	50000	8.9	25.0
Hexachloroethane	Ave	0.5949	0.6277	0.0500	52800	50000	5.5	25.0
n,n'-Dimethylaniline	Ave	2.146	2.169	0.0500	50500	50000	1.0	25.0
Nitrobenzene	Ave	0.6504	0.7024	0.0500	54000	50000	8.0	25.0
Isophorone	Ave	0.7088	0.7796	0.0500	55000	50000	10.0	25.0
2-Nitrophenol	Ave	0.1736	0.2111	0.0500	60800	50000	21.6	25.0
2,4-Dimethylphenol	Ave	0.3305	0.3356	0.0500	50800	50000	1.6	25.0
Bis(2-chloroethoxy)methane	Ave	0.4315	0.4555	0.0500	52800	50000	5.5	25.0
Benzoic acid	Lin2		0.2260	0.0500	59500	50000	19.1	25.0
2,4-Dichlorophenol	Ave	0.2854	0.3043	0.0500	53300	50000	6.6	25.0
1,2,4-Trichlorobenzene	Ave	0.3063	0.3216	0.0500	52500	50000	5.0	25.0
Naphthalene	Ave	1.032	1.065	0.0500	51600	50000	3.2	25.0
4-Chloroaniline	Ave	0.4461	0.4650	0.0500	52100	50000	4.2	25.0
Hexachlorobutadiene	Ave	0.1814	0.1830	0.0500	50500	50000	0.9	25.0
Caprolactam	Ave	0.0944	0.1062	0.0500	22500	20000	12.5	25.0
4-Chloro-3-methylphenol	Ave	0.2946	0.3274	0.0500	55600	50000	11.1	25.0
2-Methylnaphthalene	Ave	0.6844	0.6839	0.0500	50000	50000	-0.0	25.0
1-Methylnaphthalene	Ave	0.6278	0.6458	0.0500	51400	50000	2.9	25.0
Hexachlorocyclopentadiene	Ave	0.4568	0.4360	0.0500	47700	50000	-4.6	25.0
2-tertbutyl-4-methylphenol	Ave	0.4126	0.4385	0.0500	53100	50000	6.3	25.0
2,4,6-Trichlorophenol	Ave	0.3938	0.4356	0.0500	55300	50000	10.6	25.0
2,4,5-Trichlorophenol	Ave	0.4319	0.4653	0.0500	53900	50000	7.7	25.0
1,1'-Biphenyl	Ave	1.536	1.575	0.0500	51300	50000	2.5	25.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-260852-1

SDG No.:

Lab Sample ID: CCVIS 460-852810/2 Calibration Date: 06/29/2022 22:23

Instrument ID: CBNAMS5 Calib Start Date: 06/03/2022 06:21

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 06/03/2022 09:29

Lab File ID: X42504.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-Chloronaphthalene	Ave	1.177	1.222	0.0500	51900	50000	3.9	25.0
Phenyl ether	Ave	0.8428	0.8559	0.0500	50800	50000	1.6	25.0
2-Nitroaniline	Ave	0.4508	0.5539	0.0500	61400	50000	22.9	25.0
1,3-Dimethylnaphthalene	Ave	0.9536	0.9842	0.0500	51600	50000	3.2	25.0
Dimethyl phthalate	Ave	1.334	1.451	0.0500	54400	50000	8.8	25.0
Coumarin	Ave	0.2418	0.2659	0.0500	55000	50000	10.0	25.0
2,6-Dinitrotoluene	Ave	0.2754	0.3250	0.0500	59000	50000	18.0	25.0
Acenaphthylene	Ave	1.932	1.878	0.0500	48600	50000	-2.8	25.0
3-Nitroaniline	Ave	0.3372	0.4026	0.0500	59700	50000	19.4	25.0
3,5-di-tert-butyl-4-hydroxytol	Ave	0.9781	0.9853	0.0500	50400	50000	0.7	25.0
Acenaphthene	Ave	1.132	1.098	0.0500	48500	50000	-3.0	25.0
2,4-Dinitrophenol	Lin1		0.1960	0.0500	129000	100000	29.1*	25.0
4-Nitrophenol	Ave	0.2390	0.2793	0.0500	117000	100000	16.9	25.0
2,4-Dinitrotoluene	Ave	0.3597	0.4358	0.0500	60600	50000	21.2	25.0
Dibenzofuran	Ave	1.621	1.667	0.0500	51400	50000	2.8	25.0
Diethyl phthalate	Ave	1.381	1.493	0.0500	54000	50000	8.1	25.0
Fluorene	Ave	1.276	1.366	0.0500	53600	50000	7.1	25.0
4-Chlorophenyl phenyl ether	Ave	0.5935	0.6297	0.0500	53100	50000	6.1	25.0
4-Nitroaniline	Ave	0.3390	0.3850	0.0500	56800	50000	13.6	25.0
4,6-Dinitro-2-methylphenol	Ave	0.0980	0.1323	0.0500	135000	100000	35.0*	25.0
N-Nitrosodiphenylamine	Ave	0.5373	0.5454	0.0500	50800	50000	1.5	25.0
1,2-Diphenylhydrazine	Ave	0.7700	0.8158	0.0500	53000	50000	5.9	25.0
4-Bromophenyl phenyl ether	Ave	0.2257	0.2293	0.0500	50800	50000	1.6	25.0
Hexachlorobenzene	Ave	0.2928	0.2951	0.0500	50400	50000	0.8	25.0
Atrazine	Ave	0.2069	0.2141	0.0500	20700	20000	3.5	25.0
Pentachlorophenol	Ave	0.1562	0.1738	0.0500	111000	100000	11.3	25.0
Pentachloronitrobenzene	Ave	0.0987	0.1077	0.0500	54500	50000	9.1	25.0
n-Octadecane	Ave	0.5578	0.5729	0.0500	51400	50000	2.7	25.0
Phenanthrene	Ave	1.055	1.073	0.0500	50900	50000	1.8	25.0
Anthracene	Ave	1.085	1.114	0.0500	51400	50000	2.7	25.0
Carbazole	Ave	1.011	1.034	0.0500	51200	50000	2.3	25.0
Di-n-butyl phthalate	Ave	1.272	1.331	0.0500	52300	50000	4.6	25.0
Fluoranthene	Ave	1.147	1.177	0.0500	51300	50000	2.6	25.0
Benzidine	Ave	0.7093	0.6374	0.0500	44900	50000	-10.1	25.0
Pyrene	Ave	1.283	1.311	0.0500	51100	50000	2.2	25.0
Butyl benzyl phthalate	Ave	0.5924	0.6381	0.0500	53900	50000	7.7	25.0
2,3,7,8-TCDD	Ave	0.2101	0.2106	0.0500	501	500	0.3	25.0
3,3'-Dichlorobenzidine	Ave	0.4830	0.5301	0.0500	54900	50000	9.7	25.0
Benzo[a]anthracene	Ave	1.243	1.252	0.0500	50400	50000	0.8	25.0
Chrysene	Ave	1.150	1.163	0.0500	50600	50000	1.1	25.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison | Job No.: 460-260852-1

SDG No.:

Lab Sample ID: CCVIS 460-852810/2 | Calibration Date: 06/29/2022 22:23

Instrument ID: CBNAMS5 | Calib Start Date: 06/03/2022 06:21

GC Column: Rtxi-5Sil MS ID: 0.25(mm) | Calib End Date: 06/03/2022 09:29

Lab File ID: X42504.d | Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Bis(2-ethylhexyl) phthalate	Ave	0.8554	0.9015	0.0500	52700	50000	5.4	25.0
Di-n-octyl phthalate	Ave	1.246	1.368	0.0500	54900	50000	9.8	25.0
Benzo[b]fluoranthene	Ave	1.123	1.255	0.0500	55900	50000	11.8	25.0
Benzo[k]fluoranthene	Ave	1.131	1.149	0.0500	50800	50000	1.6	25.0
Benzo[a]pyrene	Ave	1.076	1.051	0.0500	48900	50000	-2.3	25.0
Indeno[1,2,3-cd]pyrene	Ave	1.102	1.247	0.0500	56600	50000	13.2	25.0
Dibenz(a,h)anthracene	Ave	1.167	1.264	0.0500	54200	50000	8.3	25.0
Benzo[g,h,i]perylene	Ave	1.204	1.275	0.0500	53000	50000	5.9	25.0
2-Fluorophenol (Surr)	Ave	1.469	1.507	0.0500	51300	50000	2.6	25.0
Phenol-d5 (Surr)	Ave	1.803	1.922	0.0500	53300	50000	6.6	25.0
Nitrobenzene-d5 (Surr)	Ave	0.4237	0.4486	0.0500	52900	50000	5.9	25.0
2-Fluorobiphenyl	Ave	1.548	1.489	0.0500	48100	50000	-3.8	25.0
2,4,6-Tribromophenol (Surr)	Ave	0.3165	0.3599	0.0500	56900	50000	13.7	25.0
Terphenyl-d14 (Surr)	Ave	1.143	1.109	0.0500	48500	50000	-3.0	25.0

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42504.d
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 29-Jun-2022 22:23:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0147251-002
Operator ID: Instrument ID: CBNAMS5
Sublist: chrom-8270_5R*sub40

Method: \\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\8270_5R.m
Limit Group: SV 8270 DEL ICAL
Last Update: 30-Jun-2022 12:10:15 Calib Date: 03-Jun-2022 09:29:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS5\20220602-146048.b\X41882.d

Column 1 : Det: MS SCAN
Process Host: CTX1633

First Level Reviewer: maheseep Date: 30-Jun-2022 16:21:12

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.699	1.699	0.000	98	100034	50.0	49.4	
	2 N-Nitrosodimethylamine	74	1.928	1.928	0.000	77	189242	50.0	53.7	
	3 Pyridine	79	1.952	1.952	0.000	83	524224	100.0	98.6	
$	4 2-Fluorophenol	112	3.052	3.052	0.000	92	296451	50.0	51.3	
	5 Benzaldehyde	77	3.893	3.893	0.000	90	68429	20.0	14.0	
$	6 Phenol-d5	99	3.957	3.957	0.000	94	378028	50.0	53.3	
	7 Phenol	94	3.975	3.975	0.000	94	409056	50.0	58.7	a
	8 Aniline	93	3.993	3.993	0.000	97	455130	50.0	53.8	
	9 Bis(2-chloroethyl)ether	93	4.051	4.051	0.000	89	284104	50.0	53.6	
	11 2-Chlorophenol	128	4.110	4.110	0.000	87	303192	50.0	53.1	
	12 n-Decane	43	4.151	4.151	0.000	92	408813	50.0	54.6	
	13 1,3-Dichlorobenzene	146	4.251	4.251	0.000	93	309020	50.0	50.8	
*	14 1,4-Dichlorobenzene-d4	152	4.304	4.304	0.000	97	157330	40.0	40.0	
	15 1,4-Dichlorobenzene	146	4.322	4.322	0.000	90	307346	50.0	50.4	
	16 Benzyl alcohol	108	4.440	4.440	0.000	89	195377	50.0	54.6	
	17 1,2-Dichlorobenzene	146	4.469	4.469	0.000	90	294177	50.0	50.7	
	18 2-Methylphenol	108	4.551	4.551	0.000	73	252036	50.0	51.6	
	19 2,2'-oxybis[1-chloropropane]	45	4.569	4.569	0.000	92	536172	50.0	57.8	a
	20 N-Methylaniline	106	4.687	4.687	0.000	80	451591	NC	NC	
	22 N-Nitrosodi-n-propylamine	70	4.698	4.698	0.000	77	220053	50.0	53.7	
	21 Acetophenone	105	4.698	4.698	0.000	79	397974	50.0	54.2	
	23 3 & 4 Methylphenol	108	4.704	4.704	0.000	77	287424	50.0	54.5	
	24 4-Methylphenol	108	4.704	4.704	0.000	79	287424	50.0	54.5	
	25 Hexachloroethane	117	4.787	4.787	0.000	94	123447	50.0	52.8	
$	26 Nitrobenzene-d5	82	4.840	4.840	0.000	92	342137	50.0	52.9	
	28 Nitrobenzene	123	4.857	4.857	0.000	86	138141	50.0	54.0	
	27 n,n'-Dimethylaniline	120	4.857	4.857	0.000	81	426481	50.0	50.5	
	31 Isophorone	82	5.087	5.087	0.000	98	594529	50.0	55.0	
	32 2-Nitrophenol	139	5.157	5.157	0.000	83	160960	50.0	60.8	
	33 2,4-Dimethylphenol	122	5.210	5.210	0.000	79	255964	50.0	50.8	
	34 Bis(2-chloroethoxy)methane	93	5.293	5.293	0.000	95	347372	50.0	52.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.328	5.328	0.000	88	172393	50.0	59.5	
36 2,4-Dichlorophenol	162	5.393	5.393	0.000	93	232079	50.0	53.3	
37 1,2,4-Trichlorobenzene	180	5.469	5.469	0.000	94	245288	50.0	52.5	
* 38 Naphthalene-d8	136	5.522	5.522	0.000	98	610118	40.0	40.0	
39 Naphthalene	128	5.540	5.540	0.000	98	811872	50.0	51.6	
40 4-Chloroaniline	127	5.598	5.598	0.000	90	354619	50.0	52.1	
130 2,6-Dichlorophenol	162	5.604	5.604	0.000	82	216476	50.0	52.4	
41 Hexachlorobutadiene	225	5.657	5.657	0.000	93	139597	50.0	50.5	
42 Caprolactam	113	5.981	5.981	0.000	86	32383	20.0	22.5	Ma
43 4-Chloro-3-methylphenol	107	6.069	6.069	0.000	97	249700	50.0	55.6	
44 2-Methylnaphthalene	142	6.198	6.198	0.000	83	521574	50.0	50.0	
45 1-Methylnaphthalene	142	6.292	6.292	0.000	89	492484	50.0	51.4	
46 Hexachlorocyclopentadiene	237	6.345	6.345	0.000	82	173032	50.0	47.7	
47 1,2,4,5-Tetrachlorobenzene	216	6.357	6.357	0.000	95	246666	NC	NC	
48 2-tertbutyl-4-methylphenol	149	6.398	6.398	0.000	74	334394	50.0	53.1	
49 2,4,6-Trichlorophenol	196	6.475	6.475	0.000	89	172891	50.0	55.3	
50 2,4,5-Trichlorophenol	196	6.510	6.510	0.000	93	184668	50.0	53.9	
$ 51 2-Fluorobiphenyl	172	6.551	6.551	0.000	91	591149	50.0	48.1	
52 1,1'-Biphenyl	154	6.645	6.645	0.000	97	625092	50.0	51.3	
53 2-Chloronaphthalene	162	6.663	6.663	0.000	95	485136	50.0	51.9	
54 Phenyl ether	170	6.745	6.745	0.000	85	339715	50.0	50.8	
56 2-Nitroaniline	65	6.763	6.763	0.000	95	219830	50.0	61.4	
57 1,3-Dimethylnaphthalene	156	6.869	6.869	0.000	89	390642	50.0	51.6	
58 Dimethyl phthalate	163	6.945	6.945	0.000	97	576009	50.0	54.4	
59 Coumarin	146	6.957	6.957	0.000	76	202824	50.0	55.0	
60 2,6-Dinitrotoluene	165	6.998	6.998	0.000	15	128984	50.0	59.0	
61 Acenaphthylene	152	7.051	7.051	0.000	96	745465	50.0	48.6	
64 3-Nitroaniline	138	7.151	7.151	0.000	91	159780	50.0	59.7	
* 65 Acenaphthene-d10	164	7.181	7.181	0.000	86	317526	40.0	40.0	
66 3,5-di-tert-butyl-4-hydroxytol	205	7.210	7.210	0.000	79	391087	50.0	50.4	
67 Acenaphthene	154	7.216	7.216	0.000	95	435658	50.0	48.5	
68 2,4-Dinitrophenol	184	7.257	7.257	0.000	66	155625	100.0	129.1	
69 4-Nitrophenol	65	7.334	7.334	0.000	89	221713	100.0	116.9	
70 2,4-Dinitrotoluene	165	7.381	7.381	0.000	46	172976	50.0	60.6	
71 Dibenzofuran	168	7.381	7.381	0.000	91	661601	50.0	51.4	
72 2,3,4,6-Tetrachlorophenol	232	7.498	7.498	0.000	92	150495	NC	NC	
73 Diethyl phthalate	149	7.610	7.610	0.000	97	592609	50.0	54.0	
75 Fluorene	166	7.698	7.698	0.000	81	542348	50.0	53.6	
74 4-Chlorophenyl phenyl ether	204	7.704	7.704	0.000	73	249935	50.0	53.1	
76 4-Nitroaniline	138	7.739	7.739	0.000	51	152820	50.0	56.8	
77 4,6-Dinitro-2-methylphenol	198	7.769	7.769	0.000	72	198132	100.0	135.0	
78 N-Nitrosodiphenylamine	169	7.822	7.822	0.000	98	408354	50.0	50.8	
79 1,2-Diphenylhydrazine	77	7.857	7.857	0.000	95	610755	50.0	53.0	
$ 80 2,4,6-Tribromophenol	330	7.928	7.928	0.000	94	142851	50.0	56.9	
81 4-Bromophenyl phenyl ether	248	8.163	8.163	0.000	86	171670	50.0	50.8	
83 Hexachlorobenzene	284	8.222	8.222	0.000	93	220911	50.0	50.4	
84 Atrazine	200	8.328	8.328	0.000	84	64127	20.0	20.7	
85 Pentachlorophenol	266	8.410	8.410	0.000	90	260200	100.0	111.3	
86 Pentachloronitrobenzene	237	8.422	8.422	0.000	76	80625	50.0	54.5	
87 n-Octadecane	57	8.504	8.504	0.000	96	428908	50.0	51.4	
* 88 Phenanthrene-d10	188	8.581	8.581	0.000	99	598956	40.0	40.0	
89 Phenanthrene	178	8.604	8.604	0.000	98	803503	50.0	50.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
90 Anthracene	178	8.651	8.651	0.000	97	834309	50.0	51.4	
91 Carbazole	167	8.810	8.810	0.000	83	774489	50.0	51.2	
92 Di-n-butyl phthalate	149	9.151	9.151	0.000	99	996201	50.0	52.3	
93 Fluoranthene	202	9.728	9.728	0.000	97	881432	50.0	51.3	
94 Benzidine	184	9.857	9.857	0.000	99	477194	50.0	44.9	
95 Pyrene	202	9.939	9.939	0.000	96	908849	50.0	51.1	
82 Bisphenol-A	213	9.998	9.998	0.000	97	435500	NC	NC	
$ 96 Terphenyl-d14	244	10.098	10.098	0.000	98	768608	50.0	48.5	
97 Butyl benzyl phthalate	149	10.592	10.592	0.000	97	442350	50.0	53.9	
98 2,3,7,8-TCDD	320	10.675	10.675	0.000	35	1460	0.5000	0.5013	
99 Carbamazepine	193	10.692	10.692	0.000	91	399014	NC	NC	
100 3,3'-Dichlorobenzidine	252	11.157	11.157	0.000	99	367475	50.0	54.9	
101 Benzo[a]anthracene	228	11.175	11.175	0.000	100	868013	50.0	50.4	
* 102 Chrysene-d12	240	11.186	11.186	0.000	98	554565	40.0	40.0	
103 Chrysene	228	11.216	11.216	0.000	95	806464	50.0	50.6	
104 Bis(2-ethylhexyl) phthalate	149	11.245	11.245	0.000	85	624904	50.0	52.7	
105 Di-n-octyl phthalate	149	12.069	12.069	0.000	96	1112490	50.0	54.9	
106 Benzo[b]fluoranthene	252	12.522	12.522	0.000	98	1020318	50.0	55.9	
107 Benzo[k]fluoranthene	252	12.563	12.563	0.000	99	934077	50.0	50.8	
108 Benzo[a]pyrene	252	12.969	12.969	0.000	96	855005	50.0	48.9	
* 109 Perylene-d12	264	13.045	13.045	0.000	98	650585	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	14.580	14.580	0.000	99	1013939	50.0	56.6	
111 Dibenz(a,h)anthracene	278	14.621	14.621	0.000	96	1027983	50.0	54.2	
112 Benzo[g,h,i]perylene	276	14.998	14.998	0.000	96	1037139	50.0	53.0	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

a - User Assigned ID

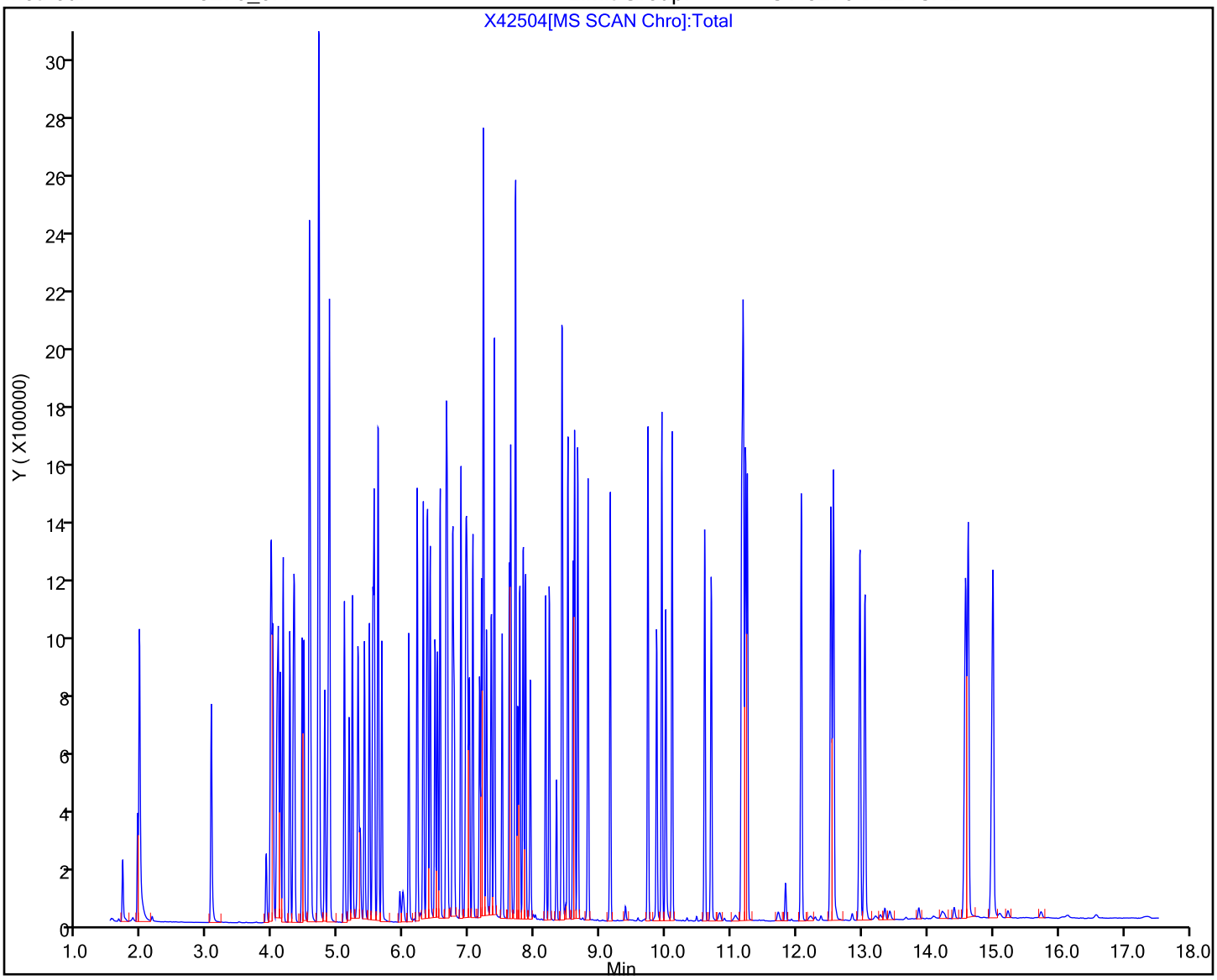
Reagents:

SV_BNA_L7_00004 Amount Added: 1.00 Units: mL

Report Date: 30-Jun-2022 12:10:18 Chrom Revision: 2.3 20-Jun-2022 20:10:40

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42504.d
Injection Date: 29-Jun-2022 22:23:30 Instrument ID: CBNAMS5
Lims ID: CCVIS
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_5R Limit Group: SV 8270 DEL ICAL



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison | Job No.: 460-260852-1

SDG No.:

Lab Sample ID: CCV 460-852810/33 | Calibration Date: 06/30/2022 10:32

Instrument ID: CBNAMS5 | Calib Start Date: 06/03/2022 06:21

GC Column: Rtxi-5Sil MS ID: 0.25(mm) | Calib End Date: 06/03/2022 09:29

Lab File ID: X42535.d | Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5144	0.4792	0.0500	46600	50000	-6.8	25.0
N-Nitrosodimethylamine	Ave	0.8964	0.9450	0.0500	52700	50000	5.4	25.0
Pyridine	Ave	1.352	1.312	0.0500	97000	100000	-3.0	25.0
Benzaldehyde	Ave	1.242	0.9003	0.0500	14500	20000	-27.5*	25.0
Phenol	Ave	1.773	2.080	0.0500	58600	50000	17.3	25.0
Aniline	Ave	2.152	2.326	0.0500	54000	50000	8.1	25.0
Bis(2-chloroethyl)ether	Ave	1.347	1.454	0.0500	54000	50000	7.9	25.0
2-Chlorophenol	Ave	1.451	1.559	0.0500	53700	50000	7.4	25.0
n-Decane	Ave	1.905	2.104	0.0500	55200	50000	10.5	25.0
1,3-Dichlorobenzene	Ave	1.547	1.595	0.0500	51500	50000	3.1	25.0
1,4-Dichlorobenzene	Ave	1.552	1.601	0.0500	51600	50000	3.2	25.0
Benzyl alcohol	Ave	0.9095	1.026	0.0500	56400	50000	12.8	25.0
1,2-Dichlorobenzene	Ave	1.475	1.544	0.0500	52300	50000	4.6	25.0
2-Methylphenol	Ave	1.242	1.317	0.0500	53000	50000	6.1	25.0
2,2'-oxybis[1-chloropropane]	Ave	2.357	2.736	0.0500	58000	50000	16.1	25.0
Acetophenone	Ave	1.867	2.054	0.0500	55000	50000	10.0	25.0
N-Nitrosodi-n-propylamine	Ave	1.042	1.135	0.0500	54500	50000	8.9	25.0
3 & 4 Methylphenol	Ave	1.342	1.508	0.0500	56200	50000	12.4	25.0
4-Methylphenol	Ave	1.342	1.508	0.0500	56200	50000	12.4	25.0
Hexachloroethane	Ave	0.5949	0.6091	0.0500	51200	50000	2.4	25.0
n,n'-Dimethylaniline	Ave	2.146	2.204	0.0500	51400	50000	2.7	25.0
Nitrobenzene	Ave	0.6504	0.7179	0.0500	55200	50000	10.4	25.0
Isophorone	Ave	0.7088	0.7631	0.0500	53800	50000	7.7	25.0
2-Nitrophenol	Ave	0.1736	0.2013	0.0500	58000	50000	16.0	25.0
2,4-Dimethylphenol	Ave	0.3305	0.3356	0.0500	50800	50000	1.5	25.0
Bis(2-chloroethoxy)methane	Ave	0.4315	0.4503	0.0500	52200	50000	4.4	25.0
Benzoic acid	Lin2		0.2547	0.0500	66700	50000	33.4*	25.0
2,4-Dichlorophenol	Ave	0.2854	0.3015	0.0500	52800	50000	5.6	25.0
1,2,4-Trichlorobenzene	Ave	0.3063	0.3162	0.0500	51600	50000	3.2	25.0
Naphthalene	Ave	1.032	1.057	0.0500	51200	50000	2.5	25.0
4-Chloroaniline	Ave	0.4461	0.4748	0.0500	53200	50000	6.4	25.0
Hexachlorobutadiene	Ave	0.1814	0.1756	0.0500	48400	50000	-3.2	25.0
Caprolactam	Ave	0.0944	0.1023	0.0500	21700	20000	8.4	25.0
4-Chloro-3-methylphenol	Ave	0.2946	0.3347	0.0500	56800	50000	13.6	25.0
2-Methylnaphthalene	Ave	0.6844	0.6811	0.0500	49800	50000	-0.5	25.0
1-Methylnaphthalene	Ave	0.6278	0.6406	0.0500	51000	50000	2.0	25.0
Hexachlorocyclopentadiene	Ave	0.4568	0.2021	0.0500	22100	50000	-55.8*	25.0
2-tertbutyl-4-methylphenol	Ave	0.4126	0.4241	0.0500	51400	50000	2.8	25.0
2,4,6-Trichlorophenol	Ave	0.3938	0.4131	0.0500	52500	50000	4.9	25.0
2,4,5-Trichlorophenol	Ave	0.4319	0.4682	0.0500	54200	50000	8.4	25.0
1,1'-Biphenyl	Ave	1.536	1.559	0.0500	50700	50000	1.4	25.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison | Job No.: 460-260852-1

SDG No.:

Lab Sample ID: CCV 460-852810/33 | Calibration Date: 06/30/2022 10:32

Instrument ID: CBNAMS5 | Calib Start Date: 06/03/2022 06:21

GC Column: Rtxi-5Sil MS ID: 0.25(mm) | Calib End Date: 06/03/2022 09:29

Lab File ID: X42535.d | Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-Chloronaphthalene	Ave	1.177	1.219	0.0500	51800	50000	3.6	25.0
Phenyl ether	Ave	0.8428	0.8532	0.0500	50600	50000	1.2	25.0
2-Nitroaniline	Ave	0.4508	0.5649	0.0500	62700	50000	25.3*	25.0
1,3-Dimethylnaphthalene	Ave	0.9536	0.9864	0.0500	51700	50000	3.4	25.0
Dimethyl phthalate	Ave	1.334	1.395	0.0500	52300	50000	4.6	25.0
Coumarin	Ave	0.2418	0.2579	0.0500	53300	50000	6.7	25.0
2,6-Dinitrotoluene	Ave	0.2754	0.3149	0.0500	57200	50000	14.3	25.0
Acenaphthylene	Ave	1.932	1.870	0.0500	48400	50000	-3.2	25.0
3-Nitroaniline	Ave	0.3372	0.3900	0.0500	57800	50000	15.7	25.0
3,5-di-tert-butyl-4-hydroxytol	Ave	0.9781	0.9531	0.0500	48700	50000	-2.6	25.0
Acenaphthene	Ave	1.132	1.095	0.0500	48400	50000	-3.2	25.0
2,4-Dinitrophenol	Lin1		0.1060	0.0500	71500	100000	-28.5*	25.0
4-Nitrophenol	Ave	0.2390	0.3088	0.0500	129000	100000	29.2*	25.0
2,4-Dinitrotoluene	Ave	0.3597	0.4204	0.0500	58400	50000	16.9	25.0
Dibenzofuran	Ave	1.621	1.657	0.0500	51100	50000	2.2	25.0
Diethyl phthalate	Ave	1.381	1.451	0.0500	52500	50000	5.0	25.0
4-Chlorophenyl phenyl ether	Ave	0.5935	0.6049	0.0500	51000	50000	1.9	25.0
Fluorene	Ave	1.276	1.331	0.0500	52200	50000	4.3	25.0
4-Nitroaniline	Ave	0.3390	0.3796	0.0500	56000	50000	12.0	25.0
4,6-Dinitro-2-methylphenol	Ave	0.0980	0.0816	0.0500	83200	100000	-16.8	25.0
N-Nitrosodiphenylamine	Ave	0.5373	0.5501	0.0500	51200	50000	2.4	25.0
1,2-Diphenylhydrazine	Ave	0.7700	0.8551	0.0500	55500	50000	11.0	25.0
4-Bromophenyl phenyl ether	Ave	0.2257	0.2311	0.0500	51200	50000	2.4	25.0
Hexachlorobenzene	Ave	0.2928	0.3020	0.0500	51600	50000	3.2	25.0
Atrazine	Ave	0.2069	0.2162	0.0500	20900	20000	4.5	25.0
Pentachlorophenol	Ave	0.1562	0.1724	0.0500	110000	100000	10.4	25.0
Pentachloronitrobenzene	Ave	0.0987	0.1068	0.0500	54100	50000	8.1	25.0
n-Octadecane	Ave	0.5578	0.5959	0.0500	53400	50000	6.8	25.0
Phenanthrene	Ave	1.055	1.083	0.0500	51300	50000	2.7	25.0
Anthracene	Ave	1.085	1.115	0.0500	51400	50000	2.8	25.0
Carbazole	Ave	1.011	1.046	0.0500	51700	50000	3.4	25.0
Di-n-butyl phthalate	Ave	1.272	1.324	0.0500	52000	50000	4.1	25.0
Fluoranthene	Ave	1.147	1.194	0.0500	52100	50000	4.1	25.0
Benzidine	Ave	0.7093	0.5794	0.0500	40800	50000	-18.3	25.0
Pyrene	Ave	1.283	1.334	0.0500	52000	50000	4.0	25.0
Butyl benzyl phthalate	Ave	0.5924	0.6408	0.0500	54100	50000	8.2	25.0
2,3,7,8-TCDD	Ave	0.2101	0.2711	0.0500	645	500	29.0*	25.0
3,3'-Dichlorobenzidine	Ave	0.4830	0.5032	0.0500	52100	50000	4.2	25.0
Benzo[a]anthracene	Ave	1.243	1.279	0.0500	51500	50000	3.0	25.0
Chrysene	Ave	1.150	1.169	0.0500	50800	50000	1.6	25.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-260852-1

SDG No.:

Lab Sample ID: CCV 460-852810/33 Calibration Date: 06/30/2022 10:32

Instrument ID: CBNAMS5 Calib Start Date: 06/03/2022 06:21

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 06/03/2022 09:29

Lab File ID: X42535.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Bis(2-ethylhexyl) phthalate	Ave	0.8554	0.8931	0.0500	52200	50000	4.4	25.0
Di-n-octyl phthalate	Ave	1.246	1.517	0.0500	60900	50000	21.8	25.0
Benzo[b]fluoranthene	Ave	1.123	1.242	0.0500	55300	50000	10.7	25.0
Benzo[k]fluoranthene	Ave	1.131	1.324	0.0500	58500	50000	17.0	25.0
Benzo[a]pyrene	Ave	1.076	1.050	0.0500	48800	50000	-2.4	25.0
Indeno[1,2,3-cd]pyrene	Ave	1.102	0.9526	0.0500	43200	50000	-13.5	25.0
Dibenz(a,h)anthracene	Ave	1.167	1.012	0.0500	43400	50000	-13.2	25.0
Benzo[g,h,i]perylene	Ave	1.204	0.9329	0.0500	38700	50000	-22.5	25.0
2-Fluorophenol (Surr)	Ave	1.469	1.519	0.0500	51700	50000	3.4	25.0
Phenol-d5 (Surr)	Ave	1.803	1.962	0.0500	54400	50000	8.8	25.0
Nitrobenzene-d5 (Surr)	Ave	0.4237	0.4413	0.0500	52100	50000	4.2	25.0
2-Fluorobiphenyl	Ave	1.548	1.503	0.0500	48600	50000	-2.9	25.0
2,4,6-Tribromophenol (Surr)	Ave	0.3165	0.3536	0.0500	55800	50000	11.7	25.0
Terphenyl-d14 (Surr)	Ave	1.143	1.097	0.0500	48000	50000	-4.1	25.0

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42535.d
Lims ID: ccv
Client ID:
Sample Type: CCV
Inject. Date: 30-Jun-2022 10:32:30 ALS Bottle#: 33 Worklist Smp#: 33
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0147251-033
Operator ID: Instrument ID: CBNAMS5
Sublist: chrom-8270_5R*sub40

Method: \\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\8270_5R.m
Limit Group: SV 8270 DEL ICAL
Last Update: 01-Jul-2022 08:54:30 Calib Date: 03-Jun-2022 09:29:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS5\20220602-146048.b\X41882.d

Column 1 : Det: MS SCAN
Process Host: CTX1656

First Level Reviewer: LKI7 Date: 30-Jun-2022 11:56:15

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.699	1.699	-0.001	98	109093	50.0	46.6	
	2 N-Nitrosodimethylamine	74	1.928	1.928	0.000	78	215115	50.0	52.7	
	3 Pyridine	79	1.957	1.952	0.005	84	597265	100.0	97.0	
$	4 2-Fluorophenol	112	3.057	3.052	0.005	91	345811	50.0	51.7	
	5 Benzaldehyde	77	3.892	3.893	-0.001	90	81975	20.0	14.5	
$	6 Phenol-d5	99	3.969	3.957	0.012	92	446664	50.0	54.4	
	7 Phenol	94	3.981	3.981	0.006	92	473455	50.0	58.6	
	8 Aniline	93	3.998	3.993	0.005	95	529473	50.0	54.0	
	9 Bis(2-chloroethyl)ether	93	4.057	4.051	0.006	89	330936	50.0	54.0	
	11 2-Chlorophenol	128	4.116	4.110	0.006	88	354841	50.0	53.7	
	12 n-Decane	43	4.151	4.151	0.000	91	479057	50.0	55.2	
	13 1,3-Dichlorobenzene	146	4.257	4.251	0.006	93	362988	50.0	51.5	
*	14 1,4-Dichlorobenzene-d4	152	4.310	4.304	0.006	98	182114	40.0	40.0	
	15 1,4-Dichlorobenzene	146	4.328	4.322	0.006	91	364563	50.0	51.6	
	16 Benzyl alcohol	108	4.445	4.440	0.005	88	233518	50.0	56.4	
	17 1,2-Dichlorobenzene	146	4.469	4.469	0.000	92	351399	50.0	52.3	
	18 2-Methylphenol	108	4.563	4.551	0.012	80	299825	50.0	53.0	
	19 2,2'-oxybis[1-chloropropane]	45	4.575	4.569	0.006	91	622909	50.0	58.0	
	20 N-Methylaniline	106	4.692	4.687	0.005	85	539706	NC	NC	
	22 N-Nitrosodi-n-propylamine	70	4.704	4.698	0.006	79	258343	50.0	54.5	
	21 Acetophenone	105	4.704	4.698	0.006	80	467571	50.0	55.0	
	23 3 & 4 Methylphenol	108	4.710	4.704	0.006	76	343257	50.0	56.2	
	24 4-Methylphenol	108	4.710	4.704	0.006	75	343257	50.0	56.2	
	25 Hexachloroethane	117	4.792	4.787	0.005	92	138650	50.0	51.2	
$	26 Nitrobenzene-d5	82	4.845	4.840	0.005	91	403576	50.0	52.1	
	28 Nitrobenzene	123	4.869	4.857	0.012	87	163424	50.0	55.2	
	27 n,n'-Dimethylaniline	120	4.863	4.857	0.006	81	501804	50.0	51.4	
	31 Isophorone	82	5.092	5.087	0.005	96	697858	50.0	53.8	
	32 2-Nitrophenol	139	5.163	5.157	0.006	82	184105	50.0	58.0	
	33 2,4-Dimethylphenol	122	5.216	5.210	0.006	79	306864	50.0	50.8	
	34 Bis(2-chloroethoxy)methane	93	5.298	5.293	0.005	95	411807	50.0	52.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.351	5.328	0.023	87	232932	50.0	66.7	
36 2,4-Dichlorophenol	162	5.404	5.393	0.011	93	275701	50.0	52.8	
37 1,2,4-Trichlorobenzene	180	5.475	5.469	0.006	92	289187	50.0	51.6	
* 38 Naphthalene-d8	136	5.528	5.522	0.006	97	731562	40.0	40.0	
39 Naphthalene	128	5.545	5.540	0.005	98	966817	50.0	51.2	
40 4-Chloroaniline	127	5.604	5.598	0.006	90	434174	50.0	53.2	
130 2,6-Dichlorophenol	162	5.610	5.604	0.006	80	263367	50.0	53.2	
41 Hexachlorobutadiene	225	5.663	5.657	0.006	91	160570	50.0	48.4	
42 Caprolactam	113	5.951	5.910	-0.030	86	37423	20.0	21.7	M
43 4-Chloro-3-methylphenol	107	6.081	6.069	0.012	94	306053	50.0	56.8	
44 2-Methylnaphthalene	142	6.204	6.198	0.006	80	622836	50.0	49.8	
45 1-Methylnaphthalene	142	6.298	6.292	0.006	87	585767	50.0	51.0	
46 Hexachlorocyclopentadiene	237	6.351	6.345	0.006	81	96069	50.0	22.1	
47 1,2,4,5-Tetrachlorobenzene	216	6.369	6.357	0.012	96	294490	NC	NC	
48 2-tertbutyl-4-methylphenol	149	6.404	6.398	0.006	74	387849	50.0	51.4	
49 2,4,6-Trichlorophenol	196	6.481	6.475	0.006	87	196402	50.0	52.5	
50 2,4,5-Trichlorophenol	196	6.522	6.510	0.012	94	222594	50.0	54.2	
$ 51 2-Fluorobiphenyl	172	6.557	6.551	0.006	86	714689	50.0	48.6	
52 1,1'-Biphenyl	154	6.651	6.645	0.006	97	741036	50.0	50.7	
53 2-Chloronaphthalene	162	6.669	6.663	0.006	95	579644	50.0	51.8	
54 Phenyl ether	170	6.751	6.745	0.006	86	405634	50.0	50.6	
56 2-Nitroaniline	65	6.769	6.763	0.006	94	268551	50.0	62.7	
57 1,3-Dimethylnaphthalene	156	6.875	6.869	0.006	89	468981	50.0	51.7	
58 Dimethyl phthalate	163	6.951	6.945	0.006	97	663271	50.0	52.3	
59 Coumarin	146	6.969	6.957	0.012	72	235872	50.0	53.3	
60 2,6-Dinitrotoluene	165	7.004	6.998	0.006	27	149701	50.0	57.2	
61 Acenaphthylene	152	7.057	7.051	0.006	96	888862	50.0	48.4	
64 3-Nitroaniline	138	7.163	7.157	0.012	91	185434	50.0	57.8	
* 65 Acenaphthene-d10	164	7.192	7.181	0.011	95	380349	40.0	40.0	
66 3,5-di-tert-butyl-4-hydroxytol	205	7.216	7.210	0.006	83	453143	50.0	48.7	
67 Acenaphthene	154	7.222	7.216	0.006	95	520681	50.0	48.4	
68 2,4-Dinitrophenol	184	7.269	7.257	0.012	61	100751	100.0	71.5	
69 4-Nitrophenol	65	7.345	7.334	0.011	90	293638	100.0	129.2	
70 2,4-Dinitrotoluene	165	7.386	7.381	0.005	44	199884	50.0	58.4	
71 Dibenzofuran	168	7.386	7.381	0.005	87	787765	50.0	51.1	
72 2,3,4,6-Tetrachlorophenol	232	7.510	7.498	0.012	93	176533	NC	NC	
73 Diethyl phthalate	149	7.616	7.610	0.006	97	689691	50.0	52.5	
75 Fluorene	166	7.710	7.698	0.012	81	632768	50.0	52.2	
74 4-Chlorophenyl phenyl ether	204	7.710	7.704	0.006	71	287609	50.0	51.0	
76 4-Nitroaniline	138	7.745	7.739	0.006	64	180481	50.0	56.0	
77 4,6-Dinitro-2-methylphenol	198	7.780	7.769	0.011	54	142887	100.0	83.2	
78 N-Nitrosodiphenylamine	169	7.828	7.822	0.006	96	481673	50.0	51.2	
79 1,2-Diphenylhydrazine	77	7.863	7.857	0.006	92	748789	50.0	55.5	
$ 80 2,4,6-Tribromophenol	330	7.939	7.928	0.011	93	168093	50.0	55.8	
81 4-Bromophenyl phenyl ether	248	8.175	8.163	0.012	89	202347	50.0	51.2	
83 Hexachlorobenzene	284	8.227	8.222	0.005	96	264480	50.0	51.6	
84 Atrazine	200	8.339	8.328	0.011	84	75738	20.0	20.9	
85 Pentachlorophenol	266	8.422	8.410	0.012	89	301868	100.0	110.4	
86 Pentachloronitrobenzene	237	8.433	8.422	0.011	74	93496	50.0	54.1	
87 n-Octadecane	57	8.510	8.504	0.006	97	521829	50.0	53.4	
* 88 Phenanthrene-d10	188	8.592	8.581	0.011	99	700540	40.0	40.0	
89 Phenanthrene	178	8.616	8.604	0.012	98	948191	50.0	51.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
90 Anthracene	178	8.663	8.651	0.012	96	976483	50.0	51.4	
91 Carbazole	167	8.822	8.810	0.012	83	915524	50.0	51.7	
92 Di-n-butyl phthalate	149	9.163	9.151	0.012	99	1159560	50.0	52.0	
93 Fluoranthene	202	9.739	9.728	0.011	97	1045620	50.0	52.1	
94 Benzidine	184	9.874	9.857	0.017	99	507366	50.0	40.8	
95 Pyrene	202	9.951	9.939	0.012	96	1084673	50.0	52.0	
82 Bisphenol-A	213	10.010	9.998	0.012	97	525102	NC	NC	
$ 96 Terphenyl-d14	244	10.110	10.098	0.012	98	891625	50.0	48.0	
97 Butyl benzyl phthalate	149	10.610	10.592	0.018	97	520958	50.0	54.1	
98 2,3,7,8-TCDD	320	10.686	10.680	0.011	58	2204	0.5000	0.6452	
99 Carbamazepine	193	10.716	10.692	0.024	91	442876	NC	NC	
100 3,3'-Dichlorobenzidine	252	11.174	11.157	0.017	99	409110	50.0	52.1	
101 Benzo[a]anthracene	228	11.192	11.175	0.017	100	1040049	50.0	51.5	
* 102 Chrysene-d12	240	11.204	11.186	0.018	98	650403	40.0	40.0	
103 Chrysene	228	11.239	11.216	0.023	95	950132	50.0	50.8	
104 Bis(2-ethylhexyl) phthalate	149	11.263	11.245	0.018	85	726091	50.0	52.2	
105 Di-n-octyl phthalate	149	12.086	12.069	0.017	96	1320913	50.0	60.9	
106 Benzo[b]fluoranthene	252	12.545	12.522	0.023	98	1081484	50.0	55.3	
107 Benzo[k]fluoranthene	252	12.586	12.562	0.023	98	1152381	50.0	58.5	
108 Benzo[a]pyrene	252	12.986	12.969	0.017	96	914278	50.0	48.8	
* 109 Perylene-d12	264	13.068	13.045	0.023	98	696437	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	14.609	14.580	0.029	99	829277	50.0	43.2	
111 Dibenz(a,h)anthracene	278	14.645	14.621	0.024	95	881363	50.0	43.4	
112 Benzo[g,h,i]perylene	276	15.027	14.998	0.029	96	812145	50.0	38.7	
S 119 Total Cresols	1				0			109.2	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

SV_BNA_L7_00004 Amount Added: 1.00 Units: mL

Report Date: 01-Jul-2022 08:54:31 Chrom Revision: 2.3 20-Jun-2022 20:10:40

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42535.d

Injection Date: 30-Jun-2022 10:32:30 Instrument ID: CBNAMS5

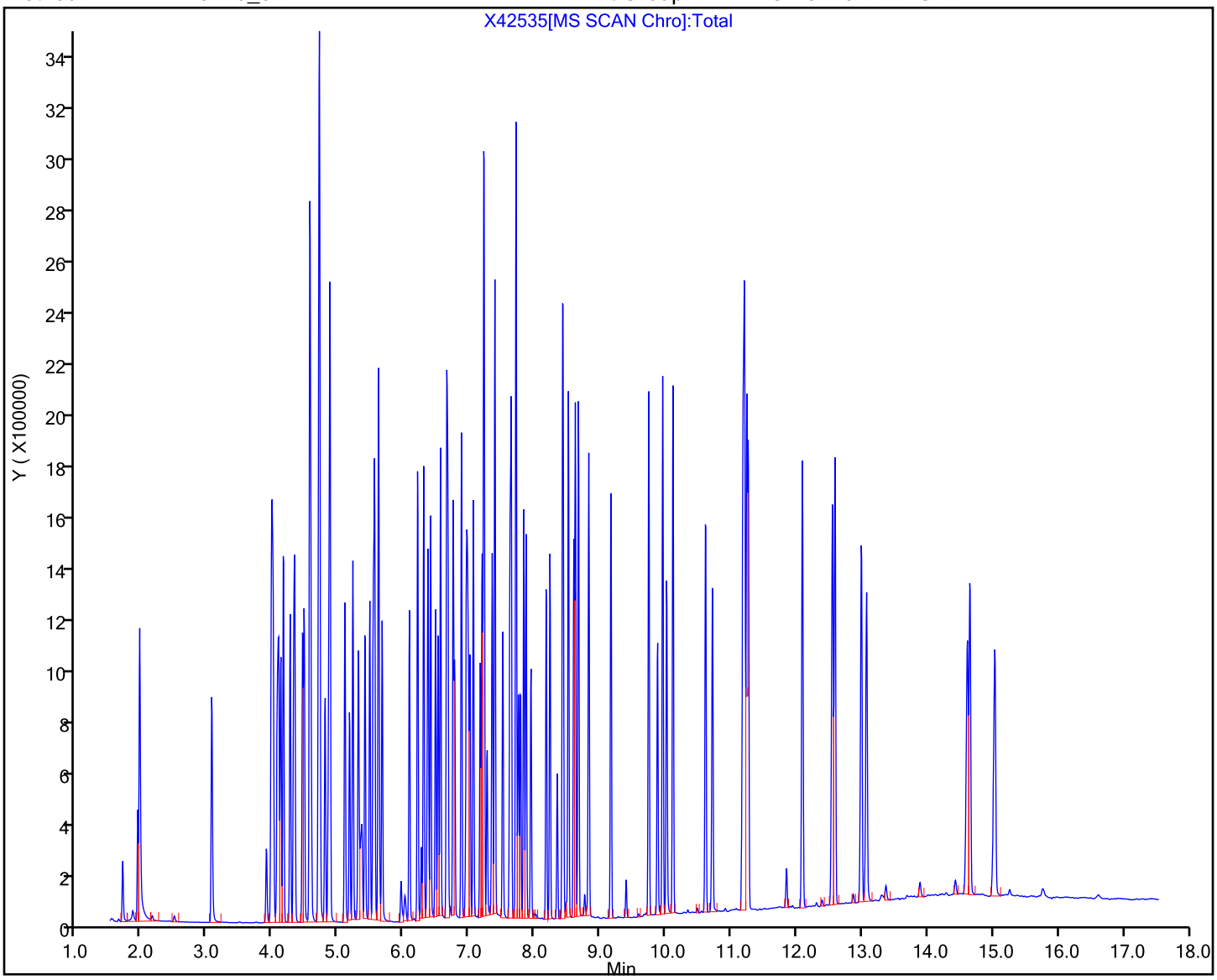
Lims ID: ccv

Client ID:

Operator ID: ALS Bottle#: 33 Worklist Smp#: 33

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8270_5R Limit Group: SV 8270 DEL ICAL



Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS15\20220330-143392.b\f460644.D
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 30-Mar-2022 08:25:15 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0143392-001
Operator ID: Instrument ID: CBNAMS15

Method: \\chromfs\Edison\ChromData\CBNAMS15\20220330-143392.b\8270_15R_9.m
Limit Group: SV 8270 DEL ICAL
Last Update: 30-Mar-2022 11:28:53 Calib Date: 30-Mar-2022 10:52:03
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS15\20220330-143392.b\f460653.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1603

First Level Reviewer: johnstonm1 Date: 30-Mar-2022 11:28:53

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
4 Pentachlorophenol_T	266	2.278	2.278	0.000	90	57831	NR	NR	
6 Benzidine_T	184	2.873	2.873	0.000	99	296881	NR	NR	
121 DFTPP									
122 4,4'-DDE	246	2.944	2.944	0.000	70	728		NR	
123 4,4'-DDD	235	3.080	3.080	0.000	83	3544		NR	
124 4,4'-DDT	235	3.204	3.204	0.000	98	102062	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

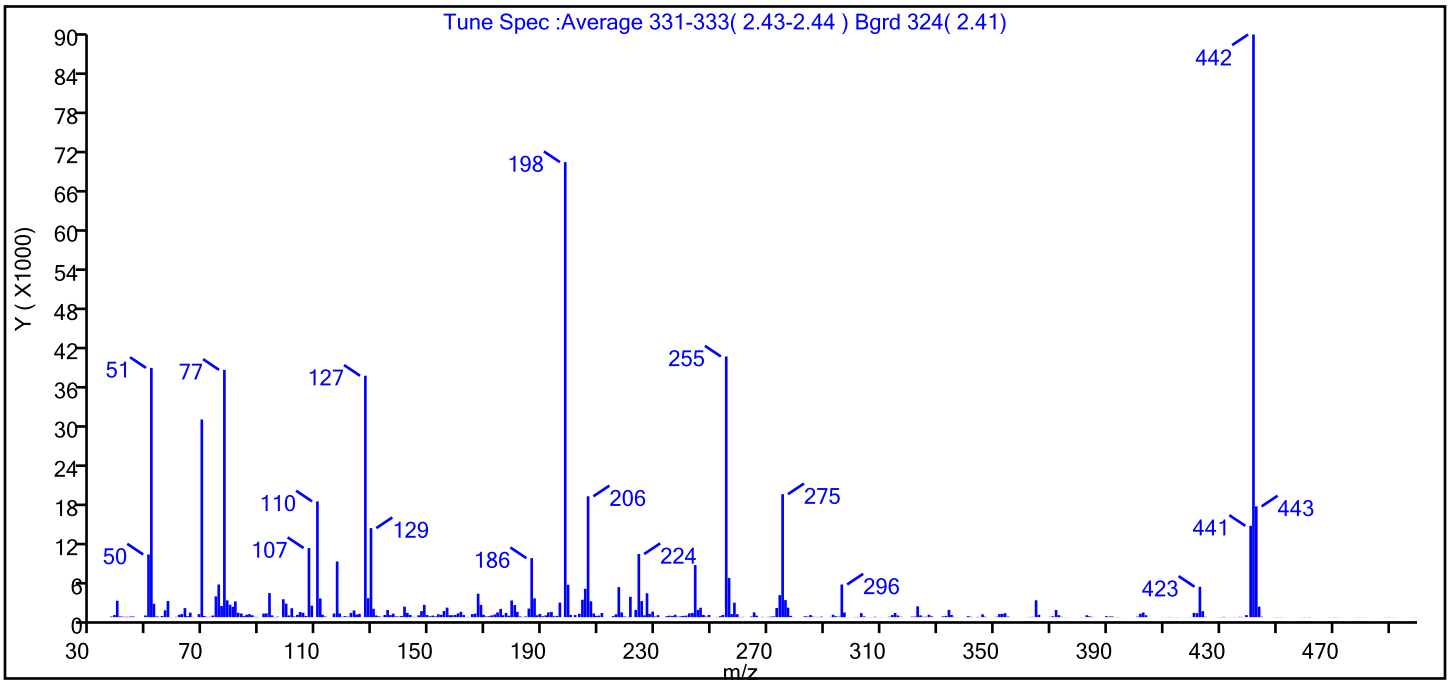
SMDFTP_CH_00034 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS15\20220330-143392.b\f460644.D
Injection Date: 30-Mar-2022 08:25:15 Instrument ID: CBNAMS15
Lims ID: DFTPP
Client ID:
Operator ID: ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_15R_9 Limit Group: SV 8270 DEL ICAL
Tune Method: DFTPP Method 8270E, BP 198

121 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base peak or present	100.0
68	<2% of m/z 69	0.7 (1.5)
69	Present	43.4
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	3.7
441	<150% of m/z 443	20.1 (82.4)
442	Present	128.0
443	15-24% of m/z 442	24.3 (19.0)

Data File: \\chromfs\Edison\ChromData\CBNAMS15\20220330-143392.b\f460644.D\8270_15R_9.rslt\spectra.d
Injection Date: 30-Mar-2022 08:25:15
Spectrum: Tune Spec :Average 331-333(2.43-2.44) Bgrd 324(2.41)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 368

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	96	137.00	542	235.00	225	350.00	10
38.00	318	138.00	118	236.00	197	351.00	61
39.00	2517	139.00	82	237.00	368	352.00	468
40.00	113	140.00	174	238.00	74	353.00	512
41.00	78	141.00	1615	239.00	129	354.00	599
42.00	49	142.00	650	240.00	191	355.00	86
43.00	55	143.00	344	241.00	238	356.00	7
44.00	100	144.00	45	242.00	577	357.00	3
45.00	86	145.00	33	243.00	649	361.00	4
49.00	261	146.00	276	244.00	7988	362.00	23
50.00	9620	147.00	928	245.00	1097	364.00	50
51.00	38264	148.00	1879	246.00	1442	365.00	2593
52.00	2053	149.00	327	247.00	341	366.00	350
53.00	126	150.00	136	248.00	94	370.00	48
54.00	46	151.00	239	249.00	337	371.00	135
55.00	173	152.00	127	250.00	8	372.00	1098
56.00	1042	153.00	439	251.00	13	373.00	297
57.00	2474	154.00	350	252.00	36	374.00	50
58.00	24	155.00	944	253.00	154	375.00	11
60.00	50	156.00	1459	254.00	345	376.00	11
61.00	362	157.00	292	255.00	40008	381.00	17
62.00	458	158.00	296	256.00	6003	383.00	289
63.00	1389	159.00	333	257.00	467	384.00	127
64.00	158	160.00	576	258.00	2214	385.00	44
65.00	691	161.00	815	259.00	456	386.00	1
66.00	37	162.00	316	260.00	32	387.00	1
68.00	459	163.00	31	261.00	44	390.00	159
69.00	30344	164.00	33	264.00	108	391.00	94
70.00	169	165.00	455	265.00	731	392.00	103
71.00	54	166.00	530	266.00	222	394.00	20
72.00	50	167.00	3591	268.00	51	394.00	15
73.00	244	168.00	1882	270.00	39	396.00	6
74.00	3187	169.00	366	271.00	85	401.00	83

Report Date: 30-Mar-2022 11:28:54 Chrom Revision: 2.3 18-Mar-2022 09:07:22
Data File: \\chromfs\Edison\ChromData\CBNAMS15\20220330-143392.b\f460644.D\8270_15R_9.rslt\spectra.d
Injection Date: 30-Mar-2022 08:25:15
Spectrum: Tune Spec :Average 331-333(2.43-2.44) Bgrd 324(2.41)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 368

m/z	Y	m/z	Y	m/z	Y	m/z	Y
75.00	5012	170.00	111	272.00	117	402.00	524
76.00	1714	171.00	147	273.00	1398	403.00	717
77.00	37960	172.00	270	274.00	3381	404.00	284
78.00	2578	173.00	405	275.00	18872	405.00	8
79.00	1902	174.00	727	276.00	2618	410.00	18
80.00	1592	175.00	1265	277.00	1453	411.00	14
81.00	2419	176.00	289	278.00	203	412.00	28
82.00	665	177.00	647	279.00	33	413.00	18
83.00	558	178.00	220	283.00	131	414.00	7
84.00	162	179.00	2561	284.00	93	415.00	21
85.00	367	180.00	1854	285.00	323	420.00	24
86.00	475	181.00	811	286.00	67	421.00	651
87.00	288	182.00	110	287.00	35	422.00	613
88.00	51	183.00	30	288.00	23	423.00	4662
89.00	33	184.00	112	289.00	77	424.00	913
90.00	2	185.00	1315	292.00	30	425.00	61
91.00	541	186.00	9056	293.00	358	426.00	3
92.00	573	187.00	2882	294.00	150	429.00	13
93.00	3685	188.00	287	295.00	72	430.00	23
94.00	266	189.00	491	296.00	5015	431.00	35
95.00	31	190.00	139	297.00	707	432.00	29
96.00	75	191.00	274	298.00	18	433.00	11
98.00	2751	192.00	731	299.00	5	434.00	19
99.00	2076	193.00	803	301.00	32	435.00	28
100.00	260	194.00	146	302.00	37	437.00	47
101.00	1367	195.00	190	303.00	613	438.00	34
102.00	108	196.00	2234	304.00	114	440.00	315
103.00	354	198.00	69848	305.00	20	441.00	14015
104.00	784	199.00	4973	306.00	23	442.00	89440
105.00	662	200.00	340	308.00	64	443.00	17000
106.00	189	201.00	320	309.00	12	444.00	1617
107.00	10606	203.00	517	310.00	15	445.00	64
108.00	1756	204.00	2668	313.00	72	450.00	10
110.00	17768	205.00	4344	314.00	327	450.00	14

Report Date: 30-Mar-2022 11:28:54 Chrom Revision: 2.3 18-Mar-2022 09:07:22
Data File: \\chromfs\Edison\ChromData\CBNAMS15\20220330-143392.b\f460644.D\8270_15R_9.rslt\spectra.d
Injection Date: 30-Mar-2022 08:25:15
Spectrum: Tune Spec :Average 331-333(2.43-2.44) Bgrd 324(2.41)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 368

m/z	Y	m/z	Y	m/z	Y	m/z	Y
111.00	2866	206.00	18552	315.00	640	451.00	14
112.00	373	207.00	2431	316.00	253	452.00	23
113.00	96	208.00	564	317.00	61	453.00	2
114.00	2	209.00	191	321.00	83	459.00	13
115.00	1	210.00	228	322.00	83	460.00	22
116.00	549	211.00	626	323.00	1663	462.00	21
117.00	8539	215.00	171	324.00	276	462.00	14
118.00	564	216.00	438	325.00	54	463.00	2
119.00	81	217.00	4608	326.00	66	469.00	12
120.00	145	218.00	727	327.00	363	470.00	19
121.00	76	219.00	104	328.00	119	471.00	20
122.00	651	220.00	49	332.00	112	472.00	13
123.00	1025	221.00	3115	333.00	193	473.00	1
124.00	397	223.00	1116	334.00	1118	478.00	6
125.00	505	224.00	9690	335.00	336	479.00	15
127.00	37056	225.00	2465	336.00	47	480.00	13
128.00	2912	226.00	278	337.00	17	481.00	16
129.00	13668	227.00	3664	341.00	157	482.00	15
130.00	1279	228.00	507	342.00	58	489.00	17
131.00	259	229.00	853	343.00	3	490.00	26
132.00	122	230.00	99	344.00	35	491.00	15
133.00	44	231.00	302	345.00	25	493.00	4
134.00	327	232.00	8	346.00	429	498.00	13
135.00	1087	233.00	2	347.00	79	499.00	14
136.00	314	234.00	149	348.00	11	500.00	7

Breakdown Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS15\20220330-143392.b\f460644.D
Injection Date: 30-Mar-2022 08:25:15 Instrument ID: CBNAMS15
Lims ID: DFTPP
Client ID:
Operator ID: ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_15R_9 Limit Group: SV 8270 DEL ICAL

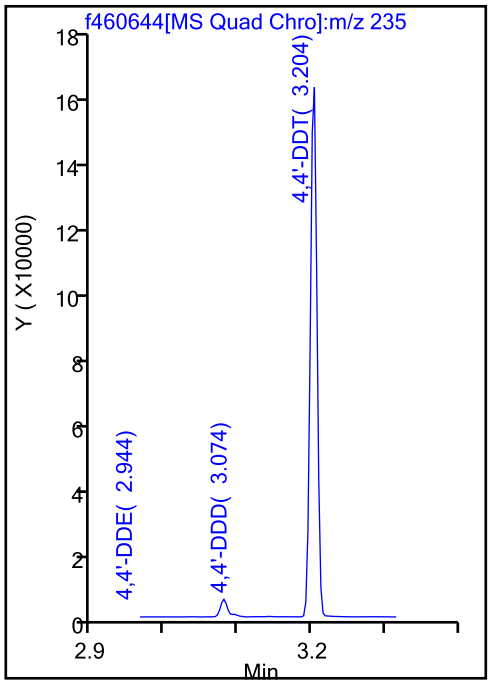
124 4,4'-DDT, Detector: MS Quad

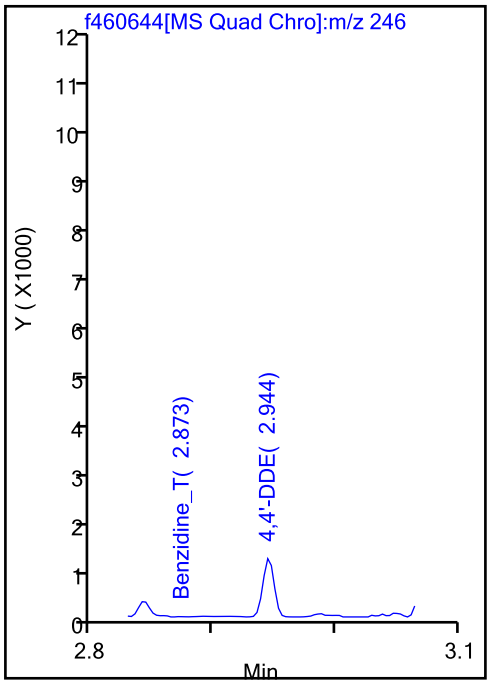
SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

124 4,4'-DDT, Area = 102062
123 4,4'-DDD, Area = 3544
122 4,4'-DDE, Area = 728

%Breakdown: 4.02%, <= 20.00%
Passed





Peak Tailing Report

Eurofins Edison

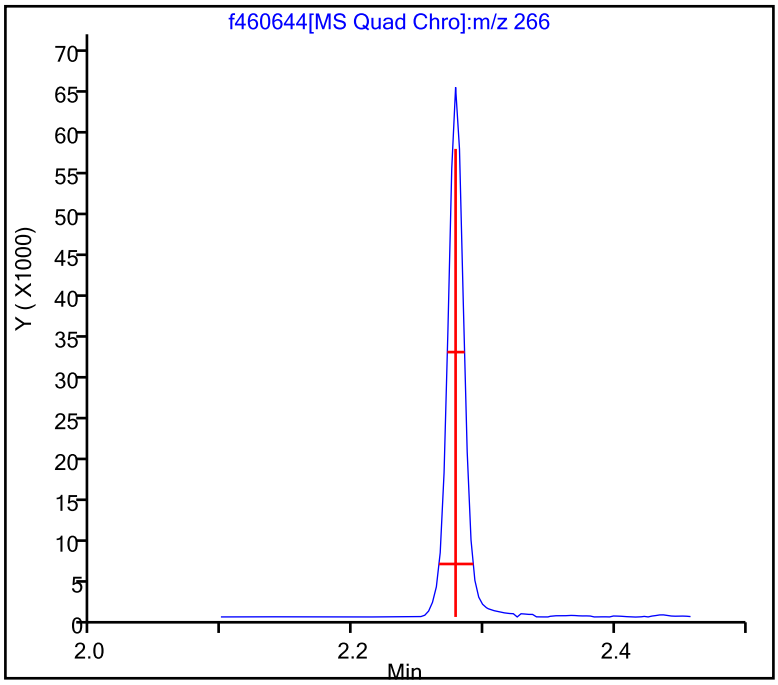
Data File: \\chromfs\Edison\ChromData\CBNAMS15\20220330-143392.b\f460644.D
Injection Date: 30-Mar-2022 08:25:15 Instrument ID: CBNAMS15
Lims ID: DFTPP
Client ID:
Operator ID: ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_15R_9 Limit Group: SV 8270 DEL ICAL

4 Pentachlorophenol_T, Detector: MS Quad

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.014 (min.)
Front Width = 0.013 (min.)

Tailing Factor = 1.08, Max. Tailing <= 2.00
Passed



Peak Tailing Report

Eurofins Edison

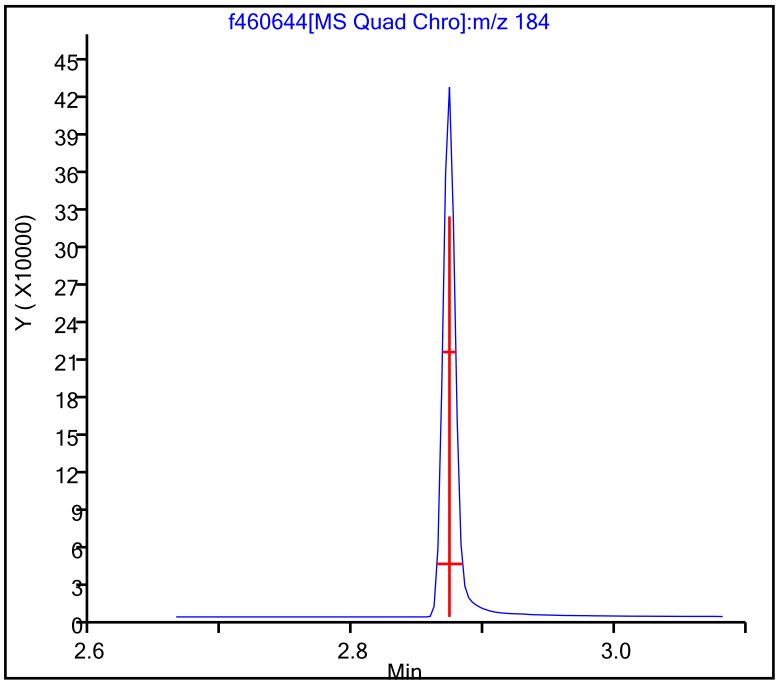
Data File: \\chromfs\Edison\ChromData\CBNAMS15\20220330-143392.b\f460644.D
Injection Date: 30-Mar-2022 08:25:15 Instrument ID: CBNAMS15
Lims ID: DFTPP
Client ID:
Operator ID: ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_15R_9 Limit Group: SV 8270 DEL ICAL

6 Benzidine_T, Detector: MS Quad

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.010 (min.)
Front Width = 0.010 (min.)

Tailing Factor = 1.00, Max. Tailing <= 2.00
Passed



Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS5\20220602-146048.b\X41873.d
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 03-Jun-2022 06:01:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0146048-001
Operator ID: Instrument ID: CBNAMS5

Method: \\chromfs\Edison\ChromData\CBNAMS5\20220602-146048.b\8270_5R.m
Limit Group: SV 8270 DEL ICAL
Last Update: 03-Jun-2022 10:15:07 Calib Date: 03-Jun-2022 09:29:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS5\20220602-146048.b\X41882.d

Column 1 : Det: MS SCAN
Process Host: CTX1640

First Level Reviewer: johnstonm1 Date: 03-Jun-2022 10:15:07

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
30 Pentachlorophenol_T	266	4.575	4.575	0.000	92	150798	NR	NR	
124 DFTPP									
55 Benzidine_T	184	5.810	5.810	0.000	99	799253	NR	NR	
125 4,4'-DDE	246	5.963	5.963	0.000	5	236		NC	
126 4,4'-DDD	235	6.257	6.257	0.000	82	4015		NC	
127 4,4'-DDT	235	6.469	6.469	0.000	99	403342	NC	NC	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard
NC - Not Calibrated

Reagents:

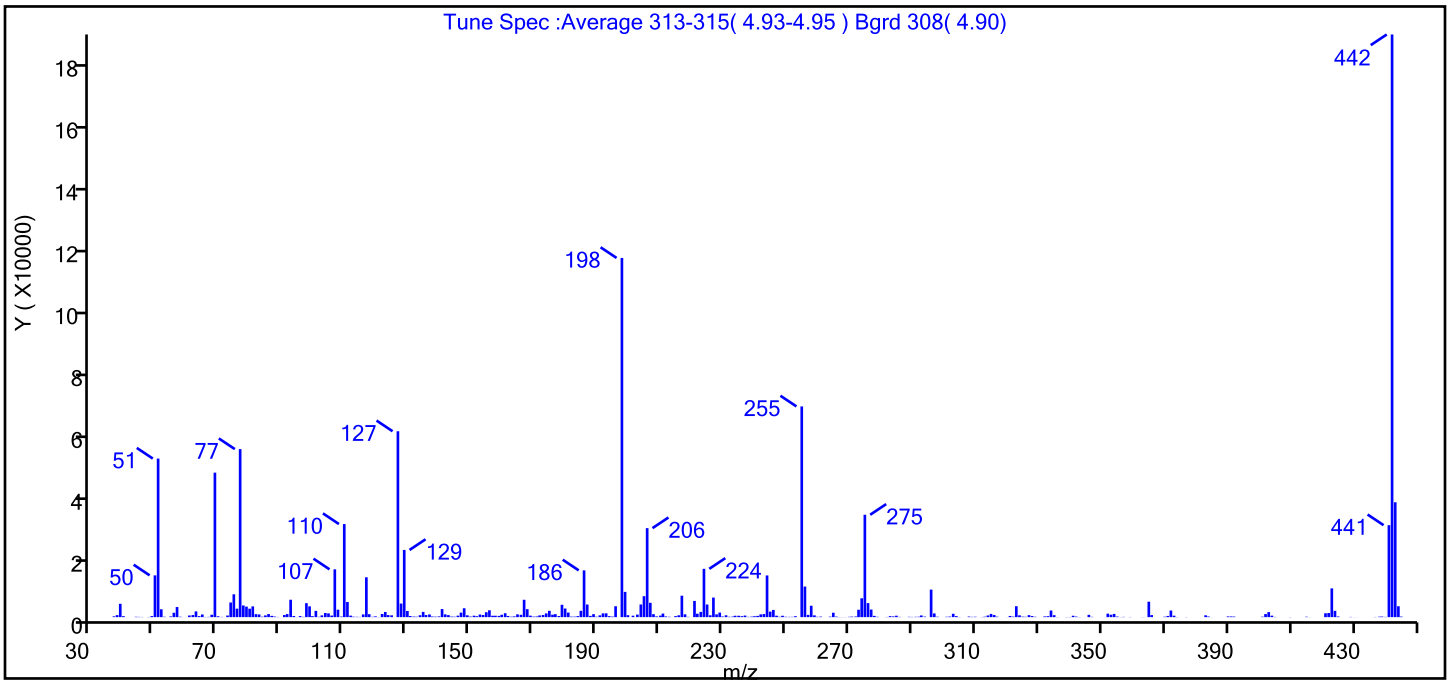
SMDFTP_CH_00034 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS5\20220602-146048.b\X41873.d
Injection Date: 03-Jun-2022 06:01:30 Instrument ID: CBNAMS5
Lims ID: DFTPP
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_5R Limit Group: SV 8270 DEL ICAL
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	0.7 (1.7)
69	Present	40.2
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	7.0
365	>1% of m/z 198	4.3
441	<150% of m/z 443	25.6 (80.1)
442	Present	162.2
443	15-24% of m/z 442	32.0 (19.7)

Data File: \\chromfs\Edison\ChromData\CBNAMS5\20220602-146048.b\X41873.d\8270_5R.rslt\spectra.d
Injection Date: 03-Jun-2022 06:01:30
Spectrum: Tune Spec :Average 313-315(4.93-4.95) Bgrd 308(4.90)
Base Peak: 442.10
Minimum % Base Peak: 0
Number of Points: 328

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	262	124.00	662	209.00	237	303.00	1076
38.00	644	125.00	577	210.00	490	304.00	327
39.00	4268	127.00	59480	211.00	1145	305.00	42
40.00	316	128.00	4344	212.00	219	308.00	190
41.00	11	129.00	21496	213.00	123	309.00	93
44.00	115	130.00	1966	215.00	330	310.00	127
45.00	81	131.00	364	216.00	581	312.00	49
46.00	60	132.00	177	217.00	6854	313.00	149
48.00	58	133.00	136	218.00	902	314.00	535
49.00	339	134.00	610	219.00	88	315.00	1026
50.00	13369	135.00	1676	221.00	5188	316.00	663
51.00	50736	136.00	678	222.00	1094	317.00	147
52.00	2515	137.00	858	223.00	1679	320.00	16
53.00	127	138.00	201	224.00	15460	321.00	379
55.00	226	139.00	155	225.00	4040	322.00	167
56.00	1402	140.00	233	226.00	592	323.00	3501
57.00	3236	141.00	2580	227.00	6262	324.00	582
58.00	130	142.00	889	228.00	895	325.00	157
59.00	11	143.00	653	229.00	1465	326.00	112
60.00	15	144.00	182	230.00	198	327.00	643
61.00	525	145.00	138	231.00	586	328.00	344
62.00	665	146.00	472	232.00	120	329.00	115
63.00	1845	147.00	1437	233.00	180	332.00	227
64.00	320	148.00	2846	234.00	445	333.00	309
65.00	856	149.00	584	235.00	444	334.00	2120
66.00	60	150.00	182	236.00	306	335.00	626
67.00	88	151.00	465	237.00	505	336.00	45
68.00	775	152.00	293	238.00	98	339.00	46
69.00	46232	153.00	833	239.00	164	340.00	51
70.00	281	154.00	685	240.00	296	341.00	446
71.00	70	155.00	1570	241.00	408	342.00	178
72.00	9	156.00	2199	242.00	884	343.00	37
73.00	516	157.00	454	243.00	985	346.00	737

Report Date: 03-Jun-2022 10:15:07 Chrom Revision: 2.3 18-May-2022 20:00:04
Data File: \\chromfs\Edison\ChromData\CBNAMS5\20220602-146048.b\X41873.d\8270_5R.rslt\spectra.d
Injection Date: 03-Jun-2022 06:01:30
Spectrum: Tune Spec :Average 313-315(4.93-4.95) Bgrd 308(4.90)
Base Peak: 442.10
Minimum % Base Peak: 0
Number of Points: 328

m/z	Y	m/z	Y	m/z	Y	m/z	Y
74.00	4687	158.00	449	244.00	13345	347.00	97
75.00	7312	159.00	400	245.00	1764	351.00	20
76.00	2714	160.00	757	246.00	2314	352.00	1108
77.00	53768	161.00	1250	247.00	462	353.00	769
78.00	3734	162.00	378	248.00	111	354.00	1030
79.00	3363	163.00	148	249.00	439	355.00	184
80.00	2704	164.00	244	250.00	126	356.00	36
81.00	3441	165.00	889	251.00	95	357.00	85
82.00	949	166.00	755	252.00	98	359.00	50
83.00	866	167.00	5557	253.00	307	363.00	35
84.00	139	168.00	2552	255.00	67424	365.00	4944
85.00	552	169.00	482	256.00	9787	366.00	656
86.00	989	170.00	171	257.00	729	370.00	135
87.00	418	171.00	214	258.00	3648	371.00	381
88.00	192	172.00	551	259.00	575	372.00	2113
89.00	62	173.00	690	260.00	107	373.00	462
91.00	683	174.00	1193	261.00	171	374.00	46
92.00	980	175.00	2030	264.00	163	377.00	45
93.00	5566	176.00	791	265.00	1411	383.00	582
94.00	361	177.00	955	266.00	173	384.00	199
95.00	27	178.00	347	267.00	45	385.00	23
96.00	335	179.00	3952	268.00	21	390.00	231
97.00	92	180.00	2755	269.00	32	391.00	217
98.00	4475	181.00	1460	270.00	103	392.00	176
99.00	3455	182.00	167	271.00	165	401.00	145
100.00	318	183.00	164	272.00	205	402.00	987
101.00	2007	184.00	333	273.00	2363	403.00	1610
102.00	110	185.00	2027	274.00	6027	404.00	472
103.00	567	186.00	14960	275.00	32760	405.00	76
104.00	1325	187.00	4041	276.00	4492	410.00	45
105.00	1203	188.00	407	277.00	2433	415.00	132
106.00	500	189.00	955	278.00	409	416.00	18
107.00	15300	190.00	136	279.00	108	421.00	1234
108.00	2378	191.00	573	282.00	61	422.00	1322

Report Date: 03-Jun-2022 10:15:07 Chrom Revision: 2.3 18-May-2022 20:00:04
Data File: \\chromfs\Edison\ChromData\CBNAMS5\20220602-146048.b\X41873.d\8270_5R.rslt\spectra.d
Injection Date: 03-Jun-2022 06:01:30
Spectrum: Tune Spec :Average 313-315(4.93-4.95) Bgrd 308(4.90)
Base Peak: 442.10
Minimum % Base Peak: 0
Number of Points: 328

m/z	Y	m/z	Y	m/z	Y	m/z	Y
109.00	173	192.00	1201	283.00	318	423.00	9200
110.00	29784	193.00	1223	284.00	237	424.00	2020
111.00	4850	194.00	315	285.00	461	425.00	215
112.00	484	195.00	179	286.00	81	429.00	72
113.00	148	196.00	3490	289.00	103	430.00	17
114.00	105	198.00	114928	290.00	75	431.00	17
115.00	70	199.00	8081	291.00	103	437.00	60
116.00	871	200.00	624	292.00	140	438.00	151
117.00	12750	202.00	460	293.00	540	439.00	183
118.00	939	203.00	817	294.00	169	440.00	76
119.00	104	204.00	4056	296.00	8811	441.00	29424
120.00	253	205.00	6707	297.00	1187	442.00	186432
121.00	42	206.00	28480	298.00	136	443.00	36752
122.00	1007	207.00	4587	301.00	117	444.00	3480
123.00	1655	208.00	951	302.00	189	445.00	177

Breakdown Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS5\20220602-146048.b\X41873.d
Injection Date: 03-Jun-2022 06:01:30 Instrument ID: CBNAMS5
Lims ID: DFTPP
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_5R Limit Group: SV 8270 DEL ICAL

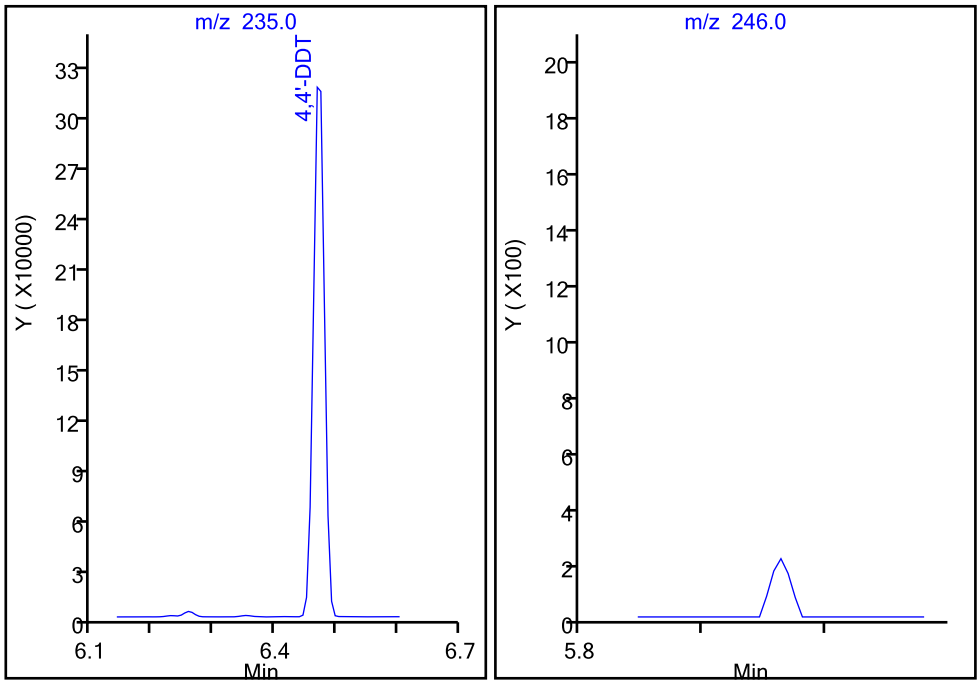
127 4,4'-DDT, Detector: MS SCAN

SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

127 4,4'-DDT, Area = 403342
126 4,4'-DDD, Area = 4015
125 4,4'-DDE, Area = 236

%Breakdown: 1.04%, <= 20.00%
Passed



Peak Tailing Report

Eurofins Edison

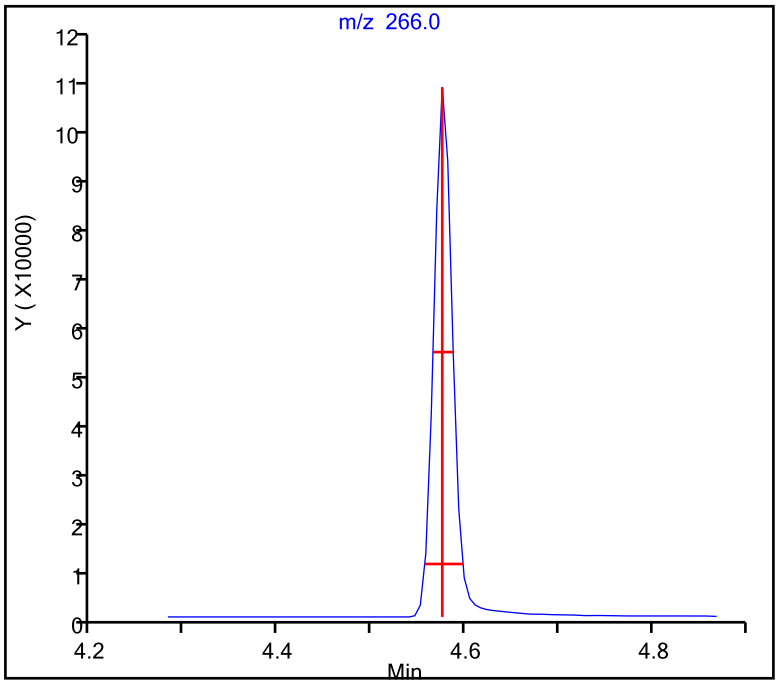
Data File: \\chromfs\Edison\ChromData\CBNAMS5\20220602-146048.b\X41873.d
Injection Date: 03-Jun-2022 06:01:30 Instrument ID: CBNAMS5
Lims ID: DFTPP
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_5R Limit Group: SV 8270 DEL ICAL

30 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.022 (min.)
Front Width = 0.019 (min.)

Tailing Factor = 1.16, Max. Tailing <= 2.00
Passed



Peak Tailing Report

Eurofins Edison

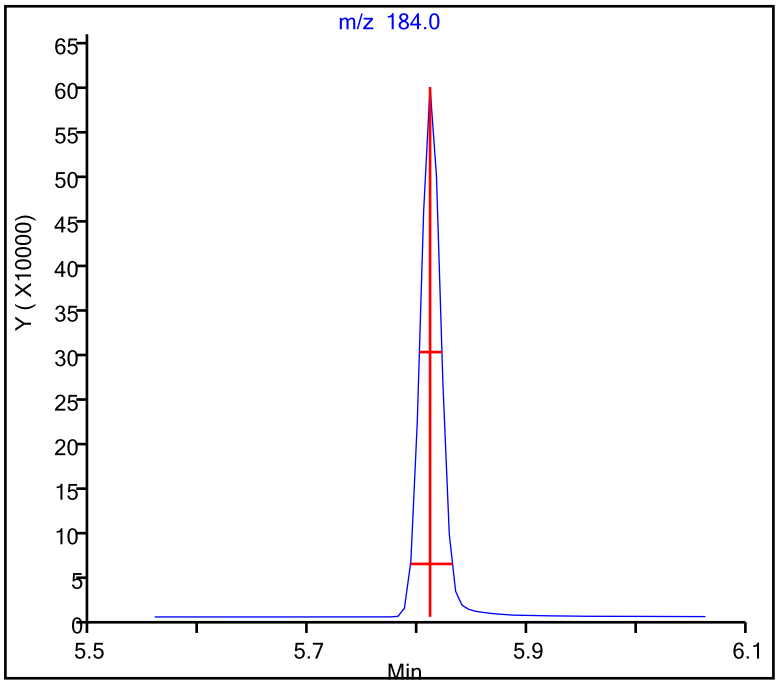
Data File: \\chromfs\Edison\ChromData\CBNAMS5\20220602-146048.b\X41873.d
Injection Date: 03-Jun-2022 06:01:30 Instrument ID: CBNAMS5
Lims ID: DFTPP
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_5R Limit Group: SV 8270 DEL ICAL

55 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.021 (min.)
Front Width = 0.018 (min.)

Tailing Factor = 1.17, Max. Tailing <= 2.00
Passed



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-260852-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-852750/1-A

Matrix: Solid | Lab File ID: X42506.d

Analysis Method: 8270C | Date Collected:

Extract. Method: 3546 | Date Extracted: 06/29/2022 17:17

Sample wt/vol: 15.00(g) | Date Analyzed: 06/29/2022 23:11

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 852810 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
208-96-8	Acenaphthylene	9.5	U	330	9.5
120-12-7	Anthracene	10	U	330	10
56-55-3	Benzo[a]anthracene	12	U	33	12
205-99-2	Benzo[b]fluoranthene	8.6	U	33	8.6
50-32-8	Benzo[a]pyrene	8.8	U	33	8.8
191-24-2	Benzo[g,h,i]perylene	9.8	U	330	9.8
207-08-9	Benzo[k]fluoranthene	6.5	U	33	6.5
218-01-9	Chrysene	5.6	U	330	5.6
53-70-3	Dibenz(a,h)anthracene	14	U	33	14
206-44-0	Fluoranthene	12	U	330	12
91-20-3	Naphthalene	5.7	U	330	5.7
85-01-8	Phenanthrene	5.8	U	330	5.8
129-00-0	Pyrene	8.2	U	330	8.2
86-73-7	Fluorene	9.7	U	330	9.7
83-32-9	Acenaphthene	9.4	U	330	9.4
193-39-5	Indeno[1,2,3-cd]pyrene	13	U	33	13
91-58-7	2-Chloronaphthalene	15	U	330	15
91-57-6	2-Methylnaphthalene	9.3	U	330	9.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	86		22-122
4165-60-0	Nitrobenzene-d5 (Surr)	85		16-125
1718-51-0	Terphenyl-d14 (Surr)	101		25-126

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42506.d
Lims ID: MB 460-852750/1-A
Client ID:
Sample Type: MB
Inject. Date: 29-Jun-2022 23:11:30 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0147251-004
Operator ID: Instrument ID: CBNAMS5

Method: \\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\8270_5R.m
Limit Group: SV 8270 DEL ICAL
Last Update: 30-Jun-2022 11:56:45 Calib Date: 03-Jun-2022 09:29:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS5\20220602-146048.b\X41882.d

Column 1 : Det: MS SCAN
Process Host: CTX1633

First Level Reviewer: DY9Z Date: 30-Jun-2022 00:55:03

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 4 2-Fluorophenol	112	3.057	3.056	0.005	92	186413	50.0	42.5	
$ 6 Phenol-d5	99	3.952	3.963	-0.005	95	237079	50.0	44.0	
* 14 1,4-Dichlorobenzene-d4	152	4.304	4.304	0.000	98	119494	40.0	40.0	
$ 26 Nitrobenzene-d5	82	4.834	4.840	-0.006	91	204432	50.0	42.4	
* 38 Naphthalene-d8	136	5.516	5.522	-0.006	99	454842	40.0	40.0	
$ 51 2-Fluorobiphenyl	172	6.545	6.557	-0.006	97	374477	50.0	42.8	
* 65 Acenaphthene-d10	164	7.181	7.181	0.000	97	226319	40.0	40.0	
$ 80 2,4,6-Tribromophenol	330	7.928	7.934	0.000	92	88955	50.0	49.7	
* 88 Phenanthrene-d10	188	8.581	8.581	0.000	99	427953	40.0	40.0	
$ 96 Terphenyl-d14	244	10.098	10.109	0.000	97	496758	50.0	50.3	
* 102 Chrysene-d12	240	11.180	11.186	-0.006	99	345382	40.0	40.0	
* 109 Perylene-d12	264	13.039	13.045	-0.006	98	380999	40.0	40.0	

QC Flag Legend
Processing Flags

Reagents:
SM_ISTD_00196 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 30-Jun-2022 12:09:30 Chrom Revision: 2.3 20-Jun-2022 20:10:40

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42506.d

Injection Date: 29-Jun-2022 23:11:30 Instrument ID: CBNAMS5

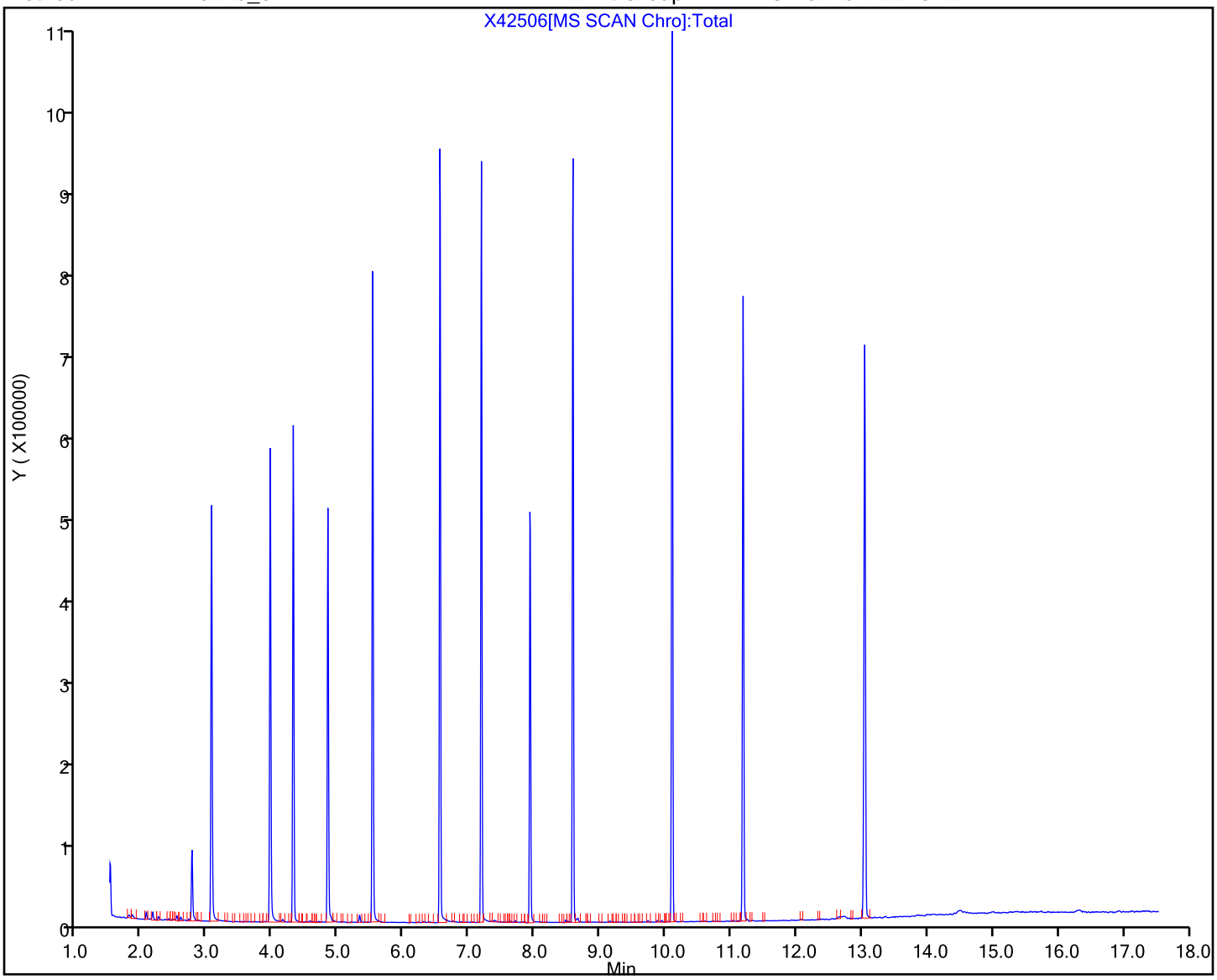
Lims ID: MB 460-852750/1-A

Client ID:

Operator ID: ALS Bottle#: 4 Worklist Smp#: 4

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8270_5R Limit Group: SV 8270 DEL ICAL



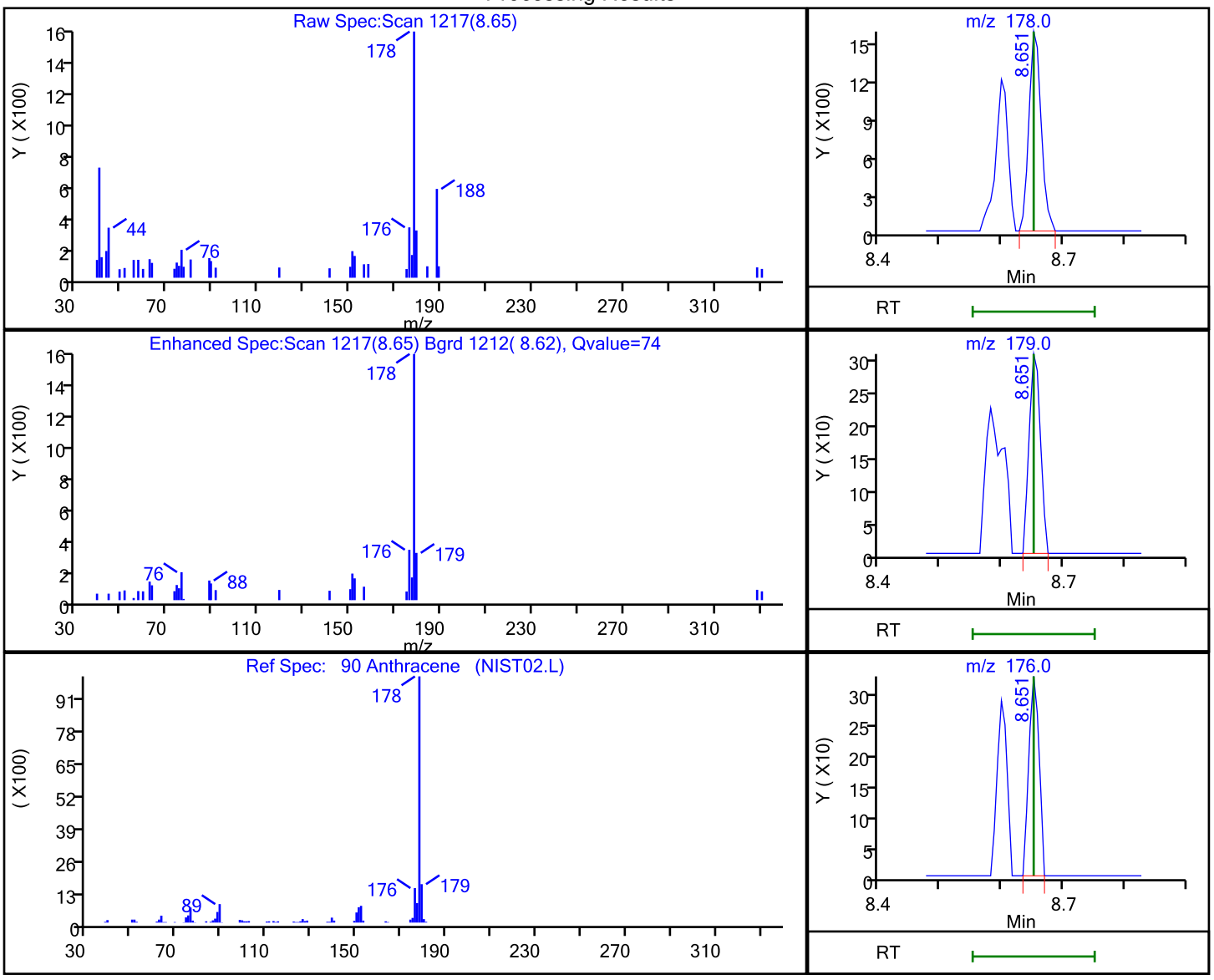
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42506.d				
Injection Date:	29-Jun-2022 23:11:30	Instrument ID:	CBNAMS5		
Lims ID:	MB 460-852750/1-A				
Client ID:					
Operator ID:		ALS Bottle#:	4	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

90 Anthracene, CAS: 120-12-7

Processing Results



RT	Mass	Response	Amount
8.65	178.00	2230	0.192145
8.65	179.00	393	
8.65	176.00	379	

Reviewer: maheseep, 30-Jun-2022 16:21:58

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

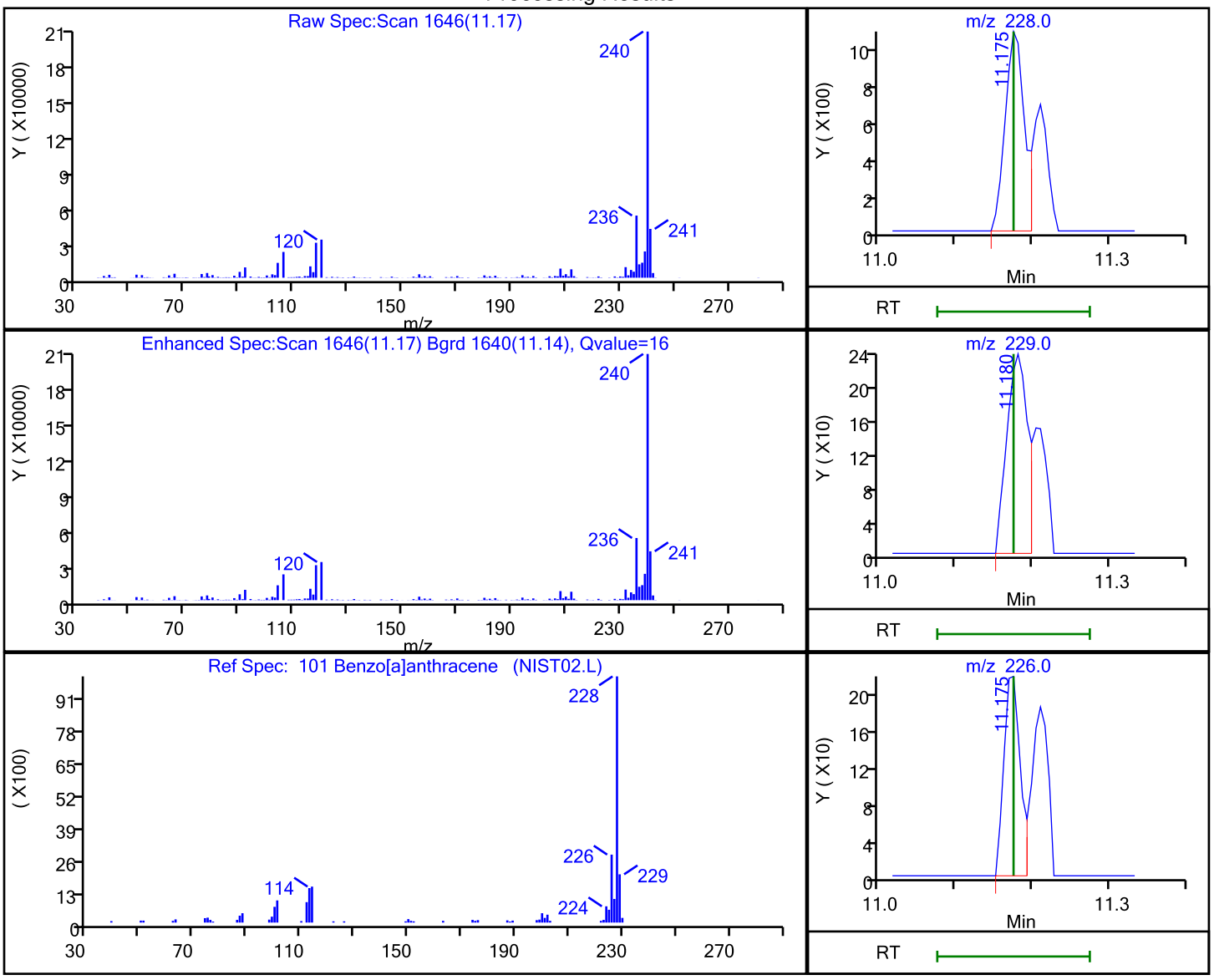
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42506.d				
Injection Date:	29-Jun-2022 23:11:30	Instrument ID:	CBNAMS5		
Lims ID:	MB 460-852750/1-A				
Client ID:					
Operator ID:		ALS Bottle#:	4	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

101 Benzo[a]anthracene, CAS: 56-55-3

Processing Results



RT	Mass	Response	Amount
11.17	228.00	1890	0.176157
11.18	229.00	461	
11.17	226.00	326	

Reviewer: maheseep, 30-Jun-2022 16:22:02

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

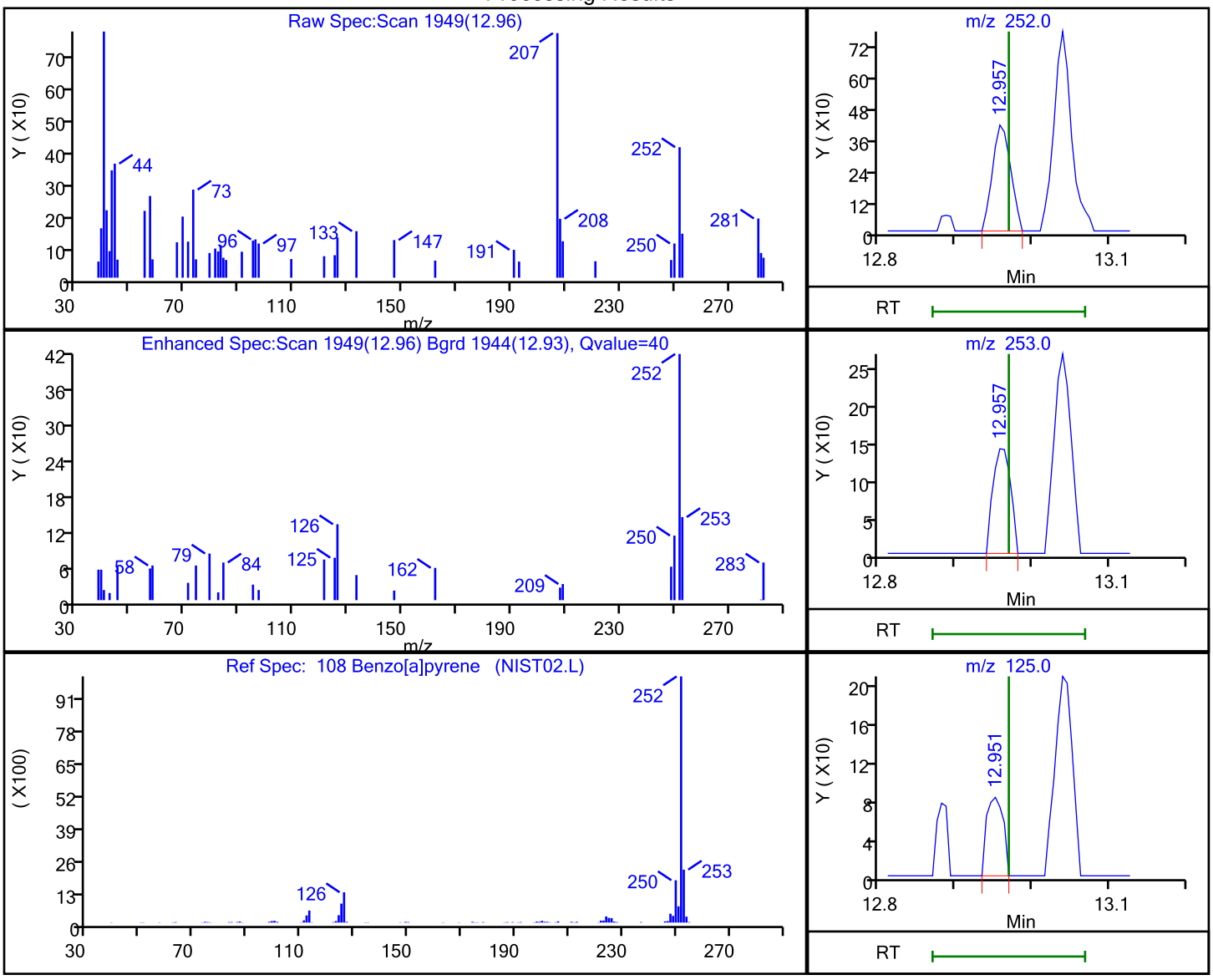
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42506.d				
Injection Date:	29-Jun-2022 23:11:30	Instrument ID:	CBNAMS5		
Lims ID:	MB 460-852750/1-A				
Client ID:					
Operator ID:		ALS Bottle#:	4	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

108 Benzo[a]pyrene, CAS: 50-32-8

Processing Results



RT	Mass	Response	Amount
12.96	252.00	683	0.066654
12.96	253.00	223	
12.95	125.00	122	

Reviewer: maheseep, 30-Jun-2022 16:22:07

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

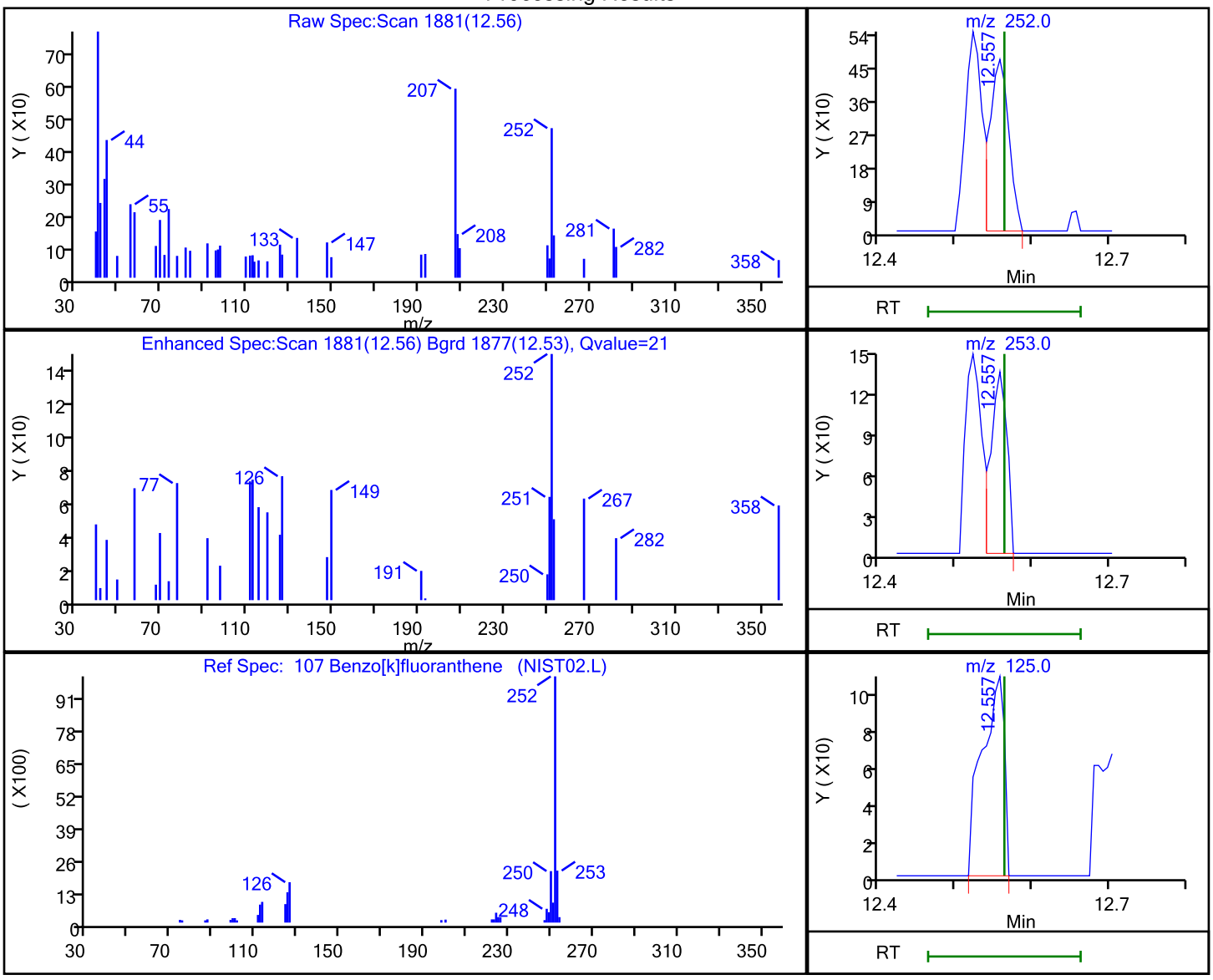
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42506.d				
Injection Date:	29-Jun-2022 23:11:30	Instrument ID:	CBNAMS5		
Lims ID:	MB 460-852750/1-A				
Client ID:					
Operator ID:		ALS Bottle#:	4	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_5R	Limit Group:	SV 8270 DEL ICAL		
Column:		Detector	MS SCAN		

107 Benzo[k]fluoranthene, CAS: 207-08-9

Processing Results



RT	Mass	Response	Amount
12.56	252.00	814	0.075562
12.56	253.00	196	
12.56	125.00	208	

Reviewer: maheseep, 30-Jun-2022 16:22:06

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-260852-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 460-852750/2-A

Matrix: Solid | Lab File ID: X42507.d

Analysis Method: 8270C | Date Collected:

Extract. Method: 3546 | Date Extracted: 06/29/2022 17:17

Sample wt/vol: 15.00(g) | Date Analyzed: 06/29/2022 23:34

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 852810 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
208-96-8	Acenaphthylene	2940		330	9.5
120-12-7	Anthracene	3090		330	10
56-55-3	Benzo[a]anthracene	3040		33	12
205-99-2	Benzo[b]fluoranthene	3240		33	8.6
50-32-8	Benzo[a]pyrene	2940		33	8.8
191-24-2	Benzo[g,h,i]perylene	3240		330	9.8
207-08-9	Benzo[k]fluoranthene	3280		33	6.5
218-01-9	Chrysene	3300		330	5.6
53-70-3	Dibenz(a,h)anthracene	3310		33	14
206-44-0	Fluoranthene	2980		330	12
91-20-3	Naphthalene	2860		330	5.7
85-01-8	Phenanthrene	3060		330	5.8
129-00-0	Pyrene	3390		330	8.2
86-73-7	Fluorene	3180		330	9.7
83-32-9	Acenaphthene	2900		330	9.4
193-39-5	Indeno[1,2,3-cd]pyrene	3400		33	13
91-58-7	2-Chloronaphthalene	3130		330	15
91-57-6	2-Methylnaphthalene	2580		330	9.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	84		22-122
4165-60-0	Nitrobenzene-d5 (Surr)	83		16-125
1718-51-0	Terphenyl-d14 (Surr)	94		25-126

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42507.d
Lims ID: LCS 460-852750/2-A
Client ID:
Sample Type: LCS
Inject. Date: 29-Jun-2022 23:34:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0147251-005
Operator ID: Instrument ID: CBNAMS5

Method: \\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\8270_5R.m
Limit Group: SV 8270 DEL ICAL
Last Update: 30-Jun-2022 11:56:45 Calib Date: 03-Jun-2022 09:29:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS5\20220602-146048.b\X41882.d

Column 1 : Det: MS SCAN
Process Host: CTX1633

First Level Reviewer: DY9Z Date: 30-Jun-2022 00:55:49

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.705	1.701	0.006	98	46943	50.0	26.3	
2 N-Nitrosodimethylamine	74	1.928	1.931	0.000	77	114965	50.0	37.0	
3 Pyridine	79	1.957	1.954	0.005	84	295848	100.0	63.1	
$ 4 2-Fluorophenol	112	3.057	3.056	0.005	91	211409	50.0	41.5	
5 Benzaldehyde	77	3.887	3.898	-0.006	90	116335	20.0	27.0	E
$ 6 Phenol-d5	99	3.957	3.963	0.000	94	271594	50.0	43.4	
7 Phenol	94	3.969	3.980	-0.006	96	298493	50.0	48.5	a
8 Aniline	93	3.993	3.998	0.000	98	300859	50.0	40.3	
9 Bis(2-chloroethyl)ether	93	4.051	4.057	0.000	90	195027	50.0	41.7	
11 2-Chlorophenol	128	4.104	4.116	-0.006	85	220441	50.0	43.8	
12 n-Decane	43	4.151	4.157	0.000	95	247443	50.0	37.4	
13 1,3-Dichlorobenzene	146	4.251	4.257	0.000	93	202835	50.0	37.8	
* 14 1,4-Dichlorobenzene-d4	152	4.304	4.304	0.000	98	138791	40.0	40.0	
15 1,4-Dichlorobenzene	146	4.322	4.328	0.000	91	206253	50.0	38.3	
16 Benzyl alcohol	108	4.440	4.446	0.000	88	139633	50.0	44.2	
17 1,2-Dichlorobenzene	146	4.469	4.475	0.000	89	200242	50.0	39.1	
18 2-Methylphenol	108	4.551	4.558	0.000	77	194189	50.0	45.1	
19 2,2'-oxybis[1-chloropropane]	45	4.569	4.575	0.000	92	371046	50.0	45.4	a
20 N-Methylaniline	106	4.687	4.693	0.000	77	342678	NC	NC	
22 N-Nitrosodi-n-propylamine	70	4.693	4.705	-0.005	78	159008	50.0	44.0	
21 Acetophenone	105	4.693	4.705	-0.005	75	277632	50.0	42.9	
23 3 & 4 Methylphenol	108	4.698	4.711	-0.006	72	218571	50.0	46.9	
24 4-Methylphenol	108	4.698	4.711	-0.006	71	218571	50.0	46.9	
25 Hexachloroethane	117	4.787	4.793	0.000	93	80534	50.0	39.0	
$ 26 Nitrobenzene-d5	82	4.840	4.840	0.000	91	230879	50.0	41.6	
28 Nitrobenzene	123	4.857	4.857	0.000	84	96076	50.0	42.6	
27 n,n'-Dimethylaniline	120	4.857	4.864	0.000	83	323105	50.0	43.4	
31 Isophorone	82	5.081	5.087	-0.006	98	411996	50.0	44.4	
32 2-Nitrophenol	139	5.157	5.157	0.000	84	110189	50.0	48.4	
33 2,4-Dimethylphenol	122	5.204	5.210	-0.006	79	193387	50.0	44.7	
34 Bis(2-chloroethoxy)methane	93	5.293	5.292	0.000	95	245933	50.0	43.5	
35 Benzoic acid	122	5.310	5.328	-0.018	87	113251	50.0	46.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
36 2,4-Dichlorophenol	162	5.393	5.392	0.000	93	172912	50.0	46.2	
37 1,2,4-Trichlorobenzene	180	5.469	5.469	0.000	92	170832	50.0	42.6	
* 38 Naphthalene-d8	136	5.522	5.522	0.000	98	524187	40.0	40.0	
39 Naphthalene	128	5.540	5.540	0.000	99	580881	50.0	43.0	
40 4-Chloroaniline	127	5.598	5.598	0.000	88	208936	50.0	35.7	
130 2,6-Dichlorophenol	162	5.604	5.604	0.000	88	161223	50.0	45.4	
41 Hexachlorobutadiene	225	5.657	5.657	0.000	93	93843	50.0	39.5	
42 Caprolactam	113	5.928	5.951	-0.053	86	37930	20.0	30.7	
43 4-Chloro-3-methylphenol	107	6.069	6.069	0.000	97	182575	50.0	47.3	
44 2-Methylnaphthalene	142	6.198	6.198	0.000	78	347481	50.0	38.7	
45 1-Methylnaphthalene	142	6.293	6.292	0.000	89	350412	50.0	42.6	
46 Hexachlorocyclopentadiene	237	6.345	6.351	0.000	81	120200	50.0	40.7	
47 1,2,4,5-Tetrachlorobenzene	216	6.357	6.362	0.000	96	176988	NC	NC	
48 2-tertbutyl-4-methylphenol	149	6.398	6.398	0.000	74	266477	50.0	49.3	
49 2,4,6-Trichlorophenol	196	6.475	6.480	0.000	88	122444	50.0	48.1	
50 2,4,5-Trichlorophenol	196	6.510	6.515	0.000	93	135024	50.0	48.4	
$ 51 2-Fluorobiphenyl	172	6.551	6.557	0.000	90	418018	50.0	41.8	
52 1,1'-Biphenyl	154	6.645	6.651	0.000	97	457340	50.0	46.1	
53 2-Chloronaphthalene	162	6.663	6.668	0.000	96	356621	50.0	46.9	
54 Phenyl ether	170	6.745	6.751	0.000	85	263025	50.0	48.3	
56 2-Nitroaniline	65	6.763	6.769	0.000	95	158056	50.0	54.3	
57 1,3-Dimethylnaphthalene	156	6.869	6.874	0.000	89	301125	50.0	48.9	
58 Dimethyl phthalate	163	6.940	6.951	-0.005	97	407586	50.0	47.3	
59 Coumarin	146	6.957	6.957	0.000	77	150591	50.0	47.5	
60 2,6-Dinitrotoluene	165	6.998	7.004	0.000	8	91536	50.0	51.5	
61 Acenaphthylene	152	7.051	7.057	0.000	97	551022	50.0	44.2	
64 3-Nitroaniline	138	7.151	7.157	0.000	92	98304	50.0	45.1	
* 65 Acenaphthene-d10	164	7.181	7.181	0.000	87	258420	40.0	40.0	
66 3,5-di-tert-butyl-4-hydroxytol	205	7.210	7.216	0.000	83	317570	50.0	50.3	
67 Acenaphthene	154	7.216	7.222	0.000	94	317823	50.0	43.5	
68 2,4-Dinitrophenol	184	7.257	7.263	0.000	63	96024	100.0	98.8	
69 4-Nitrophenol	65	7.328	7.340	-0.006	89	151796	100.0	98.3	
70 2,4-Dinitrotoluene	165	7.375	7.387	-0.006	49	121661	50.0	52.4	
71 Dibenzofuran	168	7.381	7.387	0.000	92	482623	50.0	46.1	
72 2,3,4,6-Tetrachlorophenol	232	7.498	7.504	0.000	92	106829	NC	NC	
73 Diethyl phthalate	149	7.604	7.616	-0.006	96	427168	50.0	47.9	
75 Fluorene	166	7.698	7.705	0.000	81	393107	50.0	47.7	
74 4-Chlorophenyl phenyl ether	204	7.704	7.710	0.000	73	181510	50.0	47.3	
76 4-Nitroaniline	138	7.734	7.746	-0.005	52	99908	50.0	45.6	
77 4,6-Dinitro-2-methylphenol	198	7.763	7.774	-0.006	64	135175	100.0	119.3	
78 N-Nitrosodiphenylamine	169	7.816	7.827	-0.006	96	290294	50.0	46.7	
79 1,2-Diphenylhydrazine	77	7.857	7.862	0.000	95	432513	50.0	48.6	
$ 80 2,4,6-Tribromophenol	330	7.928	7.934	0.000	94	96678	50.0	47.3	
81 4-Bromophenyl phenyl ether	248	8.163	8.168	0.000	87	120928	50.0	46.4	
83 Hexachlorobenzene	284	8.222	8.227	0.000	93	157299	50.0	46.5	
84 Atrazine	200	8.328	8.333	0.000	85	79862	20.0	33.4	E
85 Pentachlorophenol	266	8.410	8.416	0.000	89	170282	100.0	94.3	
86 Pentachloronitrobenzene	237	8.422	8.427	0.000	83	60777	50.0	53.3	
87 n-Octadecane	57	8.504	8.510	0.000	96	323311	50.0	50.1	
* 88 Phenanthrene-d10	188	8.581	8.581	0.000	99	462378	40.0	40.0	
89 Phenanthrene	178	8.604	8.610	0.000	98	559822	50.0	45.9	
90 Anthracene	178	8.651	8.657	0.000	97	580791	50.0	46.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
91 Carbazole	167	8.810	8.816	0.000	83	525406	50.0	45.0	
92 Di-n-butyl phthalate	149	9.151	9.157	0.000	99	692777	50.0	47.1	
93 Fluoranthene	202	9.728	9.734	0.000	97	592792	50.0	44.7	
94 Benzidine	184	9.863	9.867	0.006	99	300375	50.0	36.6	
95 Pyrene	202	9.939	9.950	0.000	96	612964	50.0	50.9	
82 Bisphenol-A	213	9.998	10.009	0.000	97	135431	NC	NC	
$ 96 Terphenyl-d14	244	10.098	10.109	0.000	98	502690	50.0	46.8	
97 Butyl benzyl phthalate	149	10.592	10.603	0.000	97	282834	50.0	50.8	
99 Carbamazepine	193	10.692	10.703	0.000	91	262261	NC	NC	
100 3,3'-Dichlorobenzidine	252	11.157	11.169	0.000	98	152086	50.0	33.5	
101 Benzo[a]anthracene	228	11.175	11.186	0.000	99	533359	50.0	45.7	
* 102 Chrysene-d12	240	11.186	11.186	0.000	98	375925	40.0	40.0	
103 Chrysene	228	11.216	11.227	0.000	94	535400	50.0	49.5	
104 Bis(2-ethylhexyl) phthalate	149	11.245	11.257	0.000	77	399972	50.0	49.8	
105 Di-n-octyl phthalate	149	12.069	12.085	0.000	94	690220	50.0	51.1	
106 Benzo[b]fluoranthene	252	12.522	12.539	0.000	98	591672	50.0	48.6	
107 Benzo[k]fluoranthene	252	12.557	12.568	-0.006	99	603189	50.0	49.2	
108 Benzo[a]pyrene	252	12.963	12.986	-0.006	95	515031	50.0	44.2	
* 109 Perylene-d12	264	13.039	13.045	-0.006	98	433664	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	14.574	14.600	-0.006	99	609608	50.0	51.0	
111 Dibenz(a,h)anthracene	278	14.615	14.633	-0.006	95	627867	50.0	49.6	
112 Benzo[g,h,i]perylene	276	14.992	15.018	-0.006	96	635164	50.0	48.7	

QC Flag Legend

Processing Flags

NC - Not Calibrated

E - Exceeded Maximum Amount

Review Flags

a - User Assigned ID

Reagents:

SM_ISTD_00196 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 30-Jun-2022 12:09:33 Chrom Revision: 2.3 20-Jun-2022 20:10:40

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42507.d

Injection Date: 29-Jun-2022 23:34:30 Instrument ID: CBNAMS5

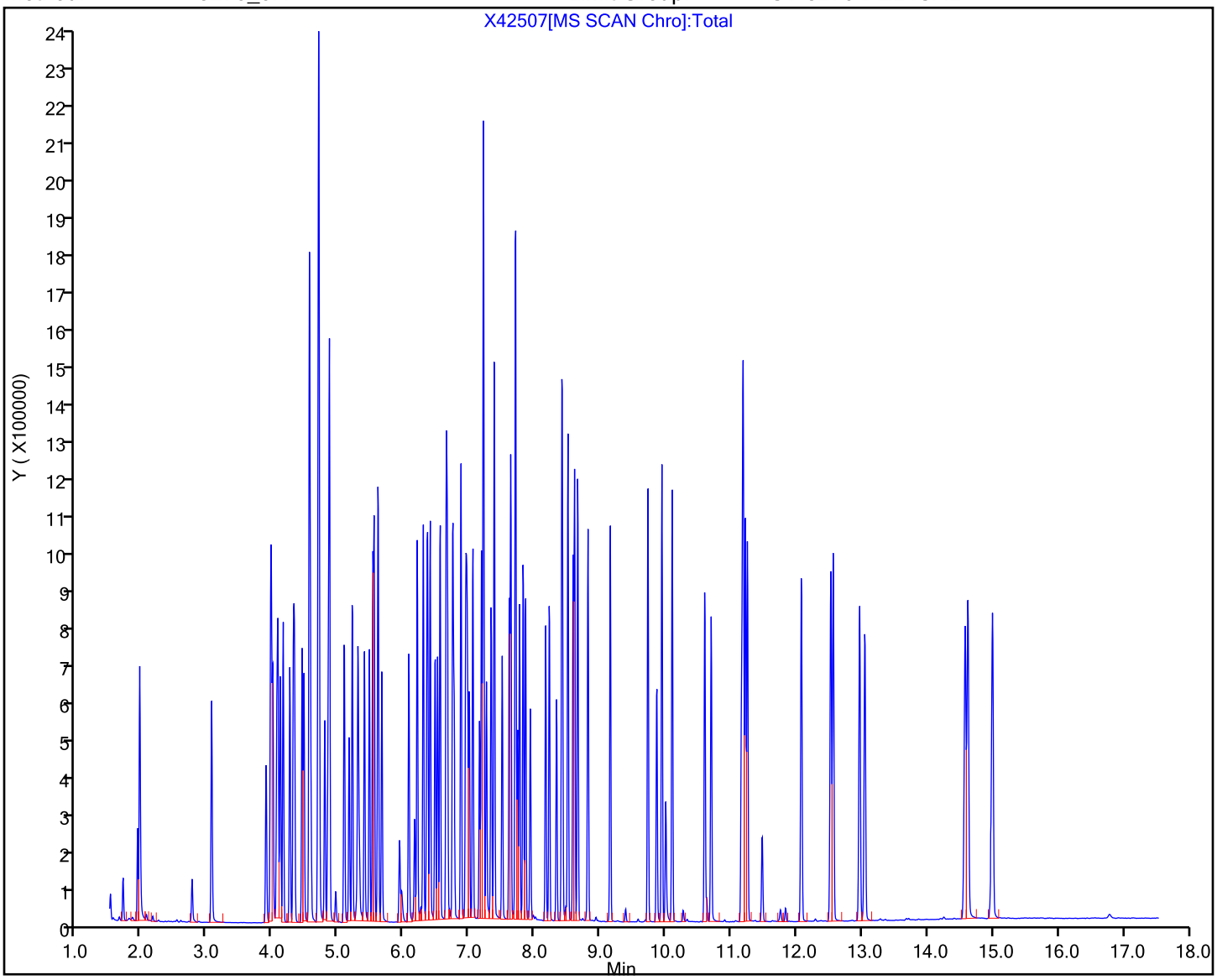
Lims ID: LCS 460-852750/2-A

Client ID:

Operator ID: ALS Bottle#: 5 Worklist Smp#: 5

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8270_5R Limit Group: SV 8270 DEL ICAL



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-260852-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 460-852750/3-A

Matrix: Solid | Lab File ID: X42508.d

Analysis Method: 8270C | Date Collected:

Extract. Method: 3546 | Date Extracted: 06/29/2022 17:17

Sample wt/vol: 15.00(g) | Date Analyzed: 06/29/2022 23:58

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 852810 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
208-96-8	Acenaphthylene	3210		330	9.5
120-12-7	Anthracene	3370		330	10
56-55-3	Benzo[a]anthracene	3410		33	12
205-99-2	Benzo[b]fluoranthene	3410		33	8.6
50-32-8	Benzo[a]pyrene	3190		33	8.8
191-24-2	Benzo[g,h,i]perylene	3440		330	9.8
207-08-9	Benzo[k]fluoranthene	3640		33	6.5
218-01-9	Chrysene	3350		330	5.6
53-70-3	Dibenz(a,h)anthracene	3550		33	14
206-44-0	Fluoranthene	3200		330	12
91-20-3	Naphthalene	3130		330	5.7
85-01-8	Phenanthrene	3320		330	5.8
129-00-0	Pyrene	3560		330	8.2
86-73-7	Fluorene	3440		330	9.7
83-32-9	Acenaphthene	3190		330	9.4
193-39-5	Indeno[1,2,3-cd]pyrene	3590		33	13
91-58-7	2-Chloronaphthalene	3350		330	15
91-57-6	2-Methylnaphthalene	2820		330	9.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	90		22-122
4165-60-0	Nitrobenzene-d5 (Surr)	91		16-125
1718-51-0	Terphenyl-d14 (Surr)	99		25-126

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42508.d
Lims ID: LCSD 460-852750/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 29-Jun-2022 23:58:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0147251-006
Operator ID: Instrument ID: CBNAMS5

Method: \\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\8270_5R.m
Limit Group: SV 8270 DEL ICAL
Last Update: 30-Jun-2022 11:56:45 Calib Date: 03-Jun-2022 09:29:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS5\20220602-146048.b\X41882.d

Column 1 : Det: MS SCAN
Process Host: CTX1633

First Level Reviewer: DY9Z Date: 30-Jun-2022 00:56:42

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.699	1.701	0.000	97	46430	50.0	28.7	
	2 N-Nitrosodimethylamine	74	1.922	1.931	-0.006	76	118336	50.0	42.0	
	3 Pyridine	79	1.957	1.954	0.005	85	298599	100.0	70.3	
$	4 2-Fluorophenol	112	3.057	3.056	0.005	92	214914	50.0	46.6	
	5 Benzaldehyde	77	3.887	3.898	-0.006	90	118411	20.0	30.4	E
$	6 Phenol-d5	99	3.957	3.963	0.000	92	265426	50.0	46.9	
	7 Phenol	94	3.969	3.980	-0.006	96	292250	50.0	52.5	
	8 Aniline	93	3.993	3.998	0.000	98	265277	50.0	39.2	a
	9 Bis(2-chloroethyl)ether	93	4.051	4.057	0.000	89	198697	50.0	47.0	
	11 2-Chlorophenol	128	4.104	4.116	-0.006	85	222647	50.0	48.8	
	12 n-Decane	43	4.151	4.157	0.000	95	253566	50.0	42.4	
	13 1,3-Dichlorobenzene	146	4.251	4.257	0.000	93	207729	50.0	42.7	
*	14 1,4-Dichlorobenzene-d4	152	4.304	4.304	0.000	98	125642	40.0	40.0	
	15 1,4-Dichlorobenzene	146	4.322	4.328	0.000	90	210471	50.0	43.2	
	16 Benzyl alcohol	108	4.440	4.446	0.000	88	138774	50.0	48.6	
	17 1,2-Dichlorobenzene	146	4.469	4.475	0.000	90	201813	50.0	43.6	
	18 2-Methylphenol	108	4.551	4.558	0.000	76	191105	50.0	49.0	
	19 2,2'-oxybis[1-chloropropane]	45	4.569	4.575	0.000	92	374827	50.0	50.6	a
	20 N-Methylaniline	106	4.687	4.693	0.000	79	349909	NC	NC	
	22 N-Nitrosodi-n-propylamine	70	4.693	4.705	-0.005	77	158107	50.0	48.3	
	21 Acetophenone	105	4.693	4.705	-0.005	76	281652	50.0	48.0	
	23 3 & 4 Methylphenol	108	4.698	4.711	-0.006	72	217038	50.0	51.5	
	24 4-Methylphenol	108	4.698	4.711	-0.006	71	217038	50.0	51.5	
	25 Hexachloroethane	117	4.787	4.793	0.000	93	83564	50.0	44.7	
$	26 Nitrobenzene-d5	82	4.840	4.840	0.000	91	230942	50.0	45.6	
	28 Nitrobenzene	123	4.857	4.857	0.000	84	97211	50.0	47.6	
	27 n,n'-Dimethylaniline	120	4.857	4.864	0.000	83	328708	50.0	48.8	
	31 Isophorone	82	5.087	5.087	0.000	98	406460	50.0	48.0	
	32 2-Nitrophenol	139	5.157	5.157	0.000	84	110510	50.0	53.3	
	33 2,4-Dimethylphenol	122	5.210	5.210	0.000	80	190565	50.0	48.2	
	34 Bis(2-chloroethoxy)methane	93	5.293	5.292	0.000	95	245253	50.0	47.5	
	35 Benzoic acid	122	5.310	5.328	-0.018	86	105082	50.0	47.1	

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37 1,2,4-Trichlorobenzene	180	5.469	5.469	0.000	92	171692	50.0	46.9	
* 38 Naphthalene-d8	136	5.522	5.522	0.000	98	478182	40.0	40.0	
39 Naphthalene	128	5.540	5.540	0.000	99	579446	50.0	47.0	
40 4-Chloroaniline	127	5.598	5.598	0.000	86	161404	50.0	30.3	
130 2,6-Dichlorophenol	162	5.604	5.604	0.000	91	161699	50.0	49.9	
41 Hexachlorobutadiene	225	5.657	5.657	0.000	93	93630	50.0	43.2	
42 Caprolactam	113	5.928	5.951	-0.053	86	35405	20.0	31.4	
43 4-Chloro-3-methylphenol	107	6.069	6.069	0.000	97	180719	50.0	51.3	
44 2-Methylnaphthalene	142	6.198	6.198	0.000	78	346609	50.0	42.4	
45 1-Methylnaphthalene	142	6.293	6.292	0.000	89	350368	50.0	46.7	
46 Hexachlorocyclopentadiene	237	6.345	6.351	0.000	82	125512	50.0	47.2	
47 1,2,4,5-Tetrachlorobenzene	216	6.357	6.362	0.000	95	172057	NC	NC	
48 2-tertbutyl-4-methylphenol	149	6.398	6.398	0.000	74	258219	50.0	52.3	
49 2,4,6-Trichlorophenol	196	6.475	6.480	0.000	88	118618	50.0	51.7	
50 2,4,5-Trichlorophenol	196	6.510	6.515	0.000	93	131206	50.0	52.2	
$ 51 2-Fluorobiphenyl	172	6.551	6.557	0.000	90	403768	50.0	44.8	
52 1,1'-Biphenyl	154	6.645	6.651	0.000	97	449653	50.0	50.2	
53 2-Chloronaphthalene	162	6.657	6.668	-0.006	94	344412	50.0	50.2	
54 Phenyl ether	170	6.745	6.751	0.000	85	259033	50.0	52.8	
56 2-Nitroaniline	65	6.763	6.769	0.000	95	154610	50.0	58.9	
57 1,3-Dimethylnaphthalene	156	6.869	6.874	0.000	88	300352	50.0	54.1	
58 Dimethyl phthalate	163	6.940	6.951	-0.005	97	398096	50.0	51.2	
59 Coumarin	146	6.957	6.957	0.000	77	147459	50.0	51.0	
60 2,6-Dinitrotoluene	165	6.998	7.004	0.000	8	89492	50.0	55.8	
61 Acenaphthylene	152	7.051	7.057	0.000	96	542660	50.0	48.2	
64 3-Nitroaniline	138	7.151	7.157	0.000	92	87098	50.0	44.3	
* 65 Acenaphthene-d10	164	7.181	7.181	0.000	87	233005	40.0	40.0	
66 3,5-di-tert-butyl-4-hydroxytol	205	7.210	7.216	0.000	83	317881	50.0	55.8	
67 Acenaphthene	154	7.216	7.222	0.000	94	315620	50.0	47.9	
68 2,4-Dinitrophenol	184	7.257	7.263	0.000	59	87077	100.0	99.3	
69 4-Nitrophenol	65	7.328	7.340	-0.006	90	155457	100.0	111.7	
70 2,4-Dinitrotoluene	165	7.375	7.387	-0.006	48	118295	50.0	56.5	
71 Dibenzofuran	168	7.381	7.387	0.000	91	472044	50.0	50.0	
72 2,3,4,6-Tetrachlorophenol	232	7.498	7.504	0.000	91	101914	NC	NC	
73 Diethyl phthalate	149	7.604	7.616	-0.006	97	412419	50.0	51.3	
75 Fluorene	166	7.698	7.705	0.000	81	383121	50.0	51.6	
74 4-Chlorophenyl phenyl ether	204	7.704	7.710	0.000	73	180129	50.0	52.1	
76 4-Nitroaniline	138	7.734	7.746	-0.005	43	96113	50.0	48.7	
77 4,6-Dinitro-2-methylphenol	198	7.763	7.774	-0.006	64	127862	100.0	124.7	
78 N-Nitrosodiphenylamine	169	7.816	7.827	-0.006	96	284400	50.0	50.6	
79 1,2-Diphenylhydrazine	77	7.857	7.862	0.000	95	425771	50.0	52.8	
$ 80 2,4,6-Tribromophenol	330	7.928	7.934	0.000	93	93300	50.0	50.6	
81 4-Bromophenyl phenyl ether	248	8.163	8.168	0.000	87	119898	50.0	50.8	
83 Hexachlorobenzene	284	8.222	8.227	0.000	93	153819	50.0	50.2	
84 Atrazine	200	8.328	8.333	0.000	85	73068	20.0	33.8	E
85 Pentachlorophenol	266	8.410	8.416	0.000	87	164995	100.0	101.0	
86 Pentachloronitrobenzene	237	8.422	8.427	0.000	83	58730	50.0	56.8	
87 n-Octadecane	57	8.504	8.510	0.000	96	315284	50.0	54.0	
* 88 Phenanthrene-d10	188	8.581	8.581	0.000	99	418573	40.0	40.0	
89 Phenanthrene	178	8.604	8.610	0.000	98	548844	50.0	49.7	
90 Anthracene	178	8.651	8.657	0.000	97	573546	50.0	50.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
91 Carbazole	167	8.810	8.816	0.000	83	518599	50.0	49.0	
92 Di-n-butyl phthalate	149	9.151	9.157	0.000	99	673308	50.0	50.6	
93 Fluoranthene	202	9.728	9.734	0.000	97	575606	50.0	48.0	
94 Benzidine	184	9.863	9.867	0.006	99	268914	50.0	36.2	
95 Pyrene	202	9.939	9.950	0.000	96	593875	50.0	53.4	
82 Bisphenol-A	213	9.998	10.009	0.000	97	136651	NC	NC	
$ 96 Terphenyl-d14	244	10.098	10.109	0.000	97	489999	50.0	49.4	
97 Butyl benzyl phthalate	149	10.598	10.603	0.006	97	275568	50.0	53.7	
99 Carbamazepine	193	10.692	10.703	0.000	92	261061	NC	NC	
100 3,3'-Dichlorobenzidine	252	11.157	11.169	0.000	98	115082	50.0	27.5	
101 Benzo[a]anthracene	228	11.175	11.186	0.000	100	551492	50.0	51.2	
* 102 Chrysene-d12	240	11.186	11.186	0.000	98	346802	40.0	40.0	
103 Chrysene	228	11.216	11.227	0.000	94	500982	50.0	50.2	
104 Bis(2-ethylhexyl) phthalate	149	11.245	11.257	0.000	85	393255	50.0	53.0	
105 Di-n-octyl phthalate	149	12.074	12.085	0.005	96	680965	50.0	55.1	
106 Benzo[b]fluoranthene	252	12.522	12.539	0.000	98	568802	50.0	51.1	
107 Benzo[k]fluoranthene	252	12.563	12.568	0.000	98	612275	50.0	54.6	
108 Benzo[a]pyrene	252	12.963	12.986	-0.006	96	510950	50.0	47.9	
* 109 Perylene-d12	264	13.039	13.045	-0.006	98	396528	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	14.574	14.600	-0.006	95	587501	50.0	53.8	
111 Dibenz(a,h)anthracene	278	14.615	14.633	-0.006	95	616410	50.0	53.3	
112 Benzo[g,h,i]perylene	276	14.992	15.018	-0.006	93	615684	50.0	51.6	

QC Flag Legend

Processing Flags

NC - Not Calibrated

E - Exceeded Maximum Amount

Review Flags

a - User Assigned ID

Reagents:

SM_ISTD_00196 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 30-Jun-2022 12:09:36 Chrom Revision: 2.3 20-Jun-2022 20:10:40

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS5\20220629-147251.b\X42508.d

Injection Date: 29-Jun-2022 23:58:30 Instrument ID: CBNAMS5

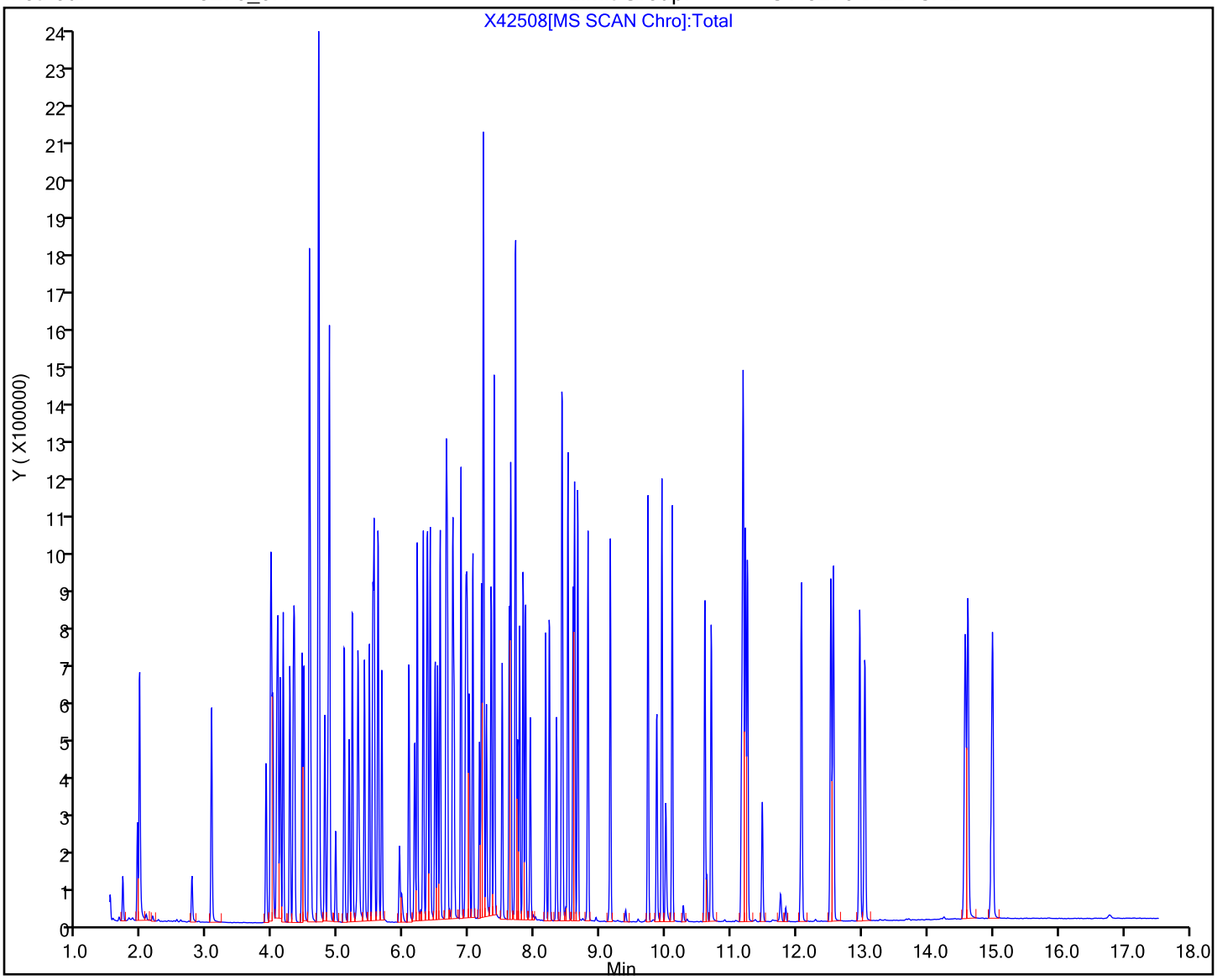
Lims ID: LCSD 460-852750/3-A

Client ID:

Operator ID: ALS Bottle#: 6 Worklist Smp#: 6

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8270_5R Limit Group: SV 8270 DEL ICAL



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-260852-1

SDG No.:

Client Sample ID: | Lab Sample ID: 460-260962-A-1-G MS

Matrix: Solid | Lab File ID: X42510.d

Analysis Method: 8270C | Date Collected:

Extract. Method: 3546 | Date Extracted: 06/29/2022 17:17

Sample wt/vol: 15.00(g) | Date Analyzed: 06/30/2022 00:45

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: 23.1 % Solids: 76.9 | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 852810 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
208-96-8	Acenaphthylene	2650		430	12
120-12-7	Anthracene	2760		430	13
56-55-3	Benzo[a]anthracene	2790		43	15
205-99-2	Benzo[b]fluoranthene	2900		43	11
50-32-8	Benzo[a]pyrene	2620		43	11
191-24-2	Benzo[g,h,i]perylene	2770		430	13
207-08-9	Benzo[k]fluoranthene	2870		43	8.4
218-01-9	Chrysene	2780		430	7.3
53-70-3	Dibenz(a,h)anthracene	2890		43	19
206-44-0	Fluoranthene	2630		430	15
91-20-3	Naphthalene	2610		430	7.4
85-01-8	Phenanthrene	2780		430	7.6
129-00-0	Pyrene	3020		430	11
86-73-7	Fluorene	2870		430	13
83-32-9	Acenaphthene	2590		430	12
193-39-5	Indeno[1,2,3-cd]pyrene	2950		43	17
91-58-7	2-Chloronaphthalene	2800		430	20
91-57-6	2-Methylnaphthalene	2360		430	12

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	57		22-122
4165-60-0	Nitrobenzene-d5 (Surr)	57		16-125
1718-51-0	Terphenyl-d14 (Surr)	64		25-126

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-260852-1

SDG No.:

Client Sample ID: | Lab Sample ID: 460-260962-A-1-H MSD

Matrix: Solid | Lab File ID: X42511.d

Analysis Method: 8270C | Date Collected:

Extract. Method: 3546 | Date Extracted: 06/29/2022 17:17

Sample wt/vol: 15.00(g) | Date Analyzed: 06/30/2022 01:08

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: 23.1 % Solids: 76.9 | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 852810 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
208-96-8	Acenaphthylene	2090		430	12
120-12-7	Anthracene	2180		430	13
56-55-3	Benzo[a]anthracene	2230		43	15
205-99-2	Benzo[b]fluoranthene	2220		43	11
50-32-8	Benzo[a]pyrene	2020		43	11
191-24-2	Benzo[g,h,i]perylene	2170		430	13
207-08-9	Benzo[k]fluoranthene	2220		43	8.4
218-01-9	Chrysene	2180		430	7.3
53-70-3	Dibenz(a,h)anthracene	2260		43	19
206-44-0	Fluoranthene	2060		430	15
91-20-3	Naphthalene	2080		430	7.4
85-01-8	Phenanthrene	2140		430	7.6
129-00-0	Pyrene	2360		430	11
86-73-7	Fluorene	2290		430	13
83-32-9	Acenaphthene	2060		430	12
193-39-5	Indeno[1,2,3-cd]pyrene	2270		43	17
91-58-7	2-Chloronaphthalene	2200		430	20
91-57-6	2-Methylnaphthalene	1870		430	12

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	46		22-122
4165-60-0	Nitrobenzene-d5 (Surr)	46		16-125
1718-51-0	Terphenyl-d14 (Surr)	51		25-126

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Edison Job No.: 460-260852-1

SDG No.:

Instrument ID: CBNAMS15 Start Date: 03/30/2022 08:25

Analysis Batch Number: 836322 End Date: 03/30/2022 11:09

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-836322/1		03/30/2022 08:25	1	f460644.D	Rtxi-5Sil MS 0.25(mm)
ICIS 460-836322/2		03/30/2022 08:33	1	f460645.D	Rtxi-5Sil MS 0.25(mm)
STD120 460-836322/3 IC		03/30/2022 08:51	1	f460646.D	Rtxi-5Sil MS 0.25(mm)
STD80 460-836322/4 IC		03/30/2022 09:08	1	f460647.D	Rtxi-5Sil MS 0.25(mm)
STD20 460-836322/5 IC		03/30/2022 09:25	1	f460648.D	Rtxi-5Sil MS 0.25(mm)
STD10 460-836322/6 IC		03/30/2022 09:42	1	f460649.D	Rtxi-5Sil MS 0.25(mm)
STD5 460-836322/7 IC		03/30/2022 10:00	1	f460650.D	Rtxi-5Sil MS 0.25(mm)
STD2 460-836322/8 IC		03/30/2022 10:17	1	f460651.D	Rtxi-5Sil MS 0.25(mm)
STD1 460-836322/9 IC		03/30/2022 10:34	1	f460652.D	Rtxi-5Sil MS 0.25(mm)
STD05 460-836322/10 IC		03/30/2022 10:52	1	f460653.D	Rtxi-5Sil MS 0.25(mm)
ICV 460-836322/11		03/30/2022 11:09	1	f460654.D	Rtxi-5Sil MS 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Edison Job No.: 460-260852-1

SDG No.:

Instrument ID: CBNAMS15 Start Date: 06/30/2022 10:57

Analysis Batch Number: 852915 End Date: 06/30/2022 22:09

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVIS 460-852915/2		06/30/2022 10:57	1	f463605.D	Rtxi-5Sil MS 0.25(mm)
460-260852-11 DL	BHP-HA05-COMP-S001 DL	06/30/2022 21:17	5	f463641.D	Rtxi-5Sil MS 0.25(mm)
460-260852-11 DL2	BHP-HA05-COMP-S001 DL2	06/30/2022 21:52	10	f463643.D	Rtxi-5Sil MS 0.25(mm)
CCV 460-852915/41		06/30/2022 22:09	1	f463644.D	Rtxi-5Sil MS 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Edison Job No.: 460-260852-1

SDG No.:

Instrument ID: CBNAMS5 Start Date: 06/03/2022 06:01

Analysis Batch Number: 847814 End Date: 06/03/2022 09:53

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-847814/1		06/03/2022 06:01	1	X41873.d	Rtxi-5Sil MS 0.25(mm)
ICIS 460-847814/2		06/03/2022 06:21	1	X41874.d	Rtxi-5Sil MS 0.25(mm)
STD120 460-847814/3 IC		06/03/2022 06:44	1	X41875.d	Rtxi-5Sil MS 0.25(mm)
STD80 460-847814/4 IC		06/03/2022 07:08	1	X41876.d	Rtxi-5Sil MS 0.25(mm)
STD20 460-847814/5 IC		06/03/2022 07:31	1	X41877.d	Rtxi-5Sil MS 0.25(mm)
STD10 460-847814/6 IC		06/03/2022 07:55	1	X41878.d	Rtxi-5Sil MS 0.25(mm)
STD5 460-847814/7 IC		06/03/2022 08:19	1	X41879.d	Rtxi-5Sil MS 0.25(mm)
STD2 460-847814/8 IC		06/03/2022 08:42	1	X41880.d	Rtxi-5Sil MS 0.25(mm)
STD1 460-847814/9 IC		06/03/2022 09:06	1	X41881.d	Rtxi-5Sil MS 0.25(mm)
STD05 460-847814/10 IC		06/03/2022 09:29	1	X41882.d	Rtxi-5Sil MS 0.25(mm)
ICV 460-847814/11		06/03/2022 09:53	1	X41883.d	Rtxi-5Sil MS 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Edison Job No.: 460-260852-1

SDG No.:

Instrument ID: CBNAMS5 Start Date: 06/29/2022 22:23

Analysis Batch Number: 852810 End Date: 06/30/2022 10:32

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVIS 460-852810/2		06/29/2022 22:23	1	X42504.d	Rtxi-5Sil MS 0.25(mm)
MB 460-852750/1-A		06/29/2022 23:11	1	X42506.d	Rtxi-5Sil MS 0.25(mm)
LCS 460-852750/2-A		06/29/2022 23:34	1	X42507.d	Rtxi-5Sil MS 0.25(mm)
LCSD 460-852750/3-A		06/29/2022 23:58	1	X42508.d	Rtxi-5Sil MS 0.25(mm)
ZZZZZ		06/30/2022 00:21	1		Rtxi-5Sil MS 0.25(mm)
460-260962-A-1-G MS		06/30/2022 00:45	1	X42510.d	Rtxi-5Sil MS 0.25(mm)
460-260962-A-1-H MSD		06/30/2022 01:08	1	X42511.d	Rtxi-5Sil MS 0.25(mm)
460-260852-7	BHP-HA03-COMP-S001	06/30/2022 01:55	1	X42513.d	Rtxi-5Sil MS 0.25(mm)
460-260852-17	BHP-HA08-COMP-S001	06/30/2022 02:19	1	X42514.d	Rtxi-5Sil MS 0.25(mm)
460-260852-8	BHP-HA03-COMP-S002	06/30/2022 02:42	1	X42515.d	Rtxi-5Sil MS 0.25(mm)
460-260852-11	BHP-HA05-COMP-S001	06/30/2022 03:06	1	X42516.d	Rtxi-5Sil MS 0.25(mm)
460-260852-15	BHP-HA07-COMP-S001	06/30/2022 03:29	1	X42517.d	Rtxi-5Sil MS 0.25(mm)
460-260852-16	BHP-HA07-COMP-S002	06/30/2022 03:53	1	X42518.d	Rtxi-5Sil MS 0.25(mm)
460-260852-3	BHP-HA01-COMP-S001	06/30/2022 10:09	1	X42534.d	Rtxi-5Sil MS 0.25(mm)
CCV 460-852810/33		06/30/2022 10:32	1	X42535.d	Rtxi-5Sil MS 0.25(mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-260852-1

SDG No.:

Batch Number: 836322 Batch Start Date: 03/30/22 08:25 Batch Analyst: Johnston, Mark D

Batch Method: 8270C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	SMDFTP_CH 00034	SV_BNA_ICV 00006	SV_BNA_L1 00003	SV_BNA_L2 00003	SV_BNA_L3 00003	SV_BNA_L4 00003
DFTPP 460-836322/1		8270C		1 mL					
ICIS 460-836322/2		8270C							
STD120 460-836322/3 IC		8270C							
STD80 460-836322/4 IC		8270C							
STD20 460-836322/5 IC		8270C							
STD10 460-836322/6 IC		8270C							
STD5 460-836322/7 IC		8270C							1 mL
STD2 460-836322/8 IC		8270C						1 mL	
STD1 460-836322/9 IC		8270C					1 mL		
STD05 460-836322/10 IC		8270C				1 mL			
ICV 460-836322/11		8270C			1 mL				

Lab Sample ID	Client Sample ID	Method Chain	Basis	SV_BNA_L5 00003	SV_BNA_L6 00003	SV_BNA_L7 00003	SV_BNA_L8 00003	SV_BNA_L9 00003	
DFTPP 460-836322/1		8270C							
ICIS 460-836322/2		8270C				1 mL			
STD120 460-836322/3 IC		8270C						1 mL	
STD80 460-836322/4 IC		8270C					1 mL		
STD20 460-836322/5 IC		8270C			1 mL				
STD10 460-836322/6 IC		8270C		1 mL					
STD5 460-836322/7 IC		8270C							
STD2 460-836322/8 IC		8270C							

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 Edison Job No.: 460-260852-1

SDG No.:

Batch Number: 836322 Batch Start Date: 03/30/22 08:25 Batch Analyst: Johnston, Mark D

Batch Method: 8270C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	SV_BNA_L5 00003	SV_BNA_L6 00003	SV_BNA_L7 00003	SV_BNA_L8 00003	SV_BNA_L9 00003	
STD1 460-836322/9 IC		8270C							
STD05 460-836322/10 IC		8270C							
ICV 460-836322/11		8270C							

Batch Notes	

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 Edison Job No.: 460-260852-1

SDG No.:

Batch Number: 847814 Batch Start Date: 06/03/22 06:01 Batch Analyst: Johnston, Mark D

Batch Method: 8270C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	SMDFTP_CH 00034	SV_BNA_ICV 00006	SV_BNA_L1 00004	SV_BNA_L2 00004	SV_BNA_L3 00004	SV_BNA_L4 00004
DFTPP 460-847814/1		8270C		1 mL					
ICIS 460-847814/2		8270C							
STD120 460-847814/3 IC		8270C							
STD80 460-847814/4 IC		8270C							
STD20 460-847814/5 IC		8270C							
STD10 460-847814/6 IC		8270C							
STD5 460-847814/7 IC		8270C							1 mL
STD2 460-847814/8 IC		8270C						1 mL	
STD1 460-847814/9 IC		8270C					1 mL		
STD05 460-847814/10 IC		8270C				1 mL			
ICV 460-847814/11		8270C			1 mL				

Lab Sample ID	Client Sample ID	Method Chain	Basis	SV_BNA_L5 00004	SV_BNA_L6 00004	SV_BNA_L7 00004	SV_BNA_L8 00004	SV_BNA_L9 00004	
DFTPP 460-847814/1		8270C							
ICIS 460-847814/2		8270C				1 mL			
STD120 460-847814/3 IC		8270C						1 mL	
STD80 460-847814/4 IC		8270C					1 mL		
STD20 460-847814/5 IC		8270C			1 mL				
STD10 460-847814/6 IC		8270C		1 mL					
STD5 460-847814/7 IC		8270C							
STD2 460-847814/8 IC		8270C							

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 Edison Job No.: 460-260852-1

SDG No.:

Batch Number: 847814 Batch Start Date: 06/03/22 06:01 Batch Analyst: Johnston, Mark D

Batch Method: 8270C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	SV_BNA_L5 00004	SV_BNA_L6 00004	SV_BNA_L7 00004	SV_BNA_L8 00004	SV_BNA_L9 00004	
STD1 460-847814/9 IC		8270C							
STD05 460-847814/10 IC		8270C							
ICV 460-847814/11		8270C							

Batch Notes	

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 Edison Job No.: 460-260852-1

SDG No.:

Batch Number: 852750 Batch Start Date: 06/29/22 17:17 Batch Analyst: Smith, Da'aiyah M

Batch Method: 3546 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	OP_Benzald_sp 00018	OP_BNA SPIK 00043	OP_BNASurroga 00023	
MB 460-852750/1		3546, 8270C		15.00 g	1 mL			500 uL	
LCS 460-852750/2		3546, 8270C		15.00 g	1 mL	10 uL	500 uL	500 uL	
LCSD 460-852750/3		3546, 8270C		15.00 g	1 mL	10 uL	500 uL	500 uL	
460-260962-A-1 MS		3546, 8270C	T	15.00 g	1 mL	10 uL	500 uL	500 uL	
460-260962-A-1 MSD		3546, 8270C	T	15.00 g	1 mL	10 uL	500 uL	500 uL	
460-260852-A-3	BHP-HA01-COMP-S001	3546, 8270C	T	15.00 g	1 mL			500 uL	
460-260852-A-7	BHP-HA03-COMP-S001	3546, 8270C	T	15.00 g	1 mL			500 uL	
460-260852-A-8	BHP-HA03-COMP-S002	3546, 8270C	T	15.00 g	1 mL			500 uL	
460-260852-A-11	BHP-HA05-COMP-S001	3546, 8270C	T	15.00 g	1 mL			500 uL	
460-260852-A-15	BHP-HA07-COMP-S001	3546, 8270C	T	15.00 g	1 mL			500 uL	
460-260852-A-16	BHP-HA07-COMP-S002	3546, 8270C	T	15.00 g	1 mL			500 uL	
460-260852-A-17	BHP-HA08-COMP-S001	3546, 8270C	T	15.00 g	1 mL			500 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 Edison Job No.: 460-260852-1

SDG No.:

Batch Number: 852750 Batch Start Date: 06/29/22 17:17 Batch Analyst: Smith, Da'aiyah M

Batch Method: 3546 Batch End Date:

Batch Notes	
Method/Fraction	3546 / 8270E
Balance ID	34
Microwave Oven ID	MD-1952
Analyst ID - Extraction	DS
Blank Matrix ID	181427
Analyst ID - Spike Analyst	DS
Analyst ID - Spike Witness Analyst	ARCHIE
Prep Solvent ID	Dichloromethane: 126002 & Acetone: 362005
Na2SO4 ID	214885
Analyst ID - Concentration	DS
Equipment ID - Concentration 1	31869
Thermometer ID - Concentration 1	31869
Concentration 1 Uncorrected Temperature	34.0 Degrees C
Concentration 1 Corrected Temperature	34.0 Degrees C
Vial Lot Number	21036163
Batch Comment	BNA Soil

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.

8081B

Organochlorine Pesticides by Gas Chromatography

FORM II
PESTICIDES SURROGATE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-260852-1

SDG No.:

Matrix: Solid (TCLP) Level: Low

GC Column (1): Rtx-CLP ID: 0.53(mm) GC Column (2): CLP-2 ID: 0.53(mm)

Client Sample ID	Lab Sample ID	TCX1 #	TCX2 #	DCBP1 #	DCBP2 #
BHP-FENCE-COMP-S001	460-260852-2	70	75	90	79
	MB 460-852619/1-A	81	85	86	81
	LB 460-852487/1-C	75	78	81	77
	LCS 460-852619/2-A	79	81	84	78
	LCSD 460-852619/3-A	79	80	84	77

	QC LIMITS
TCX = Tetrachloro-m-xylene	17-120
DCBP = DCB Decachlorobiphenyl	15-121

Column to be used to flag recovery values

FORM II 8081B

FORM III
PESTICIDES LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-260852-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 12F0039122.D

Lab ID: LCS 460-852619/2-A Client ID:

COMPOUND	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC	QC LIMITS REC	#
Endrin	0.000800	0.000768	96	57-135	
Endrin	0.000800	0.000792	99	57-135	
gamma-BHC (Lindane)	0.000800	0.000833	104	65-123	
gamma-BHC (Lindane)	0.000800	0.000839	105	65-123	
Heptachlor	0.000800	0.000805	101	59-120	
Heptachlor	0.000800	0.000806	101	59-120	
Heptachlor epoxide	0.000800	0.000784	98	59-128	
Heptachlor epoxide	0.000800	0.000783	98	59-128	
Methoxychlor	0.000800	0.000710	89	35-138	
Methoxychlor	0.000800	0.000764	96	35-138	

Column to be used to flag recovery and RPD values

FORM III 8081B

FORM III
PESTICIDES LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-260852-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 12F0039123.D

Lab ID: LCSD 460-852619/3-A Client ID:

COMPOUND	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Endrin	0.000800	0.000742	93	3	30	57-135	
Endrin	0.000800	0.000789	99	0	30	57-135	
gamma-BHC (Lindane)	0.000800	0.000824	103	2	30	65-123	
gamma-BHC (Lindane)	0.000800	0.000823	103	1	30	65-123	
Heptachlor	0.000800	0.000794	99	1	30	59-120	
Heptachlor	0.000800	0.000816	102	1	30	59-120	
Heptachlor epoxide	0.000800	0.000766	96	2	30	59-128	
Heptachlor epoxide	0.000800	0.000782	98	0	30	59-128	
Methoxychlor	0.000800	0.000689	86	3	30	35-138	
Methoxychlor	0.000800	0.000756	95	1	30	35-138	

Column to be used to flag recovery and RPD values

FORM III 8081B

FORM IV
PESTICIDES METHOD BLANK SUMMARY

Lab Name: Eurofins Edison Job No.: 460-260852-1

SDG No.:

Lab Sample ID: MB 460-852619/1-A

Matrix: Water Date Extracted: 06/29/2022 09:15

Lab File ID:(1) 12F0039121.D Lab File ID:(2) 12F0039121.D

Date Analyzed:(1) 06/29/2022 19:12 Date Analyzed:(2) 06/29/2022 19:12

Instrument ID:(1) CPESTGC12 Instrument ID:(2) CPESTGC12

GC Column:(1) Rtx-CLP ID: 0.53(mm) GC Column:(2) CLP-2 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 460-852619/2-A	06/29/2022 19:24	06/29/2022 19:24
	LCSD 460-852619/3-A	06/29/2022 19:36	06/29/2022 19:36
	LB 460-852487/1-C	06/29/2022 20:38	06/29/2022 20:38
BHP-FENCE-COMP-S001	460-260852-2	06/29/2022 22:29	06/29/2022 22:29

FORM VIII
PESTICIDES INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Edison Job No.: 460-260852-1

SDG No.:

Sample No.: IC 460-851539/18 Date Analyzed: 06/23/2022 14:12

Instrument ID: CPESTGC12 GC Column: CLP-2 ID: 0.53(mm)

Lab File ID (Standard): 12F0038967.D Heated Purge: (Y/N) N

Calibration ID: 90776

		BNB					
		AREA #	RT #	#	RT #	#	RT #
INITIAL CALIBRATION MID-POINT		137199321	1.63				
UPPER LIMIT		274398642	1.70				
LOWER LIMIT		68599661	1.56				
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 460-851539/21		135789232	1.63				
ICV 460-851539/22		130113712	1.63				

BNB = 1-Bromo-2-nitrobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.07 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8081B

FORM VIII
PESTICIDES INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Edison Job No.: 460-260852-1

SDG No.:

Sample No.: IC 460-851539/18 Date Analyzed: 06/23/2022 14:12

Instrument ID: CPESTGC12 GC Column: Rtx-CLP ID: 0.53(mm)

Lab File ID (Standard): 12F0038967.D Heated Purge: (Y/N) N

Calibration ID: 90777

		BNB					
		AREA #	RT #	#	RT #	#	RT #
INITIAL CALIBRATION MID-POINT		225528607	1.55				
UPPER LIMIT		451057214	1.62				
LOWER LIMIT		112764304	1.48				
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 460-851539/21		223945493	1.55				
ICV 460-851539/22		214178732	1.55				

BNB = 1-Bromo-2-nitrobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.07 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8081B

FORM VIII
PESTICIDES INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Edison Job No.: 460-260852-1

SDG No.:

Sample No.: IC 460-851903/6 Date Analyzed: 06/24/2022 18:20

Instrument ID: CPESTGC12 GC Column: CLP-2 ID: 0.53(mm)

Lab File ID (Standard): 12F0038977.D Heated Purge: (Y/N) N

Calibration ID: 90782

		BNB					
		AREA #	RT #	#	RT #	#	RT #
INITIAL CALIBRATION MID-POINT		166011405	1.63				
UPPER LIMIT		332022810	1.70				
LOWER LIMIT		83005703	1.56				
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 460-851903/10		179781505	1.64				

BNB = 1-Bromo-2-nitrobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.07 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8081B

FORM VIII
PESTICIDES INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Edison Job No.: 460-260852-1

SDG No.:

Sample No.: IC 460-851903/6 Date Analyzed: 06/24/2022 18:20

Instrument ID: CPESTGC12 GC Column: Rtx-CLP ID: 0.53(mm)

Lab File ID (Standard): 12F0038977.D Heated Purge: (Y/N) N

Calibration ID: 90783

		BNB					
		AREA #	RT #	#	RT #	#	RT #
INITIAL CALIBRATION MID-POINT		283338802	1.55				
UPPER LIMIT		566677604	1.62				
LOWER LIMIT		141669401	1.48				
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 460-851903/10		307333399	1.55				

BNB = 1-Bromo-2-nitrobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.07 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8081B

FORM VIII
PESTICIDES INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Edison Job No.: 460-260852-1

SDG No.:

Sample No.: CCVIS 460-852757/3 Date Analyzed: 06/29/2022 18:23

Instrument ID: CPESTGC12 GC Column: CLP-2 ID: 0.53(mm)

Lab File ID (Standard): 12F0039117.D Heated Purge: (Y/N) N

Calibration ID: 90782

		BNB					
		AREA #	RT #	#	RT #	#	RT #
12/24 HOUR STD		141573639	1.63				
UPPER LIMIT		283147278	1.70				
LOWER LIMIT		70786820	1.56				
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 460-852757/4		176604802	1.63				
CCV 460-852757/5		145021279	1.63				
MB 460-852619/1-A		138287796	1.64				
LCS 460-852619/2-A		146175008	1.64				
LCSD 460-852619/3-A		139361401	1.64				
LB 460-852487/1-C		141361961	1.63				
460-260852-2	BHP-FENCE-COMP-S001	133621193	1.63				

BNB = 1-Bromo-2-nitrobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.07 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8081B

FORM VIII
PESTICIDES INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Edison Job No.: 460-260852-1

SDG No.:

Sample No.: CCVIS 460-852757/3 Date Analyzed: 06/29/2022 18:23

Instrument ID: CPESTGC12 GC Column: Rtx-CLP ID: 0.53(mm)

Lab File ID (Standard): 12F0039117.D Heated Purge: (Y/N) N

Calibration ID: 90783

		BNB					
		AREA #	RT #	#	RT #	#	RT #
12/24 HOUR STD		232331676	1.55				
UPPER LIMIT		464663352	1.62				
LOWER LIMIT		116165838	1.48				
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 460-852757/4		296339404	1.55				
CCV 460-852757/5		236676722	1.55				
MB 460-852619/1-A		228887793	1.55				
LCS 460-852619/2-A		240569310	1.55				
LCSD 460-852619/3-A		225756409	1.55				
LB 460-852487/1-C		234081928	1.55				
460-260852-2	BHP-FENCE-COMP-S001	204871195	1.55				

BNB = 1-Bromo-2-nitrobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.07 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8081B

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins Edison Job No.: 460-260852-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 460-852619/2-A

Instrument ID (1): CPESTGC12 Instrument ID (2): CPESTGC12

Date Analyzed (1): 06/29/2022 19:24 Date Analyzed (2): 06/29/2022 19:24

GC Column (1): Rtx-CLP ID: 0.53(mm) GC Column (2): CLP-2 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
gamma-BHC (Lindane)	1		2.44	2.43	2.45	0.000839		0.7
	2		2.91	2.90	2.92	0.000833		
Heptachlor	1		2.78	2.77	2.79	0.000806		0.2
	2		3.35	3.34	3.36	0.000805		
Heptachlor epoxide	1		3.62	3.61	3.63	0.000783		0.1
	2		4.38	4.37	4.39	0.000784		
Endrin	1		4.58	4.57	4.59	0.000792		3.2
	2		5.42	5.41	5.43	0.000768		
Methoxychlor	1		5.43	5.42	5.44	0.000764		7.4
	2		6.98	6.97	6.99	0.000710		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins Edison Job No.: 460-260852-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 460-852619/3-A

Instrument ID (1): CPESTGC12 Instrument ID (2): CPESTGC12

Date Analyzed (1): 06/29/2022 19:36 Date Analyzed (2): 06/29/2022 19:36

GC Column (1): Rtx-CLP ID: 0.53(mm) GC Column (2): CLP-2 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
gamma-BHC (Lindane)	1		2.44	2.43	2.45	0.000823		0.1
	2		2.91	2.90	2.92	0.000824		
Heptachlor	1		2.78	2.77	2.79	0.000816		2.8
	2		3.35	3.34	3.36	0.000794		
Heptachlor epoxide	1		3.62	3.61	3.63	0.000782		2.0
	2		4.38	4.37	4.39	0.000766		
Endrin	1		4.58	4.57	4.59	0.000789		6.1
	2		5.42	5.41	5.43	0.000742		
Methoxychlor	1		5.42	5.42	5.44	0.000756		9.3
	2		6.98	6.97	6.99	0.000689		

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison Job No.: 460-260852-1

SDG No.:

Client Sample ID: BHP-FENCE-COMP-S001 Lab Sample ID: 460-260852-2

Matrix: Solid (TCLP) Lab File ID: 12F0039137.D

Analysis Method: 8081B Date Collected: 06/23/2022 14:00

Extraction Method: 3510C Date Extracted: 06/29/2022 09:15

Sample wt/vol: 250(mL) Date Analyzed: 06/29/2022 22:29

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: % Solids: GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 852757 Units: mg/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	79		15-121
877-09-8	Tetrachloro-m-xylene	75		17-120

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20220629-147240.b\12F0039137.D
Lims ID: 460-260852-C-2-C
Client ID: BHP-FENCE-COMP-S001
Sample Type: Client
Inject. Date: 29-Jun-2022 22:29:29 ALS Bottle#: 53 Worklist Smp#: 23
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0147240-023
Operator ID: Instrument ID: CPESTGC12

Method: \\chromfs\Edison\ChromData\CPESTGC12\20220629-147240.b\GC8081.m
Limit Group: GC 8081B PEST ISTD
Last Update: 30-Jun-2022 10:03:35 Calib Date: 24-Jun-2022 19:45:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC12\20220624-147033.b\12F0038980.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1654

First Level Reviewer: SE1K Date: 30-Jun-2022 08:05:23

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene						
1	1.634	1.633	0.001	133621193	100.0	
2	1.549	1.549	0.000	204871195	100.0	
					RPD = 0.00	
$ 4 Tetrachloro-m-xylene						
1	2.162	2.163	-0.001	118162337	74.6	
2	1.913	1.914	-0.001	183901521	70.2	
					RPD = 6.09	
$ 24 DCB Decachlorobiphenyl						
1	8.424	8.427	-0.003	110350196	79.3	
2	7.459	7.460	-0.001	228374564	90.5	
					RPD = 13.18	

Reagents:

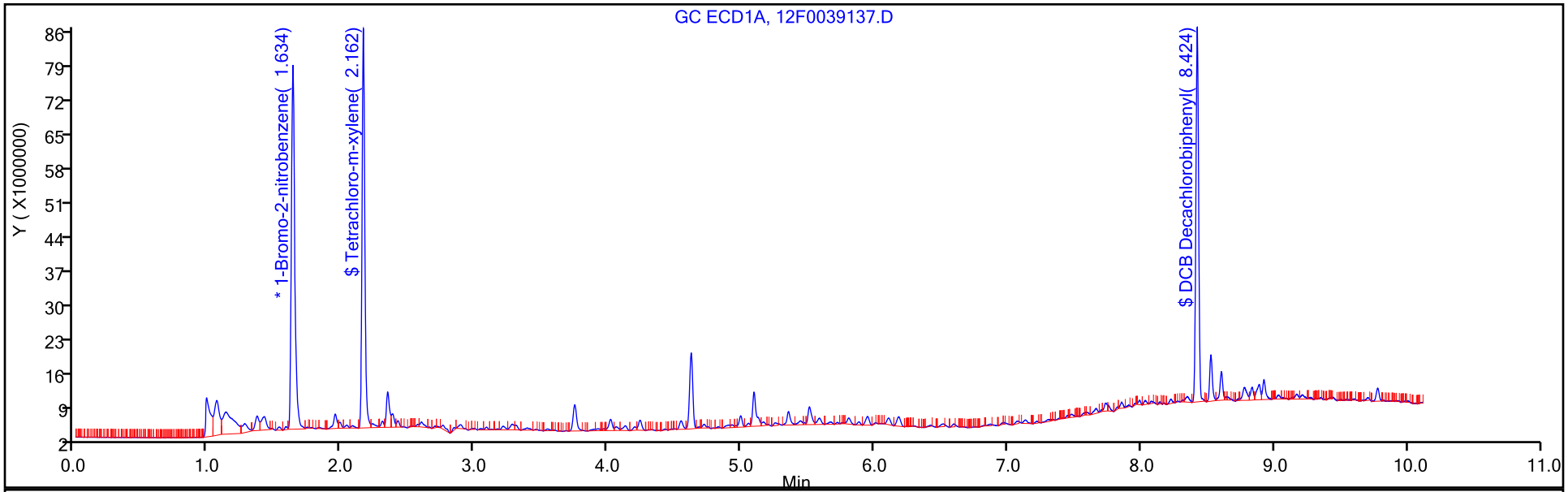
SGPESTISTD_00018 Amount Added: 20.00 Units: uL Run Reagent

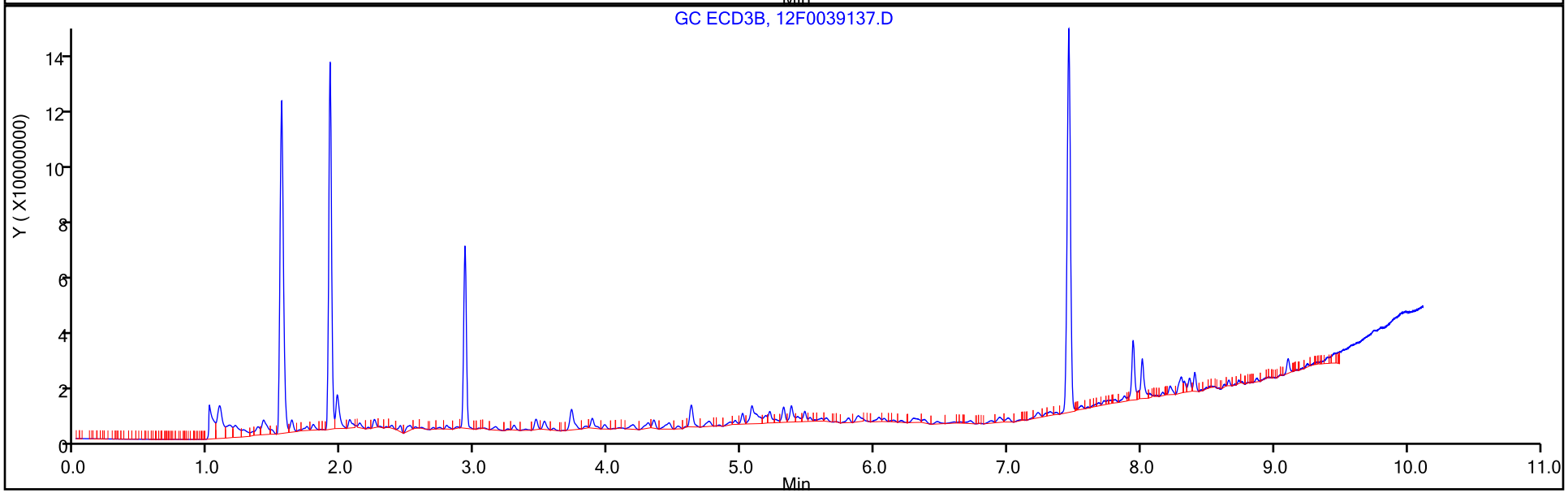
Report Date: 30-Jun-2022 10:04:51 Chrom Revision: 2.3 20-Jun-2022 20:10:40

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20220629-147240.b\12F0039137.D

Injection Date:	29-Jun-2022 22:29:29	Instrument ID:	CPESTGC12	Operator ID:	
Lims ID:	460-260852-C-2-C	Lab Sample ID:	460-260852-2	Worklist Smp#:	23
Client ID:	BHP-FENCE-COMP-S001				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	53
Method:	GC8081	Limit Group:	GC 8081B PEST ISTD		





FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-260852-1

SDG No.:

Client Sample ID: BHP-FENCE-COMP-S001 | Lab Sample ID: 460-260852-2

Matrix: Solid (TCLP) | Lab File ID: 12F0039137.D

Analysis Method: 8081B | Date Collected: 06/23/2022 14:00

Extraction Method: 3510C | Date Extracted: 06/29/2022 09:15

Sample wt/vol: 250(mL) | Date Analyzed: 06/29/2022 22:29

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: Rtx-CLP ID: 0.53(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 852757 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12789-03-6	Chlordane (technical)	0.000055	U	0.0050	0.000055
72-20-8	Endrin	0.0000040	U	0.00050	0.0000040
58-89-9	gamma-BHC (Lindane)	0.000012	U	0.00050	0.000012
76-44-8	Heptachlor	0.0000030	U	0.00050	0.0000030
1024-57-3	Heptachlor epoxide	0.0000050	U	0.00050	0.0000050
72-43-5	Methoxychlor	0.0000040	U	0.00050	0.0000040
8001-35-2	Toxaphene	0.00011	U	0.0050	0.00011

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	90		15-121
877-09-8	Tetrachloro-m-xylene	70		17-120

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20220629-147240.b\12F0039137.D
Lims ID: 460-260852-C-2-C
Client ID: BHP-FENCE-COMP-S001
Sample Type: Client
Inject. Date: 29-Jun-2022 22:29:29 ALS Bottle#: 53 Worklist Smp#: 23
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0147240-023
Operator ID: Instrument ID: CPESTGC12

Method: \\chromfs\Edison\ChromData\CPESTGC12\20220629-147240.b\GC8081.m
Limit Group: GC 8081B PEST ISTD
Last Update: 30-Jun-2022 10:03:35 Calib Date: 24-Jun-2022 19:45:05
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC12\20220624-147033.b\12F0038980.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1654

First Level Reviewer: SE1K Date: 30-Jun-2022 08:05:23

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene						
1	1.634	1.633	0.001	133621193	100.0	
2	1.549	1.549	0.000	204871195	100.0	
					RPD = 0.00	
$ 4 Tetrachloro-m-xylene						
1	2.162	2.163	-0.001	118162337	74.6	
2	1.913	1.914	-0.001	183901521	70.2	
					RPD = 6.09	
$ 24 DCB Decachlorobiphenyl						
1	8.424	8.427	-0.003	110350196	79.3	
2	7.459	7.460	-0.001	228374564	90.5	
					RPD = 13.18	

Reagents:

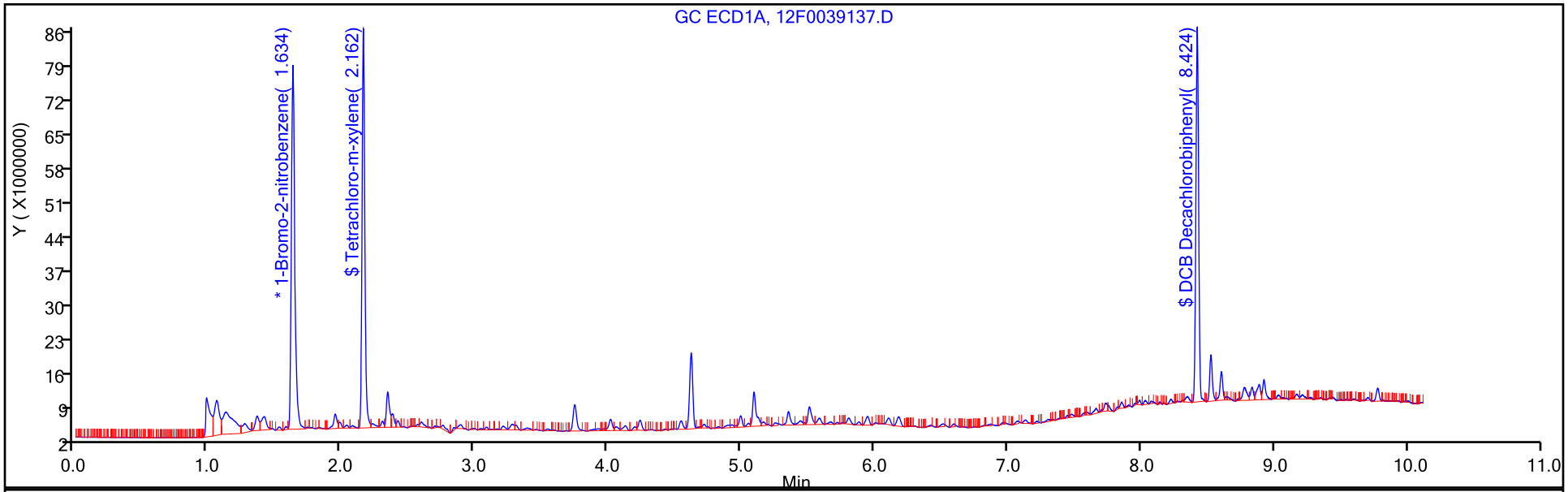
SGPESTISTD_00018 Amount Added: 20.00 Units: uL Run Reagent

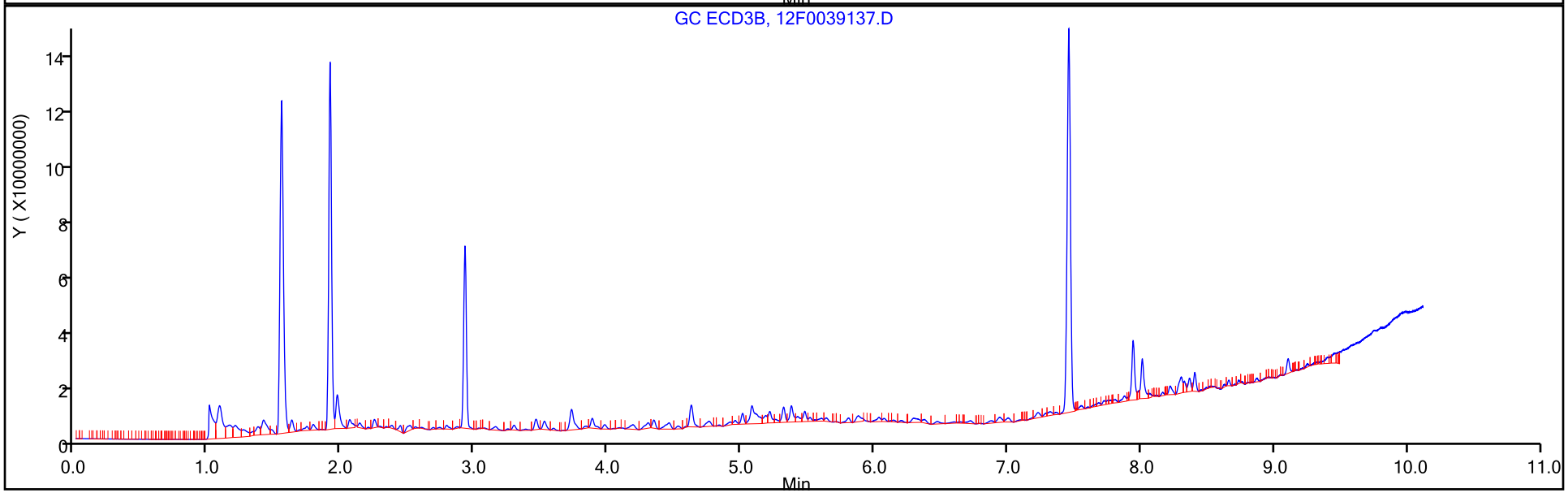
Report Date: 30-Jun-2022 10:04:52 Chrom Revision: 2.3 20-Jun-2022 20:10:40

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20220629-147240.b\12F0039137.D

Injection Date:	29-Jun-2022 22:29:29	Instrument ID:	CPESTGC12	Operator ID:	
Lims ID:	460-260852-C-2-C	Lab Sample ID:	460-260852-2	Worklist Smp#:	23
Client ID:	BHP-FENCE-COMP-S001				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	53
Method:	GC8081	Limit Group:	GC 8081B PEST ISTD		





FORM VI
PESTICIDES BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-260852-1 Analy Batch No.: 851539

SDG No.:

Instrument ID: CPESTGC12 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/23/2022 11:07 Calibration End Date: 06/23/2022 11:57 Calibration ID: 90764

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-851539/4	12F0038953.D
Level 2	IC 460-851539/5	12F0038954.D
Level 3	ICIS 460-851539/3	12F0038952.D
Level 4	IC 460-851539/6	12F0038955.D
Level 5	IC 460-851539/7	12F0038956.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
alpha-BHC	1.6238	1.5787	1.6618	1.8443	1.8789	Ave		1.7175				7.9		20.0			
gamma-BHC (Lindane)	1.5253	1.3818	1.4745	1.6007	1.6050	Ave		1.5175				6.2		20.0			
beta-BHC	0.3849	0.6014	0.6292	0.6686	0.6583	Ave		0.5885				19.8		20.0			
delta-BHC	1.3697	1.3497	1.4087	1.6252	1.6372	Ave		1.4781				9.6		20.0			
Heptachlor	1.5381	1.3053	1.4226	1.5021	1.4827	Ave		1.4502				6.3		20.0			
Aldrin	1.4251	1.2668	1.4069	1.4900	1.4820	Ave		1.4142				6.3		20.0			
Heptachlor epoxide	1.3626	1.1408	1.2496	1.3192	1.2809	Ave		1.2706				6.6		20.0			
trans-Chlordane	1.3221	1.1286	1.2525	1.3472	1.3384	Ave		1.2777				7.1		20.0			
cis-Chlordane	1.3461	1.0965	1.2052	1.2885	1.2734	Ave		1.2419				7.7		20.0			
Endosulfan I	1.2835	1.0408	1.1417	1.2178	1.1768	Ave		1.1721				7.7		20.0			
4,4'-DDE	1.3436	1.1217	1.2967	1.3890	1.3617	Ave		1.3025				8.2		20.0			
Dieldrin	1.4986	1.2151	1.3444	1.4288	1.3854	Ave		1.3745				7.7		20.0			
Endrin	1.4259	1.1622	1.2877	1.3496	1.2968	Ave		1.3044				7.4		20.0			
4,4'-DDD	1.1958	0.9993	1.1229	1.1990	1.1617	Ave		1.1358				7.2		20.0			
Endosulfan II	1.3523	0.8267	1.1849	1.2151	1.1864	Ave		1.1531				16.9		20.0			
4,4'-DDT	1.1866	0.9619	1.1197	1.2050	1.1723	Ave		1.1291				8.7		20.0			
Endrin aldehyde	1.0802	0.8020	0.9297	0.9888	0.9183	Ave		0.9438				10.8		20.0			
Endosulfan sulfate	1.1615	0.9890	1.0766	1.1635	1.0961	Ave		1.0973				6.5		20.0			
Methoxychlor	0.7347	0.5727	0.6332	0.6523	0.6061	Ave		0.6398				9.5		20.0			
Mirex	1.1385	0.7465	0.9074	0.9113	0.8439	Ave		0.9095				15.9		20.0			
Endrin ketone	1.3673	1.0940	1.1043	1.2381	1.1662	Ave		1.1940				9.4		20.0			
Tetrachloro-m-xylene	1.1479	1.0637	1.2592	1.2367	1.2203	Ave		1.1856				6.7		20.0			
DCB Decachlorobiphenyl	1.1518	0.9197	1.0759	1.0547	1.0062	Ave		1.0417				8.3		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PESTICIDES BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison Job No.: 460-260852-1 Analy Batch No.: 851539

SDG No.:

Instrument ID: CPESTGC12 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/23/2022 11:07 Calibration End Date: 06/23/2022 11:57 Calibration ID: 90764

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-851539/4	12F0038953.D
Level 2	IC 460-851539/5	12F0038954.D
Level 3	ICIS 460-851539/3	12F0038952.D
Level 4	IC 460-851539/6	12F0038955.D
Level 5	IC 460-851539/7	12F0038956.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
alpha-BHC	BNB	Ave	5770724	105150013	212096107	604981087	1245027565	2.50	50.0	100	250	500
gamma-BHC (Lindane)	BNB	Ave	5420951	92037695	188198819	525064323	1063550313	2.50	50.0	100	250	500
beta-BHC	BNB	Ave	1367976	40057777	80307430	219313202	436205758	2.50	50.0	100	250	500
delta-BHC	BNB	Ave	4867853	89894199	179799258	533105048	1084878832	2.50	50.0	100	250	500
Heptachlor	BNB	Ave	5466237	86942308	181568308	492732970	982531200	2.50	50.0	100	250	500
Aldrin	BNB	Ave	5064862	84378652	179561720	488750398	982039610	2.50	50.0	100	250	500
Heptachlor epoxide	BNB	Ave	4842430	75982542	159492128	432716065	848764743	2.50	50.0	100	250	500
trans-Chlordane	BNB	Ave	4698640	75172393	159853000	441897367	886877530	2.50	50.0	100	250	500
cis-Chlordane	BNB	Ave	4783913	73031077	153827330	422669525	843814996	2.50	50.0	100	250	500
Endosulfan I	BNB	Ave	4561422	69325255	145711449	399464363	779778879	2.50	50.0	100	250	500
4,4'-DDE	BNB	Ave	4774961	74710658	165496944	455629219	902326018	2.50	50.0	100	250	500
Dieldrin	BNB	Ave	5325883	80935185	171585661	468679129	918060503	2.50	50.0	100	250	500
Endrin	BNB	Ave	5067381	77406354	164346705	442700120	859334850	2.50	50.0	100	250	500
4,4'-DDD	BNB	Ave	4249919	66558001	143316808	393300820	769833794	2.50	50.0	100	250	500
Endosulfan II	BNB	Ave	4806037	55062108	151231890	398586827	786184005	2.50	50.0	100	250	500
4,4'-DDT	BNB	Ave	4217062	64069776	142904958	395270784	776807322	2.50	50.0	100	250	500
Endrin aldehyde	BNB	Ave	3838810	53419619	118661032	324350083	608505237	2.50	50.0	100	250	500
Endosulfan sulfate	BNB	Ave	4127761	65873327	137403475	381659592	726347392	2.50	50.0	100	250	500
Methoxychlor	BNB	Ave	2611198	38147715	80816862	213973683	401627843	2.50	50.0	100	250	500
Mirex	BNB	Ave	4046261	49717885	115816437	298937331	559221864	2.50	50.0	100	250	500
Endrin ketone	BNB	Ave	4859293	72866780	140941695	406132780	772796982	2.50	50.0	100	250	500
Tetrachloro-m-xylene	BNB	Ave	10198797	70850714	160707507	243396649	323455596	6.25	50.0	100	150	200
DCB Decachlorobiphenyl	BNB	Ave	10233613	61258381	137313414	207579325	266714607	6.25	50.0	100	150	200

Curve Type Legend
Ave = Average ISTD

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20220623-146959.b\12F0038952.D
Lims ID: ICIS
Client ID:
Sample Type: ICIS Calib Level: 3
Inject. Date: 23-Jun-2022 11:07:47 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0146959-003
Operator ID: Instrument ID: CPESTGC12
Sublist: chrom-GC8081*sub1

Method: \\chromfs\Edison\ChromData\CPESTGC12\20220623-146959.b\GC8081.m
Limit Group: GC 8081B PEST ISTD
Last Update: 24-Jun-2022 17:54:22 Calib Date: 23-Jun-2022 14:37:29
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC12\20220623-146959.b\12F0038969.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1613

First Level Reviewer: OR9X Date: 24-Jun-2022 17:18:03

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene							
1	1.633	1.633	0.000	127631470	100.0	100.0	
2	1.548	1.548	0.000	212839221	100.0	100.0	
						RPD = 0.00	
$ 4 Tetrachloro-m-xylene							
1	2.162	2.162	0.000	160707507	100.0	106.2	
2	1.914	1.914	0.000	285366217	100.0	104.8	
						RPD = 1.31	
15 alpha-BHC							
1	2.603	2.603	0.000	212096107	100.0	96.8	
2	2.233	2.233	0.000	362590591	100.0	94.4	
						RPD = 2.47	
2 gamma-BHC (Lindane)							
1	2.904	2.904	0.000	188198819	100.0	97.2	
2	2.438	2.438	0.000	333775522	100.0	94.3	
						RPD = 3.05	
6 beta-BHC							
1	2.963	2.963	0.000	80307430	100.0	106.9	
2	2.490	2.490	0.000	140318045	100.0	94.6	
						RPD = 12.25	
32 delta-BHC							
1	3.260	3.260	0.000	179799258	100.0	95.3	
2	2.623	2.623	0.000	309638517	100.0	93.7	
						RPD = 1.68	
18 Heptachlor							
1	3.353	3.353	0.000	181568308	100.0	98.1	
2	2.786	2.786	0.000	322332954	100.0	94.7	
						RPD = 3.48	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
8 Aldrin							
1	3.733	3.733	0.000	179561720	100.0	99.5	
2	3.037	3.037	0.000	324749536	100.0	95.7	
						RPD = 3.83	
12 Heptachlor epoxide							
1	4.385	4.385	0.000	159492128	100.0	98.3	
2	3.630	3.630	0.000	294534436	100.0	96.2	
						RPD = 2.17	
9 trans-Chlordane							
1	4.621	4.621	0.000	159853000	100.0	98.0	
2	3.764	3.764	0.000	304868644	100.0	95.2	
						RPD = 2.89	
23 cis-Chlordane							
1	4.792	4.792	0.000	153827330	100.0	97.0	
2	3.906	3.906	0.000	288858864	100.0	94.6	
						RPD = 2.58	
7 Endosulfan I							
1	4.858	4.858	0.000	145711449	100.0	97.4	
2	4.053	4.053	0.000	270588462	100.0	95.6	
						RPD = 1.82	
25 4,4'-DDE							
1	4.962	4.962	0.000	165496944	100.0	99.6	
2	3.984	3.984	0.000	305692967	100.0	96.5	
						RPD = 3.10	
30 Dieldrin							
1	5.132	5.132	0.000	171585661	100.0	97.8	
2	4.310	4.310	0.000	291565266	100.0	94.3	
						RPD = 3.65	
20 Endrin							
1	5.417	5.417	0.000	164346705	100.0	98.7	
2	4.582	4.582	0.000	289057303	100.0	98.2	
						RPD = 0.54	
16 4,4'-DDD							
1	5.528	5.528	0.000	143316808	100.0	98.9	
2	4.665	4.665	0.000	245157596	100.0	96.4	
						RPD = 2.53	
11 Endosulfan II							
1	5.628	5.628	0.000	151231890	100.0	102.8	
2	4.831	4.831	0.000	256767476	100.0	100.1	
						RPD = 2.62	
21 4,4'-DDT							
1	5.886	5.886	0.000	142904958	100.0	99.2	
2	4.961	4.961	0.000	247816089	100.0	95.1	
						RPD = 4.24	
5 Endrin aldehyde							
1	6.026	6.026	0.000	118661032	100.0	98.5	
2	5.233	5.233	0.000	210101662	100.0	94.6	
						RPD = 4.06	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Endosulfan sulfate							
1	6.419	6.419	0.000	137403475	100.0	98.1	
2	5.641	5.641	0.000	228137247	100.0	93.8	
						RPD = 4.52	
10 Methoxychlor							
1	6.981	6.981	0.000	80816862	100.0	99.0	
2	5.431	5.431	0.000	136508470	100.0	95.1	
						RPD = 4.03	
34 Mirex							
1	7.174	7.174	0.000	115816437	100.0	99.8	
2	5.515	5.515	0.000	202491781	100.0	96.2	
						RPD = 3.67	
13 Endrin ketone							
1	7.253	7.253	0.000	140941695	100.0	92.5	
2	5.941	5.941	0.000	255447264	100.0	95.3	
						RPD = 2.99	
$ 24 DCB Decachlorobiphenyl							
1	8.426	8.426	0.000	137313414	100.0	103.3	
2	7.466	7.466	0.000	246974282	100.0	94.2	
						RPD = 9.23	

QC Flag Legend

Processing Flags

Reagents:

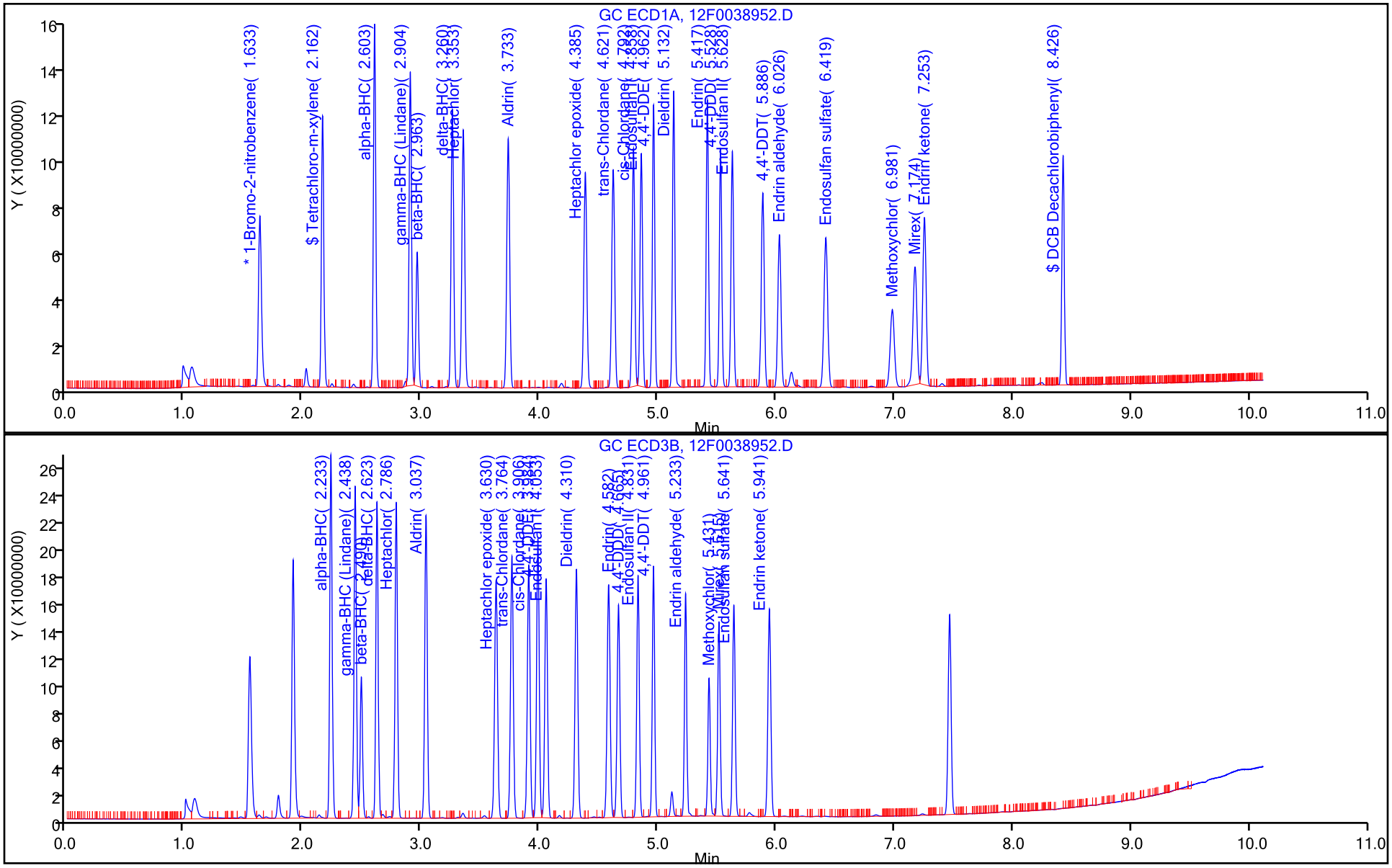
SGPESTL3_00041	Amount Added: 1.00	Units: mL	
SGPESTISTD_00018	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 24-Jun-2022 17:54:22 Chrom Revision: 2.3 20-Jun-2022 20:10:40

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20220623-146959.b\12F0038952.D

Injection Date:	23-Jun-2022 11:07:47	Instrument ID:	CPESTGC12	Operator ID:	
Lims ID:	ICIS			Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	GC8081	Limit Group:	GC 8081B PEST ISTD		



Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20220623-146959.b\12F0038953.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 23-Jun-2022 11:20:07 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0146959-004
Operator ID: Instrument ID: CPESTGC12
Sublist: chrom-GC8081*sub1

Method: \\chromfs\Edison\ChromData\CPESTGC12\20220623-146959.b\GC8081.m
Limit Group: GC 8081B PEST ISTD
Last Update: 24-Jun-2022 17:54:28 Calib Date: 23-Jun-2022 14:37:29
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC12\20220623-146959.b\12F0038969.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1613

First Level Reviewer: OR9X Date: 24-Jun-2022 17:18:50

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene							
1	1.633	1.633	0.000	142156692	100.0	100.0	
2	1.548	1.548	0.000	226516872	100.0	100.0	
						RPD = 0.00	
$ 4 Tetrachloro-m-xylene							
1	2.161	2.162	-0.001	10198797	6.25	6.05	
2	1.914	1.914	0.000	18731199	6.25	6.47	
						RPD = 6.61	
15 alpha-BHC							
1	2.602	2.603	-0.001	5770724	2.50	2.36	
2	2.233	2.233	0.000	9465663	2.50	2.32	
						RPD = 2.06	
2 gamma-BHC (Lindane)							
1	2.904	2.904	0.000	5420951	2.50	2.51	
2	2.438	2.438	0.000	9170590	2.50	2.43	
						RPD = 3.22	
6 beta-BHC							
1	2.963	2.963	0.000	1367976	2.50	1.64	
2	2.490	2.490	0.000	2325262	2.50	4.22	
						RPD = 88.27	
32 delta-BHC							
1	3.260	3.260	0.000	4867853	2.50	2.32	
2	2.622	2.623	-0.001	7812238	2.50	2.22	
						RPD = 4.18	
18 Heptachlor							
1	3.352	3.353	-0.001	5466237	2.50	2.65	
2	2.784	2.786	-0.002	9500086	2.50	2.62	
						RPD = 1.06	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
8 Aldrin							
1	3.732	3.733	-0.001	5064862	2.50	2.52	
2	3.036	3.037	-0.001	8897847	2.50	2.46	
						RPD = 2.18	
12 Heptachlor epoxide							
1	4.385	4.385	0.000	4842430	2.50	2.68	
2	3.629	3.630	-0.001	8833709	2.50	2.71	
						RPD = 1.15	
9 trans-Chlordane							
1	4.621	4.621	0.000	4698640	2.50	2.59	
2	3.763	3.764	-0.001	8933452	2.50	2.62	
						RPD = 1.35	
23 cis-Chlordane							
1	4.792	4.792	0.000	4783913	2.50	2.71	
2	3.905	3.906	-0.001	8792489	2.50	2.70	
						RPD = 0.18	
7 Endosulfan I							
1	4.858	4.858	0.000	4561422	2.50	2.74	
2	4.053	4.053	0.000	8459145	2.50	2.81	
						RPD = 2.60	
25 4,4'-DDE							
1	4.961	4.962	-0.001	4774961	2.50	2.58	
2	3.983	3.984	-0.001	8762616	2.50	2.60	
						RPD = 0.79	
30 Dieldrin							
1	5.132	5.132	0.000	5325883	2.50	2.73	
2	4.308	4.310	-0.002	8557249	2.50	2.60	
						RPD = 4.70	
20 Endrin							
1	5.416	5.417	-0.001	5067381	2.50	2.73	
2	4.582	4.582	0.000	7962415	2.50	2.54	
						RPD = 7.26	
16 4,4'-DDD							M
1	5.528	5.528	0.000	4249919	2.50	2.63	
2	4.664	4.665	-0.001	6855560	2.50	2.53	M
						RPD = 3.85	
11 Endosulfan II							M
1	5.628	5.628	0.000	4806037	2.50	2.93	
2	4.830	4.831	-0.001	7641216	2.50	2.80	M
						RPD = 4.63	
21 4,4'-DDT							M
1	5.885	5.886	-0.001	4217062	2.50	2.63	
2	4.961	4.961	0.000	7192960	2.50	2.59	M
						RPD = 1.34	
5 Endrin aldehyde							M
1	6.027	6.026	0.001	3838810	2.50	2.86	
2	5.232	5.233	-0.001	6757693	2.50	2.86	M
						RPD = 0.09	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Endosulfan sulfate							M
1	6.418	6.419	-0.001	4127761	2.50	2.65	
2	5.641	5.641	0.000	6617246	2.50	2.56	M
						RPD = 3.47	
10 Methoxychlor							M
1	6.980	6.981	-0.001	2611198	2.50	2.87	
2	5.431	5.431	0.000	4416927	2.50	2.89	M
						RPD = 0.66	
34 Mirex							M
1	7.174	7.174	0.000	4046261	2.50	3.13	
2	5.514	5.515	-0.001	6485073	2.50	2.89	M
						RPD = 7.82	
13 Endrin ketone							M
1	7.253	7.253	0.000	4859293	2.50	2.86	
2	5.941	5.941	0.000	7783026	2.50	2.73	M
						RPD = 4.82	
$ 24 DCB Decachlorobiphenyl							
1	8.425	8.426	-0.001	10233613	6.25	6.91	
2	7.466	7.466	0.000	18349285	6.25	6.57	
						RPD = 5.00	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

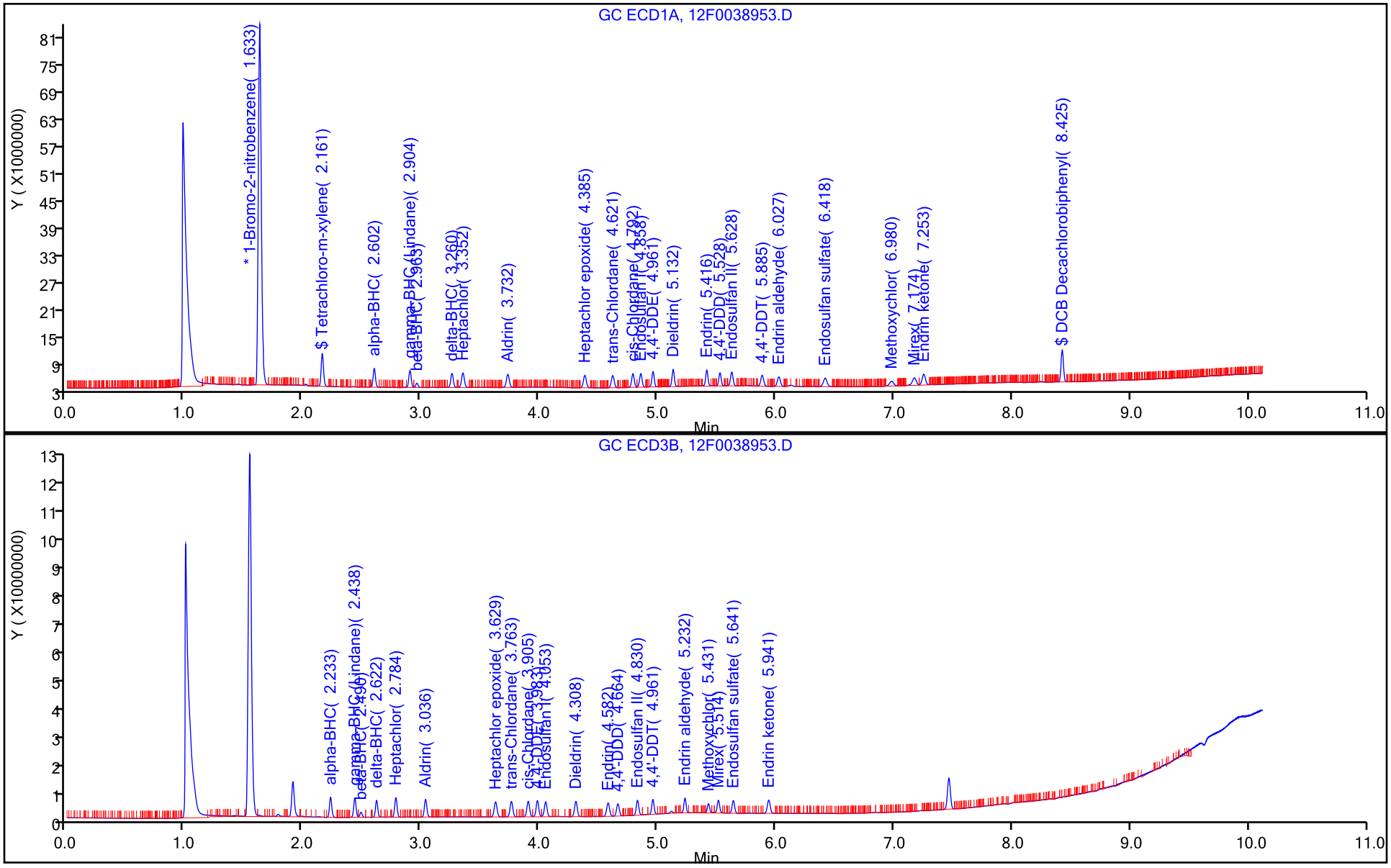
SGPESTL1_00032	Amount Added: 1.00	Units: mL	
SGPESTISTD_00018	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 24-Jun-2022 17:54:29 Chrom Revision: 2.3 20-Jun-2022 20:10:40

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20220623-146959.b\12F0038953.D

Injection Date:	23-Jun-2022 11:20:07	Instrument ID:	CPESTGC12	Operator ID:	
Lims ID:	IC			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	GC8081	Limit Group:	GC 8081B PEST ISTD		



Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20220623-146959.b\12F0038954.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 23-Jun-2022 11:32:34 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0146959-005
Operator ID: Instrument ID: CPESTGC12
Sublist: chrom-GC8081*sub1

Method: \\chromfs\Edison\ChromData\CPESTGC12\20220623-146959.b\GC8081.m
Limit Group: GC 8081B PEST ISTD
Last Update: 24-Jun-2022 17:54:35 Calib Date: 23-Jun-2022 14:37:29
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC12\20220623-146959.b\12F0038969.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1613

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 37 1-Bromo-2-nitrobenzene							
1	1.632	1.633	-0.001	133211018	100.0	100.0	
2	1.547	1.548	-0.001	219609384	100.0	100.0	
						RPD = 0.00	
$ 4 Tetrachloro-m-xylene							
1	2.162	2.162	0.000	70850714	50.0	44.9	
2	1.914	1.914	0.000	120544747	50.0	42.9	
						RPD = 4.44	
15 alpha-BHC							
1	2.602	2.603	-0.001	105150013	50.0	46.0	
2	2.233	2.233	0.000	175514609	50.0	44.3	
						RPD = 3.71	
2 gamma-BHC (Lindane)							
1	2.905	2.904	0.001	92037695	50.0	45.5	
2	2.437	2.438	-0.001	161257041	50.0	44.1	
						RPD = 3.12	
6 beta-BHC							
1	2.963	2.963	0.000	40057777	50.0	51.1	
2	2.490	2.490	0.000	68839773	50.0	46.4	
						RPD = 9.57	
32 delta-BHC							
1	3.261	3.260	0.001	89894199	50.0	45.7	
2	2.622	2.623	-0.001	151508620	50.0	44.4	
						RPD = 2.68	
18 Heptachlor							
1	3.353	3.353	0.000	86942308	50.0	45.0	
2	2.785	2.786	-0.001	157694588	50.0	44.9	
						RPD = 0.19	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
8 Aldrin							
1	3.733	3.733	0.000	84378652	50.0	44.8	
2	3.037	3.037	0.000	156723457	50.0	44.8	
						RPD = 0.02	
12 Heptachlor epoxide							
1	4.384	4.385	-0.001	75982542	50.0	44.9	
2	3.628	3.630	-0.002	141794511	50.0	44.9	
						RPD = 0.02	
9 trans-Chlordane							
1	4.621	4.621	0.000	75172393	50.0	44.2	
2	3.763	3.764	-0.001	141746800	50.0	42.9	
						RPD = 2.88	
23 cis-Chlordane							
1	4.792	4.792	0.000	73031077	50.0	44.1	
2	3.905	3.906	-0.001	134593539	50.0	42.7	
						RPD = 3.31	
7 Endosulfan I							
1	4.858	4.858	0.000	69325255	50.0	44.4	
2	4.052	4.053	-0.001	125306210	50.0	42.9	
						RPD = 3.37	
25 4,4'-DDE							
1	4.962	4.962	0.000	74710658	50.0	43.1	
2	3.983	3.984	-0.001	136480551	50.0	41.8	
						RPD = 3.06	
30 Dieldrin							
1	5.132	5.132	0.000	80935185	50.0	44.2	
2	4.309	4.310	-0.001	140936101	50.0	44.2	
						RPD = 0.06	
20 Endrin							
1	5.417	5.417	0.000	77406354	50.0	44.5	
2	4.581	4.582	-0.001	135001188	50.0	44.4	
						RPD = 0.23	
16 4,4'-DDD							
1	5.528	5.528	0.000	66558001	50.0	44.0	
2	4.664	4.665	-0.001	111570327	50.0	42.5	
						RPD = 3.41	
11 Endosulfan II							
1	5.628	5.628	0.000	55062108	50.0	35.8	
2	4.830	4.831	-0.001	93317488	50.0	35.3	
						RPD = 1.65	
21 4,4'-DDT							
1	5.885	5.886	-0.001	64069776	50.0	42.6	
2	4.960	4.961	-0.001	111530981	50.0	41.5	
						RPD = 2.71	
5 Endrin aldehyde							
1	6.026	6.026	0.000	53419619	50.0	42.5	
2	5.232	5.233	-0.001	95320869	50.0	41.6	
						RPD = 2.14	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Endosulfan sulfate							
1	6.418	6.419	-0.001	65873327	50.0	45.1	
2	5.641	5.641	0.000	110793829	50.0	44.1	
						RPD = 2.08	
10 Methoxychlor							
1	6.981	6.981	0.000	38147715	50.0	44.8	
2	5.431	5.431	0.000	65496392	50.0	44.2	
						RPD = 1.25	
34 Mirex							
1	7.173	7.174	-0.001	49717885	50.0	41.0	
2	5.514	5.515	-0.001	89834124	50.0	41.3	
						RPD = 0.76	
13 Endrin ketone							
1	7.253	7.253	0.000	72866780	50.0	45.8	
2	5.941	5.941	0.000	121764869	50.0	44.0	
						RPD = 3.99	
$ 24 DCB Decachlorobiphenyl							
1	8.425	8.426	-0.001	61258381	50.0	44.1	
2	7.466	7.466	0.000	123687055	50.0	45.7	
						RPD = 3.47	

Reagents:

SGPESTL2_00041	Amount Added: 1.00	Units: mL	
SGPESTISTD_00018	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 24-Jun-2022 17:54:36 Chrom Revision: 2.3 20-Jun-2022 20:10:40

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC12\20220623-146959.b\12F0038954.D

Injection Date:	23-Jun-2022 11:32:34	Instrument ID:	CPESTGC12	Operator ID:	
Lims ID:	IC			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	GC8081	Limit Group:	GC 8081B PEST ISTD