

REDACTED

Data Validation Checklist Semivolatile Organic Analyses

Project: 35TH Avenue Superfund Site
Laboratory: TestAmerica - Savannah, GA¹
Method: SW-846 8270C Low-Level (PAH)
Matrix: Soil
Reviewer: Karen Marie Trujillo, URS Group
Concurrence²: Nicole Lancaster, URS Group

Project No: 15268508.20000
Job ID.: 680-89516-1
Associated Samples: Refer to **Attachment A** (Sample Summary)
Samples Collected: 04/17/2013
Date: 05/13/2013
Date: 05/16/2013

| Review Questions | Yes | No | N/A | Samples (Analytes) Affected/Comments | Flag |
|---|-----|----|-----|--|------|
| 1. Were sample storage and preservation requirements met? If temperature >6°C, then J/UJ-flag results. | ✓ | | | | |
| 2. Were all COC records signed and integrity seals intact, indicating that COC was maintained for all samples? | ✓ | | | | |
| 3. Were there any problems noted in laboratory data package concerning condition of samples upon receipt? | | ✓ | | | |
| 4. Do any soil samples contain more than 50% water? If yes, then results are to be reported on a wet-weight basis. | | ✓ | | | |
| 5. Were holding times met (≤7 and 14 days from collection to extraction for aqueous and solid samples, respectively; ≤40 days from extraction to analysis)? If not, then J/UJ-flag sample results. If grossly (2x) exceeded, then flag J/R. | ✓ | | | | |
| 6. Were results for all project-specified target analytes reported? | ✓ | | | | |
| 7. Were project-specified Reporting Limits achieved for undiluted sample analyses? | ✓ | | | | |
| 8. Were samples with analyte concentrations exceeding the calibration range of the instrument re-analyzed at a higher dilution? If not, then J-flag sample result. | ✓ | | | | |
| 9. Was a method blank extracted with each batch (i.e., one per 20 samples, per batch, per matrix and per level)? | ✓ | | | | |
| 10. Were target analytes detected in the method blank? | | ✓ | | | |
| 11. Were target analytes detected in equipment/rinsate blanks? | | ✓ | | PAHs were not detected during the analysis of rinsate blank 041513-RB-Shovel (680-89421-10). | |

¹ All analytical work subcontracted to TestAmerica of Tampa, FL

² Independent technical reviewer

Data Validation Checklist (Continued)

| Review Questions | Yes | No | N/A | Samples (Analytes) Affected/Comments | Flag |
|--|-----|----|-----|---|------|
| 12. Are equipment/rinsate blanks associated with every sample? If no, note in DV report. | ✓ | | | According to the QAPP, a rinsate blank is to be collected after each decontamination event, which occurs once per week per the client. A rinsate blank, 041513-RB-Shovel (680-89421-10) was collected during the week of 4/15/13. The rinsate blank was analyzed for PAHs under Test America Job ID 680-89421-1. | |
| 13. Were analytes detected in samples below the blank contamination action level? If yes, U-flag positive sample results <5x associated blank concentration (10x for common blank contaminants – phthalates) | | | ✓ | Blank contamination does not exist. | |
| 14. Is a field duplicate associated with this Job? | ✓ | | | <ul style="list-style-type: none"> CV0689B-CSD (680-89516-5) is a field duplicate of CV0689B-CS (680-89516-4). CV1115A-CSD (680-89516-16) is a field duplicate of CV1115A-CS (680-89516-15). | |
| 15. Was precision deemed acceptable as defined by the project plans? | ✓ | | | Refer to Attachment B (Field Duplicate Evaluation) | |
| 16. Were DFTPP ion abundance criteria (i.e., Table 3 of SW-846 8270C) met? If no, professional judgment may be applied to determine to what extent the data may be utilized. | ✓ | | | Alternate tuning criteria were used by the laboratory (i.e., EPA Method 525.2). All ion abundance criteria were met per EPA Method 525.2. | |
| 17. Were samples analyzed within 12 hours of the DFTPP tune? If no, professional judgment may be applied to determine to what extent the data may be utilized. | ✓ | | | | |
| 18. Were initial and continuing calibration standards analyzed at the proper frequency for each instrument? <ul style="list-style-type: none"> Ensure that a minimum of five standards are used for the initial calibration. If no, use professional judgment to determine the effect on the data and note in the reviewer narrative. An initial calibration is to be associated with each sample analysis. A continuing calibration standard is to be analyzed for every 12 hours of sample analysis per instrument. | ✓ | | | <ul style="list-style-type: none"> Instrument ID: BSMA5973 Initial Calibration: 04/26/2013 ICV: 04/26/13 @ 11:49 Instrument ID: BSMA5973 Initial Calibration: 04/24/2013 ICV: 04/24/13 @ 16:06 Instrument ID: BSMD5973 Initial Calibration: 04/04/2013 ICV: 04/04/13 @ 16:27 CCV: 04/24/13 @ 12:46 CCV: 04/25/13 @ 12:21 | |
| 19. Were calibration results within laboratory/project specifications? <ul style="list-style-type: none"> ICAL (Criteria: ≤15 mean %RSD with individual CCC | | ✓ | | ICV of 04/04/13 @ 16:27, instrument BSMD5973: Benzo[a]pyrene @ -23.7 %D (Lab: ≤35, Project: ≤20), 76.5%R. A negative bias is indicated by the ICV | J |

Data Validation Checklist (Continued)

| Review Questions | Yes | No | N/A | Samples (Analytes) Affected/Comments | Flag |
|--|-----|----|-----|--|------|
| <p>%RSD \leq30 (\leq50% for poor performers), OR $r \geq$0.995, OR $r^2 \geq$0.99, and RRF \geq0.050 (\geq0.010 for poor performers):</p> <ul style="list-style-type: none"> ○ If %RSD >15 (>50% for poor performers), or $r <$0.995, or $r^2 <$0.995, then J-flag positive results and UJ-flag non-detects ○ If mean RRF <0.050 (<0.010 for poor performers), then J-flag positive results and R-flag non-detects • ICV and CCV (Criteria: \leq20%D (\leq50% for poor performers) and RF \geq0.050 (\geq0.010 for poor performers)): <ul style="list-style-type: none"> ○ If %D >20 (>50% for poor performers), then J-flag positive results and UJ-flag non-detects ○ If RF <0.050 (<0.010 for poor performers), then UJ-flag non-detected semivolatile target compounds | | | | percent difference and the analyte was detected in the associated samples ³ ; therefore, J-flag sample results. | |
| 20. Was a LCS prepared for each batch and matrix? | ✓ | | | | |
| 21. Were LCS recoveries within lab control limits? If no, J-flag positive results when %R >Upper Control Limit (UCL) and J/R-flag results when %R <Lower Control Limit (LCL). | ✓ | | | | |
| 22. Were LCS/LCSD RPD within lab specifications? If no, J-flag positive results and UJ-flag non-detects. | | | ✓ | LCS Only | |
| 23. Was a MS/MSD pair extracted at the proper frequency (one per 20 samples per batch)? | ✓ | | | | |
| 24. Is the MS/MSD parent sample a project-specific sample? | ✓ | | | <ul style="list-style-type: none"> • Pre Batch 136818: 680-89516-2 (CV0117B-CS), MS/MSD • Prep Batch 136774: 680-89513-23 (CV1321A-CS), MS/MSD. Lab sample 680-89513-23 is a project-specific sample (CV1321A-CS) that was selected by TestAmerica for the PAH MS/MSD analyses, and the results were reported under Job ID 680-89513-2. • Prep Batch 136752: 680-89459-22 (CV1219B-CS), MS/MSD. Lab sample 680-89459-22 is a project-specific sample (CV1219B-CS) that was selected by TestAmerica for the PAH MS/MSD analyses, and the results were reported under Job ID 680-89459-2. | |
| 25. Were MS/MSD recoveries within laboratory/project | | ✓ | | CV0117B-CS (680-89516-2): Naphthalene @ 88 and 194 %R (36-130). Qualification of data not required ⁴ . | |

³ Associated samples: 680-89516-1, -3 through -7, & -12 through -20

⁴ The recovery of either the MS or MSD met control limits.

Data Validation Checklist (Continued)

| Review Questions | Yes | No | N/A | Samples (Analytes) Affected/Comments | Flag |
|--|-----|----|-----|--|------|
| <p>specifications? <i>Only QC results for project samples are evaluated that are reported under this Job ID are evaluated.</i></p> <ul style="list-style-type: none"> If the native sample concentration > 4x spiking level, then an evaluation of interference is not possible. If either MS or MSD recovery meets control limits, qualification of data is not warranted. MS and MSD %R<10: J and R Flag positive and ND results, respectively MS and MSD %R >10 and <LCL: J-Flag positive and UJ-flag non-detect results MS and MSD R% >UCL (or 140): J-Flag positive results | | | | | |
| <p>26. Were laboratory criteria met for precision during the MS/MSD analysis? <i>Only QC results for project samples are evaluated that are reported under this Job ID are evaluated.</i></p> <ul style="list-style-type: none"> If the native sample concentration > 4x spiking level, then an evaluation of interference is not possible. If %RPD > UCL, J-flag positive result and UJ-flag non-detect result. | | ✓ | | CV0117B-CS (680-89516-2): <ul style="list-style-type: none"> 1-Methylnaphthalene@ 45 %RPD (≤40). J-Flag 2-Methylnaphthalene @ 47 %RPD (≤40). J-Flag Naphthalene @ 66 %RPD (≤40). J-Flag Phenanthrene @ 46 %RPD (≤40). J-Flag | J |
| <p>27. Were surrogate recoveries within lab/project specifications?</p> <ul style="list-style-type: none"> If %R for 1 Acid or BN surrogates <10, then J-flag positive and R-flag non-detect associated sample results If 2 or more Acid or BN %R >UCL, then J-flag positive results If 2 or more Acid or BN %R ≥10%, but <LCL, then J-flag positive results and UJ-flag non-detect results If 2 or more Acid or BN , with 1 %R >UCL and 1 %R ≥10%, but <LCL, then J-flag positive results and UJ-flag non-detect results | ✓ | | | | |
| <p>28. Were internal standard (IS) results within lab/project specifications?</p> <ul style="list-style-type: none"> If IS area counts are less than 50% of the midpoint calibration standard, then J-flag positive and UJ-flag non-detect associated sample results If IS area counts are greater than 100% of the midpoint calibration standard, then J-flag positive results If extremely low area counts are reported or performance exhibits a major abrupt drop-off, then a severe loss of | ✓ | | | | |

Data Validation Checklist (Continued)

| Review Questions | Yes | No | N/A | Samples (Analytes) Affected/Comments | Flag |
|--|-----|----|-----|---|------|
| sensitivity is indicated, J-flag positive and R-flag non-detect results <ul style="list-style-type: none"> • If retention time of sample’s internal standard is not within 30 seconds of the associated calibration standard, R-flag associated data. • The chromatographic profile for that sample must be examined to determine if any false positives or negatives exists. For shifts of large magnitude, the reviewer may consider partial or total rejection of the data for that sample fraction. Positive results need not be qualified as R, if mass spectral criteria are met. | | | | | |
| 29. Were lab comments included in report? | ✓ | | | Refer to Attachment C (Case Narrative) | |
| <p>Comments: The data validation was conducted in accordance with the <i>Non-Industrial Use Property Sampling Event QAPP for the 35th Avenue Removal Site, Birmingham, Alabama, Revision 1</i> (OTIE, October 2012). The data review process was modeled after the <i>USEPA Contract Laboratory Program (CLP) National Functional Guidelines (NFG) for Organic Methods Data Review</i> (EPA, October 1999) and <i>USEPA CLP NFG for Low Concentration Organic Methods Data Review</i> (EPA, June 2001). Sample results have been qualified based on the results of the data review process (Attachment D). Criteria for acceptability of data were based upon available site information, analytical method requirements, guidance documents, and professional judgment.</p> | | | | | |

DV Flag Definitions:

- J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
- R The sample results are unusable. The analyte may or may not be present in the sample.
- U The analyte was analyzed for, but was not detected above the associated level; blank contamination may exist.
- UJ The analyte was not detected above the limit, and the limit is approximate and may be inaccurate or imprecise.

ATTACHMENT A
SAMPLE SUMMARY

Sample Summary

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89516-1
SDG: 68089516-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---------------|------------------|--------|----------------|----------------|
| 680-89516-1 | CV0117A-CS | Solid | 04/17/13 10:20 | 04/19/13 08:50 |
| 680-89516-2 | CV0117B-CS | Solid | 04/17/13 10:30 | 04/19/13 08:50 |
| 680-89516-3 | CV0689A-CS | Solid | 04/17/13 08:30 | 04/19/13 08:50 |
| 680-89516-4 | CV0689B-CS | Solid | 04/17/13 08:40 | 04/19/13 08:50 |
| 680-89516-5 | CV0689B-CSD | Solid | 04/17/13 08:40 | 04/19/13 08:50 |
| 680-89516-6 | CV1102A-CS | Solid | 04/17/13 09:10 | 04/19/13 08:50 |
| 680-89516-7 | CV1102B-CS | Solid | 04/17/13 09:20 | 04/19/13 08:50 |
| 680-89516-8 | HP0234A-CS-SP | Solid | 04/17/13 11:20 | 04/19/13 08:50 |
| 680-89516-9 | HP0234B-CS-SP | Solid | 04/17/13 11:30 | 04/19/13 08:50 |
| 680-89516-10 | FM0296A-CS-SP | Solid | 04/17/13 09:25 | 04/19/13 08:50 |
| 680-89516-11 | FM0296B-CS-SP | Solid | 04/17/13 09:40 | 04/19/13 08:50 |
| 680-89516-12 | FM0296C-CS-SP | Solid | 04/17/13 09:55 | 04/19/13 08:50 |
| 680-89516-13 | FM0296D-CS-SP | Solid | 04/17/13 10:10 | 04/19/13 08:50 |
| 680-89516-14 | FM0296E-CS-SP | Solid | 04/17/13 10:35 | 04/19/13 08:50 |
| 680-89516-15 | CV1115A-CS | Solid | 04/17/13 12:45 | 04/19/13 08:50 |
| 680-89516-16 | CV1115A-CSD | Solid | 04/17/13 12:45 | 04/19/13 08:50 |
| 680-89516-17 | CV1115B-CS | Solid | 04/17/13 12:55 | 04/19/13 08:50 |
| 680-89516-18 | CV1178A-CS | Solid | 04/17/13 13:30 | 04/19/13 08:50 |
| 680-89516-19 | CV1178B-CS | Solid | 04/17/13 13:40 | 04/19/13 08:50 |
| 680-89516-20 | CV1264A-CS | Solid | 04/17/13 14:50 | 04/19/13 08:50 |

ATTACHMENT B
FIELD DUPLICATE EVALUATION

Evaluation of Field Duplicate Results

| Analyte | CV0689B-CS 680-89516-4 | RL | CV0689B-CSD 680-89516-5 | RL | Unit | Avg. RLx5 | RPD | Absolute difference | 2x Avg RL | Action |
|------------------------|---------------------------|------|----------------------------|------|-------|-----------|-----|------------------------|--------------|---------------------------------------|
| Acenaphthylene | 14 | J 51 | 11 | J 51 | µg/kg | 255 | NA | 3 | 102 | None, absolute difference ≤ 2x Avg RL |
| Anthracene | 28 | 11 | 18 | 11 | µg/kg | 55 | NA | 10 | 22 | None, absolute difference ≤ 2x Avg RL |
| Benzo(a)anthracene | 110 | 10 | 100 | 10 | µg/kg | 50 | 10 | NA | NA | None, RPD ≤ 50% |
| Benzo(a)pyrene | 120 | 13 | 100 | 13 | µg/kg | 65 | 18 | NA | NA | None, RPD ≤ 50% |
| Benzo(b)fluoranthene | 240 | 16 | 180 | 16 | µg/kg | 80 | 29 | NA | NA | None, RPD ≤ 50% |
| Benzo(g,h,i)perylene | 64 | 26 | 49 | 26 | µg/kg | 130 | NA | 15 | 52 | None, absolute difference ≤ 2x Avg RL |
| Benzo(k)fluoranthene | 64 | 10 | 68 | 10 | µg/kg | 50 | 6 | NA | NA | None, RPD ≤ 50% |
| Chrysene | 160 | 11 | 130 | 12 | µg/kg | 57.5 | 21 | NA | NA | None, RPD ≤ 50% |
| Dibenzo(a,h)anthracene | 24 | J 26 | 20 | J 26 | µg/kg | 130 | NA | 4 | 52 | None, absolute difference ≤ 2x Avg RL |
| Fluoranthene | 170 | 26 | 150 | 26 | µg/kg | 130 | 13 | NA | NA | None, RPD ≤ 50% |
| Fluorene | 9.5 | J 26 | 7.2 | J 26 | µg/kg | 130 | NA | 2.3 | 52 | None, absolute difference ≤ 2x Avg RL |
| Indeno(1,2,3-cd)pyrene | 58 | 26 | 50 | 26 | µg/kg | 130 | NA | 8 | 52 | None, absolute difference ≤ 2x Avg RL |
| 1-Methylnaphthalene | 120 | 51 | 61 | 51 | µg/kg | 255 | NA | 59 | 102 | None, absolute difference ≤ 2x Avg RL |
| 2-Methylnaphthalene | 160 | 51 | 70 | 51 | µg/kg | 255 | NA | 90 | 102 | None, absolute difference ≤ 2x Avg RL |
| Naphthalene | 120 | 51 | 70 | 51 | µg/kg | 255 | NA | 50 | 102 | None, absolute difference ≤ 2x Avg RL |
| Phenanthrene | 150 | 10 | 110 | 10 | µg/kg | 50 | 31 | NA | NA | None, RPD ≤ 50% |
| Pyrene | 120 | 26 | 110 | 26 | µg/kg | 130 | NA | 10 | 52 | None, absolute difference ≤ 2x Avg RL |

Note: If the analyte was not detected, then the cell was left blank.

µg/kg - micrograms per kilogram

J - Estimated value

UJ - Not detected and the limit is estimated

NA - Not applicable

RL - Reporting limit

RPD - Relative percent difference

Precision is based on either the absolute difference between sample results or RPD. If the sample results are less than or equal to 5x's the RL, then precision is based on the absolute difference between duplicate results. If sample results >5x's RL, then precision is evaluated using RPD. J-Flag sample results whenever the absolute difference is greater than the RL (2x for soils) or the RPD >20% (50% for soil). Table above presents the results for detected analytes only.

Evaluation of Field Duplicate Results

| Analyte | CV1115A-CS 680-89516-15 | RL | CV1115A-CSD 680-89516-16 | RL | Unit | Avg. RLx5 | RPD | Absolute difference | 2x Avg RL | Action |
|------------------------|----------------------------|------|-----------------------------|------|-------|-----------|-----|------------------------|--------------|---------------------------------------|
| Acenaphthylene | 13 | J 51 | 12 | J 50 | µg/kg | 252.5 | NA | 1 | 101 | None, absolute difference ≤ 2x Avg RL |
| Anthracene | 25 | 11 | 19 | 11 | µg/kg | 55 | NA | 6 | 22 | None, absolute difference ≤ 2x Avg RL |
| Benzo(a)anthracene | 96 | 10 | 98 | 10 | µg/kg | 50 | 2 | NA | NA | None, RPD ≤ 50% |
| Benzo(a)pyrene | 91 | 13 | 94 | 13 | µg/kg | 65 | 3 | NA | NA | None, RPD ≤ 50% |
| Benzo(b)fluoranthene | 160 | 15 | 190 | 15 | µg/kg | 75 | 17 | NA | NA | None, RPD ≤ 50% |
| Benzo(g,h,i)perylene | 58 | 25 | 56 | 25 | µg/kg | 125 | NA | 2 | 50 | None, absolute difference ≤ 2x Avg RL |
| Benzo(k)fluoranthene | 62 | 10 | 57 | 10 | µg/kg | 50 | 8 | NA | NA | None, RPD ≤ 50% |
| Chrysene | 130 | 11 | 130 | 11 | µg/kg | 55 | 0 | NA | NA | None, RPD ≤ 50% |
| Dibenzo(a,h)anthracene | 22 | J 25 | 20 | J 25 | µg/kg | 125 | NA | 2 | 50 | None, absolute difference ≤ 2x Avg RL |
| Fluoranthene | 170 | 25 | 150 | 25 | µg/kg | 125 | 13 | NA | NA | None, RPD ≤ 50% |
| Fluorene | 7.8 | J 25 | 5.6 | J 25 | µg/kg | 125 | NA | 2.2 | 50 | None, absolute difference ≤ 2x Avg RL |
| Indeno(1,2,3-cd)pyrene | 50 | 25 | 46 | 25 | µg/kg | 125 | NA | 4 | 50 | None, absolute difference ≤ 2x Avg RL |
| 1-Methylnaphthalene | 39 | J 51 | 47 | J 50 | µg/kg | 252.5 | NA | 8 | 101 | None, absolute difference ≤ 2x Avg RL |
| 2-Methylnaphthalene | 60 | 51 | 64 | 50 | µg/kg | 252.5 | NA | 4 | 101 | None, absolute difference ≤ 2x Avg RL |
| Naphthalene | 50 | J 51 | 53 | 50 | µg/kg | 252.5 | NA | 3 | 101 | None, absolute difference ≤ 2x Avg RL |
| Phenanthrene | 110 | 10 | 100 | 10 | µg/kg | 50 | 10 | NA | NA | None, RPD ≤ 50% |
| Pyrene | 130 | 25 | 110 | 25 | µg/kg | 125 | NA | 20 | 50 | None, absolute difference ≤ 2x Avg RL |

Note: If the analyte was not detected, then the cell was left blank.

µg/kg - micrograms per kilogram

J - Estimated value

UJ - Not detected and the limit is estimated

NA - Not applicable

RL - Reporting limit

RPD - Relative percent difference

Precision is based on either the absolute difference between sample results or RPD. If the sample results are less than or equal to 5x's the RL, then precision is based on the absolute difference between duplicate results. If sample results >5x's RL, then precision is evaluated using RPD. J-Flag sample results whenever the absolute difference is greater than the RL (2x for soils) or the RPD >20% (50% for soil). Table above presents the results for detected analytes only.

ATTACHMENT C
CASE NARRATIVE

Case Narrative

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89516-1
SDG: 68089516-1

Job ID: 680-89516-1

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: Oneida Total Integrated Enterprises LLC

Project: 35th Avenue Superfund Site

Report Number: 680-89516-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

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 04/19/2013; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 0.6 C.

SEMIVOLATILE ORGANIC COMPOUNDS BY GCMS - LOW LEVEL

Samples CV0117A-CS (680-89516-1), CV0117B-CS (680-89516-2), CV0689A-CS (680-89516-3), CV0689B-CS (680-89516-4), CV0689B-CSD (680-89516-5), CV1102A-CS (680-89516-6), CV1102B-CS (680-89516-7), HP0234A-CS-SP (680-89516-8), HP0234B-CS-SP (680-89516-9), FM0296A-CS-SP (680-89516-10), FM0296B-CS-SP (680-89516-11), FM0296C-CS-SP (680-89516-12), FM0296D-CS-SP (680-89516-13), FM0296E-CS-SP (680-89516-14), CV1115A-CS (680-89516-15), CV1115A-CSD (680-89516-16), CV1115B-CS (680-89516-17), CV1178A-CS (680-89516-18), CV1178B-CS (680-89516-19) and CV1264A-CS (680-89516-20) were analyzed for Semivolatile Organic Compounds by GCMS - Low Level in accordance with EPA SW-846 Method 8270C. The samples were prepared on 04/23/2013, 04/24/2013 and 04/25/2013 and analyzed on 04/24/2013, 04/25/2013 and 04/26/2013.

Samples CV0117A-CS (680-89516-1)[4X], CV1102B-CS (680-89516-7)[4X] and HP0234A-CS-SP (680-89516-8)[4X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Several analytes recovered outside the recovery criteria for the MS of sample 680-89513-23 in batch 660-136899.

Naphthalene recovered outside the recovery criteria for the MSD of sample CV0117B-CS (680-89516-2) in batch 660-136892. Several analytes exceeded the rpd limit.

No other difficulties were encountered during the SVOAs analyses.

All other quality control parameters were within the acceptance limits.

ATTACHMENT D
QUALIFIED SAMPLE RESULTS

Client Sample Results

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89516-1
 SDG: 68089516-1

Client Sample ID: CV0117A-CS

Lab Sample ID: 680-89516-1

Date Collected: 04/17/13 10:20

Matrix: Solid

Date Received: 04/19/13 08:50

Percent Solids: 76.4

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Acenaphthene | 520 | U | 520 | 100 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:11 | 4 |
| Acenaphthylene | 59 | J | 210 | 26 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:11 | 4 |
| Anthracene | 93 | | 44 | 22 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:11 | 4 |
| Benzo[a]anthracene | 330 | | 42 | 20 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:11 | 4 |
| Benzo[a]pyrene | 280 | J | 54 | 27 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:11 | 4 |
| Benzo[b]fluoranthene | 580 | | 64 | 32 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:11 | 4 |
| Benzo[g,h,i]perylene | 150 | | 100 | 23 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:11 | 4 |
| Benzo[k]fluoranthene | 170 | | 42 | 19 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:11 | 4 |
| Chrysene | 480 | | 47 | 24 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:11 | 4 |
| Dibenz(a,h)anthracene | 60 | J | 100 | 21 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:11 | 4 |
| Fluoranthene | 640 | | 100 | 21 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:11 | 4 |
| Fluorene | 33 | J | 100 | 21 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:11 | 4 |
| Indeno[1,2,3-cd]pyrene | 140 | | 100 | 37 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:11 | 4 |
| 1-Methylnaphthalene | 430 | | 210 | 23 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:11 | 4 |
| 2-Methylnaphthalene | 490 | | 210 | 37 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:11 | 4 |
| Naphthalene | 220 | | 210 | 23 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:11 | 4 |
| Phenanthrene | 690 | | 42 | 20 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:11 | 4 |
| Pyrene | 480 | | 100 | 19 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:11 | 4 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---------------------|-----------|-----------|----------|----------------|----------------|---------|
| <i>o</i> -Terphenyl | 66 | | 30 - 130 | 04/23/13 14:49 | 04/24/13 22:11 | 4 |

Client Sample ID: CV0117B-CS

Lab Sample ID: 680-89516-2

Date Collected: 04/17/13 10:30

Matrix: Solid

Date Received: 04/19/13 08:50

Percent Solids: 72.0

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Acenaphthene | 140 | U | 140 | 28 | ug/Kg | ☼ | 04/25/13 09:13 | 04/26/13 18:49 | 1 |
| Acenaphthylene | 36 | J | 56 | 7.0 | ug/Kg | ☼ | 04/25/13 09:13 | 04/26/13 18:49 | 1 |
| Anthracene | 64 | | 12 | 5.9 | ug/Kg | ☼ | 04/25/13 09:13 | 04/26/13 18:49 | 1 |
| Benzo[a]anthracene | 170 | | 11 | 5.4 | ug/Kg | ☼ | 04/25/13 09:13 | 04/26/13 18:49 | 1 |
| Benzo[a]pyrene | 160 | | 14 | 7.2 | ug/Kg | ☼ | 04/25/13 09:13 | 04/26/13 18:49 | 1 |
| Benzo[b]fluoranthene | 310 | | 17 | 8.5 | ug/Kg | ☼ | 04/25/13 09:13 | 04/26/13 18:49 | 1 |
| Benzo[g,h,i]perylene | 130 | | 28 | 6.1 | ug/Kg | ☼ | 04/25/13 09:13 | 04/26/13 18:49 | 1 |
| Benzo[k]fluoranthene | 71 | | 11 | 5.0 | ug/Kg | ☼ | 04/25/13 09:13 | 04/26/13 18:49 | 1 |
| Chrysene | 280 | | 13 | 6.3 | ug/Kg | ☼ | 04/25/13 09:13 | 04/26/13 18:49 | 1 |
| Dibenz(a,h)anthracene | 51 | | 28 | 5.7 | ug/Kg | ☼ | 04/25/13 09:13 | 04/26/13 18:49 | 1 |
| Fluoranthene | 230 | | 28 | 5.6 | ug/Kg | ☼ | 04/25/13 09:13 | 04/26/13 18:49 | 1 |
| Fluorene | 28 | | 28 | 5.7 | ug/Kg | ☼ | 04/25/13 09:13 | 04/26/13 18:49 | 1 |
| Indeno[1,2,3-cd]pyrene | 120 | | 28 | 9.9 | ug/Kg | ☼ | 04/25/13 09:13 | 04/26/13 18:49 | 1 |
| 1-Methylnaphthalene | 270 | FJ | 56 | 6.1 | ug/Kg | ☼ | 04/25/13 09:13 | 04/26/13 18:49 | 1 |
| 2-Methylnaphthalene | 290 | FJ | 56 | 9.9 | ug/Kg | ☼ | 04/25/13 09:13 | 04/26/13 18:49 | 1 |
| Naphthalene | 170 | FJ | 56 | 6.1 | ug/Kg | ☼ | 04/25/13 09:13 | 04/26/13 18:49 | 1 |
| Phenanthrene | 340 | FJ | 11 | 5.4 | ug/Kg | ☼ | 04/25/13 09:13 | 04/26/13 18:49 | 1 |
| Pyrene | 200 | | 28 | 5.2 | ug/Kg | ☼ | 04/25/13 09:13 | 04/26/13 18:49 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---------------------|-----------|-----------|----------|----------------|----------------|---------|
| <i>o</i> -Terphenyl | 65 | | 30 - 130 | 04/25/13 09:13 | 04/26/13 18:49 | 1 |

Sample results have been qualified by URS in accordance with the Non-Industrial Use Property Sampling Event QAPP for the 35th Avenue Removal Site, Birmingham, Alabama, Revision 1 (OTIE, October 2012)

Client Sample Results

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89516-1
 SDG: 68089516-1

Client Sample ID: CV0689A-CS

Lab Sample ID: 680-89516-3

Date Collected: 04/17/13 08:30

Matrix: Solid

Date Received: 04/19/13 08:50

Percent Solids: 73.2

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|------------------|------------------|---------------|-----|-------|---|-----------------|-----------------|----------------|
| Acenaphthene | 130 | U | 130 | 27 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:33 | 1 |
| Acenaphthylene | 65 | | 54 | 6.7 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:33 | 1 |
| Anthracene | 97 | | 11 | 5.6 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:33 | 1 |
| Benzo[a]anthracene | 380 | | 11 | 5.2 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:33 | 1 |
| Benzo[a]pyrene | 370 | J | 14 | 7.0 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:33 | 1 |
| Benzo[b]fluoranthene | 700 | | 16 | 8.2 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:33 | 1 |
| Benzo[g,h,i]perylene | 170 | | 27 | 5.9 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:33 | 1 |
| Benzo[k]fluoranthene | 240 | | 11 | 4.8 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:33 | 1 |
| Chrysene | 440 | | 12 | 6.0 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:33 | 1 |
| Dibenz(a,h)anthracene | 65 | | 27 | 5.5 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:33 | 1 |
| Fluoranthene | 670 | | 27 | 5.4 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:33 | 1 |
| Fluorene | 19 | J | 27 | 5.5 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:33 | 1 |
| Indeno[1,2,3-cd]pyrene | 160 | | 27 | 9.5 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:33 | 1 |
| 1-Methylnaphthalene | 140 | | 54 | 5.9 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:33 | 1 |
| 2-Methylnaphthalene | 170 | | 54 | 9.5 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:33 | 1 |
| Naphthalene | 140 | | 54 | 5.9 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:33 | 1 |
| Phenanthrene | 330 | | 11 | 5.2 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:33 | 1 |
| Pyrene | 470 | | 27 | 5.0 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:33 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| <i>o</i> -Terphenyl | 76 | | 30 - 130 | | | | 04/23/13 14:49 | 04/24/13 22:33 | 1 |

Client Sample ID: CV0689B-CS

Lab Sample ID: 680-89516-4

Date Collected: 04/17/13 08:40

Matrix: Solid

Date Received: 04/19/13 08:50

Percent Solids: 76.8

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|------------------|------------------|---------------|-----|-------|---|-----------------|-----------------|----------------|
| Acenaphthene | 130 | U | 130 | 26 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:56 | 1 |
| Acenaphthylene | 14 | J | 51 | 6.4 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:56 | 1 |
| Anthracene | 28 | | 11 | 5.4 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:56 | 1 |
| Benzo[a]anthracene | 110 | | 10 | 5.0 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:56 | 1 |
| Benzo[a]pyrene | 120 | J | 13 | 6.6 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:56 | 1 |
| Benzo[b]fluoranthene | 240 | | 16 | 7.8 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:56 | 1 |
| Benzo[g,h,i]perylene | 64 | | 26 | 5.6 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:56 | 1 |
| Benzo[k]fluoranthene | 64 | | 10 | 4.6 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:56 | 1 |
| Chrysene | 160 | | 11 | 5.7 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:56 | 1 |
| Dibenz(a,h)anthracene | 24 | J | 26 | 5.2 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:56 | 1 |
| Fluoranthene | 170 | | 26 | 5.1 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:56 | 1 |
| Fluorene | 9.5 | J | 26 | 5.2 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:56 | 1 |
| Indeno[1,2,3-cd]pyrene | 58 | | 26 | 9.1 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:56 | 1 |
| 1-Methylnaphthalene | 120 | | 51 | 5.6 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:56 | 1 |
| 2-Methylnaphthalene | 160 | | 51 | 9.1 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:56 | 1 |
| Naphthalene | 120 | | 51 | 5.6 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:56 | 1 |
| Phenanthrene | 150 | | 10 | 5.0 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:56 | 1 |
| Pyrene | 120 | | 26 | 4.7 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:56 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| <i>o</i> -Terphenyl | 81 | | 30 - 130 | | | | 04/23/13 14:49 | 04/24/13 22:56 | 1 |

Sample results have been qualified by URS in accordance with the Non-Industrial Use Property Sampling Event QAPP for the 35th Avenue Removal Site, Birmingham, Alabama, Revision 1 (OTIE, October 2012)

TestAmerica Savannah

Client Sample Results

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89516-1
 SDG: 68089516-1

Client Sample ID: CV0689B-CSD

Lab Sample ID: 680-89516-5

Date Collected: 04/17/13 08:40

Matrix: Solid

Date Received: 04/19/13 08:50

Percent Solids: 77.9

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|------------------|------------------|---------------|-----|-------|---|-----------------|-----------------|----------------|
| Acenaphthene | 130 | U | 130 | 26 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:18 | 1 |
| Acenaphthylene | 11 | J | 51 | 6.4 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:18 | 1 |
| Anthracene | 18 | | 11 | 5.4 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:18 | 1 |
| Benzo[a]anthracene | 100 | | 10 | 5.0 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:18 | 1 |
| Benzo[a]pyrene | 100 | J | 13 | 6.7 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:18 | 1 |
| Benzo[b]fluoranthene | 180 | | 16 | 7.8 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:18 | 1 |
| Benzo[g,h,i]perylene | 49 | | 26 | 5.7 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:18 | 1 |
| Benzo[k]fluoranthene | 68 | | 10 | 4.6 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:18 | 1 |
| Chrysene | 130 | | 12 | 5.8 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:18 | 1 |
| Dibenz(a,h)anthracene | 20 | J | 26 | 5.3 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:18 | 1 |
| Fluoranthene | 150 | | 26 | 5.1 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:18 | 1 |
| Fluorene | 7.2 | J | 26 | 5.3 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:18 | 1 |
| Indeno[1,2,3-cd]pyrene | 50 | | 26 | 9.1 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:18 | 1 |
| 1-Methylnaphthalene | 61 | | 51 | 5.7 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:18 | 1 |
| 2-Methylnaphthalene | 70 | | 51 | 9.1 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:18 | 1 |
| Naphthalene | 70 | | 51 | 5.7 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:18 | 1 |
| Phenanthrene | 110 | | 10 | 5.0 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:18 | 1 |
| Pyrene | 110 | | 26 | 4.8 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:18 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| <i>o</i> -Terphenyl | 79 | | 30 - 130 | | | | 04/23/13 14:49 | 04/24/13 23:18 | 1 |

Client Sample ID: CV1102A-CS

Lab Sample ID: 680-89516-6

Date Collected: 04/17/13 09:10

Matrix: Solid

Date Received: 04/19/13 08:50

Percent Solids: 77.5

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|------------------|------------------|---------------|-----|-------|---|-----------------|-----------------|----------------|
| Acenaphthene | 31 | J | 130 | 26 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:41 | 1 |
| Acenaphthylene | 19 | J | 51 | 6.4 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:41 | 1 |
| Anthracene | 54 | | 11 | 5.4 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:41 | 1 |
| Benzo[a]anthracene | 220 | | 10 | 5.0 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:41 | 1 |
| Benzo[a]pyrene | 230 | J | 13 | 6.7 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:41 | 1 |
| Benzo[b]fluoranthene | 450 | | 16 | 7.8 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:41 | 1 |
| Benzo[g,h,i]perylene | 110 | | 26 | 5.7 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:41 | 1 |
| Benzo[k]fluoranthene | 130 | | 10 | 4.6 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:41 | 1 |
| Chrysene | 300 | | 12 | 5.8 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:41 | 1 |
| Dibenz(a,h)anthracene | 38 | | 26 | 5.3 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:41 | 1 |
| Fluoranthene | 390 | | 26 | 5.1 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:41 | 1 |
| Fluorene | 21 | J | 26 | 5.3 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:41 | 1 |
| Indeno[1,2,3-cd]pyrene | 100 | | 26 | 9.1 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:41 | 1 |
| 1-Methylnaphthalene | 130 | | 51 | 5.7 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:41 | 1 |
| 2-Methylnaphthalene | 180 | | 51 | 9.1 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:41 | 1 |
| Naphthalene | 130 | | 51 | 5.7 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:41 | 1 |
| Phenanthrene | 320 | | 10 | 5.0 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:41 | 1 |
| Pyrene | 280 | | 26 | 4.8 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:41 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| <i>o</i> -Terphenyl | 63 | | 30 - 130 | | | | 04/23/13 14:49 | 04/24/13 23:41 | 1 |

Sample results have been qualified by URS in accordance with the Non-Industrial Use Property Sampling Event QAPP for the 35th Avenue Removal Site, Birmingham, Alabama, Revision 1 (OTIE, October 2012)

Client Sample Results

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89516-1
 SDG: 68089516-1

Client Sample ID: CV1102B-CS

Lab Sample ID: 680-89516-7

Date Collected: 04/17/13 09:20

Matrix: Solid

Date Received: 04/19/13 08:50

Percent Solids: 79.2

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|------------------|------------------|---------------|-----|-------|---|-----------------|-----------------|----------------|
| Acenaphthene | 500 | U | 500 | 100 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:03 | 4 |
| Acenaphthylene | 31 | J | 200 | 25 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:03 | 4 |
| Anthracene | 45 | | 42 | 21 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:03 | 4 |
| Benzo[a]anthracene | 190 | | 40 | 20 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:03 | 4 |
| Benzo[a]pyrene | 200 | J | 52 | 26 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:03 | 4 |
| Benzo[b]fluoranthene | 370 | | 61 | 31 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:03 | 4 |
| Benzo[g,h,i]perylene | 100 | | 100 | 22 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:03 | 4 |
| Benzo[k]fluoranthene | 130 | | 40 | 18 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:03 | 4 |
| Chrysene | 350 | | 45 | 23 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:03 | 4 |
| Dibenz(a,h)anthracene | 44 | J | 100 | 21 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:03 | 4 |
| Fluoranthene | 280 | | 100 | 20 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:03 | 4 |
| Fluorene | 100 | U | 100 | 21 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:03 | 4 |
| Indeno[1,2,3-cd]pyrene | 82 | J | 100 | 36 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:03 | 4 |
| 1-Methylnaphthalene | 190 | J | 200 | 22 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:03 | 4 |
| 2-Methylnaphthalene | 280 | | 200 | 36 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:03 | 4 |
| Naphthalene | 200 | | 200 | 22 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:03 | 4 |
| Phenanthrene | 320 | | 40 | 20 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:03 | 4 |
| Pyrene | 220 | | 100 | 19 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:03 | 4 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| <i>o</i> -Terphenyl | 79 | | 30 - 130 | | | | 04/23/13 14:49 | 04/25/13 00:03 | 4 |

Client Sample ID: HP0234A-CS-SP

Lab Sample ID: 680-89516-8

Date Collected: 04/17/13 11:20

Matrix: Solid

Date Received: 04/19/13 08:50

Percent Solids: 78.1

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|------------------|------------------|---------------|-----|-------|---|-----------------|-----------------|----------------|
| Acenaphthene | 510 | U | 510 | 100 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:59 | 4 |
| Acenaphthylene | 200 | U | 200 | 26 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:59 | 4 |
| Anthracene | 43 | U | 43 | 22 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:59 | 4 |
| Benzo[a]anthracene | 240 | | 41 | 20 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:59 | 4 |
| Benzo[a]pyrene | 380 | | 53 | 27 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:59 | 4 |
| Benzo[b]fluoranthene | 450 | | 62 | 31 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:59 | 4 |
| Benzo[g,h,i]perylene | 270 | | 100 | 23 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:59 | 4 |
| Benzo[k]fluoranthene | 110 | | 41 | 18 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:59 | 4 |
| Chrysene | 290 | | 46 | 23 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:59 | 4 |
| Dibenz(a,h)anthracene | 66 | J | 100 | 21 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:59 | 4 |
| Fluoranthene | 390 | | 100 | 20 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:59 | 4 |
| Fluorene | 44 | J | 100 | 21 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:59 | 4 |
| Indeno[1,2,3-cd]pyrene | 330 | | 100 | 36 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:59 | 4 |
| 1-Methylnaphthalene | 220 | | 200 | 23 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:59 | 4 |
| 2-Methylnaphthalene | 390 | | 200 | 36 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:59 | 4 |
| Naphthalene | 160 | J | 200 | 23 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:59 | 4 |
| Phenanthrene | 360 | | 41 | 20 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:59 | 4 |
| Pyrene | 400 | | 100 | 19 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:59 | 4 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| <i>o</i> -Terphenyl | 75 | | 30 - 130 | | | | 04/23/13 14:49 | 04/24/13 23:59 | 4 |

Sample results have been qualified by URS in accordance with the Non-Industrial Use Property Sampling Event QAPP for the 35th Avenue Removal Site, Birmingham, Alabama, Revision 1 (OTIE, October 2012)

Client Sample Results

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89516-1
 SDG: 68089516-1

Client Sample ID: HP0234B-CS-SP

Lab Sample ID: 680-89516-9

Date Collected: 04/17/13 11:30

Matrix: Solid

Date Received: 04/19/13 08:50

Percent Solids: 74.2

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|------------------|------------------|---------------|-----|-------|---|-----------------|-----------------|----------------|
| Acenaphthene | 33 | J | 140 | 27 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:18 | 1 |
| Acenaphthylene | 170 | | 54 | 6.8 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:18 | 1 |
| Anthracene | 200 | | 11 | 5.7 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:18 | 1 |
| Benzo[a]anthracene | 650 | | 11 | 5.3 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:18 | 1 |
| Benzo[a]pyrene | 510 | | 14 | 7.0 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:18 | 1 |
| Benzo[b]fluoranthene | 740 | | 17 | 8.3 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:18 | 1 |
| Benzo[g,h,i]perylene | 390 | | 27 | 6.0 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:18 | 1 |
| Benzo[k]fluoranthene | 240 | | 11 | 4.9 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:18 | 1 |
| Chrysene | 560 | | 12 | 6.1 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:18 | 1 |
| Dibenz(a,h)anthracene | 78 | | 27 | 5.6 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:18 | 1 |
| Fluoranthene | 990 | | 27 | 5.4 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:18 | 1 |
| Fluorene | 77 | | 27 | 5.6 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:18 | 1 |
| Indeno[1,2,3-cd]pyrene | 340 | | 27 | 9.6 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:18 | 1 |
| 1-Methylnaphthalene | 370 | | 54 | 6.0 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:18 | 1 |
| 2-Methylnaphthalene | 390 | | 54 | 9.6 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:18 | 1 |
| Naphthalene | 310 | | 54 | 6.0 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:18 | 1 |
| Phenanthrene | 960 | | 11 | 5.3 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:18 | 1 |
| Pyrene | 880 | | 27 | 5.0 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:18 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| <i>o</i> -Terphenyl | 65 | | 30 - 130 | | | | 04/23/13 14:49 | 04/25/13 00:18 | 1 |

Client Sample ID: FM0296A-CS-SP

Lab Sample ID: 680-89516-10

Date Collected: 04/17/13 09:25

Matrix: Solid

Date Received: 04/19/13 08:50

Percent Solids: 71.8

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|------------------|------------------|---------------|-----|-------|---|-----------------|-----------------|----------------|
| Acenaphthene | 36 | J | 140 | 27 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:36 | 1 |
| Acenaphthylene | 55 | U | 55 | 6.9 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:36 | 1 |
| Anthracene | 92 | | 12 | 5.8 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:36 | 1 |
| Benzo[a]anthracene | 290 | | 11 | 5.3 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:36 | 1 |
| Benzo[a]pyrene | 190 | | 14 | 7.1 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:36 | 1 |
| Benzo[b]fluoranthene | 270 | | 17 | 8.4 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:36 | 1 |
| Benzo[g,h,i]perylene | 130 | | 27 | 6.0 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:36 | 1 |
| Benzo[k]fluoranthene | 130 | | 11 | 4.9 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:36 | 1 |
| Chrysene | 280 | | 12 | 6.2 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:36 | 1 |
| Dibenz(a,h)anthracene | 35 | | 27 | 5.6 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:36 | 1 |
| Fluoranthene | 420 | | 27 | 5.5 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:36 | 1 |
| Fluorene | 43 | | 27 | 5.6 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:36 | 1 |
| Indeno[1,2,3-cd]pyrene | 170 | | 27 | 9.7 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:36 | 1 |
| 1-Methylnaphthalene | 180 | | 55 | 6.0 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:36 | 1 |
| 2-Methylnaphthalene | 280 | | 55 | 9.7 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:36 | 1 |
| Naphthalene | 240 | | 55 | 6.0 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:36 | 1 |
| Phenanthrene | 460 | | 11 | 5.3 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:36 | 1 |
| Pyrene | 340 | | 27 | 5.1 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:36 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| <i>o</i> -Terphenyl | 82 | | 30 - 130 | | | | 04/23/13 14:49 | 04/25/13 00:36 | 1 |

Sample results have been qualified by URS in accordance with the Non-Industrial Use Property Sampling Event QAPP for the 35th Avenue Removal Site, Birmingham, Alabama, Revision 1 (OTIE, October 2012)

Client Sample Results

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89516-1
 SDG: 68089516-1

Client Sample ID: FM0296B-CS-SP

Lab Sample ID: 680-89516-11

Date Collected: 04/17/13 09:40

Matrix: Solid

Date Received: 04/19/13 08:50

Percent Solids: 74.1

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|------------------|------------------|---------------|-----|-------|---|-----------------|-----------------|----------------|
| Acenaphthene | 130 | U | 130 | 26 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:55 | 1 |
| Acenaphthylene | 52 | U | 52 | 6.5 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:55 | 1 |
| Anthracene | 31 | | 11 | 5.5 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:55 | 1 |
| Benzo[a]anthracene | 89 | | 10 | 5.1 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:55 | 1 |
| Benzo[a]pyrene | 110 | | 14 | 6.8 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:55 | 1 |
| Benzo[b]fluoranthene | 130 | | 16 | 8.0 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:55 | 1 |
| Benzo[g,h,i]perylene | 77 | | 26 | 5.8 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:55 | 1 |
| Benzo[k]fluoranthene | 66 | | 10 | 4.7 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:55 | 1 |
| Chrysene | 97 | | 12 | 5.9 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:55 | 1 |
| Dibenz(a,h)anthracene | 21 | J | 26 | 5.4 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:55 | 1 |
| Fluoranthene | 140 | | 26 | 5.2 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:55 | 1 |
| Fluorene | 39 | | 26 | 5.4 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:55 | 1 |
| Indeno[1,2,3-cd]pyrene | 80 | | 26 | 9.3 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:55 | 1 |
| 1-Methylnaphthalene | 120 | | 52 | 5.8 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:55 | 1 |
| 2-Methylnaphthalene | 210 | | 52 | 9.3 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:55 | 1 |
| Naphthalene | 170 | | 52 | 5.8 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:55 | 1 |
| Phenanthrene | 180 | | 10 | 5.1 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:55 | 1 |
| Pyrene | 85 | | 26 | 4.8 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:55 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| <i>o</i> -Terphenyl | 77 | | 30 - 130 | | | | 04/23/13 14:49 | 04/25/13 00:55 | 1 |

Client Sample ID: FM0296C-CS-SP

Lab Sample ID: 680-89516-12

Date Collected: 04/17/13 09:55

Matrix: Solid

Date Received: 04/19/13 08:50

Percent Solids: 73.4

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|------------------|------------------|---------------|-----|-------|---|-----------------|-----------------|----------------|
| Acenaphthene | 140 | U | 140 | 27 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:03 | 1 |
| Acenaphthylene | 15 | J | 54 | 6.8 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:03 | 1 |
| Anthracene | 30 | | 11 | 5.7 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:03 | 1 |
| Benzo[a]anthracene | 110 | | 11 | 5.3 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:03 | 1 |
| Benzo[a]pyrene | 97 | J | 14 | 7.1 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:03 | 1 |
| Benzo[b]fluoranthene | 180 | | 17 | 8.3 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:03 | 1 |
| Benzo[g,h,i]perylene | 70 | | 27 | 6.0 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:03 | 1 |
| Benzo[k]fluoranthene | 50 | | 11 | 4.9 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:03 | 1 |
| Chrysene | 190 | | 12 | 6.1 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:03 | 1 |
| Dibenz(a,h)anthracene | 25 | J | 27 | 5.6 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:03 | 1 |
| Fluoranthene | 210 | | 27 | 5.4 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:03 | 1 |
| Fluorene | 16 | J | 27 | 5.6 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:03 | 1 |
| Indeno[1,2,3-cd]pyrene | 51 | | 27 | 9.7 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:03 | 1 |
| 1-Methylnaphthalene | 190 | | 54 | 6.0 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:03 | 1 |
| 2-Methylnaphthalene | 260 | | 54 | 9.7 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:03 | 1 |
| Naphthalene | 200 | | 54 | 6.0 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:03 | 1 |
| Phenanthrene | 270 | | 11 | 5.3 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:03 | 1 |
| Pyrene | 150 | | 27 | 5.0 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:03 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| <i>o</i> -Terphenyl | 65 | | 30 - 130 | | | | 04/24/13 09:50 | 04/25/13 18:03 | 1 |

Sample results have been qualified by URS in accordance with the Non-Industrial Use Property Sampling Event QAPP for the 35th Avenue Removal Site, Birmingham, Alabama, Revision 1 (OTTE, October 2012)

Client Sample Results

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89516-1
 SDG: 68089516-1

Client Sample ID: FM0296D-CS-SP

Lab Sample ID: 680-89516-13

Date Collected: 04/17/13 10:10

Matrix: Solid

Date Received: 04/19/13 08:50

Percent Solids: 75.7

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|------------------|------------------|---------------|-----|-------|---|-----------------|-----------------|----------------|
| Acenaphthene | 130 | U | 130 | 26 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:26 | 1 |
| Acenaphthylene | 13 | J | 52 | 6.6 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:26 | 1 |
| Anthracene | 23 | | 11 | 5.5 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:26 | 1 |
| Benzo[a]anthracene | 82 | | 10 | 5.1 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:26 | 1 |
| Benzo[a]pyrene | 66 | J | 14 | 6.8 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:26 | 1 |
| Benzo[b]fluoranthene | 130 | | 16 | 8.0 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:26 | 1 |
| Benzo[g,h,i]perylene | 47 | | 26 | 5.8 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:26 | 1 |
| Benzo[k]fluoranthene | 38 | | 10 | 4.7 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:26 | 1 |
| Chrysene | 130 | | 12 | 5.9 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:26 | 1 |
| Dibenz(a,h)anthracene | 17 | J | 26 | 5.4 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:26 | 1 |
| Fluoranthene | 130 | | 26 | 5.2 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:26 | 1 |
| Fluorene | 16 | J | 26 | 5.4 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:26 | 1 |
| Indeno[1,2,3-cd]pyrene | 37 | | 26 | 9.3 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:26 | 1 |
| 1-Methylnaphthalene | 240 | | 52 | 5.8 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:26 | 1 |
| 2-Methylnaphthalene | 350 | | 52 | 9.3 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:26 | 1 |
| Naphthalene | 260 | | 52 | 5.8 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:26 | 1 |
| Phenanthrene | 230 | | 10 | 5.1 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:26 | 1 |
| Pyrene | 97 | | 26 | 4.8 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:26 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| <i>o</i> -Terphenyl | 71 | | 30 - 130 | | | | 04/24/13 09:50 | 04/25/13 18:26 | 1 |

Client Sample ID: FM0296E-CS-SP

Lab Sample ID: 680-89516-14

Date Collected: 04/17/13 10:35

Matrix: Solid

Date Received: 04/19/13 08:50

Percent Solids: 84.5

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|------------------|------------------|---------------|-----|-------|---|-----------------|-----------------|----------------|
| Acenaphthene | 120 | U | 120 | 23 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:48 | 1 |
| Acenaphthylene | 8.3 | J | 47 | 5.8 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:48 | 1 |
| Anthracene | 32 | | 9.8 | 4.9 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:48 | 1 |
| Benzo[a]anthracene | 110 | | 9.3 | 4.6 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:48 | 1 |
| Benzo[a]pyrene | 69 | J | 12 | 6.1 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:48 | 1 |
| Benzo[b]fluoranthene | 130 | | 14 | 7.1 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:48 | 1 |
| Benzo[g,h,i]perylene | 45 | | 23 | 5.1 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:48 | 1 |
| Benzo[k]fluoranthene | 41 | | 9.3 | 4.2 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:48 | 1 |
| Chrysene | 120 | | 11 | 5.3 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:48 | 1 |
| Dibenz(a,h)anthracene | 18 | J | 23 | 4.8 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:48 | 1 |
| Fluoranthene | 170 | | 23 | 4.7 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:48 | 1 |
| Fluorene | 15 | J | 23 | 4.8 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:48 | 1 |
| Indeno[1,2,3-cd]pyrene | 37 | | 23 | 8.3 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:48 | 1 |
| 1-Methylnaphthalene | 240 | | 47 | 5.1 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:48 | 1 |
| 2-Methylnaphthalene | 310 | | 47 | 8.3 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:48 | 1 |
| Naphthalene | 230 | | 47 | 5.1 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:48 | 1 |
| Phenanthrene | 230 | | 9.3 | 4.6 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:48 | 1 |
| Pyrene | 120 | | 23 | 4.3 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:48 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| <i>o</i> -Terphenyl | 59 | | 30 - 130 | | | | 04/24/13 09:50 | 04/25/13 18:48 | 1 |

Sample results have been qualified by URS in accordance with the Non-Industrial Use Property Sampling Event QAPP for the 35th Avenue Removal Site, Birmingham, Alabama, Revision 1 (OTTE, October 2012)

Client Sample Results

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89516-1
 SDG: 68089516-1

Client Sample ID: CV1115A-CS

Lab Sample ID: 680-89516-15

Date Collected: 04/17/13 12:45

Matrix: Solid

Date Received: 04/19/13 08:50

Percent Solids: 78.9

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|------------------|------------------|---------------|-----|-------|---|-----------------|-----------------|----------------|
| Acenaphthene | 130 | U | 130 | 25 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:11 | 1 |
| Acenaphthylene | 13 | J | 51 | 6.3 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:11 | 1 |
| Anthracene | 25 | | 11 | 5.3 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:11 | 1 |
| Benzo[a]anthracene | 96 | | 10 | 4.9 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:11 | 1 |
| Benzo[a]pyrene | 91 | J | 13 | 6.6 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:11 | 1 |
| Benzo[b]fluoranthene | 160 | | 15 | 7.7 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:11 | 1 |
| Benzo[g,h,i]perylene | 58 | | 25 | 5.6 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:11 | 1 |
| Benzo[k]fluoranthene | 62 | | 10 | 4.6 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:11 | 1 |
| Chrysene | 130 | | 11 | 5.7 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:11 | 1 |
| Dibenz(a,h)anthracene | 22 | J | 25 | 5.2 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:11 | 1 |
| Fluoranthene | 170 | | 25 | 5.1 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:11 | 1 |
| Fluorene | 7.8 | J | 25 | 5.2 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:11 | 1 |
| Indeno[1,2,3-cd]pyrene | 50 | | 25 | 9.0 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:11 | 1 |
| 1-Methylnaphthalene | 39 | J | 51 | 5.6 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:11 | 1 |
| 2-Methylnaphthalene | 60 | | 51 | 9.0 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:11 | 1 |
| Naphthalene | 50 | J | 51 | 5.6 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:11 | 1 |
| Phenanthrene | 110 | | 10 | 4.9 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:11 | 1 |
| Pyrene | 130 | | 25 | 4.7 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:11 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| <i>o</i> -Terphenyl | 63 | | 30 - 130 | | | | 04/24/13 09:50 | 04/25/13 19:11 | 1 |

Client Sample ID: CV1115A-CSD

Lab Sample ID: 680-89516-16

Date Collected: 04/17/13 12:45

Matrix: Solid

Date Received: 04/19/13 08:50

Percent Solids: 79.6

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|------------------|------------------|---------------|-----|-------|---|-----------------|-----------------|----------------|
| Acenaphthene | 130 | U | 130 | 25 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:33 | 1 |
| Acenaphthylene | 12 | J | 50 | 6.3 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:33 | 1 |
| Anthracene | 19 | | 11 | 5.3 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:33 | 1 |
| Benzo[a]anthracene | 98 | | 10 | 4.9 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:33 | 1 |
| Benzo[a]pyrene | 94 | J | 13 | 6.5 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:33 | 1 |
| Benzo[b]fluoranthene | 190 | | 15 | 7.7 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:33 | 1 |
| Benzo[g,h,i]perylene | 56 | | 25 | 5.5 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:33 | 1 |
| Benzo[k]fluoranthene | 57 | | 10 | 4.5 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:33 | 1 |
| Chrysene | 130 | | 11 | 5.7 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:33 | 1 |
| Dibenz(a,h)anthracene | 20 | J | 25 | 5.2 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:33 | 1 |
| Fluoranthene | 150 | | 25 | 5.0 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:33 | 1 |
| Fluorene | 5.6 | J | 25 | 5.2 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:33 | 1 |
| Indeno[1,2,3-cd]pyrene | 46 | | 25 | 8.9 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:33 | 1 |
| 1-Methylnaphthalene | 47 | J | 50 | 5.5 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:33 | 1 |
| 2-Methylnaphthalene | 64 | | 50 | 8.9 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:33 | 1 |
| Naphthalene | 53 | | 50 | 5.5 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:33 | 1 |
| Phenanthrene | 100 | | 10 | 4.9 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:33 | 1 |
| Pyrene | 110 | | 25 | 4.7 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:33 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| <i>o</i> -Terphenyl | 62 | | 30 - 130 | | | | 04/24/13 09:50 | 04/25/13 19:33 | 1 |

Sample results have been qualified by URS in accordance with the Non-Industrial Use Property Sampling Event QAPP for the 35th Avenue Removal Site, Birmingham, Alabama, Revision 1 (OTTE, October 2012)

Client Sample Results

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89516-1
 SDG: 68089516-1

Client Sample ID: CV1115B-CS

Lab Sample ID: 680-89516-17

Date Collected: 04/17/13 12:55

Matrix: Solid

Date Received: 04/19/13 08:50

Percent Solids: 67.5

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|------------------|------------------|---------------|-----|-------|---|-----------------|-----------------|----------------|
| Acenaphthene | 140 | U | 140 | 29 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:56 | 1 |
| Acenaphthylene | 57 | U | 57 | 7.2 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:56 | 1 |
| Anthracene | 8.8 | J | 12 | 6.0 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:56 | 1 |
| Benzo[a]anthracene | 41 | | 11 | 5.6 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:56 | 1 |
| Benzo[a]pyrene | 29 | J | 15 | 7.5 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:56 | 1 |
| Benzo[b]fluoranthene | 54 | | 18 | 8.8 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:56 | 1 |
| Benzo[g,h,i]perylene | 18 | J | 29 | 6.3 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:56 | 1 |
| Benzo[k]fluoranthene | 19 | | 11 | 5.2 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:56 | 1 |
| Chrysene | 45 | | 13 | 6.5 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:56 | 1 |
| Dibenz(a,h)anthracene | 6.6 | J | 29 | 5.9 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:56 | 1 |
| Fluoranthene | 51 | | 29 | 5.7 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:56 | 1 |
| Fluorene | 29 | U | 29 | 5.9 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:56 | 1 |
| Indeno[1,2,3-cd]pyrene | 15 | J | 29 | 10 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:56 | 1 |
| 1-Methylnaphthalene | 16 | J | 57 | 6.3 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:56 | 1 |
| 2-Methylnaphthalene | 21 | J | 57 | 10 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:56 | 1 |
| Naphthalene | 21 | J | 57 | 6.3 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:56 | 1 |
| Phenanthrene | 34 | | 11 | 5.6 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:56 | 1 |
| Pyrene | 39 | | 29 | 5.3 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:56 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| <i>o</i> -Terphenyl | 72 | | 30 - 130 | | | | 04/24/13 09:50 | 04/25/13 19:56 | 1 |

Client Sample ID: CV1178A-CS

Lab Sample ID: 680-89516-18

Date Collected: 04/17/13 13:30

Matrix: Solid

Date Received: 04/19/13 08:50

Percent Solids: 86.2

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|------------------|------------------|---------------|-----|-------|---|-----------------|-----------------|----------------|
| Acenaphthene | 29 | J | 110 | 23 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 20:18 | 1 |
| Acenaphthylene | 19 | J | 45 | 5.7 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 20:18 | 1 |
| Anthracene | 49 | | 9.5 | 4.8 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 20:18 | 1 |
| Benzo[a]anthracene | 180 | | 9.1 | 4.4 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 20:18 | 1 |
| Benzo[a]pyrene | 190 | J | 12 | 5.9 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 20:18 | 1 |
| Benzo[b]fluoranthene | 350 | | 14 | 6.9 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 20:18 | 1 |
| Benzo[g,h,i]perylene | 100 | | 23 | 5.0 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 20:18 | 1 |
| Benzo[k]fluoranthene | 110 | | 9.1 | 4.1 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 20:18 | 1 |
| Chrysene | 200 | | 10 | 5.1 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 20:18 | 1 |
| Dibenz(a,h)anthracene | 37 | | 23 | 4.7 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 20:18 | 1 |
| Fluoranthene | 300 | | 23 | 4.5 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 20:18 | 1 |
| Fluorene | 16 | J | 23 | 4.7 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 20:18 | 1 |
| Indeno[1,2,3-cd]pyrene | 88 | | 23 | 8.1 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 20:18 | 1 |
| 1-Methylnaphthalene | 31 | J | 45 | 5.0 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 20:18 | 1 |
| 2-Methylnaphthalene | 41 | J | 45 | 8.1 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 20:18 | 1 |
| Naphthalene | 50 | | 45 | 5.0 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 20:18 | 1 |
| Phenanthrene | 190 | | 9.1 | 4.4 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 20:18 | 1 |
| Pyrene | 220 | | 23 | 4.2 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 20:18 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| <i>o</i> -Terphenyl | 57 | | 30 - 130 | | | | 04/24/13 09:50 | 04/25/13 20:18 | 1 |

Sample results have been qualified by URS in accordance with the Non-Industrial Use Property Sampling Event QAPP for the 35th Avenue Removal Site, Birmingham, Alabama, Revision 1 (OTTE, October 2012)

Client Sample Results

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89516-1
 SDG: 68089516-1

Client Sample ID: CV1178B-CS

Lab Sample ID: 680-89516-19

Date Collected: 04/17/13 13:40

Matrix: Solid

Date Received: 04/19/13 08:50

Percent Solids: 74.7

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|------------------|------------------|---------------|-----|-------|---|-----------------|-----------------|----------------|
| Acenaphthene | 130 | U | 130 | 26 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 20:41 | 1 |
| Acenaphthylene | 21 | J | 53 | 6.6 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 20:41 | 1 |
| Anthracene | 46 | | 11 | 5.6 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 20:41 | 1 |
| Benzo[a]anthracene | 170 | | 11 | 5.2 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 20:41 | 1 |
| Benzo[a]pyrene | 120 | J | 14 | 6.9 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 20:41 | 1 |
| Benzo[b]fluoranthene | 240 | | 16 | 8.1 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 20:41 | 1 |
| Benzo[g,h,i]perylene | 89 | | 26 | 5.8 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 20:41 | 1 |
| Benzo[k]fluoranthene | 59 | | 11 | 4.8 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 20:41 | 1 |
| Chrysene | 240 | | 12 | 6.0 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 20:41 | 1 |
| Dibenz(a,h)anthracene | 30 | | 26 | 5.4 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 20:41 | 1 |
| Fluoranthene | 230 | | 26 | 5.3 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 20:41 | 1 |
| Fluorene | 17 | J | 26 | 5.4 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 20:41 | 1 |
| Indeno[1,2,3-cd]pyrene | 45 | | 26 | 9.4 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 20:41 | 1 |
| 1-Methylnaphthalene | 400 | | 53 | 5.8 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 20:41 | 1 |
| 2-Methylnaphthalene | 530 | | 53 | 9.4 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 20:41 | 1 |
| Naphthalene | 370 | | 53 | 5.8 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 20:41 | 1 |
| Phenanthrene | 400 | | 11 | 5.2 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 20:41 | 1 |
| Pyrene | 200 | | 26 | 4.9 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 20:41 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| <i>o</i> -Terphenyl | 58 | | 30 - 130 | | | | 04/24/13 09:50 | 04/25/13 20:41 | 1 |

Client Sample ID: CV1264A-CS

Lab Sample ID: 680-89516-20

Date Collected: 04/17/13 14:50

Matrix: Solid

Date Received: 04/19/13 08:50

Percent Solids: 78.8

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|------------------|------------------|---------------|-----|-------|---|-----------------|-----------------|----------------|
| Acenaphthene | 130 | U | 130 | 25 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 21:03 | 1 |
| Acenaphthylene | 24 | J | 50 | 6.3 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 21:03 | 1 |
| Anthracene | 46 | | 11 | 5.3 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 21:03 | 1 |
| Benzo[a]anthracene | 230 | | 10 | 4.9 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 21:03 | 1 |
| Benzo[a]pyrene | 210 | J | 13 | 6.5 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 21:03 | 1 |
| Benzo[b]fluoranthene | 420 | | 15 | 7.7 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 21:03 | 1 |
| Benzo[g,h,i]perylene | 100 | | 25 | 5.5 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 21:03 | 1 |
| Benzo[k]fluoranthene | 140 | | 10 | 4.5 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 21:03 | 1 |
| Chrysene | 300 | | 11 | 5.6 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 21:03 | 1 |
| Dibenz(a,h)anthracene | 42 | | 25 | 5.1 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 21:03 | 1 |
| Fluoranthene | 310 | | 25 | 5.0 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 21:03 | 1 |
| Fluorene | 16 | J | 25 | 5.1 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 21:03 | 1 |
| Indeno[1,2,3-cd]pyrene | 91 | | 25 | 8.9 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 21:03 | 1 |
| 1-Methylnaphthalene | 230 | | 50 | 5.5 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 21:03 | 1 |
| 2-Methylnaphthalene | 410 | | 50 | 8.9 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 21:03 | 1 |
| Naphthalene | 390 | | 50 | 5.5 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 21:03 | 1 |
| Phenanthrene | 260 | | 10 | 4.9 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 21:03 | 1 |
| Pyrene | 240 | | 25 | 4.6 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 21:03 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| <i>o</i> -Terphenyl | 50 | | 30 - 130 | | | | 04/24/13 09:50 | 04/25/13 21:03 | 1 |

Sample results have been qualified by URS in accordance with the Non-Industrial Use Property Sampling Event QAPP for the 35th Avenue Removal Site, Birmingham, Alabama, Revision 1 (OTTE, October 2012)

Data File: 1DD25015.D

Date: 25-APR-2013 18:48

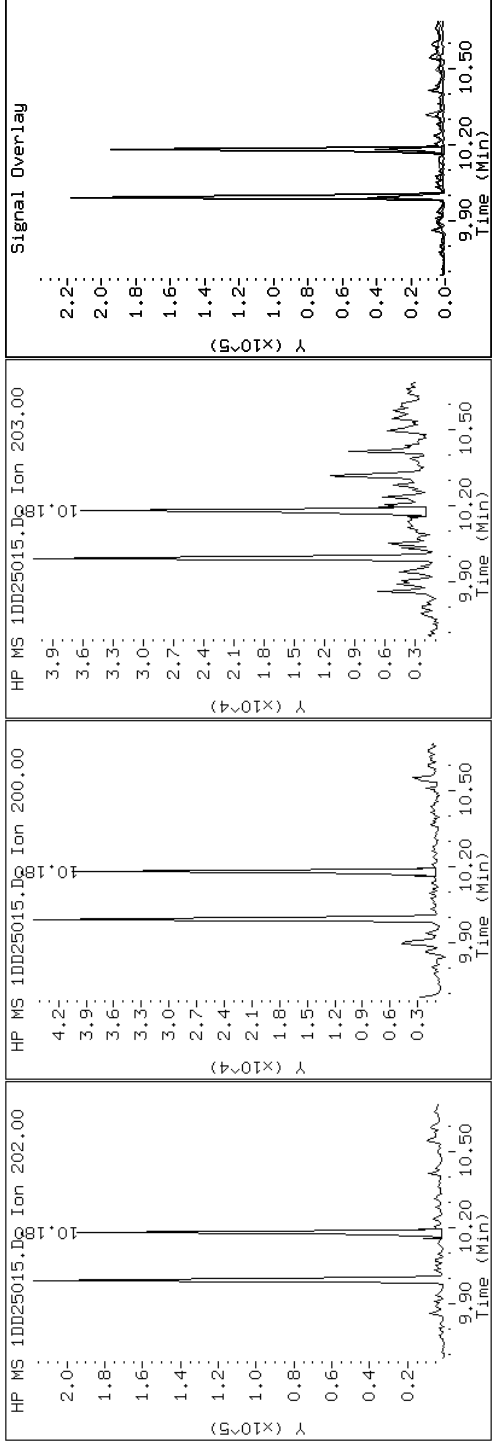
Client ID: FM0296E-CS-SP

Instrument: BSMDS.i

Sample Info: 680-89516-A-14-A

Operator: SCC

15 Pyrene

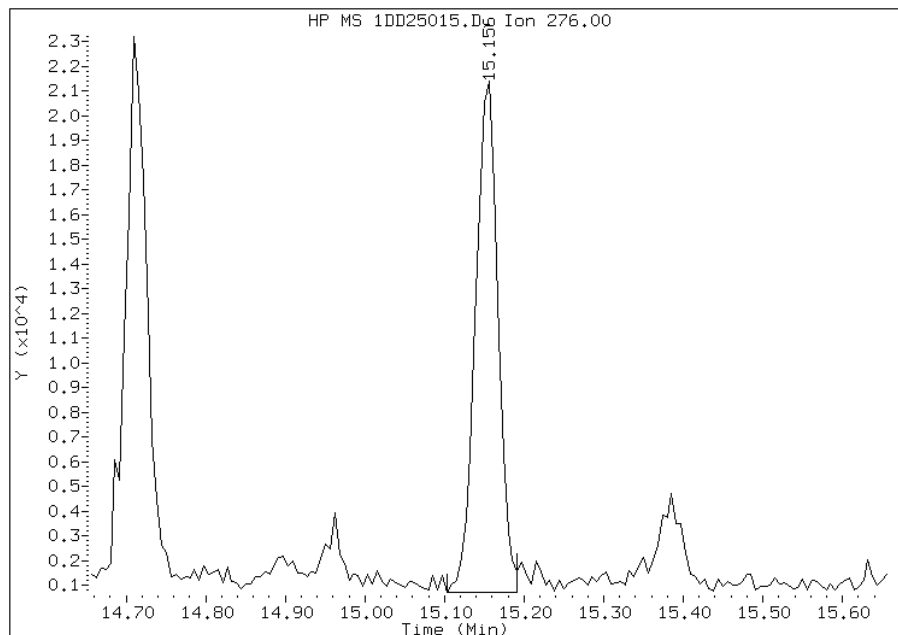


Manual Integration Report

Data File: 1DD25015.D
Inj. Date and Time: 25-APR-2013 18:48
Instrument ID: BSMSD.i
Client ID: FM0296E-CS-SP
Compound: 25 Benzo(g,h,i)perylene
CAS #: 191-24-2
Report Date: 04/26/2013

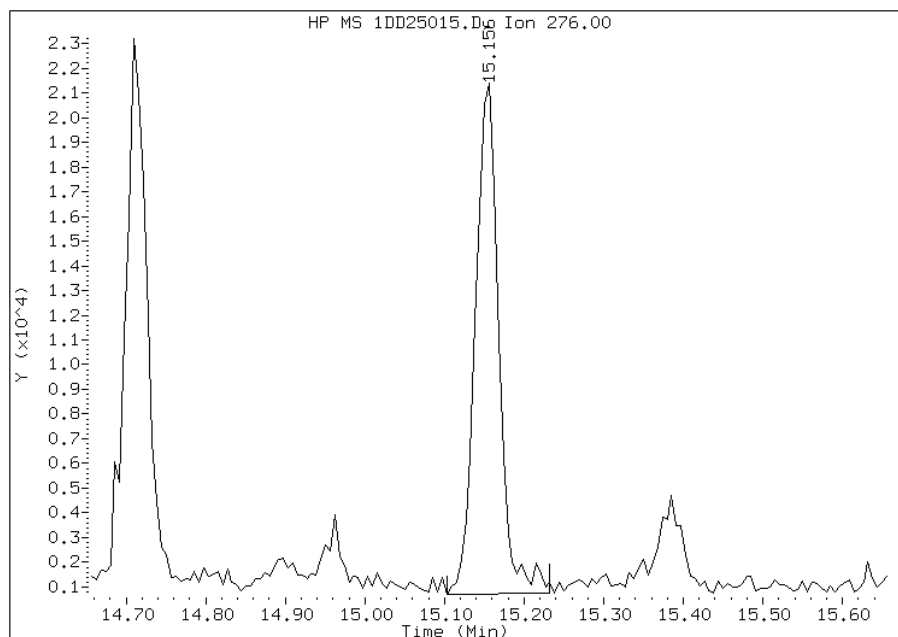
Processing Integration Results

RT: 15.16
Response: 40422
Amount: 1
Conc: 43



Manual Integration Results

RT: 15.16
Response: 42045
Amount: 1
Conc: 45



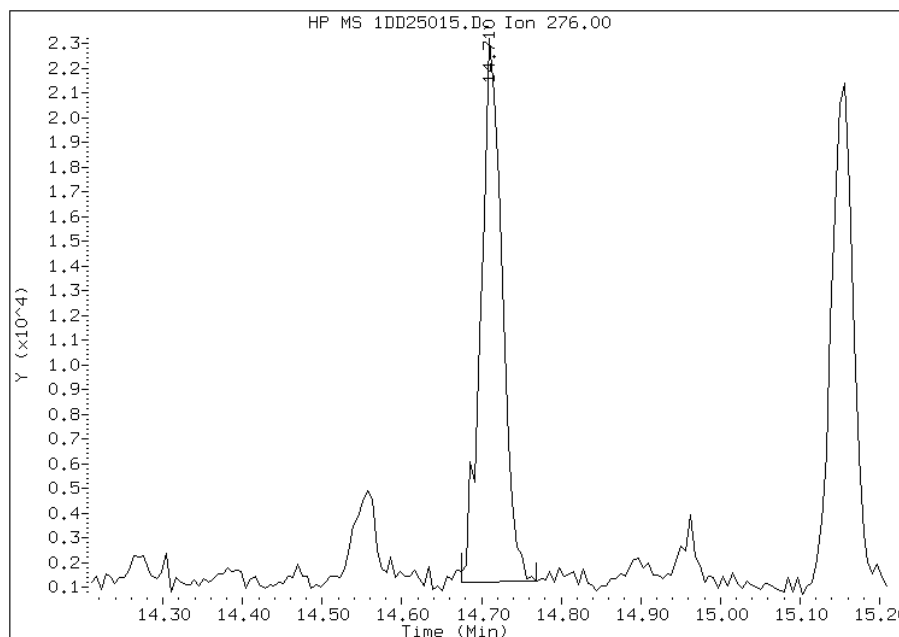
Manually Integrated By: cantins
Modification Date: 26-Apr-2013 15:56
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1DD25015.D
Inj. Date and Time: 25-APR-2013 18:48
Instrument ID: BSMSD.i
Client ID: FM0296E-CS-SP
Compound: 23 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/26/2013

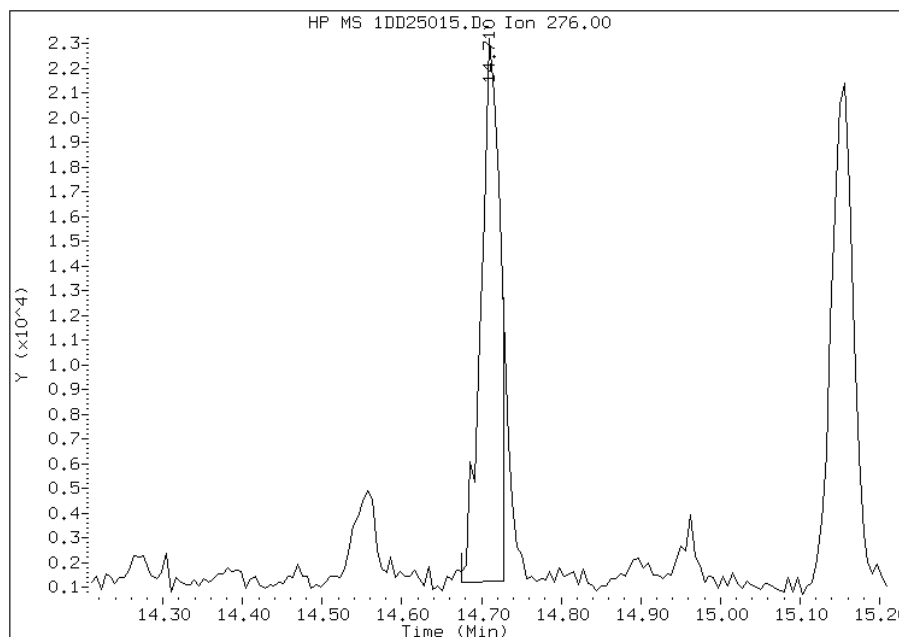
Processing Integration Results

RT: 14.71
Response: 40565
Amount: 1
Conc: 41



Manual Integration Results

RT: 14.71
Response: 36437
Amount: 0
Conc: 37



Manually Integrated By: cantins
Modification Date: 26-Apr-2013 15:56
Manual Integration Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-89516-1
 SDG No.: 68089516-1
 Client Sample ID: CV1115A-CS Lab Sample ID: 680-89516-15
 Matrix: Solid Lab File ID: 1DD25016.D
 Analysis Method: 8270C LL Date Collected: 04/17/2013 12:45
 Extract. Method: 3546 Date Extracted: 04/24/2013 09:50
 Sample wt/vol: 15.02(g) Date Analyzed: 04/25/2013 19:11
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 21.1 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 136899 Units: ug/Kg

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|----------|------------------------|--------|---|-----|-----|
| 83-32-9 | Acenaphthene | 130 | U | 130 | 25 |
| 208-96-8 | Acenaphthylene | 13 | J | 51 | 6.3 |
| 120-12-7 | Anthracene | 25 | | 11 | 5.3 |
| 56-55-3 | Benzo[a]anthracene | 96 | | 10 | 4.9 |
| 50-32-8 | Benzo[a]pyrene | 91 | | 13 | 6.6 |
| 205-99-2 | Benzo[b]fluoranthene | 160 | | 15 | 7.7 |
| 191-24-2 | Benzo[g,h,i]perylene | 58 | | 25 | 5.6 |
| 207-08-9 | Benzo[k]fluoranthene | 62 | | 10 | 4.6 |
| 218-01-9 | Chrysene | 130 | | 11 | 5.7 |
| 53-70-3 | Dibenz(a,h)anthracene | 22 | J | 25 | 5.2 |
| 206-44-0 | Fluoranthene | 170 | | 25 | 5.1 |
| 86-73-7 | Fluorene | 7.8 | J | 25 | 5.2 |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 50 | | 25 | 9.0 |
| 90-12-0 | 1-Methylnaphthalene | 39 | J | 51 | 5.6 |
| 91-57-6 | 2-Methylnaphthalene | 60 | | 51 | 9.0 |
| 91-20-3 | Naphthalene | 50 | J | 51 | 5.6 |
| 85-01-8 | Phenanthrene | 110 | | 10 | 4.9 |
| 129-00-0 | Pyrene | 130 | | 25 | 4.7 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---------|-------------|------|---|--------|
| 84-15-1 | o-Terphenyl | 63 | | 30-130 |

TestAmerica Laboratories

Semivolatiles 8270 low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMSD.i\1D042513.b\1DD25016.D
 Lab Smp Id: 680-89516-A-15-A Client Smp ID: CV1115A-CS
 Inj Date : 25-APR-2013 19:11
 Operator : SCC Inst ID: BSMSD.i
 Smp Info : 680-89516-A-15-A
 Misc Info : 680-89516-A-15-A
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMSD.i\1D042513.b\dFASTPAHi.m
 Meth Date : 25-Apr-2013 12:42 cantins Quant Type: ISTD
 Cal Date : 04-APR-2013 16:04 Cal File: 1DD04013.D
 Als bottle: 16
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

Concentration Formula:

$$\text{Amt} * \text{DF} * 1/\text{Vi} * \text{Vt}/\text{Ws} * 100/(100 - \text{M}) * \text{A} * \text{B} * \text{C} * \text{D} * \text{GPC} * \text{CpndVariable}$$

| Name | Value | Description |
|---------------|----------|---|
| DF | 1.000 | Dilution Factor |
| Vi | 1.000 | Injection Volume |
| Vt | 1.000 | Final Volume |
| Ws | 15.020 | Weight Extracted |
| M | 21.088 | % Moisture |
| A | 1000.000 | uL to mL conversion |
| B | 1000.000 | g to kg conversion |
| C | 0.00100 | ng to ug conversion |
| D | 1.000 | ug to mg conversion(value = 1 if no conv) |
| GPC | 1.000 | GPC FACTOR |
| Cpnd Variable | | Local Compound Variable |

| Compounds | QUANT | SIG | CONCENTRATIONS | | | | |
|-----------------------|-------|--------|----------------|---------|----------|---------|---------|
| | | | ON-COLUMN | FINAL | | | |
| | MASS | RT | EXP RT | REL RT | RESPONSE | (ug/l) | (ug/Kg) |
| * 1 Naphthalene-d8 | 136 | 6.051 | 6.049 | (1.000) | 2560748 | 40.0000 | |
| * 6 Acenaphthene-d10 | 164 | 7.731 | 7.729 | (1.000) | 1636877 | 40.0000 | |
| * 9 Phenanthrene-d10 | 188 | 8.994 | 8.992 | (1.000) | 2777775 | 40.0000 | |
| \$ 13 o-Terphenyl | 230 | 9.300 | 9.298 | (1.034) | 264726 | 6.32502 | 530 |
| * 17 Chrysene-d12 | 240 | 11.309 | 11.307 | (1.000) | 2899361 | 40.0000 | |
| * 22 Perylene-d12 | 264 | 13.137 | 13.129 | (1.000) | 2719039 | 40.0000 | |
| 2 Naphthalene | 128 | 6.068 | 6.072 | (1.003) | 37931 | 0.59594 | 50 |
| 3 2-Methylnaphthalene | 142 | 6.774 | 6.777 | (1.119) | 29059 | 0.70725 | 60 |
| 4 1-Methylnaphthalene | 142 | 6.868 | 6.871 | (1.135) | 17906 | 0.46149 | 39 |
| 5 Acenaphthylene | 152 | 7.602 | 7.600 | (0.983) | 10948 | 0.15803 | 13 |
| 8 Fluorene | 166 | 8.195 | 8.199 | (1.060) | 4677 | 0.09236 | 7.8 |
| 10 Phenanthrene | 178 | 9.012 | 9.010 | (1.002) | 103819 | 1.35688 | 110 |
| 11 Anthracene | 178 | 9.047 | 9.051 | (1.006) | 22770 | 0.29984 | 25 |
| 12 Carbazole | 167 | 9.194 | 9.192 | (1.022) | 15193 | 0.22681 | 19 |

| Compounds | QUANT SIG | | CONCENTRATIONS | | | | |
|---------------------------|-----------|--------|----------------|---------|----------|----------------------|------------------|
| | MASS | RT | EXP RT | REL RT | RESPONSE | ON-COLUMN (ug/l) | FINAL (ug/Kg) |
| ----- | ---- | ---- | ----- | ----- | ----- | ----- | ----- |
| 14 Fluoranthene | 202 | 9.993 | 9.997 | (1.111) | 155151 | 1.97053 | 170 |
| 15 Pyrene | 202 | 10.181 | 10.185 | (0.900) | 129579 | 1.48826 | 120 |
| 16 Benzo(a)anthracene | 228 | 11.292 | 11.284 | (0.998) | 95596 | 1.14041 | 96 |
| 18 Chrysene | 228 | 11.327 | 11.331 | (1.002) | 119780 | 1.52393 | 130 |
| 19 Benzo(b)fluoranthene | 252 | 12.584 | 12.582 | (0.958) | 130896 | 1.92714 | 160 |
| 20 Benzo(k)fluoranthene | 252 | 12.614 | 12.623 | (0.960) | 52286 | 0.73070 | 62 |
| 21 Benzo(a)pyrene | 252 | 13.031 | 13.035 | (0.992) | 73290 | 1.07391 | 91 |
| 23 Indeno(1,2,3-cd)pyrene | 276 | 14.711 | 14.715 | (1.120) | 43129 | 0.59267 | 50(M) |
| 24 Dibenzo(a,h)anthracene | 278 | 14.729 | 14.744 | (1.121) | 17965 | 0.26216 | 22(H) |
| 25 Benzo(g,h,i)perylene | 276 | 15.152 | 15.156 | (1.153) | 48321 | 0.68963 | 58 |

QC Flag Legend

- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

Data File: 1DD25016.D

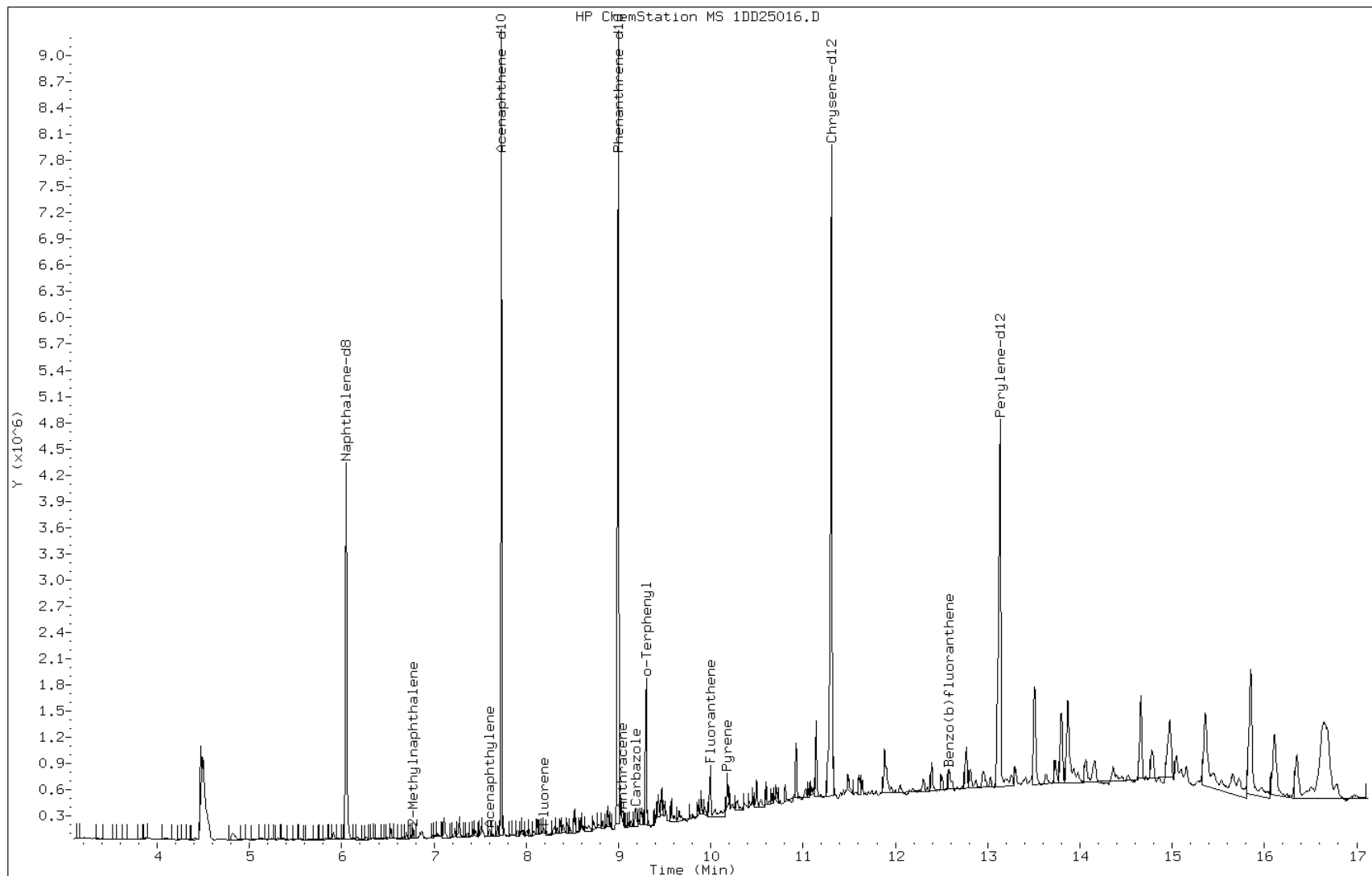
Date: 25-APR-2013 19:11

Client ID: CV1115A-CS

Instrument: BSMSD.i

Sample Info: 680-89516-A-15-A

Operator: SCC



Data File: 1DD25016.D

Date: 25-APR-2013 19:11

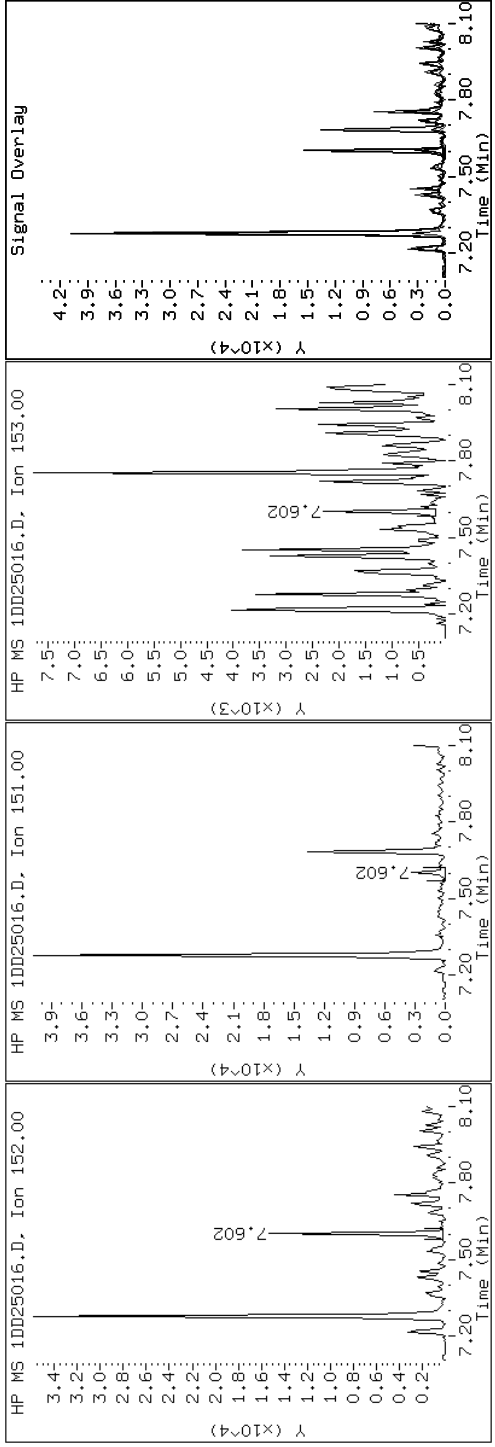
Client ID: CV1115A-CS

Instrument: BSMDS.i

Sample Info: 680-89516-A-15-A

Operator: SCC

5 Acenaphthylene



Data File: 1DD25016.D

Date: 25-APR-2013 19:11

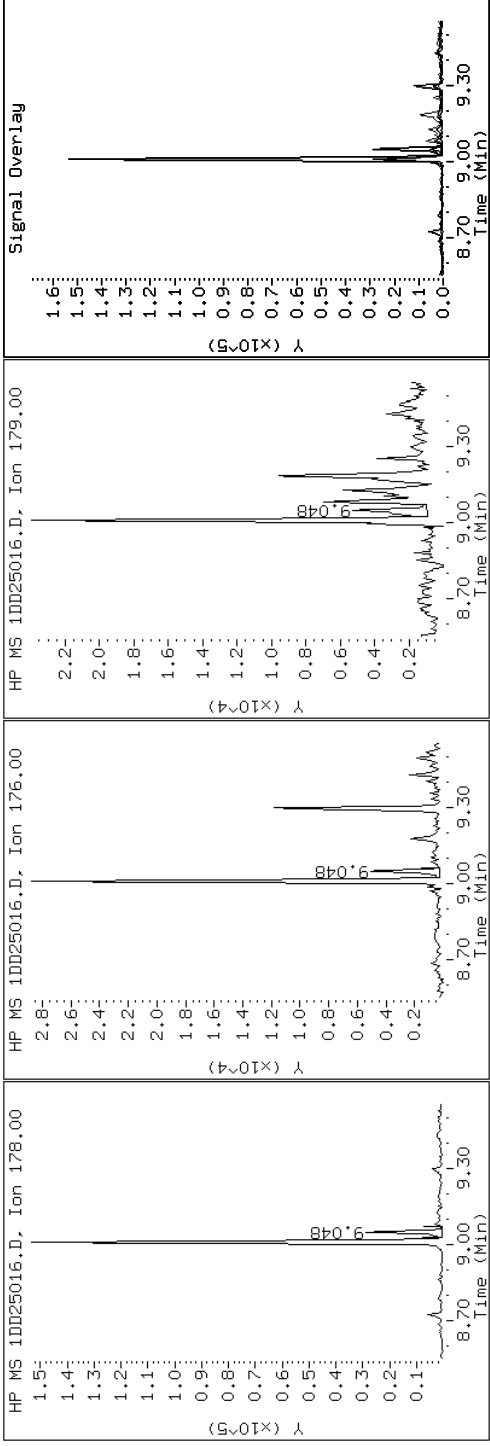
Client ID: CV1115A-CS

Instrument: BSMSD.i

Sample Info: 680-89516-A-15-A

Operator: SCC

11 Anthracene



Data File: 1DD25016.D

Date: 25-APR-2013 19:11

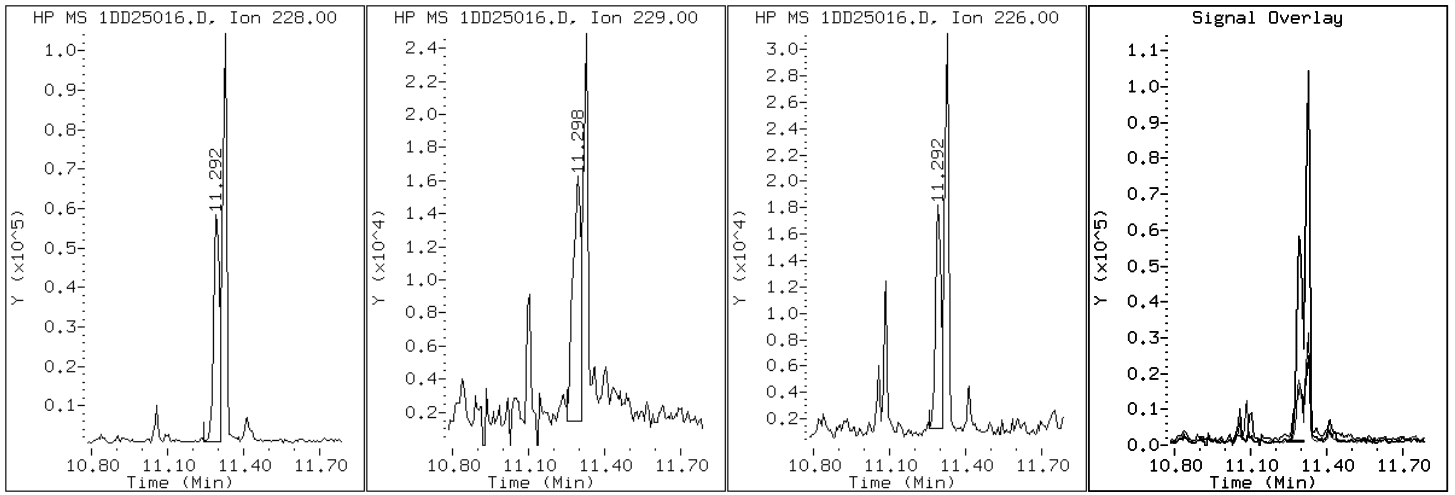
Client ID: CV1115A-CS

Instrument: BSMSD.i

Sample Info: 680-89516-A-15-A

Operator: SCC

16 Benzo(a)anthracene



Data File: 1DD25016.D

Date: 25-APR-2013 19:11

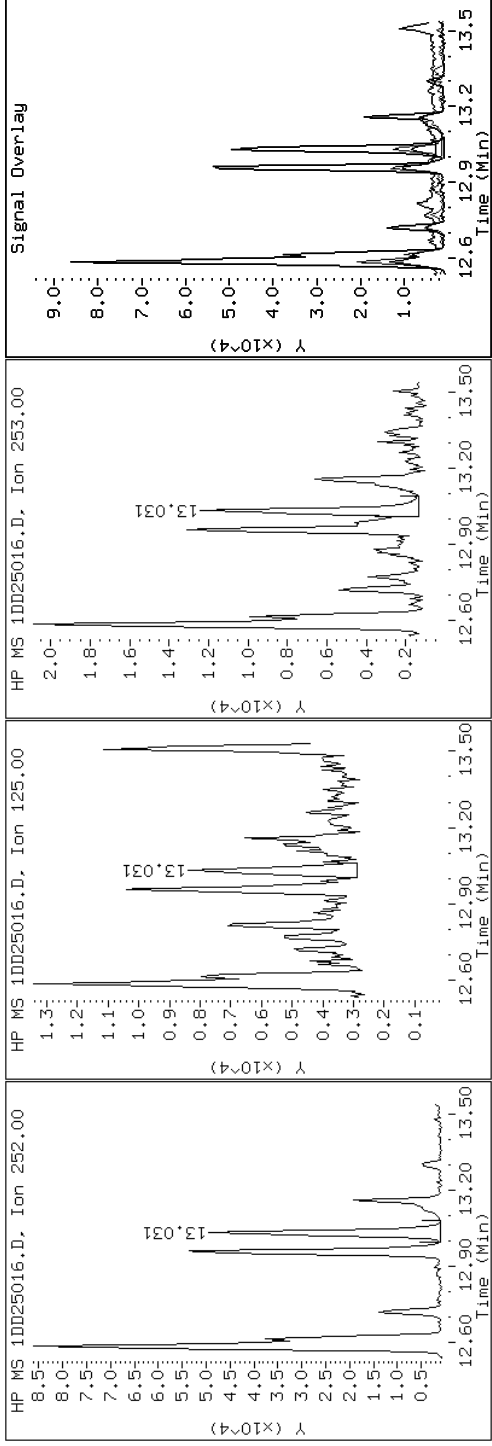
Client ID: CV1115A-CS

Instrument: BSMSD.i

Sample Info: 680-89516-A-15-A

Operator: SCC

21 Benzo(a)pyrene



Data File: 1DD25016.D

Date: 25-APR-2013 19:11

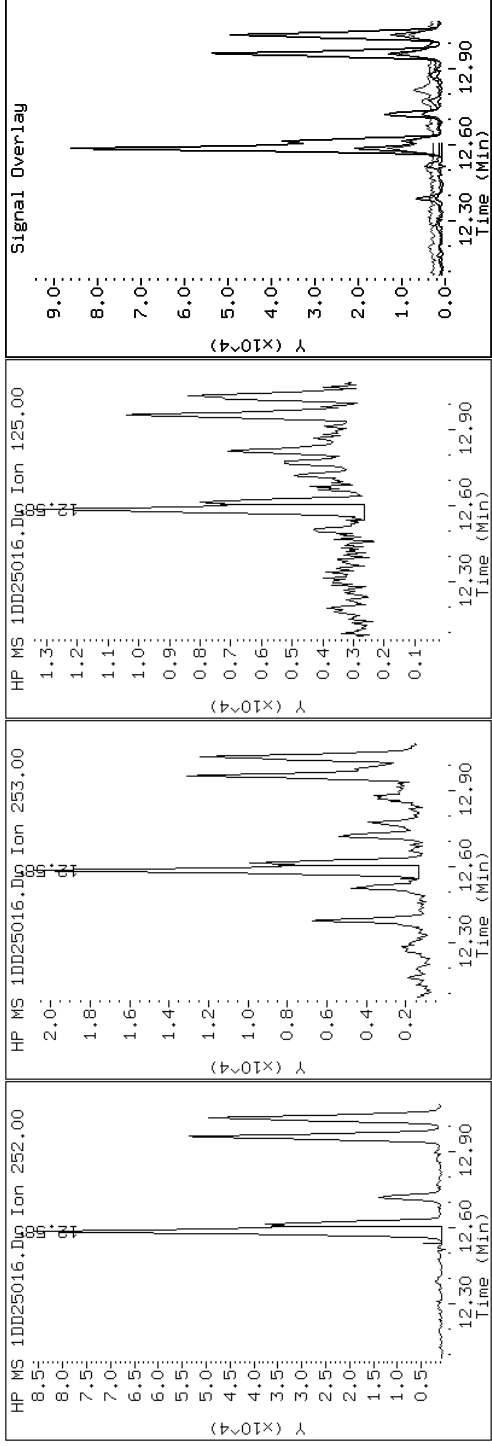
Client ID: CV1115A-CS

Instrument: BSMSD.i

Sample Info: 680-89516-A-15-A

Operator: SCC

19 Benzo(b)fluoranthene



Data File: 1DD25016.D

Date: 25-APR-2013 19:11

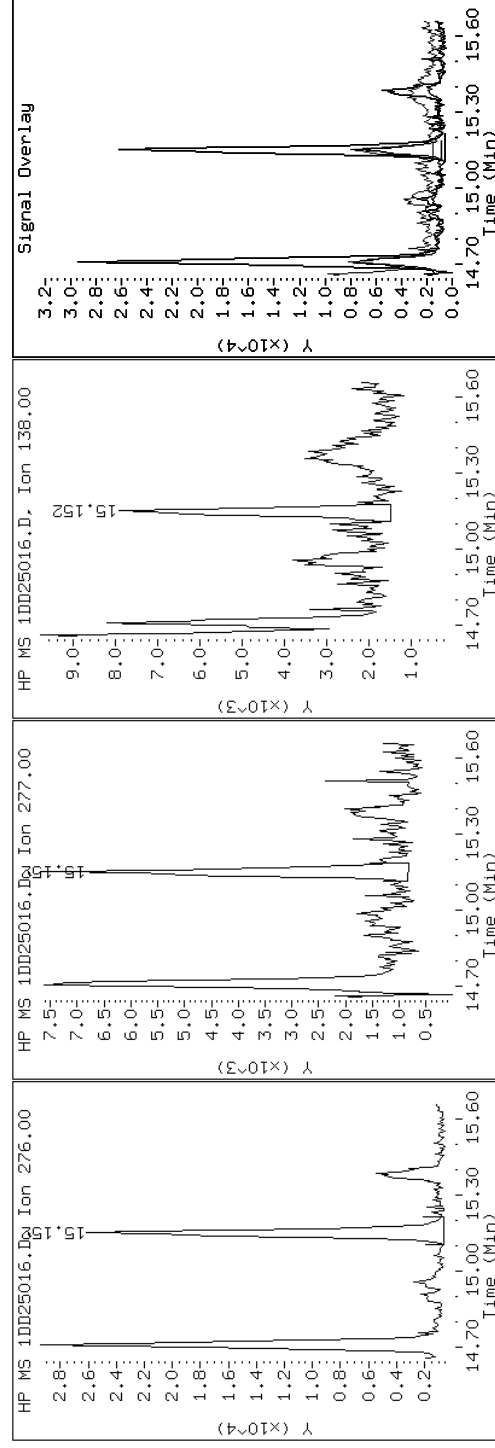
Client ID: CV1115A-CS

Instrument: BSMDS.i

Sample Info: 680-89516-A-15-A

Operator: SCC

25 Benzo(g,h,i)perylene



Data File: 1DD25016.D

Date: 25-APR-2013 19:11

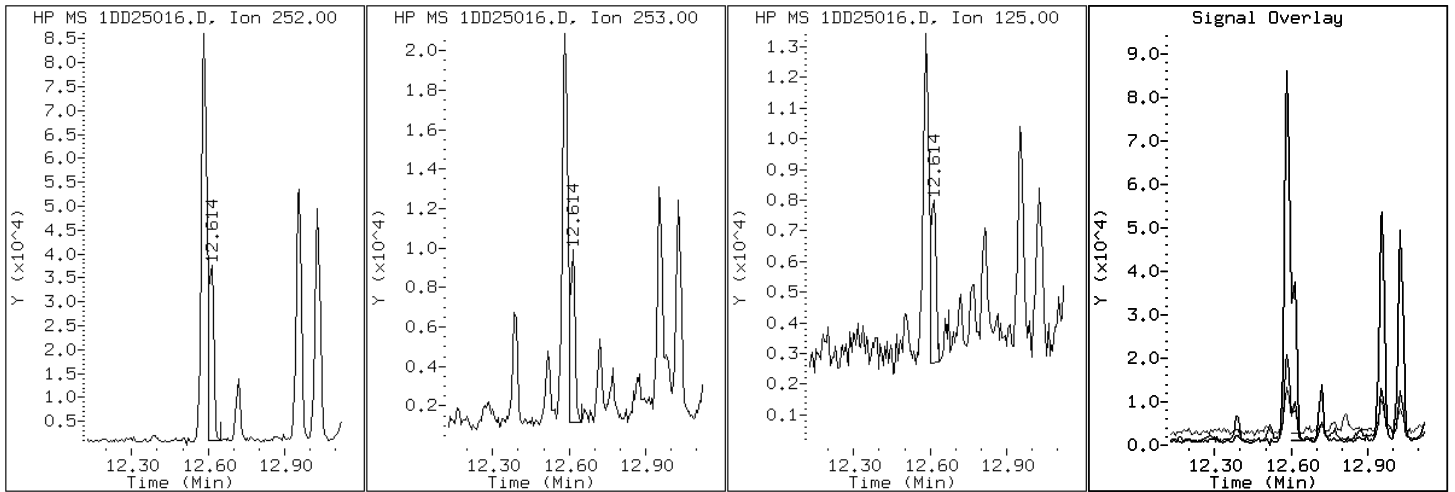
Client ID: CV1115A-CS

Instrument: BSMSD.i

Sample Info: 680-89516-A-15-A

Operator: SCC

20 Benzo(k)fluoranthene



Data File: 1DD25016.D

Date: 25-APR-2013 19:11

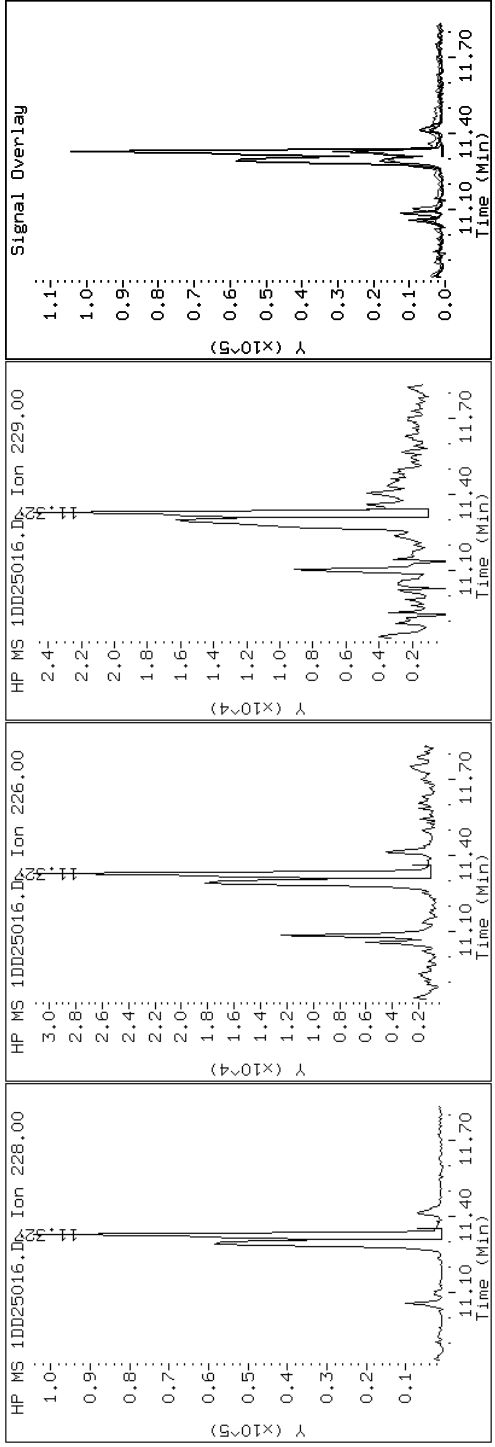
Client ID: CV1115A-CS

Instrument: BSMSD.i

Sample Info: 680-89516-A-15-A

Operator: SCC

18 Chrysene



Data File: 1DD25016.D

Date: 25-APR-2013 19:11

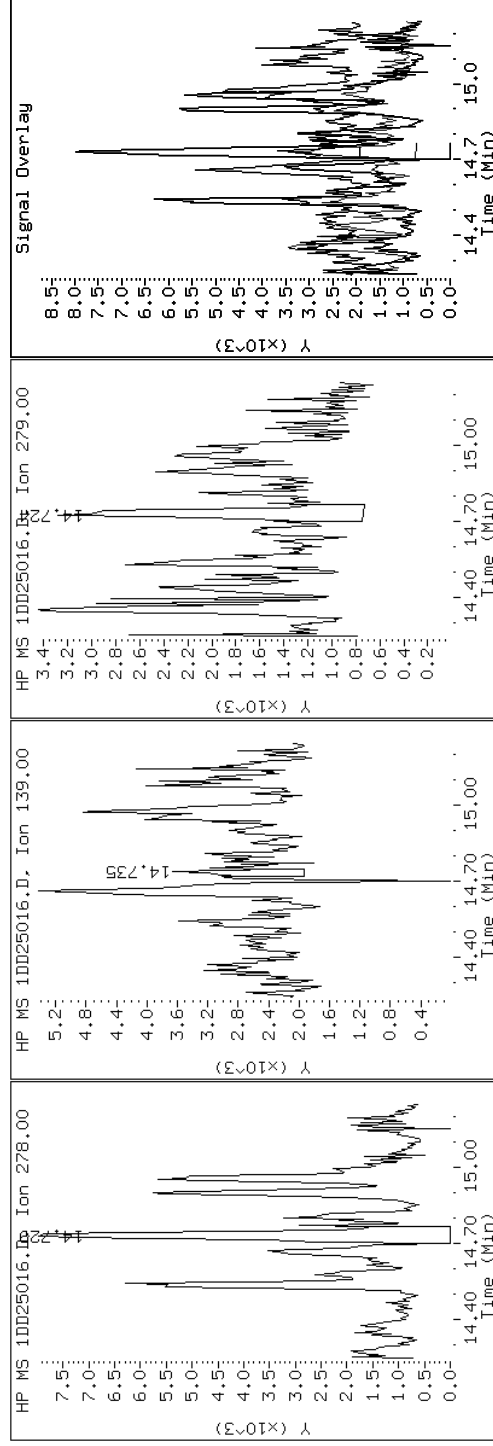
Client ID: CV1115A-CS

Instrument: BSMDS.i

Sample Info: 680-89516-A-15-A

Operator: SCC

24 Dibenzo(a,h)anthracene



Data File: 1DD25016.D

Date: 25-APR-2013 19:11

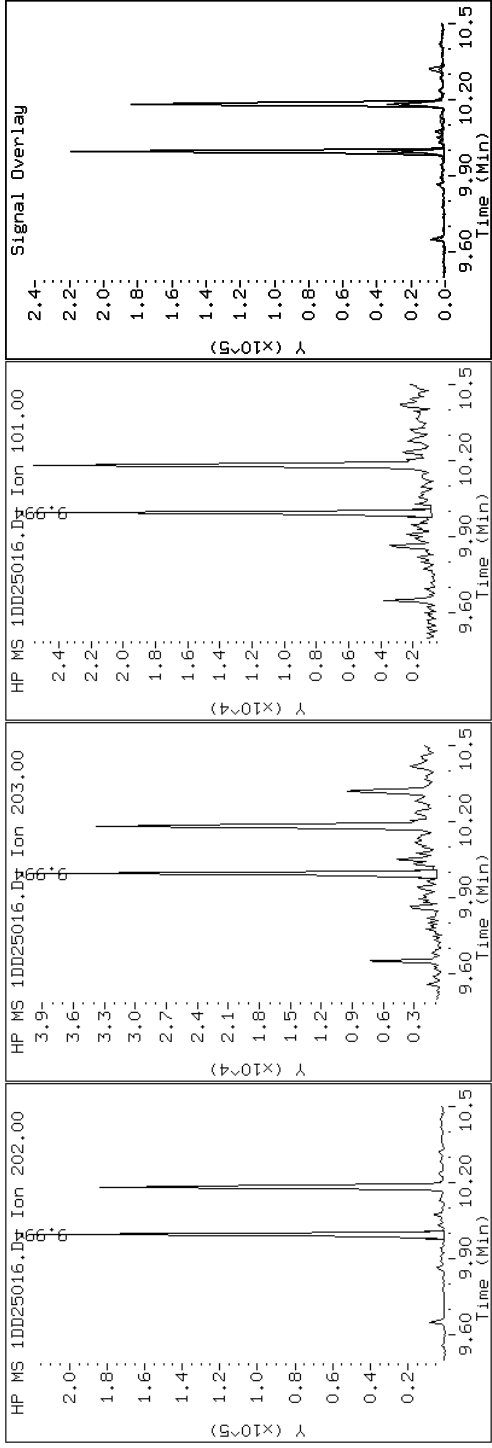
Client ID: CV1115A-CS

Instrument: BSMDS.i

Sample Info: 680-89516-A-15-A

Operator: SCC

14 Fluoranthene



Data File: 1DD25016.D

Date: 25-APR-2013 19:11

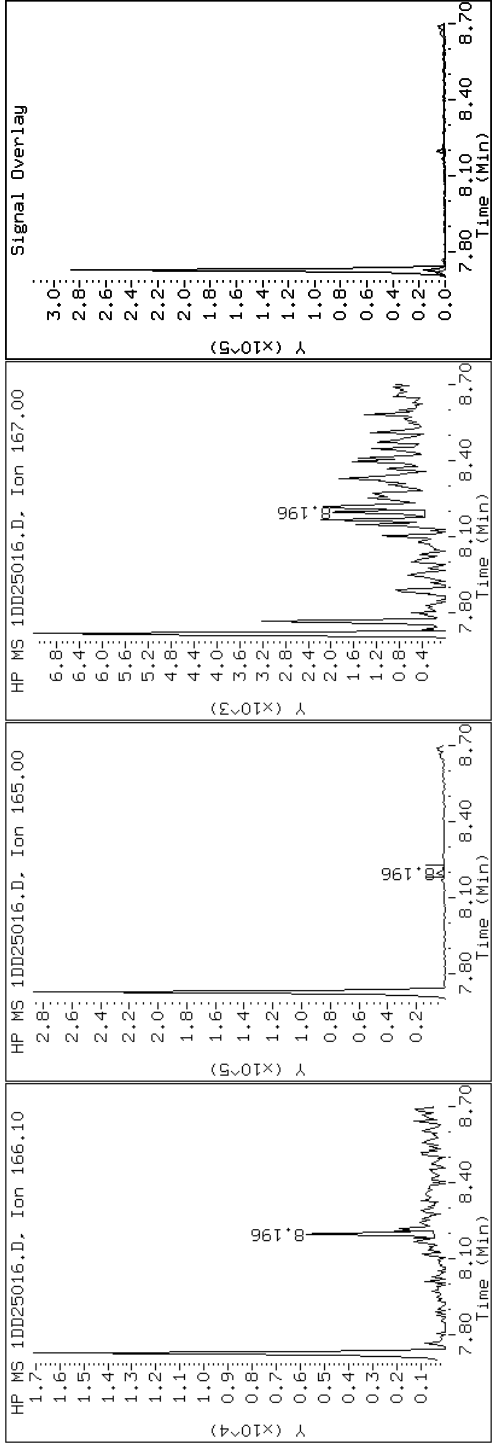
Client ID: CV1115A-CS

Instrument: BSMSD.i

Sample Info: 680-89516-A-15-A

Operator: SCC

8 Fluorene



Data File: 1DD25016.D

Date: 25-APR-2013 19:11

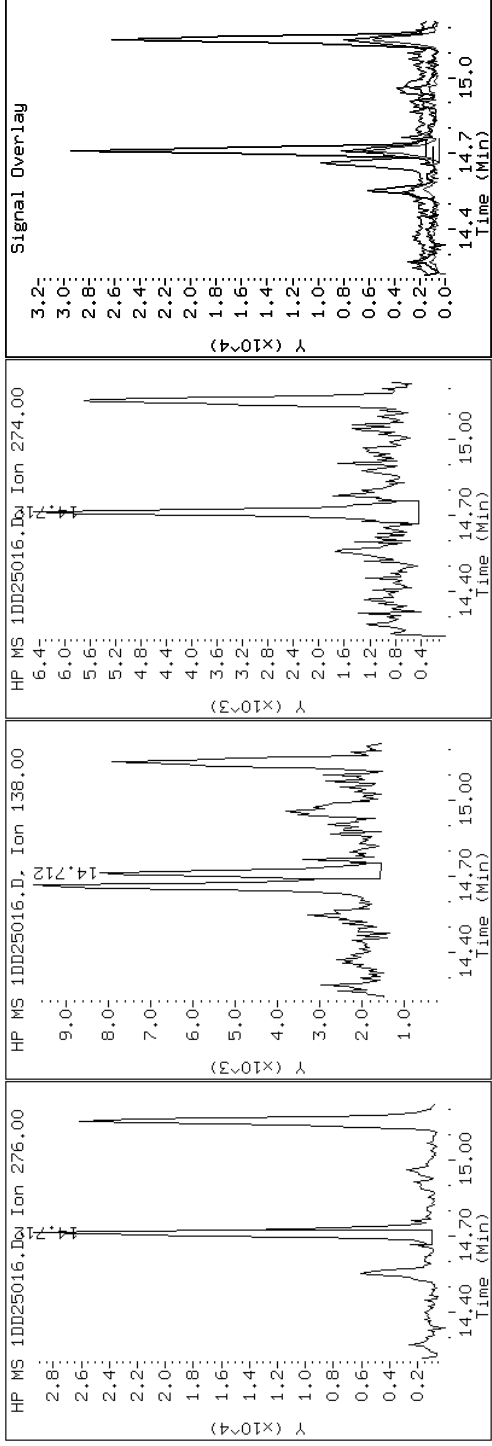
Client ID: CV1115A-CS

Instrument: BSMSD.i

Sample Info: 680-89516-A-15-A

Operator: SCC

23 Indeno(1,2,3-cd)pyrene



Data File: 1DD25016.D

Date: 25-APR-2013 19:11

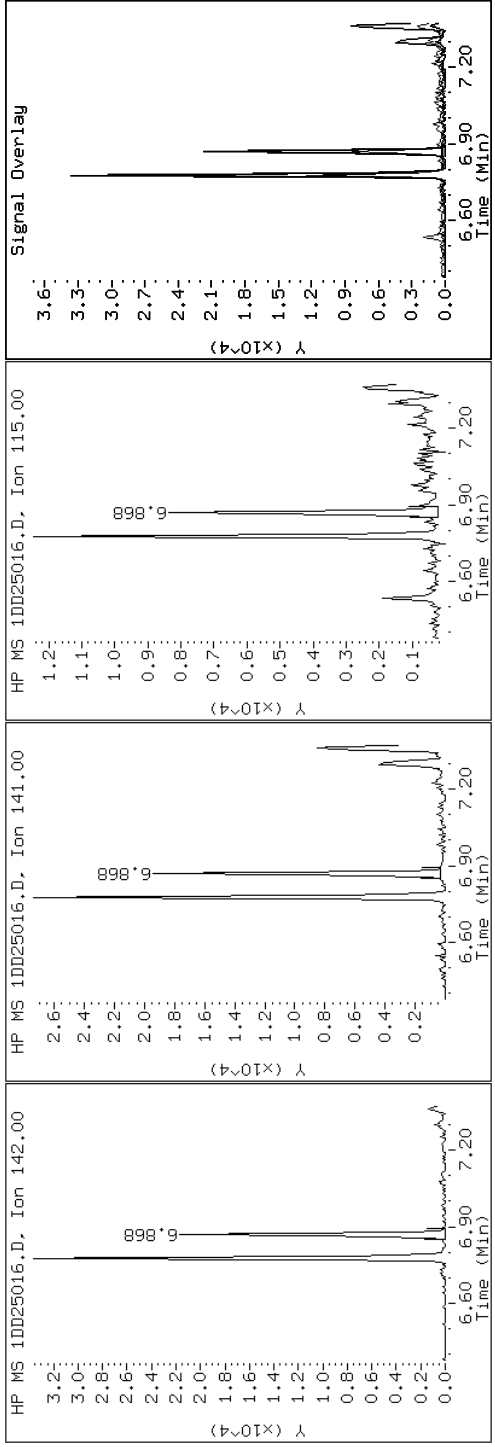
Client ID: CV1115A-CS

Instrument: BSMSD.i

Sample Info: 680-89516-A-15-A

Operator: SCC

4 1-Methylnaphthalene



Data File: 1DD25016.D

Date: 25-APR-2013 19:11

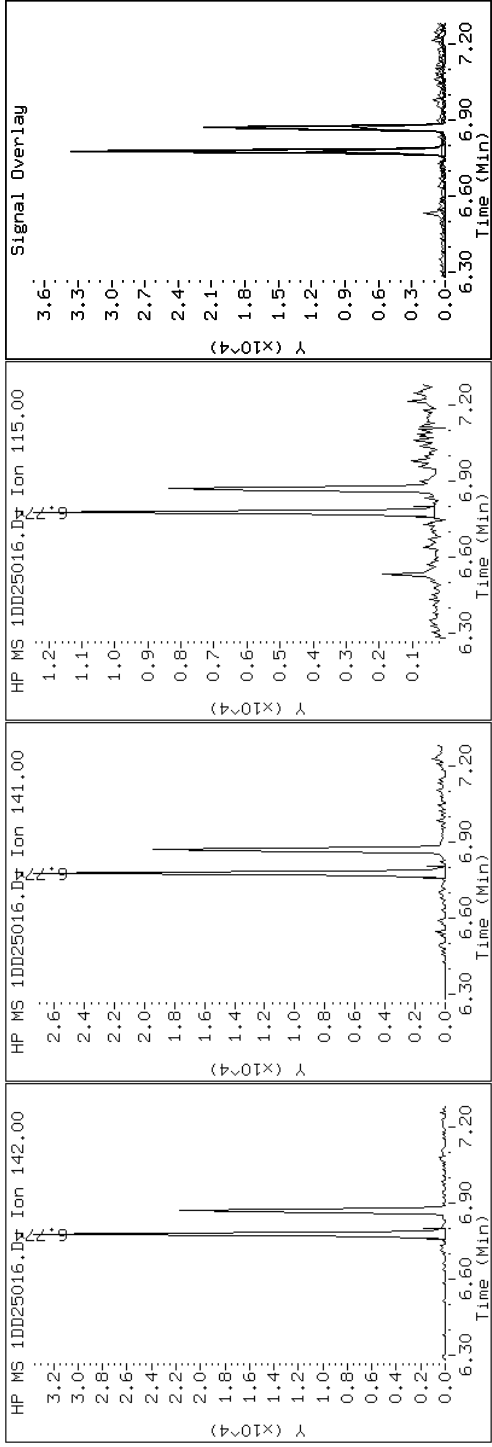
Client ID: CV1115A-CS

Instrument: BSMDS.i

Sample Info: 680-89516-A-15-A

Operator: SCC

3 2-Methylnaphthalene



Data File: 1DD25016.D

Date: 25-APR-2013 19:11

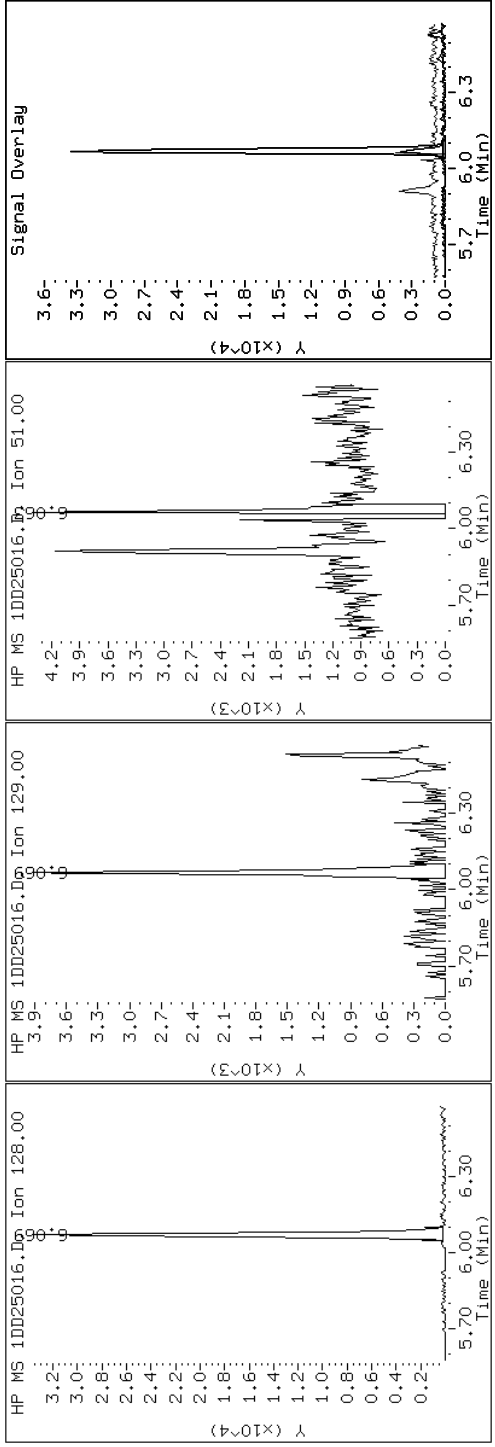
Client ID: CV1115A-CS

Instrument: BSMDS.i

Sample Info: 680-89516-A-15-A

Operator: SCC

2 Naphthalene



Data File: 1DD25016.D

Date: 25-APR-2013 19:11

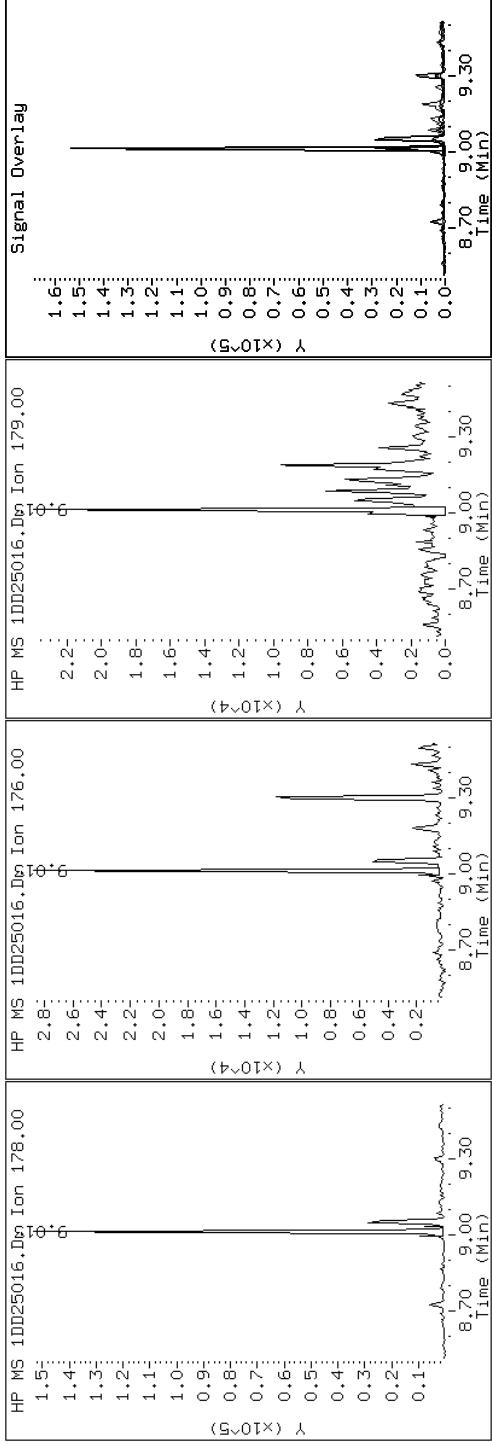
Client ID: CV1115A-CS

Instrument: BSMSD.i

Sample Info: 680-89516-A-15-A

Operator: SCC

10 Phenanthrene



Data File: 1DD25016.D

Date: 25-APR-2013 19:11

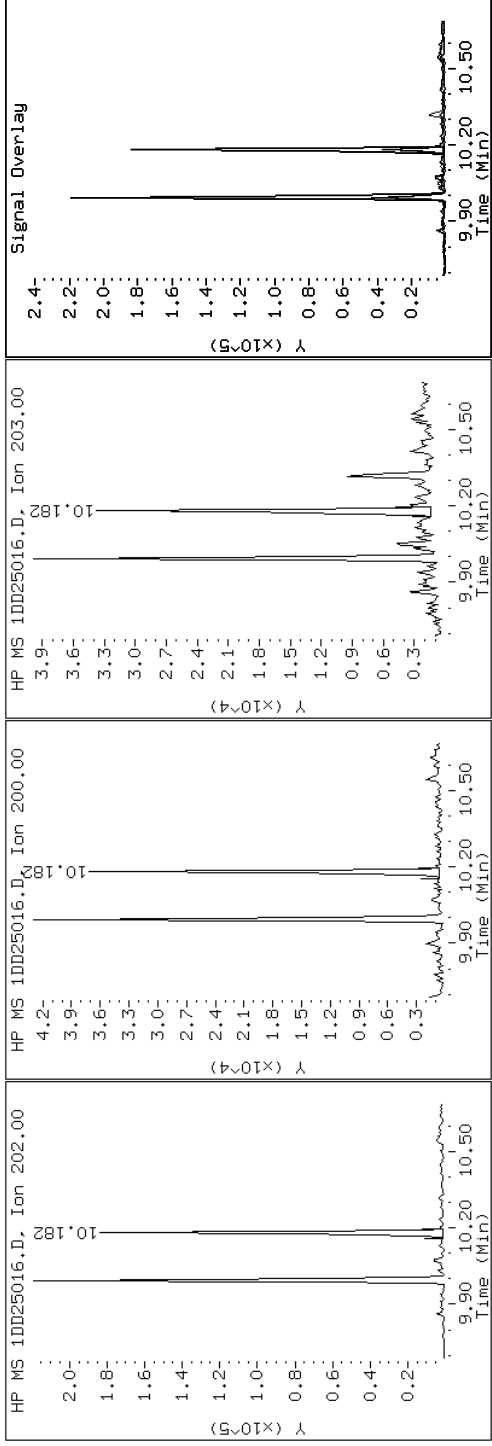
Client ID: CV1115A-CS

Instrument: BSMDS.i

Sample Info: 680-89516-A-15-A

Operator: SCC

15 Pyrene

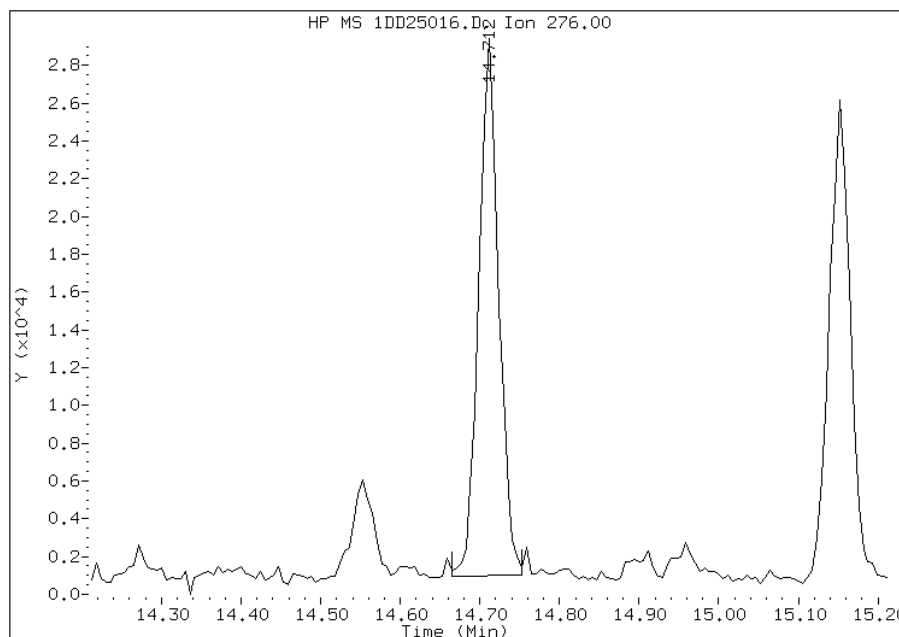


Manual Integration Report

Data File: 1DD25016.D
Inj. Date and Time: 25-APR-2013 19:11
Instrument ID: BSMSD.i
Client ID: CV1115A-CS
Compound: 23 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/26/2013

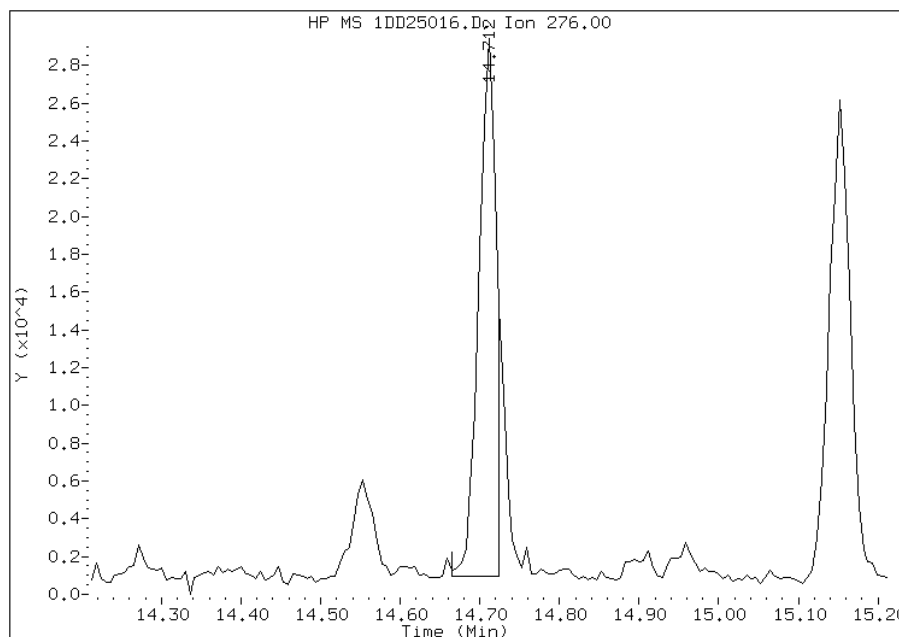
Processing Integration Results

RT: 14.71
Response: 49235
Amount: 1
Conc: 57



Manual Integration Results

RT: 14.71
Response: 43129
Amount: 1
Conc: 50



Manually Integrated By: cantins
Modification Date: 26-Apr-2013 15:59
Manual Integration Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-89516-1
 SDG No.: 68089516-1
 Client Sample ID: CV1115A-CSD Lab Sample ID: 680-89516-16
 Matrix: Solid Lab File ID: 1DD25017.D
 Analysis Method: 8270C LL Date Collected: 04/17/2013 12:45
 Extract. Method: 3546 Date Extracted: 04/24/2013 09:50
 Sample wt/vol: 14.97(g) Date Analyzed: 04/25/2013 19:33
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 20.4 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 136899 Units: ug/Kg

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|----------|------------------------|--------|---|-----|-----|
| 83-32-9 | Acenaphthene | 130 | U | 130 | 25 |
| 208-96-8 | Acenaphthylene | 12 | J | 50 | 6.3 |
| 120-12-7 | Anthracene | 19 | | 11 | 5.3 |
| 56-55-3 | Benzo[a]anthracene | 98 | | 10 | 4.9 |
| 50-32-8 | Benzo[a]pyrene | 94 | | 13 | 6.5 |
| 205-99-2 | Benzo[b]fluoranthene | 190 | | 15 | 7.7 |
| 191-24-2 | Benzo[g,h,i]perylene | 56 | | 25 | 5.5 |
| 207-08-9 | Benzo[k]fluoranthene | 57 | | 10 | 4.5 |
| 218-01-9 | Chrysene | 130 | | 11 | 5.7 |
| 53-70-3 | Dibenz(a,h)anthracene | 20 | J | 25 | 5.2 |
| 206-44-0 | Fluoranthene | 150 | | 25 | 5.0 |
| 86-73-7 | Fluorene | 5.6 | J | 25 | 5.2 |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 46 | | 25 | 8.9 |
| 90-12-0 | 1-Methylnaphthalene | 47 | J | 50 | 5.5 |
| 91-57-6 | 2-Methylnaphthalene | 64 | | 50 | 8.9 |
| 91-20-3 | Naphthalene | 53 | | 50 | 5.5 |
| 85-01-8 | Phenanthrene | 100 | | 10 | 4.9 |
| 129-00-0 | Pyrene | 110 | | 25 | 4.7 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---------|-------------|------|---|--------|
| 84-15-1 | o-Terphenyl | 62 | | 30-130 |

TestAmerica Laboratories

Semivolatiles 8270 low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMSD.i\1D042513.b\1DD25017.D
 Lab Smp Id: 680-89516-A-16-A Client Smp ID: CV1115A-CSD
 Inj Date : 25-APR-2013 19:33
 Operator : SCC Inst ID: BSMSD.i
 Smp Info : 680-89516-A-16-A
 Misc Info : 680-89516-A-16-A
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMSD.i\1D042513.b\dFASTPAHi.m
 Meth Date : 25-Apr-2013 12:42 cantins Quant Type: ISTD
 Cal Date : 04-APR-2013 16:04 Cal File: 1DD04013.D
 Als bottle: 17
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

Concentration Formula:

$$\text{Amt} * \text{DF} * 1/\text{Vi} * \text{Vt}/\text{Ws} * 100/(100 - \text{M}) * \text{A} * \text{B} * \text{C} * \text{D} * \text{GPC} * \text{CpndVariable}$$

| Name | Value | Description |
|---------------|----------|---|
| DF | 1.000 | Dilution Factor |
| Vi | 1.000 | Injection Volume |
| Vt | 1.000 | Final Volume |
| Ws | 14.970 | Weight Extracted |
| M | 20.404 | % Moisture |
| A | 1000.000 | uL to mL conversion |
| B | 1000.000 | g to kg conversion |
| C | 0.00100 | ng to ug conversion |
| D | 1.000 | ug to mg conversion(value = 1 if no conv) |
| GPC | 1.000 | GPC FACTOR |
| Cpnd Variable | | Local Compound Variable |

| Compounds | QUANT | SIG | CONCENTRATIONS | | | | |
|-----------------------|-------|--------|----------------|---------|----------|---------|---------|
| | | | ON-COLUMN | FINAL | | | |
| | MASS | RT | EXP RT | REL RT | RESPONSE | (ug/l) | (ug/Kg) |
| * 1 Naphthalene-d8 | 136 | 6.051 | 6.049 | (1.000) | 2528712 | 40.0000 | |
| * 6 Acenaphthene-d10 | 164 | 7.731 | 7.729 | (1.000) | 1628300 | 40.0000 | |
| * 9 Phenanthrene-d10 | 188 | 8.995 | 8.992 | (1.000) | 2765394 | 40.0000 | |
| \$ 13 o-Terphenyl | 230 | 9.300 | 9.298 | (1.034) | 259996 | 6.23982 | 520 |
| * 17 Chrysene-d12 | 240 | 11.309 | 11.307 | (1.000) | 2989519 | 40.0000 | |
| * 22 Perylene-d12 | 264 | 13.143 | 13.129 | (1.000) | 2658833 | 40.0000 | |
| 2 Naphthalene | 128 | 6.069 | 6.072 | (1.003) | 39990 | 0.63625 | 53 |
| 3 2-Methylnaphthalene | 142 | 6.774 | 6.777 | (1.119) | 30970 | 0.76331 | 64 |
| 4 1-Methylnaphthalene | 142 | 6.868 | 6.871 | (1.135) | 21390 | 0.55826 | 47 |
| 5 Acenaphthylene | 152 | 7.602 | 7.600 | (0.983) | 10205 | 0.14808 | 12 |
| 8 Fluorene | 166 | 8.195 | 8.199 | (1.060) | 3339 | 0.06628 | 5.6 |
| 10 Phenanthrene | 178 | 9.012 | 9.010 | (1.002) | 90364 | 1.18632 | 100 |
| 11 Anthracene | 178 | 9.047 | 9.051 | (1.006) | 17196 | 0.22745 | 19 |
| 12 Carbazole | 167 | 9.194 | 9.192 | (1.022) | 10779 | 0.16164 | 14 |

| Compounds | QUANT SIG | | CONCENTRATIONS | | | | |
|---------------------------|-----------|--------|----------------|---------|----------|----------------------|------------------|
| | MASS | RT | EXP RT | REL RT | RESPONSE | ON-COLUMN (ug/l) | FINAL (ug/Kg) |
| ----- | ---- | ---- | ----- | ----- | ----- | ----- | ----- |
| 14 Fluoranthene | 202 | 9.993 | 9.997 | (1.111) | 140651 | 1.79437 | 150 |
| 15 Pyrene | 202 | 10.181 | 10.185 | (0.900) | 118187 | 1.31648 | 110 |
| 16 Benzo(a)anthracene | 228 | 11.298 | 11.284 | (0.999) | 100804 | 1.16627 | 98 |
| 18 Chrysene | 228 | 11.327 | 11.331 | (1.002) | 130095 | 1.60525 | 130 |
| 19 Benzo(b)fluoranthene | 252 | 12.584 | 12.582 | (0.958) | 147242 | 2.21689 | 190 |
| 20 Benzo(k)fluoranthene | 252 | 12.620 | 12.623 | (0.960) | 47734 | 0.68219 | 57 |
| 21 Benzo(a)pyrene | 252 | 13.031 | 13.035 | (0.992) | 74596 | 1.11780 | 94 |
| 23 Indeno(1,2,3-cd)pyrene | 276 | 14.717 | 14.715 | (1.120) | 38901 | 0.54668 | 46(M) |
| 24 Dibenzo(a,h)anthracene | 278 | 14.735 | 14.744 | (1.121) | 15697 | 0.23425 | 20 |
| 25 Benzo(g,h,i)perylene | 276 | 15.158 | 15.156 | (1.153) | 45439 | 0.66318 | 56 |

QC Flag Legend

M - Compound response manually integrated.

Data File: 1DD25017.D

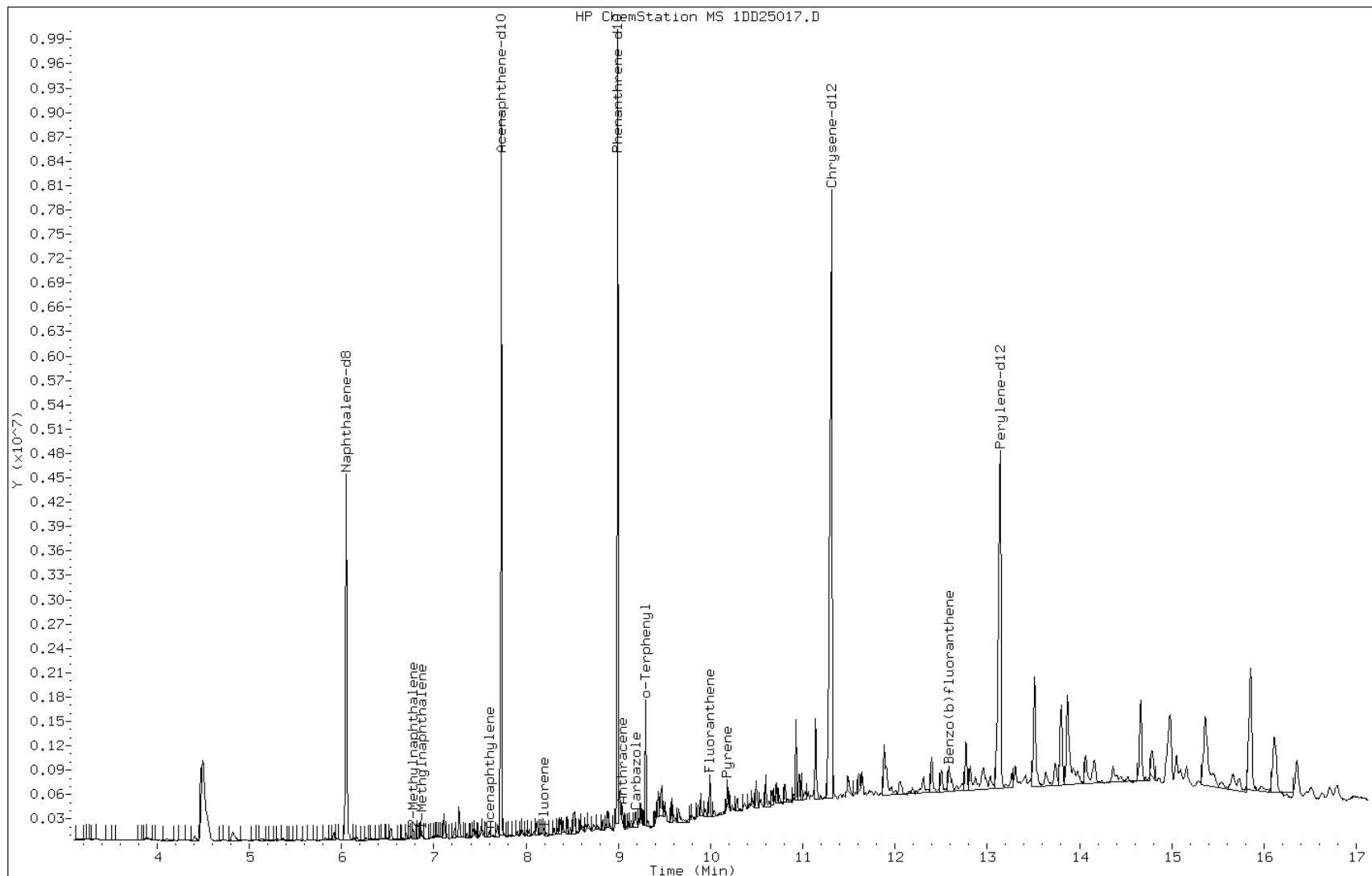
Date: 25-APR-2013 19:33

Client ID: CV1115A-CSD

Instrument: BSMSD.i

Sample Info: 680-89516-A-16-A

Operator: SCC



Data File: 1DD25017.D

Date: 25-APR-2013 19:33

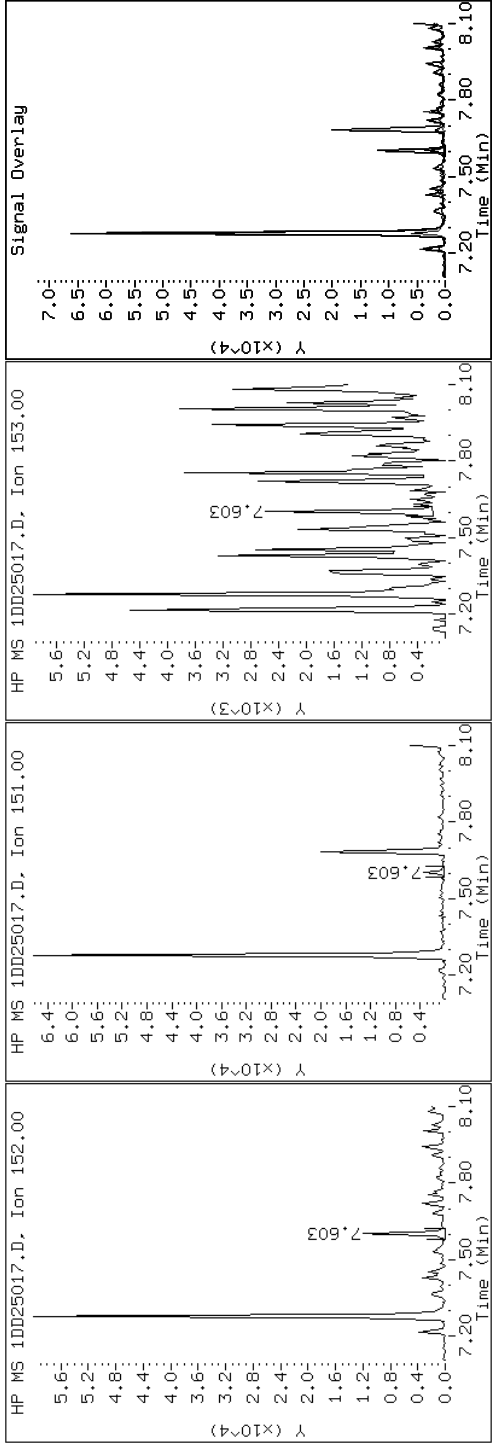
Client ID: CV1115A-CSD

Instrument: BSMDS.i

Sample Info: 680-89516-A-16-A

Operator: SCC

5 Acenaphthylene



Data File: 1DD25017.D

Date: 25-APR-2013 19:33

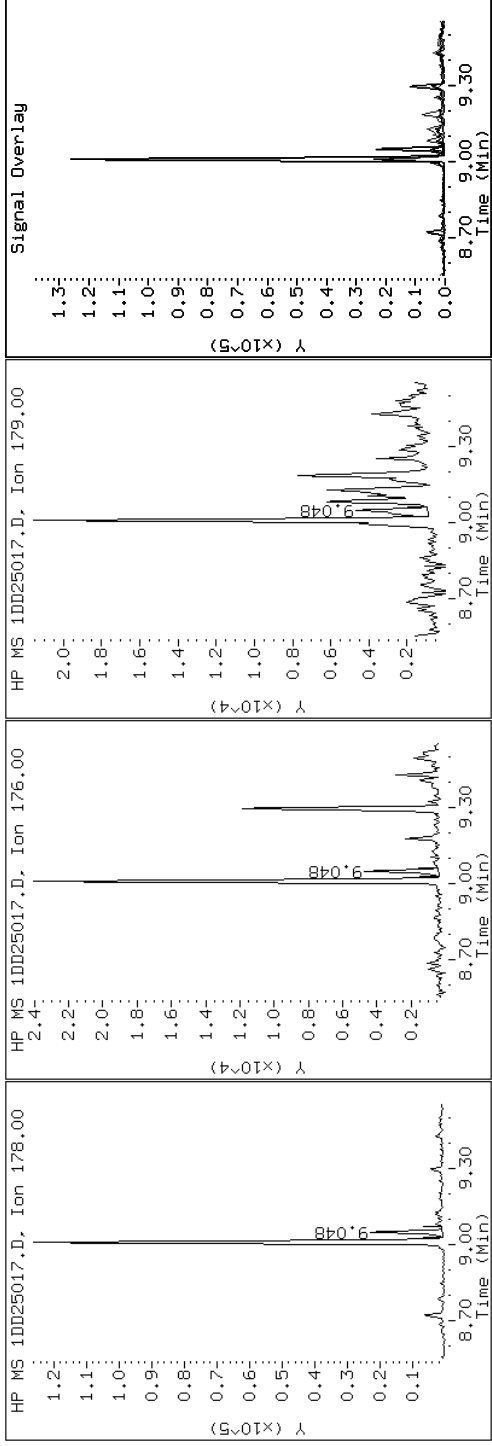
Client ID: CV1115A-CSD

Instrument: BSMSD.i

Sample Info: 680-89516-A-16-A

Operator: SCC

11 Anthracene



Data File: 1DD25017.D

Date: 25-APR-2013 19:33

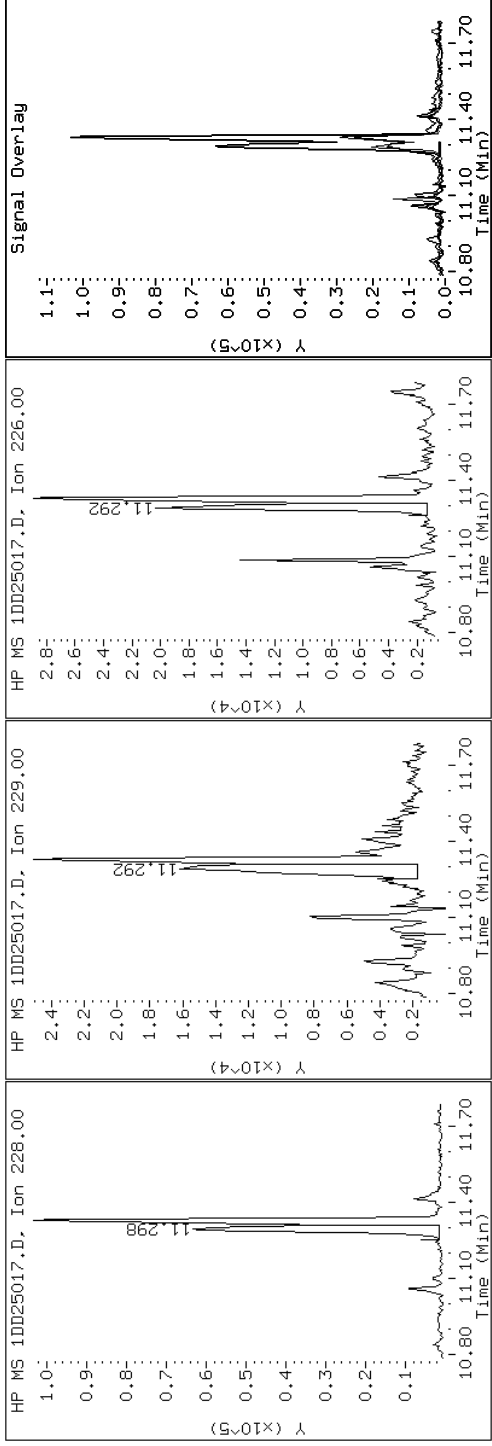
Client ID: CV1115A-CSD

Instrument: BSMDS.i

Sample Info: 680-89516-A-16-A

Operator: SCC

16 Benzo(a)anthracene



Data File: 1DD25017.D

Date: 25-APR-2013 19:33

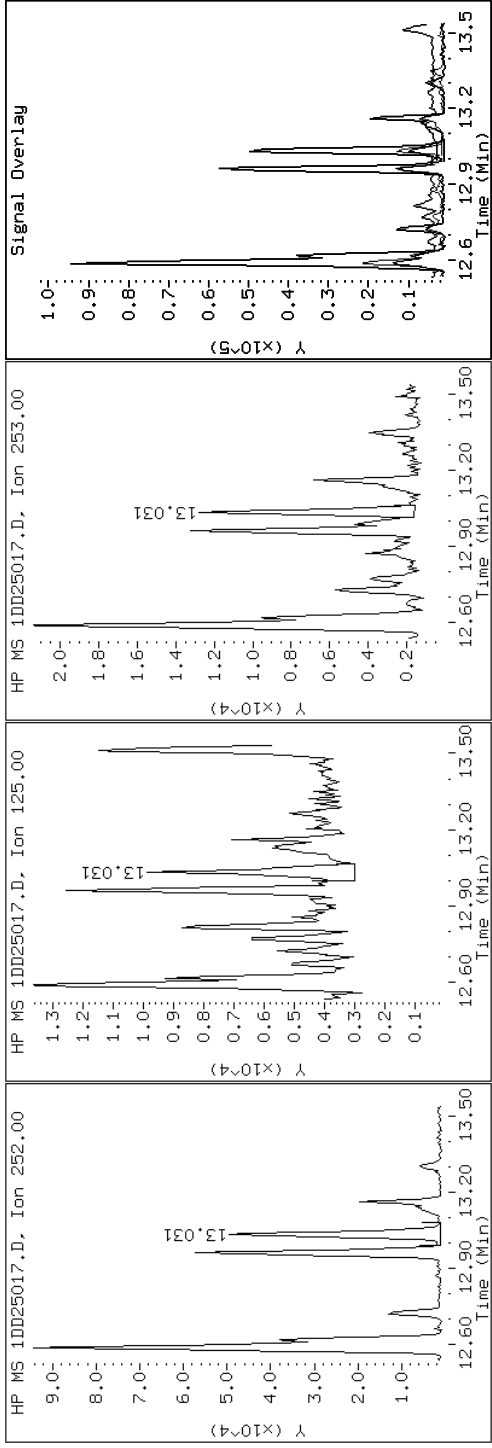
Client ID: CV1115A-CSD

Instrument: BSMDS.i

Sample Info: 680-89516-A-16-A

Operator: SCC

21 Benzo(a)pyrene



Data File: 1DD25017.D

Date: 25-APR-2013 19:33

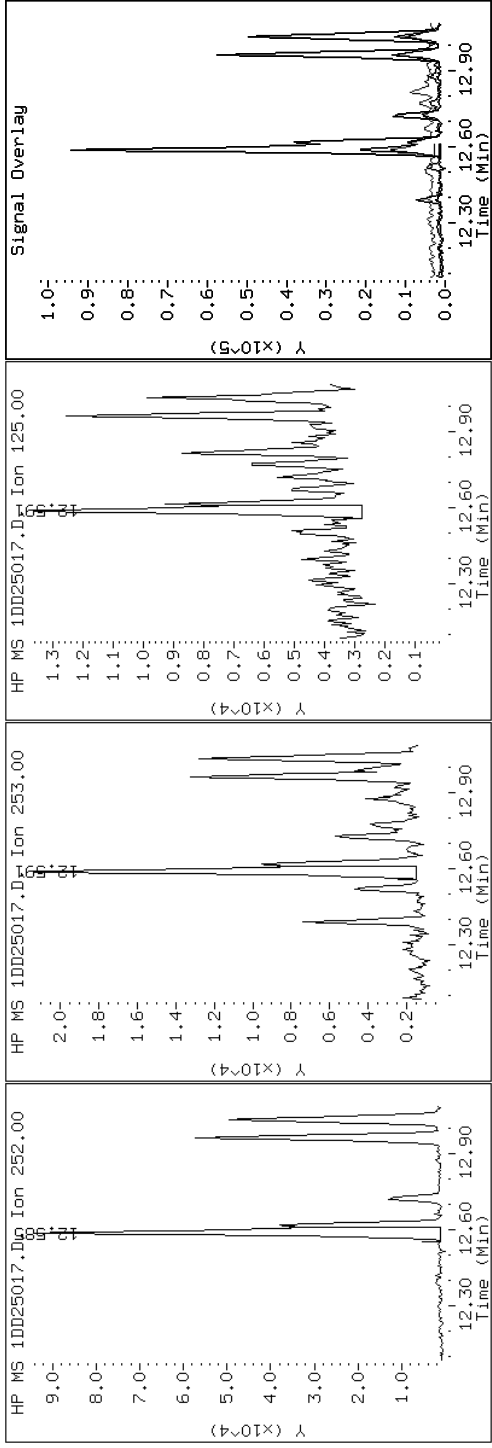
Client ID: CV1115A-CSD

Instrument: BSMSD.i

Sample Info: 680-89516-A-16-A

Operator: SCC

19 Benzo(b)fluoranthene



Data File: 1DD25017.D

Date: 25-APR-2013 19:33

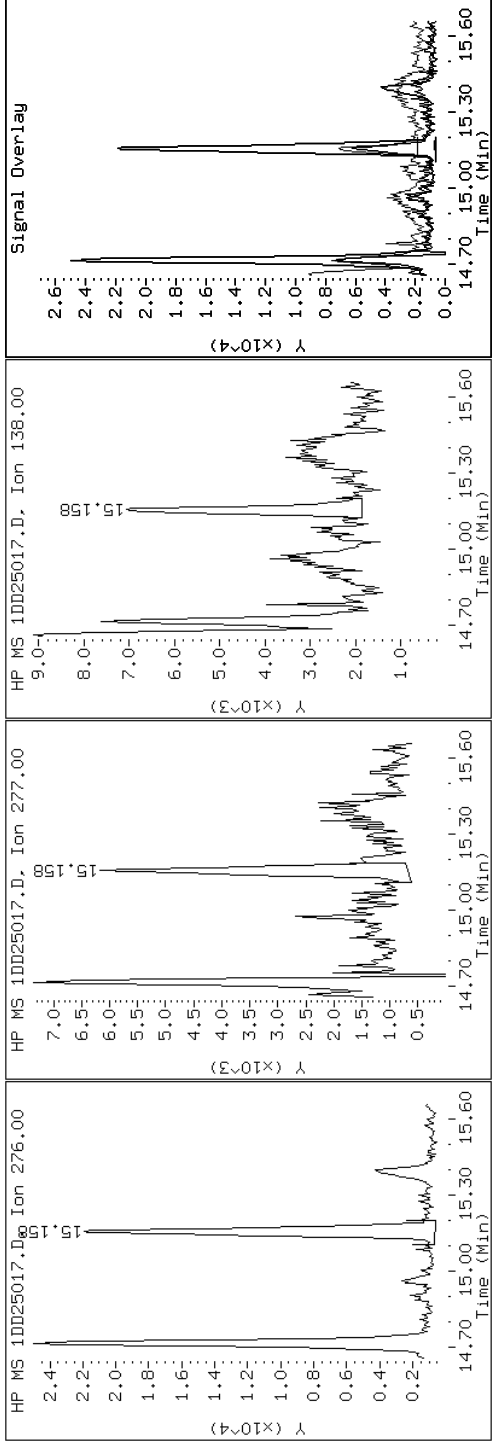
Client ID: CV1115A-CSD

Instrument: BSMDS.i

Sample Info: 680-89516-A-16-A

Operator: SCC

25 Benzo(g,h,i)perylene



Data File: 1DD25017.D

Date: 25-APR-2013 19:33

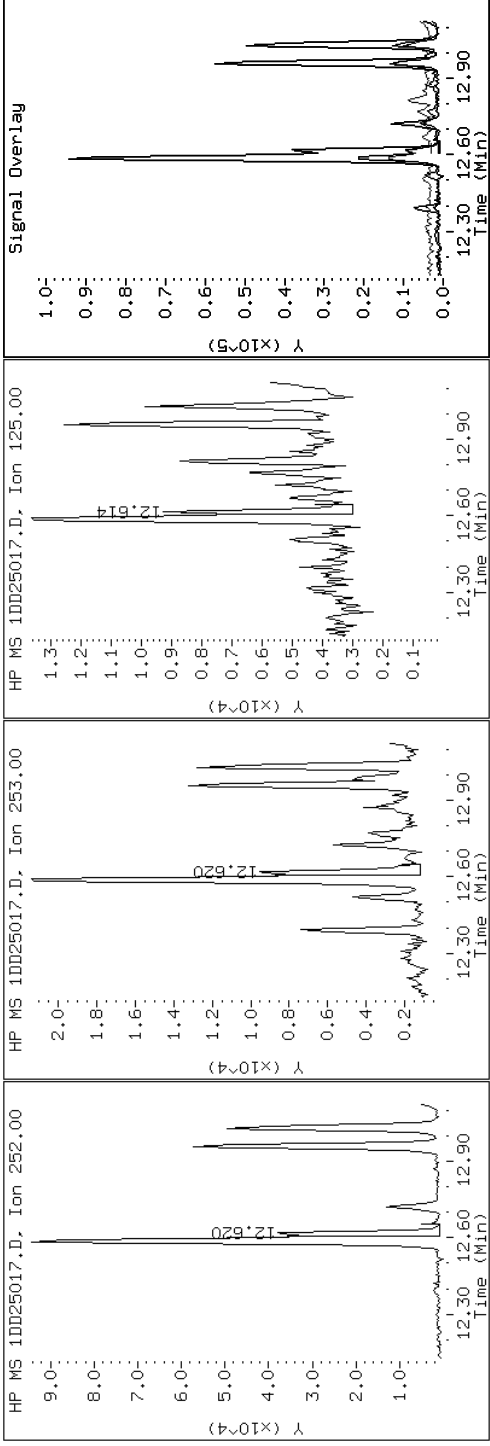
Client ID: CV1115A-CSD

Instrument: BSMSD.i

Sample Info: 680-89516-A-16-A

Operator: SCC

20 Benzo(k)fluoranthene



Data File: 1DD25017.D

Date: 25-APR-2013 19:33

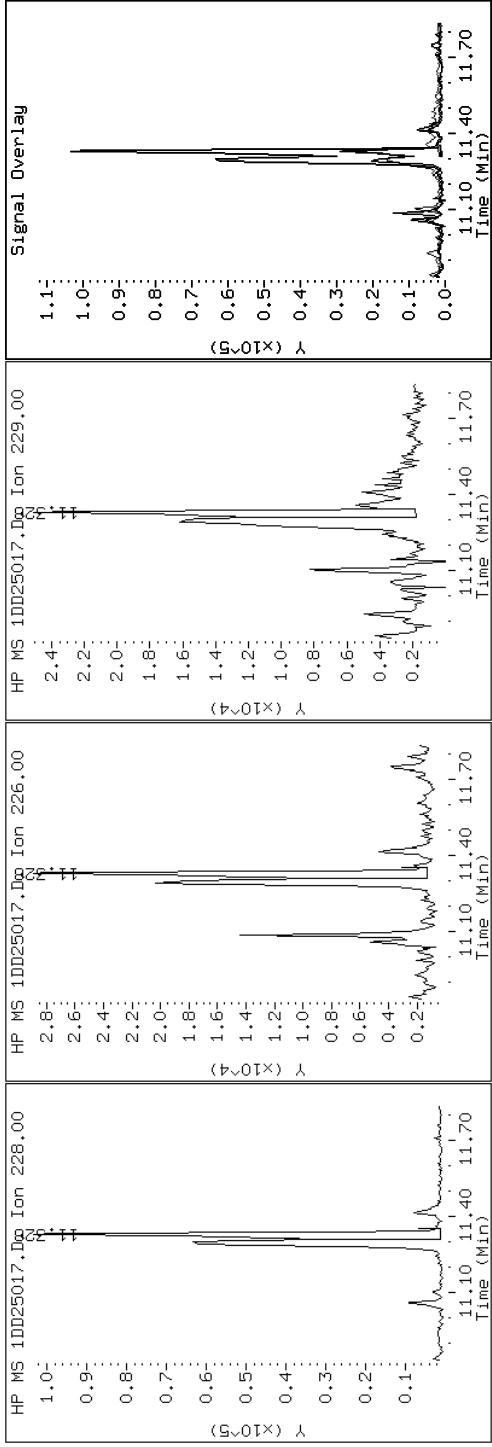
Client ID: CV1115A-CSD

Instrument: BSMSD.i

Sample Info: 680-89516-A-16-A

Operator: SCC

18 Chrysene



Data File: 1DD25017.D

Date: 25-APR-2013 19:33

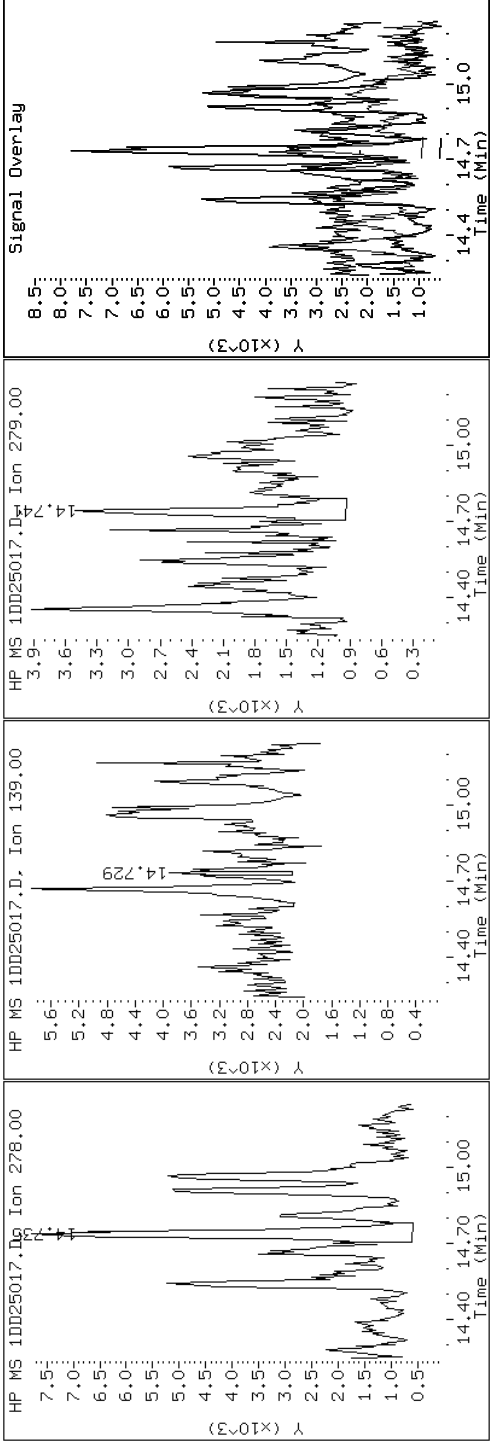
Client ID: CV1115A-CSD

Instrument: BSMMSD.i

Sample Info: 680-89516-A-16-A

Operator: SCC

24 Dibenzo(a,h)anthracene



Data File: 1DD25017.D

Date: 25-APR-2013 19:33

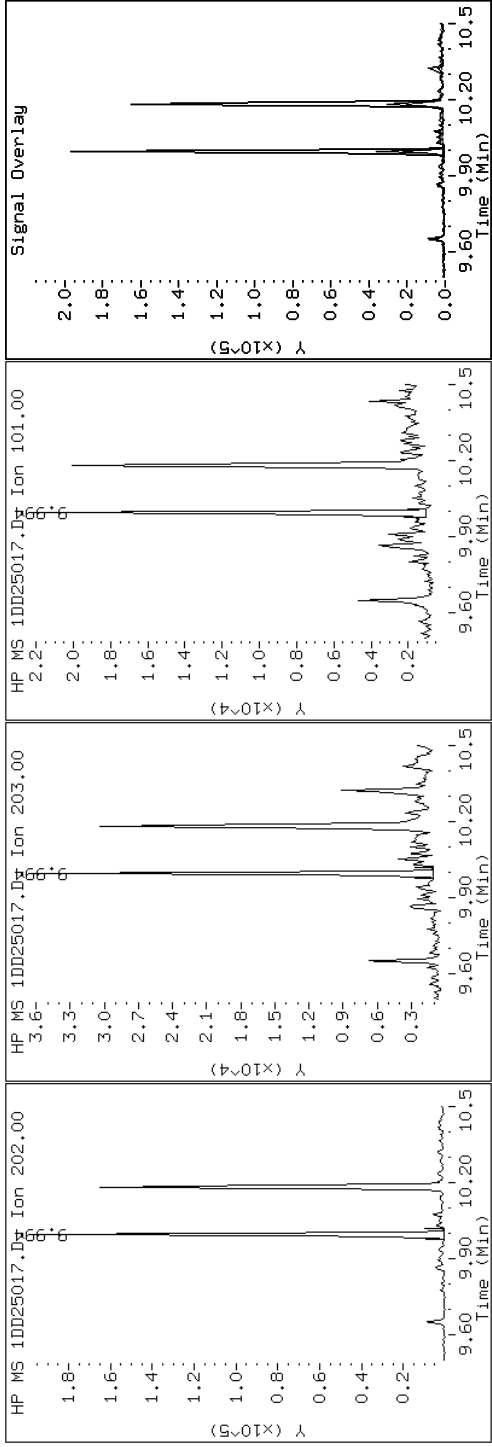
Client ID: CV1115A-CSD

Instrument: BSMDS.i

Sample Info: 680-89516-A-16-A

Operator: SCC

14 Fluoranthene



Data File: 1DD25017.D

Date: 25-APR-2013 19:33

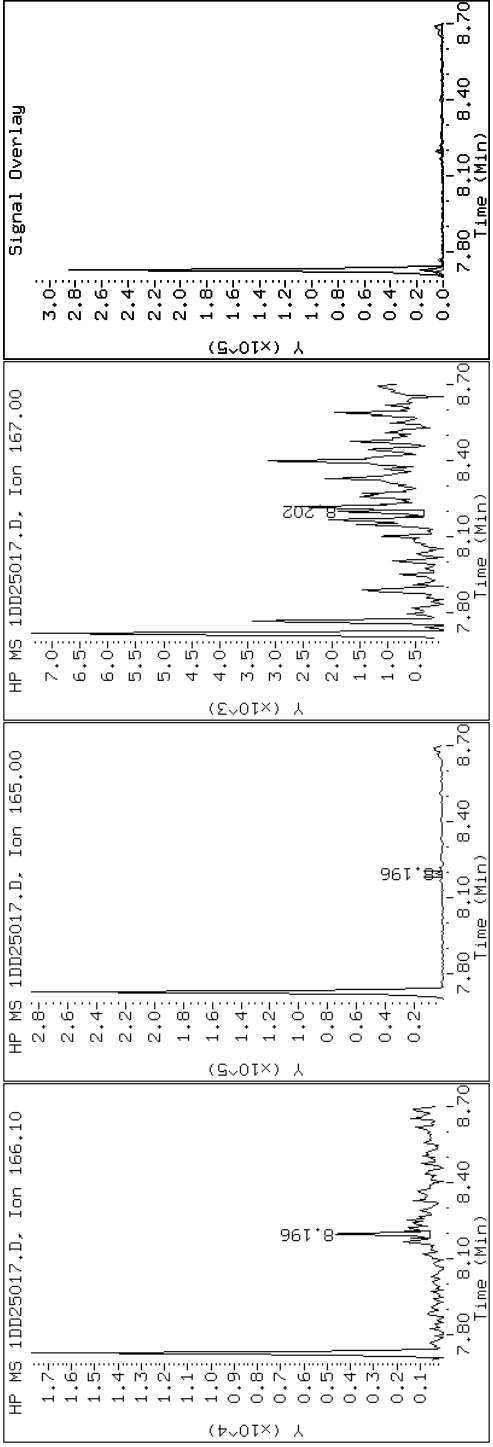
Client ID: CV1115A-CSD

Instrument: BSMDS.i

Sample Info: 680-89516-A-16-A

Operator: SCC

8 Fluorene



Data File: 1DD25017.D

Date: 25-APR-2013 19:33

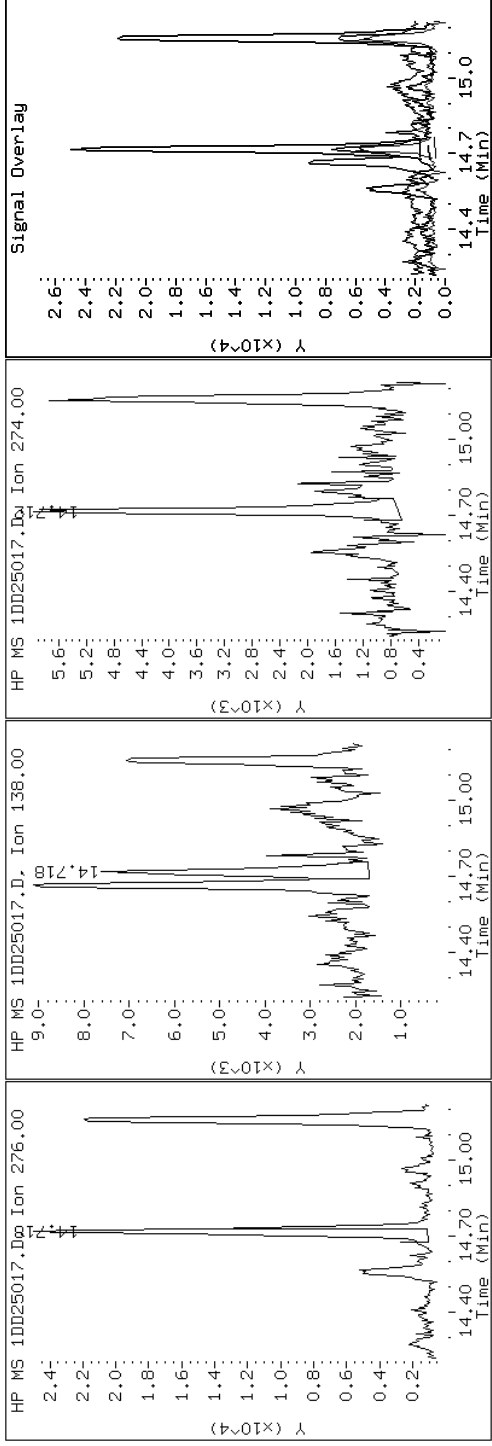
Client ID: CV1115A-CSD

Instrument: BSMMSD.i

Sample Info: 680-89516-A-16-A

Operator: SCC

23 Indeno(1,2,3-cd)pyrene



Data File: 1DD25017.D

Date: 25-APR-2013 19:33

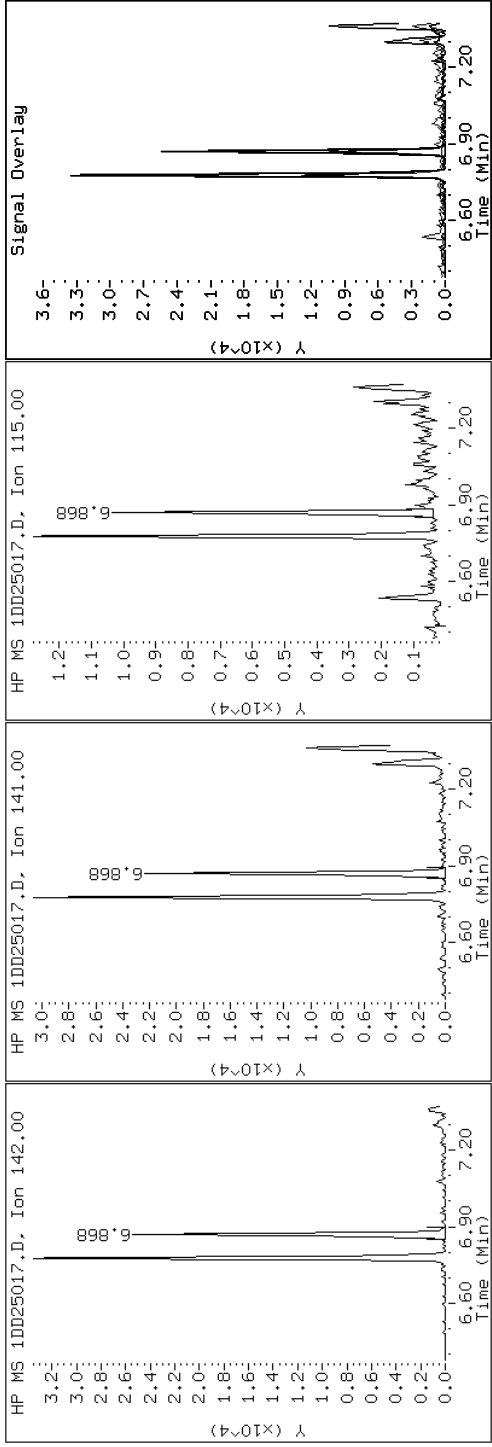
Client ID: CV1115A-CSD

Instrument: BSMDS.i

Sample Info: 680-89516-A-16-A

Operator: SCC

4 1-Methylnaphthalene



Data File: 1DD25017.D

Date: 25-APR-2013 19:33

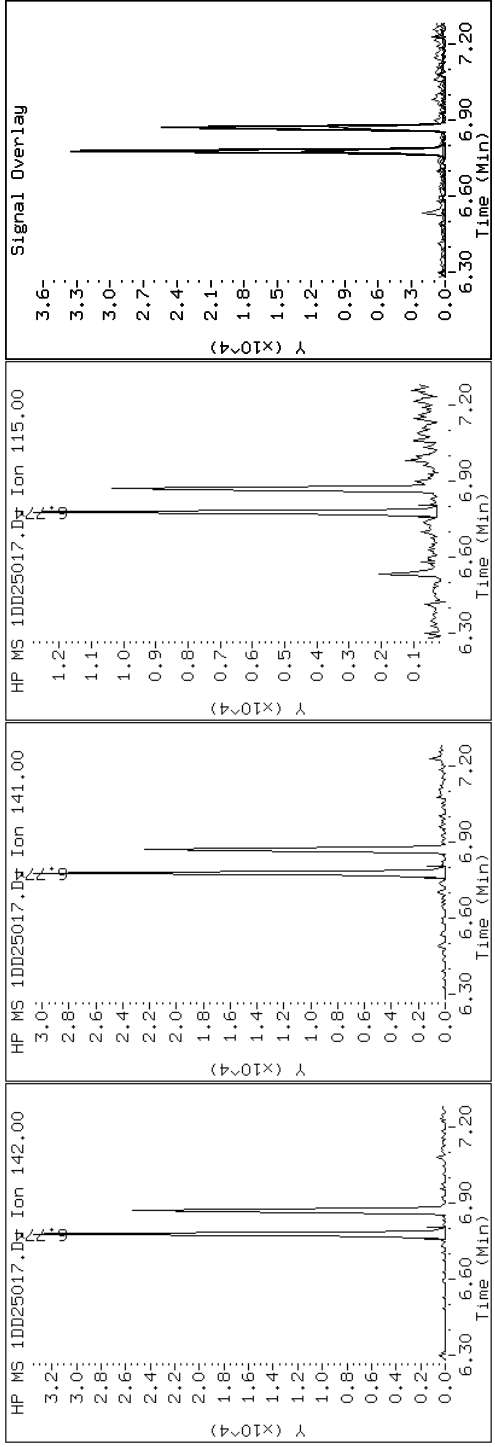
Client ID: CV1115A-CSD

Instrument: BSMDS.i

Sample Info: 680-89516-A-16-A

Operator: SCC

3 2-Methylnaphthalene



Data File: 1DD25017.D

Date: 25-APR-2013 19:33

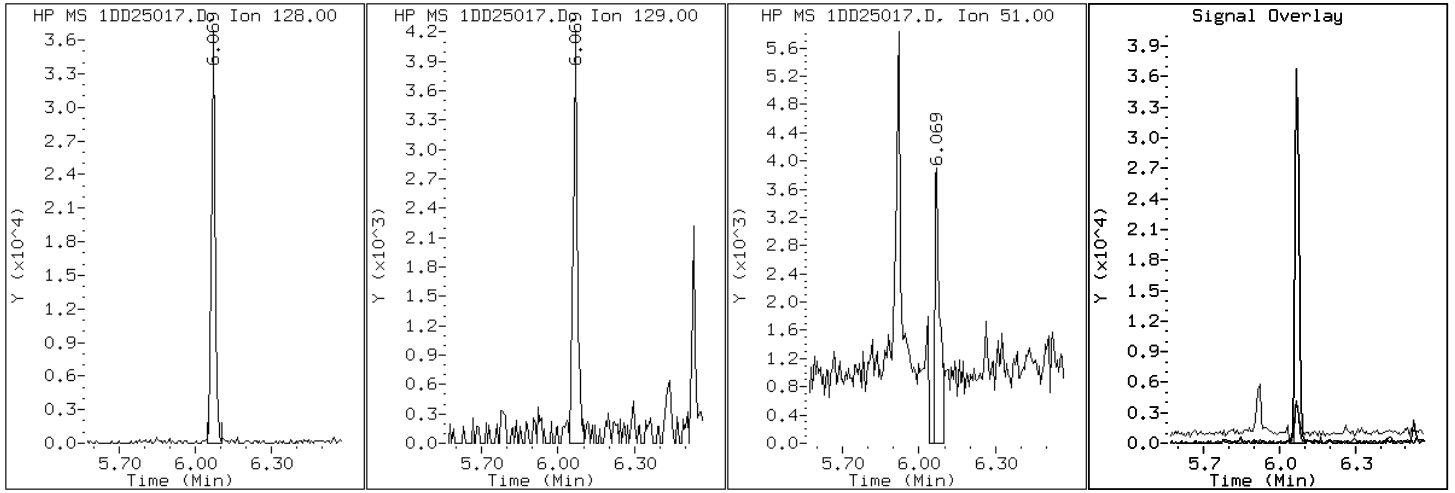
Client ID: CV1115A-CSD

Instrument: BSMSD.i

Sample Info: 680-89516-A-16-A

Operator: SCC

2 Naphthalene



Data File: 1DD25017.D

Date: 25-APR-2013 19:33

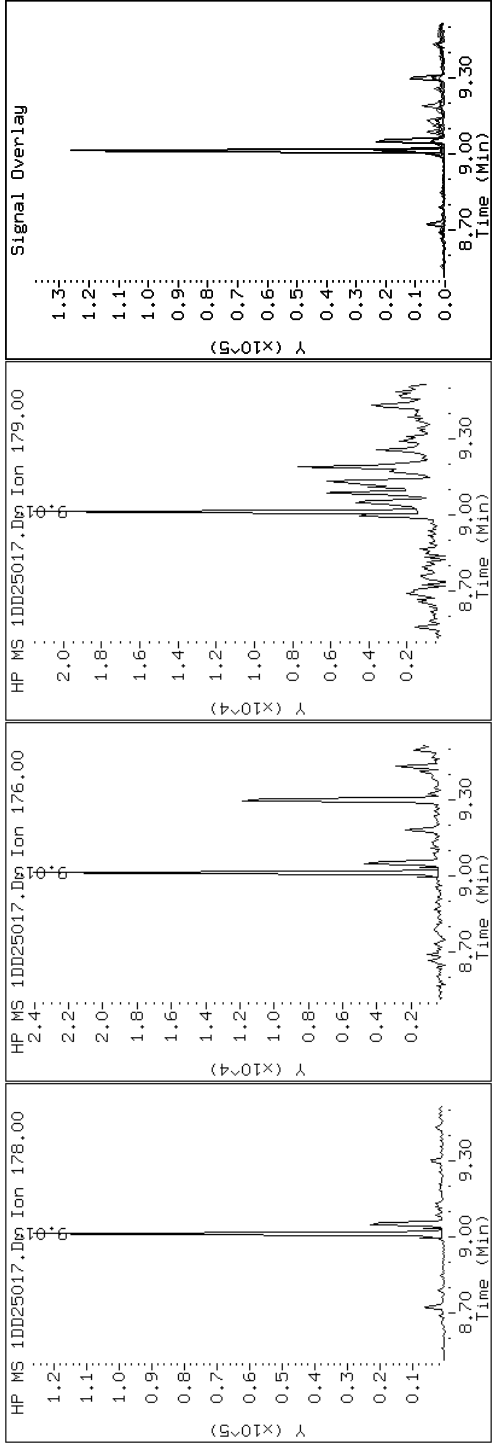
Client ID: CV1115A-CSD

Instrument: BSMSD.i

Sample Info: 680-89516-A-16-A

Operator: SCC

10 Phenanthrene



Data File: 1DD25017.D

Date: 25-APR-2013 19:33

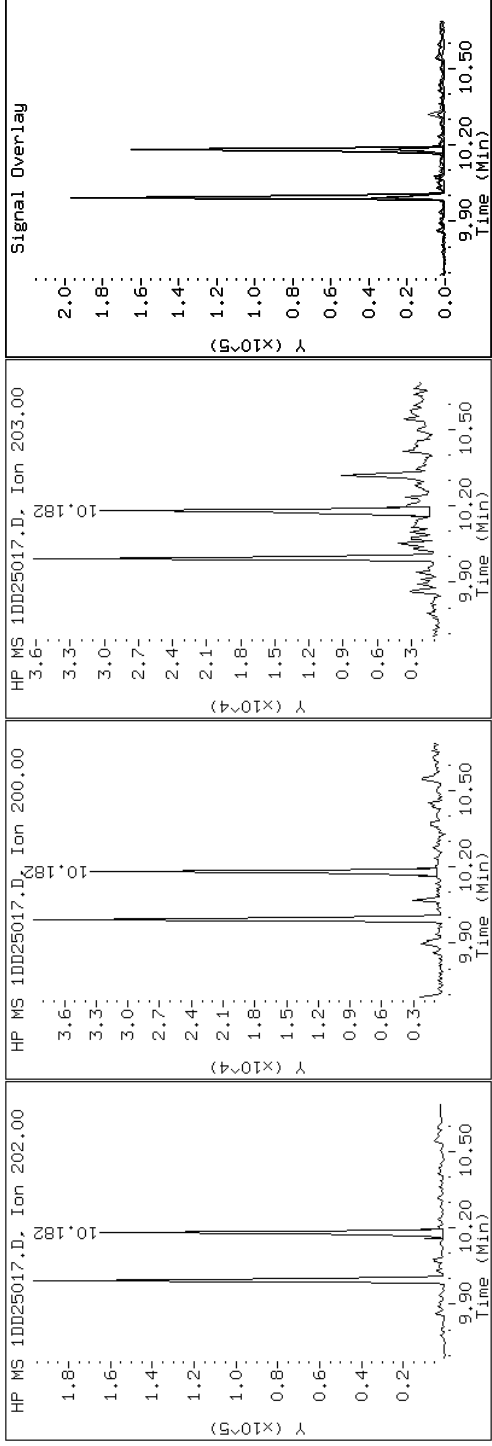
Client ID: CV1115A-CSD

Instrument: BSMMSD.i

Sample Info: 680-89516-A-16-A

Operator: SCC

15 Pyrene

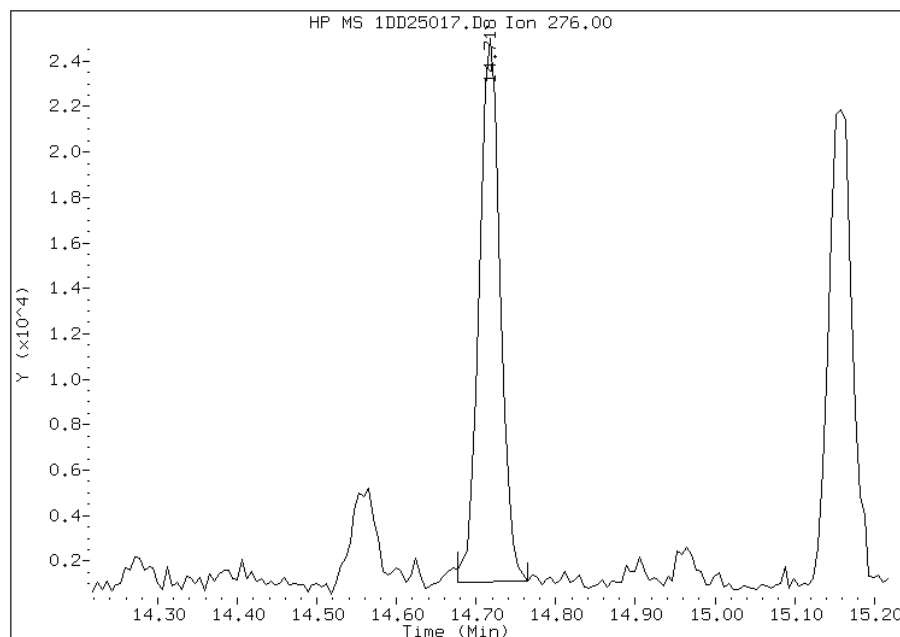


Manual Integration Report

Data File: 1DD25017.D
Inj. Date and Time: 25-APR-2013 19:33
Instrument ID: BSMSD.i
Client ID: CV1115A-CSD
Compound: 23 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/26/2013

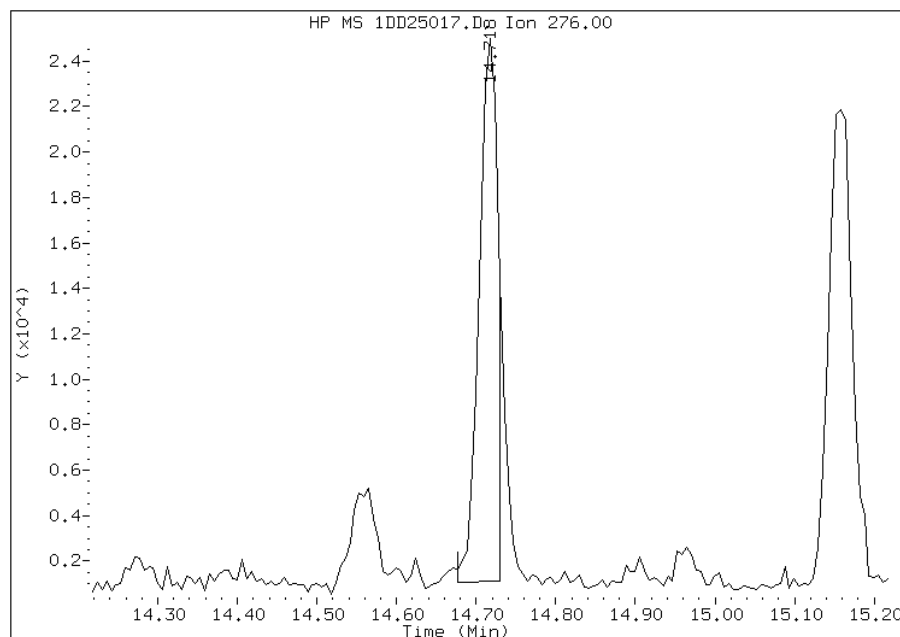
Processing Integration Results

RT: 14.72
Response: 43782
Amount: 1
Conc: 52



Manual Integration Results

RT: 14.72
Response: 38901
Amount: 1
Conc: 46



Manually Integrated By: cantins
Modification Date: 26-Apr-2013 15:59
Manual Integration Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-89516-1
 SDG No.: 68089516-1
 Client Sample ID: CV1115B-CS Lab Sample ID: 680-89516-17
 Matrix: Solid Lab File ID: 1DD25018.D
 Analysis Method: 8270C LL Date Collected: 04/17/2013 12:55
 Extract. Method: 3546 Date Extracted: 04/24/2013 09:50
 Sample wt/vol: 15.47(g) Date Analyzed: 04/25/2013 19:56
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 32.5 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 136899 Units: ug/Kg

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|----------|------------------------|--------|---|-----|-----|
| 83-32-9 | Acenaphthene | 140 | U | 140 | 29 |
| 208-96-8 | Acenaphthylene | 57 | U | 57 | 7.2 |
| 120-12-7 | Anthracene | 8.8 | J | 12 | 6.0 |
| 56-55-3 | Benzo[a]anthracene | 41 | | 11 | 5.6 |
| 50-32-8 | Benzo[a]pyrene | 29 | | 15 | 7.5 |
| 205-99-2 | Benzo[b]fluoranthene | 54 | | 18 | 8.8 |
| 191-24-2 | Benzo[g,h,i]perylene | 18 | J | 29 | 6.3 |
| 207-08-9 | Benzo[k]fluoranthene | 19 | | 11 | 5.2 |
| 218-01-9 | Chrysene | 45 | | 13 | 6.5 |
| 53-70-3 | Dibenz(a,h)anthracene | 6.6 | J | 29 | 5.9 |
| 206-44-0 | Fluoranthene | 51 | | 29 | 5.7 |
| 86-73-7 | Fluorene | 29 | U | 29 | 5.9 |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 15 | J | 29 | 10 |
| 90-12-0 | 1-Methylnaphthalene | 16 | J | 57 | 6.3 |
| 91-57-6 | 2-Methylnaphthalene | 21 | J | 57 | 10 |
| 91-20-3 | Naphthalene | 21 | J | 57 | 6.3 |
| 85-01-8 | Phenanthrene | 34 | | 11 | 5.6 |
| 129-00-0 | Pyrene | 39 | | 29 | 5.3 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---------|-------------|------|---|--------|
| 84-15-1 | o-Terphenyl | 72 | | 30-130 |

TestAmerica Laboratories

Semivolatiles 8270 low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMSD.i\1D042513.b\1DD25018.D
 Lab Smp Id: 680-89516-A-17-A Client Smp ID: CV1115B-CS
 Inj Date : 25-APR-2013 19:56
 Operator : SCC Inst ID: BSMSD.i
 Smp Info : 680-89516-A-17-A
 Misc Info : 680-89516-A-17-A
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMSD.i\1D042513.b\dFASTPAHi.m
 Meth Date : 25-Apr-2013 12:42 cantins Quant Type: ISTD
 Cal Date : 04-APR-2013 16:04 Cal File: 1DD04013.D
 Als bottle: 18
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

Concentration Formula:

$$\text{Amt} * \text{DF} * 1/\text{Vi} * \text{Vt}/\text{Ws} * 100/(100 - \text{M}) * \text{A} * \text{B} * \text{C} * \text{D} * \text{GPC} * \text{CpndVariable}$$

| Name | Value | Description |
|---------------|----------|---|
| DF | 1.000 | Dilution Factor |
| Vi | 1.000 | Injection Volume |
| Vt | 1.000 | Final Volume |
| Ws | 15.470 | Weight Extracted |
| M | 32.475 | % Moisture |
| A | 1000.000 | uL to mL conversion |
| B | 1000.000 | g to kg conversion |
| C | 0.00100 | ng to ug conversion |
| D | 1.000 | ug to mg conversion(value = 1 if no conv) |
| GPC | 1.000 | GPC FACTOR |
| Cpnd Variable | | Local Compound Variable |

| Compounds | QUANT | SIG | MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS | |
|-----------------------|-------|-----|--------|--------|---------|---------|----------|----------------------|------------------|
| | | | | | | | | ON-COLUMN (ug/l) | FINAL (ug/Kg) |
| * 1 Naphthalene-d8 | 136 | | 6.048 | 6.049 | (1.000) | 2540711 | 40.0000 | | |
| * 6 Acenaphthene-d10 | 164 | | 7.735 | 7.729 | (1.000) | 1638497 | 40.0000 | | |
| * 9 Phenanthrene-d10 | 188 | | 8.998 | 8.992 | (1.000) | 2790503 | 40.0000 | | |
| \$ 13 o-Terphenyl | 230 | | 9.298 | 9.298 | (1.033) | 304184 | 7.23463 | 690 | |
| * 17 Chrysene-d12 | 240 | | 11.307 | 11.307 | (1.000) | 2815156 | 40.0000 | | |
| * 22 Perylene-d12 | 264 | | 13.134 | 13.129 | (1.000) | 2607825 | 40.0000 | | |
| 2 Naphthalene | 128 | | 6.066 | 6.072 | (1.003) | 14029 | 0.22215 | 21 | |
| 3 2-Methylnaphthalene | 142 | | 6.777 | 6.777 | (1.120) | 8942 | 0.21935 | 21 | |
| 4 1-Methylnaphthalene | 142 | | 6.871 | 6.871 | (1.136) | 6366 | 0.16536 | 16 | |
| 5 Acenaphthylene | 152 | | 7.600 | 7.600 | (0.983) | 4797 | 0.06917 | 6.6 | |
| 10 Phenanthrene | 178 | | 9.010 | 9.010 | (1.001) | 26933 | 0.35040 | 34 | |
| 11 Anthracene | 178 | | 9.051 | 9.051 | (1.006) | 6985 | 0.09156 | 8.8 | |
| 12 Carbazole | 167 | | 9.192 | 9.192 | (1.022) | 3160 | 0.04696 | 4.5 | |
| 14 Fluoranthene | 202 | | 9.991 | 9.997 | (1.110) | 41803 | 0.52851 | 50 | |

| Compounds | QUANT SIG | | CONCENTRATIONS | | | | |
|---------------------------|-----------|--------|----------------|---------|----------|----------------------|------------------|
| | MASS | RT | EXP RT | REL RT | RESPONSE | ON-COLUMN (ug/l) | FINAL (ug/Kg) |
| 15 Pyrene | 202 | 10.179 | 10.185 | (0.900) | 34313 | 0.40588 | 39 |
| 16 Benzo(a)anthracene | 228 | 11.295 | 11.284 | (0.999) | 35079 | 0.43099 | 41 |
| 18 Chrysene | 228 | 11.325 | 11.331 | (1.002) | 36114 | 0.47321 | 45 |
| 19 Benzo(b)fluoranthene | 252 | 12.576 | 12.582 | (0.958) | 36843 | 0.56556 | 54(M) |
| 20 Benzo(k)fluoranthene | 252 | 12.605 | 12.623 | (0.960) | 13407 | 0.19535 | 19(QMH) |
| 21 Benzo(a)pyrene | 252 | 13.029 | 13.035 | (0.992) | 19558 | 0.29880 | 29 |
| 23 Indeno(1,2,3-cd)pyrene | 276 | 14.703 | 14.715 | (1.119) | 11136 | 0.15956 | 15(M) |
| 24 Dibenzo(a,h)anthracene | 278 | 14.721 | 14.744 | (1.121) | 4556 | 0.06932 | 6.6(MH) |
| 25 Benzo(g,h,i)perylene | 276 | 15.132 | 15.156 | (1.152) | 12412 | 0.18470 | 18(H) |

QC Flag Legend

- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

Data File: 1DD25018.D

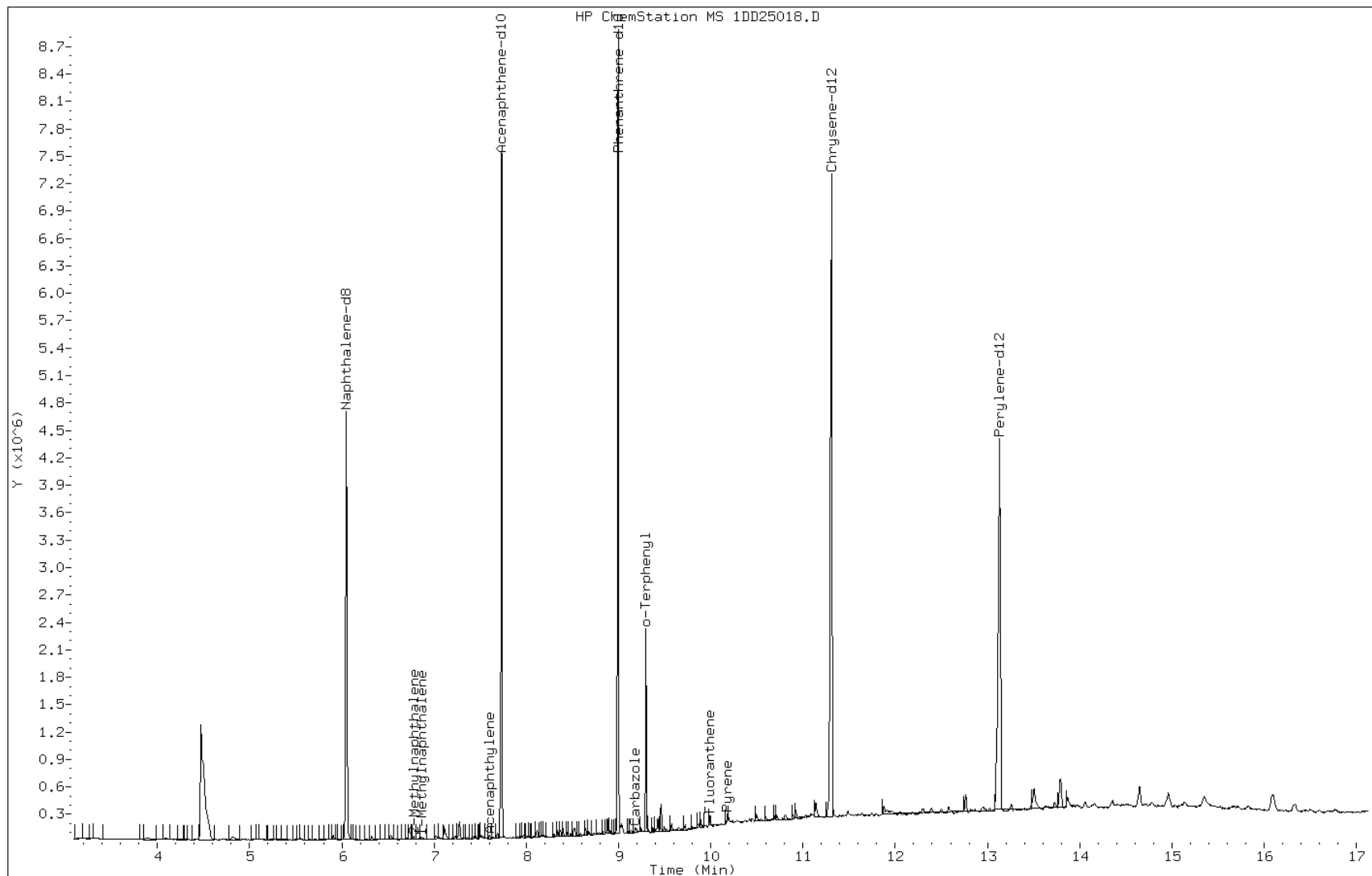
Date: 25-APR-2013 19:56

Client ID: CV1115B-CS

Instrument: BSMSD.i

Sample Info: 680-89516-A-17-A

Operator: SCC



Data File: 1DD25018.D

Date: 25-APR-2013 19:56

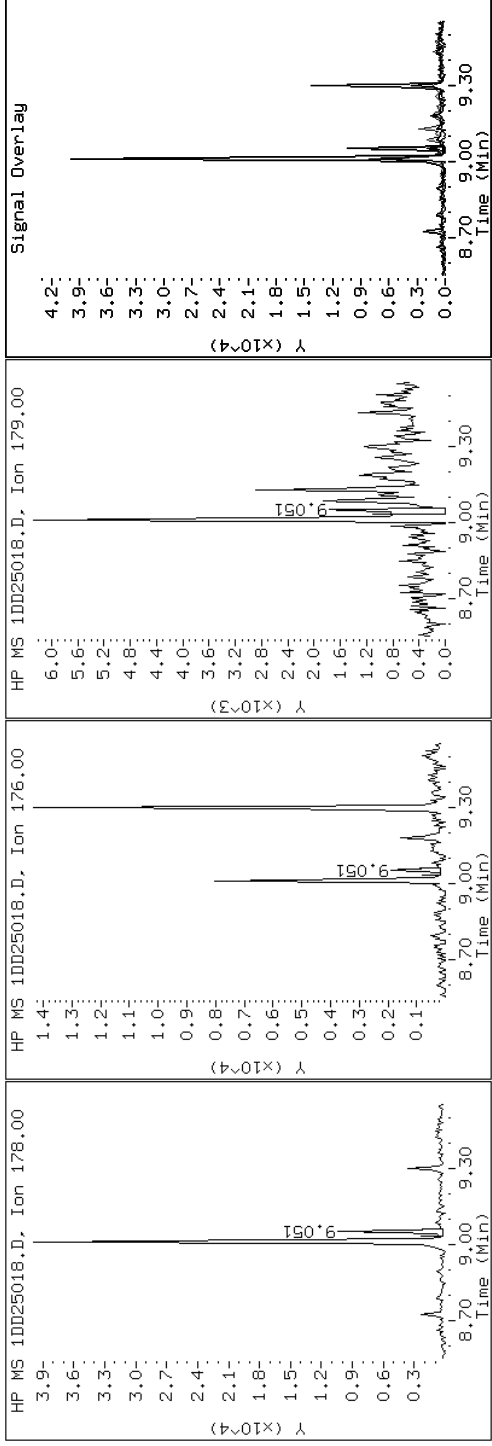
Client ID: CV1115B-CS

Instrument: BSMSD.i

Sample Info: 680-89516-A-17-A

Operator: SCC

11 Anthracene



Data File: 1DD25018.D

Date: 25-APR-2013 19:56

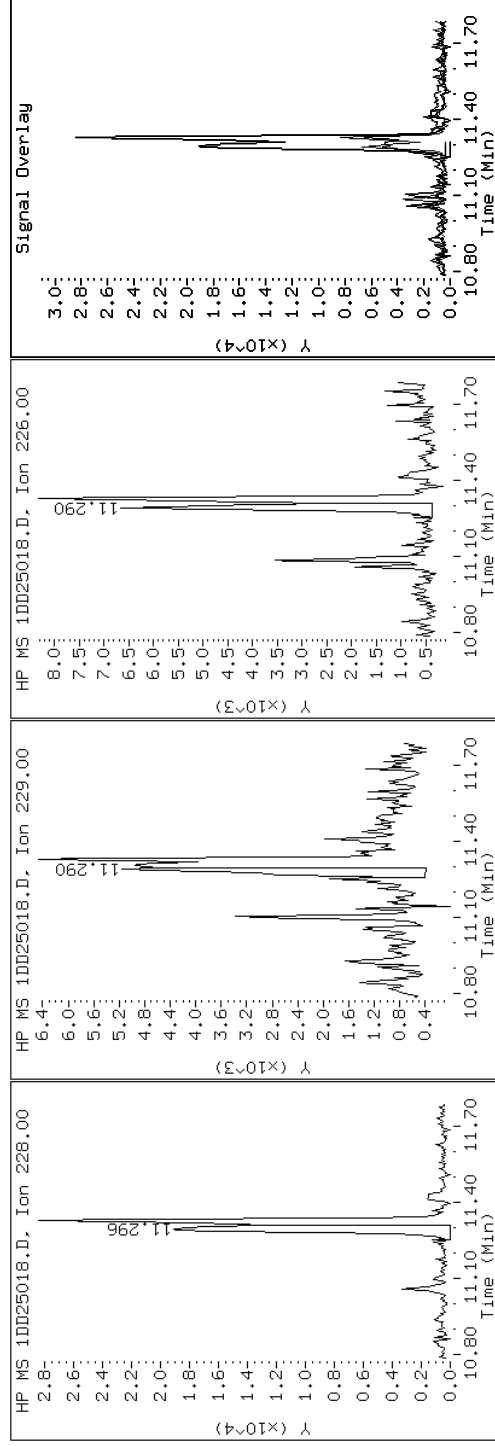
Client ID: CV1115B-CS

Instrument: BSMSD.i

Sample Info: 680-89516-A-17-A

Operator: SCC

16 Benzo(a)anthracene



Data File: 1DD25018.D

Date: 25-APR-2013 19:56

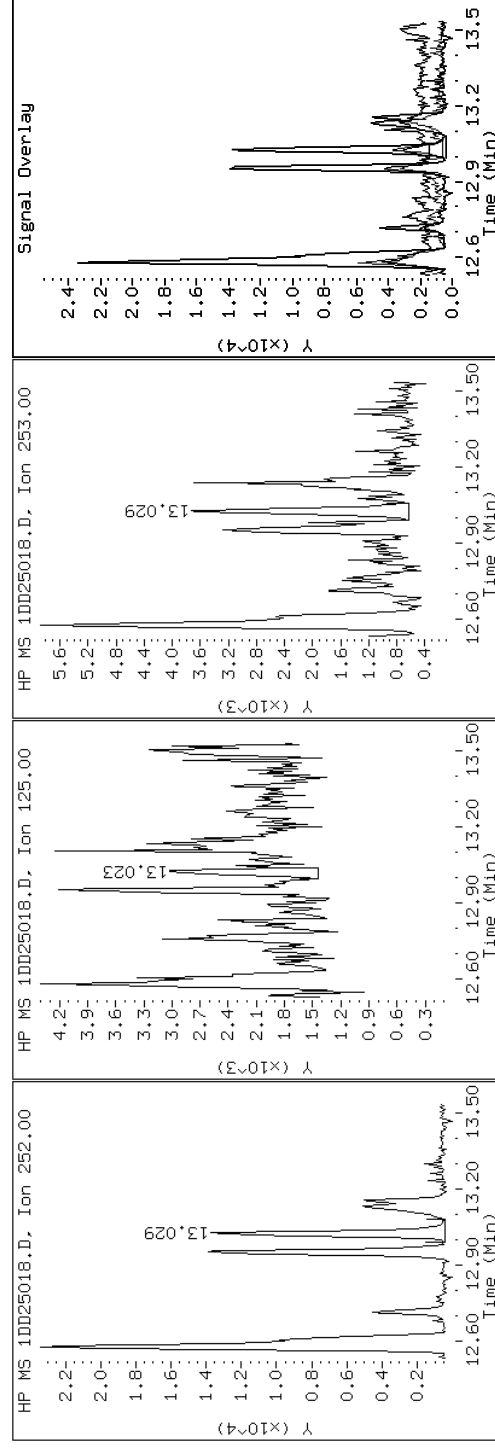
Client ID: CV1115B-CS

Instrument: BSMSD.i

Sample Info: 680-89516-A-17-A

Operator: SCC

21 Benzo(a)pyrene



Data File: 1DD25018.D

Date: 25-APR-2013 19:56

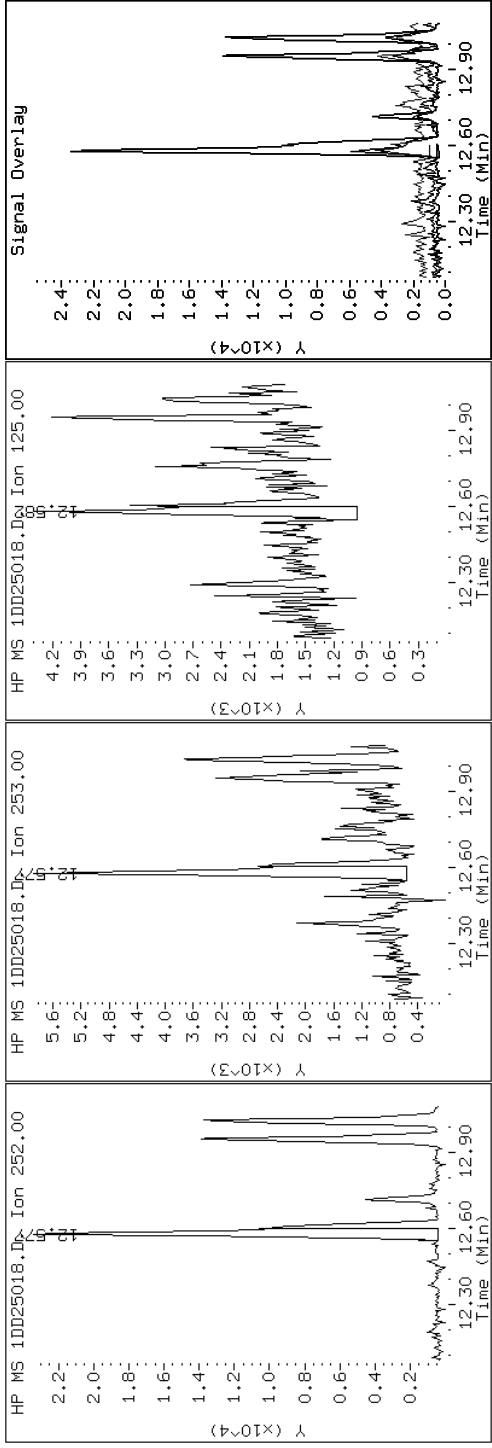
Client ID: CV1115B-CS

Instrument: BSMMSD.i

Sample Info: 680-89516-A-17-A

Operator: SCC

19 Benzo(b)fluoranthene



Data File: 1DD25018.D

Date: 25-APR-2013 19:56

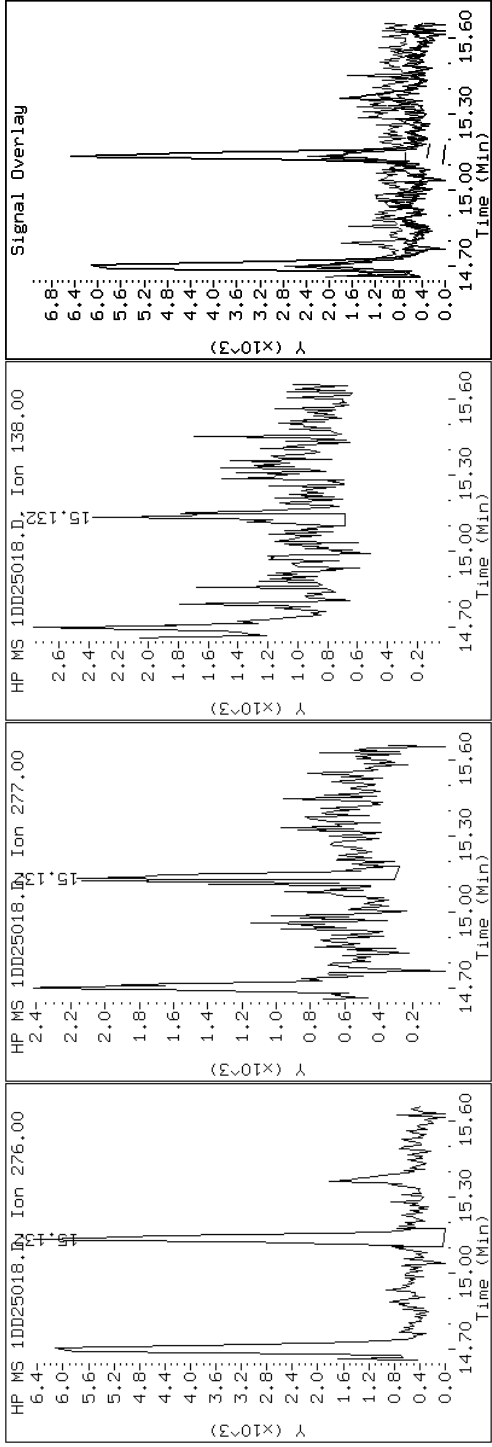
Client ID: CV1115B-CS

Instrument: BSMDS.i

Sample Info: 680-89516-A-17-A

Operator: SCC

25 Benzo(g,h,i)perylene



Data File: 1DD25018.D

Date: 25-APR-2013 19:56

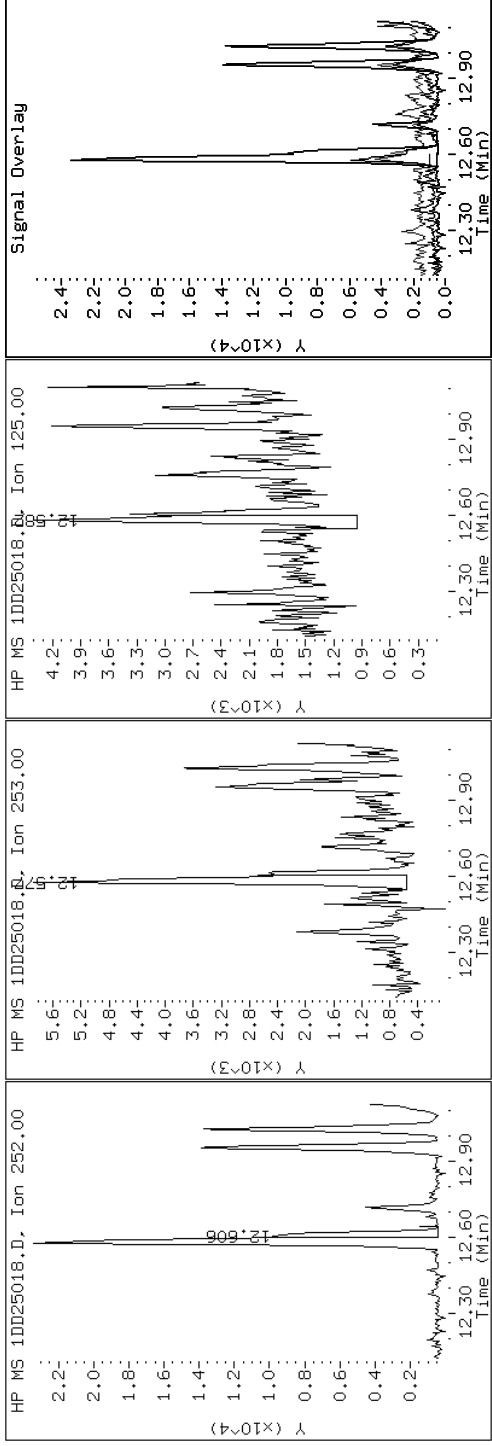
Client ID: CV1115B-CS

Instrument: BSMDS.i

Sample Info: 680-89516-A-17-A

Operator: SCC

20 Benzo(k)fluoranthene



Data File: 1DD25018.D

Date: 25-APR-2013 19:56

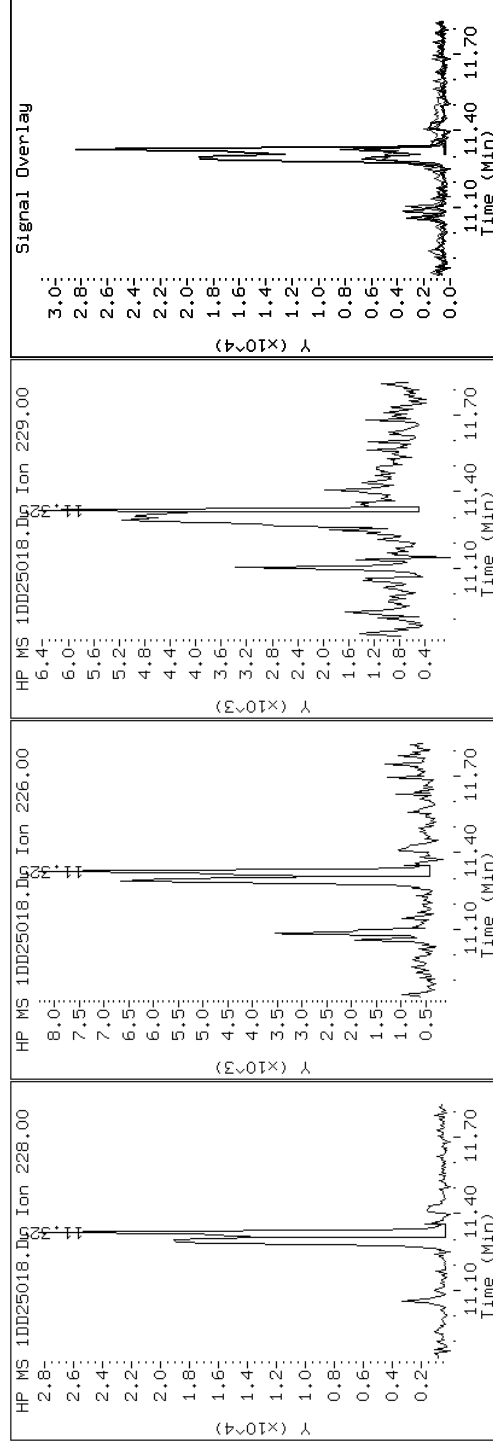
Client ID: CV1115B-CS

Instrument: BSMSD.i

Sample Info: 680-89516-A-17-A

Operator: SCC

18 Chrysene



Data File: 1DD25018.D

Date: 25-APR-2013 19:56

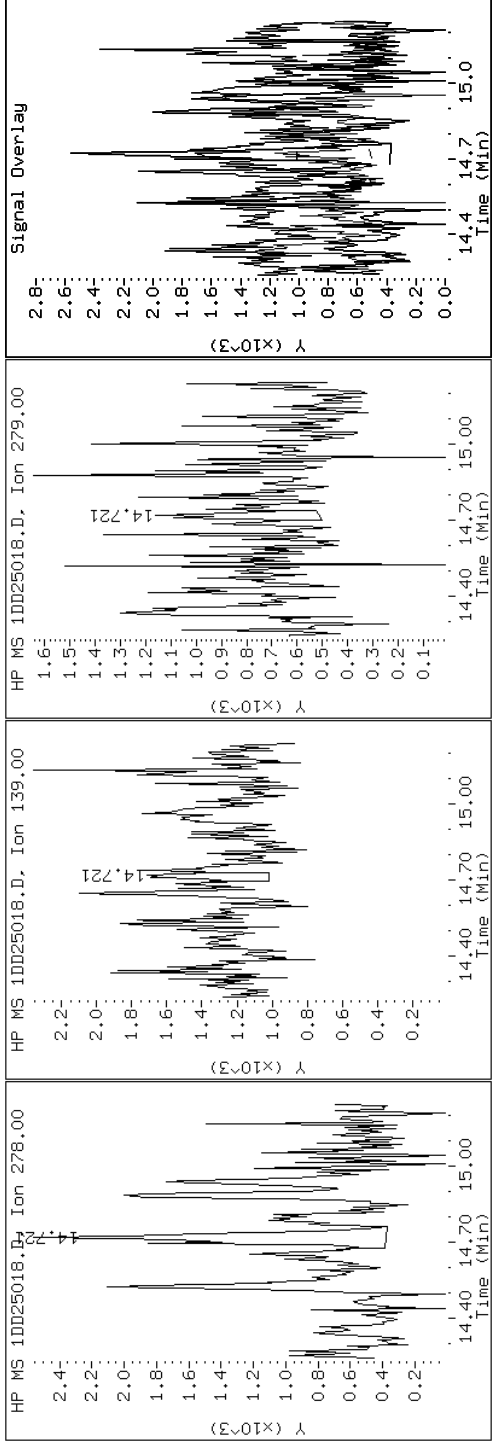
Client ID: CV1115B-CS

Instrument: BSMSD.i

Sample Info: 680-89516-A-17-A

Operator: SCC

24 Dibenzo(a,h)anthracene



Data File: 1DD25018.D

Date: 25-APR-2013 19:56

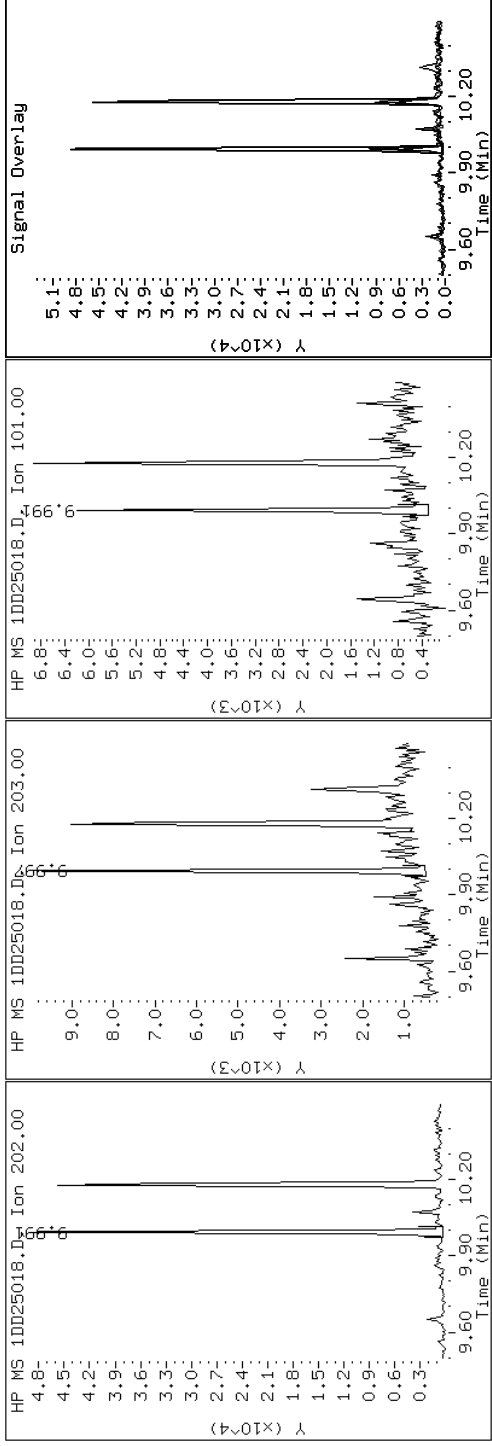
Client ID: CV1115B-CS

Instrument: BSMDS.i

Sample Info: 680-89516-A-17-A

Operator: SCC

14 Fluoranthene



Data File: 1DD25018.D

Date: 25-APR-2013 19:56

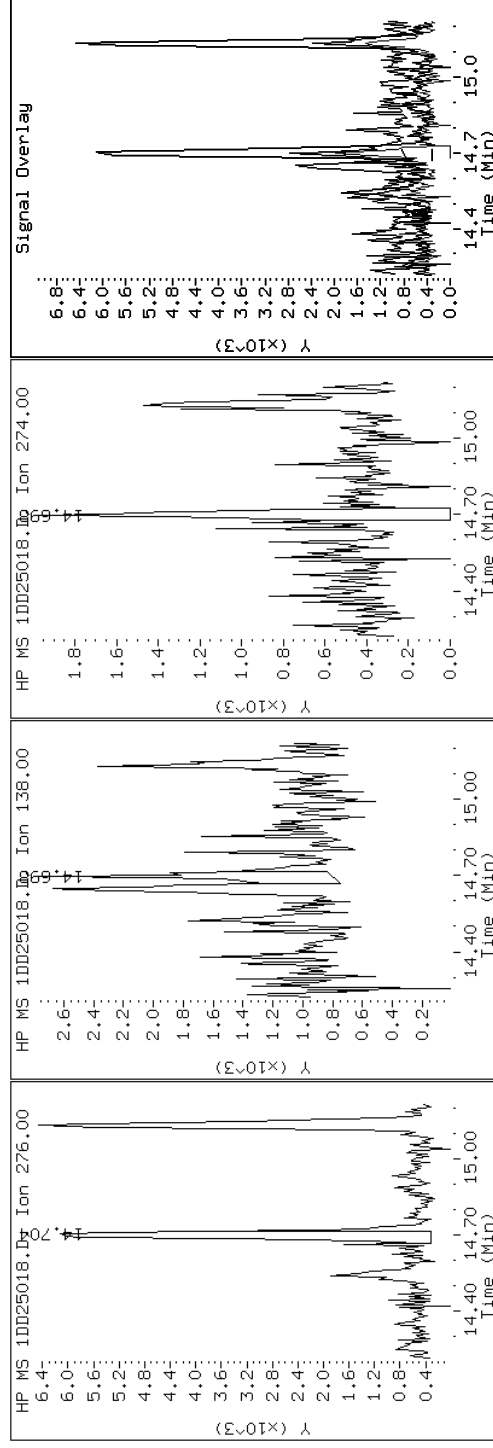
Client ID: CV1115B-CS

Instrument: BSMDS.i

Sample Info: 680-89516-A-17-A

Operator: SCC

23 Indeno(1,2,3-cd)pyrene



Data File: 1DD25018.D

Date: 25-APR-2013 19:56

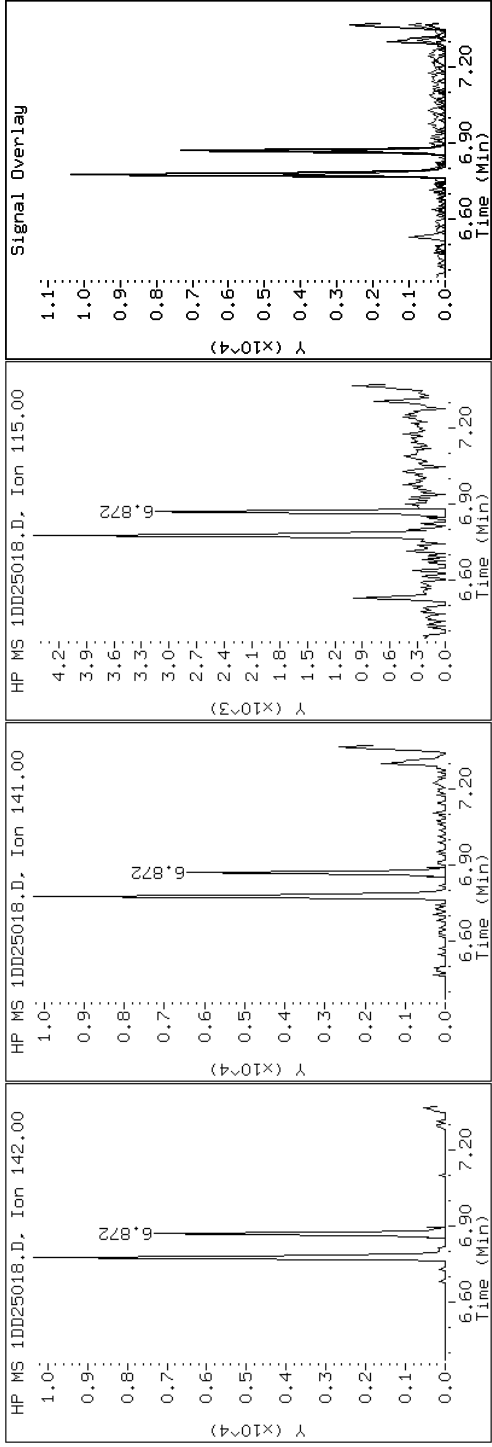
Client ID: CV1115B-CS

Instrument: BSMSD.i

Sample Info: 680-89516-A-17-A

Operator: SCC

4 1-Methylnaphthalene



Data File: 1DD25018.D

Date: 25-APR-2013 19:56

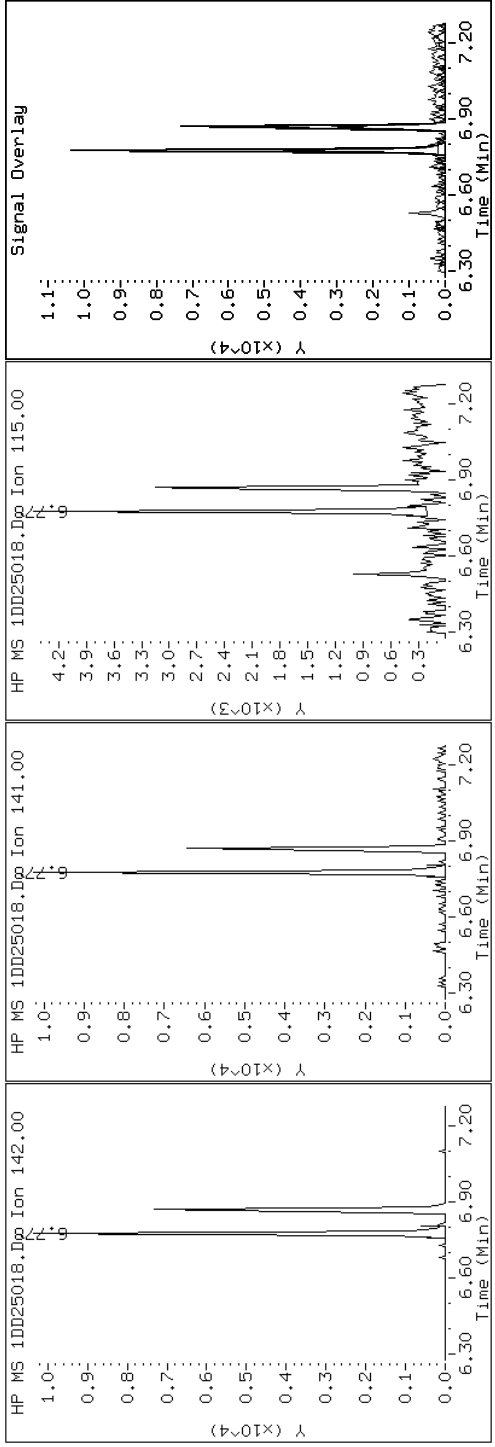
Client ID: CV1115B-CS

Instrument: BSMDS.i

Sample Info: 680-89516-A-17-A

Operator: SCC

3 2-Methylnaphthalene



Data File: 1DD25018.D

Date: 25-APR-2013 19:56

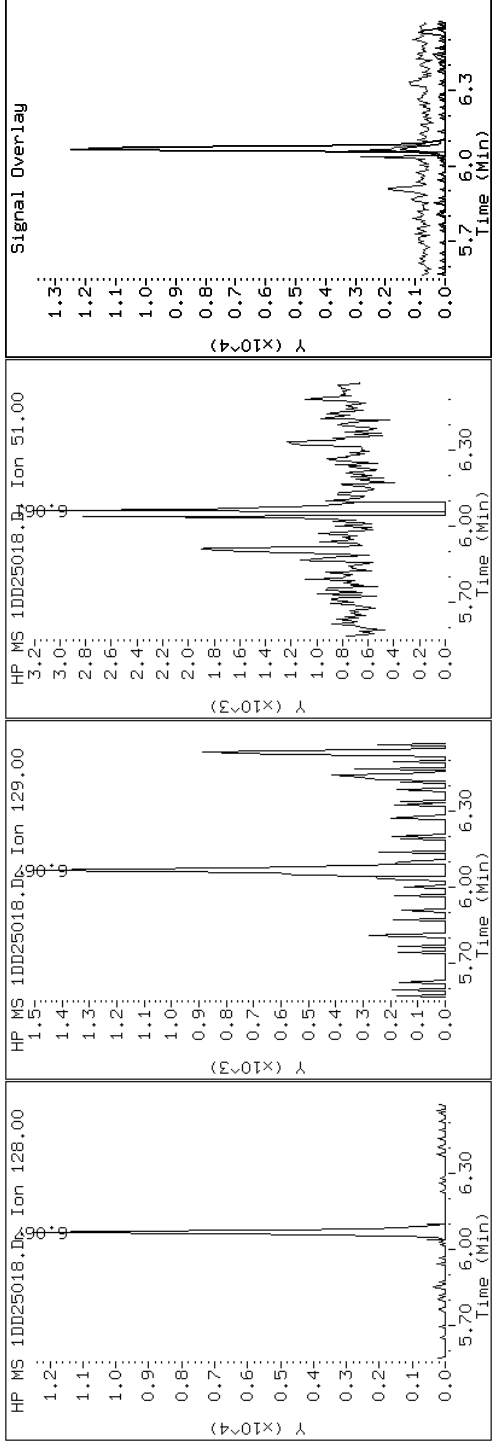
Client ID: CV1115B-CS

Instrument: BSMDS.i

Sample Info: 680-89516-A-17-A

Operator: SCC

2 Naphthalene



Data File: 1DD25018.D

Date: 25-APR-2013 19:56

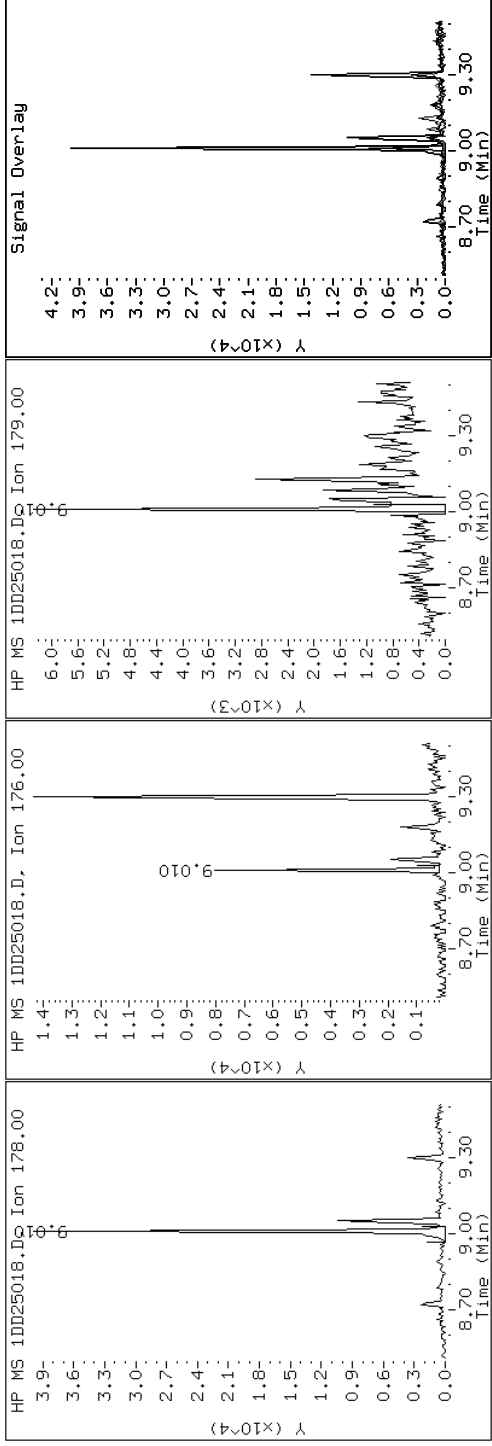
Client ID: CV1115B-CS

Instrument: BSMSD.i

Sample Info: 680-89516-A-17-A

Operator: SCC

10 Phenanthrene



Data File: 1DD25018.D

Date: 25-APR-2013 19:56

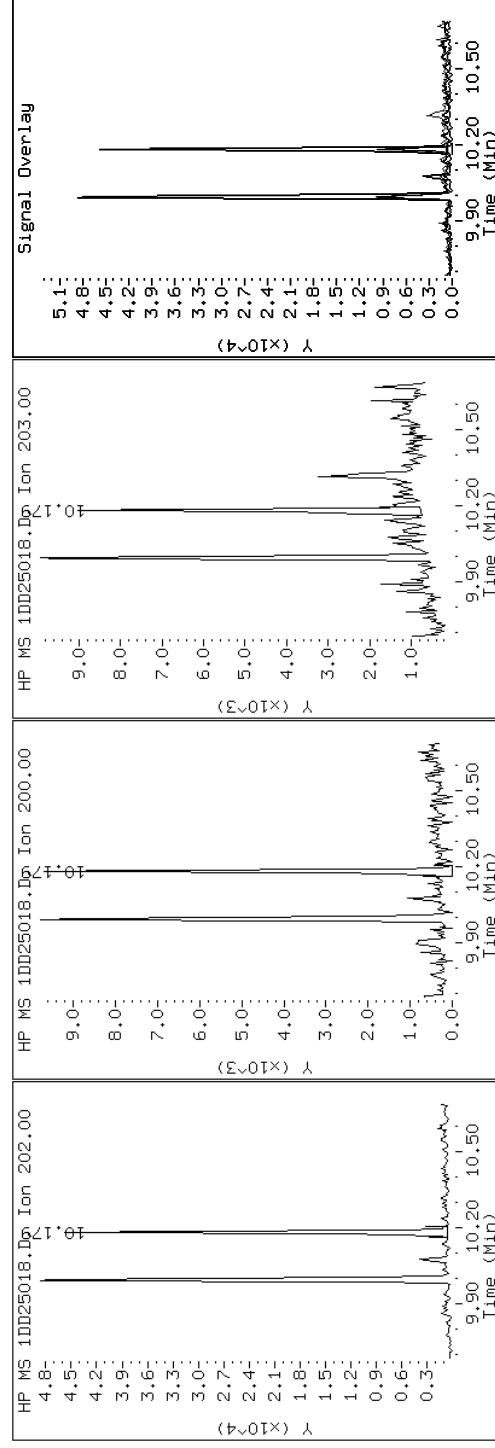
Client ID: CV1115B-CS

Instrument: BSMDS.i

Sample Info: 680-89516-A-17-A

Operator: SCC

15 Pyrene

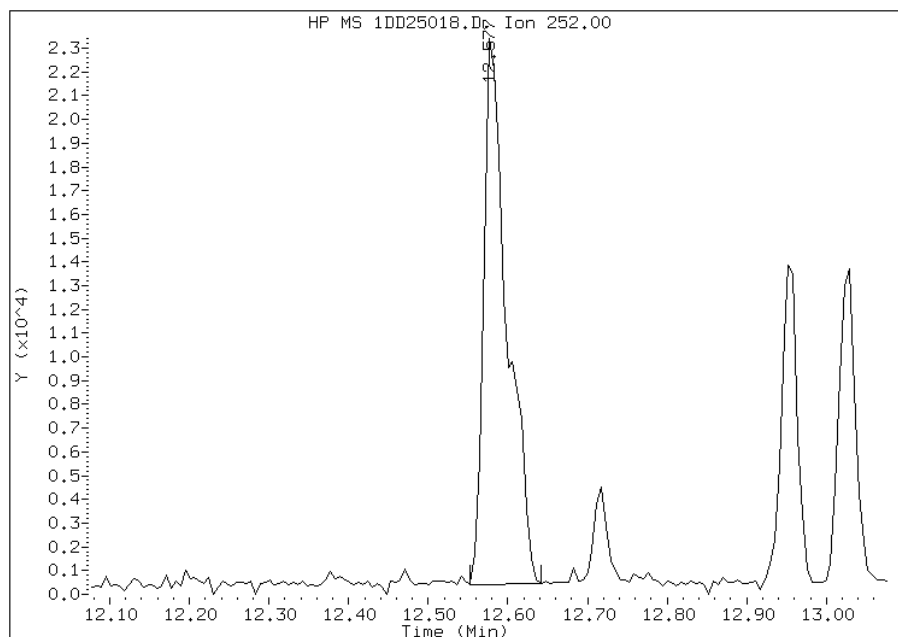


Manual Integration Report

Data File: 1DD25018.D
Inj. Date and Time: 25-APR-2013 19:56
Instrument ID: BSMSD.i
Client ID: CV1115B-CS
Compound: 19 Benzo(b)fluoranthene
CAS #: 205-99-2
Report Date: 04/26/2013

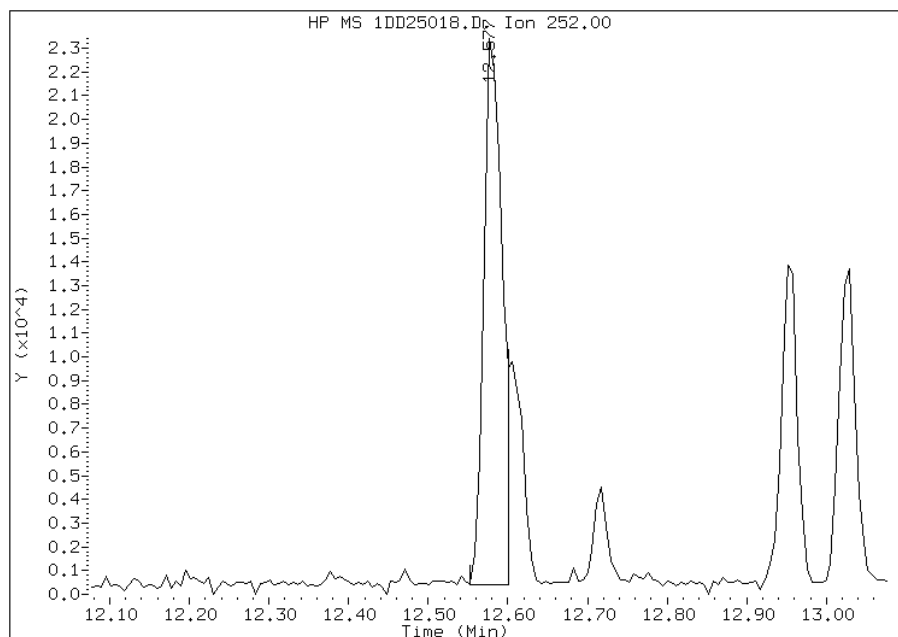
Processing Integration Results

RT: 12.58
Response: 47032
Amount: 1
Conc: 69



Manual Integration Results

RT: 12.58
Response: 36843
Amount: 1
Conc: 54



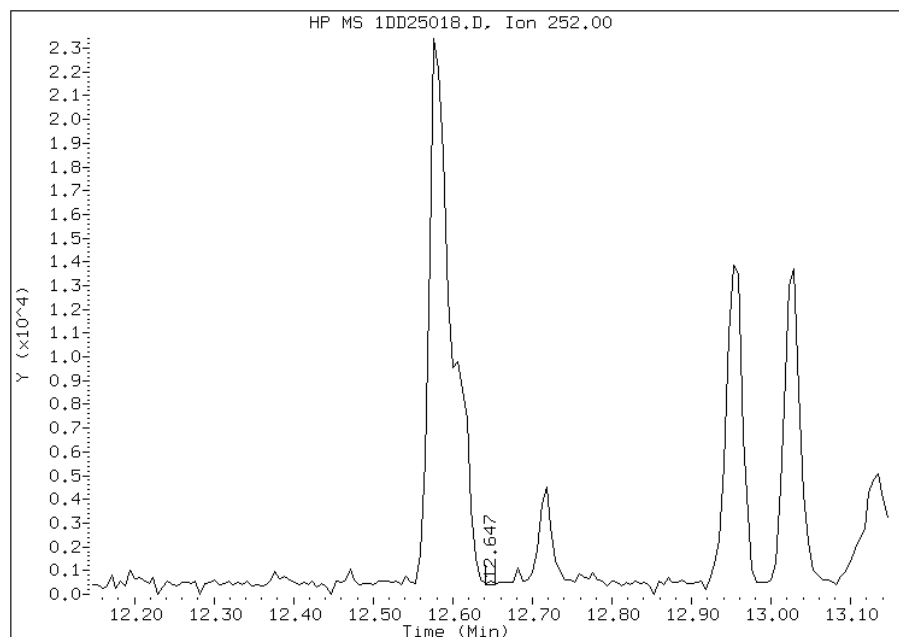
Manually Integrated By: cantins
Modification Date: 26-Apr-2013 16:00
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: 1DD25018.D
Inj. Date and Time: 25-APR-2013 19:56
Instrument ID: BSMSD.i
Client ID: CV1115B-CS
Compound: 20 Benzo(k)fluoranthene
CAS #: 207-08-9
Report Date: 04/26/2013

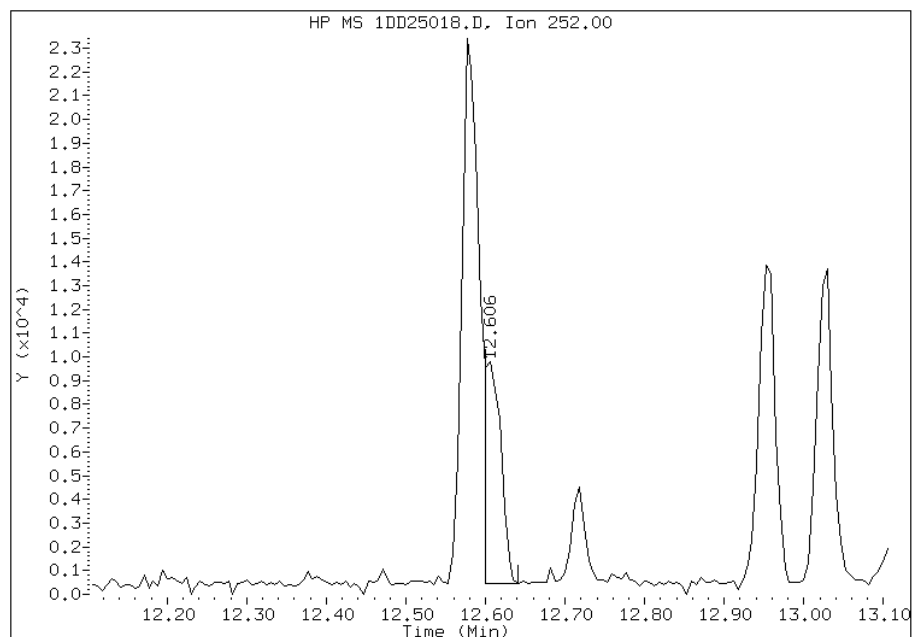
Processing Integration Results

RT: 12.65
Response: 87
Amount: 0
Conc: 0



Manual Integration Results

RT: 12.61
Response: 13407
Amount: 0
Conc: 19



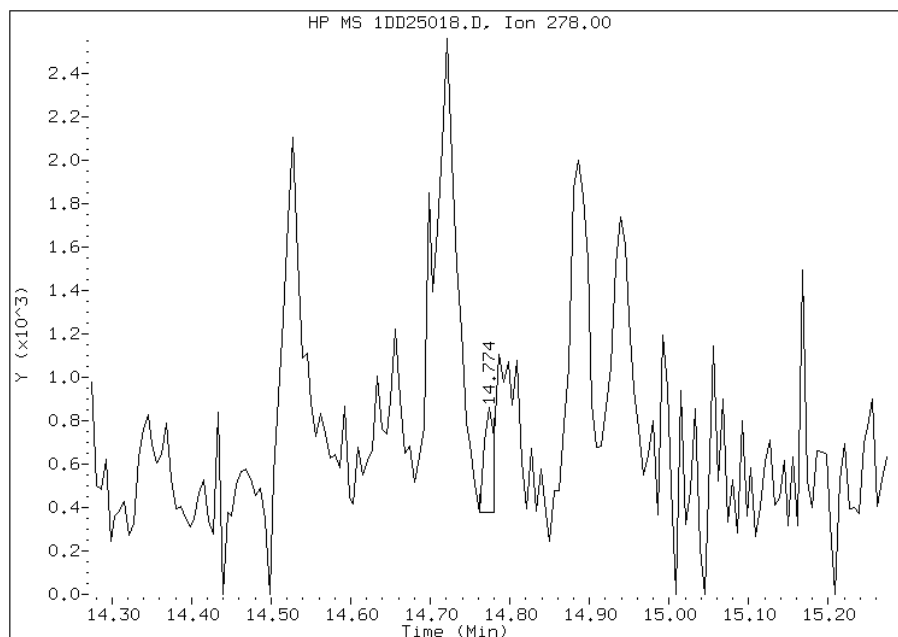
Manually Integrated By: cantins
Modification Date: 26-Apr-2013 16:00
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1DD25018.D
Inj. Date and Time: 25-APR-2013 19:56
Instrument ID: BSMSD.i
Client ID: CV1115B-CS
Compound: 24 Dibenzo(a,h)anthracene
CAS #: 53-70-3
Report Date: 04/26/2013

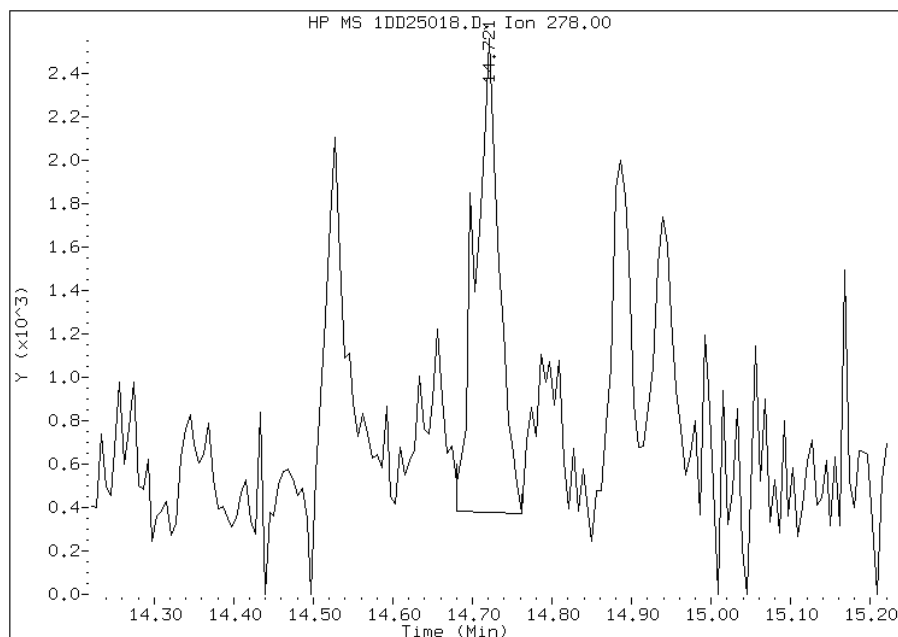
Processing Integration Results

RT: 14.77
Response: 412
Amount: 0
Conc: 1



Manual Integration Results

RT: 14.72
Response: 4556
Amount: 0
Conc: 7



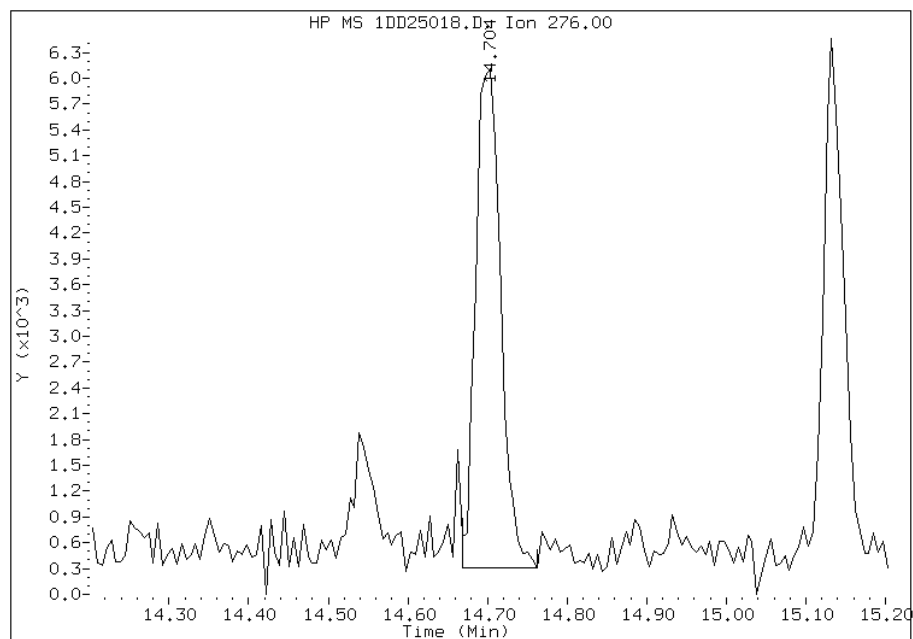
Manually Integrated By: cantins
Modification Date: 26-Apr-2013 16:00
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1DD25018.D
Inj. Date and Time: 25-APR-2013 19:56
Instrument ID: BSMSD.i
Client ID: CV1115B-CS
Compound: 23 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/26/2013

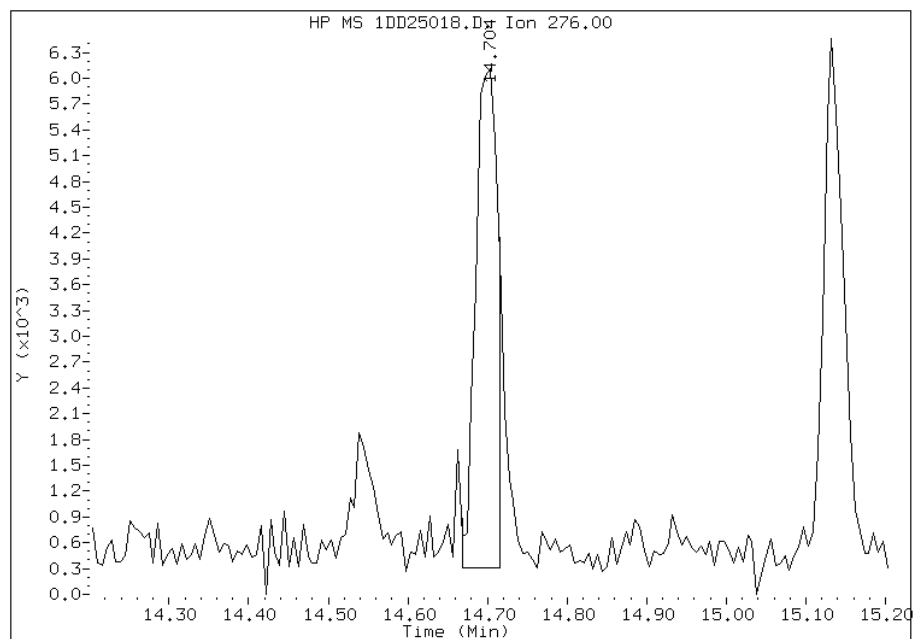
Processing Integration Results

RT: 14.70
Response: 12689
Amount: 0
Conc: 17



Manual Integration Results

RT: 14.70
Response: 11136
Amount: 0
Conc: 15



Manually Integrated By: cantins
Modification Date: 26-Apr-2013 16:01
Manual Integration Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-89516-1
 SDG No.: 68089516-1
 Client Sample ID: CV1178A-CS Lab Sample ID: 680-89516-18
 Matrix: Solid Lab File ID: 1DD25019.D
 Analysis Method: 8270C LL Date Collected: 04/17/2013 13:30
 Extract. Method: 3546 Date Extracted: 04/24/2013 09:50
 Sample wt/vol: 15.31(g) Date Analyzed: 04/25/2013 20:18
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 13.8 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 136899 Units: ug/Kg

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|----------|------------------------|--------|---|-----|-----|
| 83-32-9 | Acenaphthene | 29 | J | 110 | 23 |
| 208-96-8 | Acenaphthylene | 19 | J | 45 | 5.7 |
| 120-12-7 | Anthracene | 49 | | 9.5 | 4.8 |
| 56-55-3 | Benzo[a]anthracene | 180 | | 9.1 | 4.4 |
| 50-32-8 | Benzo[a]pyrene | 190 | | 12 | 5.9 |
| 205-99-2 | Benzo[b]fluoranthene | 350 | | 14 | 6.9 |
| 191-24-2 | Benzo[g,h,i]perylene | 100 | | 23 | 5.0 |
| 207-08-9 | Benzo[k]fluoranthene | 110 | | 9.1 | 4.1 |
| 218-01-9 | Chrysene | 200 | | 10 | 5.1 |
| 53-70-3 | Dibenz(a,h)anthracene | 37 | | 23 | 4.7 |
| 206-44-0 | Fluoranthene | 300 | | 23 | 4.5 |
| 86-73-7 | Fluorene | 16 | J | 23 | 4.7 |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 88 | | 23 | 8.1 |
| 90-12-0 | 1-Methylnaphthalene | 31 | J | 45 | 5.0 |
| 91-57-6 | 2-Methylnaphthalene | 41 | J | 45 | 8.1 |
| 91-20-3 | Naphthalene | 50 | | 45 | 5.0 |
| 85-01-8 | Phenanthrene | 190 | | 9.1 | 4.4 |
| 129-00-0 | Pyrene | 220 | | 23 | 4.2 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---------|-------------|------|---|--------|
| 84-15-1 | o-Terphenyl | 57 | | 30-130 |

TestAmerica Laboratories

Semivolatiles 8270 low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMSD.i\1D042513.b\1DD25019.D
 Lab Smp Id: 680-89516-A-18-A Client Smp ID: CV1178A-CS
 Inj Date : 25-APR-2013 20:18
 Operator : SCC Inst ID: BSMSD.i
 Smp Info : 680-89516-A-18-A
 Misc Info : 680-89516-A-18-A
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMSD.i\1D042513.b\dFASTPAHi.m
 Meth Date : 25-Apr-2013 12:42 cantins Quant Type: ISTD
 Cal Date : 04-APR-2013 16:04 Cal File: 1DD04013.D
 Als bottle: 19
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

Concentration Formula:

$$\text{Amt} * \text{DF} * 1/\text{Vi} * \text{Vt}/\text{Ws} * 100/(100 - \text{M}) * \text{A} * \text{B} * \text{C} * \text{D} * \text{GPC} * \text{CpndVariable}$$

| Name | Value | Description |
|---------------|----------|---|
| DF | 1.000 | Dilution Factor |
| Vi | 1.000 | Injection Volume |
| Vt | 1.000 | Final Volume |
| Ws | 15.310 | Weight Extracted |
| M | 13.793 | % Moisture |
| A | 1000.000 | uL to mL conversion |
| B | 1000.000 | g to kg conversion |
| C | 0.00100 | ng to ug conversion |
| D | 1.000 | ug to mg conversion(value = 1 if no conv) |
| GPC | 1.000 | GPC FACTOR |
| Cpnd Variable | | Local Compound Variable |

| Compounds | QUANT | SIG | CONCENTRATIONS | | | | |
|-----------------------|-------|--------|----------------|---------|----------|---------|---------|
| | | | ON-COLUMN | FINAL | | | |
| | MASS | RT | EXP RT | REL RT | RESPONSE | (ug/l) | (ug/Kg) |
| * 1 Naphthalene-d8 | 136 | 6.048 | 6.049 | (1.000) | 2488442 | 40.0000 | |
| * 6 Acenaphthene-d10 | 164 | 7.734 | 7.729 | (1.000) | 1614503 | 40.0000 | |
| * 9 Phenanthrene-d10 | 188 | 8.997 | 8.992 | (1.000) | 2721871 | 40.0000 | |
| \$ 13 o-Terphenyl | 230 | 9.297 | 9.298 | (1.033) | 234865 | 5.72682 | 430 |
| * 17 Chrysene-d12 | 240 | 11.312 | 11.307 | (1.000) | 2848607 | 40.0000 | |
| * 22 Perylene-d12 | 264 | 13.140 | 13.129 | (1.000) | 2565332 | 40.0000 | |
| 2 Naphthalene | 128 | 6.071 | 6.072 | (1.004) | 40982 | 0.66259 | 50 |
| 3 2-Methylnaphthalene | 142 | 6.776 | 6.777 | (1.120) | 21807 | 0.54617 | 41 |
| 4 1-Methylnaphthalene | 142 | 6.870 | 6.871 | (1.136) | 15671 | 0.41562 | 31 |
| 5 Acenaphthylene | 152 | 7.599 | 7.600 | (0.983) | 17052 | 0.24954 | 19 |
| 7 Acenaphthene | 154 | 7.758 | 7.759 | (1.003) | 16125 | 0.38229 | 29 |
| 8 Fluorene | 166 | 8.198 | 8.199 | (1.060) | 10732 | 0.21486 | 16 |
| 10 Phenanthrene | 178 | 9.009 | 9.010 | (1.001) | 188886 | 2.51939 | 190 |
| 11 Anthracene | 178 | 9.050 | 9.051 | (1.006) | 47705 | 0.64109 | 48 |

| Compounds | QUANT SIG | | CONCENTRATIONS | | | | |
|---------------------------|-----------|--------|----------------|---------|----------|----------------------|------------------|
| | MASS | RT | EXP RT | REL RT | RESPONSE | ON-COLUMN (ug/l) | FINAL (ug/Kg) |
| ----- | ---- | ---- | ----- | ----- | ----- | ----- | ----- |
| 12 Carbazole | 167 | 9.191 | 9.192 | (1.022) | 29337 | 0.44696 | 34 |
| 14 Fluoranthene | 202 | 9.996 | 9.997 | (1.111) | 302526 | 3.92122 | 300 |
| 15 Pyrene | 202 | 10.184 | 10.185 | (0.900) | 249517 | 2.91684 | 220 |
| 16 Benzo(a)anthracene | 228 | 11.295 | 11.284 | (0.998) | 197191 | 2.39429 | 180 |
| 18 Chrysene | 228 | 11.330 | 11.331 | (1.002) | 202047 | 2.61640 | 200 |
| 19 Benzo(b)fluoranthene | 252 | 12.587 | 12.582 | (0.958) | 296068 | 4.62010 | 350 |
| 20 Benzo(k)fluoranthene | 252 | 12.617 | 12.623 | (0.960) | 102249 | 1.51455 | 110 |
| 21 Benzo(a)pyrene | 252 | 13.034 | 13.035 | (0.992) | 163475 | 2.53890 | 190 |
| 23 Indeno(1,2,3-cd)pyrene | 276 | 14.720 | 14.715 | (1.120) | 79731 | 1.16130 | 88(M) |
| 24 Dibenzo(a,h)anthracene | 278 | 14.732 | 14.744 | (1.121) | 31868 | 0.49291 | 37 |
| 25 Benzo(g,h,i)perylene | 276 | 15.161 | 15.156 | (1.154) | 90008 | 1.36155 | 100 |

QC Flag Legend

M - Compound response manually integrated.

Data File: 1DD25019.D

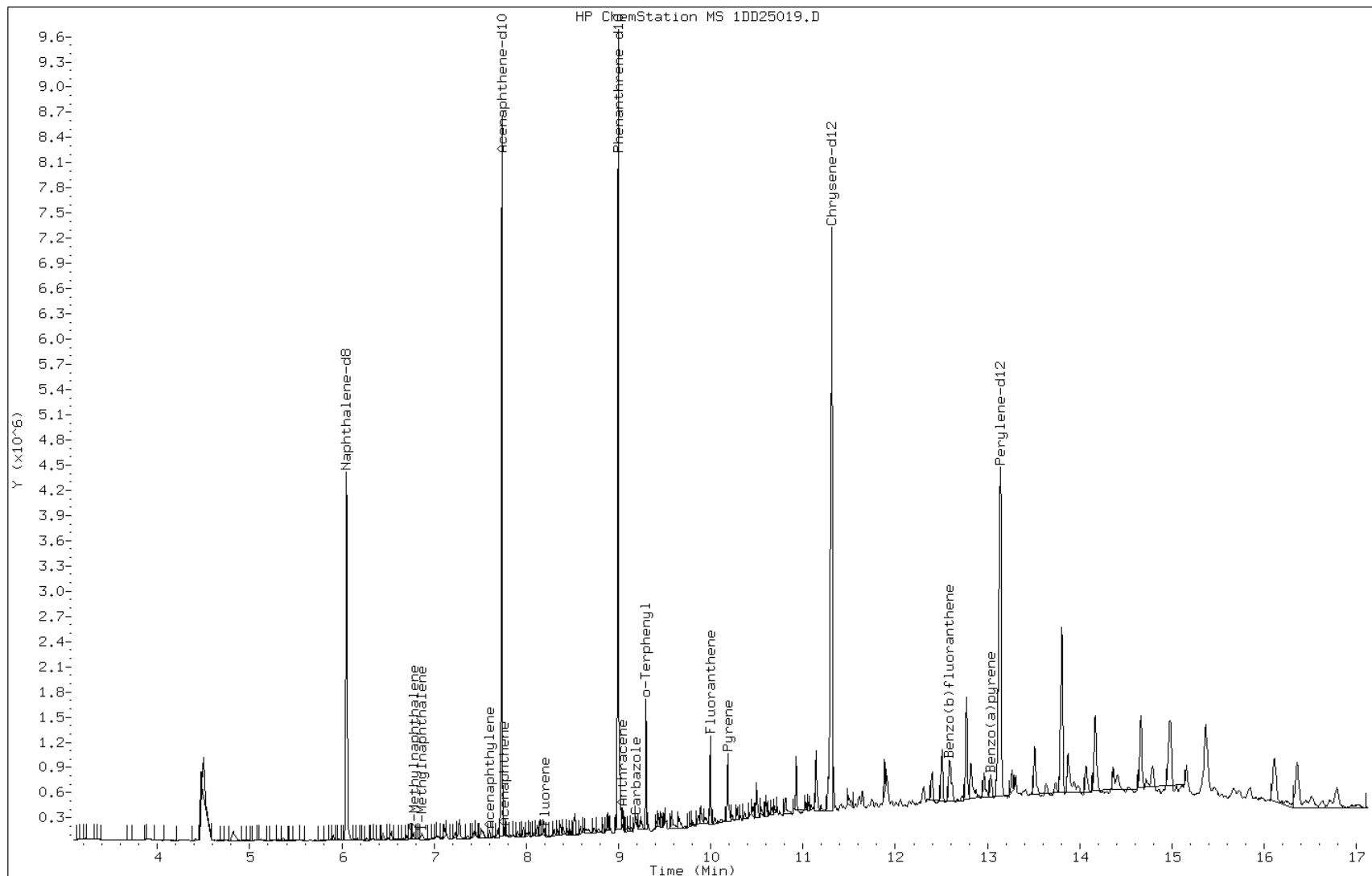
Date: 25-APR-2013 20:18

Client ID: CV1178A-CS

Instrument: BSMSD.i

Sample Info: 680-89516-A-18-A

Operator: SCC



Data File: 1DD25019.D

Date: 25-APR-2013 20:18

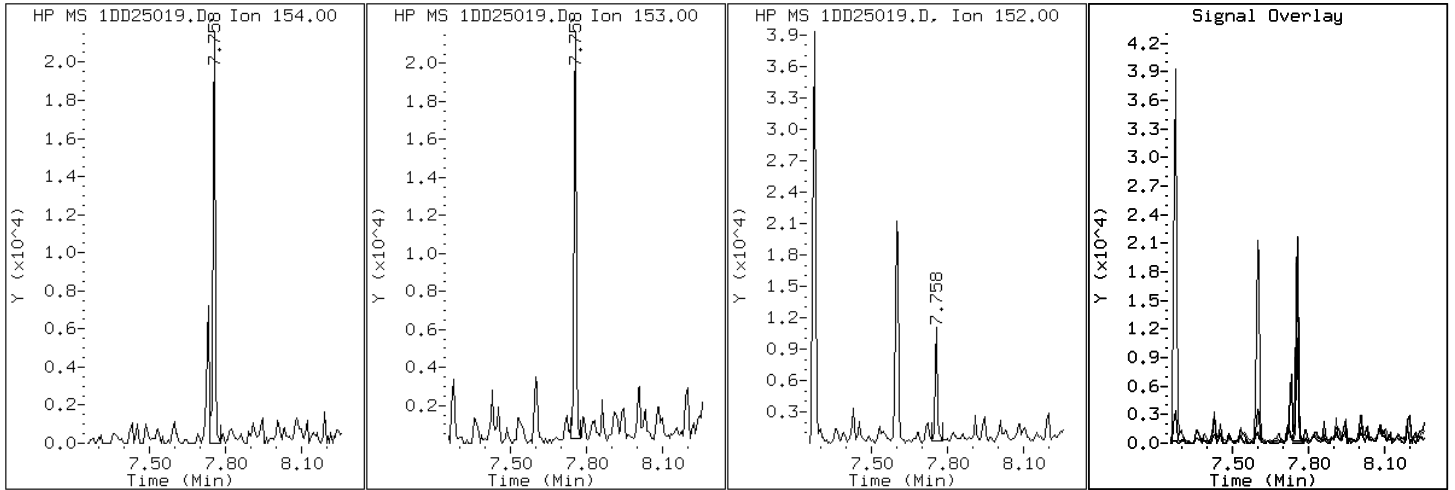
Client ID: CV1178A-CS

Instrument: BSMSD.i

Sample Info: 680-89516-A-18-A

Operator: SCC

7 Acenaphthene



Data File: 1DD25019.D

Date: 25-APR-2013 20:18

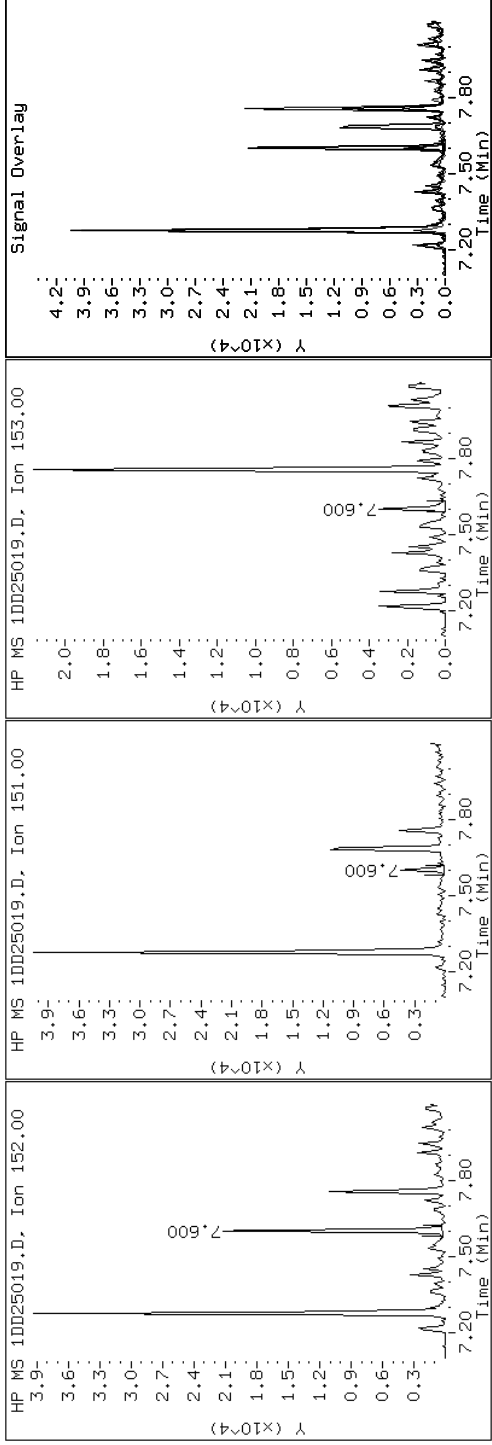
Client ID: CV1178A-CS

Instrument: BSMDS.i

Sample Info: 680-89516-A-18-A

Operator: SCC

5 Acenaphthylene



Data File: 1DD25019.D

Date: 25-APR-2013 20:18

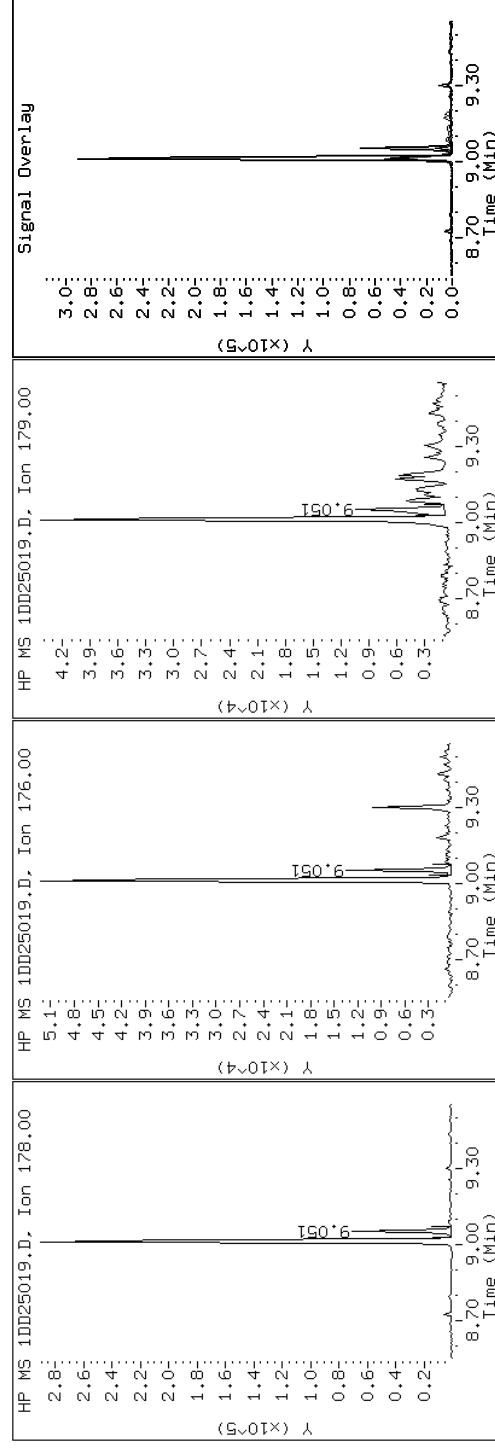
Client ID: CV1178A-CS

Instrument: BSMSD.i

Sample Info: 680-89516-A-18-A

Operator: SCC

11 Anthracene



Data File: 1DD25019.D

Date: 25-APR-2013 20:18

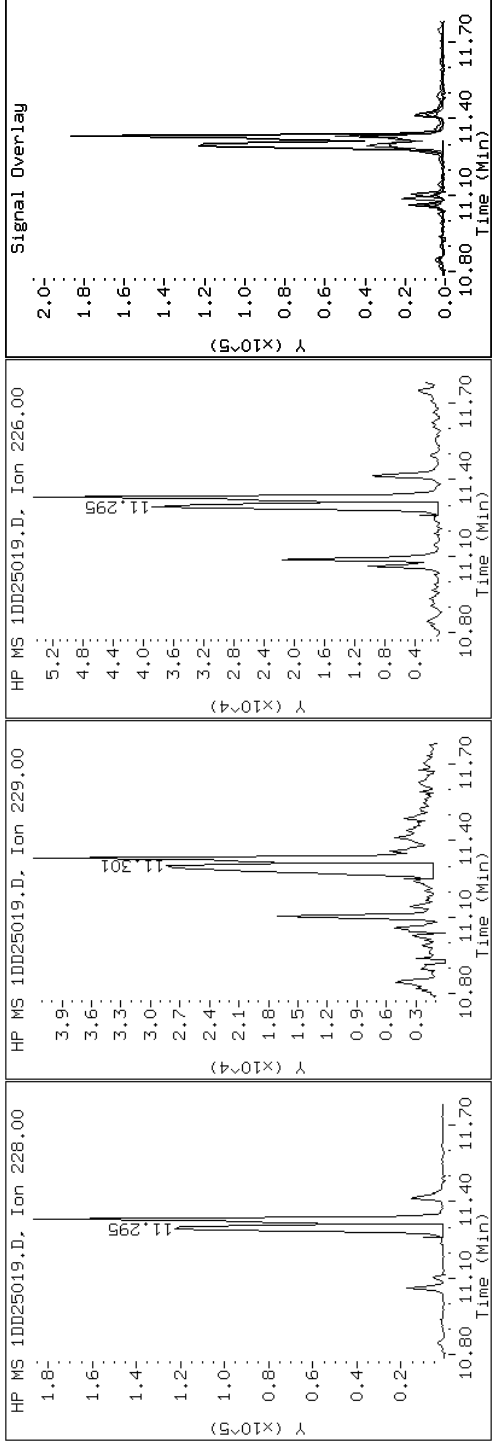
Client ID: CV1178A-CS

Instrument: BSMSD.i

Sample Info: 680-89516-A-18-A

Operator: SCC

16 Benzo(a)anthracene



Data File: 1DD25019.D

Date: 25-APR-2013 20:18

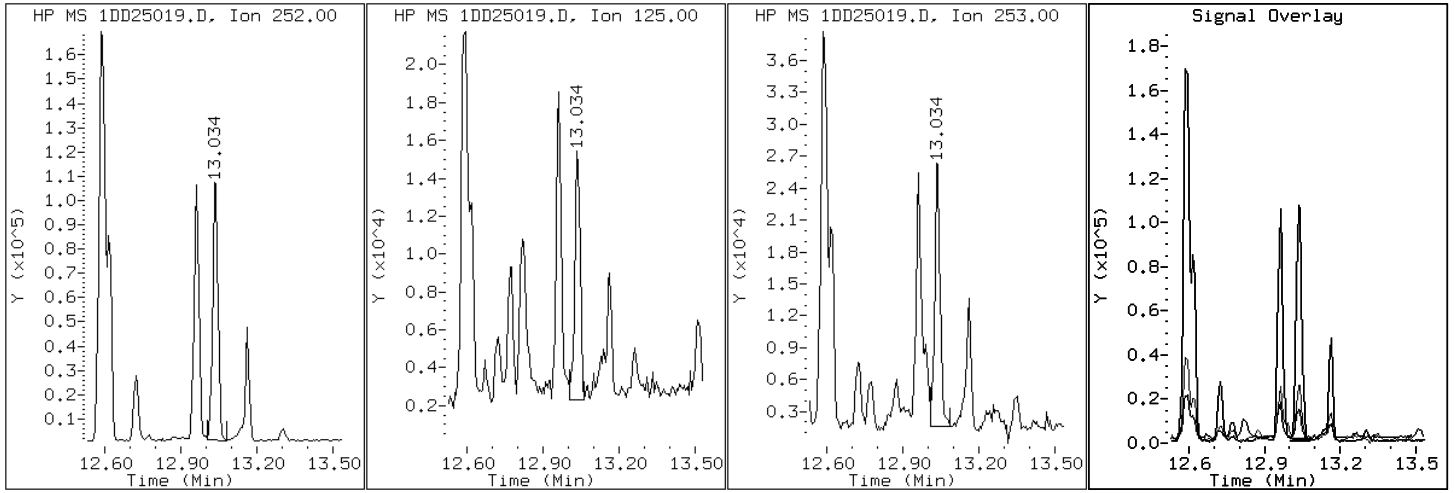
Client ID: CV1178A-CS

Instrument: BSMSD.i

Sample Info: 680-89516-A-18-A

Operator: SCC

21 Benzo(a)pyrene



Data File: 1DD25019.D

Date: 25-APR-2013 20:18

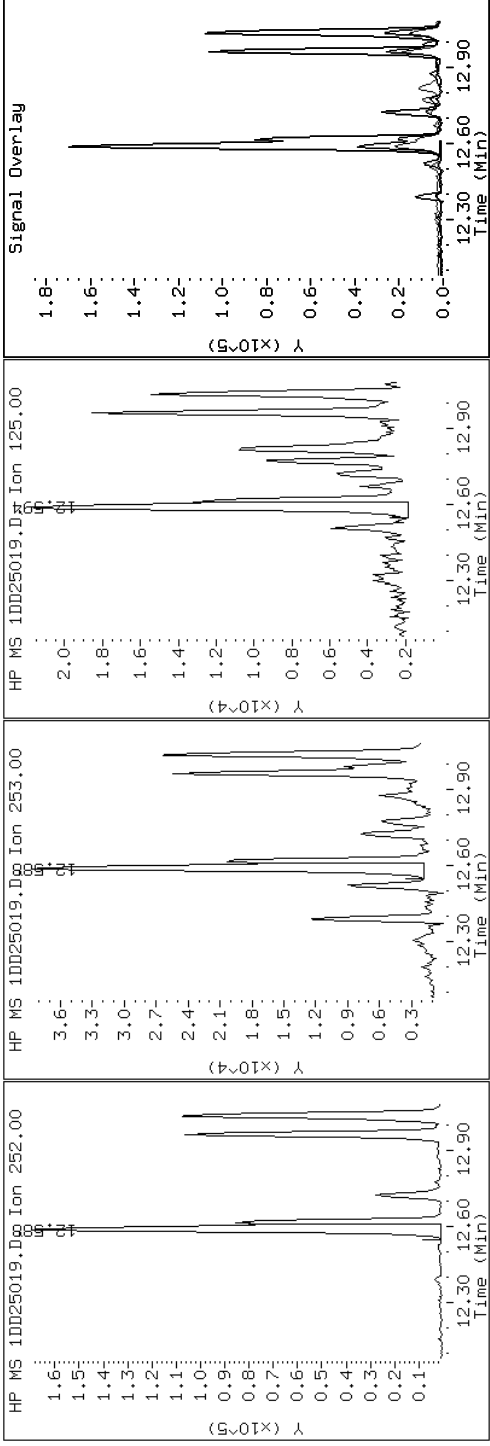
Client ID: CV1178A-CS

Instrument: BSMDS.i

Sample Info: 680-89516-A-18-A

Operator: SCC

19 Benzo(b)fluoranthene



Data File: 1DD25019.D

Date: 25-APR-2013 20:18

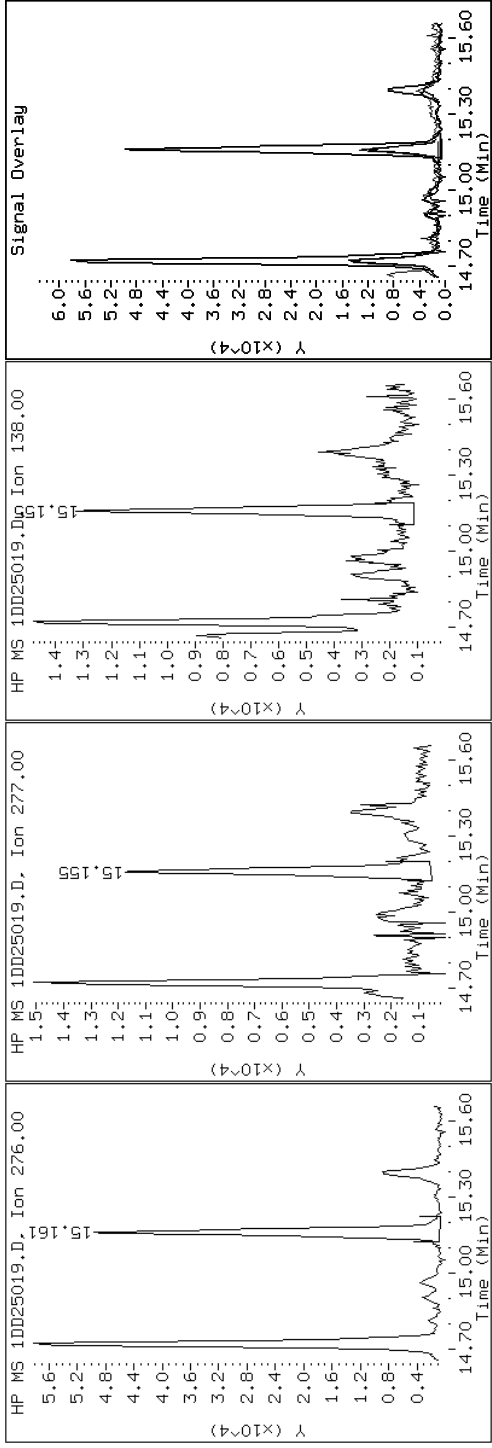
Client ID: CV1178A-CS

Instrument: BSMDS.i

Sample Info: 680-89516-A-18-A

Operator: SCC

25 Benzo(g,h,i)perylene



Data File: 1DD25019.D

Date: 25-APR-2013 20:18

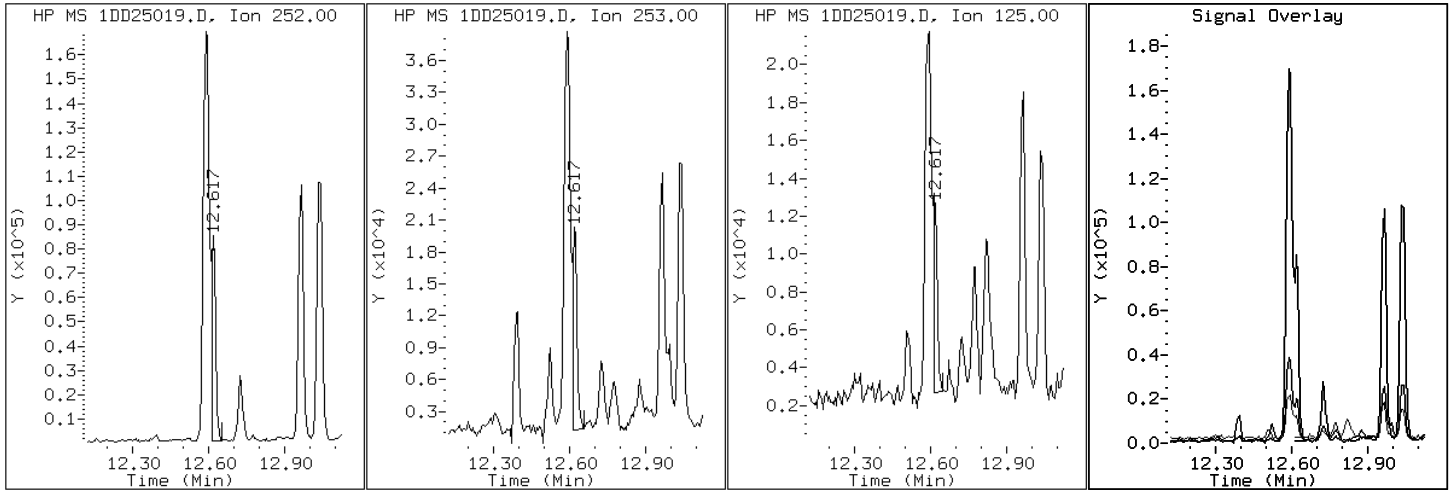
Client ID: CV1178A-CS

Instrument: BSMSD.i

Sample Info: 680-89516-A-18-A

Operator: SCC

20 Benzo(k)fluoranthene



Data File: 1DD25019.D

Date: 25-APR-2013 20:18

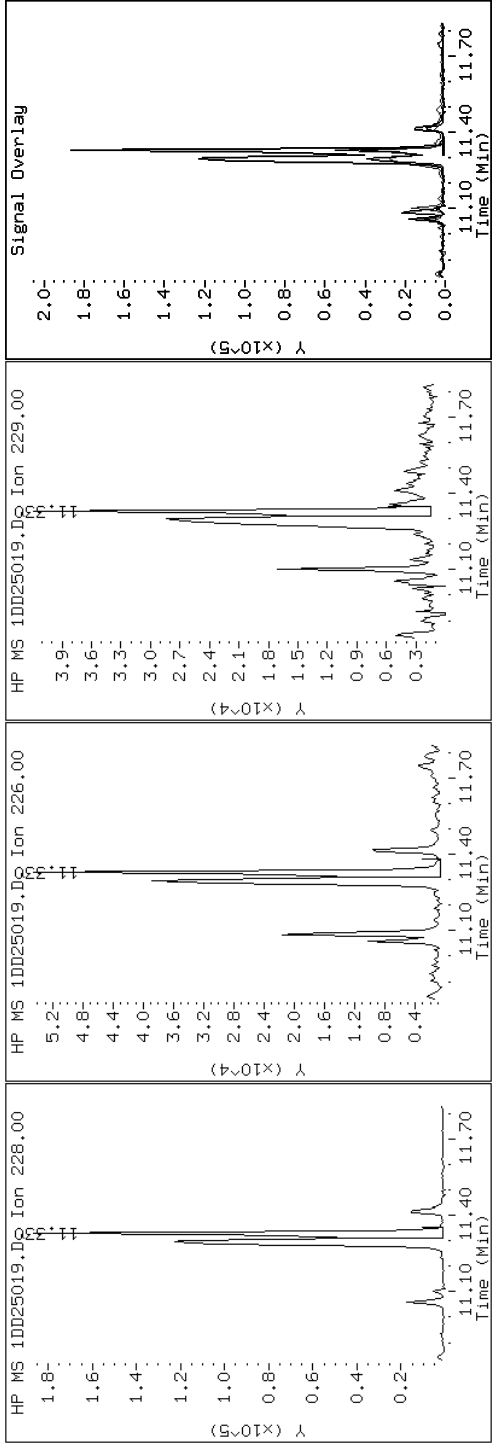
Client ID: CV1178A-CS

Instrument: BSMDS.i

Sample Info: 680-89516-A-18-A

Operator: SCC

18 Chrysene



Data File: 1DD25019.D

Date: 25-APR-2013 20:18

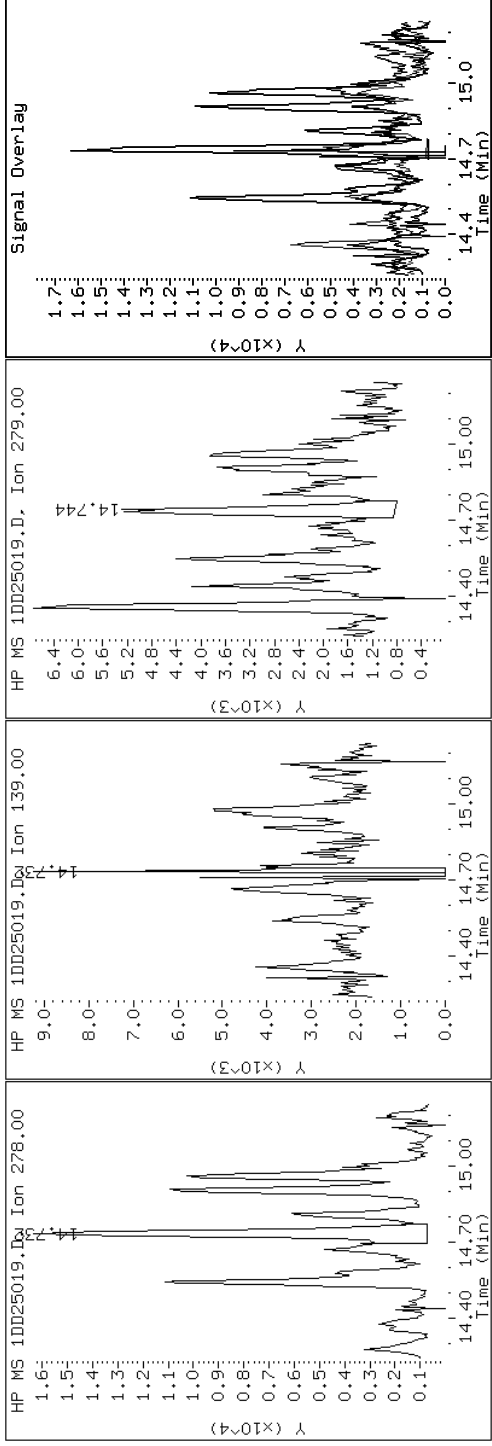
Client ID: CV1178A-CS

Instrument: BSMSD.i

Sample Info: 680-89516-A-18-A

Operator: SCC

24 Dibenzo(a,h)anthracene



Data File: 1DD25019.D

Date: 25-APR-2013 20:18

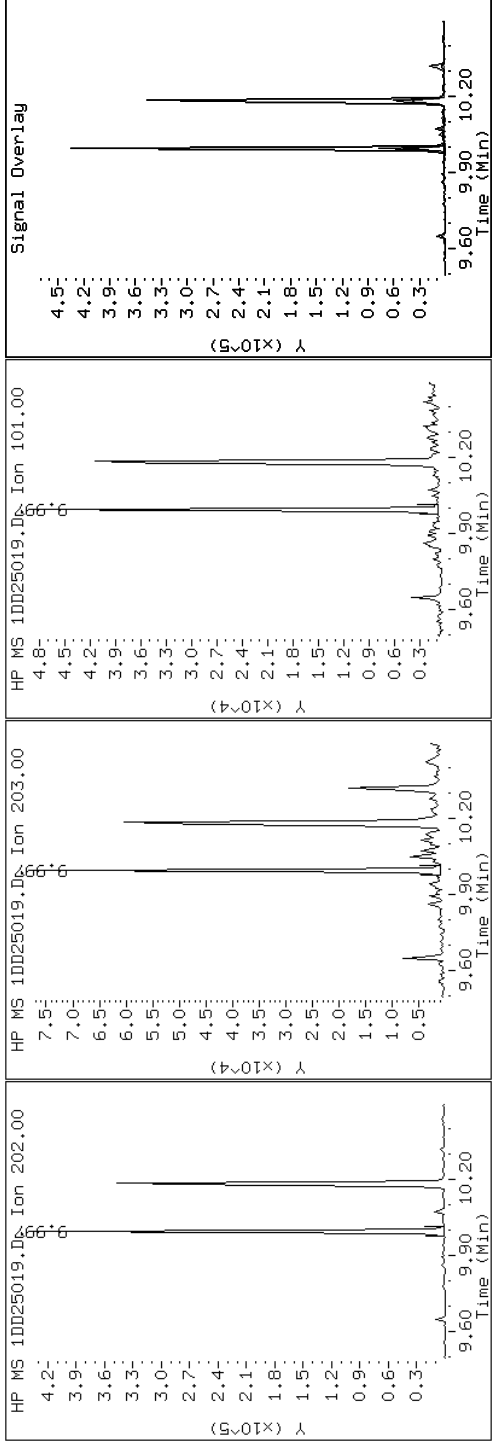
Client ID: CV1178A-CS

Instrument: BSMDS.i

Sample Info: 680-89516-A-18-A

Operator: SCC

14 Fluoranthene



Data File: 1DD25019.D

Date: 25-APR-2013 20:18

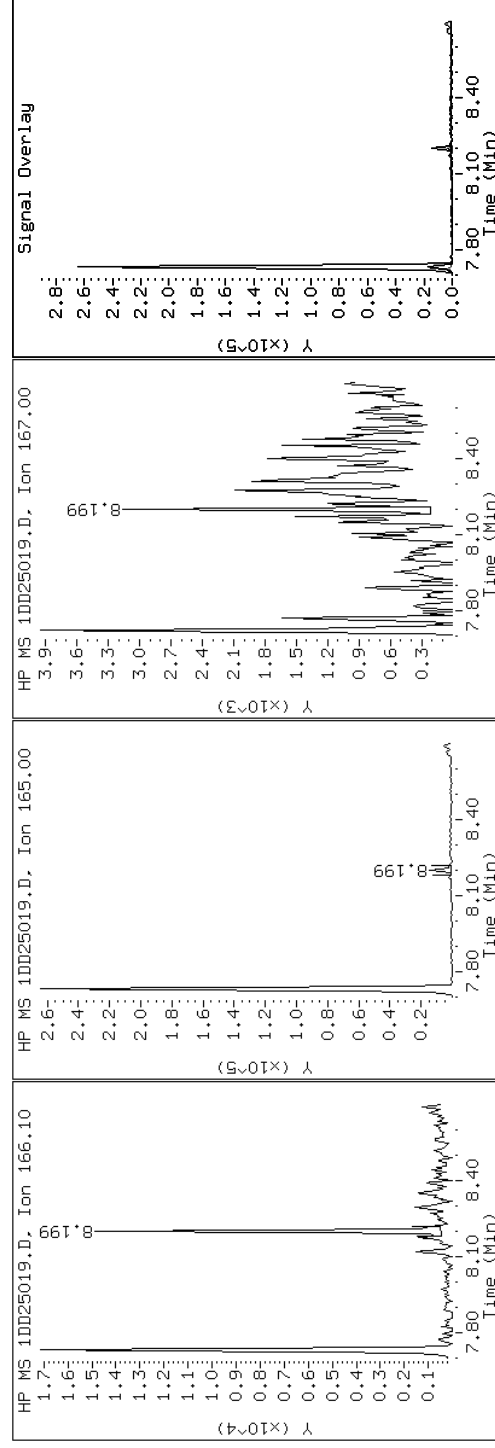
Client ID: CV1178A-CS

Instrument: BSMDS.i

Sample Info: 680-89516-A-18-A

Operator: SCC

8 Fluorene



Data File: 1DD25019.D

Date: 25-APR-2013 20:18

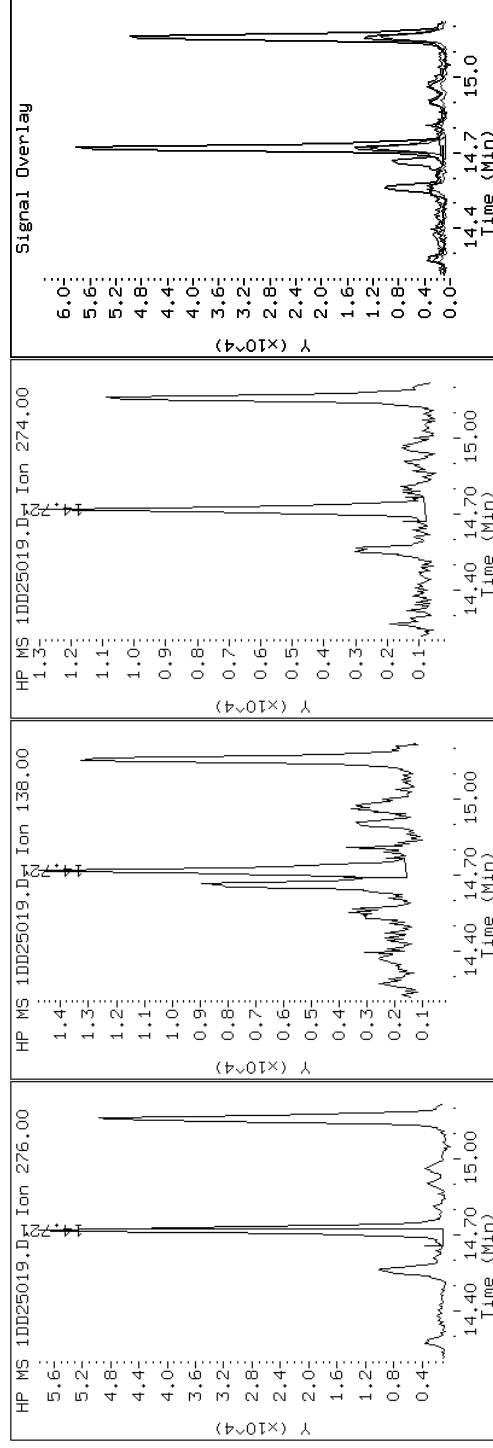
Client ID: CV1178A-CS

Instrument: BSMMSD.i

Sample Info: 680-89516-A-18-A

Operator: SCC

23 Indeno(1,2,3-cd)pyrene



Data File: 1DD25019.D

Date: 25-APR-2013 20:18

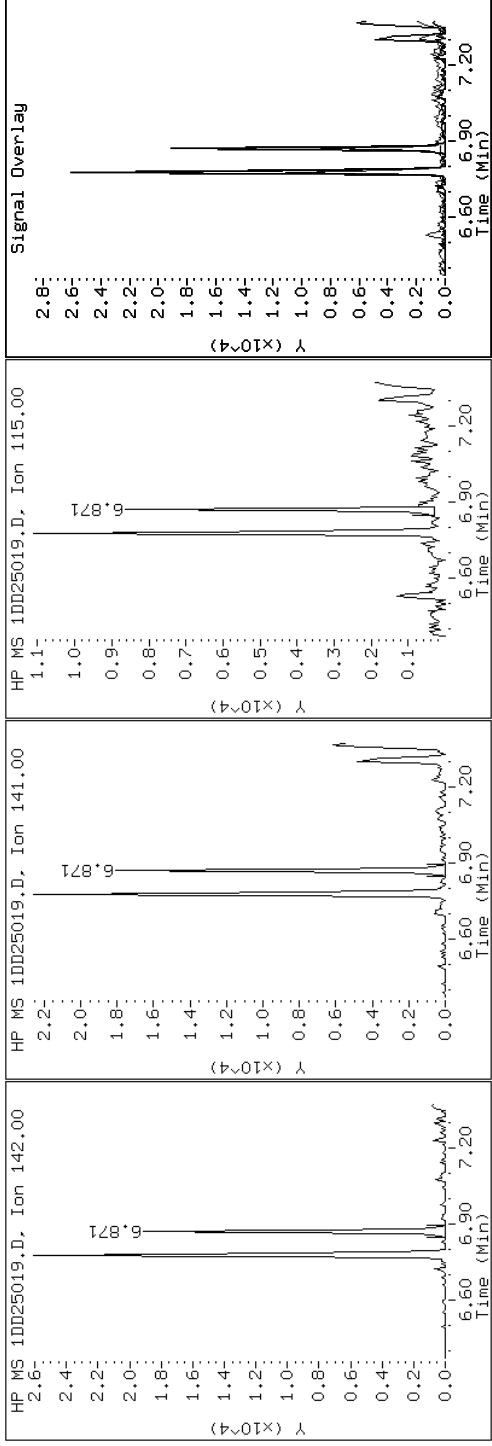
Client ID: CV1178A-CS

Instrument: BSMDS.i

Sample Info: 680-89516-A-18-A

Operator: SCC

4 1-Methylnaphthalene



Data File: 1DD25019.D

Date: 25-APR-2013 20:18

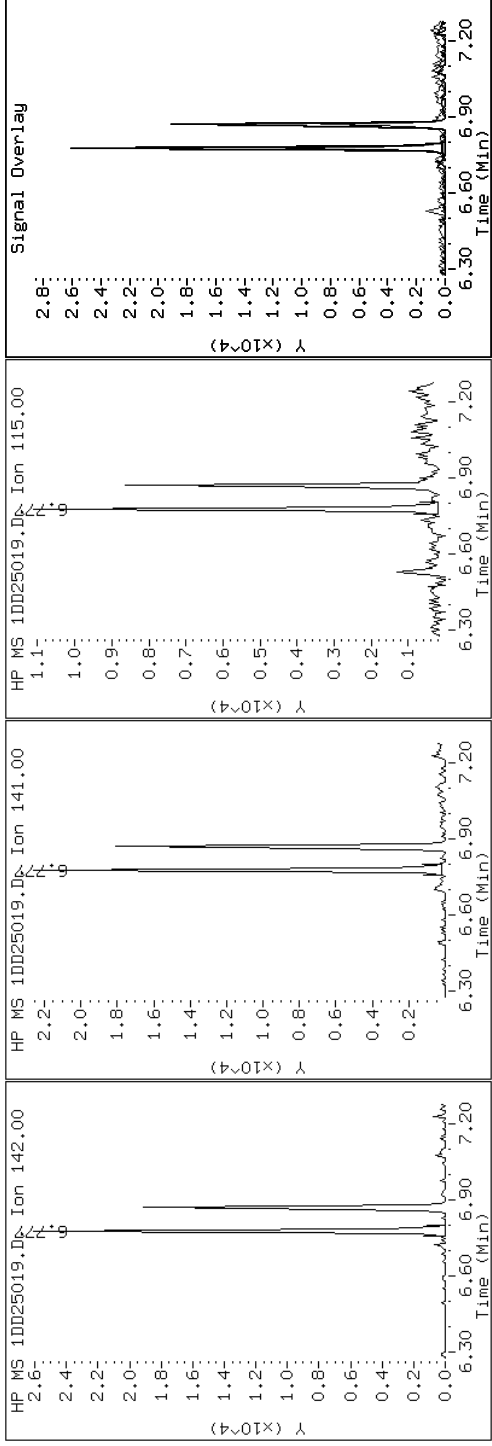
Client ID: CV1178A-CS

Instrument: BSMDS.i

Sample Info: 680-89516-A-18-A

Operator: SCC

3 2-Methylnaphthalene



Data File: 1DD25019.D

Date: 25-APR-2013 20:18

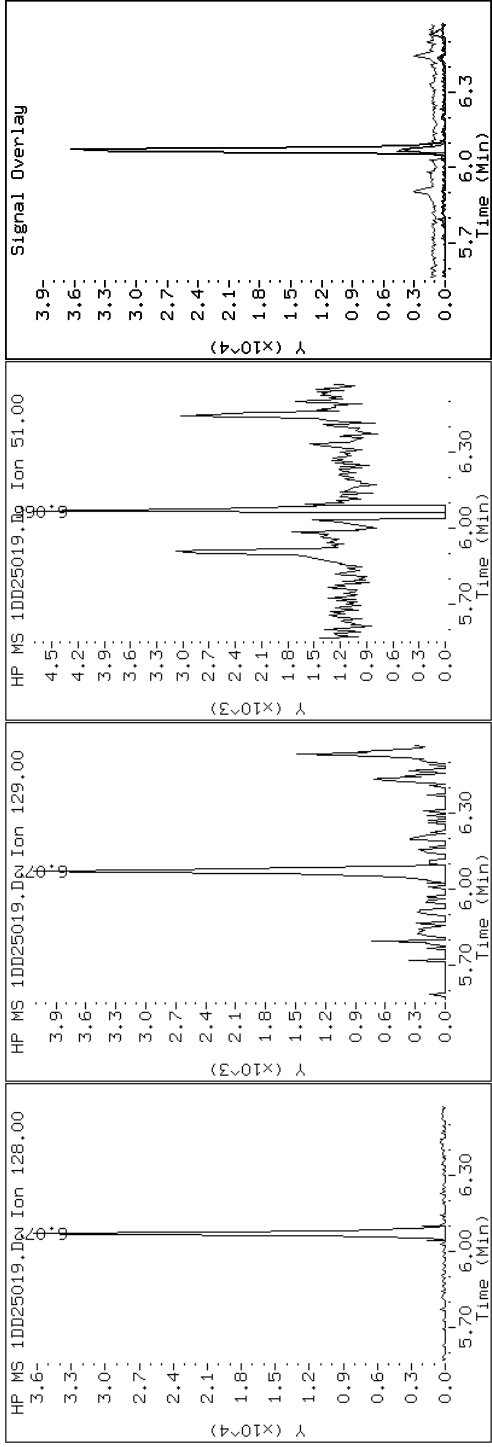
Client ID: CV1178A-CS

Instrument: BSMSD.i

Sample Info: 680-89516-A-18-A

Operator: SCC

2 Naphthalene



Data File: 1DD25019.D

Date: 25-APR-2013 20:18

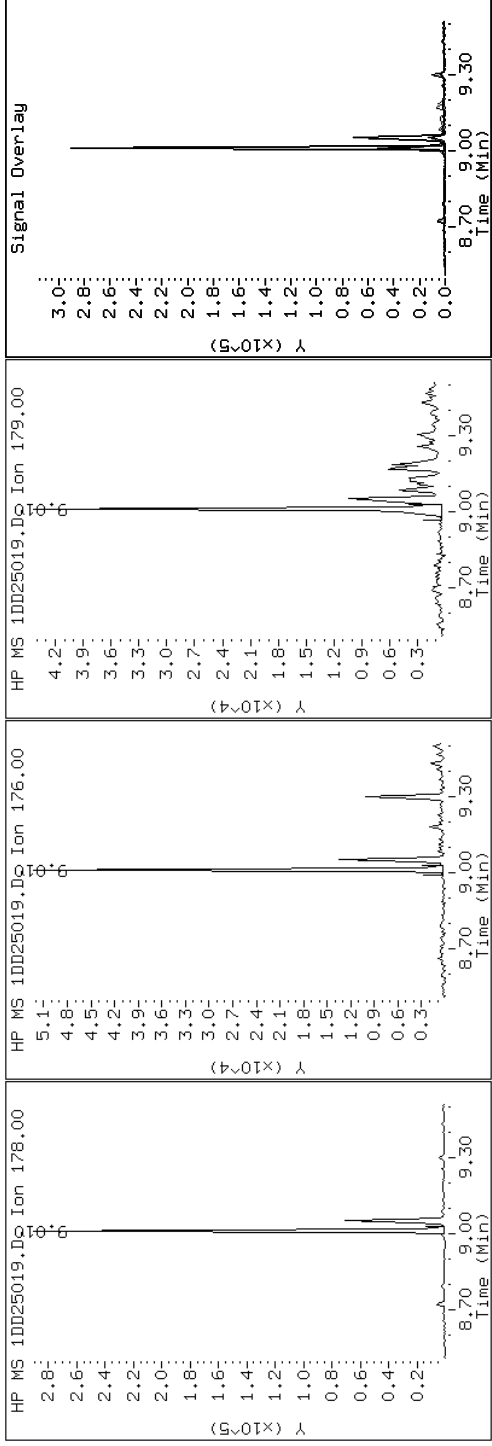
Client ID: CV1178A-CS

Instrument: BSMSD.i

Sample Info: 680-89516-A-18-A

Operator: SCC

10 Phenanthrene



Data File: 1DD25019.D

Date: 25-APR-2013 20:18

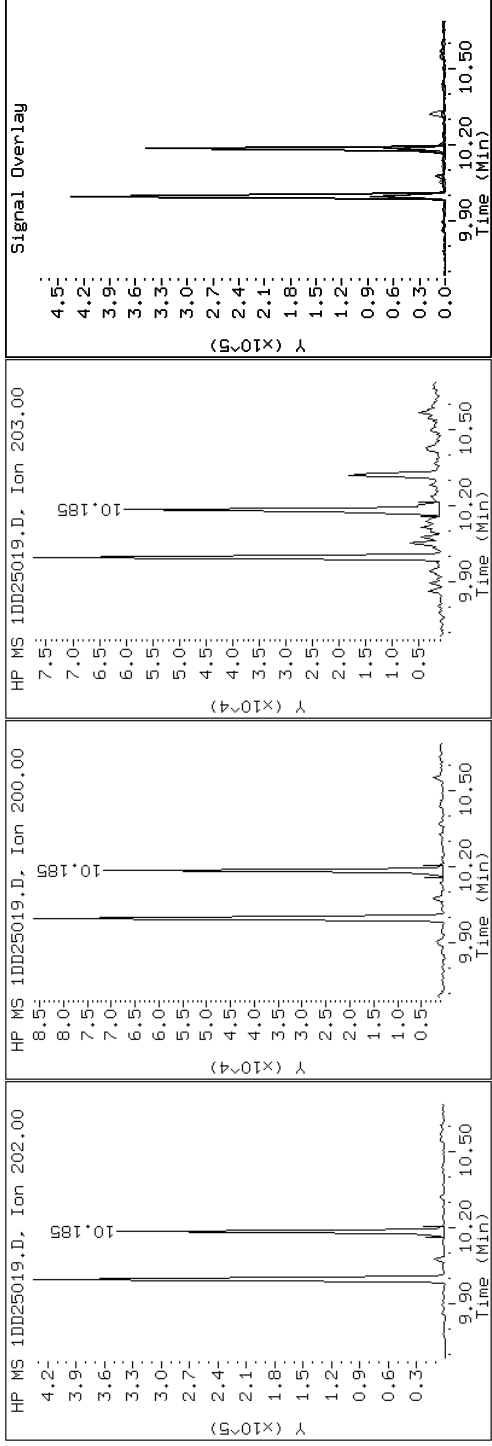
Client ID: CV1178A-CS

Instrument: BSMSD.i

Sample Info: 680-89516-A-18-A

Operator: SCC

15 Pyrene

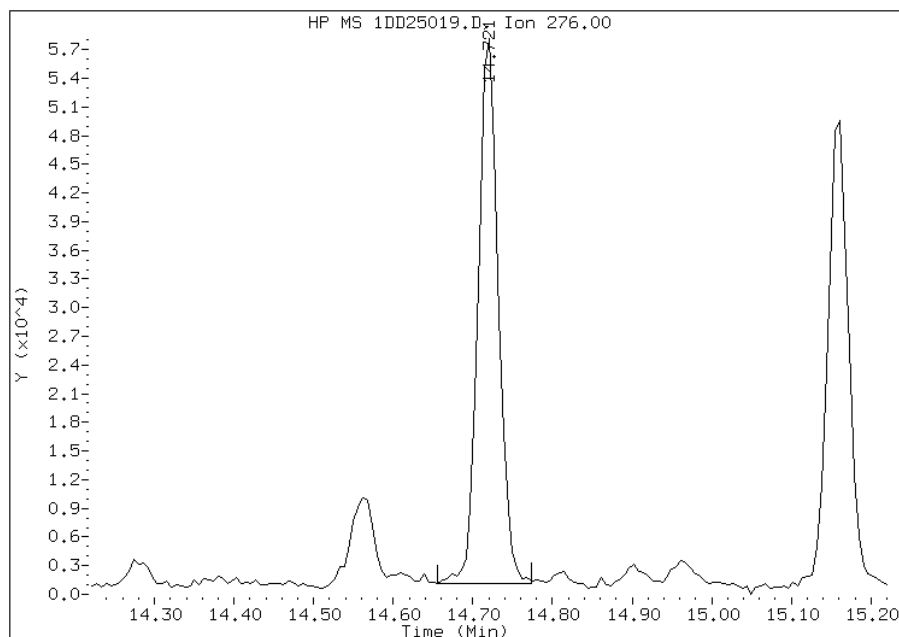


Manual Integration Report

Data File: 1DD25019.D
Inj. Date and Time: 25-APR-2013 20:18
Instrument ID: BSMSD.i
Client ID: CV1178A-CS
Compound: 23 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/26/2013

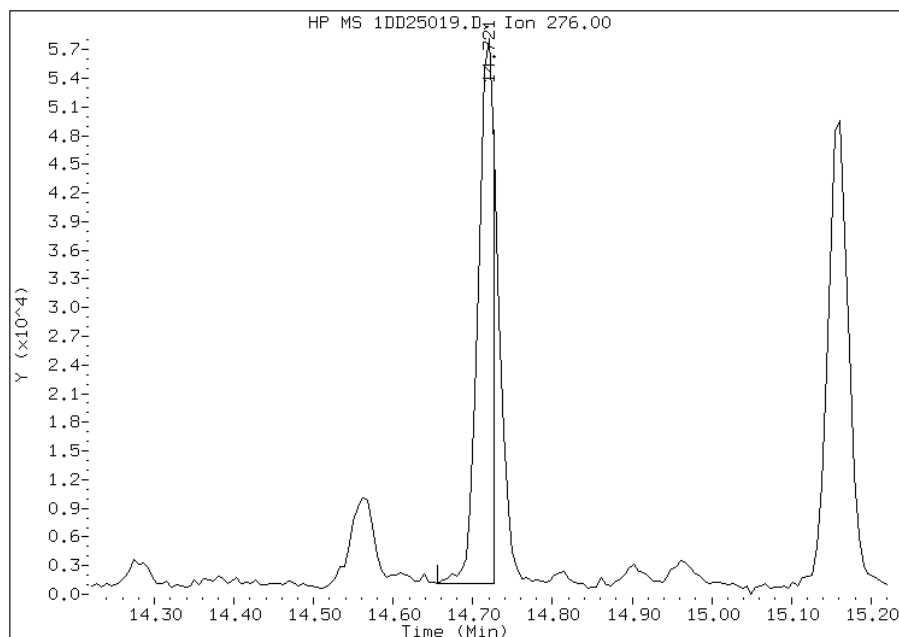
Processing Integration Results

RT: 14.72
Response: 100209
Amount: 1
Conc: 111



Manual Integration Results

RT: 14.72
Response: 79731
Amount: 1
Conc: 88



Manually Integrated By: cantins
Modification Date: 26-Apr-2013 16:13
Manual Integration Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-89516-1
 SDG No.: 68089516-1
 Client Sample ID: CV1178B-CS Lab Sample ID: 680-89516-19
 Matrix: Solid Lab File ID: 1DD25020.D
 Analysis Method: 8270C LL Date Collected: 04/17/2013 13:40
 Extract. Method: 3546 Date Extracted: 04/24/2013 09:50
 Sample wt/vol: 15.16(g) Date Analyzed: 04/25/2013 20:41
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 25.3 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 136899 Units: ug/Kg

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|----------|------------------------|--------|---|-----|-----|
| 83-32-9 | Acenaphthene | 130 | U | 130 | 26 |
| 208-96-8 | Acenaphthylene | 21 | J | 53 | 6.6 |
| 120-12-7 | Anthracene | 46 | | 11 | 5.6 |
| 56-55-3 | Benzo[a]anthracene | 170 | | 11 | 5.2 |
| 50-32-8 | Benzo[a]pyrene | 120 | | 14 | 6.9 |
| 205-99-2 | Benzo[b]fluoranthene | 240 | | 16 | 8.1 |
| 191-24-2 | Benzo[g,h,i]perylene | 89 | | 26 | 5.8 |
| 207-08-9 | Benzo[k]fluoranthene | 59 | | 11 | 4.8 |
| 218-01-9 | Chrysene | 240 | | 12 | 6.0 |
| 53-70-3 | Dibenz(a,h)anthracene | 30 | | 26 | 5.4 |
| 206-44-0 | Fluoranthene | 230 | | 26 | 5.3 |
| 86-73-7 | Fluorene | 17 | J | 26 | 5.4 |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 45 | | 26 | 9.4 |
| 90-12-0 | 1-Methylnaphthalene | 400 | | 53 | 5.8 |
| 91-57-6 | 2-Methylnaphthalene | 530 | | 53 | 9.4 |
| 91-20-3 | Naphthalene | 370 | | 53 | 5.8 |
| 85-01-8 | Phenanthrene | 400 | | 11 | 5.2 |
| 129-00-0 | Pyrene | 200 | | 26 | 4.9 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---------|-------------|------|---|--------|
| 84-15-1 | o-Terphenyl | 58 | | 30-130 |

TestAmerica Laboratories

Semivolatiles 8270 low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMSD.i\1D042513.b\1DD25020.D
 Lab Smp Id: 680-89516-A-19-A Client Smp ID: CV1178B-CS
 Inj Date : 25-APR-2013 20:41
 Operator : SCC Inst ID: BSMSD.i
 Smp Info : 680-89516-A-19-A
 Misc Info : 680-89516-A-19-A
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMSD.i\1D042513.b\dFASTPAHi.m
 Meth Date : 25-Apr-2013 12:42 cantins Quant Type: ISTD
 Cal Date : 04-APR-2013 16:04 Cal File: 1DD04013.D
 Als bottle: 20
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

Concentration Formula:

$$\text{Amt} * \text{DF} * 1/\text{Vi} * \text{Vt}/\text{Ws} * 100/(100 - \text{M}) * \text{A} * \text{B} * \text{C} * \text{D} * \text{GPC} * \text{CpndVariable}$$

| Name | Value | Description |
|---------------|----------|---|
| DF | 1.000 | Dilution Factor |
| Vi | 1.000 | Injection Volume |
| Vt | 1.000 | Final Volume |
| Ws | 15.160 | Weight Extracted |
| M | 25.259 | % Moisture |
| A | 1000.000 | uL to mL conversion |
| B | 1000.000 | g to kg conversion |
| C | 0.00100 | ng to ug conversion |
| D | 1.000 | ug to mg conversion(value = 1 if no conv) |
| GPC | 1.000 | GPC FACTOR |
| Cpnd Variable | | Local Compound Variable |

| Compounds | QUANT | SIG | CONCENTRATIONS | | | | |
|-----------------------|-------|--------|----------------|---------|----------|---------|---------|
| | | | ON-COLUMN | FINAL | | | |
| | MASS | RT | EXP RT | REL RT | RESPONSE | (ug/l) | (ug/Kg) |
| * 1 Naphthalene-d8 | 136 | 6.050 | 6.049 | (1.000) | 2609938 | 40.0000 | |
| * 6 Acenaphthene-d10 | 164 | 7.737 | 7.729 | (1.000) | 1728981 | 40.0000 | |
| * 9 Phenanthrene-d10 | 188 | 9.000 | 8.992 | (1.000) | 2923098 | 40.0000 | |
| \$ 13 o-Terphenyl | 230 | 9.300 | 9.298 | (1.033) | 255228 | 5.79492 | 510 |
| * 17 Chrysene-d12 | 240 | 11.321 | 11.307 | (1.000) | 3014117 | 40.0000 | |
| * 22 Perylene-d12 | 264 | 13.154 | 13.129 | (1.000) | 2597219 | 40.0000 | |
| 2 Naphthalene | 128 | 6.074 | 6.072 | (1.004) | 270561 | 4.17073 | 370 |
| 3 2-Methylnaphthalene | 142 | 6.779 | 6.777 | (1.120) | 250792 | 5.98885 | 530 |
| 4 1-Methylnaphthalene | 142 | 6.873 | 6.871 | (1.136) | 181445 | 4.58820 | 400 |
| 5 Acenaphthylene | 152 | 7.602 | 7.600 | (0.983) | 17178 | 0.23474 | 21(Q) |
| 8 Fluorene | 166 | 8.201 | 8.199 | (1.060) | 10040 | 0.18770 | 16(Q) |
| 10 Phenanthrene | 178 | 9.012 | 9.010 | (1.001) | 363593 | 4.51580 | 400 |
| 11 Anthracene | 178 | 9.053 | 9.051 | (1.006) | 41456 | 0.51876 | 46 |
| 12 Carbazole | 167 | 9.200 | 9.192 | (1.022) | 26576 | 0.37702 | 33 |

| Compounds | QUANT SIG | CONCENTRATIONS | | | | | |
|---------------------------|-----------|----------------|--------|---------|--------|----------|-------------------|
| | | MASS | RT | EXP RT | REL RT | RESPONSE | ON-COLUMN (ug/l) |
| 14 Fluoranthene | 202 | 9.999 | 9.997 | (1.111) | 217895 | 2.62985 | 230 |
| 15 Pyrene | 202 | 10.187 | 10.185 | (0.900) | 210053 | 2.32068 | 200 |
| 16 Benzo(a)anthracene | 228 | 11.303 | 11.284 | (0.998) | 166928 | 1.91554 | 170 |
| 18 Chrysene | 228 | 11.338 | 11.331 | (1.002) | 222584 | 2.72406 | 240 |
| 19 Benzo(b)fluoranthene | 252 | 12.602 | 12.582 | (0.958) | 173095 | 2.66796 | 240 |
| 20 Benzo(k)fluoranthene | 252 | 12.631 | 12.623 | (0.960) | 45739 | 0.66918 | 59(Q) |
| 21 Benzo(a)pyrene | 252 | 13.048 | 13.035 | (0.992) | 88414 | 1.35628 | 120 |
| 23 Indeno(1,2,3-cd)pyrene | 276 | 14.740 | 14.715 | (1.121) | 35706 | 0.51368 | 45(M) |
| 24 Dibenzo(a,h)anthracene | 278 | 14.758 | 14.744 | (1.122) | 21978 | 0.33576 | 30 |
| 25 Benzo(g,h,i)perylene | 276 | 15.181 | 15.156 | (1.154) | 67134 | 1.00307 | 88 |

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: 1DD25020.D

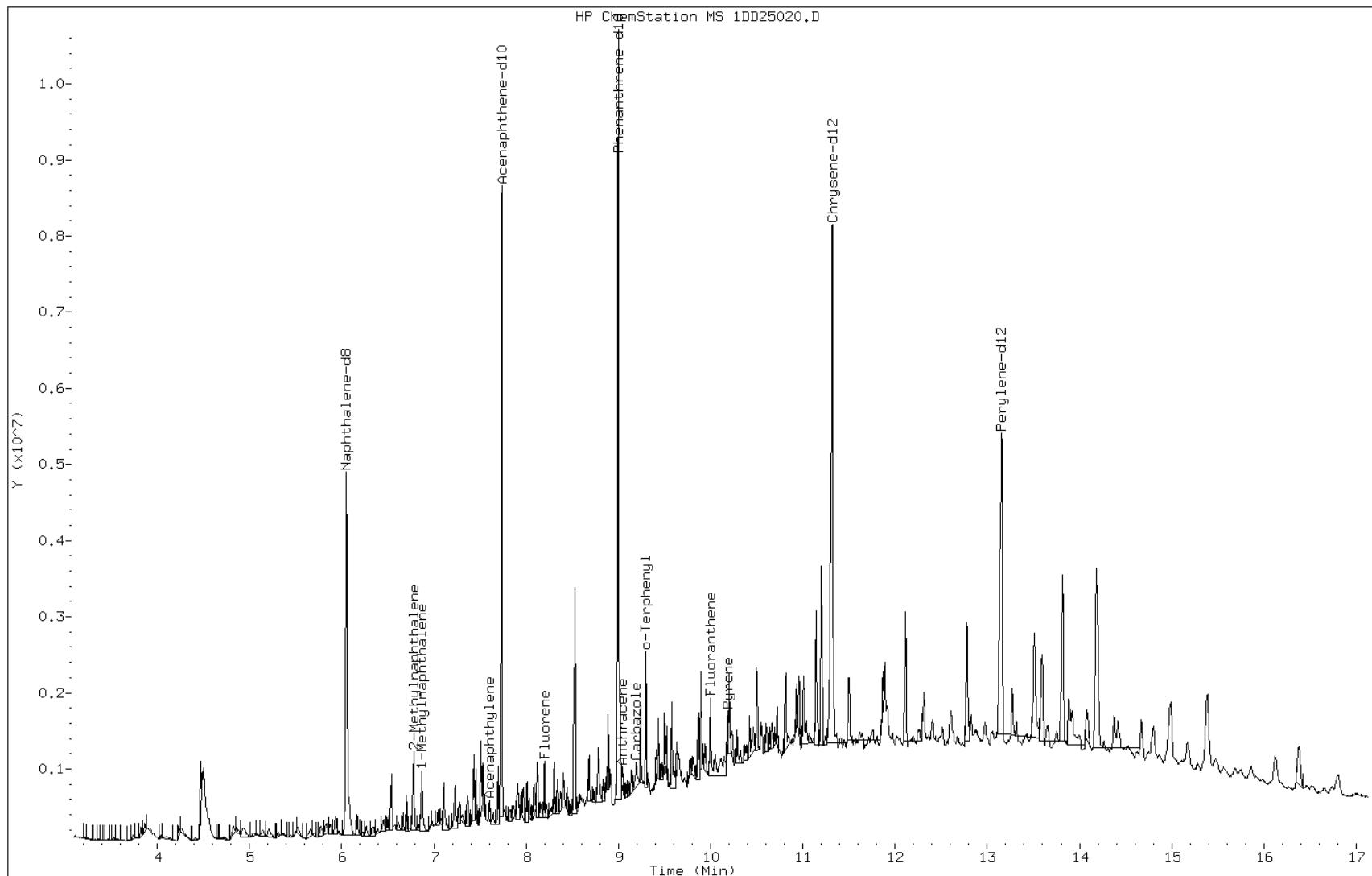
Date: 25-APR-2013 20:41

Client ID: CV1178B-CS

Instrument: BSMSD.i

Sample Info: 680-89516-A-19-A

Operator: SCC



Data File: 1DD25020.D

Date: 25-APR-2013 20:41

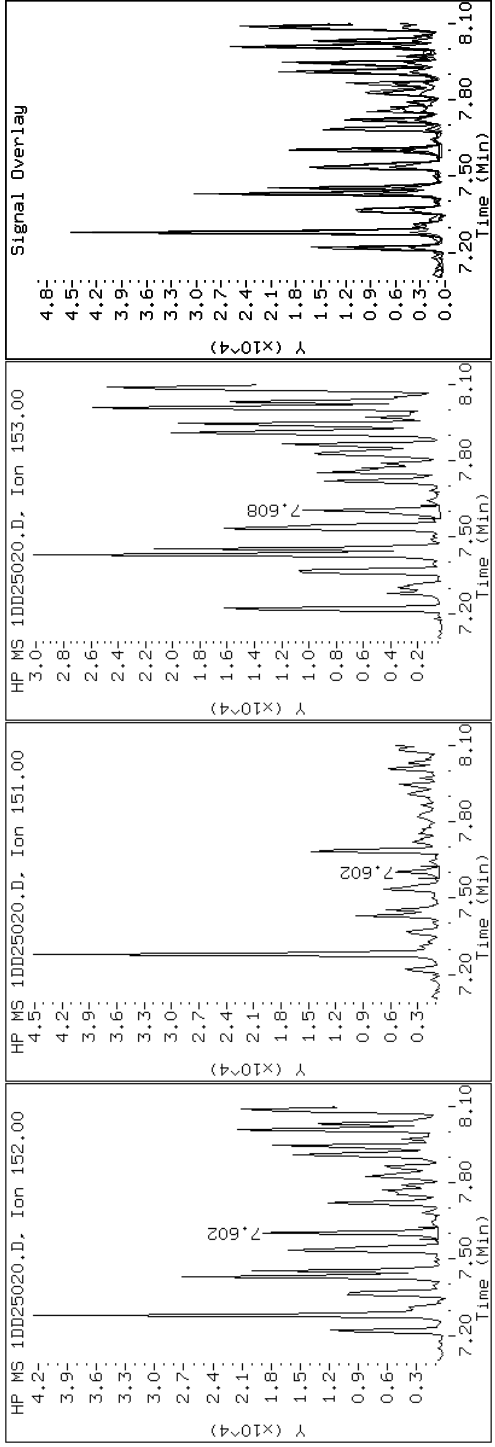
Client ID: CV1178B-CS

Instrument: BSMSD.i

Sample Info: 680-89516-A-19-A

Operator: SCC

5 Acenaphthylene



Data File: 1DD25020.D

Date: 25-APR-2013 20:41

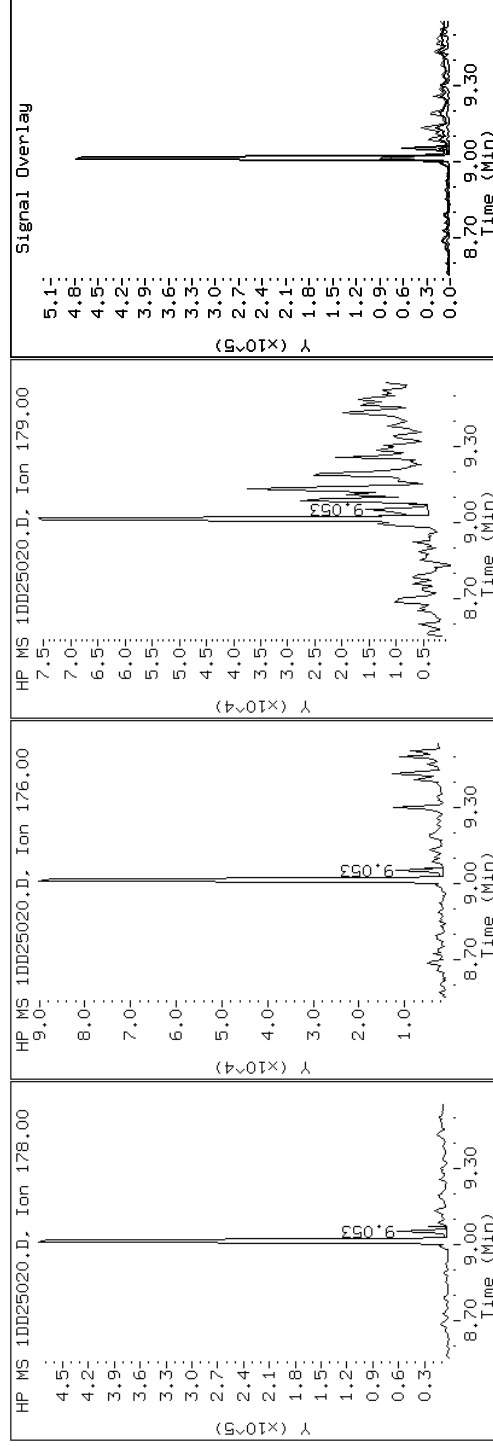
Client ID: CV1178B-CS

Instrument: BSMDS.i

Sample Info: 680-89516-A-19-A

Operator: SCC

11 Anthracene



Data File: 1DD25020.D

Date: 25-APR-2013 20:41

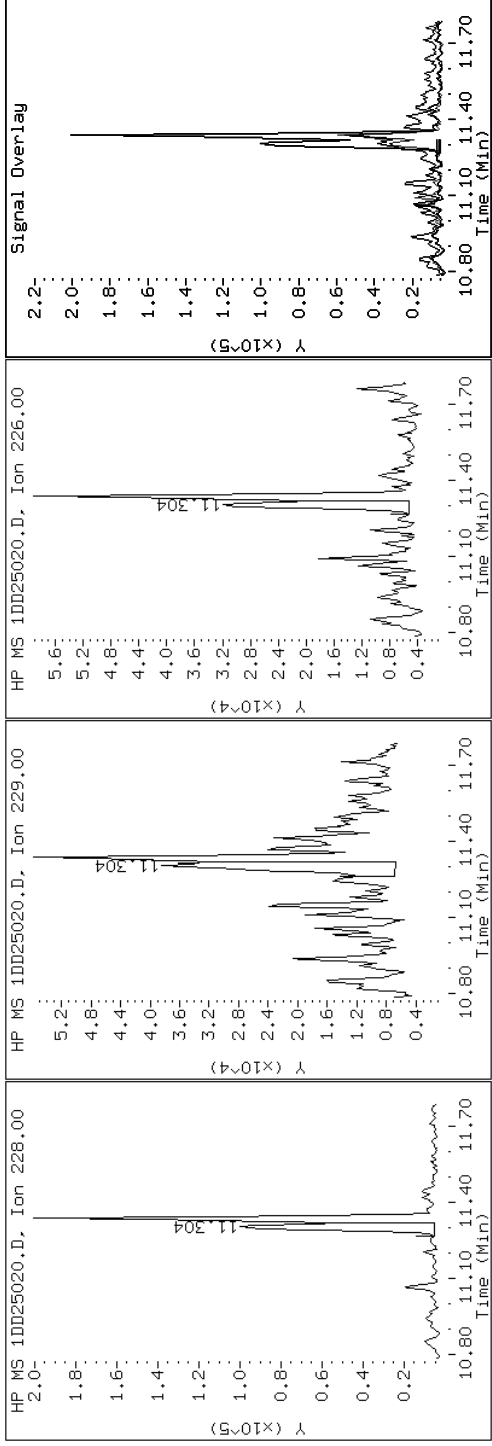
Client ID: CV1178B-CS

Instrument: BSMSD.i

Sample Info: 680-89516-A-19-A

Operator: SCC

16 Benzo(a)anthracene



Data File: 1DD25020.D

Date: 25-APR-2013 20:41

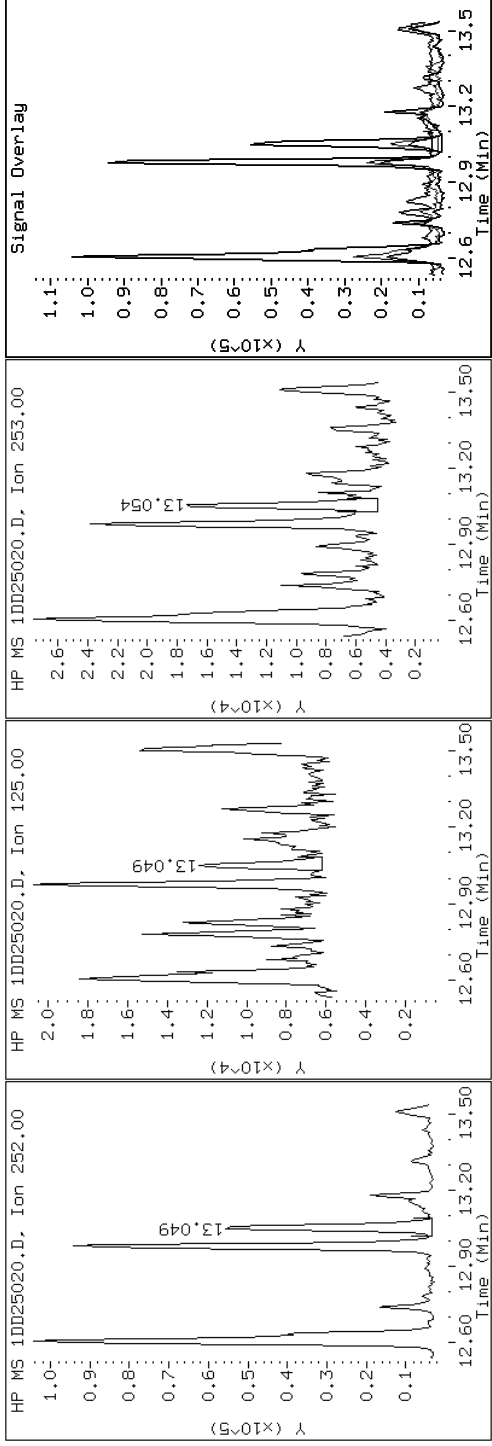
Client ID: CV1178B-CS

Instrument: BSMDS.i

Sample Info: 680-89516-A-19-A

Operator: SCC

21 Benzo(a)pyrene



Data File: 1DD25020.D

Date: 25-APR-2013 20:41

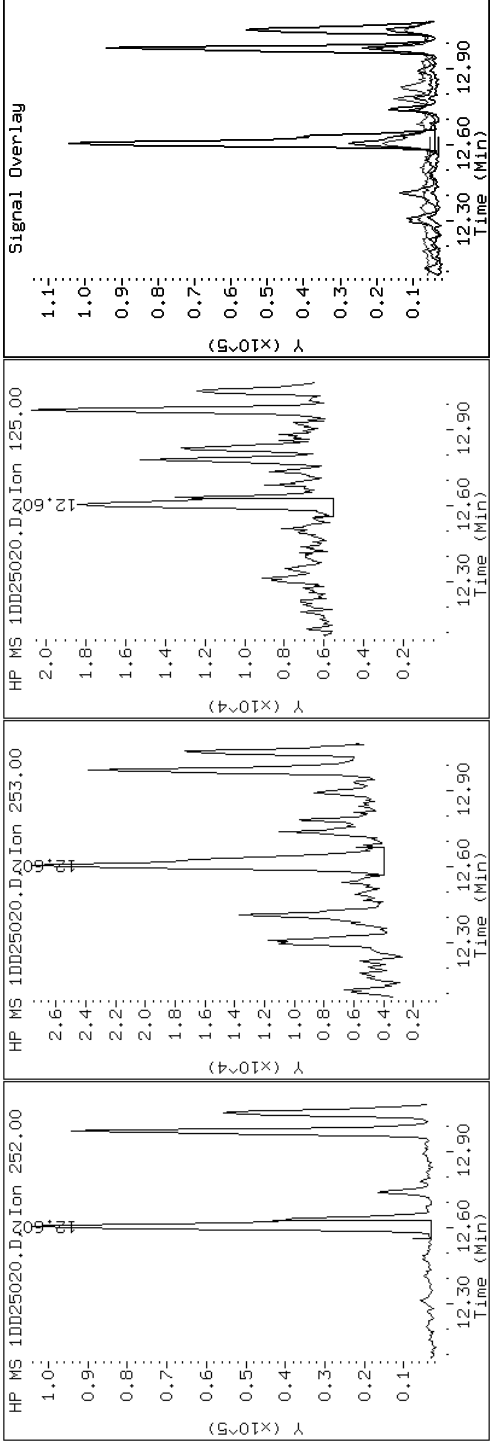
Client ID: CV1178B-CS

Instrument: BSMSD.i

Sample Info: 680-89516-A-19-A

Operator: SCC

19 Benzo(b)fluoranthene



Data File: 1DD25020.D

Date: 25-APR-2013 20:41

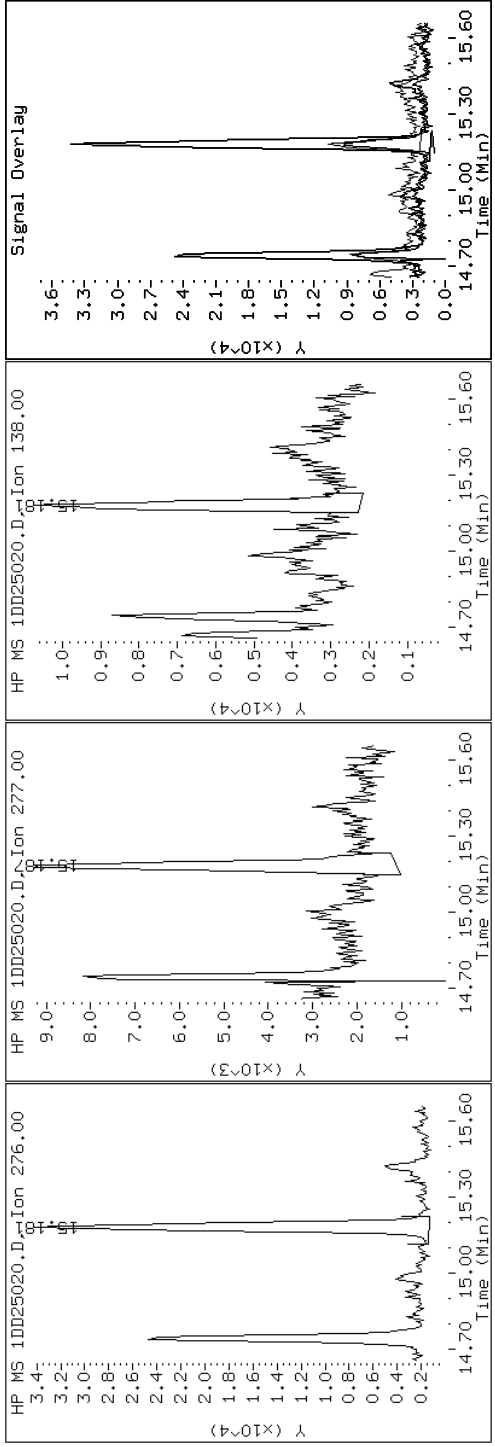
Client ID: CV1178B-CS

Instrument: BSMDS.i

Sample Info: 680-89516-A-19-A

Operator: SCC

25 Benzo(g,h,i)perylene



Data File: 1DD25020.D

Date: 25-APR-2013 20:41

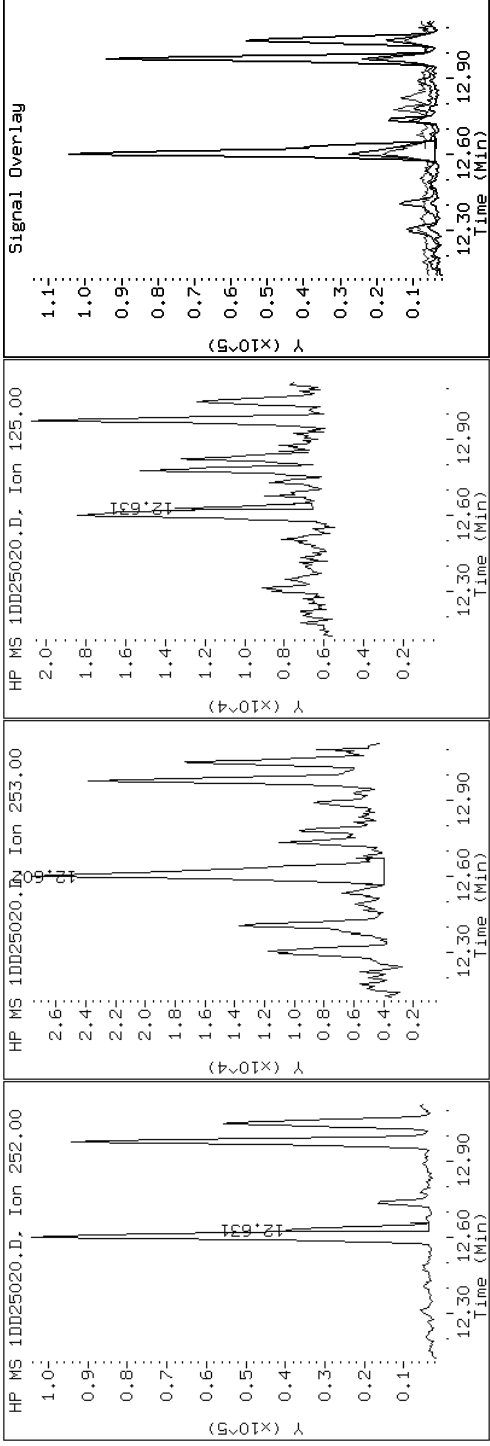
Client ID: CV1178B-CS

Instrument: BSMSD.i

Sample Info: 680-89516-A-19-A

Operator: SCC

20 Benzo(k)fluoranthene



Data File: 1DD25020.D

Date: 25-APR-2013 20:41

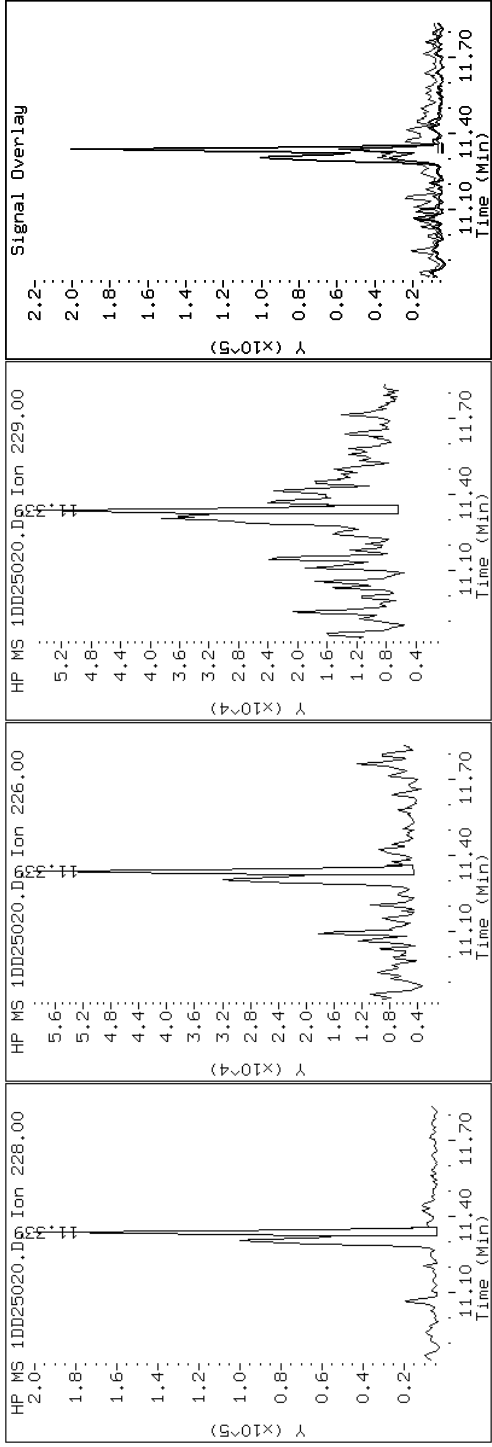
Client ID: CV1178B-CS

Instrument: BSMSD.i

Sample Info: 680-89516-A-19-A

Operator: SCC

18 Chrysene



Data File: 1DD25020.D

Date: 25-APR-2013 20:41

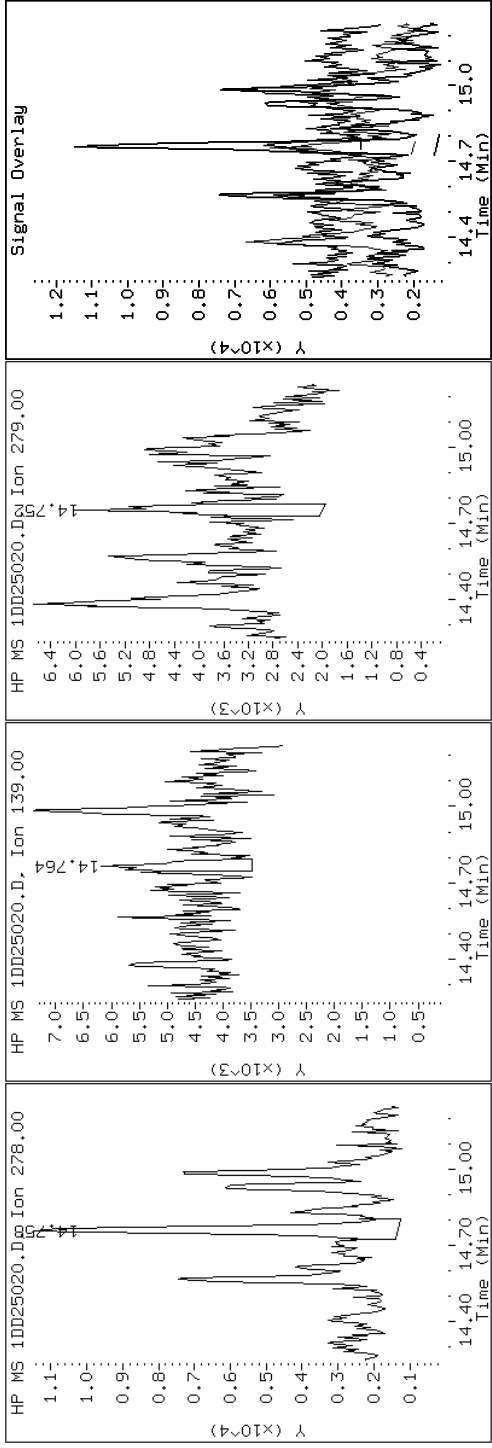
Client ID: CV1178B-CS

Instrument: BSMSD.i

Sample Info: 680-89516-A-19-A

Operator: SCC

24 Dibenzo(a,h)anthracene



Data File: 1DD25020.D

Date: 25-APR-2013 20:41

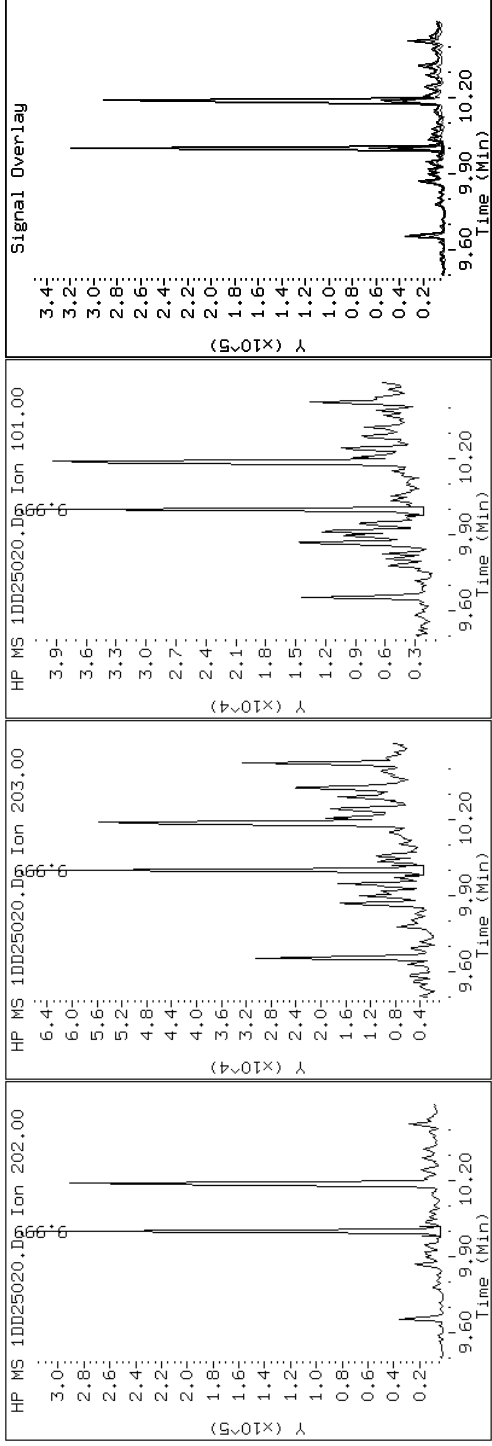
Client ID: CV1178B-CS

Instrument: BSMDS.i

Sample Info: 680-89516-A-19-A

Operator: SCC

14 Fluoranthene



Data File: 1DD25020.D

Date: 25-APR-2013 20:41

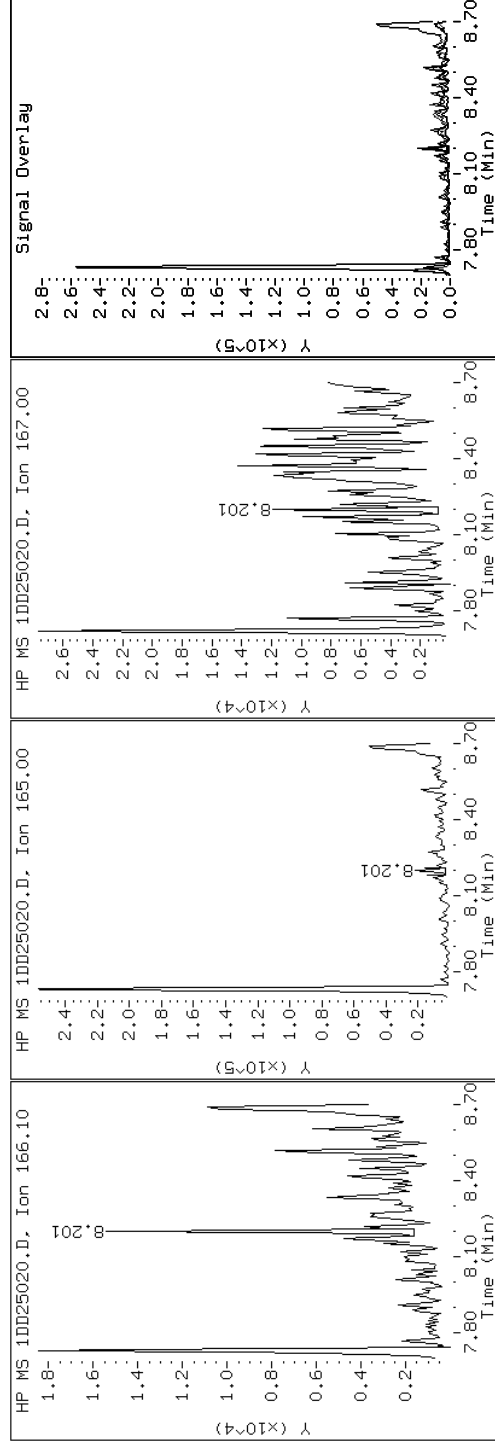
Client ID: CV1178B-CS

Instrument: BSMDS.i

Sample Info: 680-89516-A-19-A

Operator: SCC

8 Fluorene



Data File: 1DD25020.D

Date: 25-APR-2013 20:41

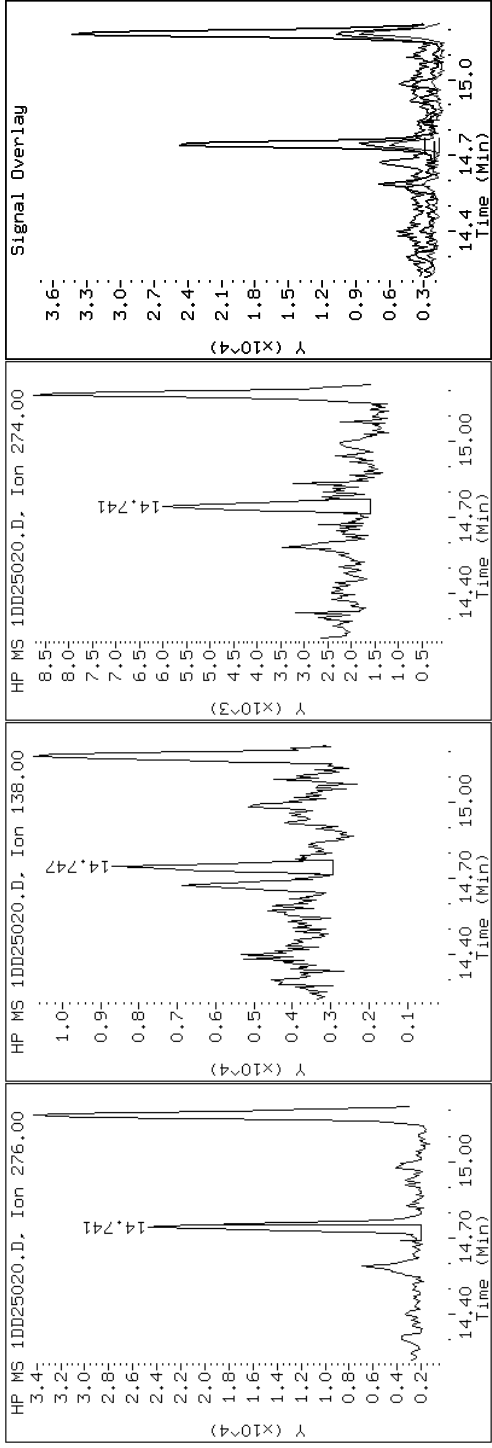
Client ID: CV1178B-CS

Instrument: BSMDS.i

Sample Info: 680-89516-A-19-A

Operator: SCC

23 Indeno(1,2,3-cd)pyrene



Data File: 1DD25020.D

Date: 25-APR-2013 20:41

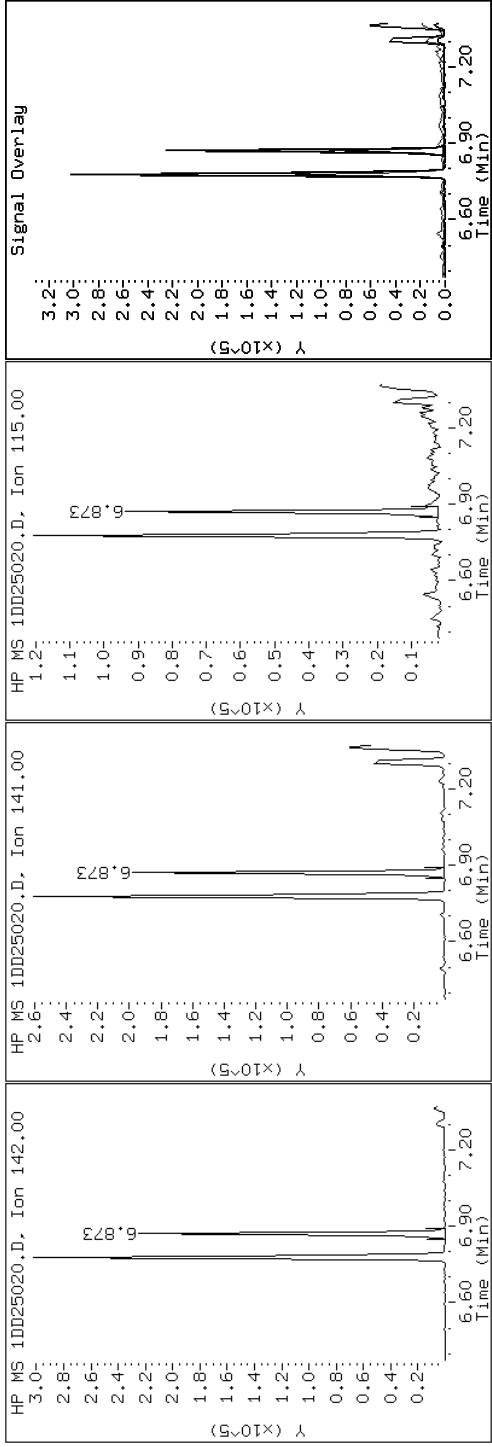
Client ID: CV1178B-CS

Instrument: BSMSD.i

Sample Info: 680-89516-A-19-A

Operator: SCC

4 1-Methylnaphthalene



Data File: 1DD25020.D

Date: 25-APR-2013 20:41

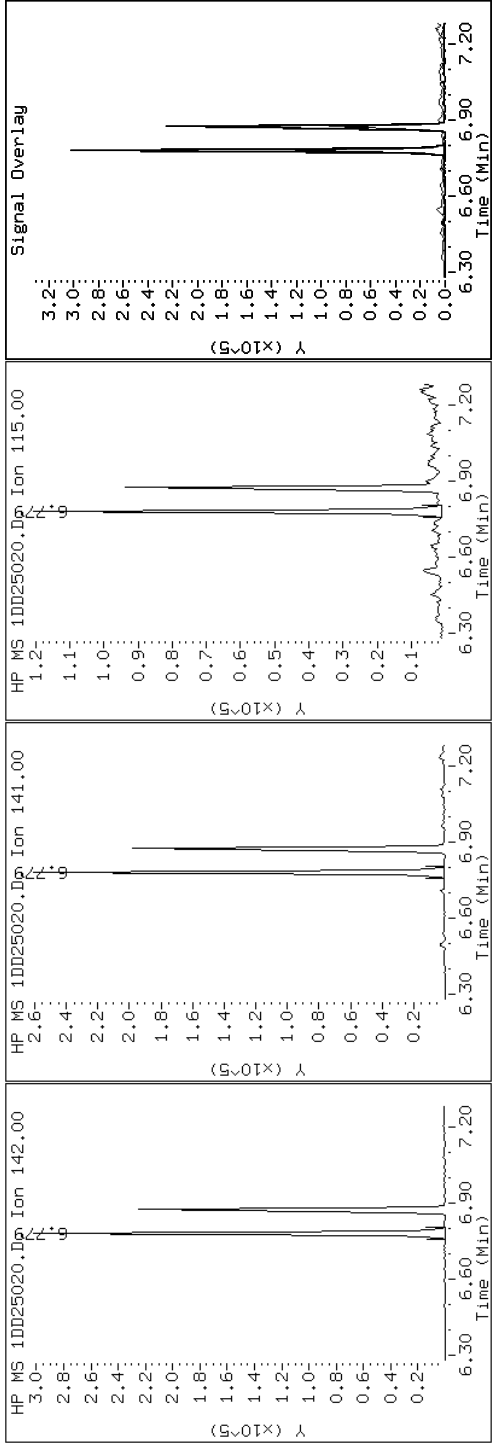
Client ID: CV1178B-CS

Instrument: BSMSD.i

Sample Info: 680-89516-A-19-A

Operator: SCC

3 2-Methylnaphthalene



Data File: 1DD25020.D

Date: 25-APR-2013 20:41

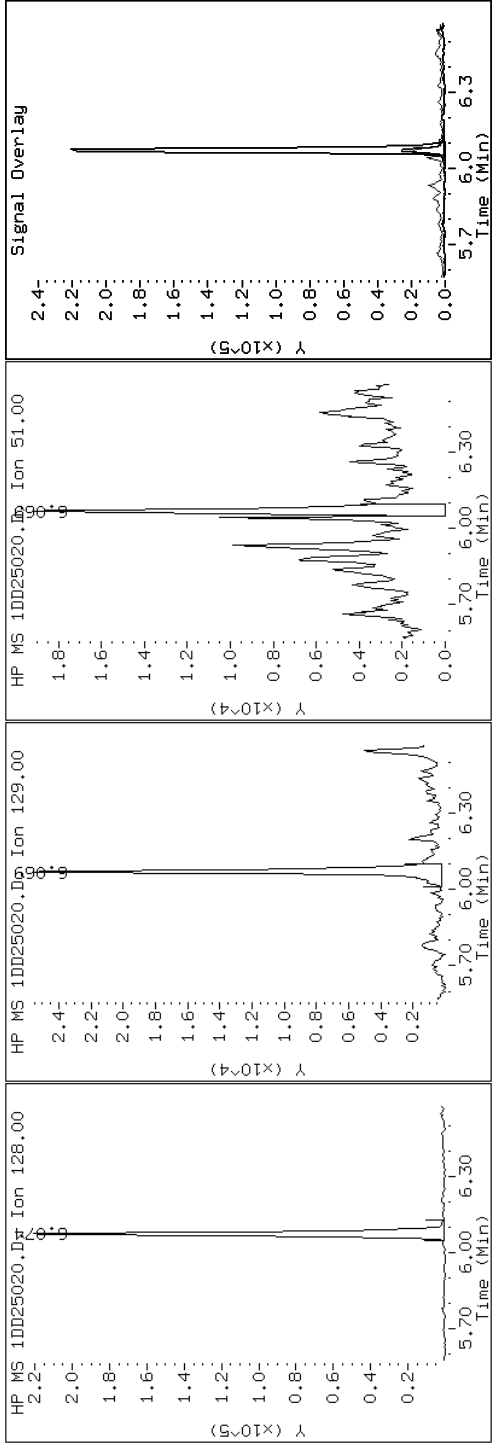
Client ID: CV1178B-CS

Instrument: BSMSD.i

Sample Info: 680-89516-A-19-A

Operator: SCC

2 Naphthalene



Data File: 1DD25020.D

Date: 25-APR-2013 20:41

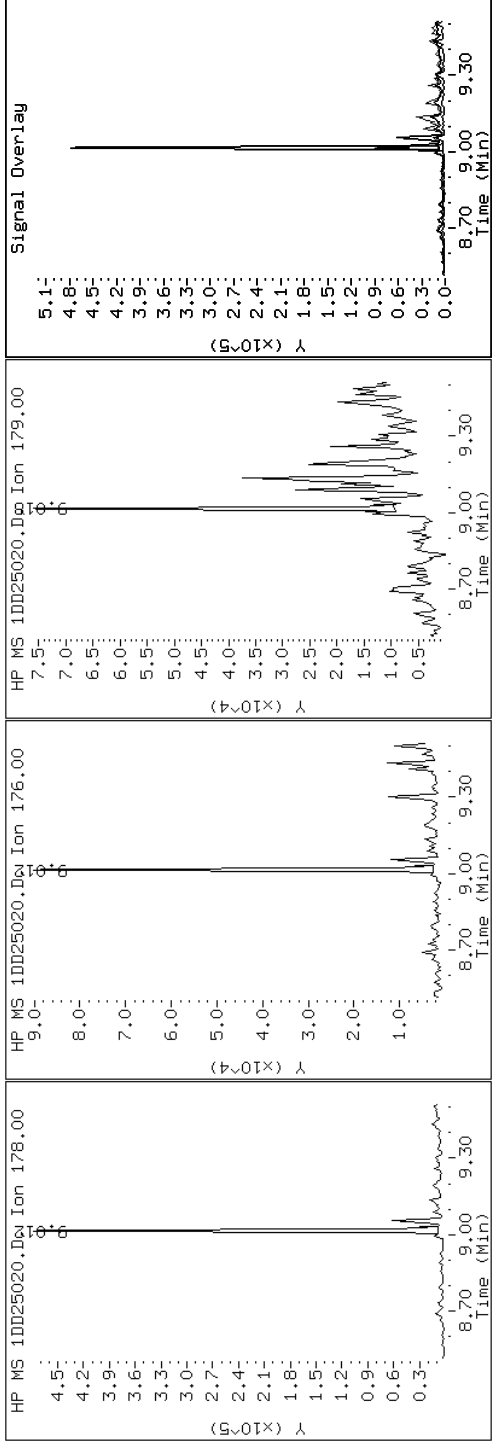
Client ID: CV1178B-CS

Instrument: BSMDS.i

Sample Info: 680-89516-A-19-A

Operator: SCC

10 Phenanthrene



Data File: 1DD25020.D

Date: 25-APR-2013 20:41

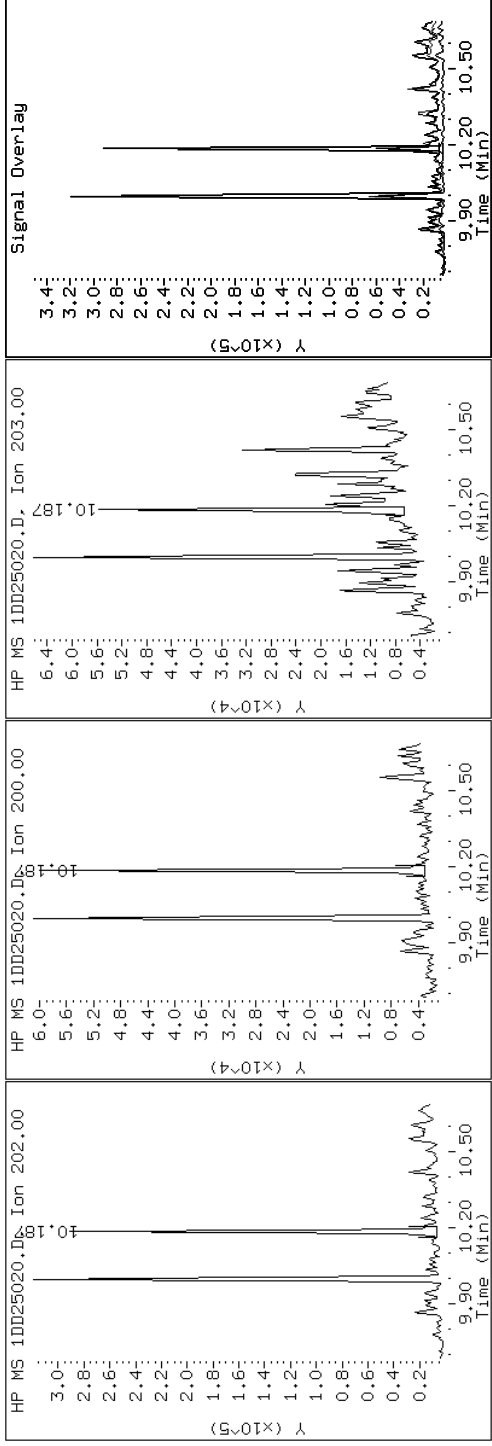
Client ID: CV1178B-CS

Instrument: BSMSD.i

Sample Info: 680-89516-A-19-A

Operator: SCC

15 Pyrene

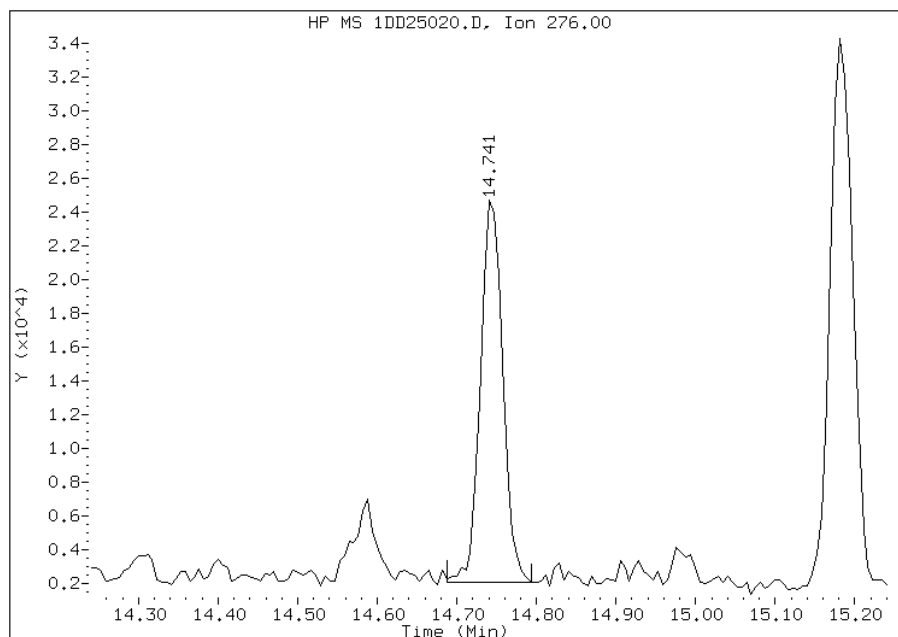


Manual Integration Report

Data File: 1DD25020.D
Inj. Date and Time: 25-APR-2013 20:41
Instrument ID: BSMSD.i
Client ID: CV1178B-CS
Compound: 23 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/26/2013

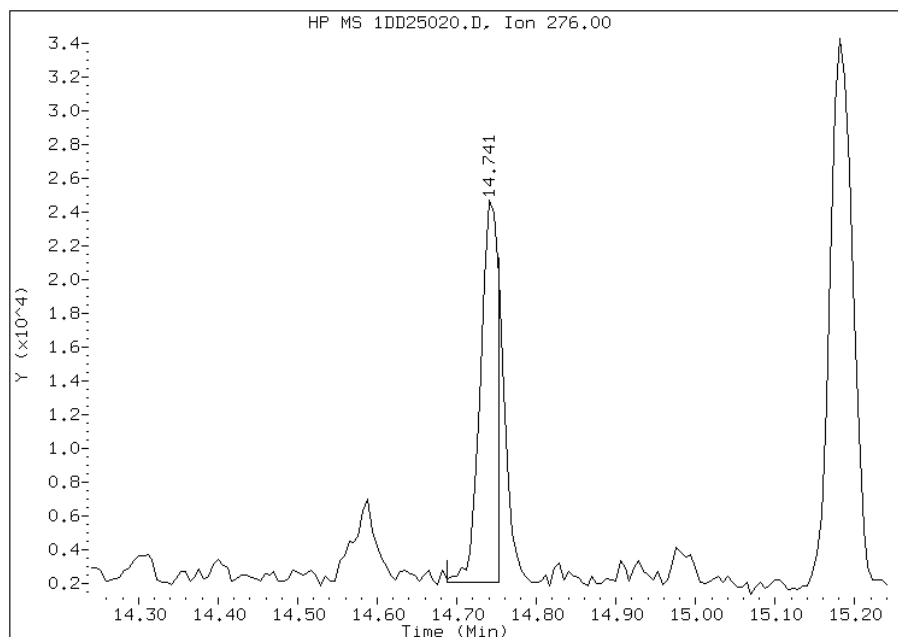
Processing Integration Results

RT: 14.74
Response: 43658
Amount: 1
Conc: 55



Manual Integration Results

RT: 14.74
Response: 35706
Amount: 1
Conc: 45



Manually Integrated By: cantins
Modification Date: 26-Apr-2013 17:23
Manual Integration Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-89516-1
 SDG No.: 68089516-1
 Client Sample ID: CV1264A-CS Lab Sample ID: 680-89516-20
 Matrix: Solid Lab File ID: 1DD25021.D
 Analysis Method: 8270C LL Date Collected: 04/17/2013 14:50
 Extract. Method: 3546 Date Extracted: 04/24/2013 09:50
 Sample wt/vol: 15.17(g) Date Analyzed: 04/25/2013 21:03
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 21.2 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 136899 Units: ug/Kg

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|----------|------------------------|--------|---|-----|-----|
| 83-32-9 | Acenaphthene | 130 | U | 130 | 25 |
| 208-96-8 | Acenaphthylene | 24 | J | 50 | 6.3 |
| 120-12-7 | Anthracene | 46 | | 11 | 5.3 |
| 56-55-3 | Benzo[a]anthracene | 230 | | 10 | 4.9 |
| 50-32-8 | Benzo[a]pyrene | 210 | | 13 | 6.5 |
| 205-99-2 | Benzo[b]fluoranthene | 420 | | 15 | 7.7 |
| 191-24-2 | Benzo[g,h,i]perylene | 100 | | 25 | 5.5 |
| 207-08-9 | Benzo[k]fluoranthene | 140 | | 10 | 4.5 |
| 218-01-9 | Chrysene | 300 | | 11 | 5.6 |
| 53-70-3 | Dibenz(a,h)anthracene | 42 | | 25 | 5.1 |
| 206-44-0 | Fluoranthene | 310 | | 25 | 5.0 |
| 86-73-7 | Fluorene | 16 | J | 25 | 5.1 |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 91 | | 25 | 8.9 |
| 90-12-0 | 1-Methylnaphthalene | 230 | | 50 | 5.5 |
| 91-57-6 | 2-Methylnaphthalene | 410 | | 50 | 8.9 |
| 91-20-3 | Naphthalene | 390 | | 50 | 5.5 |
| 85-01-8 | Phenanthrene | 260 | | 10 | 4.9 |
| 129-00-0 | Pyrene | 240 | | 25 | 4.6 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---------|-------------|------|---|--------|
| 84-15-1 | o-Terphenyl | 50 | | 30-130 |

TestAmerica Laboratories

Semivolatiles 8270 low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMSD.i\1D042513.b\1DD25021.D
 Lab Smp Id: 680-89516-A-20-A Client Smp ID: CV1264A-CS
 Inj Date : 25-APR-2013 21:03
 Operator : SCC Inst ID: BSMSD.i
 Smp Info : 680-89516-A-20-A
 Misc Info : 680-89516-A-20-A
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMSD.i\1D042513.b\dFASTPAHi.m
 Meth Date : 25-Apr-2013 12:42 cantins Quant Type: ISTD
 Cal Date : 04-APR-2013 16:04 Cal File: 1DD04013.D
 Als bottle: 21
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

Concentration Formula:

$$\text{Amt} * \text{DF} * 1/\text{Vi} * \text{Vt}/\text{Ws} * 100/(100 - \text{M}) * \text{A} * \text{B} * \text{C} * \text{D} * \text{GPC} * \text{CpndVariable}$$

| Name | Value | Description |
|---------------|----------|---|
| DF | 1.000 | Dilution Factor |
| Vi | 1.000 | Injection Volume |
| Vt | 1.000 | Final Volume |
| Ws | 15.170 | Weight Extracted |
| M | 21.192 | % Moisture |
| A | 1000.000 | uL to mL conversion |
| B | 1000.000 | g to kg conversion |
| C | 0.00100 | ng to ug conversion |
| D | 1.000 | ug to mg conversion(value = 1 if no conv) |
| GPC | 1.000 | GPC FACTOR |
| Cpnd Variable | | Local Compound Variable |

| Compounds | QUANT | SIG | MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS | |
|-----------------------|-------|-----|--------|--------|---------|---------|----------|----------------------|------------------|
| | | | | | | | | ON-COLUMN (ug/l) | FINAL (ug/Kg) |
| * 1 Naphthalene-d8 | 136 | | 6.055 | 6.049 | (1.000) | 2557476 | 40.0000 | | |
| * 6 Acenaphthene-d10 | 164 | | 7.736 | 7.729 | (1.000) | 1663167 | 40.0000 | | |
| * 9 Phenanthrene-d10 | 188 | | 8.999 | 8.992 | (1.000) | 2818744 | 40.0000 | | |
| \$ 13 o-Terphenyl | 230 | | 9.299 | 9.298 | (1.033) | 210895 | 4.96562 | 420 | |
| * 17 Chrysene-d12 | 240 | | 11.320 | 11.307 | (1.000) | 3019966 | 40.0000 | | |
| * 22 Perylene-d12 | 264 | | 13.147 | 13.129 | (1.000) | 2505044 | 40.0000 | | |
| 2 Naphthalene | 128 | | 6.073 | 6.072 | (1.003) | 294301 | 4.62975 | 390 | |
| 3 2-Methylnaphthalene | 142 | | 6.778 | 6.777 | (1.119) | 201026 | 4.89892 | 410 | |
| 4 1-Methylnaphthalene | 142 | | 6.872 | 6.871 | (1.135) | 108667 | 2.80423 | 230 | |
| 5 Acenaphthylene | 152 | | 7.606 | 7.600 | (0.983) | 20221 | 0.28726 | 24 | |
| 8 Fluorene | 166 | | 8.200 | 8.199 | (1.060) | 9831 | 0.19106 | 16 | |
| 10 Phenanthrene | 178 | | 9.017 | 9.010 | (1.002) | 244432 | 3.14822 | 260 | |
| 11 Anthracene | 178 | | 9.052 | 9.051 | (1.006) | 42556 | 0.55224 | 46 | |
| 12 Carbazole | 167 | | 9.199 | 9.192 | (1.022) | 22614 | 0.33269 | 28 | |

| Compounds | QUANT SIG | | CONCENTRATIONS | | | | |
|---------------------------|-----------|--------|----------------|---------|----------|----------------------|------------------|
| | MASS | RT | EXP RT | REL RT | RESPONSE | ON-COLUMN (ug/l) | FINAL (ug/Kg) |
| 14 Fluoranthene | 202 | 9.998 | 9.997 | (1.111) | 300859 | 3.76560 | 310 |
| 15 Pyrene | 202 | 10.186 | 10.185 | (0.900) | 260392 | 2.87125 | 240 |
| 16 Benzo(a)anthracene | 228 | 11.302 | 11.284 | (0.998) | 235894 | 2.70170 | 220 |
| 18 Chrysene | 228 | 11.337 | 11.331 | (1.002) | 294088 | 3.59219 | 300 |
| 19 Benzo(b)fluoranthene | 252 | 12.601 | 12.582 | (0.958) | 312068 | 4.98698 | 420 |
| 20 Benzo(k)fluoranthene | 252 | 12.630 | 12.623 | (0.961) | 106903 | 1.62159 | 140 |
| 21 Benzo(a)pyrene | 252 | 13.047 | 13.035 | (0.992) | 155343 | 2.47067 | 210 |
| 23 Indeno(1,2,3-cd)pyrene | 276 | 14.727 | 14.715 | (1.120) | 73023 | 1.08919 | 91(M) |
| 24 Dibenzo(a,h)anthracene | 278 | 14.745 | 14.744 | (1.122) | 31686 | 0.50189 | 42 |
| 25 Benzo(g,h,i)perylene | 276 | 15.174 | 15.156 | (1.154) | 79046 | 1.22451 | 100 |

QC Flag Legend

M - Compound response manually integrated.

Data File: 1DD25021.D

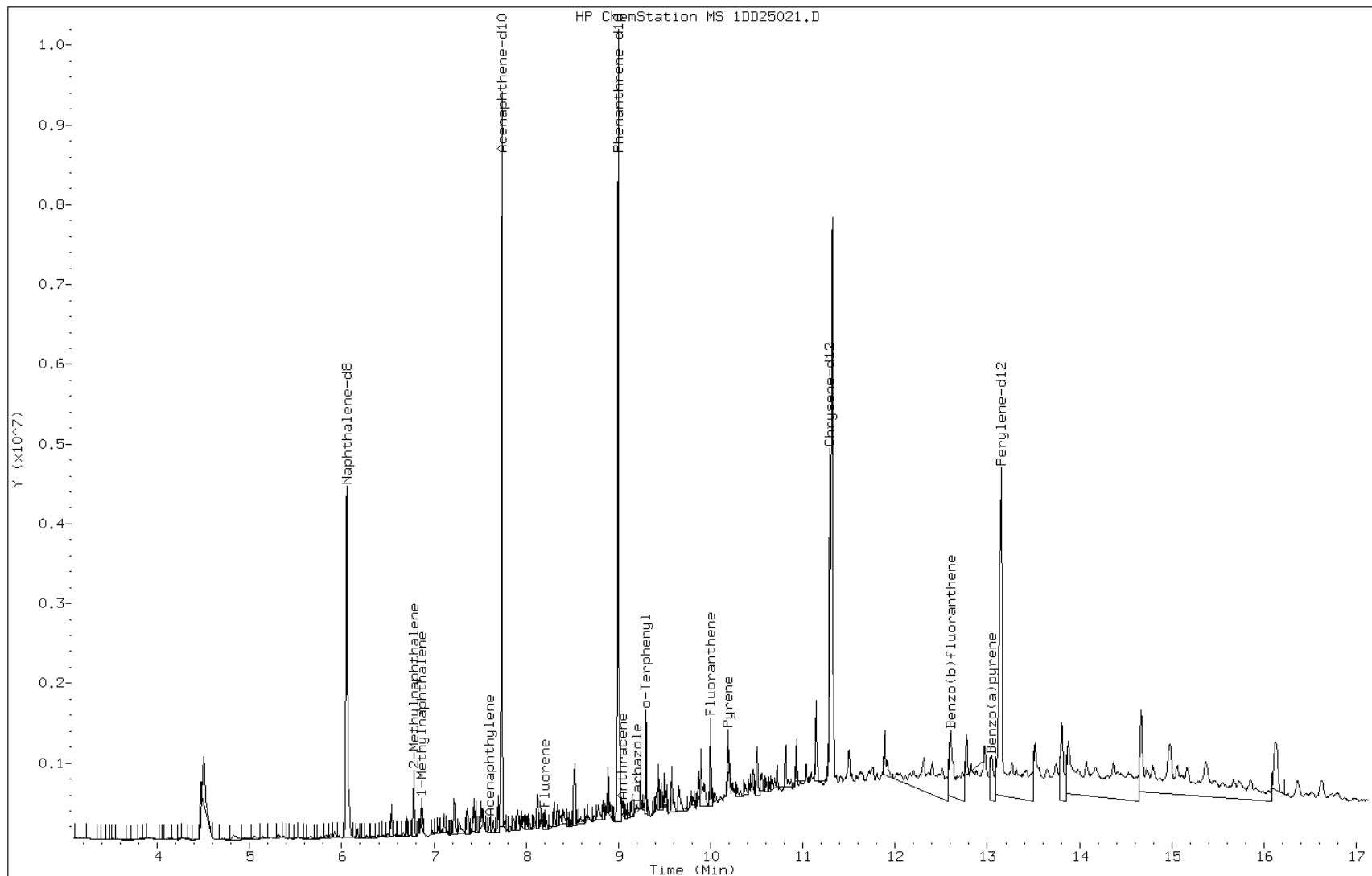
Date: 25-APR-2013 21:03

Client ID: CV1264A-CS

Instrument: BSMSD.i

Sample Info: 680-89516-A-20-A

Operator: SCC



Data File: 1DD25021.D

Date: 25-APR-2013 21:03

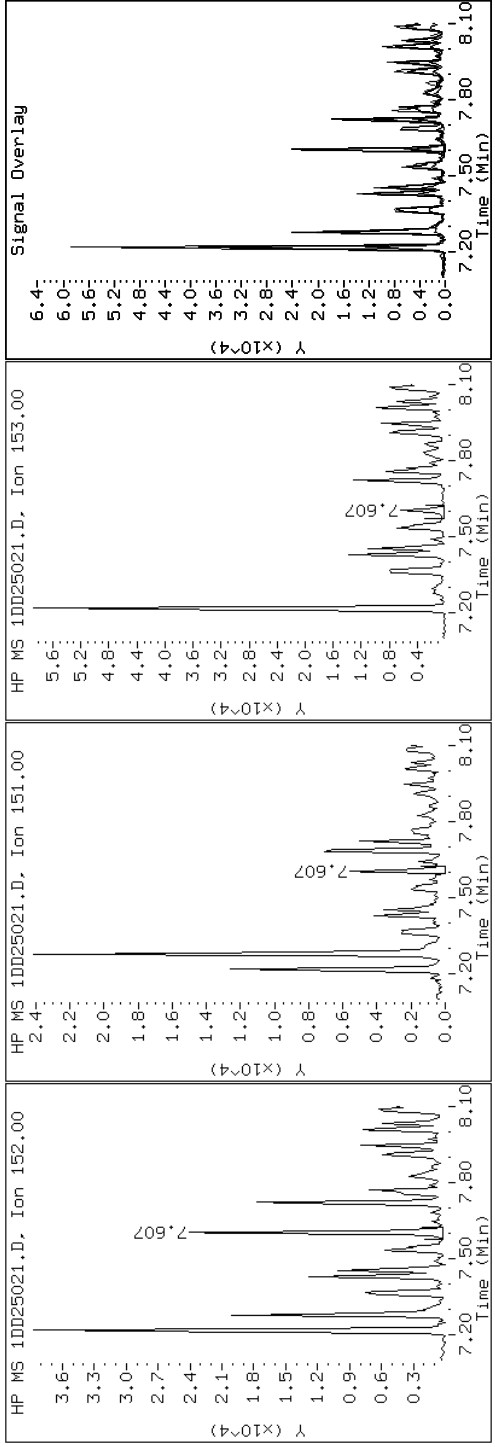
Client ID: CVI264A-CS

Instrument: BSMDS.i

Sample Info: 680-89516-A-20-A

Operator: SCC

5 Acenaphthylene



Data File: 1DD25021.D

Date: 25-APR-2013 21:03

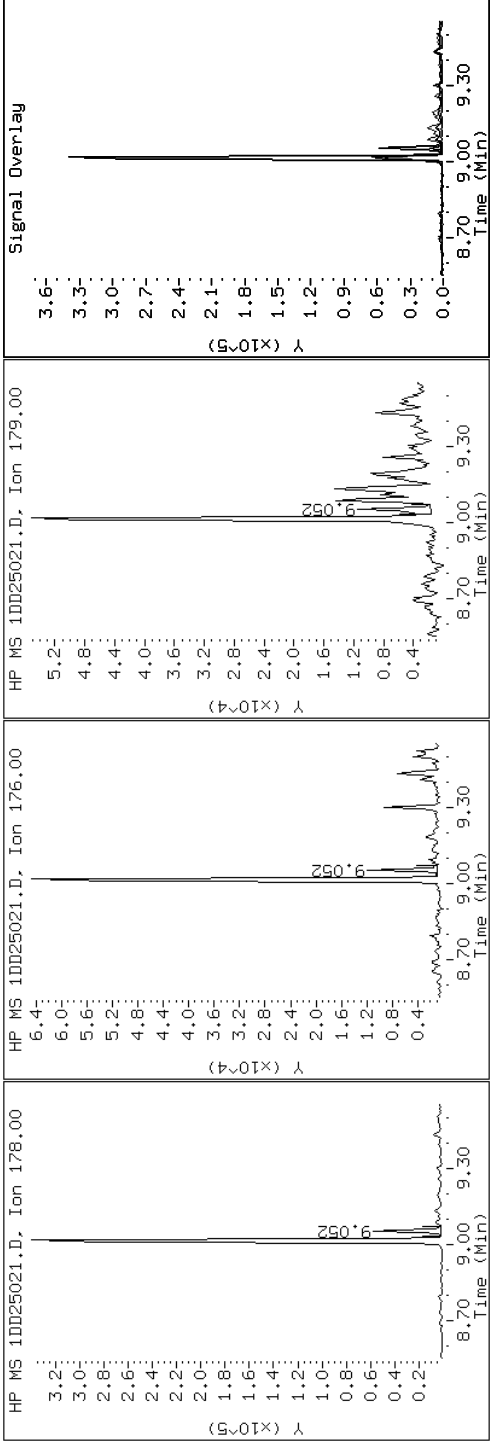
Client ID: CVI264A-CS

Instrument: BSMSD.i

Sample Info: 680-89516-A-20-A

Operator: SCC

11 Anthracene



Data File: 1DD25021.D

Date: 25-APR-2013 21:03

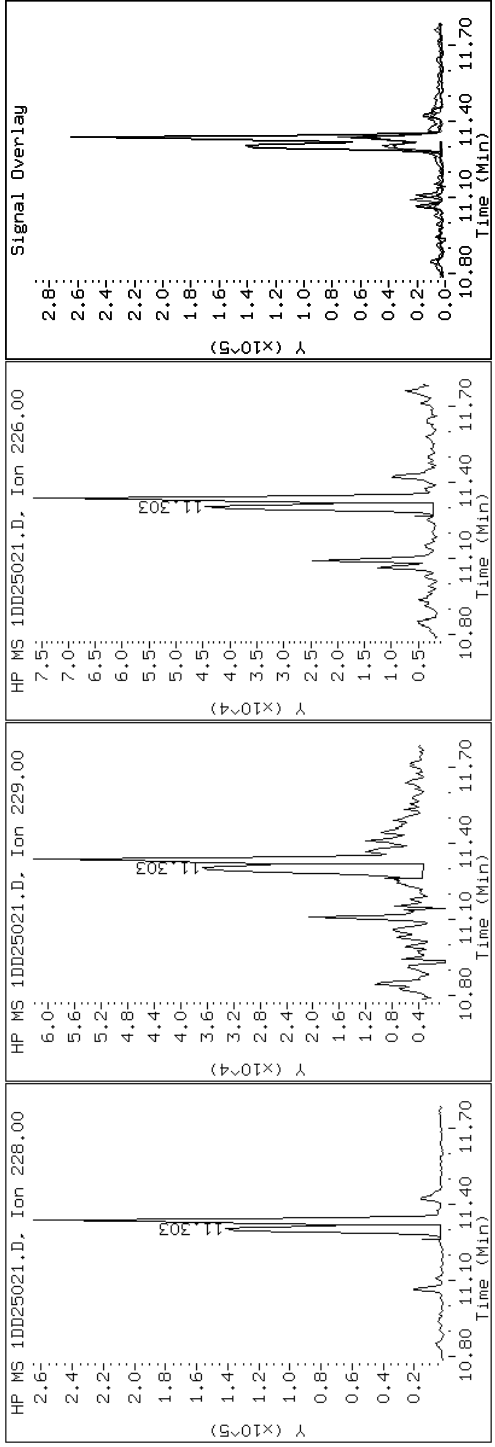
Client ID: CVI264A-CS

Instrument: BSMDS.i

Sample Info: 680-89516-A-20-A

Operator: SCC

16 Benzo(a)anthracene



Data File: 1DD25021.D

Date: 25-APR-2013 21:03

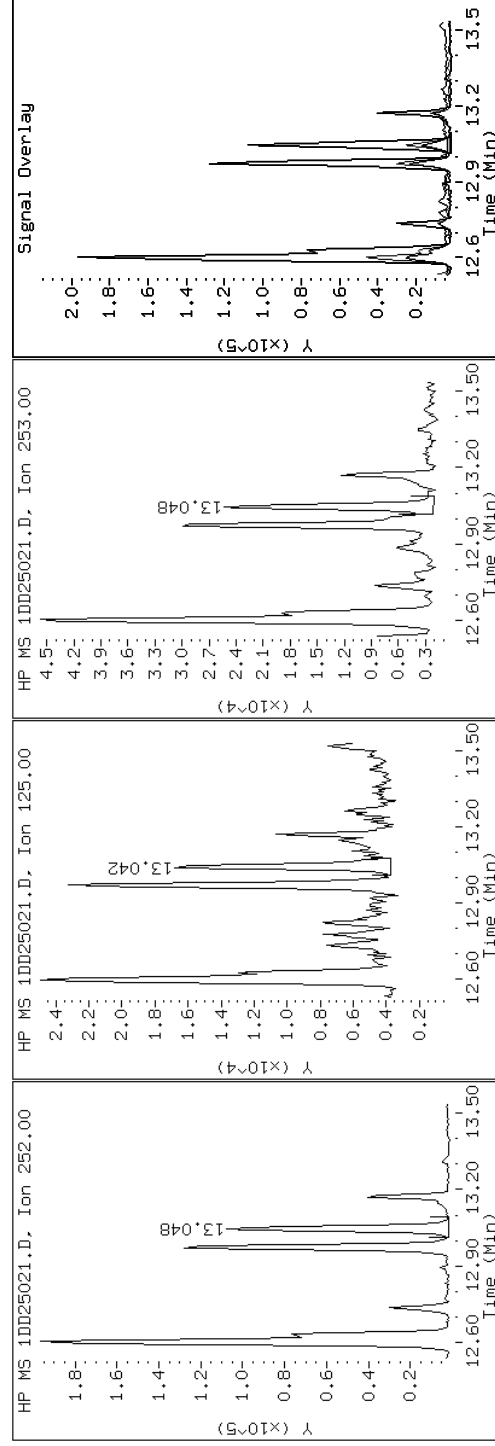
Client ID: CVI264A-CS

Instrument: BSMDS.i

Sample Info: 680-89516-A-20-A

Operator: SCC

21 Benzo(a)pyrene



Data File: 1DD25021.D

Date: 25-APR-2013 21:03

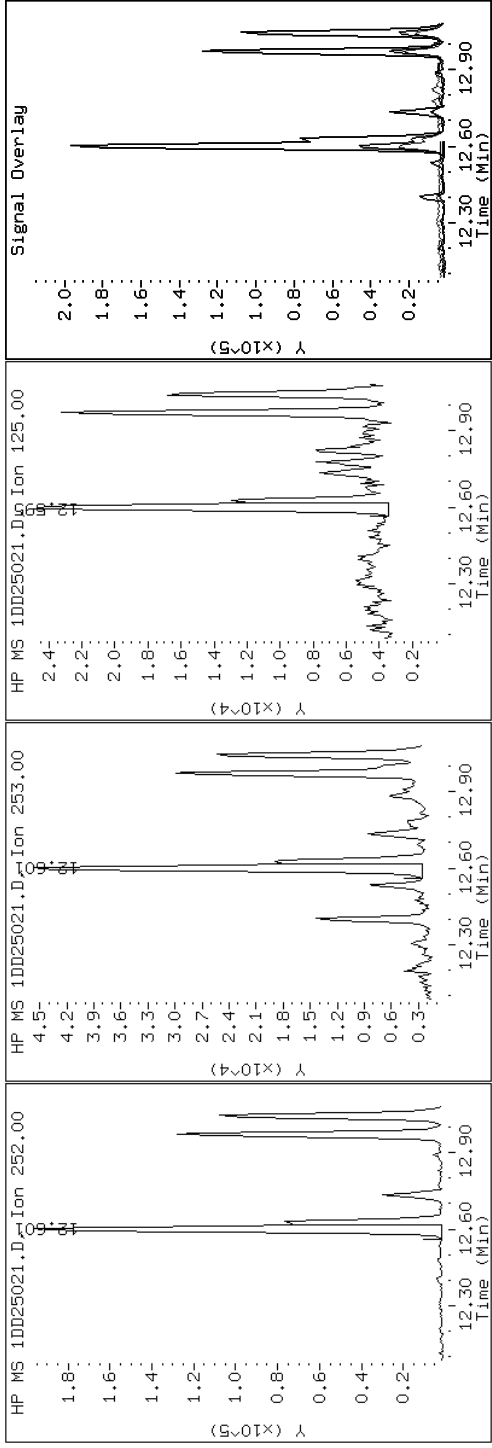
Client ID: CV1264A-CS

Instrument: BSMSD.i

Sample Info: 680-89516-A-20-A

Operator: SCC

19 Benzo(b)fluoranthene



Data File: 1DD25021.D

Date: 25-APR-2013 21:03

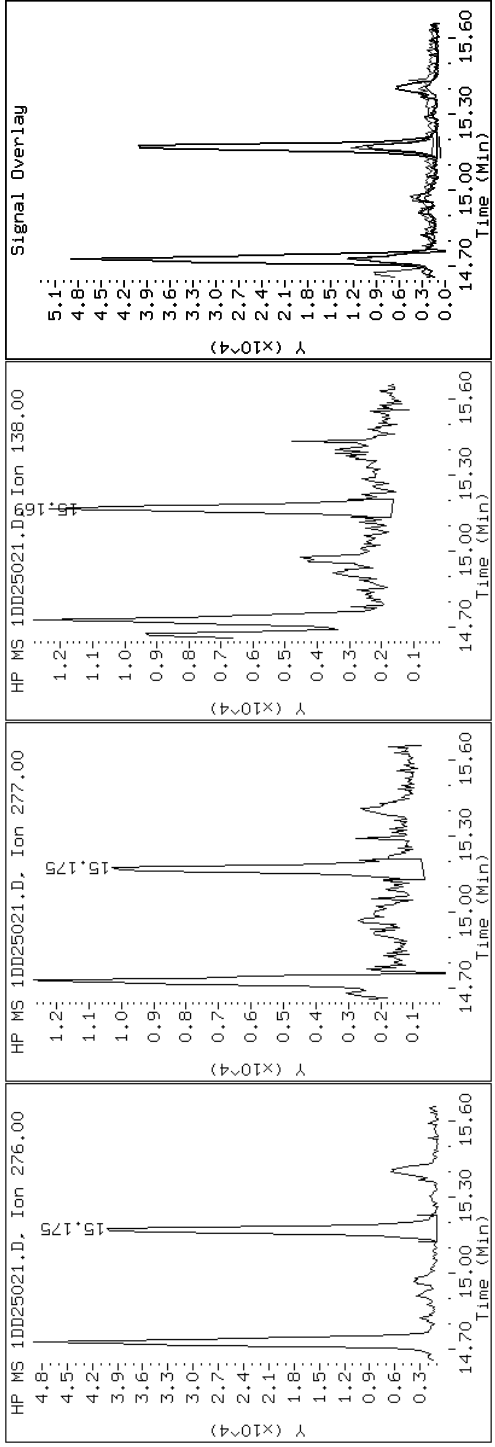
Client ID: CVI264A-CS

Instrument: BSMDS.i

Sample Info: 680-89516-A-20-A

Operator: SCC

25 Benzo(g,h,i)perylene



Data File: 1DD25021.D

Date: 25-APR-2013 21:03

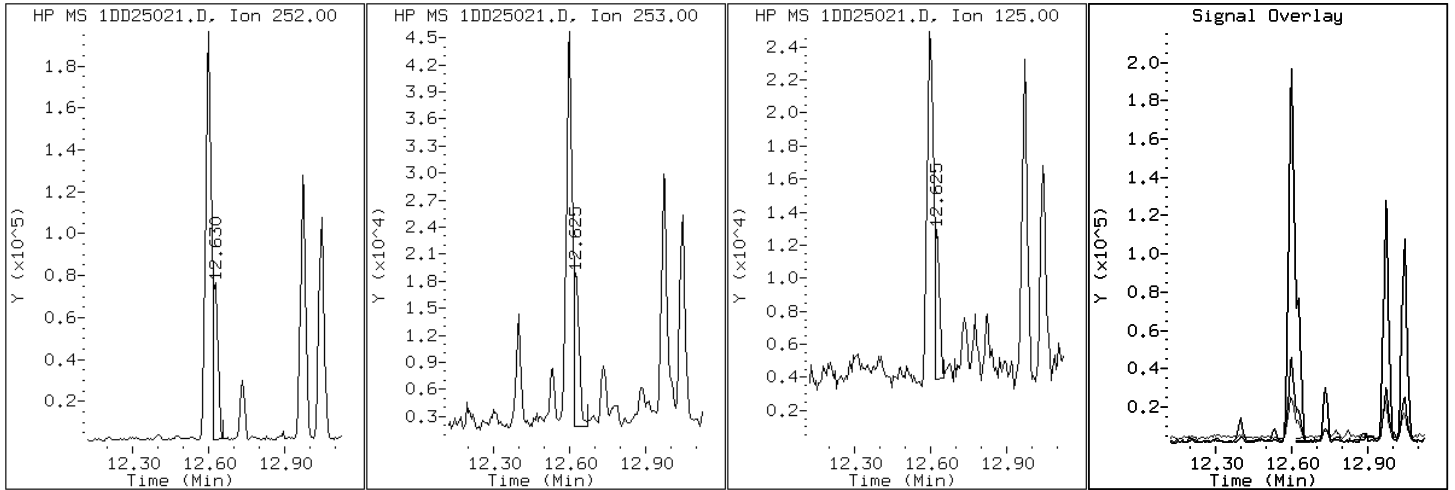
Client ID: CV1264A-CS

Instrument: BSMSD.i

Sample Info: 680-89516-A-20-A

Operator: SCC

20 Benzo(k)fluoranthene



Data File: 1DD25021.D

Date: 25-APR-2013 21:03

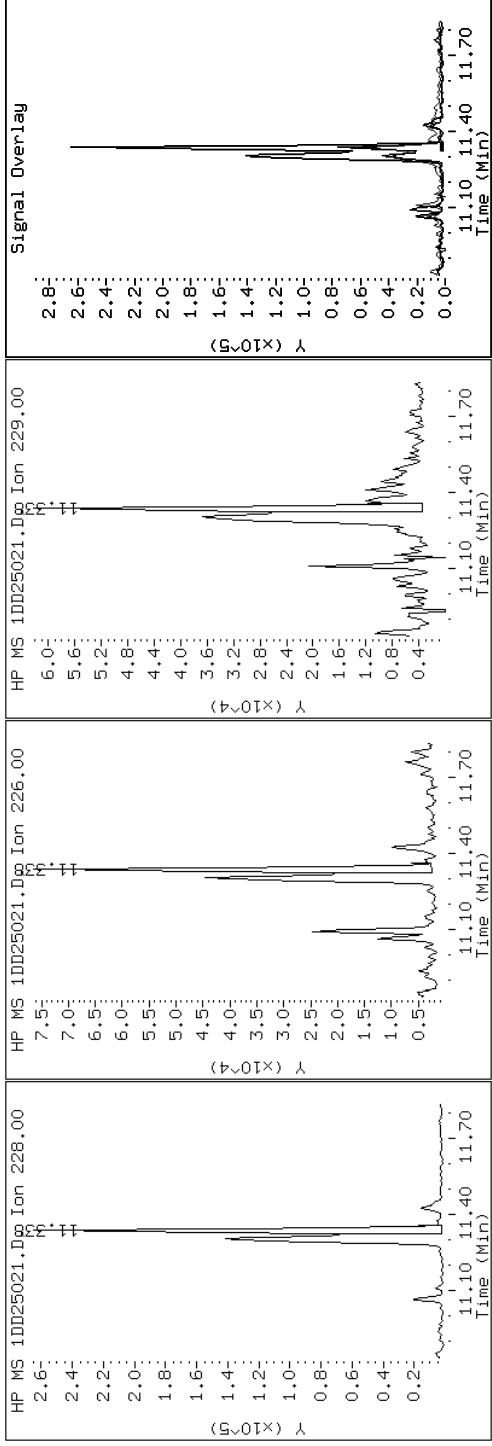
Client ID: CVI264A-CS

Instrument: BSMDS.i

Sample Info: 680-89516-A-20-A

Operator: SCC

18 Chrysene



Data File: 1DD25021.D

Date: 25-APR-2013 21:03

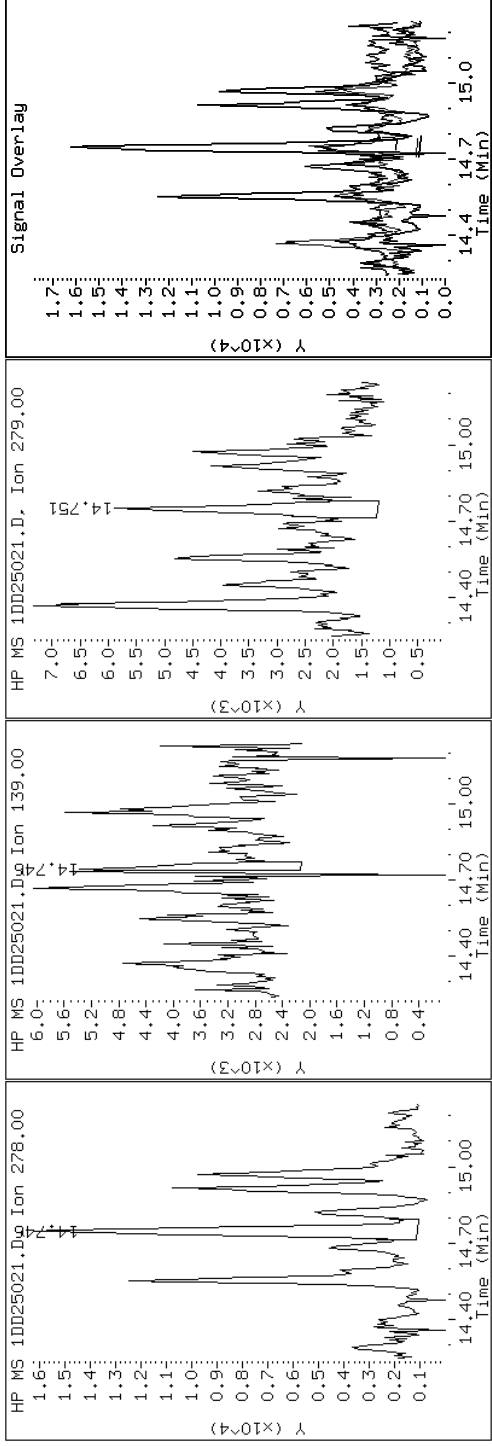
Client ID: CV1264A-CS

Instrument: BSMDS.i

Sample Info: 680-89516-A-20-A

Operator: SCC

24 Dibenzo(a,h)anthracene



Data File: 1DD25021.D

Date: 25-APR-2013 21:03

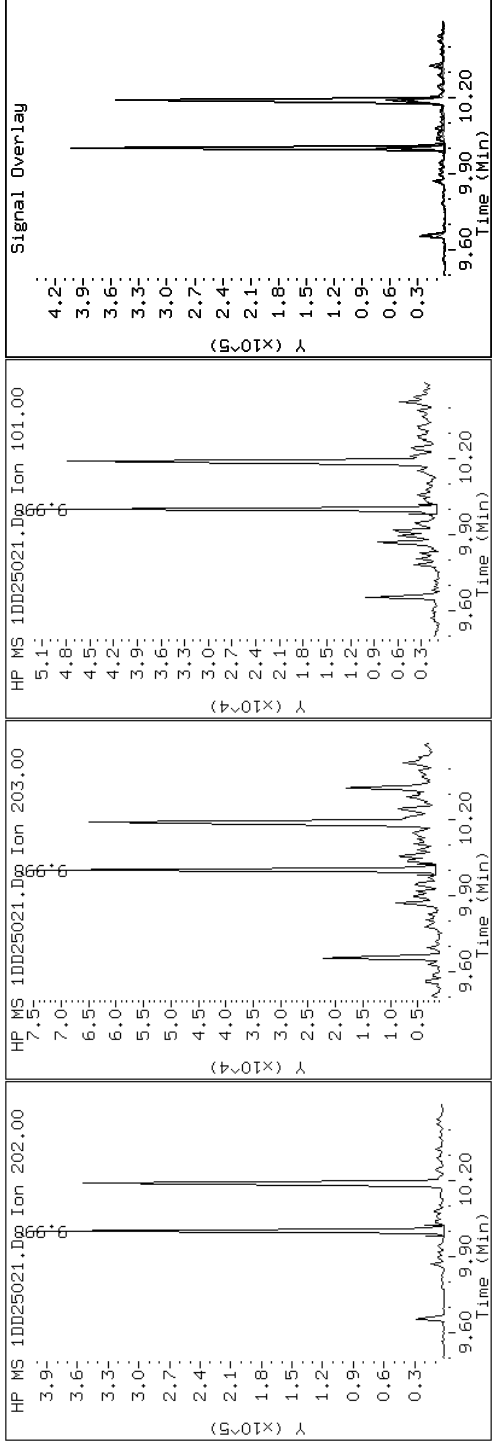
Client ID: CVI264A-CS

Instrument: BSMDS.i

Sample Info: 680-89516-A-20-A

Operator: SCC

14 Fluoranthene



Data File: 1DD25021.D

Date: 25-APR-2013 21:03

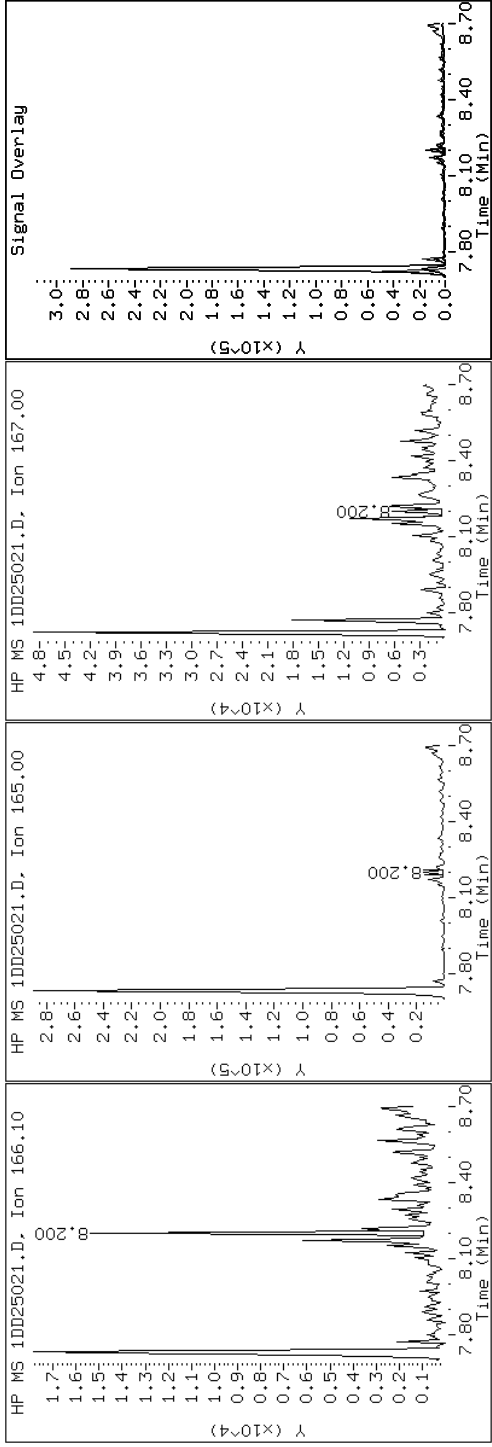
Client ID: CVI264A-CS

Instrument: BSMDS.i

Sample Info: 680-89516-A-20-A

Operator: SCC

8 Fluorene



Data File: 1DD25021.D

Date: 25-APR-2013 21:03

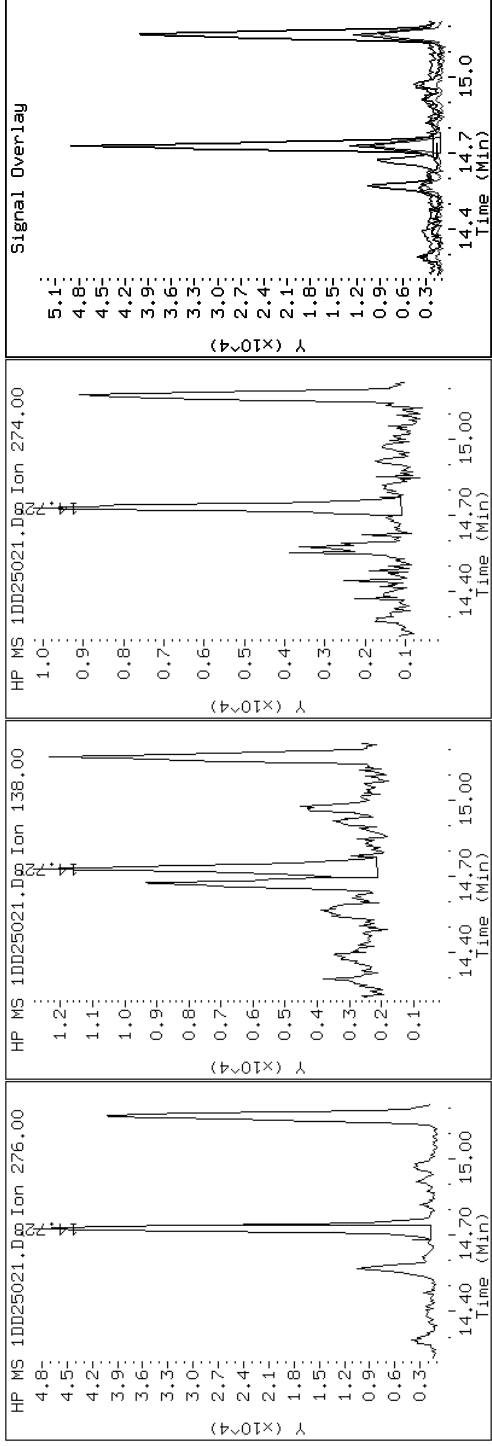
Client ID: CVI264A-CS

Instrument: BSMSD.i

Sample Info: 680-89516-A-20-A

Operator: SCC

23 Indeno(1,2,3-cd)pyrene



Data File: 1DD25021.D

Date: 25-APR-2013 21:03

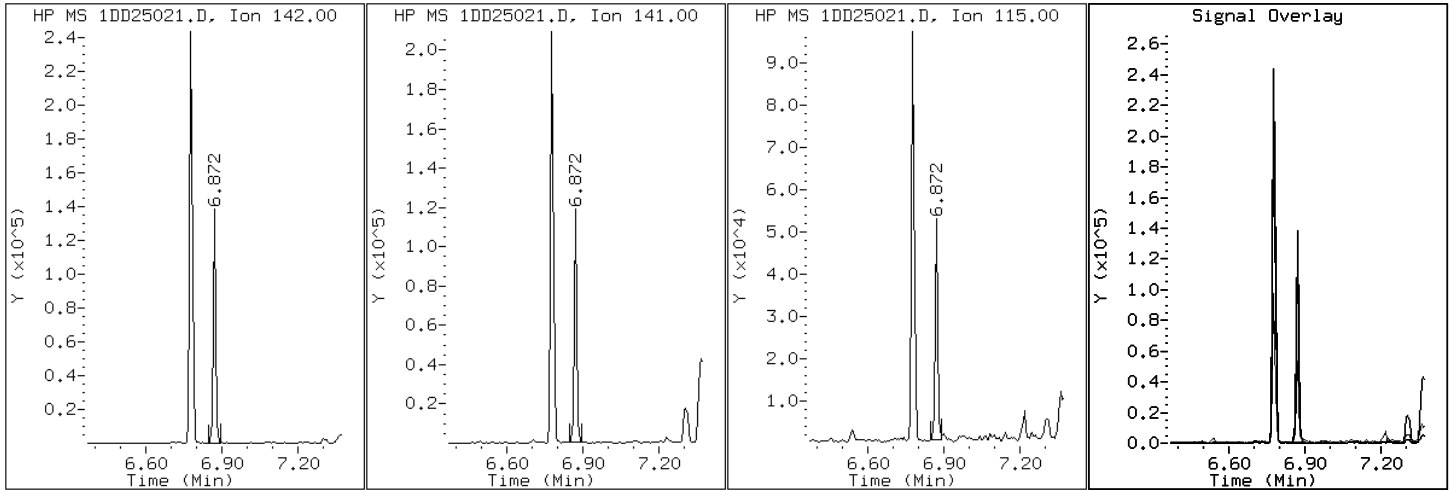
Client ID: CV1264A-CS

Instrument: BSMSD.i

Sample Info: 680-89516-A-20-A

Operator: SCC

4 1-Methylnaphthalene



Data File: 1DD25021.D

Date: 25-APR-2013 21:03

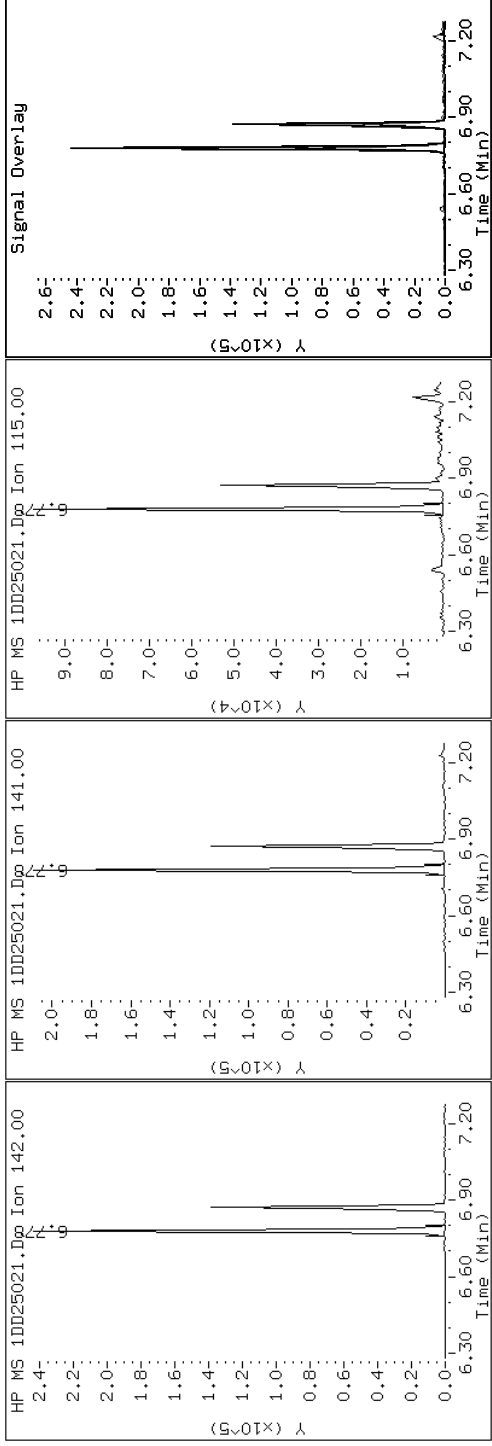
Client ID: CVI264A-CS

Instrument: BSMDS.i

Sample Info: 680-89516-A-20-A

Operator: SCC

3 2-Methylnaphthalene



Data File: 1DD25021.D

Date: 25-APR-2013 21:03

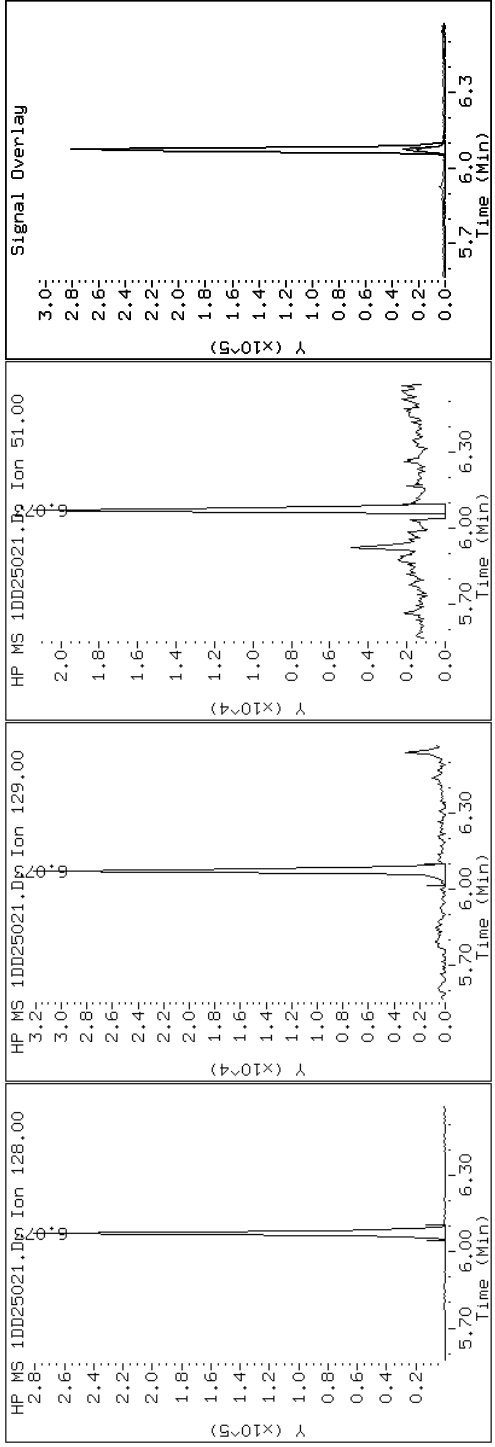
Client ID: CV1264A-CS

Instrument: BSMSD.i

Sample Info: 680-89516-A-20-A

Operator: SCC

2 Naphthalene



Data File: 1DD25021.D

Date: 25-APR-2013 21:03

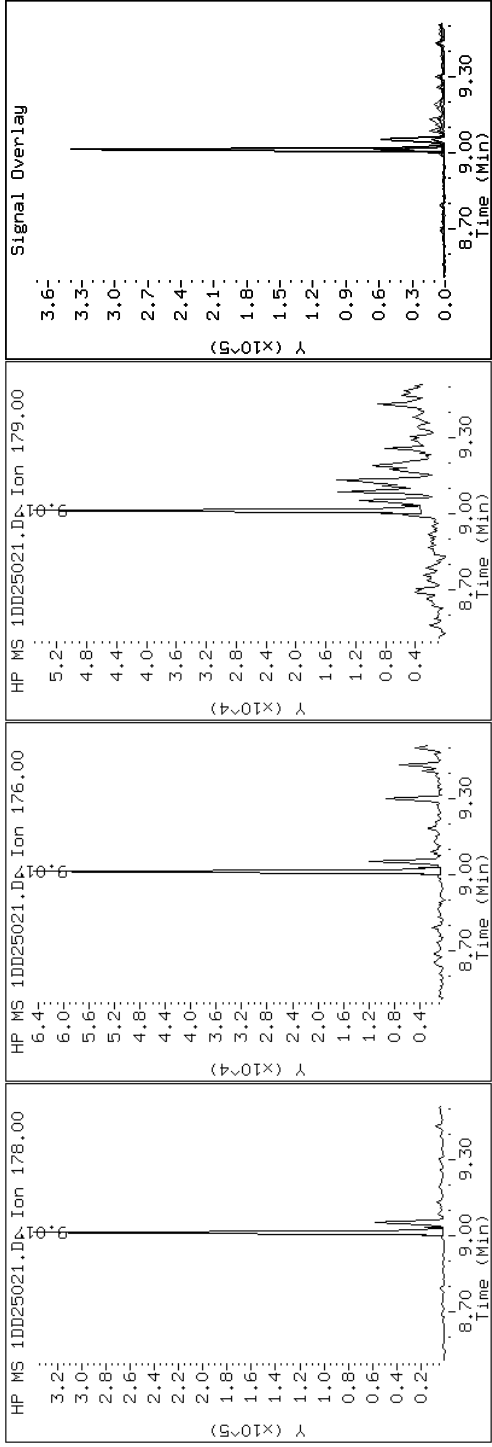
Client ID: CVI264A-CS

Instrument: BSMSD.i

Sample Info: 680-89516-A-20-A

Operator: SCC

10 Phenanthrene



Data File: 1DD25021.D

Date: 25-APR-2013 21:03

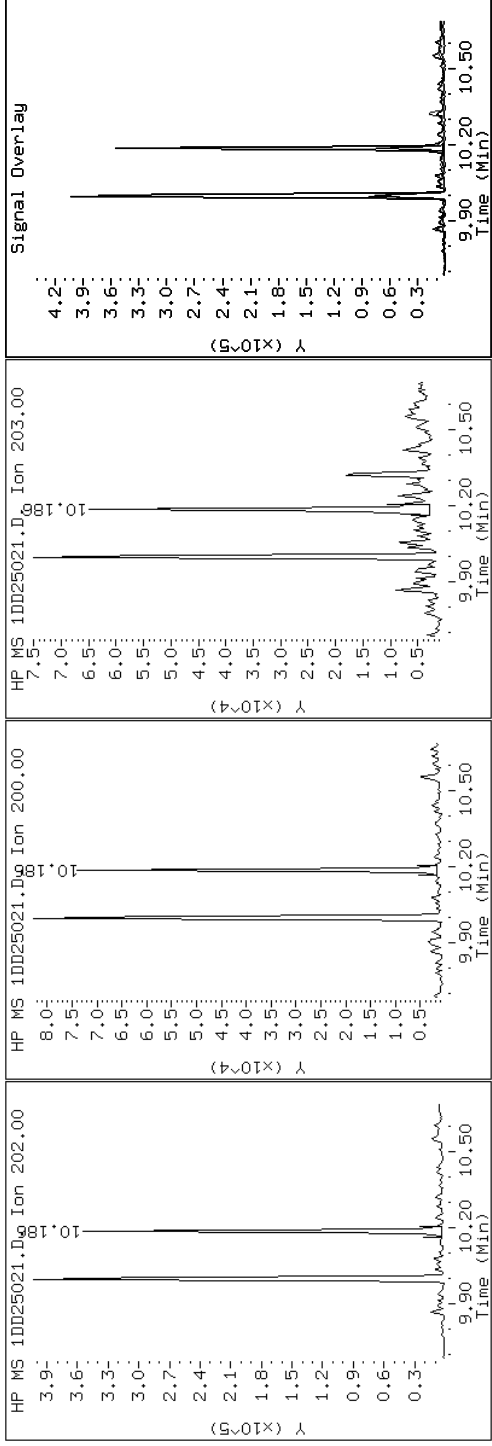
Client ID: CVI264A-CS

Instrument: BSMDS.i

Sample Info: 680-89516-A-20-A

Operator: SCC

15 Pyrene

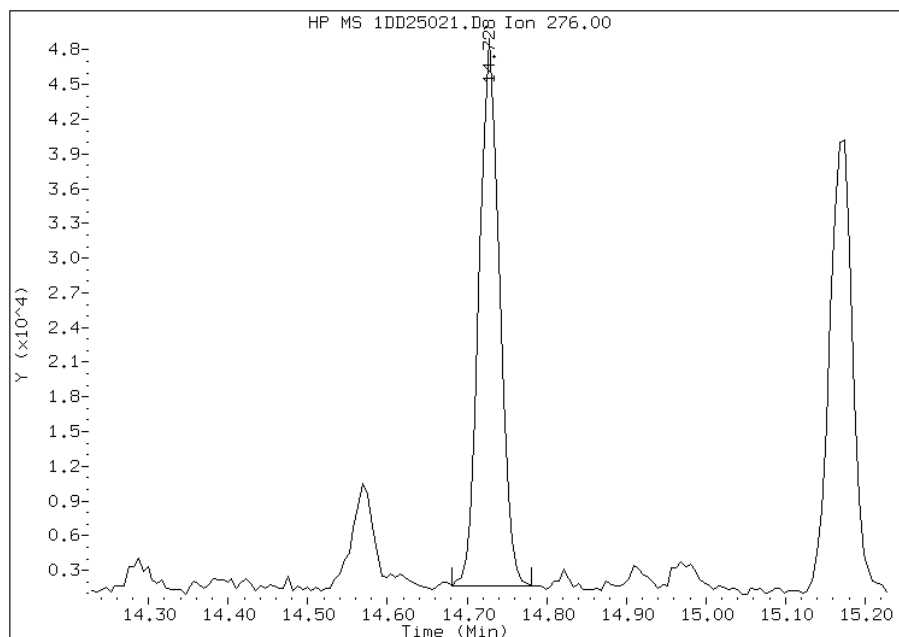


Manual Integration Report

Data File: 1DD25021.D
Inj. Date and Time: 25-APR-2013 21:03
Instrument ID: BSMSD.i
Client ID: CV1264A-CS
Compound: 23 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/26/2013

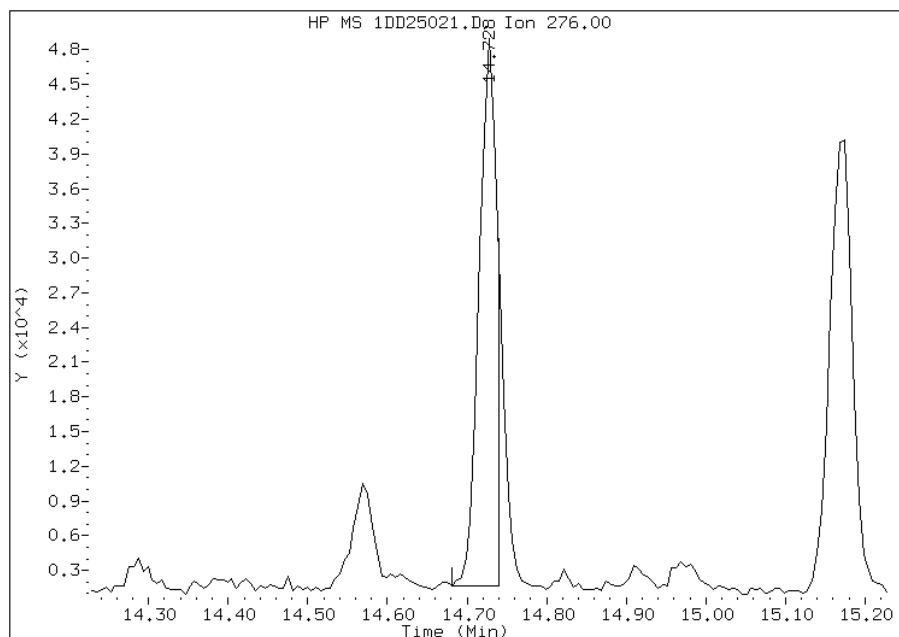
Processing Integration Results

RT: 14.73
Response: 83680
Amount: 1
Conc: 104



Manual Integration Results

RT: 14.73
Response: 73023
Amount: 1
Conc: 91



Manually Integrated By: cantins
Modification Date: 26-Apr-2013 17:27
Manual Integration Reason: Split Peak

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Tampa Job No.: 680-89516-1 Analy Batch No.: 136892

SDG No.: 68089516-1

Instrument ID: BSMA5973 GC Column: DB-5MS ID: 250 (um) Heated Purge: (Y/N) N

Calibration Start Date: 04/26/2013 10:03 Calibration End Date: 04/26/2013 11:34 Calibration ID: 2919

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---------|-------------------|--------------|
| Level 1 | IC 660-136892/3 | 1AD26003.D |
| Level 2 | IC 660-136892/4 | 1AD26004.D |
| Level 3 | IC 660-136892/5 | 1AD26005.D |
| Level 4 | IC 660-136892/6 | 1AD26006.D |
| Level 5 | ICIS 660-136892/7 | 1AD26007.D |
| Level 6 | IC 660-136892/8 | 1AD26008.D |
| Level 7 | IC 660-136892/9 | 1AD26009.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 | | | | | | | | |
| | LVL 6 | LVL 7 | | | | | | | | | | | | | | | |
| Naphthalene | 0.9807 0.9678 | 1.0732 0.8900 | 1.0807 | 1.0246 | 0.9825 | Ave | 0.9999 | | | 0.0000 | 6.6 | | 15.0 | | | | |
| 2-Methylnaphthalene | 0.5475 0.5304 | 0.6500 0.4770 | 0.6525 | 0.5874 | 0.5679 | Ave | 0.5733 | | | 0.0000 | 11.1 | | 15.0 | | | | |
| 1-Methylnaphthalene | 0.6553 0.5728 | 0.7316 0.5089 | 0.7301 | 0.6482 | 0.5991 | Ave | 0.6351 | | | 0.0000 | 12.9 | | 15.0 | | | | |
| Acenaphthylene | 2.3664 2.1362 | 2.6542 1.8462 | 2.6916 | 2.4314 | 2.2380 | Ave | 2.3377 | | | 0.0000 | 12.7 | | 15.0 | | | | |
| Acenaphthene | 1.4118 1.1125 | 1.4011 0.9341 | 1.3816 | 1.2190 | 1.1215 | Ave | 1.2260 | | | 0.0000 | 14.8 | | 15.0 | | | | |
| Fluorene | 1.5097 1.3767 | 1.6462 1.1794 | 1.6636 | 1.5206 | 1.4287 | Ave | 1.4750 | | | 0.0000 | 11.3 | | 15.0 | | | | |
| Phenanthrene | 1.3907 1.0142 | 1.2926 0.9287 | 1.2725 | 1.1400 | 1.0724 | Ave | 1.1587 | | | 0.0000 | 14.4 | | 15.0 | | | | |
| Anthracene | 1.3104 1.0706 | 1.3619 0.9491 | 1.3564 | 1.2393 | 1.1461 | Ave | 1.2048 | | | 0.0000 | 13.0 | | 15.0 | | | | |
| Carbazole | 1.1993 1.0651 | 1.2721 1.0036 | 1.3075 | 1.1642 | 1.1242 | Ave | 1.1623 | | | 0.0000 | 9.3 | | 15.0 | | | | |
| Fluoranthene | 1.3009 1.2420 | 1.4074 1.1640 | 1.5310 | 1.3979 | 1.3252 | Ave | 1.3383 | | | 0.0000 | 9.0 | | 15.0 | | | | |
| Pyrene | 1.4167 1.4769 | 1.6244 1.4080 | 1.6725 | 1.5706 | 1.5132 | Ave | 1.5260 | | | 0.0000 | 6.6 | | 15.0 | | | | |
| Benzo[a]anthracene | 1.5532 1.2283 | 1.2438 1.3069 | 1.3074 | 1.2316 | 1.2729 | Ave | 1.3063 | | | 0.0000 | 8.7 | | 15.0 | | | | |
| Chrysene | 1.5597 1.2058 | 1.4759 1.1272 | 1.3919 | 1.3009 | 1.2153 | Ave | 1.3253 | | | 0.0000 | 11.9 | | 15.0 | | | | |
| Benzo[b]fluoranthene | 1.0058 1.1221 | 1.2872 1.1499 | 1.3036 | 1.2968 | 1.3352 | Ave | 1.2144 | | | 0.0000 | 10.1 | | 15.0 | | | | |

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Tampa Job No.: 680-89516-1 Analy Batch No.: 136892
 SDG No.: 68089516-1
 Instrument ID: BSMA5973 GC Column: DB-5MS ID: 250 (um) Heated Purge: (Y/N) N
 Calibration Start Date: 04/26/2013 10:03 Calibration End Date: 04/26/2013 11:34 Calibration ID: 2919

| 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 | | | | | | | | |
| | LVL 6 | LVL 7 | | | | | | | | | | | | | | | |
| Benzo[k]fluoranthene | 1.5807 1.2951 | 1.4811 1.1583 | 1.6305 | 1.3756 | 1.2523 | Ave | | 1.3962 | | | 0.0000 | 12.5 | 15.0 | | | | |
| Benzo[a]pyrene | 1.0264 1.1766 | 1.1712 1.1154 | 1.3812 | 1.3107 | 1.2749 | Ave | | 1.2081 | | | 0.0000 | 10.1 | 15.0 | | | | |
| Indeno[1,2,3-cd]pyrene | 0.9109 1.1772 | 1.0019 1.2427 | 1.2020 | 1.2085 | 1.2416 | Ave | | 1.1407 | | | 0.0000 | 11.4 | 15.0 | | | | |
| Dibenz(a,h)anthracene | 0.8117 1.0574 | 1.0829 1.0146 | 1.2099 | 1.1482 | 1.1048 | Ave | | 1.0613 | | | 0.0000 | 11.9 | 15.0 | | | | |
| Benzo[g,h,i]perylene | 1.1500 1.2201 | 1.3387 1.2159 | 1.4017 | 1.3373 | 1.2727 | Ave | | 1.2766 | | | 0.0000 | 6.9 | 15.0 | | | | |
| o-Terphenyl | 0.7073 0.5831 | 0.7372 0.5170 | 0.7524 | 0.6639 | 0.6189 | Ave | | 0.6543 | | | 0.0000 | 13.2 | 15.0 | | | | |

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Tampa Job No.: 680-89516-1 Analy Batch No.: 136892

SDG No.: 68089516-1

Instrument ID: BSMA5973 GC Column: DB-5MS ID: 250 (um) Heated Purge: (Y/N) N

Calibration Start Date: 04/26/2013 10:03 Calibration End Date: 04/26/2013 11:34 Calibration ID: 2919

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---------|-------------------|--------------|
| Level 1 | IC 660-136892/3 | 1AD26003.D |
| Level 2 | IC 660-136892/4 | 1AD26004.D |
| Level 3 | IC 660-136892/5 | 1AD26005.D |
| Level 4 | IC 660-136892/6 | 1AD26006.D |
| Level 5 | ICIS 660-136892/7 | 1AD26007.D |
| Level 6 | IC 660-136892/8 | 1AD26008.D |
| Level 7 | IC 660-136892/9 | 1AD26009.D |

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/ML) | | | | |
|----------------------|--------|------------|------------------|------------------|--------|--------|---------|-----------------------|--------------|-------|-------|-------|
| | | | LVL 1 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| | | | LVL 6 | LVL 7 | | | | LVL 6 | LVL 7 | | | |
| Naphthalene | NPT | Ave | 11316 1510520 | 61217 2445644 | 320082 | 595222 | 1158716 | 0.200 30.0 | 1.00 50.0 | 5.00 | 10.0 | 20.0 |
| 2-Methylnaphthalene | NPT | Ave | 6318 827941 | 37078 1310841 | 193264 | 341254 | 669822 | 0.200 30.0 | 1.00 50.0 | 5.00 | 10.0 | 20.0 |
| 1-Methylnaphthalene | NPT | Ave | 7562 894050 | 41731 1398370 | 216239 | 376560 | 706538 | 0.200 30.0 | 1.00 50.0 | 5.00 | 10.0 | 20.0 |
| Acenaphthylene | ANT | Ave | 12402 1556064 | 68056 2504346 | 366926 | 648059 | 1265667 | 0.200 30.0 | 1.00 50.0 | 5.00 | 10.0 | 20.0 |
| Acenaphthene | ANT | Ave | 7399 810394 | 35926 1267057 | 188346 | 324917 | 634267 | 0.200 30.0 | 1.00 50.0 | 5.00 | 10.0 | 20.0 |
| Fluorene | ANT | Ave | 7912 1002855 | 42211 1599840 | 226787 | 405299 | 807968 | 0.200 30.0 | 1.00 50.0 | 5.00 | 10.0 | 20.0 |
| Phenanthrene | PHN | Ave | 12552 1299367 | 56771 2139281 | 300982 | 533287 | 1040972 | 0.200 30.0 | 1.00 50.0 | 5.00 | 10.0 | 20.0 |
| Anthracene | PHN | Ave | 11827 1371502 | 59817 2186210 | 320832 | 579771 | 1112517 | 0.200 30.0 | 1.00 50.0 | 5.00 | 10.0 | 20.0 |
| Carbazole | PHN | Ave | 10825 1364561 | 55869 2311786 | 309273 | 544612 | 1091227 | 0.200 30.0 | 1.00 50.0 | 5.00 | 10.0 | 20.0 |
| Fluoranthene | PHN | Ave | 11742 1591115 | 61813 2681447 | 362121 | 653973 | 1286350 | 0.200 30.0 | 1.00 50.0 | 5.00 | 10.0 | 20.0 |
| Pyrene | CRY | Ave | 12588 1716784 | 69806 2760027 | 387490 | 693219 | 1367080 | 0.200 30.0 | 1.00 50.0 | 5.00 | 10.0 | 20.0 |
| Benzo[a]anthracene | CRY | Ave | 13801 1427778 | 53450 2561817 | 302918 | 543586 | 1149947 | 0.200 30.0 | 1.00 50.0 | 5.00 | 10.0 | 20.0 |
| Chrysene | CRY | Ave | 13859 1401601 | 63425 2209729 | 322491 | 574179 | 1097962 | 0.200 30.0 | 1.00 50.0 | 5.00 | 10.0 | 20.0 |
| Benzo[b]fluoranthene | PRY | Ave | 9306 1402018 | 56273 2501570 | 315397 | 597877 | 1243307 | 0.200 30.0 | 1.00 50.0 | 5.00 | 10.0 | 20.0 |
| Benzo[k]fluoranthene | PRY | Ave | 14625 1618107 | 64750 2519945 | 394484 | 634191 | 1166129 | 0.200 30.0 | 1.00 50.0 | 5.00 | 10.0 | 20.0 |

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Tampa Job No.: 680-89516-1 Analy Batch No.: 136892

SDG No.: 68089516-1

Instrument ID: BSMA5973 GC Column: DB-5MS ID: 250 (um) Heated Purge: (Y/N) N

Calibration Start Date: 04/26/2013 10:03 Calibration End Date: 04/26/2013 11:34 Calibration ID: 2919

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/ML) | | | | |
|------------------------|--------|------------|------------------|------------------|--------|--------|---------|-----------------------|--------------|-------|-------|-------|
| | | | LVL 1 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| | | | LVL 6 | LVL 7 | | | | LVL 6 | LVL 7 | | | |
| Benzo[a]pyrene | PRY | Ave | 9497 1470103 | 51202 2426657 | 334183 | 604286 | 1187145 | 0.200 30.0 | 1.00 50.0 | 5.00 | 10.0 | 20.0 |
| Indeno[1,2,3-cd]pyrene | PRY | Ave | 8428 1470861 | 43801 2703546 | 290809 | 557142 | 1156108 | 0.200 30.0 | 1.00 50.0 | 5.00 | 10.0 | 20.0 |
| Dibenz(a,h)anthracene | PRY | Ave | 7510 1321140 | 47341 2207196 | 292736 | 529334 | 1028761 | 0.200 30.0 | 1.00 50.0 | 5.00 | 10.0 | 20.0 |
| Benzo[g,h,i]perylene | PRY | Ave | 10640 1524482 | 58526 2645132 | 339141 | 616524 | 1185137 | 0.200 30.0 | 1.00 50.0 | 5.00 | 10.0 | 20.0 |
| o-Terphenyl | PHN | Ave | 6384 747046 | 32378 1190919 | 177967 | 310562 | 600782 | 0.200 30.0 | 1.00 50.0 | 5.00 | 10.0 | 20.0 |

Curve Type Legend:

Ave = Average ISTD

TestAmerica Laboratories

Semivolatiles 8270C low level PAH

Data file : \\tam-chemsrv\chem\SM\BSMA5973.i\1A042613.b\1AD26003.D
 Lab Smp Id: IC-1531396
 Inj Date : 26-APR-2013 10:03
 Operator : SCC
 Smp Info : IC-1531396
 Misc Info :
 Comment :
 Method : \\tam-chemsrv\chem\SM\BSMA5973.i\1A042613.b\a-bFASTPAHi-m.m
 Meth Date : 26-Apr-2013 12:59 BSMA5973.i Quant Type: ISTD
 Cal Date : 26-APR-2013 11:03 Cal File: 1AD26007.D
 Als bottle: 3 Calibration Sample, Level: 1
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

| Compounds | QUANT | SIG | AMOUNTS | | | | | ON-COL |
|---------------------------|-------|-----|---------|-------|---------|---------|----------|------------|
| | | | MASS | RT | EXP RT | REL RT | RESPONSE | |
| * 1 Naphthalene-d8 | 136 | | 2.578 | 2.580 | (1.000) | 2307813 | 40.0000 | |
| * 6 Acenaphthene-d10 | 164 | | 3.609 | 3.606 | (1.000) | 1048180 | 40.0000 | |
| * 10 Phenanthrene-d10 | 188 | | 4.560 | 4.562 | (1.000) | 1805166 | 40.0000 | |
| \$ 14 o-Terphenyl | 230 | | 4.859 | 4.861 | (1.066) | 6384 | 0.20000 | 0.1909 |
| * 18 Chrysene-d12 | 240 | | 6.579 | 6.581 | (1.000) | 1777148 | 40.0000 | |
| * 23 Perylene-d12 | 264 | | 7.664 | 7.666 | (1.000) | 1850467 | 40.0000 | |
| 2 Naphthalene | 128 | | 2.589 | 2.591 | (1.004) | 11316 | 0.20000 | 0.2368 |
| 3 2-Methylnaphthalene | 141 | | 2.995 | 2.997 | (1.162) | 6318 | 0.20000 | 0.2274 |
| 4 1-Methylnaphthalene | 142 | | 3.048 | 3.050 | (1.182) | 7562 | 0.20000 | 0.1607 |
| 5 Acenaphthylene | 152 | | 3.518 | 3.520 | (0.975) | 12402 | 0.20000 | 0.3039 |
| 7 Acenaphthene | 154 | | 3.625 | 3.627 | (1.004) | 7399 | 0.20000 | 0.4114 |
| 9 Fluorene | 166 | | 3.935 | 3.942 | (1.090) | 7912 | 0.20000 | 0.4114 |
| 11 Phenanthrene | 178 | | 4.571 | 4.578 | (1.002) | 12552 | 0.20000 | 0.1032 |
| 12 Anthracene | 178 | | 4.603 | 4.610 | (1.009) | 11827 | 0.20000 | 0.2150 |
| 13 Carbazole | 167 | | 4.731 | 4.738 | (1.037) | 10825 | 0.20000 | 0.0501 |
| 15 Fluoranthene | 202 | | 5.436 | 5.438 | (1.192) | 11742 | 0.20000 | 0.0685 |
| 16 Pyrene | 202 | | 5.602 | 5.604 | (0.851) | 12588 | 0.20000 | 0.1856 |
| 17 Benzo(a)anthracene | 228 | | 6.569 | 6.565 | (0.998) | 13801 | 0.20000 | 0.2377 |
| 19 Chrysene | 228 | | 6.590 | 6.597 | (1.002) | 13859 | 0.20000 | 0.2353 |
| 20 Benzo(b)fluoranthene | 252 | | 7.381 | 7.388 | (0.963) | 9306 | 0.20000 | 0.1656 |
| 21 Benzo(k)fluoranthene | 252 | | 7.397 | 7.409 | (0.965) | 14625 | 0.20000 | 0.2264(M) |
| 22 Benzo(a)pyrene | 252 | | 7.605 | 7.612 | (0.992) | 9497 | 0.20000 | -0.7697(a) |
| 24 Indeno(1,2,3-cd)pyrene | 276 | | 8.417 | 8.430 | (1.098) | 8428 | 0.20000 | 0.3771(M) |
| 25 Dibenzo(a,h)anthracene | 278 | | 8.444 | 8.457 | (1.102) | 7510 | 0.20000 | 0.1529 |
| 26 Benzo(g,h,i)perylene | 276 | | 8.631 | 8.654 | (1.126) | 10640 | 0.20000 | 0.1801(M) |

QC Flag Legend

- a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
- M - Compound response manually integrated.

Data File: 1AD26003.D

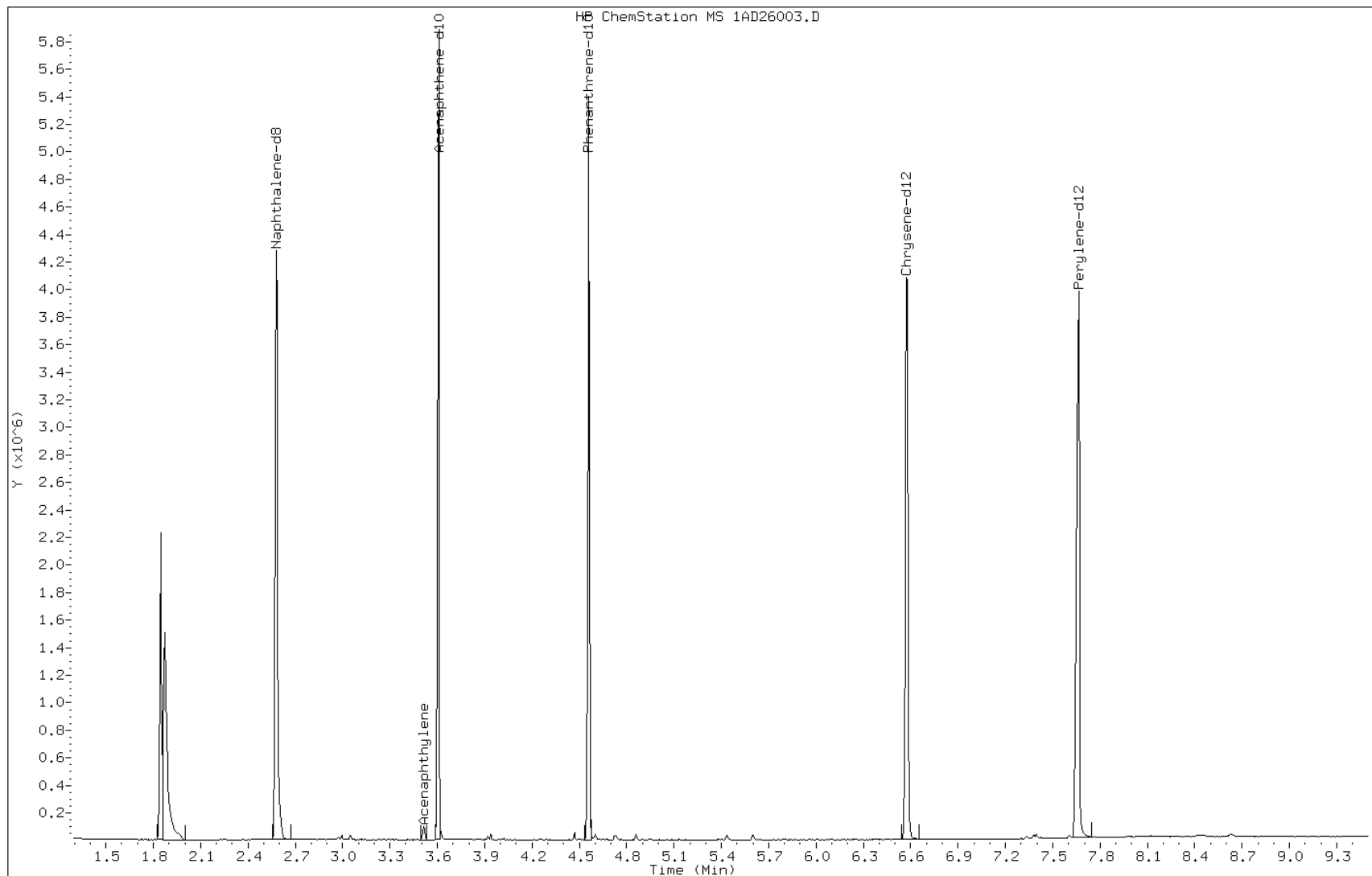
Date: 26-APR-2013 10:03

Client ID:

Instrument: BSMA5973.i

Sample Info: IC-1531396

Operator: SCC

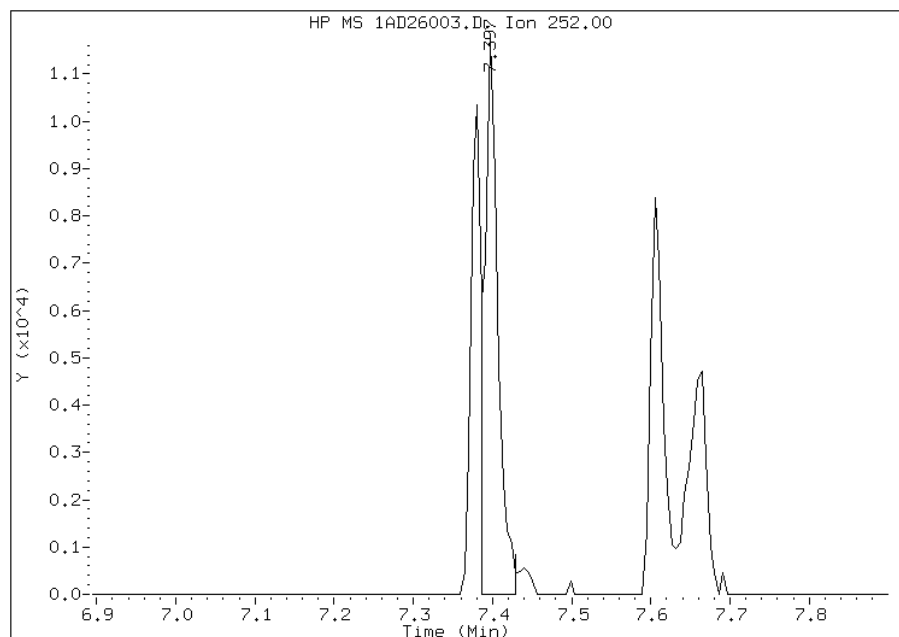


Manual Integration Report

Data File: 1AD26003.D
Inj. Date and Time: 26-APR-2013 10:03
Instrument ID: BSMA5973.i
Client ID:
Compound: 21 Benzo(k)fluoranthene
CAS #: 207-08-9
Report Date: 04/26/2013

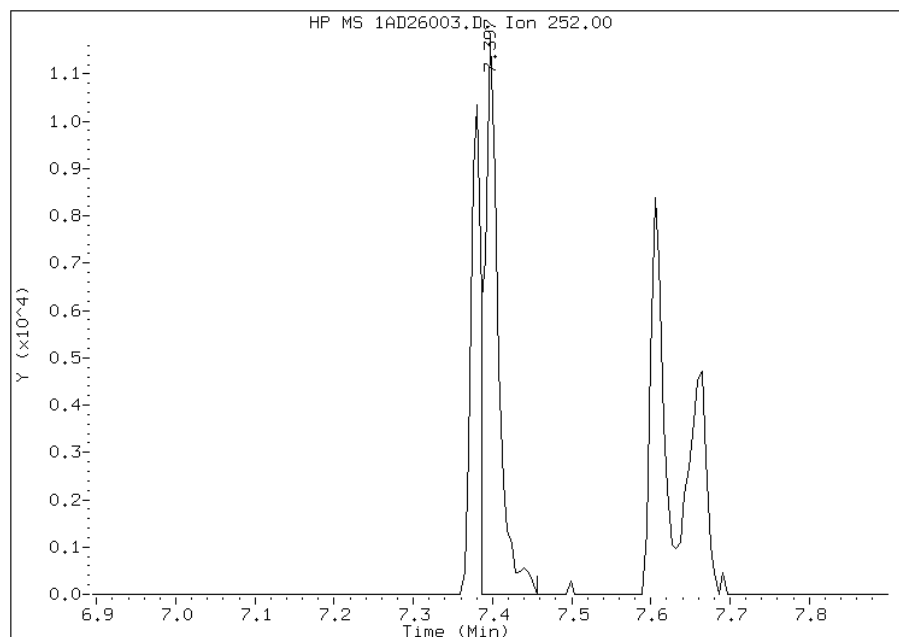
Processing Integration Results

RT: 7.40
Response: 14089
Amount: 0
Conc: 0



Manual Integration Results

RT: 7.40
Response: 14625
Amount: 0
Conc: 0



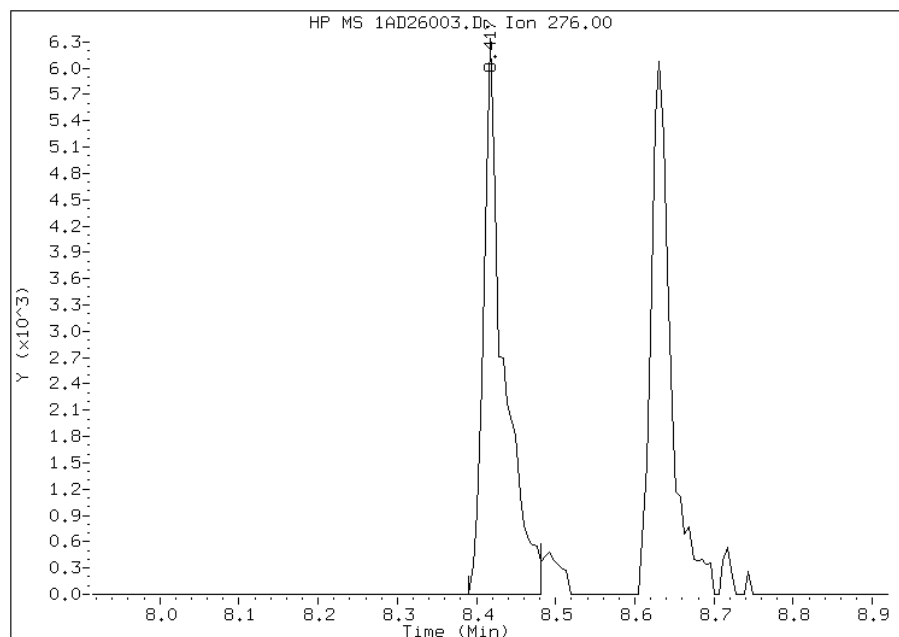
Manually Integrated By: cantins
Modification Date: 26-Apr-2013 12:57
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1AD26003.D
Inj. Date and Time: 26-APR-2013 10:03
Instrument ID: BSMA5973.i
Client ID:
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/26/2013

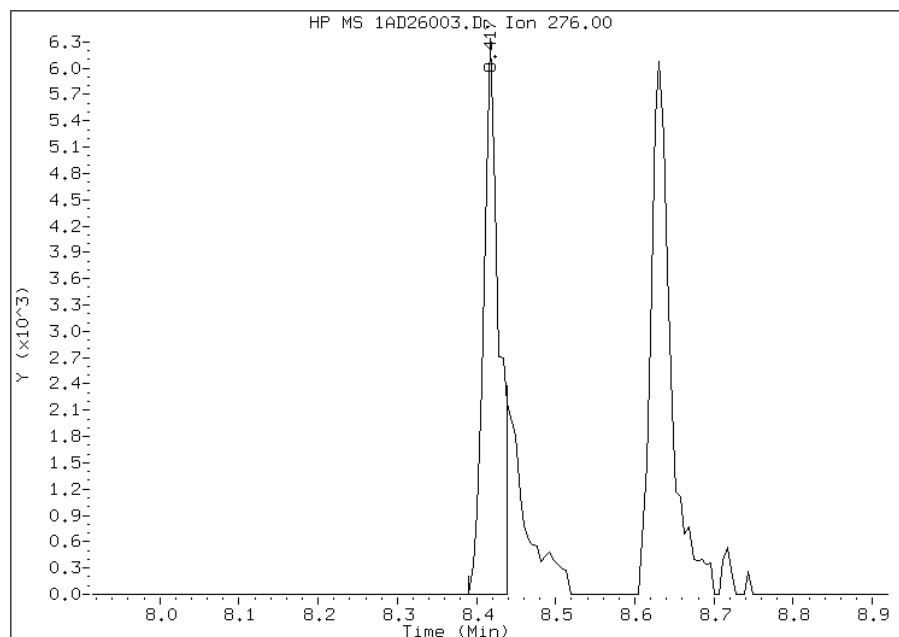
Processing Integration Results

RT: 8.42
Response: 10930
Amount: 0
Conc: 0



Manual Integration Results

RT: 8.42
Response: 8428
Amount: 0
Conc: 0



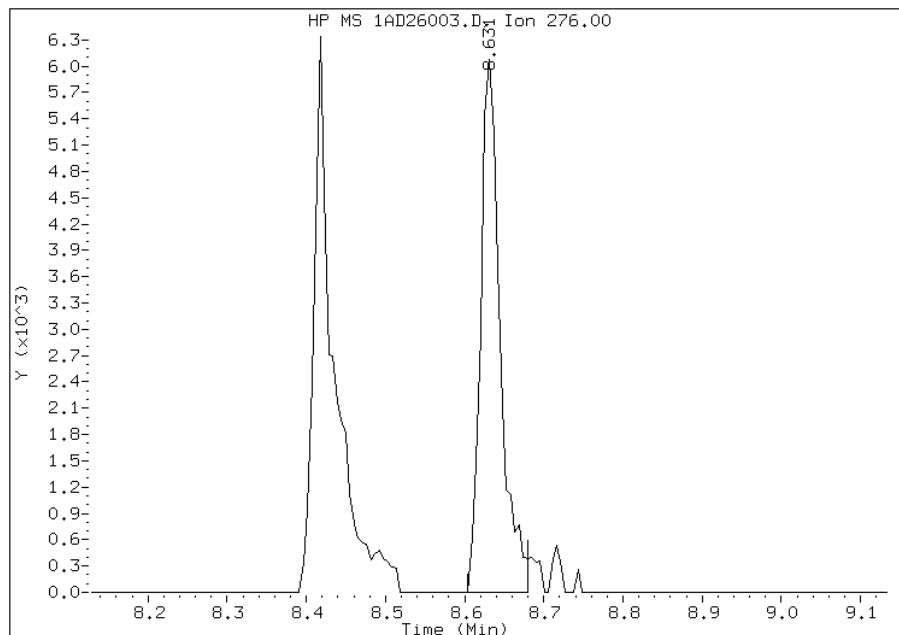
Manually Integrated By: cantins
Modification Date: 26-Apr-2013 12:51
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: 1AD26003.D
Inj. Date and Time: 26-APR-2013 10:03
Instrument ID: BSMA5973.i
Client ID:
Compound: 26 Benzo(g,h,i)perylene
CAS #: 191-24-2
Report Date: 04/26/2013

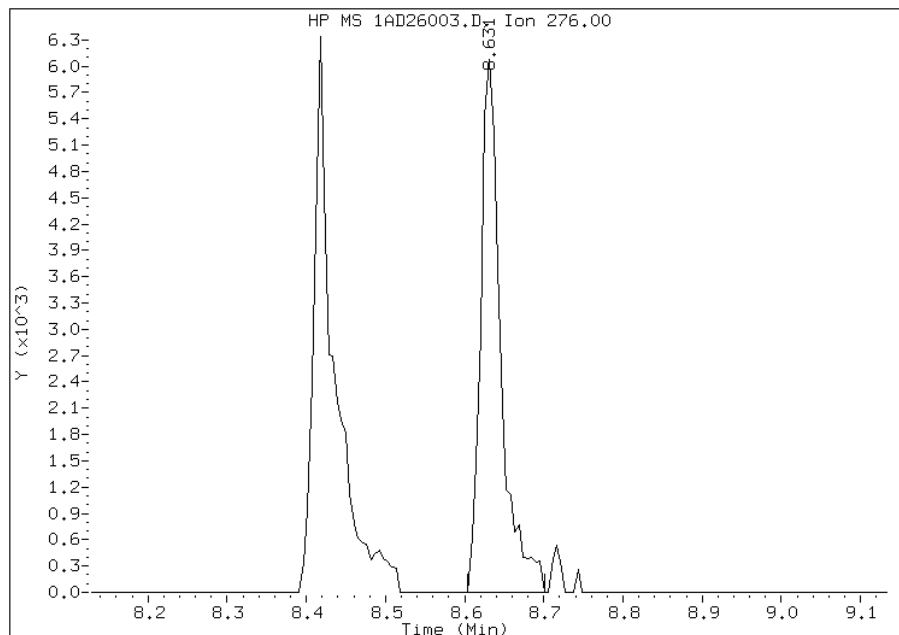
Processing Integration Results

RT: 8.63
Response: 10297
Amount: 0
Conc: 0



Manual Integration Results

RT: 8.63
Response: 10640
Amount: 0
Conc: 0



Manually Integrated By: cantins
Modification Date: 26-Apr-2013 12:51
Manual Integration Reason: Baseline Event

TestAmerica Laboratories

Semivolatile 8270C low level PAH

Data file : \\tam-chemsrv\chem\SM\BSMA5973.i\1A042613.b\1AD26004.D
 Lab Smp Id: IC-1531398
 Inj Date : 26-APR-2013 10:18
 Operator : SCC
 Smp Info : IC-1531398
 Misc Info :
 Comment :
 Method : \\tam-chemsrv\chem\SM\BSMA5973.i\1A042613.b\a-bFASTPAHi-m.m
 Meth Date : 26-Apr-2013 12:59 BSMA5973.i Quant Type: ISTD
 Cal Date : 26-APR-2013 10:03 Cal File: 1AD26003.D
 Als bottle: 4 Calibration Sample, Level: 2
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

| Compounds | QUANT SIG | | AMOUNTS | | | | |
|---------------------------|-----------|-------|---------|---------|----------|--------------------|-------------------|
| | MASS | RT | EXP RT | REL RT | RESPONSE | CAL-AMT (ug/ml) | ON-COL (ug/ml) |
| * 1 Naphthalene-d8 | 136 | 2.581 | 2.580 | (1.000) | 2281622 | 40.0000 | |
| * 6 Acenaphthene-d10 | 164 | 3.607 | 3.606 | (1.000) | 1025638 | 40.0000 | |
| * 10 Phenanthrene-d10 | 188 | 4.558 | 4.562 | (1.000) | 1756807 | 40.0000 | |
| \$ 14 o-Terphenyl | 230 | 4.857 | 4.861 | (1.066) | 32378 | 1.00000 | 0.9805 |
| * 18 Chrysene-d12 | 240 | 6.577 | 6.581 | (1.000) | 1718926 | 40.0000 | |
| * 23 Perylene-d12 | 264 | 7.656 | 7.666 | (1.000) | 1748681 | 40.0000 | |
| 2 Naphthalene | 128 | 2.592 | 2.591 | (1.004) | 61217 | 1.00000 | 1.0359 |
| 3 2-Methylnaphthalene | 141 | 2.993 | 2.997 | (1.159) | 37078 | 1.00000 | 1.0345 |
| 4 1-Methylnaphthalene | 142 | 3.051 | 3.050 | (1.182) | 41731 | 1.00000 | 0.9917 |
| 5 Acenaphthylene | 152 | 3.516 | 3.520 | (0.975) | 68056 | 1.00000 | 1.0573 |
| 7 Acenaphthene | 154 | 3.623 | 3.627 | (1.004) | 35926 | 1.00000 | 1.1516 |
| 9 Fluorene | 166 | 3.938 | 3.942 | (1.092) | 42211 | 1.00000 | 1.1307 |
| 11 Phenanthrene | 178 | 4.574 | 4.578 | (1.004) | 56771 | 1.00000 | 0.9390 |
| 12 Anthracene | 178 | 4.606 | 4.610 | (1.011) | 59817 | 1.00000 | 0.9961 |
| 13 Carbazole | 167 | 4.734 | 4.738 | (1.039) | 55869 | 1.00000 | 0.9041 |
| 15 Fluoranthene | 202 | 5.434 | 5.438 | (1.192) | 61813 | 1.00000 | 0.8589 |
| 16 Pyrene | 202 | 5.600 | 5.604 | (0.851) | 69806 | 1.00000 | 1.0644 |
| 17 Benzo(a)anthracene | 228 | 6.561 | 6.565 | (0.998) | 53450 | 1.00000 | 0.9521 |
| 19 Chrysene | 228 | 6.588 | 6.597 | (1.002) | 63425 | 1.00000 | 1.1136 |
| 20 Benzo(b)fluoranthene | 252 | 7.379 | 7.388 | (0.964) | 56273 | 1.00000 | 1.0599 |
| 21 Benzo(k)fluoranthene | 252 | 7.400 | 7.409 | (0.967) | 64750 | 1.00000 | 1.0607(M) |
| 22 Benzo(a)pyrene | 252 | 7.603 | 7.612 | (0.993) | 51202 | 1.00000 | 0.0904 |
| 24 Indeno(1,2,3-cd)pyrene | 276 | 8.410 | 8.430 | (1.098) | 43801 | 1.00000 | 1.0407(M) |
| 25 Dibenzo(a,h)anthracene | 278 | 8.436 | 8.457 | (1.102) | 47341 | 1.00000 | 1.0203(M) |
| 26 Benzo(g,h,i)perylene | 276 | 8.623 | 8.654 | (1.126) | 58526 | 1.00000 | 1.0486(M) |

QC Flag Legend

M - Compound response manually integrated.

Data File: 1AD26004.D

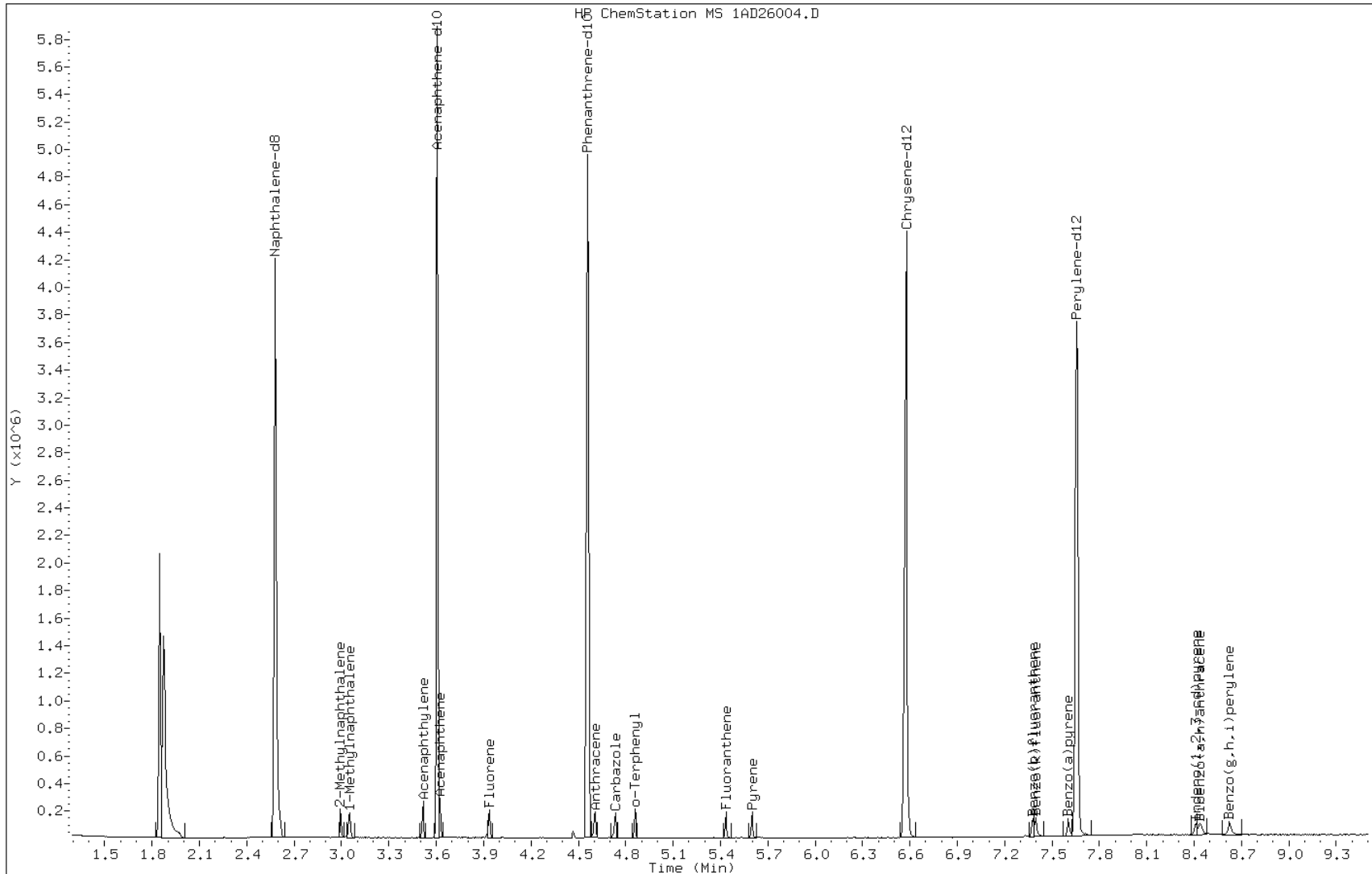
Date: 26-APR-2013 10:18

Client ID:

Instrument: BSMA5973.i

Sample Info: IC-1531398

Operator: SCC

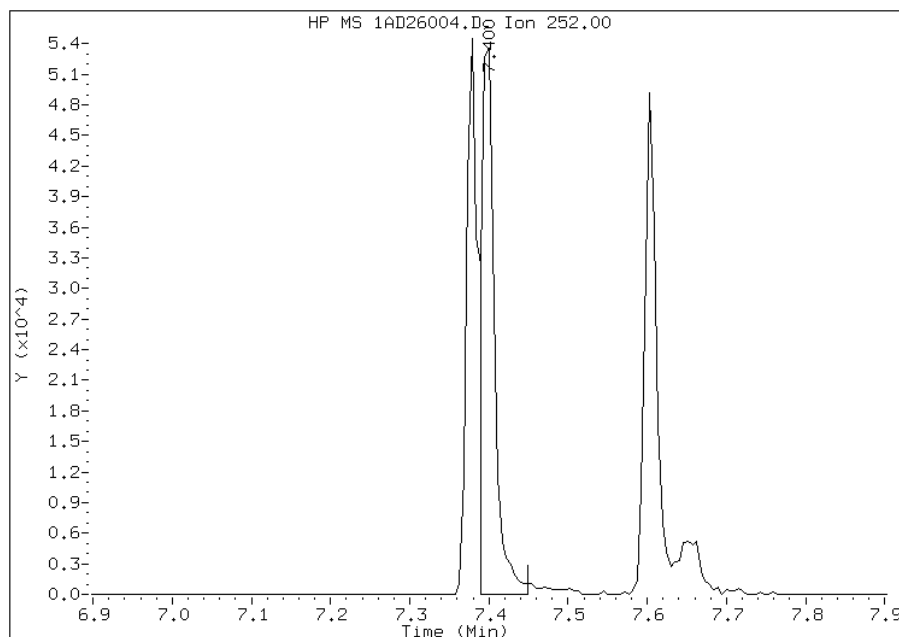


Manual Integration Report

Data File: 1AD26004.D
Inj. Date and Time: 26-APR-2013 10:18
Instrument ID: BSMA5973.i
Client ID:
Compound: 21 Benzo(k)fluoranthene
CAS #: 207-08-9
Report Date: 04/26/2013

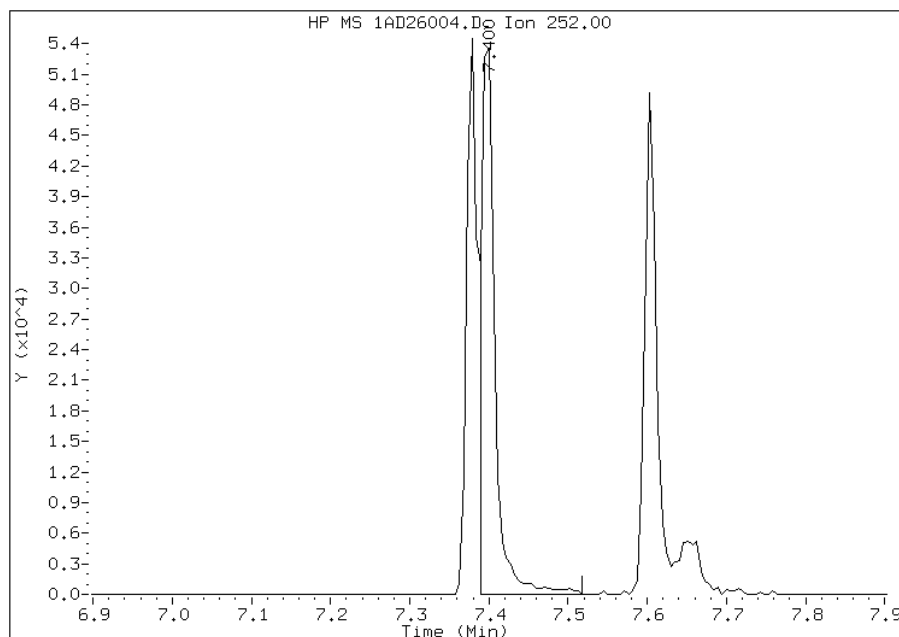
Processing Integration Results

RT: 7.40
Response: 62638
Amount: 1
Conc: 1



Manual Integration Results

RT: 7.40
Response: 64750
Amount: 1
Conc: 1



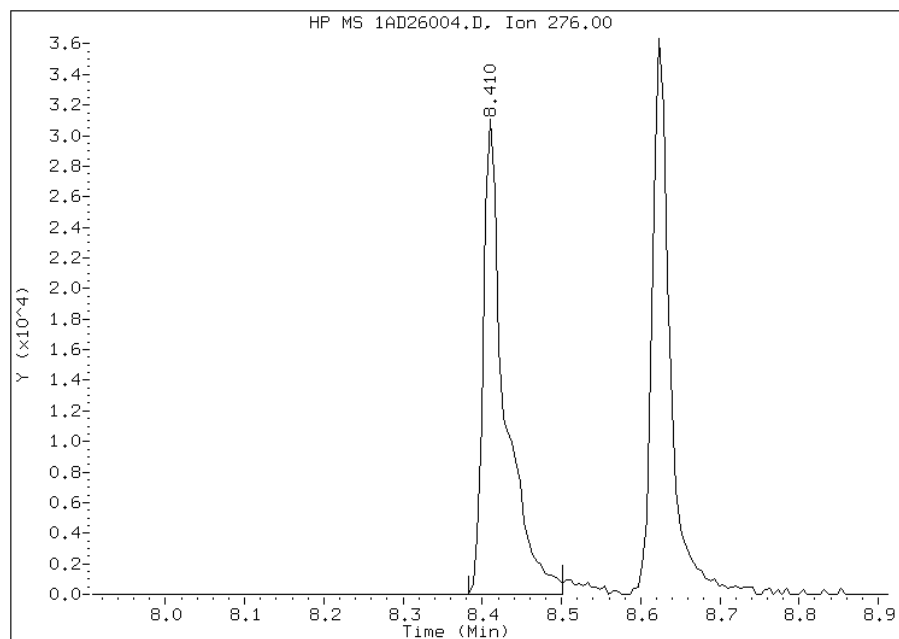
Manually Integrated By: cantins
Modification Date: 26-Apr-2013 12:51
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1AD26004.D
Inj. Date and Time: 26-APR-2013 10:18
Instrument ID: BSMA5973.i
Client ID:
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/26/2013

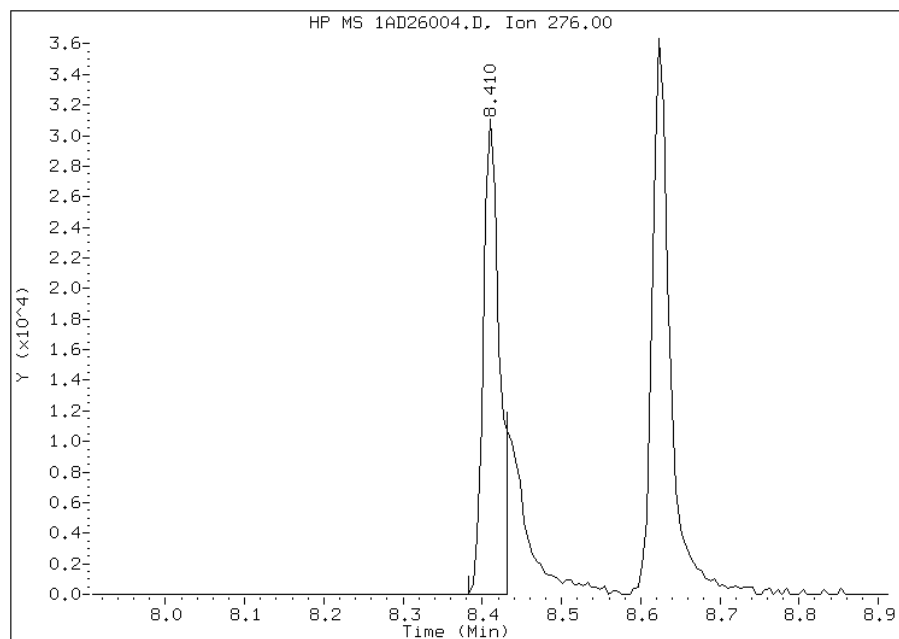
Processing Integration Results

RT: 8.41
Response: 58698
Amount: 1
Conc: 1



Manual Integration Results

RT: 8.41
Response: 43801
Amount: 1
Conc: 1



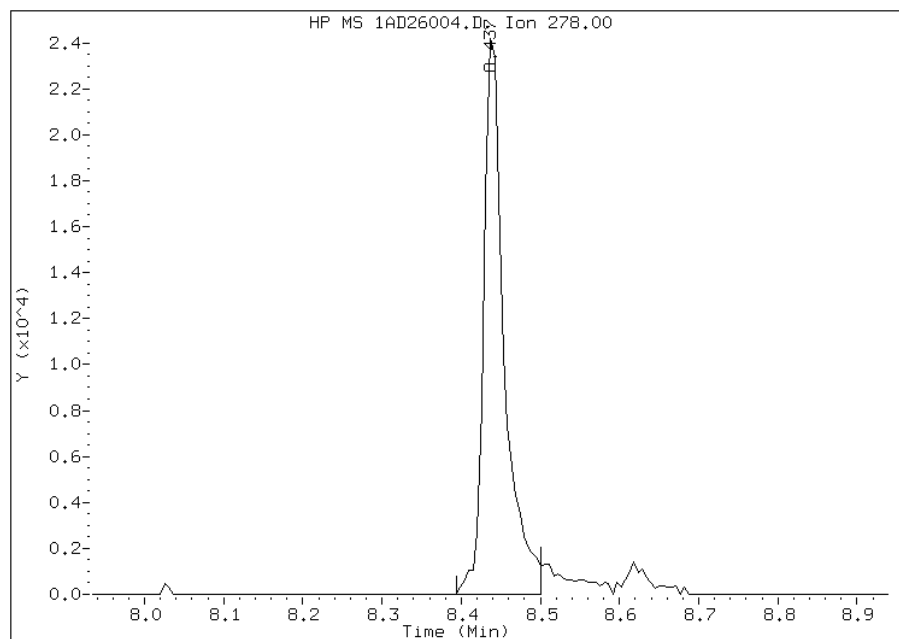
Manually Integrated By: cantins
Modification Date: 26-Apr-2013 12:52
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: 1AD26004.D
Inj. Date and Time: 26-APR-2013 10:18
Instrument ID: BSMA5973.i
Client ID:
Compound: 25 Dibenzo(a,h)anthracene
CAS #: 53-70-3
Report Date: 04/26/2013

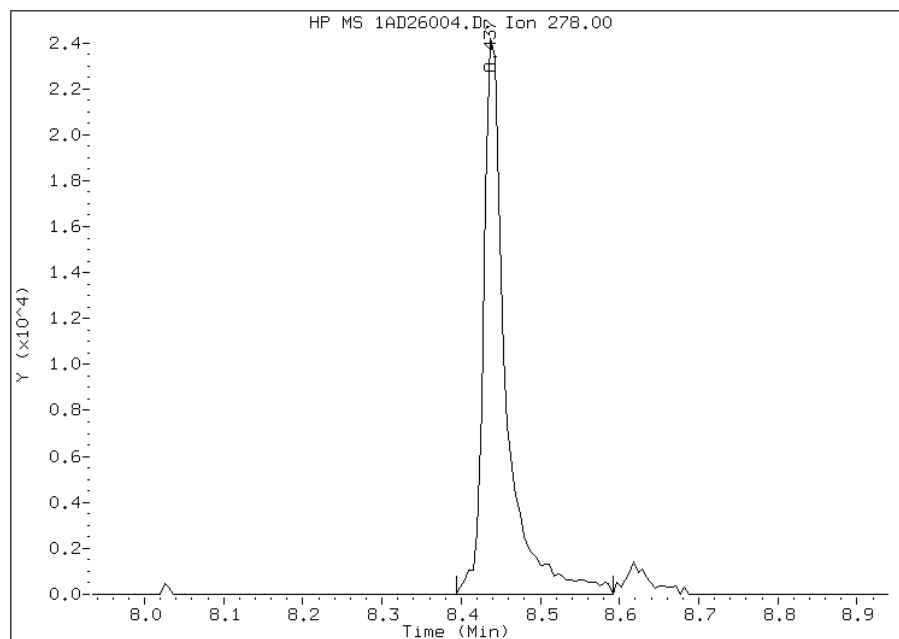
Processing Integration Results

RT: 8.44
Response: 43759
Amount: 1
Conc: 1



Manual Integration Results

RT: 8.44
Response: 47341
Amount: 1
Conc: 1



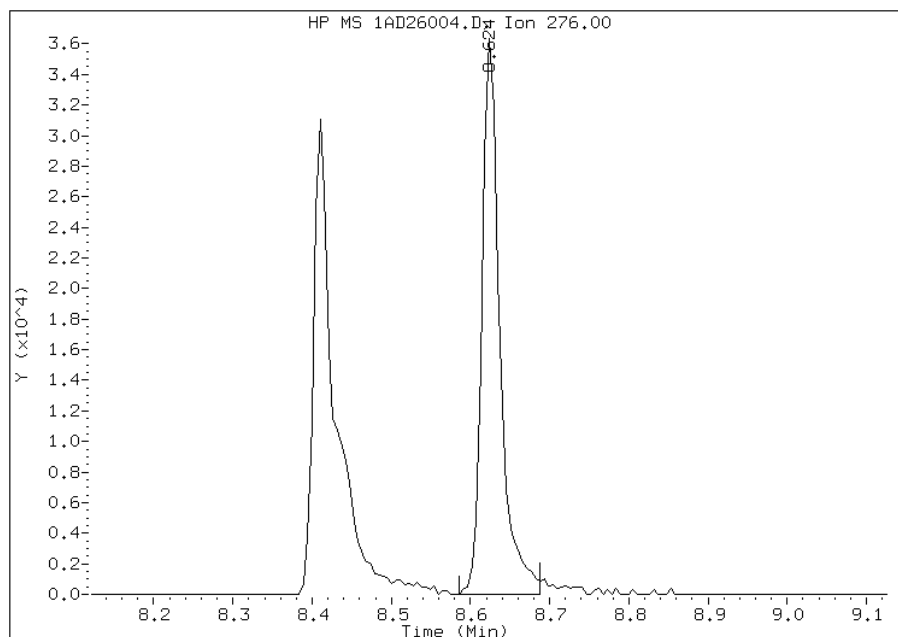
Manually Integrated By: cantins
Modification Date: 26-Apr-2013 12:52
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1AD26004.D
Inj. Date and Time: 26-APR-2013 10:18
Instrument ID: BSMA5973.i
Client ID:
Compound: 26 Benzo(g,h,i)perylene
CAS #: 191-24-2
Report Date: 04/26/2013

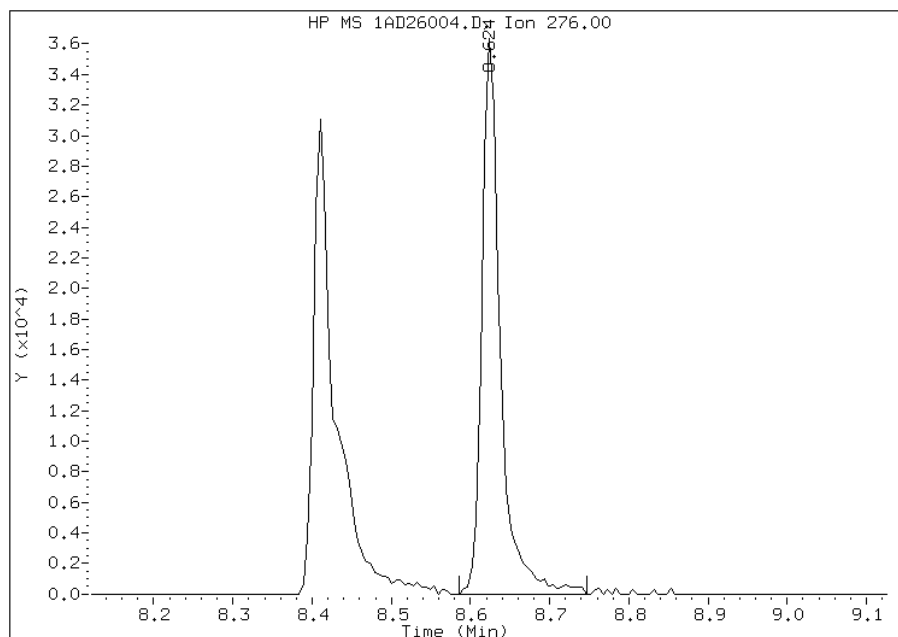
Processing Integration Results

RT: 8.62
Response: 56611
Amount: 1
Conc: 1



Manual Integration Results

RT: 8.62
Response: 58526
Amount: 1
Conc: 1



Manually Integrated By: cantins
Modification Date: 26-Apr-2013 12:52
Manual Integration Reason: Baseline Event

TestAmerica Laboratories

Semivolatiles 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMA5973.i\1A042613.b\1AD26005.D
 Lab Smp Id: IC-1531399
 Inj Date : 26-APR-2013 10:33
 Operator : SCC
 Smp Info : IC-1531399
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMA5973.i\1A042613.b\A-BFASTPAHi-m.m
 Meth Date : 26-Apr-2013 12:59 BSMA5973.i Quant Type: ISTD
 Cal Date : 26-APR-2013 10:18 Cal File: 1AD26004.D
 Als bottle: 5 Calibration Sample, Level: 3
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

| Compounds | QUANT SIG | | AMOUNTS | | | | |
|---------------------------|-----------|-------|---------|---------|----------|-----------------|----------------|
| | MASS | RT | EXP RT | REL RT | RESPONSE | CAL-AMT (ug/ml) | ON-COL (ug/ml) |
| * 1 Naphthalene-d8 | 136 | 2.576 | 2.580 | (1.000) | 2369530 | 40.0000 | |
| * 6 Acenaphthene-d10 | 164 | 3.607 | 3.606 | (1.000) | 1090579 | 40.0000 | |
| * 10 Phenanthrene-d10 | 188 | 4.558 | 4.562 | (1.000) | 1892246 | 40.0000 | |
| \$ 14 o-Terphenyl | 230 | 4.862 | 4.861 | (1.067) | 177967 | 5.00000 | 5.2550 |
| * 18 Chrysene-d12 | 240 | 6.577 | 6.581 | (1.000) | 1853494 | 40.0000 | |
| * 23 Perylene-d12 | 264 | 7.662 | 7.666 | (1.000) | 1935554 | 40.0000 | |
| 2 Naphthalene | 128 | 2.592 | 2.591 | (1.006) | 320082 | 5.00000 | 5.0894 |
| 3 2-Methylnaphthalene | 141 | 2.993 | 2.997 | (1.162) | 193264 | 5.00000 | 5.1484 |
| 4 1-Methylnaphthalene | 142 | 3.051 | 3.050 | (1.185) | 216239 | 5.00000 | 5.2724 |
| 5 Acenaphthylene | 152 | 3.516 | 3.520 | (0.975) | 366926 | 5.00000 | 5.0915 |
| 7 Acenaphthene | 154 | 3.623 | 3.627 | (1.004) | 188346 | 5.00000 | 5.1131 |
| 9 Fluorene | 166 | 3.938 | 3.942 | (1.092) | 226787 | 5.00000 | 4.9845 |
| 11 Phenanthrene | 178 | 4.574 | 4.578 | (1.004) | 300982 | 5.00000 | 5.2917 |
| 12 Anthracene | 178 | 4.606 | 4.610 | (1.011) | 320832 | 5.00000 | 5.1089 |
| 13 Carbazole | 167 | 4.734 | 4.738 | (1.039) | 309273 | 5.00000 | 5.3789 |
| 15 Fluoranthene | 202 | 5.434 | 5.438 | (1.192) | 362121 | 5.00000 | 5.3053 |
| 16 Pyrene | 202 | 5.600 | 5.604 | (0.851) | 387490 | 5.00000 | 5.4798 |
| 17 Benzo(a)anthracene | 228 | 6.566 | 6.565 | (0.998) | 302918 | 5.00000 | 5.0044 |
| 19 Chrysene | 228 | 6.593 | 6.597 | (1.002) | 322491 | 5.00000 | 5.2515 |
| 20 Benzo(b)fluoranthene | 252 | 7.378 | 7.388 | (0.963) | 315397 | 5.00000 | 5.3673 |
| 21 Benzo(k)fluoranthene | 252 | 7.400 | 7.409 | (0.966) | 394484 | 5.00000 | 5.8388 |
| 22 Benzo(a)pyrene | 252 | 7.608 | 7.612 | (0.993) | 334183 | 5.00000 | 5.1981 |
| 24 Indeno(1,2,3-cd)pyrene | 276 | 8.420 | 8.430 | (1.099) | 290809 | 5.00000 | 5.0945 |
| 25 Dibenzo(a,h)anthracene | 278 | 8.447 | 8.457 | (1.102) | 292736 | 5.00000 | 5.6999(M) |
| 26 Benzo(g,h,i)perylene | 276 | 8.634 | 8.654 | (1.127) | 339141 | 5.00000 | 5.4899(M) |

QC Flag Legend

M - Compound response manually integrated.

Data File: 1AD26005.D

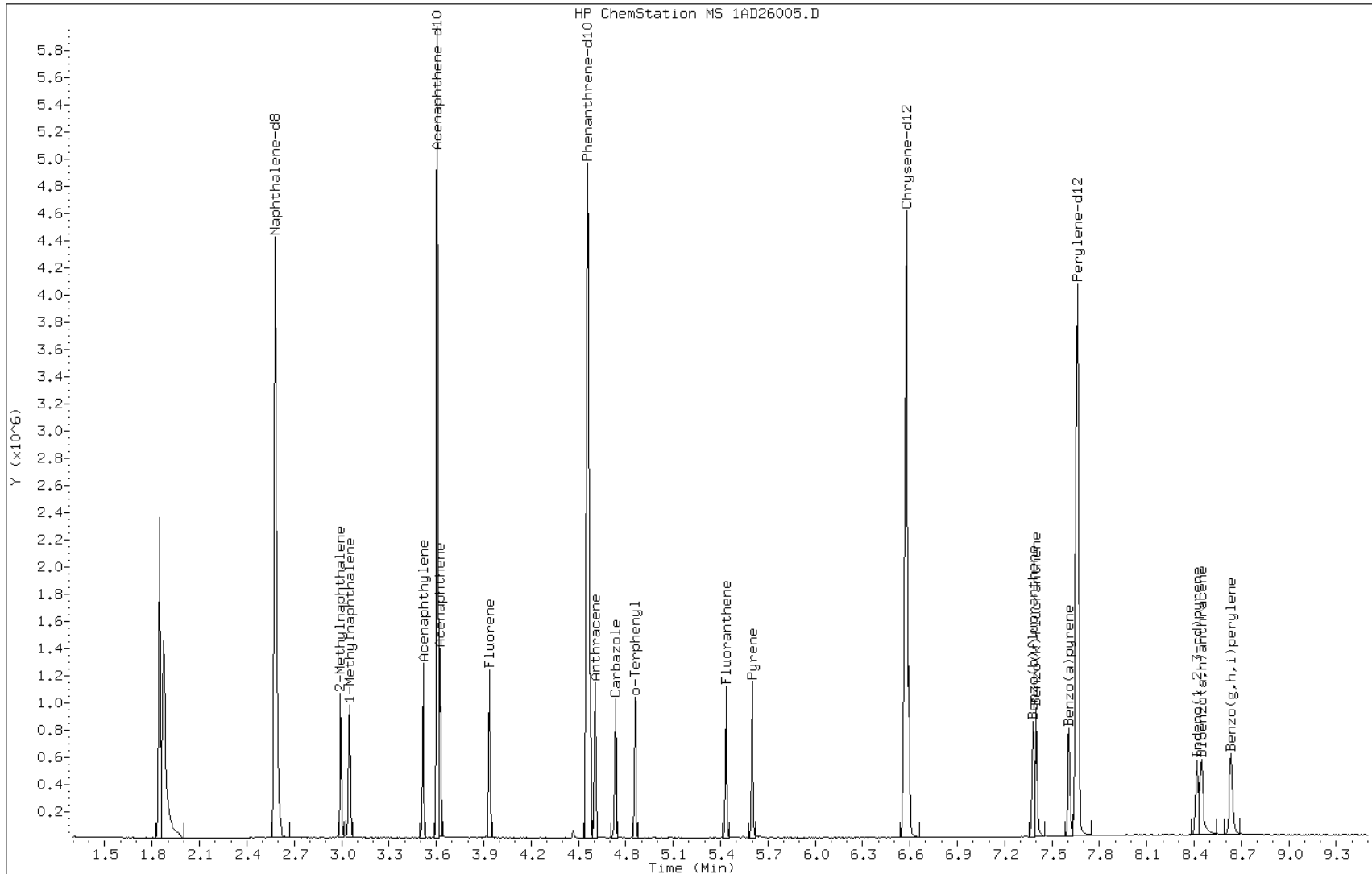
Date: 26-APR-2013 10:33

Client ID:

Instrument: BSMA5973.i

Sample Info: IC-1531399

Operator: SCC

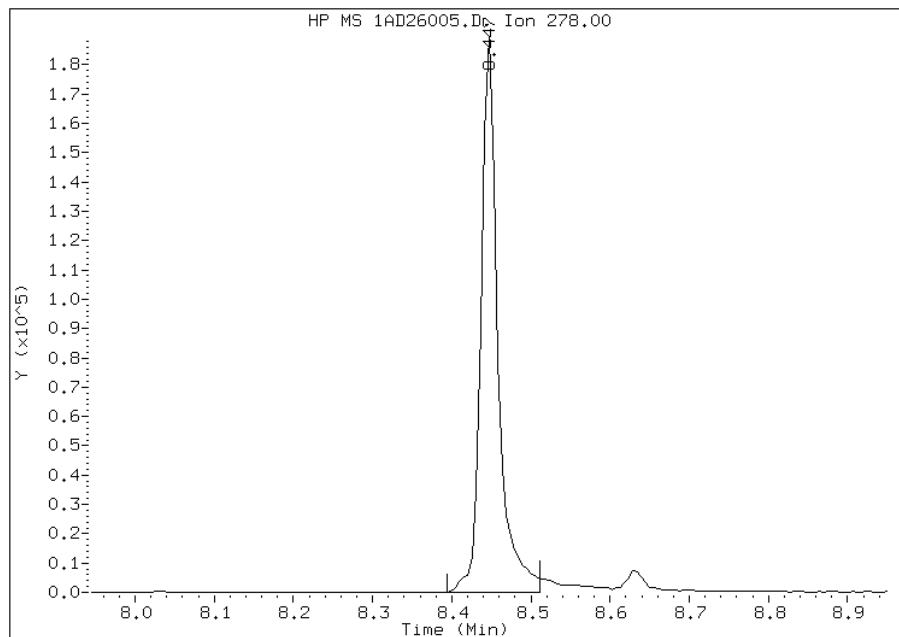


Manual Integration Report

Data File: 1AD26005.D
Inj. Date and Time: 26-APR-2013 10:33
Instrument ID: BSMA5973.i
Client ID:
Compound: 25 Dibenzo(a,h)anthracene
CAS #: 53-70-3
Report Date: 04/26/2013

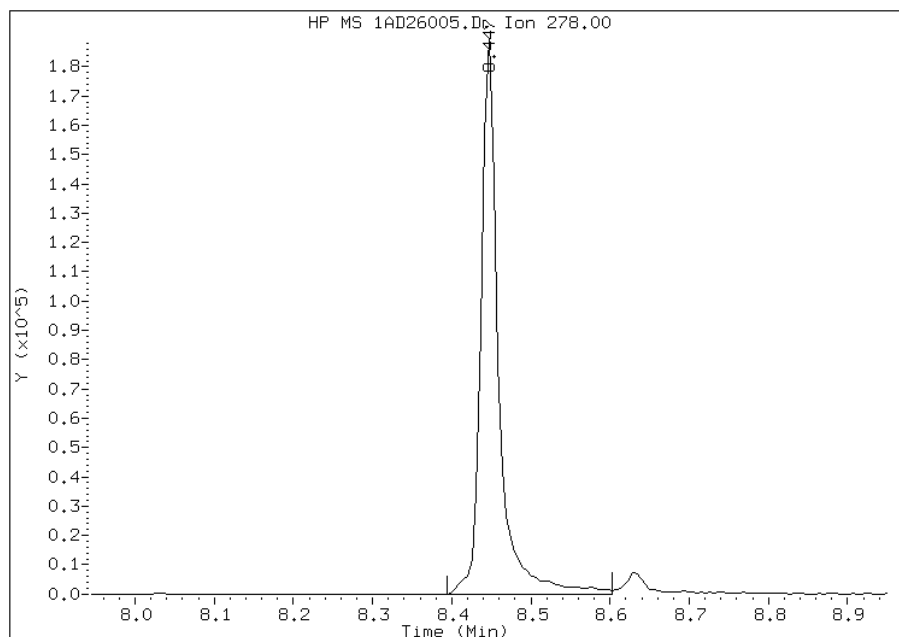
Processing Integration Results

RT: 8.45
Response: 277866
Amount: 6
Conc: 6



Manual Integration Results

RT: 8.45
Response: 292736
Amount: 6
Conc: 6



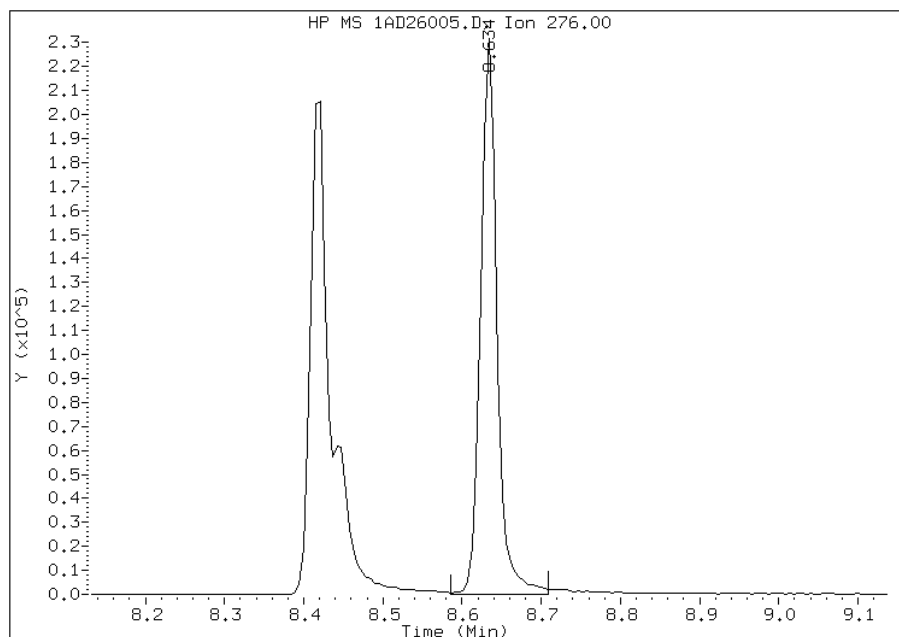
Manually Integrated By: cantins
Modification Date: 26-Apr-2013 12:53
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1AD26005.D
Inj. Date and Time: 26-APR-2013 10:33
Instrument ID: BSMA5973.i
Client ID:
Compound: 26 Benzo(g,h,i)perylene
CAS #: 191-24-2
Report Date: 04/26/2013

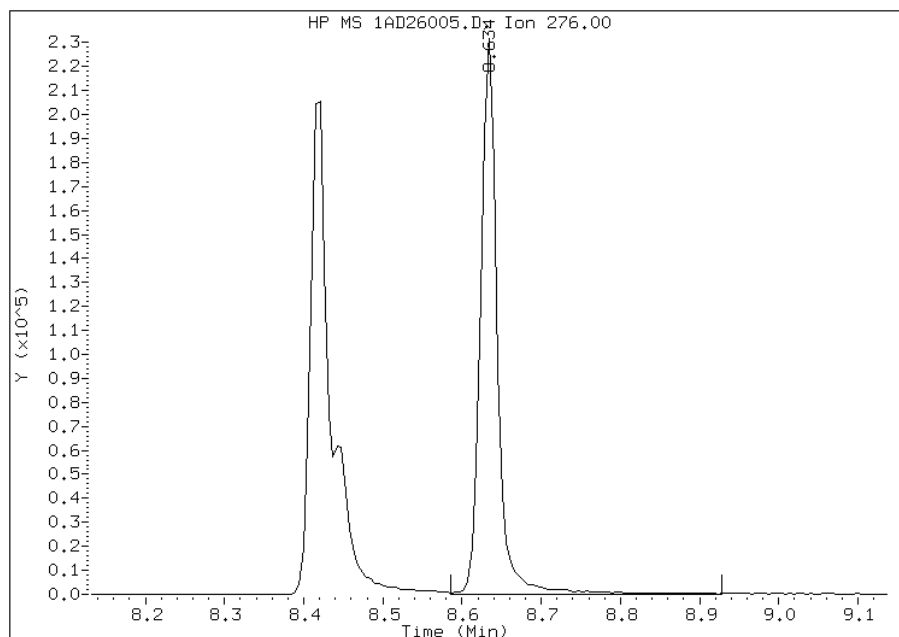
Processing Integration Results

RT: 8.63
Response: 328220
Amount: 5
Conc: 5



Manual Integration Results

RT: 8.63
Response: 339141
Amount: 5
Conc: 5



Manually Integrated By: cantins
Modification Date: 26-Apr-2013 12:53
Manual Integration Reason: Baseline Event

TestAmerica Laboratories

Semivolatile 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMA5973.i\1A042613.b\1AD26006.D
 Lab Smp Id: IC-1531400
 Inj Date : 26-APR-2013 10:48
 Operator : SCC
 Smp Info : IC-1531400
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMA5973.i\1A042613.b\a-bFASTPAHi-m.m
 Meth Date : 26-Apr-2013 12:59 BSMA5973.i Quant Type: ISTD
 Cal Date : 26-APR-2013 10:33 Cal File: 1AD26005.D
 Als bottle: 6 Calibration Sample, Level: 4
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

| Compounds | QUANT SIG | | AMOUNTS | | | | |
|---------------------------|-----------|-------|---------|---------|----------|-----------------|----------------|
| | MASS | RT | EXP RT | REL RT | RESPONSE | CAL-AMT (ug/ml) | ON-COL (ug/ml) |
| * 1 Naphthalene-d8 | 136 | 2.581 | 2.580 | (1.000) | 2323692 | 40.0000 | |
| * 6 Acenaphthene-d10 | 164 | 3.606 | 3.606 | (1.000) | 1066140 | 40.0000 | |
| * 10 Phenanthrene-d10 | 188 | 4.563 | 4.562 | (1.000) | 1871240 | 40.0000 | |
| \$ 14 o-Terphenyl | 230 | 4.862 | 4.861 | (1.066) | 310562 | 10.0000 | 9.7321 |
| * 18 Chrysene-d12 | 240 | 6.582 | 6.581 | (1.000) | 1765506 | 40.0000 | |
| * 23 Perylene-d12 | 264 | 7.661 | 7.666 | (1.000) | 1844103 | 40.0000 | |
| 2 Naphthalene | 128 | 2.591 | 2.591 | (1.004) | 595222 | 10.0000 | 9.8376 |
| 3 2-Methylnaphthalene | 141 | 2.997 | 2.997 | (1.161) | 341254 | 10.0000 | 9.6150 |
| 4 1-Methylnaphthalene | 142 | 3.051 | 3.050 | (1.182) | 376560 | 10.0000 | 9.8086 |
| 5 Acenaphthylene | 152 | 3.515 | 3.520 | (0.975) | 648059 | 10.0000 | 9.6521 |
| 7 Acenaphthene | 154 | 3.622 | 3.627 | (1.004) | 324917 | 10.0000 | 9.4098 |
| 9 Fluorene | 166 | 3.937 | 3.942 | (1.092) | 405299 | 10.0000 | 9.4592 |
| 11 Phenanthrene | 178 | 4.573 | 4.578 | (1.002) | 533287 | 10.0000 | 9.9071 |
| 12 Anthracene | 178 | 4.605 | 4.610 | (1.009) | 579771 | 10.0000 | 9.8285 |
| 13 Carbazole | 167 | 4.739 | 4.738 | (1.039) | 544612 | 10.0000 | 9.9049 |
| 15 Fluoranthene | 202 | 5.439 | 5.438 | (1.192) | 653973 | 10.0000 | 10.0511 |
| 16 Pyrene | 202 | 5.604 | 5.604 | (0.851) | 693219 | 10.0000 | 10.2919 |
| 17 Benzo(a)anthracene | 228 | 6.566 | 6.565 | (0.998) | 543586 | 10.0000 | 9.4280 |
| 19 Chrysene | 228 | 6.598 | 6.597 | (1.002) | 574179 | 10.0000 | 9.8161 |
| 20 Benzo(b)fluoranthene | 252 | 7.383 | 7.388 | (0.964) | 597877 | 10.0000 | 10.6790 |
| 21 Benzo(k)fluoranthene | 252 | 7.405 | 7.409 | (0.967) | 634191 | 10.0000 | 9.8523 |
| 22 Benzo(a)pyrene | 252 | 7.608 | 7.612 | (0.993) | 604286 | 10.0000 | 10.7211 |
| 24 Indeno(1,2,3-cd)pyrene | 276 | 8.420 | 8.430 | (1.099) | 557142 | 10.0000 | 10.0121 |
| 25 Dibenzo(a,h)anthracene | 278 | 8.446 | 8.457 | (1.103) | 529334 | 10.0000 | 10.8180(M) |
| 26 Benzo(g,h,i)perylene | 276 | 8.639 | 8.654 | (1.128) | 616524 | 10.0000 | 10.4750(M) |

QC Flag Legend

M - Compound response manually integrated.

Data File: 1AD26006.D

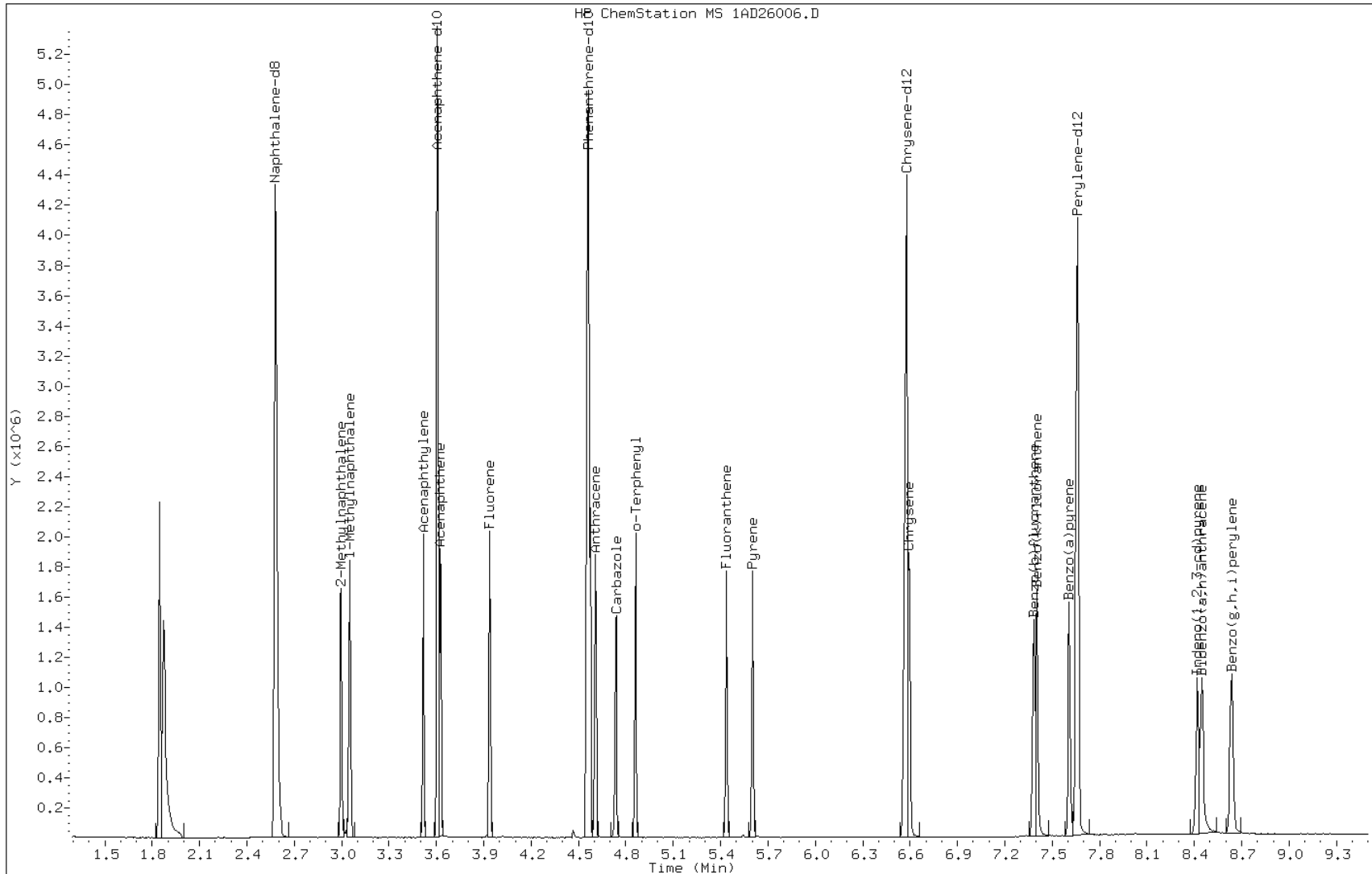
Date: 26-APR-2013 10:48

Client ID:

Instrument: BSMA5973.i

Sample Info: IC-1531400

Operator: SCC

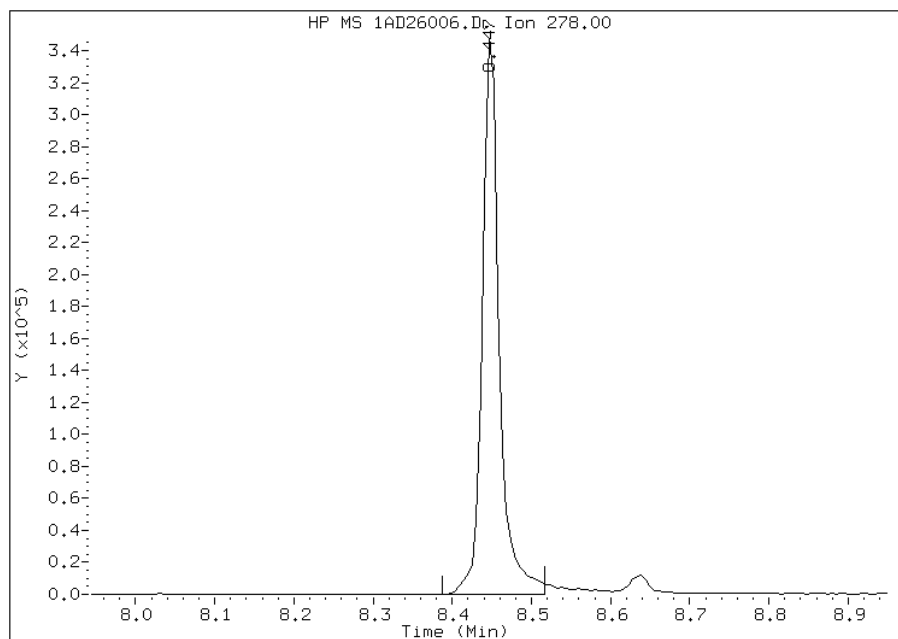


Manual Integration Report

Data File: 1AD26006.D
Inj. Date and Time: 26-APR-2013 10:48
Instrument ID: BSMA5973.i
Client ID:
Compound: 25 Dibenzo(a,h)anthracene
CAS #: 53-70-3
Report Date: 04/26/2013

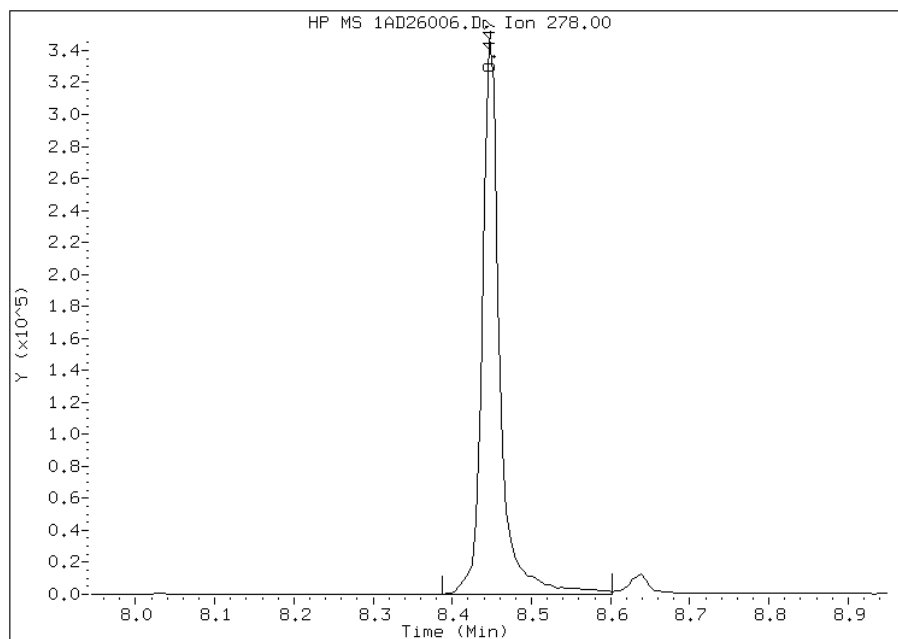
Processing Integration Results

RT: 8.45
Response: 511528
Amount: 11
Conc: 11



Manual Integration Results

RT: 8.45
Response: 529334
Amount: 11
Conc: 11



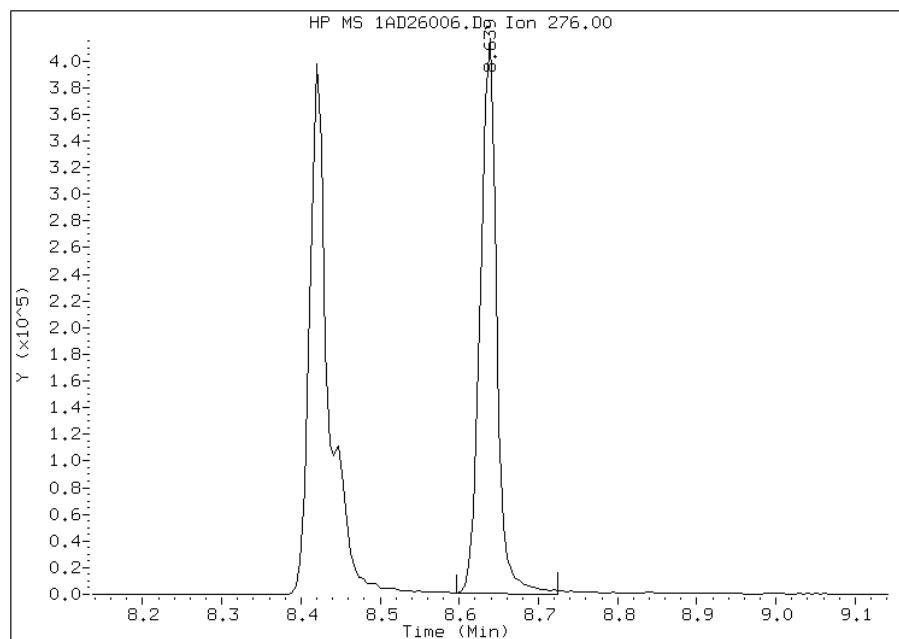
Manually Integrated By: cantins
Modification Date: 26-Apr-2013 12:54
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1AD26006.D
Inj. Date and Time: 26-APR-2013 10:48
Instrument ID: BSMA5973.i
Client ID:
Compound: 26 Benzo(g,h,i)perylene
CAS #: 191-24-2
Report Date: 04/26/2013

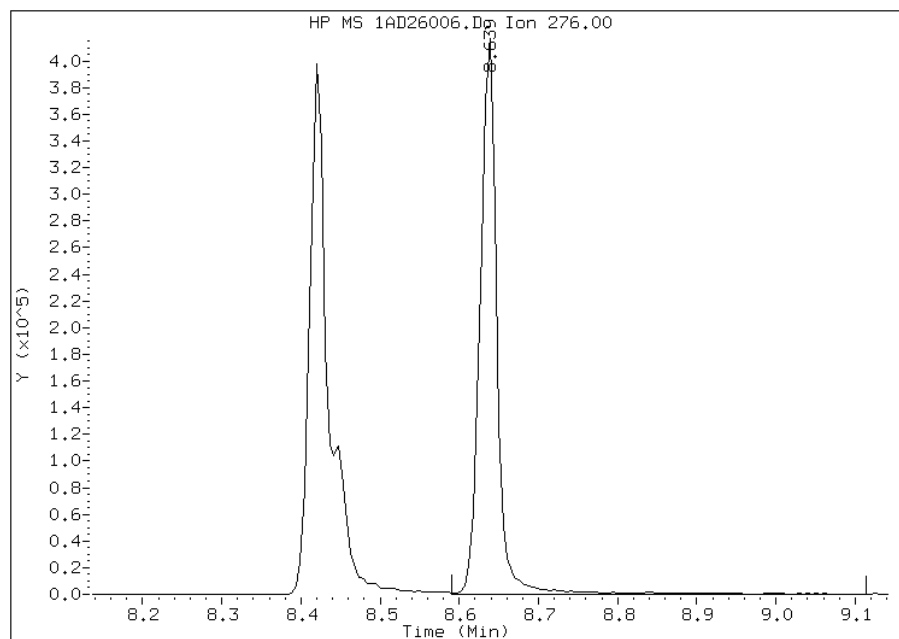
Processing Integration Results

RT: 8.64
Response: 592263
Amount: 10
Conc: 10



Manual Integration Results

RT: 8.64
Response: 616524
Amount: 10
Conc: 10



Manually Integrated By: cantins
Modification Date: 26-Apr-2013 12:54
Manual Integration Reason: Baseline Event

TestAmerica Laboratories

Semivolatile 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMA5973.i\1A042613.b\1AD26007.D
 Lab Smp Id: ICIS-1531401
 Inj Date : 26-APR-2013 11:03
 Operator : SCC
 Smp Info : ICIS-1531401
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMA5973.i\1A042613.b\a-bFASTPAHi-m.m
 Meth Date : 26-Apr-2013 12:59 BSMA5973.i Quant Type: ISTD
 Cal Date : 26-APR-2013 10:48 Cal File: 1AD26006.D
 Als bottle: 7 Calibration Sample, Level: 5
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

| Compounds | QUANT SIG | | AMOUNTS | | | | |
|---------------------------|-----------|-------|---------|---------|----------|-----------------|----------------|
| | MASS | RT | EXP RT | REL RT | RESPONSE | CAL-AMT (ug/ml) | ON-COL (ug/ml) |
| * 1 Naphthalene-d8 | 136 | 2.580 | 2.580 | (1.000) | 2358748 | 40.0000 | |
| * 6 Acenaphthene-d10 | 164 | 3.606 | 3.606 | (1.000) | 1131055 | 40.0000 | |
| * 10 Phenanthrene-d10 | 188 | 4.562 | 4.562 | (1.000) | 1941405 | 40.0000 | |
| \$ 14 o-Terphenyl | 230 | 4.861 | 4.861 | (1.066) | 600782 | 20.0000 | 19.8656 |
| * 18 Chrysene-d12 | 240 | 6.581 | 6.581 | (1.000) | 1806882 | 40.0000 | |
| * 23 Perylene-d12 | 264 | 7.666 | 7.666 | (1.000) | 1862358 | 40.0000 | |
| 2 Naphthalene | 128 | 2.591 | 2.591 | (1.004) | 1158716 | 20.0000 | 19.7046 |
| 3 2-Methylnaphthalene | 141 | 2.997 | 2.997 | (1.161) | 669822 | 20.0000 | 20.1454 |
| 4 1-Methylnaphthalene | 142 | 3.050 | 3.050 | (1.182) | 706538 | 20.0000 | 19.6964 |
| 5 Acenaphthylene | 152 | 3.520 | 3.520 | (0.976) | 1265667 | 20.0000 | 19.6212 |
| 7 Acenaphthene | 154 | 3.627 | 3.627 | (1.006) | 634267 | 20.0000 | 19.1257 |
| 9 Fluorene | 166 | 3.942 | 3.942 | (1.093) | 807968 | 20.0000 | 19.5803 |
| 11 Phenanthrene | 178 | 4.578 | 4.578 | (1.004) | 1040972 | 20.0000 | 19.9793 |
| 12 Anthracene | 178 | 4.610 | 4.610 | (1.011) | 1112517 | 20.0000 | 19.9518 |
| 13 Carbazole | 167 | 4.738 | 4.738 | (1.039) | 1091227 | 20.0000 | 20.1348 |
| 15 Fluoranthene | 202 | 5.438 | 5.438 | (1.192) | 1286350 | 20.0000 | 20.1741 |
| 16 Pyrene | 202 | 5.604 | 5.604 | (0.851) | 1367080 | 20.0000 | 19.8317 |
| 17 Benzo(a)anthracene | 228 | 6.565 | 6.565 | (0.998) | 1149947 | 20.0000 | 19.4881 |
| 19 Chrysene | 228 | 6.597 | 6.597 | (1.002) | 1097962 | 20.0000 | 18.3408(M) |
| 20 Benzo(b)fluoranthene | 252 | 7.388 | 7.388 | (0.964) | 1243307 | 20.0000 | 21.9898 |
| 21 Benzo(k)fluoranthene | 252 | 7.409 | 7.409 | (0.967) | 1166129 | 20.0000 | 17.9385 |
| 22 Benzo(a)pyrene | 252 | 7.612 | 7.612 | (0.993) | 1187145 | 20.0000 | 21.7561 |
| 24 Indeno(1,2,3-cd)pyrene | 276 | 8.430 | 8.430 | (1.100) | 1156108 | 20.0000 | 20.3300 |
| 25 Dibenzo(a,h)anthracene | 278 | 8.457 | 8.457 | (1.103) | 1028761 | 20.0000 | 20.8187 |
| 26 Benzo(g,h,i)perylene | 276 | 8.654 | 8.654 | (1.129) | 1185137 | 20.0000 | 19.9387 |

QC Flag Legend

M - Compound response manually integrated.

Data File: 1AD26007.D

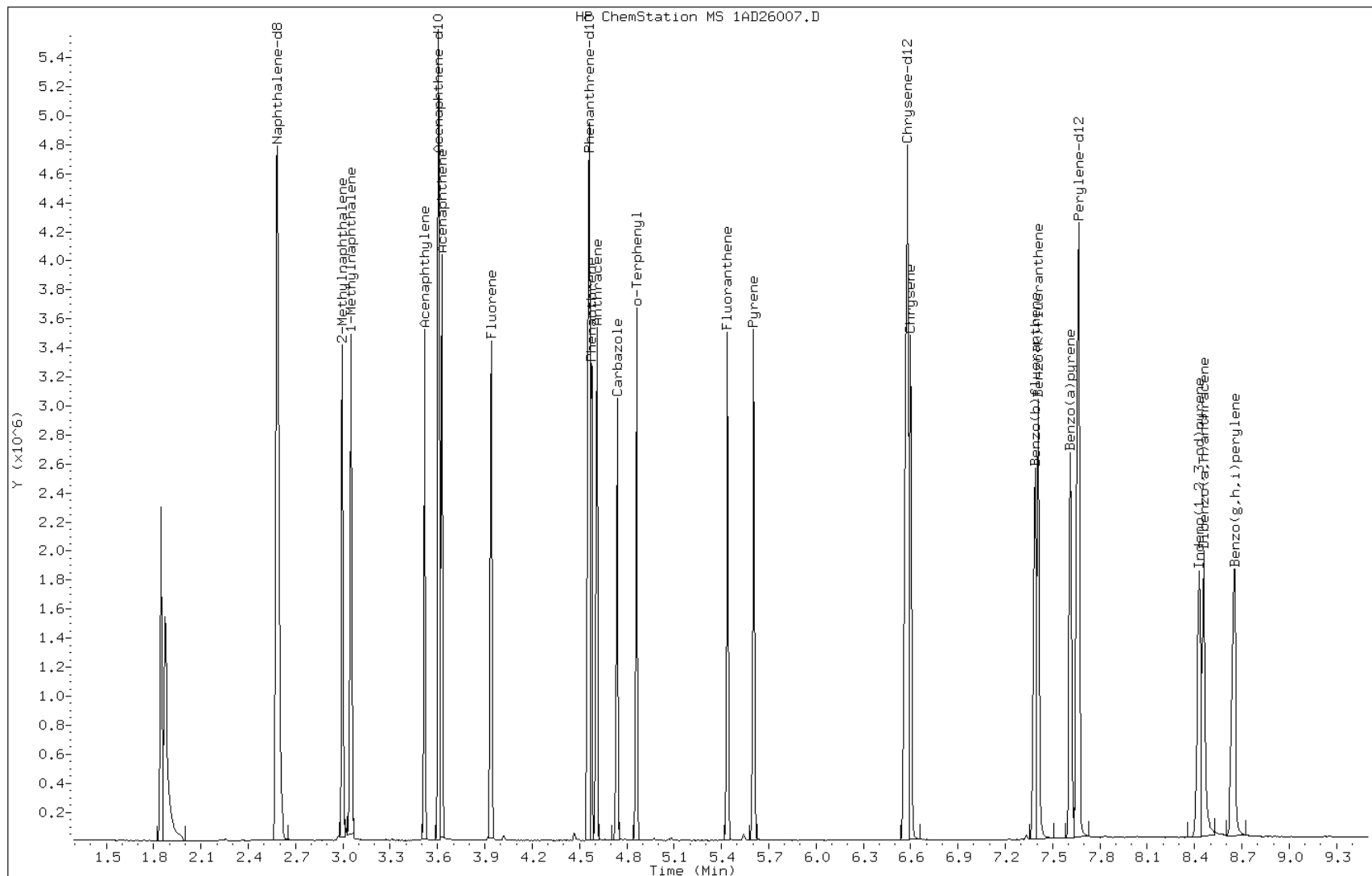
Date: 26-APR-2013 11:03

Client ID:

Instrument: BSMA5973.i

Sample Info: ICIS-1531401

Operator: SCC

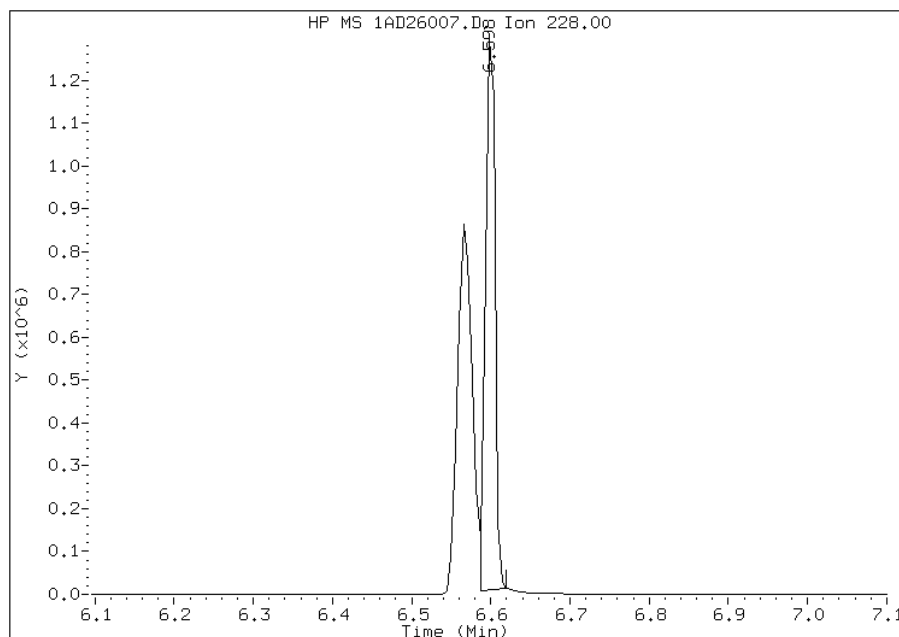


Manual Integration Report

Data File: 1AD26007.D
Inj. Date and Time: 26-APR-2013 11:03
Instrument ID: BSMA5973.i
Client ID:
Compound: 19 Chrysene
CAS #: 218-01-9
Report Date: 04/26/2013

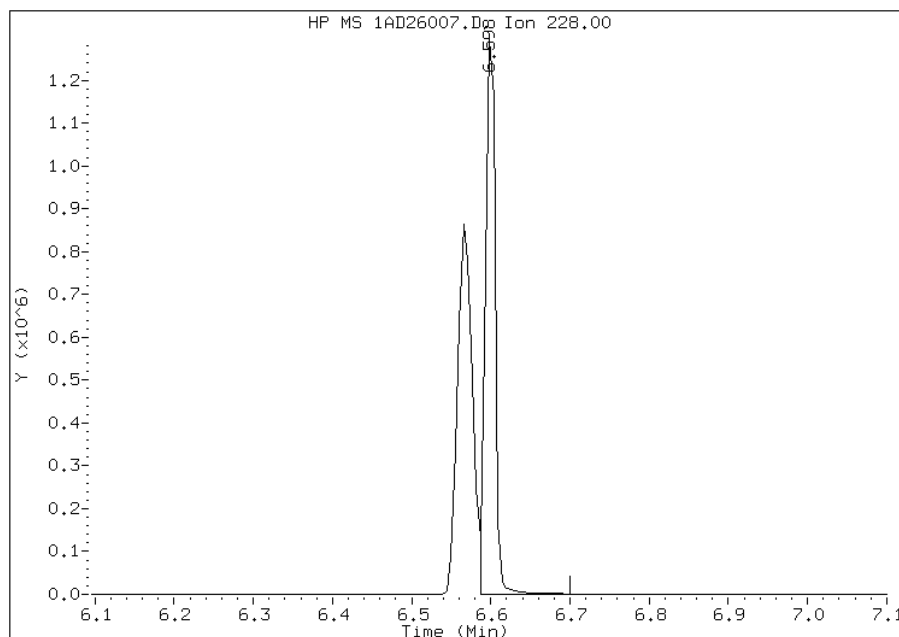
Processing Integration Results

RT: 6.60
Response: 1056771
Amount: 17
Conc: 17



Manual Integration Results

RT: 6.60
Response: 1097962
Amount: 18
Conc: 18



Manually Integrated By: cantins
Modification Date: 26-Apr-2013 12:58
Manual Integration Reason: Baseline Event

TestAmerica Laboratories

Semivolatiles 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMA5973.i\1A042613.b\1AD26008.D
 Lab Smp Id: IC-1531402
 Inj Date : 26-APR-2013 11:19
 Operator : SCC
 Smp Info : IC-1531402
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMA5973.i\1A042613.b\a-bFASTPAHi-m.m
 Meth Date : 26-Apr-2013 12:59 BSMA5973.i Quant Type: ISTD
 Cal Date : 26-APR-2013 11:03 Cal File: 1AD26007.D
 Als bottle: 8 Calibration Sample, Level: 6
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

| Compounds | QUANT SIG | | AMOUNTS | | | | |
|---------------------------|-----------|-------|---------|---------|----------|-----------------|----------------|
| | MASS | RT | EXP RT | REL RT | RESPONSE | CAL-AMT (ug/ml) | ON-COL (ug/ml) |
| * 1 Naphthalene-d8 | 136 | 2.578 | 2.580 | (1.000) | 2081137 | 40.0000 | |
| * 6 Acenaphthene-d10 | 164 | 3.609 | 3.606 | (1.000) | 971255 | 40.0000 | |
| * 10 Phenanthrene-d10 | 188 | 4.560 | 4.562 | (1.000) | 1708155 | 40.0000 | |
| \$ 14 o-Terphenyl | 230 | 4.864 | 4.861 | (1.067) | 747046 | 30.0000 | 30.2447 |
| * 18 Chrysene-d12 | 240 | 6.584 | 6.581 | (1.000) | 1549882 | 40.0000 | |
| * 23 Perylene-d12 | 264 | 7.663 | 7.666 | (1.000) | 1665910 | 40.0000 | |
| 2 Naphthalene | 128 | 2.594 | 2.591 | (1.006) | 1510520 | 30.0000 | 30.4015 |
| 3 2-Methylnaphthalene | 141 | 2.994 | 2.997 | (1.162) | 827941 | 30.0000 | 30.0747 |
| 4 1-Methylnaphthalene | 142 | 3.053 | 3.050 | (1.184) | 894050 | 30.0000 | 30.3598 |
| 5 Acenaphthylene | 152 | 3.518 | 3.520 | (0.975) | 1556064 | 30.0000 | 30.6998 |
| 7 Acenaphthene | 154 | 3.625 | 3.627 | (1.004) | 810394 | 30.0000 | 31.5304 |
| 9 Fluorene | 166 | 3.940 | 3.942 | (1.092) | 1002855 | 30.0000 | 30.9795 |
| 11 Phenanthrene | 178 | 4.576 | 4.578 | (1.004) | 1299367 | 30.0000 | 29.9559 |
| 12 Anthracene | 178 | 4.613 | 4.610 | (1.012) | 1371502 | 30.0000 | 30.1453 |
| 13 Carbazole | 167 | 4.741 | 4.738 | (1.040) | 1364561 | 30.0000 | 29.7567 |
| 15 Fluoranthene | 202 | 5.441 | 5.438 | (1.193) | 1591115 | 30.0000 | 29.6375 |
| 16 Pyrene | 202 | 5.607 | 5.604 | (0.852) | 1716784 | 30.0000 | 29.0345 |
| 17 Benzo(a)anthracene | 228 | 6.568 | 6.565 | (0.998) | 1427778 | 30.0000 | 28.2088 |
| 19 Chrysene | 228 | 6.600 | 6.597 | (1.002) | 1401601 | 30.0000 | 27.2953(M) |
| 20 Benzo(b)fluoranthene | 252 | 7.391 | 7.388 | (0.964) | 1402018 | 30.0000 | 27.7209 |
| 21 Benzo(k)fluoranthene | 252 | 7.412 | 7.409 | (0.967) | 1618107 | 30.0000 | 27.8265 |
| 22 Benzo(a)pyrene | 252 | 7.615 | 7.612 | (0.994) | 1470103 | 30.0000 | 30.4849 |
| 24 Indeno(1,2,3-cd)pyrene | 276 | 8.427 | 8.430 | (1.100) | 1470861 | 30.0000 | 28.8179 |
| 25 Dibenzo(a,h)anthracene | 278 | 8.459 | 8.457 | (1.104) | 1321140 | 30.0000 | 29.8882 |
| 26 Benzo(g,h,i)perylene | 276 | 8.652 | 8.654 | (1.129) | 1524482 | 30.0000 | 28.6723 |

QC Flag Legend

M - Compound response manually integrated.

Data File: 1AD26008.D

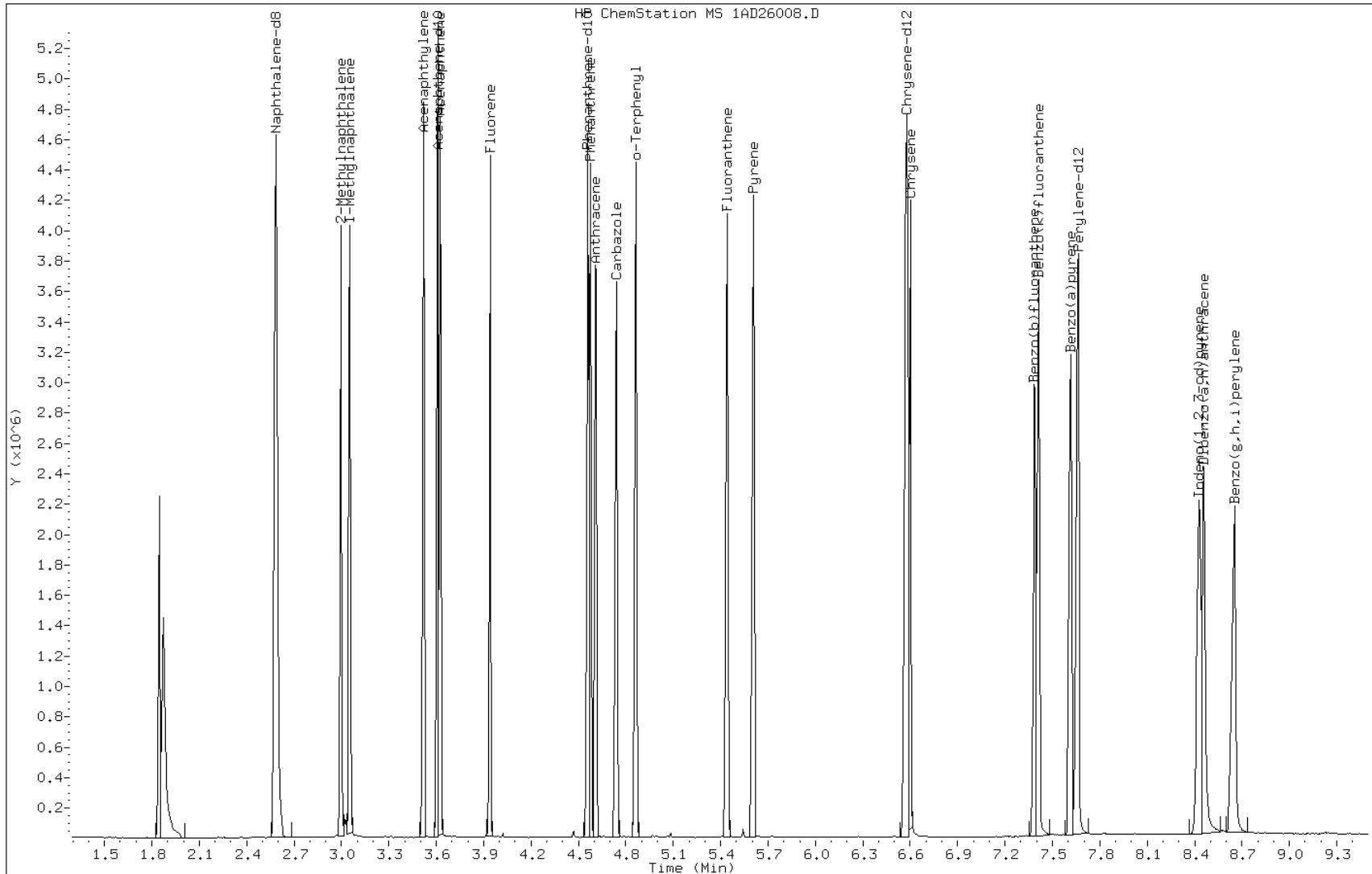
Date: 26-APR-2013 11:19

Client ID:

Instrument: BSMA5973.i

Sample Info: IC-1531402

Operator: SCC

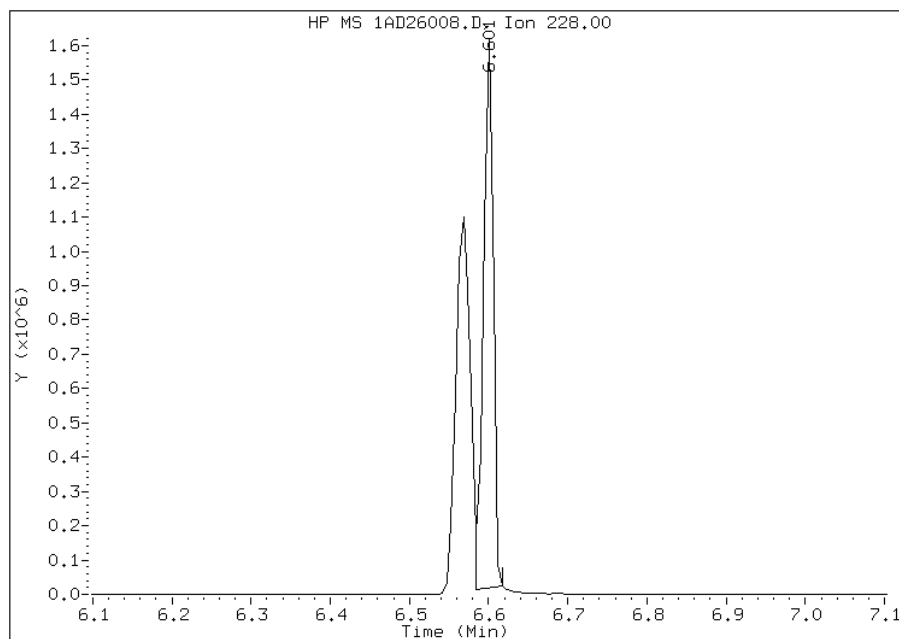


Manual Integration Report

Data File: 1AD26008.D
Inj. Date and Time: 26-APR-2013 11:19
Instrument ID: BSMA5973.i
Client ID:
Compound: 19 Chrysene
CAS #: 218-01-9
Report Date: 04/26/2013

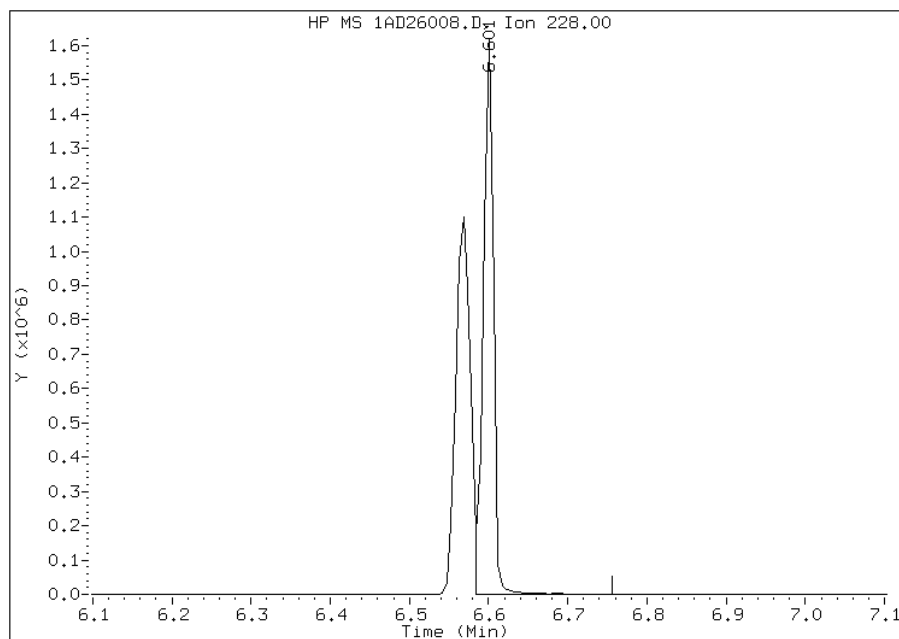
Processing Integration Results

RT: 6.60
Response: 1330257
Amount: 26
Conc: 26



Manual Integration Results

RT: 6.60
Response: 1401601
Amount: 27
Conc: 27



Manually Integrated By: cantins
Modification Date: 26-Apr-2013 12:56
Manual Integration Reason: Baseline Event

TestAmerica Laboratories

Semivolatiles 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMA5973.i\1A042613.b\1AD26009.D
 Lab Smp Id: IC-1531403
 Inj Date : 26-APR-2013 11:34
 Operator : SCC
 Smp Info : IC-1531403
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMA5973.i\1A042613.b\a-bFASTPAHi-m.m
 Meth Date : 26-Apr-2013 12:59 BSMA5973.i Quant Type: ISTD
 Cal Date : 26-APR-2013 11:19 Cal File: 1AD26008.D
 Als bottle: 9 Calibration Sample, Level: 7
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

| Compounds | QUANT SIG | AMOUNTS | | | | | |
|---------------------------|-----------|---------|-------|---------|---------|----------|-----------------|
| | | MASS | RT | EXP RT | REL RT | RESPONSE | CAL-AMT (ug/ml) |
| * 1 Naphthalene-d8 | 136 | 2.581 | 2.580 | (1.000) | 2198265 | 40.0000 | |
| * 6 Acenaphthene-d10 | 164 | 3.607 | 3.606 | (1.000) | 1085200 | 40.0000 | |
| * 10 Phenanthrene-d10 | 188 | 4.563 | 4.562 | (1.000) | 1842852 | 40.0000 | |
| \$ 14 o-Terphenyl | 230 | 4.868 | 4.861 | (1.067) | 1190919 | 50.0000 | 49.9310 |
| * 18 Chrysene-d12 | 240 | 6.588 | 6.581 | (1.000) | 1568229 | 40.0000 | |
| * 23 Perylene-d12 | 264 | 7.667 | 7.666 | (1.000) | 1740423 | 40.0000 | |
| 2 Naphthalene | 128 | 2.592 | 2.591 | (1.004) | 2445644 | 50.0000 | 49.8939 |
| 3 2-Methylnaphthalene | 141 | 2.998 | 2.997 | (1.161) | 1310841 | 50.0000 | 49.9542 |
| 4 1-Methylnaphthalene | 142 | 3.057 | 3.050 | (1.184) | 1398370 | 50.0000 | 49.9099 |
| 5 Acenaphthylene | 152 | 3.521 | 3.520 | (0.976) | 2504346 | 50.0000 | 49.7738 |
| 7 Acenaphthene | 154 | 3.628 | 3.627 | (1.006) | 1267057 | 50.0000 | 49.4576 |
| 9 Fluorene | 166 | 3.943 | 3.942 | (1.093) | 1599840 | 50.0000 | 49.6541 |
| 11 Phenanthrene | 178 | 4.579 | 4.578 | (1.004) | 2139281 | 50.0000 | 50.0234(A) |
| 12 Anthracene | 178 | 4.617 | 4.610 | (1.012) | 2186210 | 50.0000 | 49.9541 |
| 13 Carbazole | 167 | 4.745 | 4.738 | (1.040) | 2311786 | 50.0000 | 50.0703(A) |
| 15 Fluoranthene | 202 | 5.450 | 5.438 | (1.194) | 2681447 | 50.0000 | 50.1042(A) |
| 16 Pyrene | 202 | 5.616 | 5.604 | (0.852) | 2760027 | 50.0000 | 46.1318 |
| 17 Benzo(a)anthracene | 228 | 6.572 | 6.565 | (0.998) | 2561817 | 50.0000 | 50.0220(A) |
| 19 Chrysene | 228 | 6.609 | 6.597 | (1.003) | 2209729 | 50.0000 | 42.5296(M) |
| 20 Benzo(b)fluoranthene | 252 | 7.394 | 7.388 | (0.964) | 2501570 | 50.0000 | 47.3439 |
| 21 Benzo(k)fluoranthene | 252 | 7.421 | 7.409 | (0.968) | 2519945 | 50.0000 | 41.4801(M) |
| 22 Benzo(a)pyrene | 252 | 7.624 | 7.612 | (0.994) | 2426657 | 50.0000 | 48.7188 |
| 24 Indeno(1,2,3-cd)pyrene | 276 | 8.442 | 8.430 | (1.101) | 2703546 | 50.0000 | 50.5272(A) |
| 25 Dibenzo(a,h)anthracene | 278 | 8.474 | 8.457 | (1.105) | 2207196 | 50.0000 | 47.7957 |
| 26 Benzo(g,h,i)perylene | 276 | 8.671 | 8.654 | (1.131) | 2645132 | 50.0000 | 47.6194 |

QC Flag Legend

- A - Target compound detected but, quantitated amount exceeded maximum amount.
- M - Compound response manually integrated.

Data File: 1AD26009.D

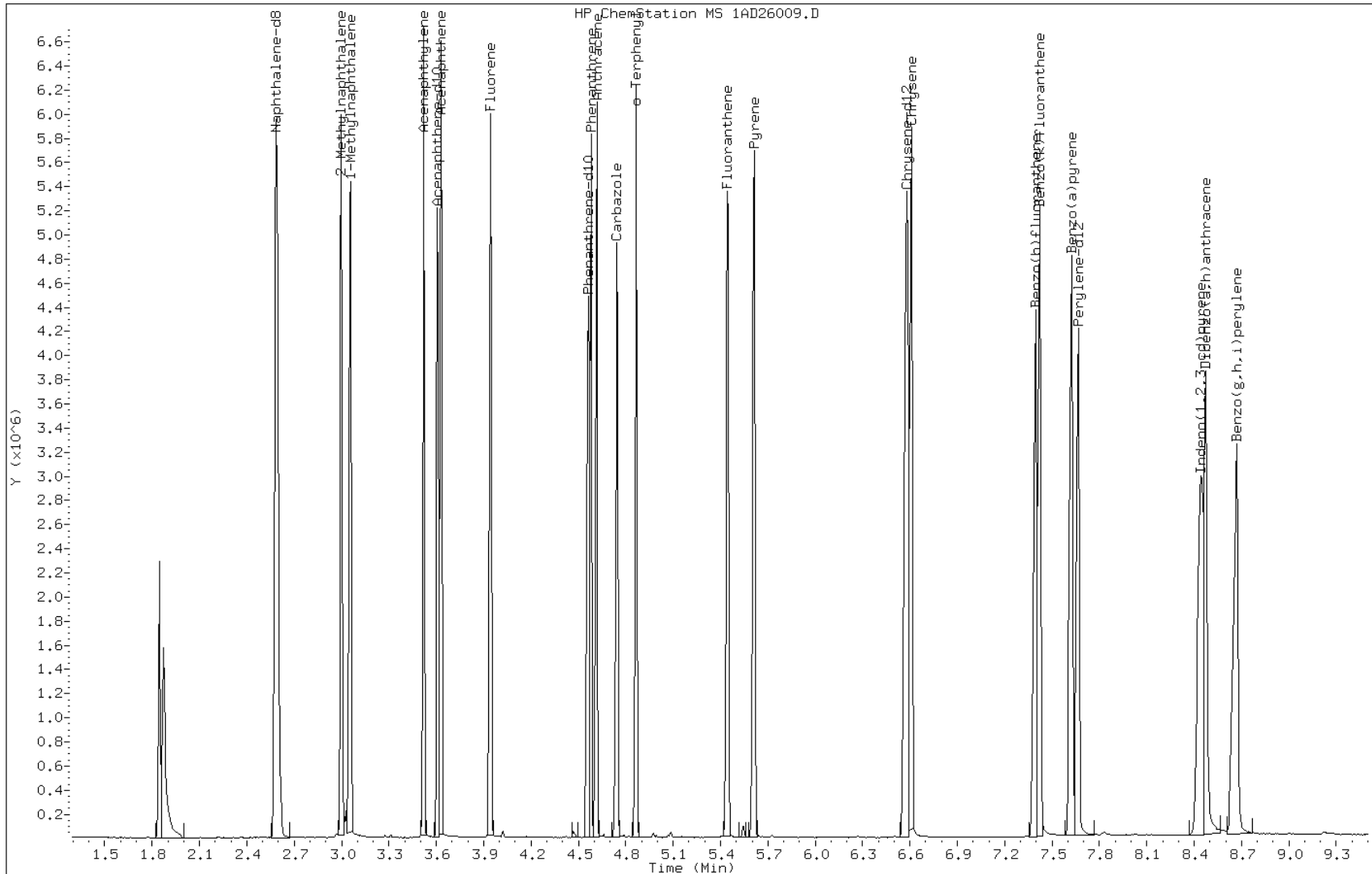
Date: 26-APR-2013 11:34

Client ID:

Instrument: BSMA5973.i

Sample Info: IC-1531403

Operator: SCC

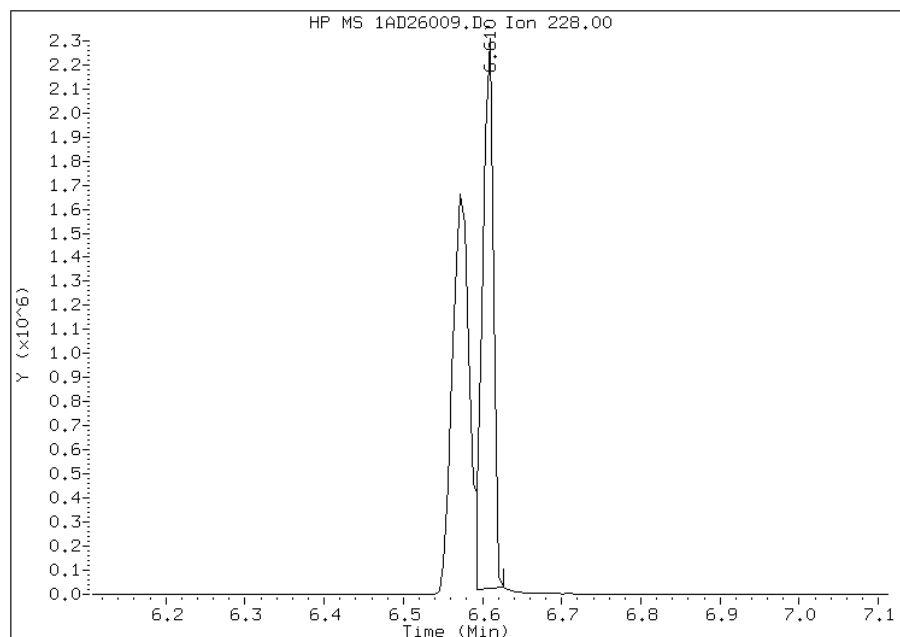


Manual Integration Report

Data File: 1AD26009.D
Inj. Date and Time: 26-APR-2013 11:34
Instrument ID: BSMA5973.i
Client ID:
Compound: 19 Chrysene
CAS #: 218-01-9
Report Date: 04/26/2013

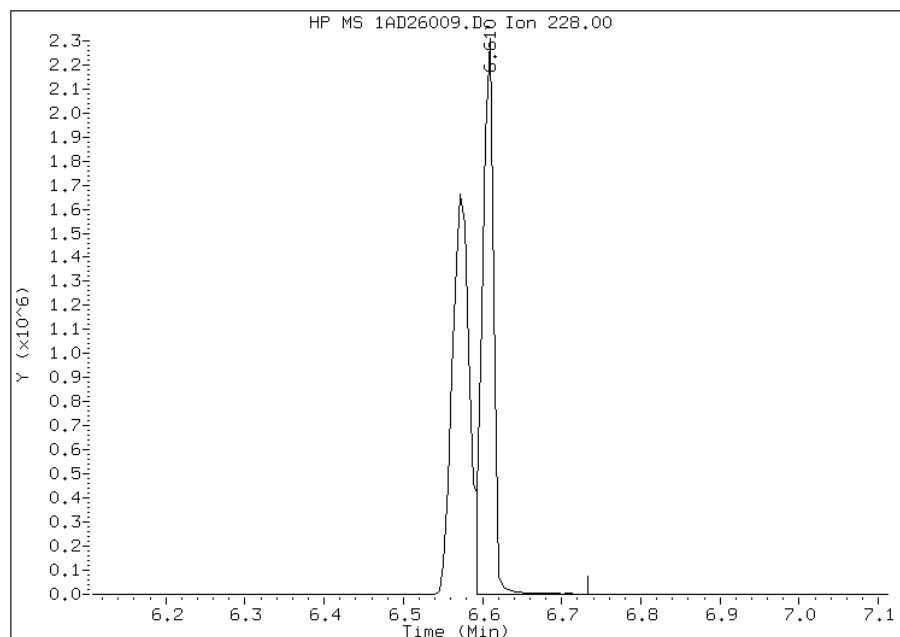
Processing Integration Results

RT: 6.61
Response: 2123056
Amount: 42
Conc: 42



Manual Integration Results

RT: 6.61
Response: 2209729
Amount: 43
Conc: 43



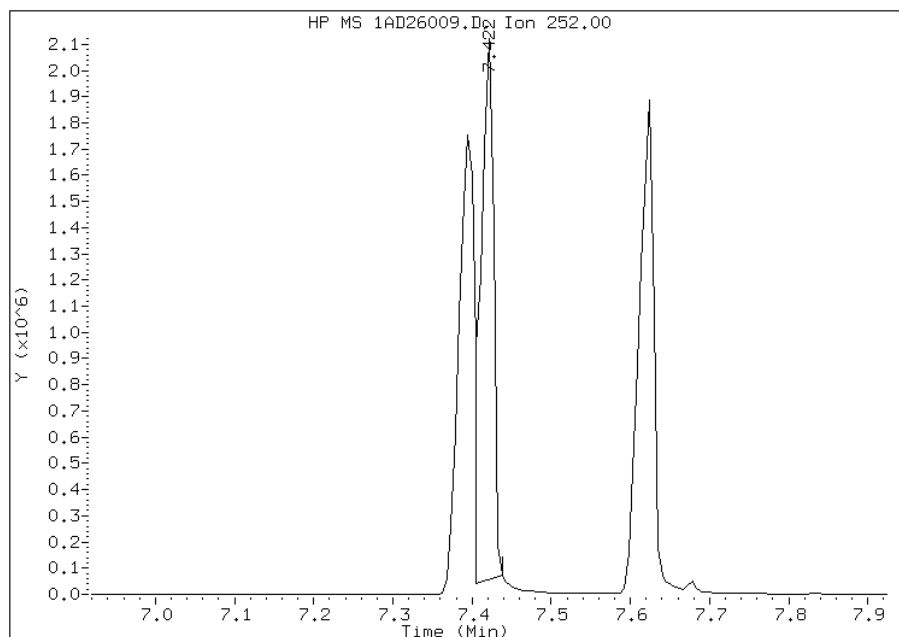
Manually Integrated By: cantins
Modification Date: 26-Apr-2013 12:55
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1AD26009.D
Inj. Date and Time: 26-APR-2013 11:34
Instrument ID: BSMA5973.i
Client ID:
Compound: 21 Benzo(k)fluoranthene
CAS #: 207-08-9
Report Date: 04/26/2013

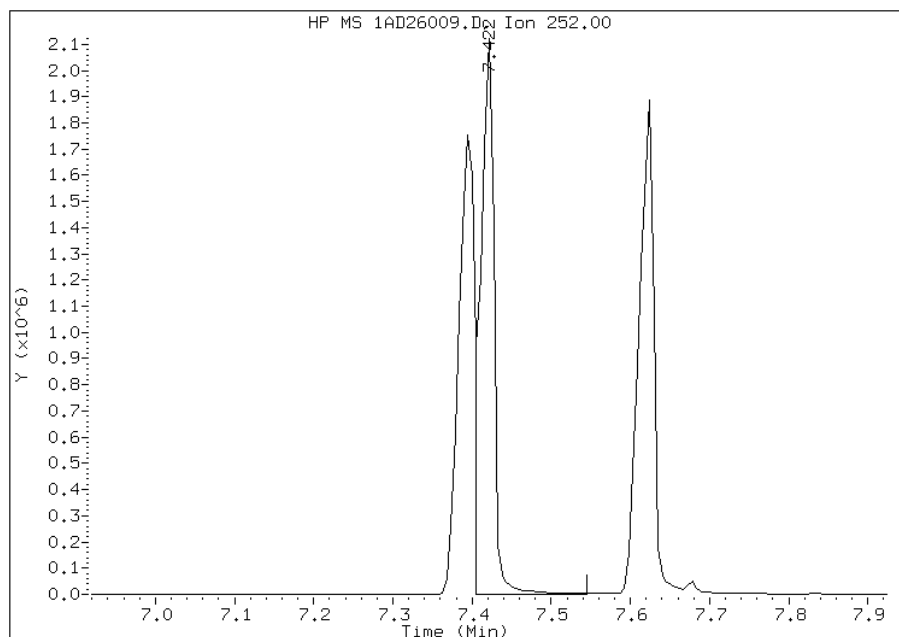
Processing Integration Results

RT: 7.42
Response: 2323626
Amount: 39
Conc: 39



Manual Integration Results

RT: 7.42
Response: 2519945
Amount: 41
Conc: 41



Manually Integrated By: cantins
Modification Date: 26-Apr-2013 12:55
Manual Integration Reason: Baseline Event

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Tampa Job No.: 680-89516-1 Analy Batch No.: 136792

SDG No.: 68089516-1

Instrument ID: BSMC5973 GC Column: DB-5MS ID: 250 (um) Heated Purge: (Y/N) N

Calibration Start Date: 04/24/2013 13:57 Calibration End Date: 04/24/2013 15:47 Calibration ID: 2916

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---------|-------------------|--------------|
| Level 1 | IC 660-136792/9 | 1CD24008.D |
| Level 2 | IC 660-136792/10 | 1CD24009.D |
| Level 3 | IC 660-136792/11 | 1CD24010.D |
| Level 4 | IC 660-136792/12 | 1CD24011.D |
| Level 5 | ICIS 660-136792/8 | 1CD24007.D |
| Level 6 | IC 660-136792/13 | 1CD24012.D |
| Level 7 | IC 660-136792/14 | 1CD24013.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 | | | | | | | | |
| | LVL 6 | LVL 7 | | | | | | | | | | | | | | | |
| Naphthalene | 1.4885 1.0673 | 0.8030 0.9945 | 1.2243 | 1.0717 | 1.0350 | Qua | 0.0016 | 0.8772 | 0.0995 | | 0.0000 | | | 0.9993 | | 0.9900 | |
| 2-Methylnaphthalene | 0.7464 0.6579 | 0.4218 0.6085 | 0.6274 | 0.6521 | 0.7379 | Qua | 0.0162 | 1.1826 | 0.5751 | | 0.0000 | | | 0.9983 | | 0.9900 | |
| 1-Methylnaphthalene | 0.9319 0.6193 | 0.7463 0.5744 | 0.6932 | 0.6597 | 0.6871 | Qua | 0.0036 | 1.3017 | 0.6057 | | 0.0000 | | | 0.9993 | | 0.9900 | |
| Acenaphthylene | 3.4304 2.0647 | 1.9170 1.7629 | 2.1326 | 1.8192 | 1.8525 | Qua | 0.0112 | 0.4383 | 0.0514 | | 0.0000 | | | 0.9943 | | 0.9900 | |
| Acenaphthene | 0.4262 1.2591 | 1.1075 1.1214 | 1.1969 | 1.0197 | 1.1578 | Lin | 0.0010 | 1.1591 | | | 0.0000 | | | 0.9946 | | 0.9900 | |
| Fluorene | 0.7134 1.4381 | 0.8846 1.3393 | 1.4394 | 1.2091 | 1.4637 | Lin | 0 | 1.3741 | | | 0.0000 | | | 0.9965 | | 0.9900 | |
| Phenanthrene | 0.7358 1.1729 | 1.0796 1.1379 | 1.2093 | 1.1777 | 1.1532 | Ave | | 1.0952 | | | 0.0000 | 14.9 | 15.0 | | | | |
| Anthracene | 1.6568 1.2549 | 1.0932 1.1749 | 1.2756 | 0.9843 | 1.2050 | Lin | 0.0035 | 1.1989 | | | 0.0000 | | | 0.9969 | | 0.9900 | |
| Carbazole | 1.1378 1.1753 | 0.8782 1.1261 | 1.1756 | 1.0992 | 1.1138 | Ave | | 1.1008 | | | 0.0000 | 9.3 | 15.0 | | | | |
| Fluoranthene | 0.5689 1.3260 | 1.4602 1.3145 | 1.3271 | 1.2451 | 1.3854 | Lin | -0.001 | 1.3222 | | | 0.0000 | | | 0.9993 | | 0.9900 | |
| Pyrene | 1.1153 1.1382 | 1.3399 1.2411 | 1.2320 | 1.0694 | 1.1336 | Ave | | 1.1813 | | | 0.0000 | 7.9 | 15.0 | | | | |
| Benzo[a]anthracene | 2.8780 1.1234 | 1.0920 1.2524 | 0.9747 | 1.0528 | 1.0869 | Qua | -0.003 | 1.0003 | -0.128 | | 0.0000 | | | 0.9999 | | 0.9900 | |
| Chrysene | 1.2239 1.1652 | 1.0410 1.2164 | 1.0997 | 1.1331 | 1.1162 | Ave | | 1.1422 | | | 0.0000 | 5.7 | 15.0 | | | | |
| Benzo[b]fluoranthene | 1.2869 1.2910 | 1.1792 1.0614 | 0.8207 | 1.0261 | 1.0787 | Ave | | 1.1063 | | | 0.0000 | 14.9 | 15.0 | | | | |

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Tampa Job No.: 680-89516-1 Analy Batch No.: 136792
 SDG No.: 68089516-1
 Instrument ID: BSMC5973 GC Column: DB-5MS ID: 250 (um) Heated Purge: (Y/N) N
 Calibration Start Date: 04/24/2013 13:57 Calibration End Date: 04/24/2013 15:47 Calibration ID: 2916

| 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 | | | | | | | | |
| | LVL 6 | LVL 7 | | | | | | | | | | | | | | | |
| Benzo[k]fluoranthene | 0.9309 1.0619 | 1.0234 1.2344 | 1.0057 | 1.0567 | 1.2219 | Ave | | 1.0764 | | | 0.0000 | 10.4 | | 15.0 | | | |
| Benzo[a]pyrene | 0.4167 1.1299 | 0.9130 1.0738 | 0.8808 | 1.0351 | 1.1266 | Lin | 0.0055 | 1.0979 | | | 0.0000 | | | | 0.9984 | | 0.9900 |
| Indeno[1,2,3-cd]pyrene | 0.6405 1.1359 | 1.0272 1.0893 | 0.7464 | 1.0313 | 1.0336 | Lin | 0.0155 | 1.1121 | | | 0.0000 | | | | 0.9980 | | 0.9900 |
| Dibenz(a,h)anthracene | 0.7370 1.0791 | 0.9794 1.0428 | 0.9325 | 0.9527 | 1.0661 | Ave | | 0.9699 | | | 0.0000 | 12.1 | | 15.0 | | | |
| Benzo[g,h,i]perylene | 0.8267 1.1488 | 0.9925 1.0479 | 1.0131 | 1.0047 | 1.0362 | Ave | | 1.0100 | | | 0.0000 | 9.5 | | 15.0 | | | |
| o-Terphenyl | 0.5768 0.5541 | 0.4988 0.6222 | 0.6004 | 0.5917 | 0.6213 | Ave | | 0.5808 | | | 0.0000 | 7.5 | | 15.0 | | | |

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Tampa Job No.: 680-89516-1 Analy Batch No.: 136792

SDG No.: 68089516-1

Instrument ID: BSMC5973 GC Column: DB-5MS ID: 250 (um) Heated Purge: (Y/N) N

Calibration Start Date: 04/24/2013 13:57 Calibration End Date: 04/24/2013 15:47 Calibration ID: 2916

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---------|-------------------|--------------|
| Level 1 | IC 660-136792/9 | 1CD24008.D |
| Level 2 | IC 660-136792/10 | 1CD24009.D |
| Level 3 | IC 660-136792/11 | 1CD24010.D |
| Level 4 | IC 660-136792/12 | 1CD24011.D |
| Level 5 | ICIS 660-136792/8 | 1CD24007.D |
| Level 6 | IC 660-136792/13 | 1CD24012.D |
| Level 7 | IC 660-136792/14 | 1CD24013.D |

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/ML) | | | | |
|----------------------|--------|------------|----------------|----------------|-------|-------|--------|-----------------------|----------------|-------|-------|-------|
| | | | 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 |
| Naphthalene | NPT | Qua | 1035 103423 | 2549 191564 | 20341 | 36506 | 65995 | 0.200 30.0 | 1.00 50.0 | 5.00 | 10.0 | 20.0 |
| 2-Methylnaphthalene | NPT | Qua | 519 63749 | 1339 117199 | 10424 | 22212 | 47054 | 0.200 30.0 | 1.00 50.0 | 5.00 | 10.0 | 20.0 |
| 1-Methylnaphthalene | NPT | Qua | 648 60013 | 2369 110635 | 11516 | 22472 | 43811 | 0.200 30.0 | 1.00 50.0 | 5.00 | 10.0 | 20.0 |
| Acenaphthylene | ANT | Qua | 1481 116035 | 3801 202374 | 20507 | 36679 | 73827 | 0.200 30.0 | 1.00 50.0 | 5.00 | 10.0 | 20.0 |
| Acenaphthene | ANT | Lin | 184 70759 | 2196 128735 | 11510 | 20558 | 46141 | 0.200 30.0 | 1.00 50.0 | 5.00 | 10.0 | 20.0 |
| Fluorene | ANT | Lin | 308 80821 | 1754 153739 | 13841 | 24378 | 58332 | 0.200 30.0 | 1.00 50.0 | 5.00 | 10.0 | 20.0 |
| Phenanthrene | PHN | Ave | 560 124603 | 3569 236464 | 20935 | 44728 | 90821 | 0.200 30.0 | 1.00 50.0 | 5.00 | 10.0 | 20.0 |
| Anthracene | PHN | Lin | 1261 133306 | 3614 244157 | 22082 | 37381 | 94896 | 0.200 30.0 | 1.00 50.0 | 5.00 | 10.0 | 20.0 |
| Carbazole | PHN | Ave | 866 124856 | 2903 234016 | 20351 | 41744 | 87713 | 0.200 30.0 | 1.00 50.0 | 5.00 | 10.0 | 20.0 |
| Fluoranthene | PHN | Lin | 433 140868 | 4827 273177 | 22974 | 47287 | 109105 | 0.200 30.0 | 1.00 50.0 | 5.00 | 10.0 | 20.0 |
| Pyrene | CRY | Ave | 1068 148768 | 4995 302673 | 28020 | 49927 | 122882 | 0.200 30.0 | 1.00 50.0 | 5.00 | 10.0 | 20.0 |
| Benzo[a]anthracene | CRY | Qua | 2756 146829 | 4071 305445 | 22168 | 49156 | 117822 | 0.200 30.0 | 1.00 50.0 | 5.00 | 10.0 | 20.0 |
| Chrysene | CRY | Ave | 1172 152301 | 3881 296655 | 25011 | 52901 | 121002 | 0.200 30.0 | 1.00 50.0 | 5.00 | 10.0 | 20.0 |
| Benzo[b]fluoranthene | PRY | Ave | 1334 179789 | 4851 310324 | 22111 | 53250 | 121135 | 0.200 30.0 | 1.00 50.0 | 5.00 | 10.0 | 20.0 |
| Benzo[k]fluoranthene | PRY | Ave | 965 147881 | 4210 360897 | 27095 | 54841 | 137216 | 0.200 30.0 | 1.00 50.0 | 5.00 | 10.0 | 20.0 |

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Tampa Job No.: 680-89516-1 Analy Batch No.: 136792

SDG No.: 68089516-1

Instrument ID: BSMC5973 GC Column: DB-5MS ID: 250 (um) Heated Purge: (Y/N) N

Calibration Start Date: 04/24/2013 13:57 Calibration End Date: 04/24/2013 15:47 Calibration ID: 2916

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/ML) | | | | |
|------------------------|--------|------------|---------------|----------------|-------|-------|--------|-----------------------|--------------|-------|-------|-------|
| | | | LVL 1 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| | | | LVL 6 | LVL 7 | | | | LVL 6 | LVL 7 | | | |
| Benzo[a]pyrene | PRY | Lin | 432 157348 | 3756 313949 | 23731 | 53716 | 126513 | 0.200 30.0 | 1.00 50.0 | 5.00 | 10.0 | 20.0 |
| Indeno[1,2,3-cd]pyrene | PRY | Lin | 664 158186 | 4226 318480 | 20110 | 53522 | 116072 | 0.200 30.0 | 1.00 50.0 | 5.00 | 10.0 | 20.0 |
| Dibenz(a,h)anthracene | PRY | Ave | 764 150284 | 4029 304881 | 25125 | 49442 | 119713 | 0.200 30.0 | 1.00 50.0 | 5.00 | 10.0 | 20.0 |
| Benzo[g,h,i]perylene | PRY | Ave | 857 159984 | 4083 306375 | 27296 | 52142 | 116355 | 0.200 30.0 | 1.00 50.0 | 5.00 | 10.0 | 20.0 |
| o-Terphenyl | PHN | Ave | 439 58861 | 1649 129301 | 10394 | 22471 | 48930 | 0.200 30.0 | 1.00 50.0 | 5.00 | 10.0 | 20.0 |

Curve Type Legend:

| |
|----------------------|
| Ave = Average ISTD |
| Lin = Linear ISTD |
| Qua = Quadratic ISTD |

TestAmerica Laboratories

Semivolatiles 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C042413.b\1CD24007.D
 Lab Smp Id: ICIS-1531401
 Inj Date : 24-APR-2013 13:57
 Operator : SCC
 Smp Info : ICIS-1531401
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C042413.b\a-bFASTPAHi-m.m
 Meth Date : 24-Apr-2013 16:22 BSMC5973.i Quant Type: ISTD
 Cal Date : 24-APR-2013 15:47 Cal File: 1CD24013.D
 Als bottle: 3 Calibration Sample, Level: 5
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

| Compounds | QUANT SIG | | AMOUNTS | | | | |
|---------------------------|-----------|--------|---------|---------|----------|-----------------|----------------|
| | MASS | RT | EXP RT | REL RT | RESPONSE | CAL-AMT (ug/ml) | ON-COL (ug/ml) |
| * 1 Naphthalene-d8 | 136 | 3.633 | 3.633 | (1.000) | 127529 | 40.0000 | |
| * 6 Acenaphthene-d10 | 164 | 4.721 | 4.721 | (1.000) | 79707 | 40.0000 | |
| * 10 Phenanthrene-d10 | 188 | 5.663 | 5.663 | (1.000) | 157508 | 40.0000 | |
| \$ 14 o-Terphenyl | 230 | 5.910 | 5.910 | (1.044) | 48930 | 20.0000 | 20.6251 |
| * 18 Chrysene-d12 | 240 | 7.592 | 7.592 | (1.000) | 216809 | 40.0000 | |
| * 23 Perylene-d12 | 264 | 8.739 | 8.739 | (1.000) | 224587 | 40.0000 | |
| 2 Naphthalene | 128 | 3.645 | 3.645 | (1.003) | 65995 | 20.0000 | 18.8561 |
| 3 2-Methylnaphthalene | 142 | 4.074 | 4.074 | (1.121) | 47054 | 20.0000 | 23.0182 |
| 4 1-Methylnaphthalene | 142 | 4.133 | 4.133 | (1.138) | 43811 | 20.0000 | 19.5833 |
| 5 Acenaphthylene | 152 | 4.633 | 4.633 | (0.981) | 73827 | 20.0000 | 17.3135 |
| 7 Acenaphthene | 154 | 4.739 | 4.739 | (1.004) | 46141 | 20.0000 | 22.2383 |
| 9 Fluorene | 166 | 5.063 | 5.063 | (1.072) | 58332 | 20.0000 | 24.1426 |
| 11 Phenanthrene | 178 | 5.674 | 5.674 | (1.002) | 90821 | 20.0000 | 19.6674 |
| 12 Anthracene | 178 | 5.710 | 5.710 | (1.008) | 94896 | 20.0000 | 19.5145 |
| 13 Carbazole | 167 | 5.821 | 5.821 | (1.028) | 87713 | 20.0000 | 20.2346 |
| 15 Fluoranthene | 202 | 6.504 | 6.504 | (1.149) | 109105 | 20.0000 | 22.4815 |
| 16 Pyrene | 202 | 6.674 | 6.674 | (0.879) | 122882 | 20.0000 | 19.1909 |
| 17 Benzo(a)anthracene | 228 | 7.580 | 7.580 | (0.998) | 117822 | 20.0000 | 18.0612 |
| 19 Chrysene | 228 | 7.609 | 7.609 | (1.002) | 121002 | 20.0000 | 19.5445 |
| 20 Benzo(b)fluoranthene | 252 | 8.415 | 8.415 | (0.963) | 121135 | 20.0000 | 19.5020 |
| 21 Benzo(k)fluoranthene | 252 | 8.433 | 8.433 | (0.965) | 137216 | 20.0000 | 22.7040 |
| 22 Benzo(a)pyrene | 252 | 8.692 | 8.692 | (0.995) | 126513 | 20.0000 | 23.9858 |
| 24 Indeno(1,2,3-cd)pyrene | 276 | 9.839 | 9.839 | (1.126) | 116072 | 20.0000 | 19.2071(M) |
| 25 Dibenzo(a,h)anthracene | 278 | 9.856 | 9.856 | (1.128) | 119713 | 20.0000 | 20.3903 |
| 26 Benzo(g,h,i)perylene | 276 | 10.168 | 10.168 | (1.164) | 116355 | 20.0000 | 20.5184 |

QC Flag Legend

M - Compound response manually integrated.

Data File: 1CD24007.D

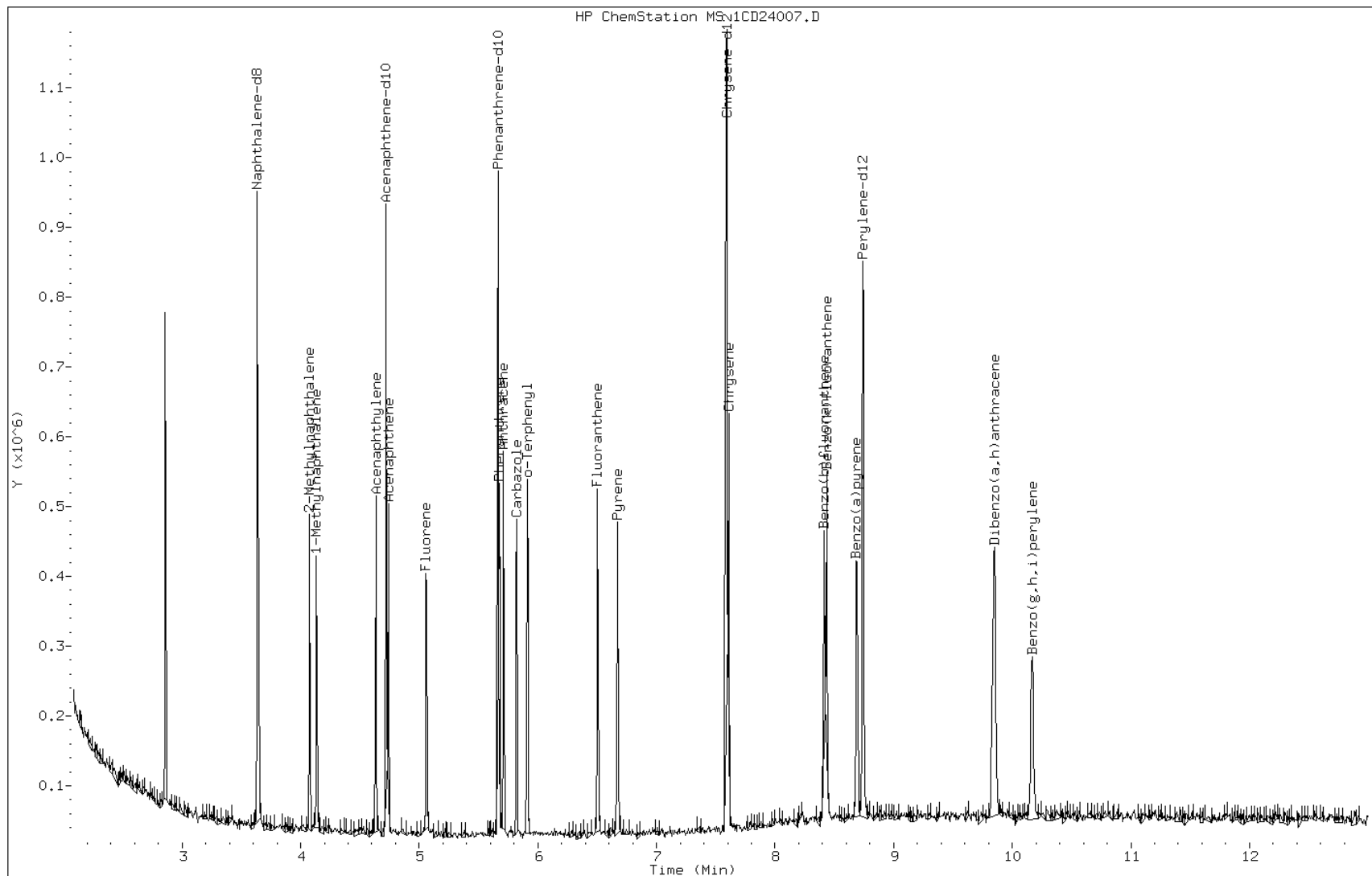
Date: 24-APR-2013 13:57

Client ID:

Instrument: BSMC5973.i

Sample Info: ICIS-1531401

Operator: SCC

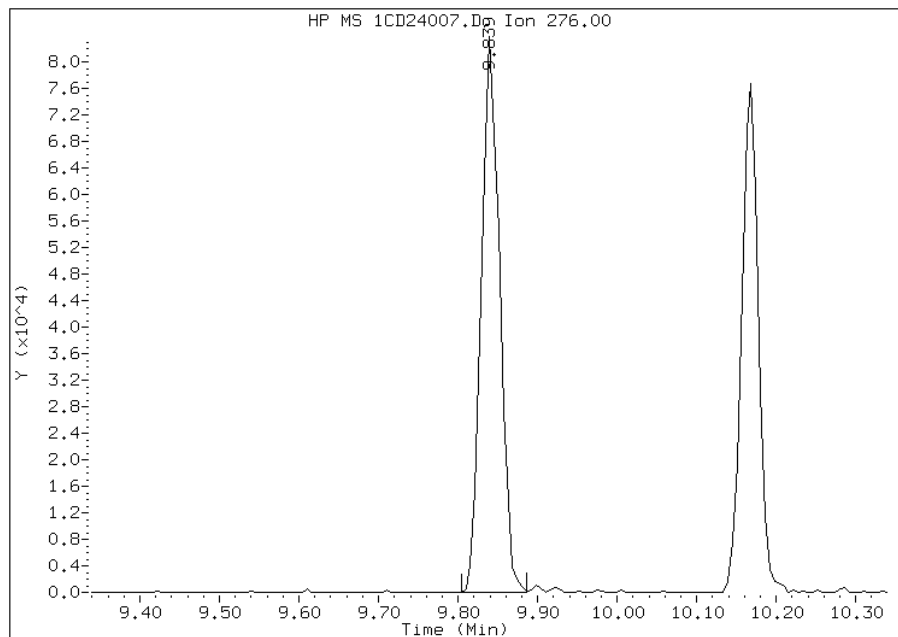


Manual Integration Report

Data File: 1CD24007.D
Inj. Date and Time: 24-APR-2013 13:57
Instrument ID: BSMC5973.i
Client ID:
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/24/2013

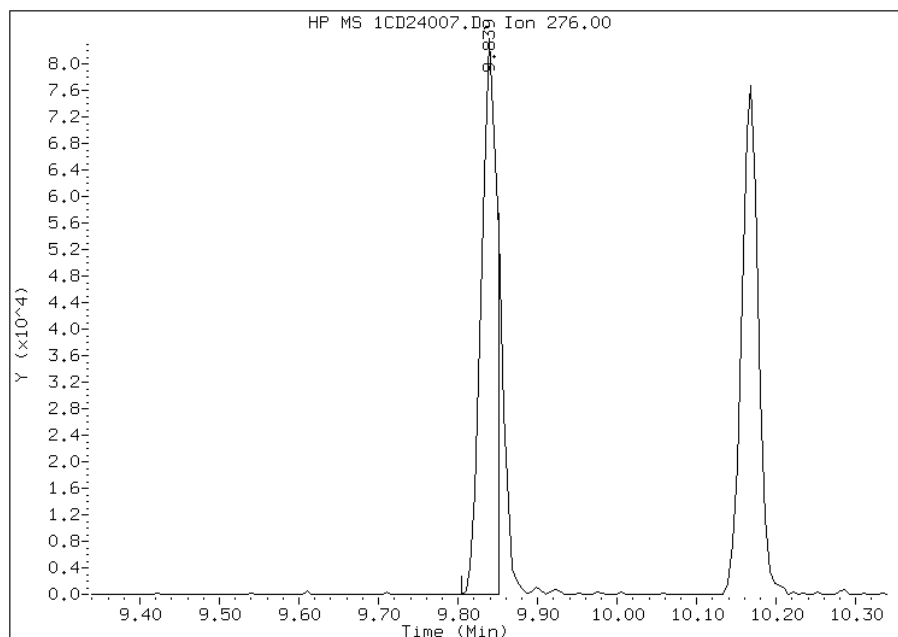
Processing Integration Results

RT: 9.84
Response: 133132
Amount: 23
Conc: 23



Manual Integration Results

RT: 9.84
Response: 116072
Amount: 19
Conc: 19



Manually Integrated By: cantins
Modification Date: 24-Apr-2013 16:00
Manual Integration Reason: Split Peak

TestAmerica Laboratories

Semivolatile 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C042413.b\1CD24008.D
 Lab Smp Id: IC-1531396
 Inj Date : 24-APR-2013 14:16
 Operator : SCC
 Smp Info : IC-1531396
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C042413.b\a-bFASTPAHi-m.m
 Meth Date : 24-Apr-2013 16:22 BSMC5973.i Quant Type: ISTD
 Cal Date : 24-APR-2013 13:57 Cal File: 1CD24007.D
 Als bottle: 4 Calibration Sample, Level: 1
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

| Compounds | QUANT SIG | AMOUNTS | | | | | |
|---------------------------|-----------|---------|--------|---------|--------|----------|-----------------|
| | | MASS | RT | EXP RT | REL RT | RESPONSE | CAL-AMT (ug/ml) |
| * 1 Naphthalene-d8 | 136 | 3.633 | 3.633 | (1.000) | 139068 | 40.0000 | |
| * 6 Acenaphthene-d10 | 164 | 4.721 | 4.721 | (1.000) | 86346 | 40.0000 | |
| * 10 Phenanthrene-d10 | 188 | 5.657 | 5.657 | (1.000) | 152225 | 40.0000 | |
| \$ 14 o-Terphenyl | 230 | 5.915 | 5.915 | (1.046) | 439 | 0.20000 | 0.5641(Q) |
| * 18 Chrysene-d12 | 240 | 7.586 | 7.586 | (1.000) | 191522 | 40.0000 | |
| * 23 Perylene-d12 | 264 | 8.733 | 8.733 | (1.000) | 207323 | 40.0000 | |
| 2 Naphthalene | 128 | 3.645 | 3.645 | (1.003) | 1035 | 0.20000 | 0.2711(Q) |
| 3 2-Methylnaphthalene | 142 | 4.074 | 4.074 | (1.121) | 519 | 0.20000 | -0.2877(aQ) |
| 4 1-Methylnaphthalene | 142 | 4.139 | 4.139 | (1.139) | 648 | 0.20000 | 0.2656(Q) |
| 5 Acenaphthylene | 152 | 4.633 | 4.633 | (0.981) | 1481 | 0.20000 | 0.3206 |
| 7 Acenaphthene | 154 | 4.739 | 4.739 | (1.004) | 184 | 0.20000 | 0.0818(Q) |
| 9 Fluorene | 166 | 5.063 | 5.063 | (1.072) | 308 | 0.20000 | 0.1176(Q) |
| 11 Phenanthrene | 178 | 5.674 | 5.674 | (1.003) | 560 | 0.20000 | 0.2028(Q) |
| 12 Anthracene | 178 | 5.710 | 5.710 | (1.009) | 1261 | 0.20000 | 0.2683(H) |
| 13 Carbazole | 167 | 5.821 | 5.821 | (1.029) | 866 | 0.20000 | 0.2067(M) |
| 15 Fluoranthene | 202 | 6.510 | 6.510 | (1.151) | 433 | 0.20000 | 0.0923(Q) |
| 16 Pyrene | 202 | 6.668 | 6.668 | (0.879) | 1068 | 0.20000 | 0.1888 |
| 17 Benzo(a)anthracene | 228 | 7.580 | 7.580 | (0.999) | 2756 | 0.20000 | 0.4782 |
| 19 Chrysene | 228 | 7.609 | 7.609 | (1.003) | 1172 | 0.20000 | 0.2142 |
| 20 Benzo(b)fluoranthene | 252 | 8.409 | 8.409 | (0.963) | 1334 | 0.20000 | 0.2326 |
| 21 Benzo(k)fluoranthene | 252 | 8.427 | 8.427 | (0.965) | 965 | 0.20000 | 0.1729(Q) |
| 22 Benzo(a)pyrene | 252 | 8.692 | 8.692 | (0.995) | 432 | 0.20000 | 0.0887(Q) |
| 24 Indeno(1,2,3-cd)pyrene | 276 | 9.821 | 9.821 | (1.125) | 664 | 0.20000 | 0.7334(MH) |
| 25 Dibenzo(a,h)anthracene | 278 | 9.833 | 9.833 | (1.126) | 764 | 0.20000 | 0.3968(MH) |
| 26 Benzo(g,h,i)perylene | 276 | 10.156 | 10.156 | (1.163) | 857 | 0.20000 | 0.1637(MH) |

QC Flag Legend

- a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

Data File: 1CD24008.D

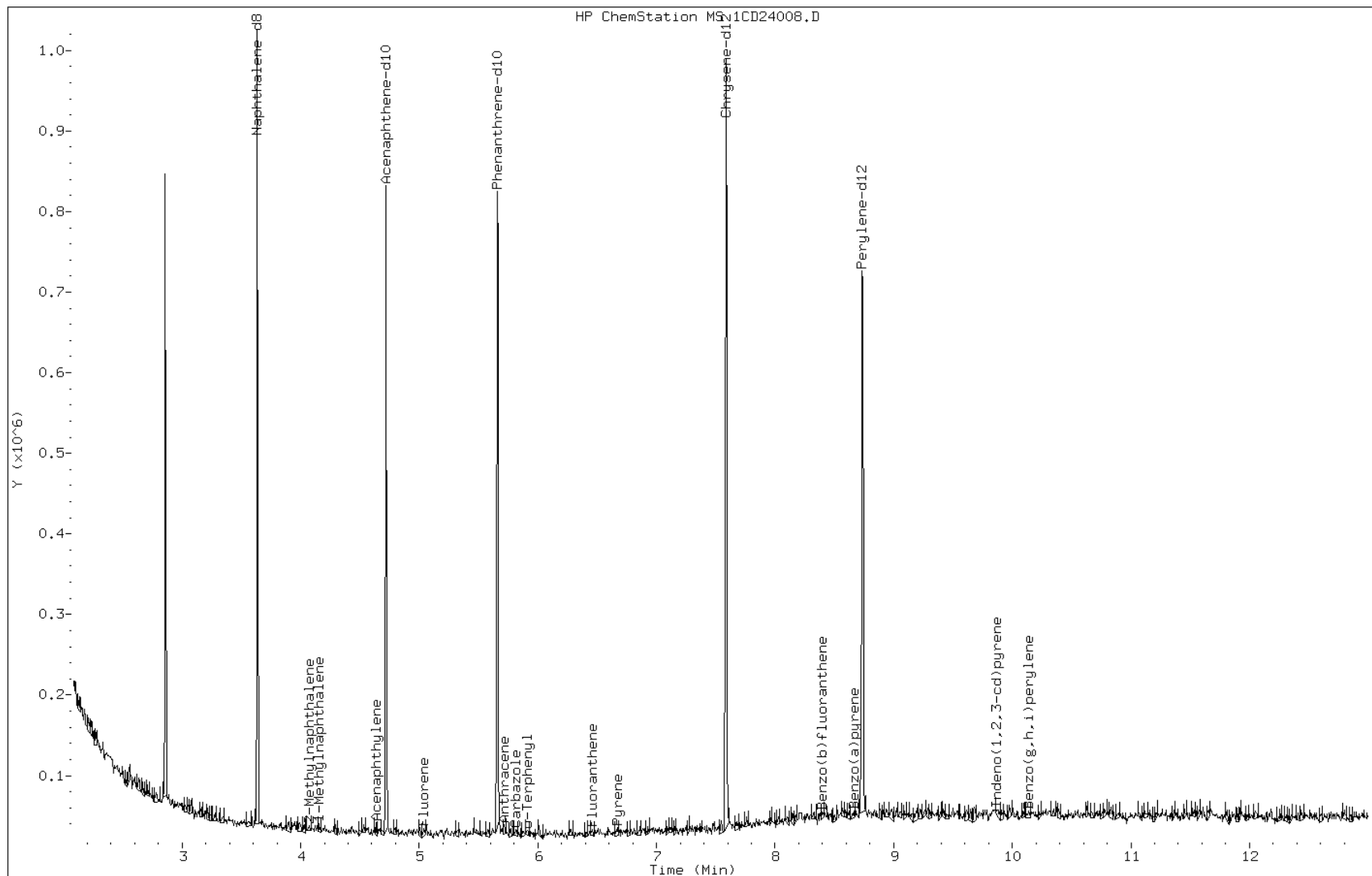
Date: 24-APR-2013 14:16

Client ID:

Instrument: BSMC5973.i

Sample Info: IC-1531396

Operator: SCC



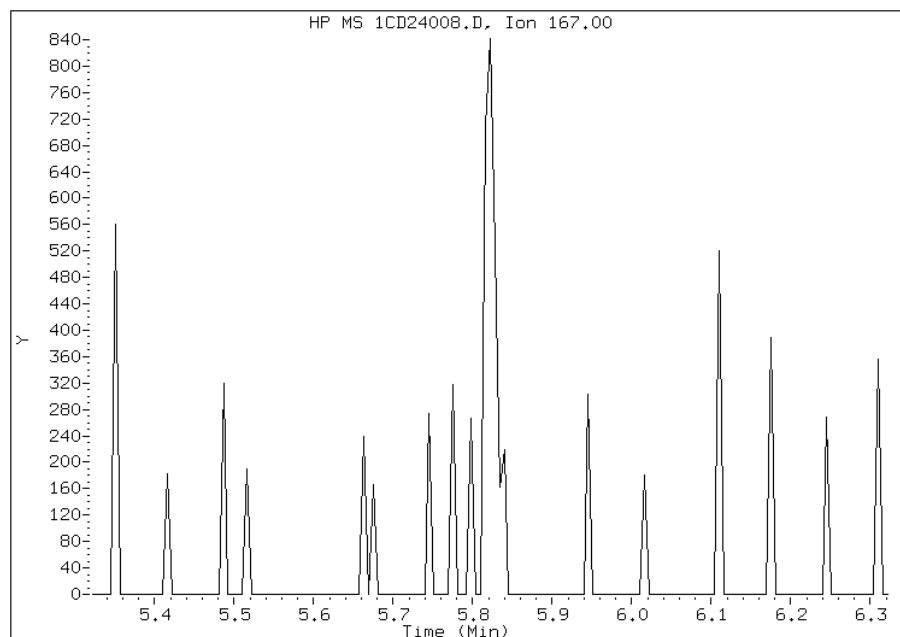
Manual Integration Report

Data File: 1CD24008.D
Inj. Date and Time: 24-APR-2013 14:16
Instrument ID: BSMC5973.i
Client ID:
Compound: 13 Carbazole
CAS #: 86-74-8
Report Date: 04/24/2013

Processing Integration Results

Not Detected

Expected RT: 5.82



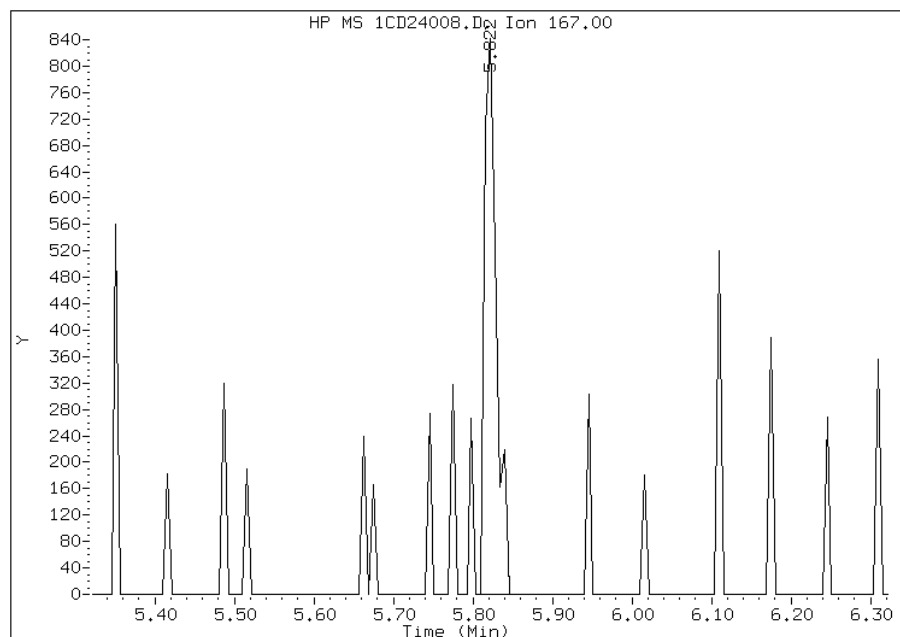
Manual Integration Results

RT: 5.82

Response: 866

Amount: 0

Conc: 0



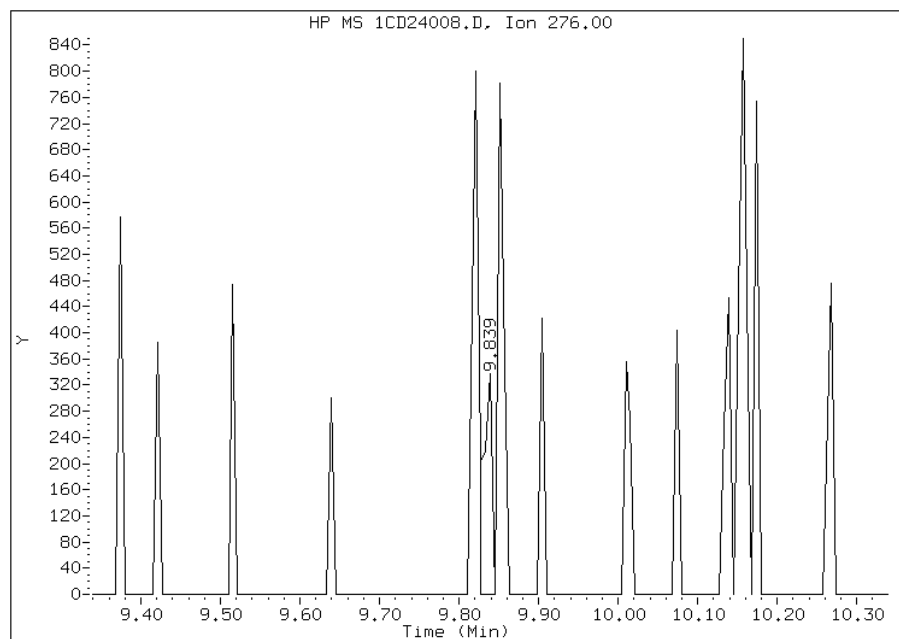
Manually Integrated By: cantins
Modification Date: 24-Apr-2013 16:05
Manual Integration Reason: Analyte not Identified by the Data System

Manual Integration Report

Data File: 1CD24008.D
Inj. Date and Time: 24-APR-2013 14:16
Instrument ID: BSMC5973.i
Client ID:
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/24/2013

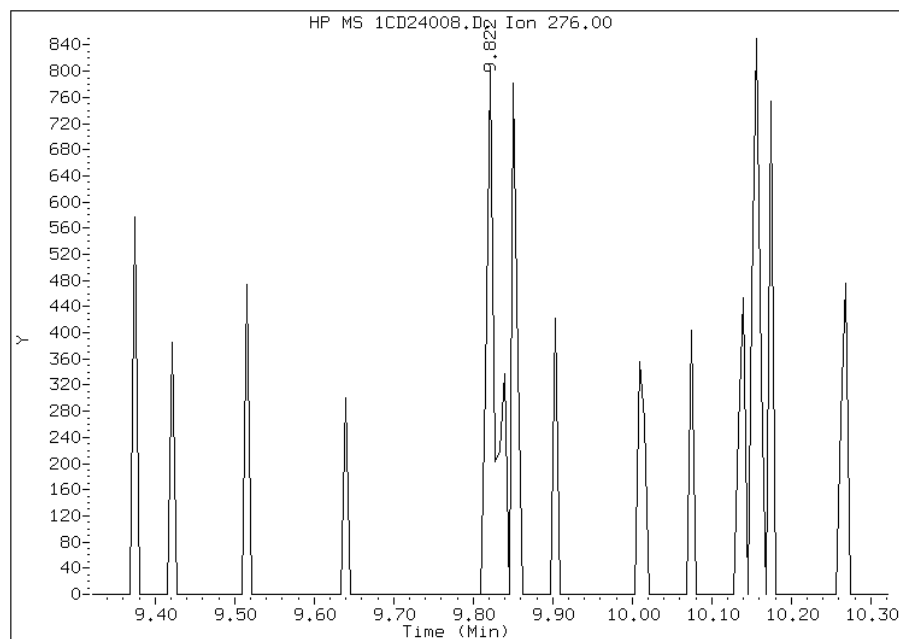
Processing Integration Results

RT: 9.84
Response: 268
Amount: 1
Conc: 1



Manual Integration Results

RT: 9.82
Response: 664
Amount: 1
Conc: 1



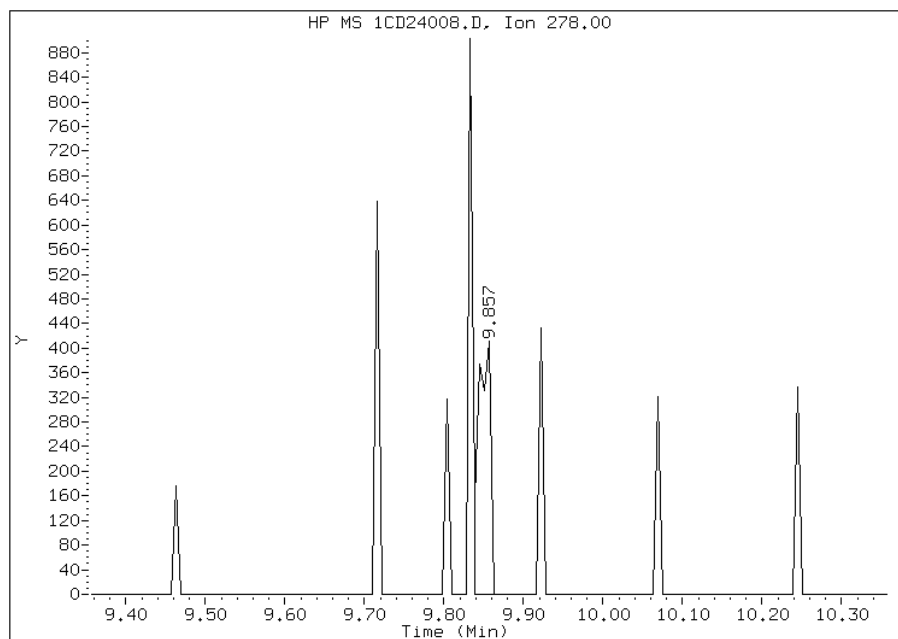
Manually Integrated By: cantins
Modification Date: 24-Apr-2013 16:07
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1CD24008.D
Inj. Date and Time: 24-APR-2013 14:16
Instrument ID: BSMC5973.i
Client ID:
Compound: 25 Dibenzo(a,h)anthracene
CAS #: 53-70-3
Report Date: 04/24/2013

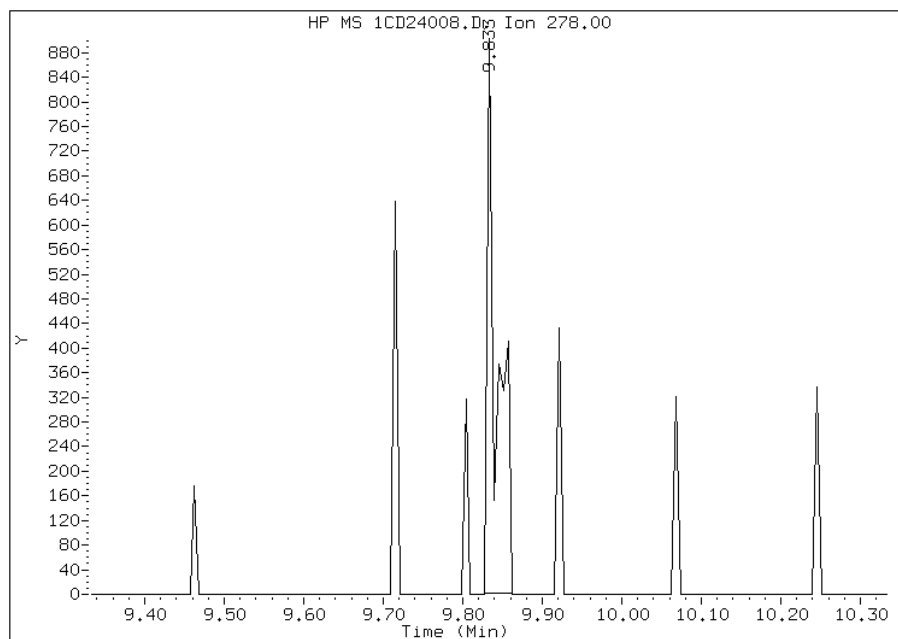
Processing Integration Results

RT: 9.86
Response: 447
Amount: 1
Conc: 1



Manual Integration Results

RT: 9.83
Response: 764
Amount: 0
Conc: 0



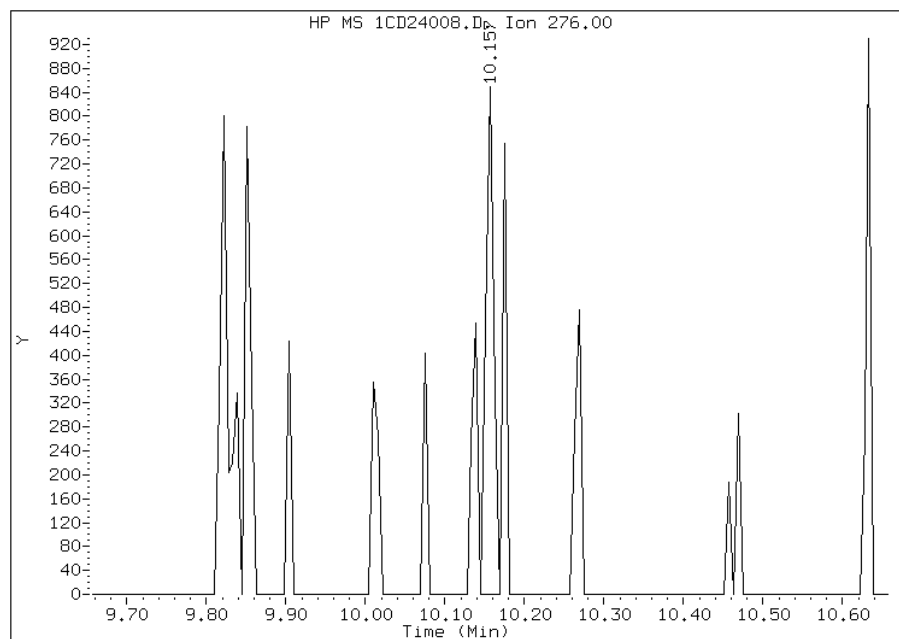
Manually Integrated By: cantins
Modification Date: 24-Apr-2013 16:07
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1CD24008.D
Inj. Date and Time: 24-APR-2013 14:16
Instrument ID: BSMC5973.i
Client ID:
Compound: 26 Benzo(g,h,i)perylene
CAS #: 191-24-2
Report Date: 04/24/2013

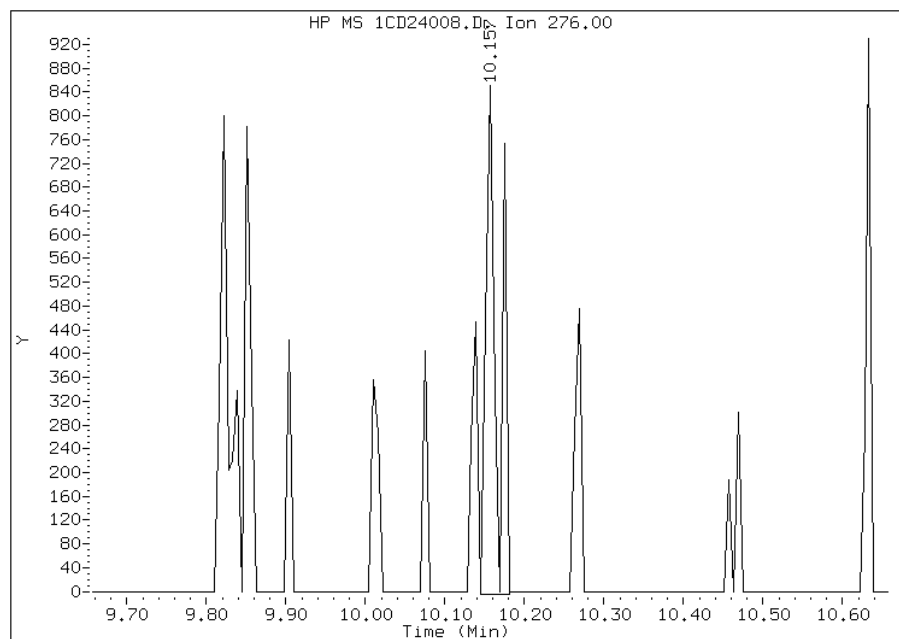
Processing Integration Results

RT: 10.16
Response: 578
Amount: 0
Conc: 0



Manual Integration Results

RT: 10.16
Response: 857
Amount: 0
Conc: 0



Manually Integrated By: cantins
Modification Date: 24-Apr-2013 16:07
Manual Integration Reason: Baseline Event

TestAmerica Laboratories

Semivolatile 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C042413.b\1CD24009.D
 Lab Smp Id: IC-1531398
 Inj Date : 24-APR-2013 14:34
 Operator : SCC
 Smp Info : IC-1531398
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C042413.b\a-bFASTPAHi-m.m
 Meth Date : 24-Apr-2013 16:22 BSMC5973.i Quant Type: ISTD
 Cal Date : 24-APR-2013 14:16 Cal File: 1CD24008.D
 Als bottle: 5 Calibration Sample, Level: 2
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

| Compounds | QUANT SIG | | | | | AMOUNTS | |
|---------------------------|-----------|--------|--------|---------|----------|--------------------|-------------------|
| | MASS | RT | EXP RT | REL RT | RESPONSE | CAL-AMT (ug/ml) | ON-COL (ug/ml) |
| * 1 Naphthalene-d8 | 136 | 3.633 | 3.633 | (1.000) | 126978 | 40.0000 | |
| * 6 Acenaphthene-d10 | 164 | 4.721 | 4.721 | (1.000) | 79312 | 40.0000 | |
| * 10 Phenanthrene-d10 | 188 | 5.657 | 5.657 | (1.000) | 132230 | 40.0000 | |
| \$ 14 o-Terphenyl | 230 | 5.915 | 5.915 | (1.046) | 1649 | 1.00000 | 1.1890(Q) |
| * 18 Chrysene-d12 | 240 | 7.586 | 7.586 | (1.000) | 149120 | 40.0000 | |
| * 23 Perylene-d12 | 264 | 8.733 | 8.733 | (1.000) | 164557 | 40.0000 | |
| 2 Naphthalene | 128 | 3.645 | 3.645 | (1.003) | 2549 | 1.00000 | 0.7314(Q) |
| 3 2-Methylnaphthalene | 142 | 4.074 | 4.074 | (1.121) | 1339 | 1.00000 | 0.1469 |
| 4 1-Methylnaphthalene | 142 | 4.133 | 4.133 | (1.138) | 2369 | 1.00000 | 1.0635(Q) |
| 5 Acenaphthylene | 152 | 4.633 | 4.633 | (0.981) | 3801 | 1.00000 | 0.8958 |
| 7 Acenaphthene | 154 | 4.739 | 4.739 | (1.004) | 2196 | 1.00000 | 1.0636(Q) |
| 9 Fluorene | 166 | 5.057 | 5.057 | (1.071) | 1754 | 1.00000 | 0.7295(QM) |
| 11 Phenanthrene | 178 | 5.674 | 5.674 | (1.003) | 3569 | 1.00000 | 0.9784(Q) |
| 12 Anthracene | 178 | 5.710 | 5.710 | (1.009) | 3614 | 1.00000 | 0.8852 |
| 13 Carbazole | 167 | 5.821 | 5.821 | (1.029) | 2903 | 1.00000 | 0.7977 |
| 15 Fluoranthene | 202 | 6.504 | 6.504 | (1.150) | 4827 | 1.00000 | 1.1847(Q) |
| 16 Pyrene | 202 | 6.668 | 6.668 | (0.879) | 4995 | 1.00000 | 1.1341 |
| 17 Benzo(a)anthracene | 228 | 7.580 | 7.580 | (0.999) | 4071 | 1.00000 | 0.9073 |
| 19 Chrysene | 228 | 7.609 | 7.609 | (1.003) | 3881 | 1.00000 | 0.9114 |
| 20 Benzo(b)fluoranthene | 252 | 8.404 | 8.404 | (0.962) | 4851 | 1.00000 | 1.0658 |
| 21 Benzo(k)fluoranthene | 252 | 8.421 | 8.421 | (0.964) | 4210 | 1.00000 | 0.9507(Q) |
| 22 Benzo(a)pyrene | 252 | 8.680 | 8.680 | (0.994) | 3756 | 1.00000 | 0.9718(Q) |
| 24 Indeno(1,2,3-cd)pyrene | 276 | 9.827 | 9.827 | (1.125) | 4226 | 1.00000 | 1.5419(M) |
| 25 Dibenzo(a,h)anthracene | 278 | 9.845 | 9.845 | (1.127) | 4029 | 1.00000 | 1.1823(M) |
| 26 Benzo(g,h,i)perylene | 276 | 10.156 | 10.156 | (1.163) | 4083 | 1.00000 | 0.9826(M) |

QC Flag Legend

Q - Qualifier signal failed the ratio test.
 M - Compound response manually integrated.

Data File: 1CD24009.D

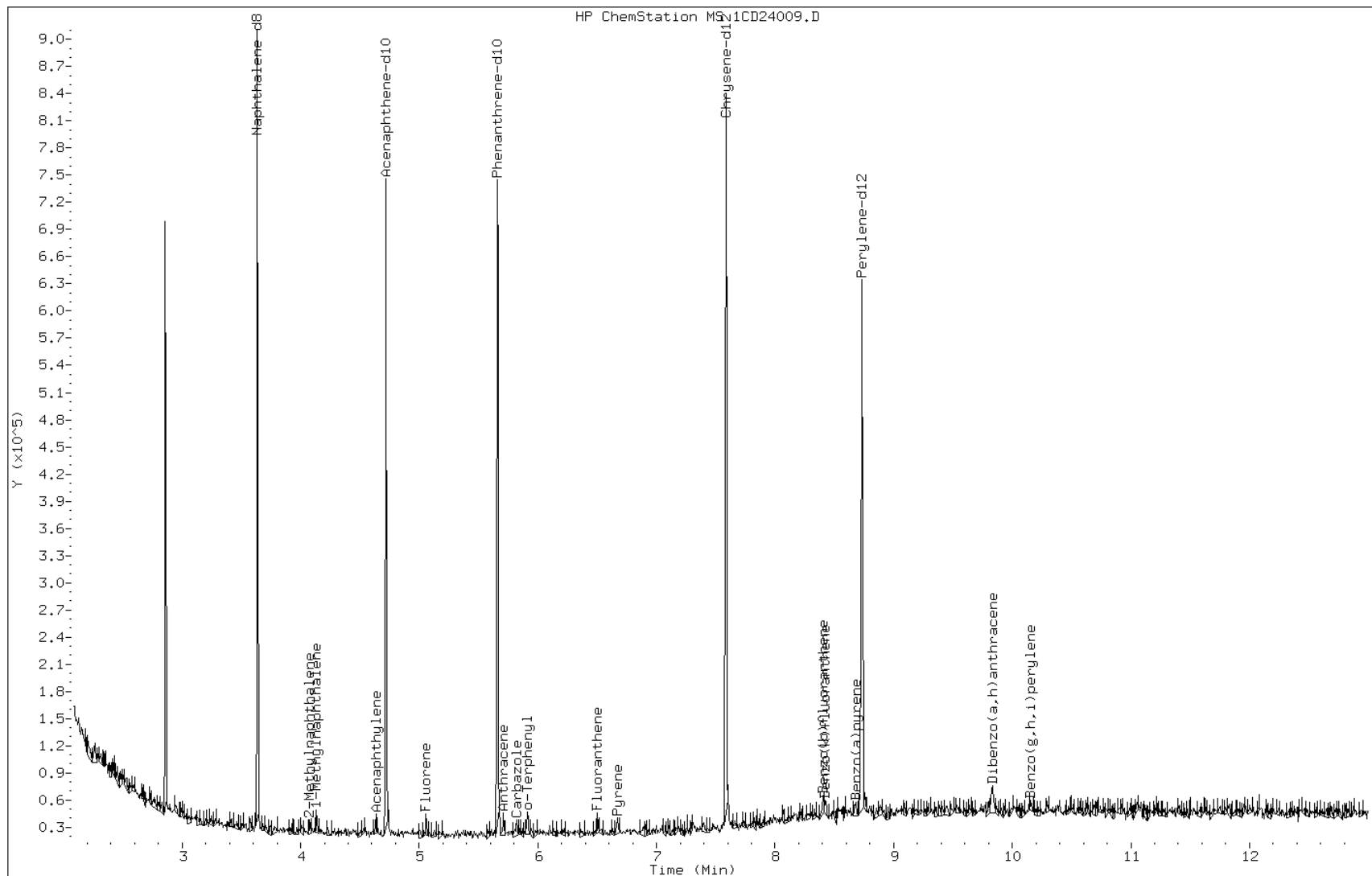
Date: 24-APR-2013 14:34

Client ID:

Instrument: BSMC5973.i

Sample Info: IC-1531398

Operator: SCC



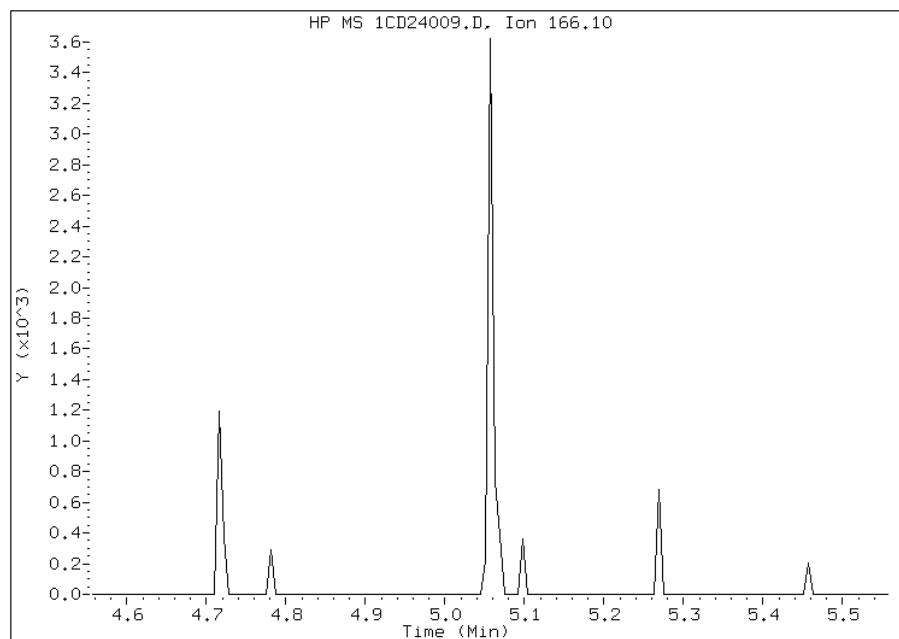
Manual Integration Report

Data File: 1CD24009.D
Inj. Date and Time: 24-APR-2013 14:34
Instrument ID: BSMC5973.i
Client ID:
Compound: 9 Fluorene
CAS #: 86-73-7
Report Date: 04/24/2013

Processing Integration Results

Not Detected

Expected RT: 5.06



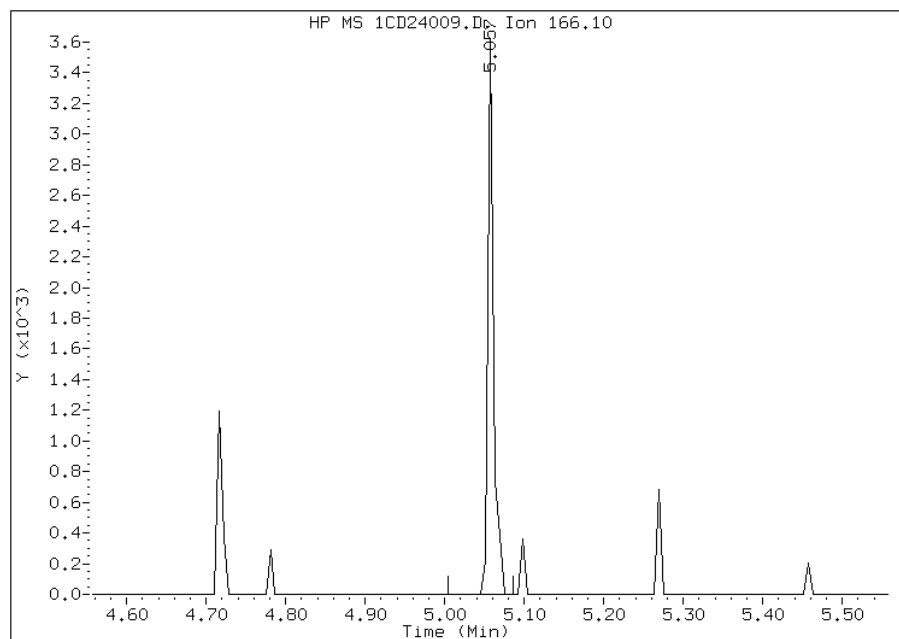
Manual Integration Results

RT: 5.06

Response: 1754

Amount: 1

Conc: 1



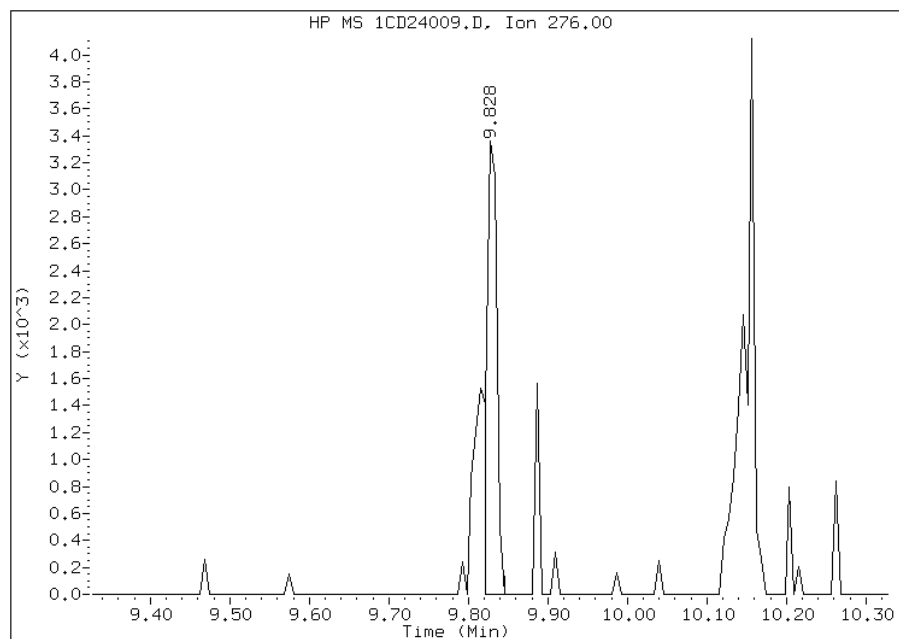
Manually Integrated By: cantins
Modification Date: 24-Apr-2013 16:14
Manual Integration Reason: Analyte not Identified by the Data System

Manual Integration Report

Data File: 1CD24009.D
Inj. Date and Time: 24-APR-2013 14:34
Instrument ID: BSMC5973.i
Client ID:
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/24/2013

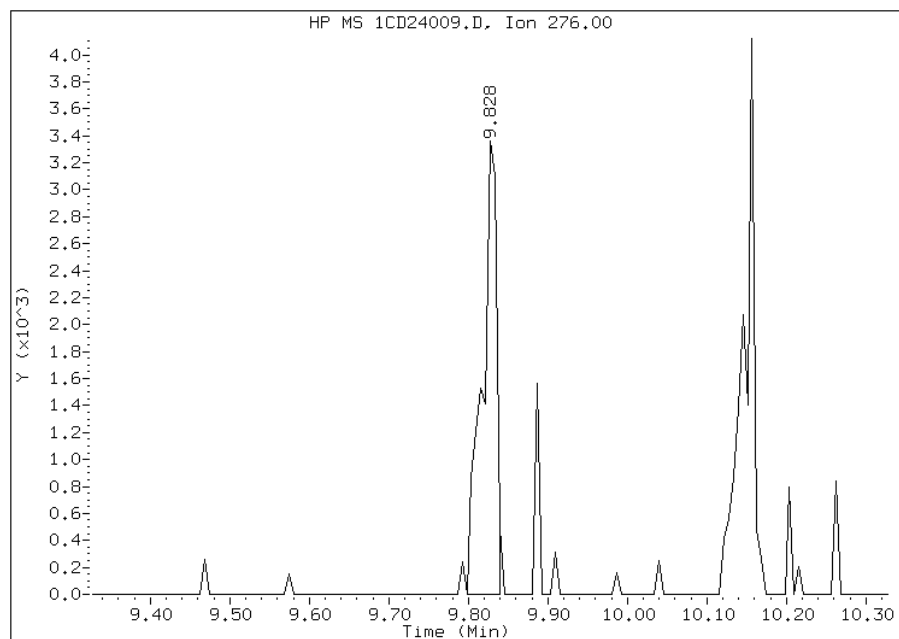
Processing Integration Results

RT: 9.83
Response: 2955
Amount: 2
Conc: 2



Manual Integration Results

RT: 9.83
Response: 4226
Amount: 2
Conc: 2



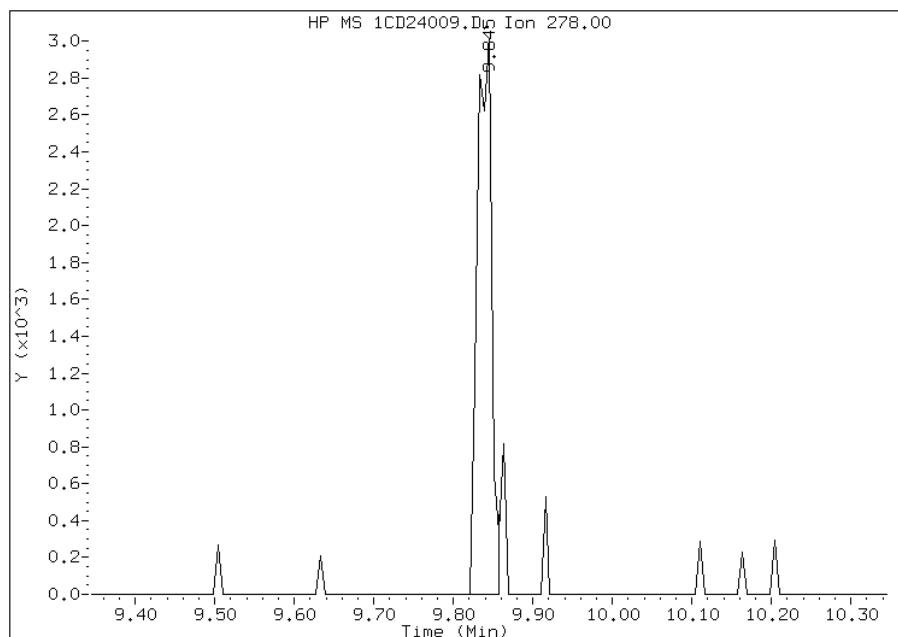
Manually Integrated By: cantins
Modification Date: 24-Apr-2013 16:14
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1CD24009.D
Inj. Date and Time: 24-APR-2013 14:34
Instrument ID: BSMC5973.i
Client ID:
Compound: 25 Dibenzo(a,h)anthracene
CAS #: 53-70-3
Report Date: 04/24/2013

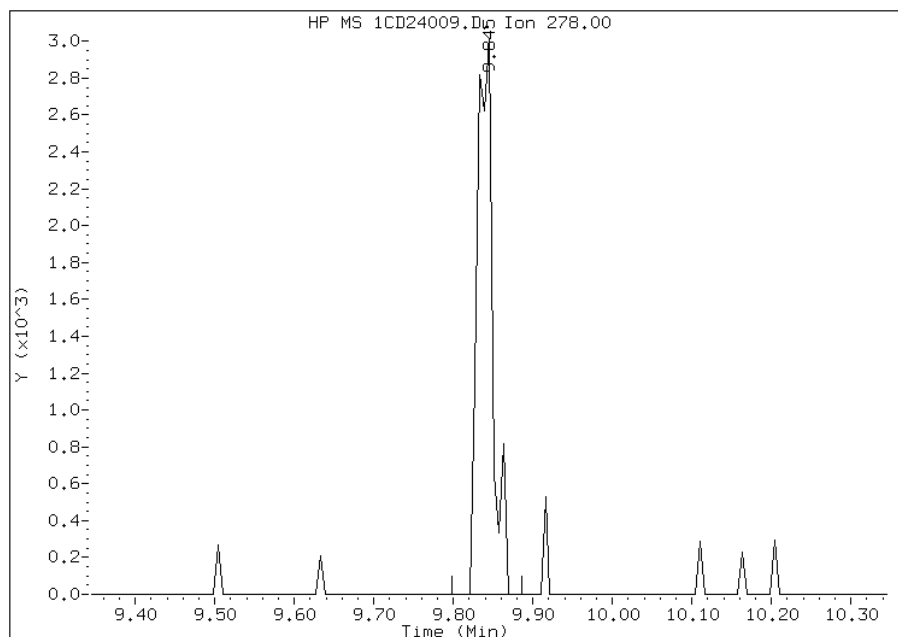
Processing Integration Results

RT: 9.85
Response: 3739
Amount: 1
Conc: 1



Manual Integration Results

RT: 9.85
Response: 4029
Amount: 1
Conc: 1



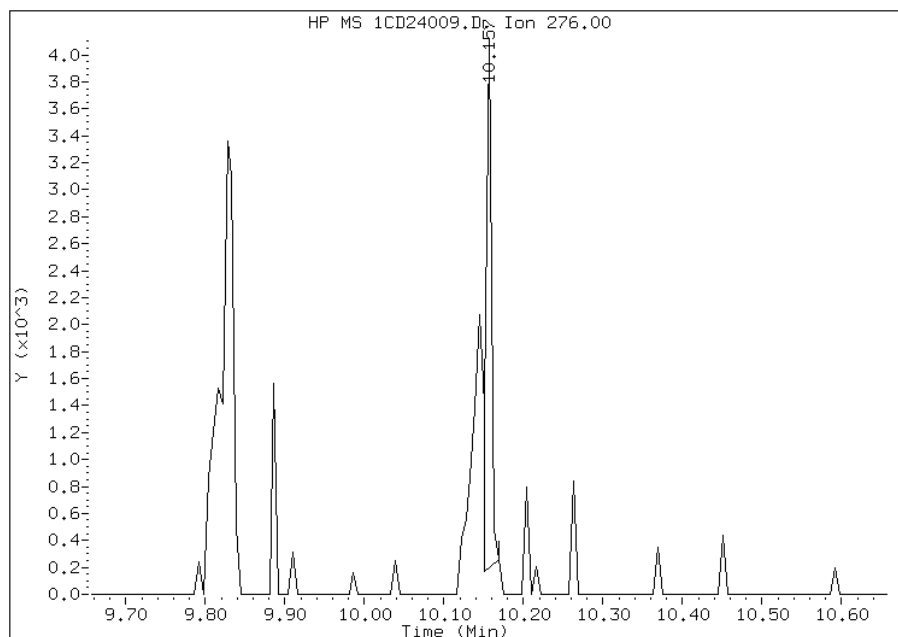
Manually Integrated By: cantins
Modification Date: 24-Apr-2013 16:14
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1CD24009.D
Inj. Date and Time: 24-APR-2013 14:34
Instrument ID: BSMC5973.i
Client ID:
Compound: 26 Benzo(g,h,i)perylene
CAS #: 191-24-2
Report Date: 04/24/2013

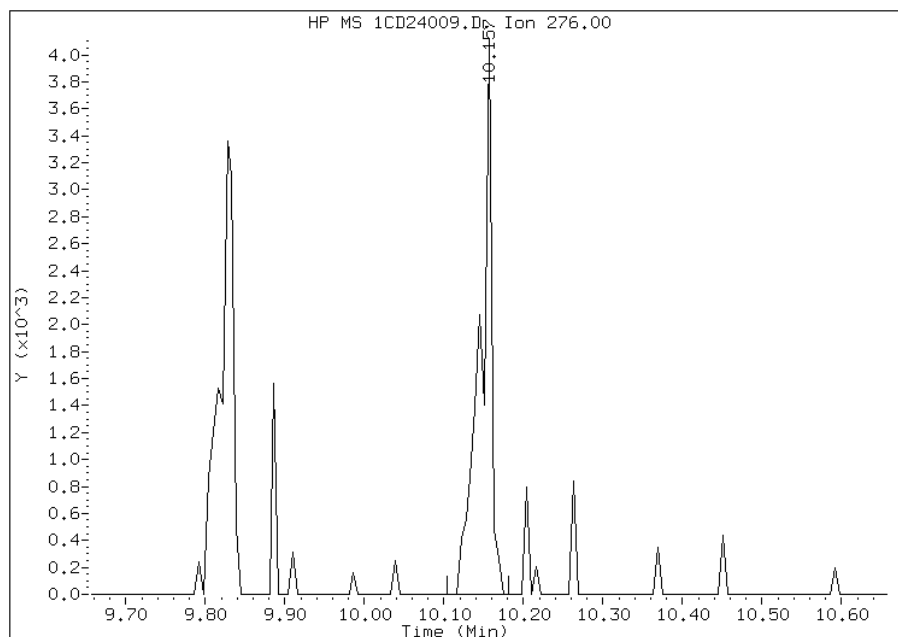
Processing Integration Results

RT: 10.16
Response: 1906
Amount: 0
Conc: 0



Manual Integration Results

RT: 10.16
Response: 4083
Amount: 1
Conc: 1



Manually Integrated By: cantins
Modification Date: 24-Apr-2013 16:14
Manual Integration Reason: Baseline Event

TestAmerica Laboratories

Semivolatile 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C042413.b\1CD24010.D
 Lab Smp Id: IC-1531399
 Inj Date : 24-APR-2013 14:52
 Operator : SCC
 Smp Info : IC-1531399
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C042413.b\a-bFASTPAHi-m.m
 Meth Date : 24-Apr-2013 16:22 BSMC5973.i Quant Type: ISTD
 Cal Date : 24-APR-2013 14:34 Cal File: 1CD24009.D
 Als bottle: 6 Calibration Sample, Level: 3
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

| Compounds | QUANT SIG | | | | | AMOUNTS | |
|---------------------------|-----------|--------|--------|---------|----------|--------------------|-------------------|
| | MASS | RT | EXP RT | REL RT | RESPONSE | CAL-AMT (ug/ml) | ON-COL (ug/ml) |
| * 1 Naphthalene-d8 | 136 | 3.633 | 3.633 | (1.000) | 132911 | 40.0000 | |
| * 6 Acenaphthene-d10 | 164 | 4.721 | 4.721 | (1.000) | 76929 | 40.0000 | |
| * 10 Phenanthrene-d10 | 188 | 5.662 | 5.662 | (1.000) | 138489 | 40.0000 | |
| \$ 14 o-Terphenyl | 230 | 5.909 | 5.909 | (1.044) | 10394 | 5.00000 | 5.2683 |
| * 18 Chrysene-d12 | 240 | 7.586 | 7.586 | (1.000) | 181945 | 40.0000 | |
| * 23 Perylene-d12 | 264 | 8.727 | 8.727 | (1.000) | 215540 | 40.0000 | |
| 2 Naphthalene | 128 | 3.651 | 3.651 | (1.005) | 20341 | 5.00000 | 5.5765(Q) |
| 3 2-Methylnaphthalene | 142 | 4.074 | 4.074 | (1.121) | 10424 | 5.00000 | 4.4786(Q) |
| 4 1-Methylnaphthalene | 142 | 4.133 | 4.133 | (1.138) | 11516 | 5.00000 | 4.9391(Q) |
| 5 Acenaphthylene | 152 | 4.633 | 4.633 | (0.981) | 20507 | 5.00000 | 4.9828 |
| 7 Acenaphthene | 154 | 4.739 | 4.739 | (1.004) | 11510 | 5.00000 | 5.7477(Q) |
| 9 Fluorene | 166 | 5.057 | 5.057 | (1.071) | 13841 | 5.00000 | 5.9354(Q) |
| 11 Phenanthrene | 178 | 5.674 | 5.674 | (1.002) | 20935 | 5.00000 | 5.1331 |
| 12 Anthracene | 178 | 5.709 | 5.709 | (1.008) | 22082 | 5.00000 | 5.1645 |
| 13 Carbazole | 167 | 5.815 | 5.815 | (1.027) | 20351 | 5.00000 | 5.3395 |
| 15 Fluoranthene | 202 | 6.504 | 6.504 | (1.149) | 22974 | 5.00000 | 5.3839 |
| 16 Pyrene | 202 | 6.668 | 6.668 | (0.879) | 28020 | 5.00000 | 5.2145 |
| 17 Benzo(a)anthracene | 228 | 7.580 | 7.580 | (0.999) | 22168 | 5.00000 | 4.0493 |
| 19 Chrysene | 228 | 7.609 | 7.609 | (1.003) | 25011 | 5.00000 | 4.8139 |
| 20 Benzo(b)fluoranthene | 252 | 8.398 | 8.398 | (0.962) | 22111 | 5.00000 | 3.7091 |
| 21 Benzo(k)fluoranthene | 252 | 8.421 | 8.421 | (0.965) | 27095 | 5.00000 | 4.6713 |
| 22 Benzo(a)pyrene | 252 | 8.674 | 8.674 | (0.994) | 23731 | 5.00000 | 4.6880 |
| 24 Indeno(1,2,3-cd)pyrene | 276 | 9.821 | 9.821 | (1.125) | 20110 | 5.00000 | 3.9740(M) |
| 25 Dibenzo(a,h)anthracene | 278 | 9.833 | 9.833 | (1.127) | 25125 | 5.00000 | 4.6603 |
| 26 Benzo(g,h,i)perylene | 276 | 10.144 | 10.144 | (1.162) | 27296 | 5.00000 | 5.0155 |

QC Flag Legend

Q - Qualifier signal failed the ratio test.
 M - Compound response manually integrated.

Data File: 1CD24010.D

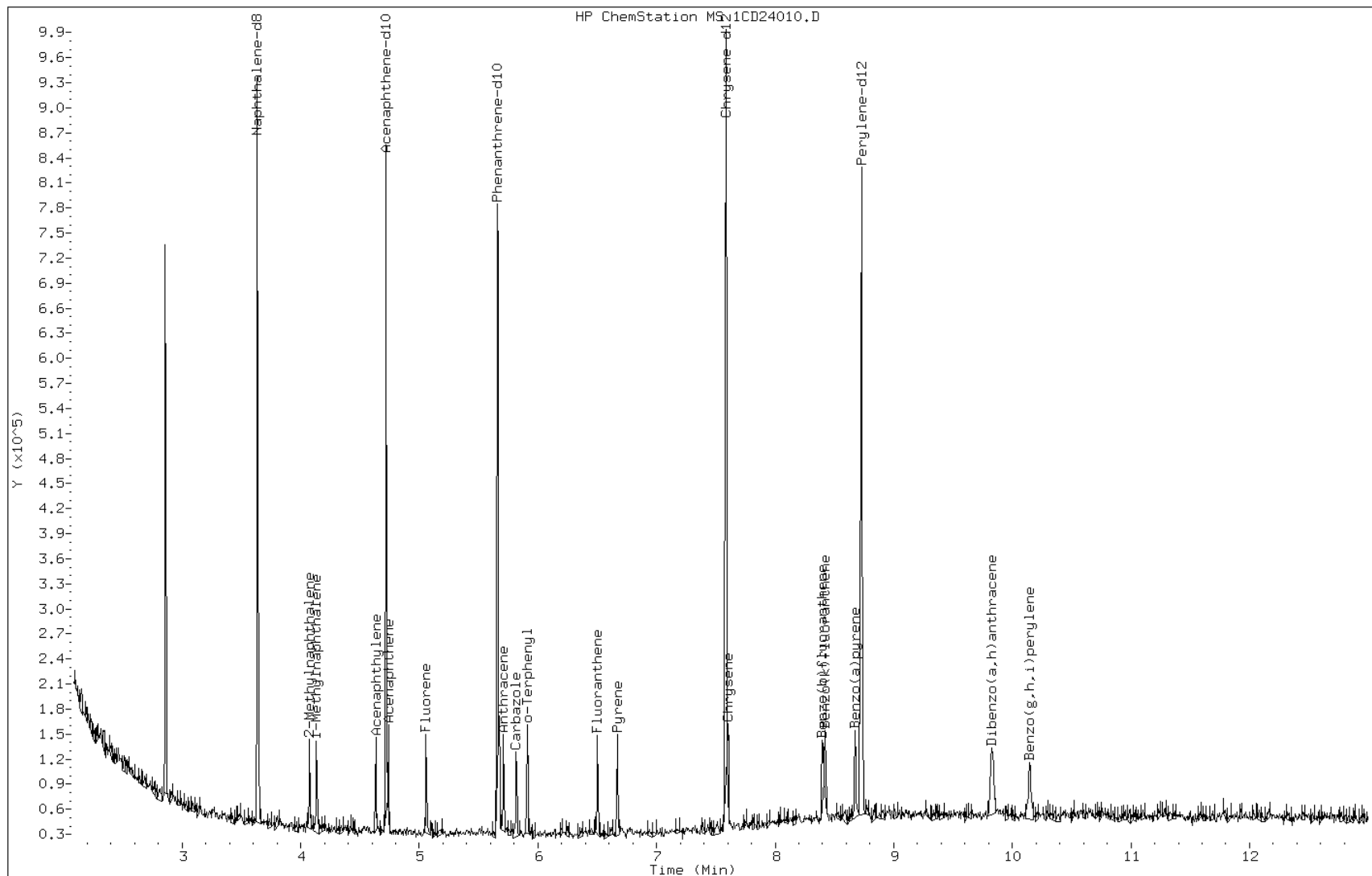
Date: 24-APR-2013 14:52

Client ID:

Instrument: BSMC5973.i

Sample Info: IC-1531399

Operator: SCC

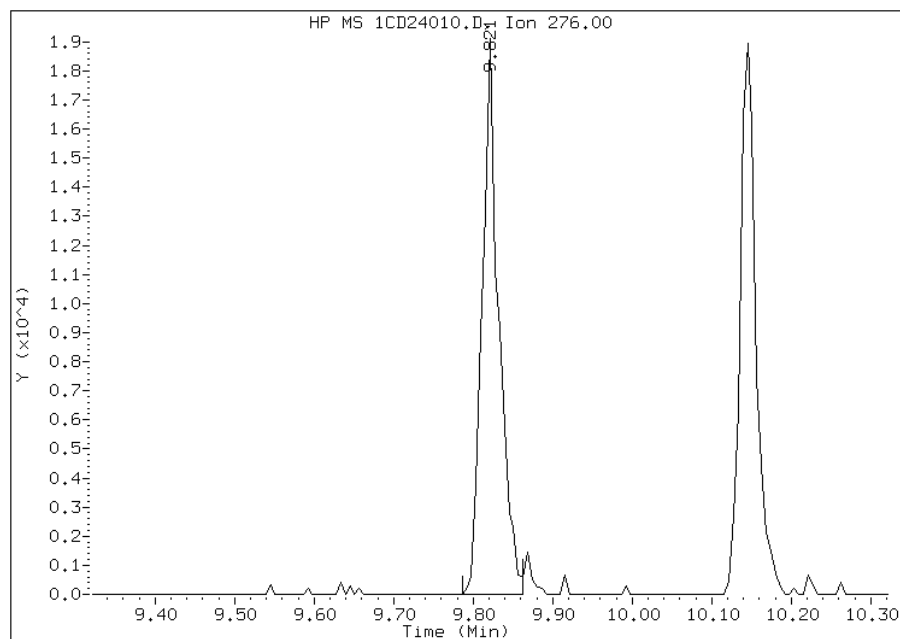


Manual Integration Report

Data File: 1CD24010.D
Inj. Date and Time: 24-APR-2013 14:52
Instrument ID: BSMC5973.i
Client ID:
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/24/2013

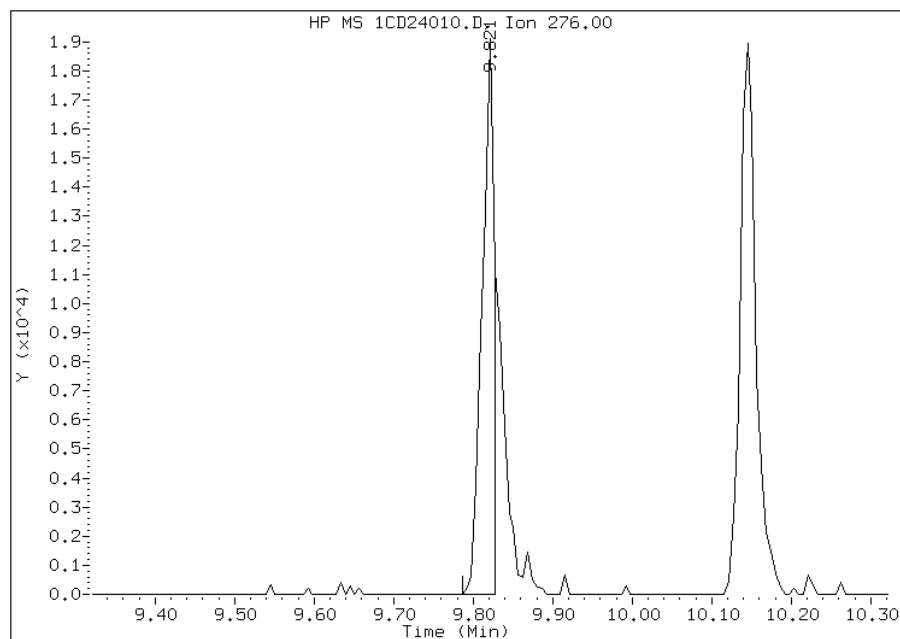
Processing Integration Results

RT: 9.82
Response: 27620
Amount: 6
Conc: 6



Manual Integration Results

RT: 9.82
Response: 20110
Amount: 4
Conc: 4



Manually Integrated By: cantins
Modification Date: 24-Apr-2013 16:20
Manual Integration Reason: Split Peak

TestAmerica Laboratories

Semivolatiles 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C042413.b\1CD24011.D
 Lab Smp Id: IC-1531400
 Inj Date : 24-APR-2013 15:11
 Operator : SCC
 Smp Info : IC-1531400
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C042413.b\a-bFASTPAHi-m.m
 Meth Date : 24-Apr-2013 16:22 BSMC5973.i Quant Type: ISTD
 Cal Date : 24-APR-2013 14:52 Cal File: 1CD24010.D
 Als bottle: 7 Calibration Sample, Level: 4
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

| Compounds | QUANT SIG | | AMOUNTS | | | | ON-COL |
|---------------------------|-----------|--------|---------|---------|----------|-----------------|-----------|
| | MASS | RT | EXP RT | REL RT | RESPONSE | CAL-AMT (ug/ml) | |
| * 1 Naphthalene-d8 | 136 | 3.633 | 3.633 | (1.000) | 136256 | 40.0000 | |
| * 6 Acenaphthene-d10 | 164 | 4.721 | 4.721 | (1.000) | 80647 | 40.0000 | |
| * 10 Phenanthrene-d10 | 188 | 5.662 | 5.662 | (1.000) | 151912 | 40.0000 | |
| \$ 14 o-Terphenyl | 230 | 5.909 | 5.909 | (1.044) | 22471 | 10.0000 | 10.0180 |
| * 18 Chrysene-d12 | 240 | 7.586 | 7.586 | (1.000) | 186755 | 40.0000 | |
| * 23 Perylene-d12 | 264 | 8.733 | 8.733 | (1.000) | 207585 | 40.0000 | |
| 2 Naphthalene | 128 | 3.645 | 3.645 | (1.003) | 36506 | 10.0000 | 9.7624 |
| 3 2-Methylnaphthalene | 142 | 4.074 | 4.074 | (1.121) | 22212 | 10.0000 | 9.8763 |
| 4 1-Methylnaphthalene | 142 | 4.133 | 4.133 | (1.138) | 22472 | 10.0000 | 9.4015 |
| 5 Acenaphthylene | 152 | 4.633 | 4.633 | (0.981) | 36679 | 10.0000 | 8.5014 |
| 7 Acenaphthene | 154 | 4.739 | 4.739 | (1.004) | 20558 | 10.0000 | 9.7927 |
| 9 Fluorene | 166 | 5.057 | 5.057 | (1.071) | 24378 | 10.0000 | 9.9720 |
| 11 Phenanthrene | 178 | 5.674 | 5.674 | (1.002) | 44728 | 10.0000 | 9.9757 |
| 12 Anthracene | 178 | 5.709 | 5.709 | (1.008) | 37381 | 10.0000 | 7.9702 |
| 13 Carbazole | 167 | 5.815 | 5.815 | (1.027) | 41744 | 10.0000 | 9.9847 |
| 15 Fluoranthene | 202 | 6.504 | 6.504 | (1.149) | 47287 | 10.0000 | 10.1026 |
| 16 Pyrene | 202 | 6.668 | 6.668 | (0.879) | 49927 | 10.0000 | 9.0520 |
| 17 Benzo(a)anthracene | 228 | 7.580 | 7.580 | (0.999) | 49156 | 10.0000 | 8.7479 |
| 19 Chrysene | 228 | 7.609 | 7.609 | (1.003) | 52901 | 10.0000 | 9.9197 |
| 20 Benzo(b)fluoranthene | 252 | 8.403 | 8.403 | (0.962) | 53250 | 10.0000 | 9.2751 |
| 21 Benzo(k)fluoranthene | 252 | 8.427 | 8.427 | (0.965) | 54841 | 10.0000 | 9.8172 |
| 22 Benzo(a)pyrene | 252 | 8.680 | 8.680 | (0.994) | 53716 | 10.0000 | 11.0182 |
| 24 Indeno(1,2,3-cd)pyrene | 276 | 9.821 | 9.821 | (1.125) | 53522 | 10.0000 | 9.8918(M) |
| 25 Dibenzo(a,h)anthracene | 278 | 9.839 | 9.839 | (1.127) | 49442 | 10.0000 | 9.2535 |
| 26 Benzo(g,h,i)perylene | 276 | 10.156 | 10.156 | (1.163) | 52142 | 10.0000 | 9.9479(M) |

QC Flag Legend

M - Compound response manually integrated.

Data File: 1CD24011.D

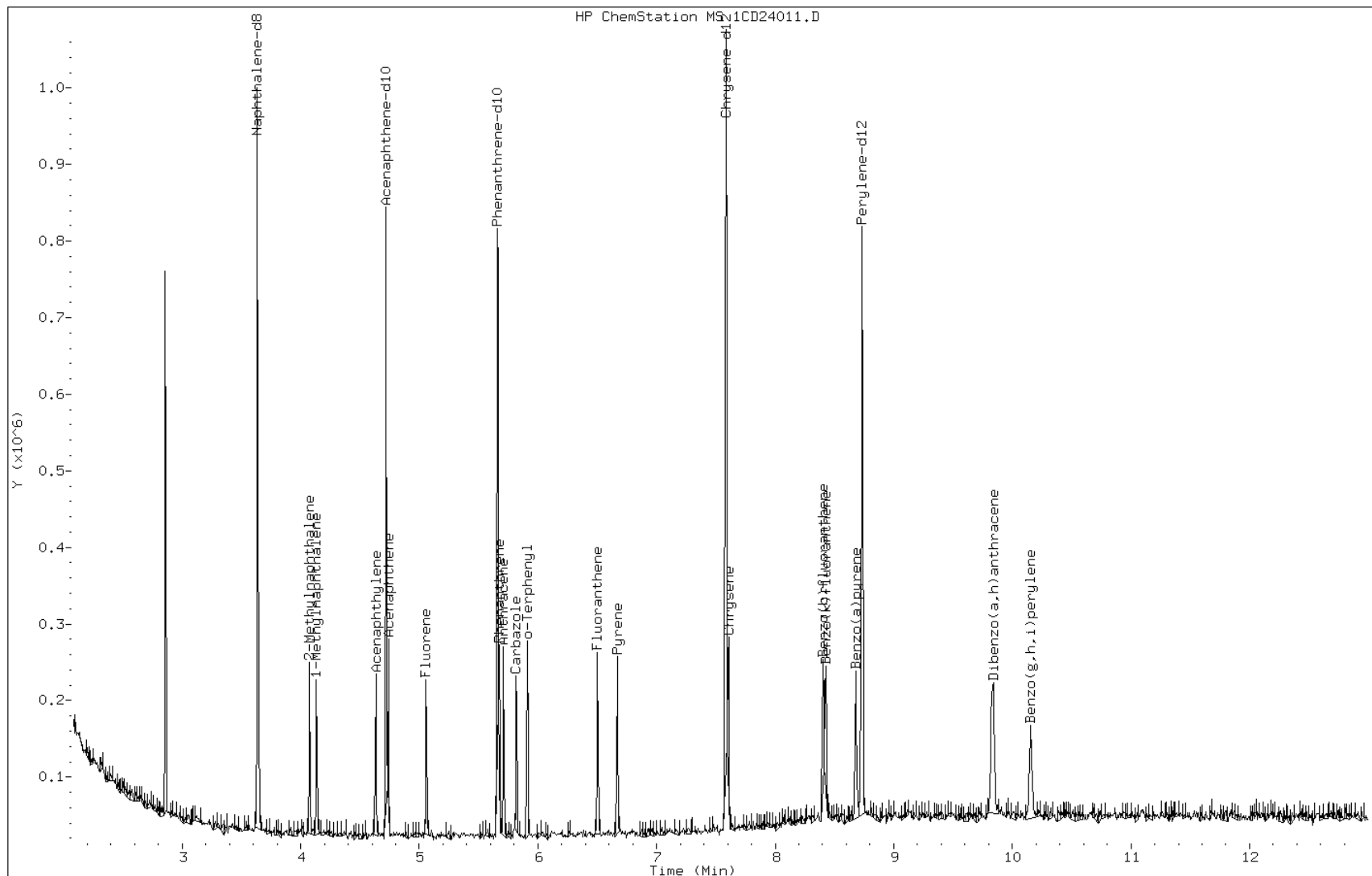
Date: 24-APR-2013 15:11

Client ID:

Instrument: BSMC5973.i

Sample Info: IC-1531400

Operator: SCC

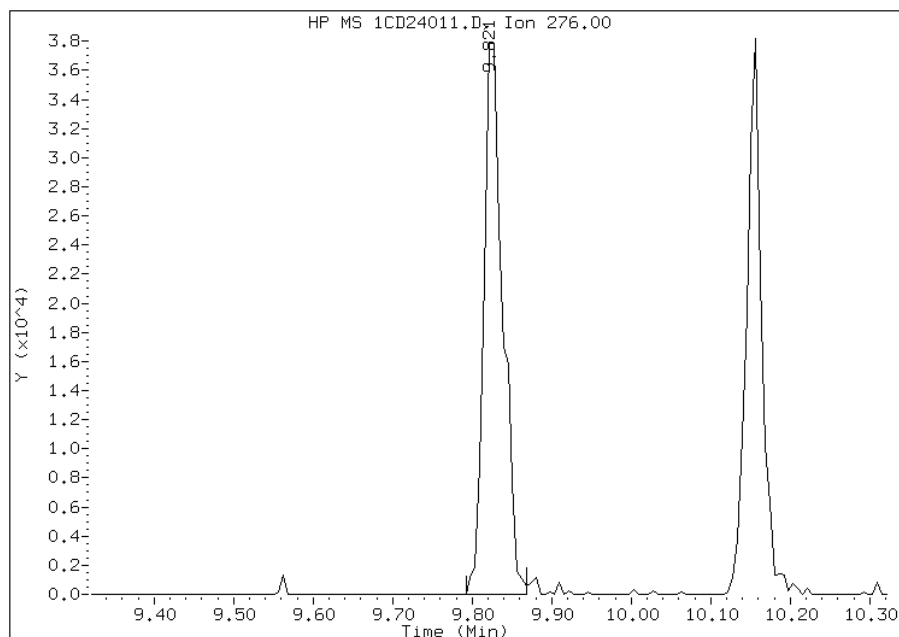


Manual Integration Report

Data File: 1CD24011.D
Inj. Date and Time: 24-APR-2013 15:11
Instrument ID: BSMC5973.i
Client ID:
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/24/2013

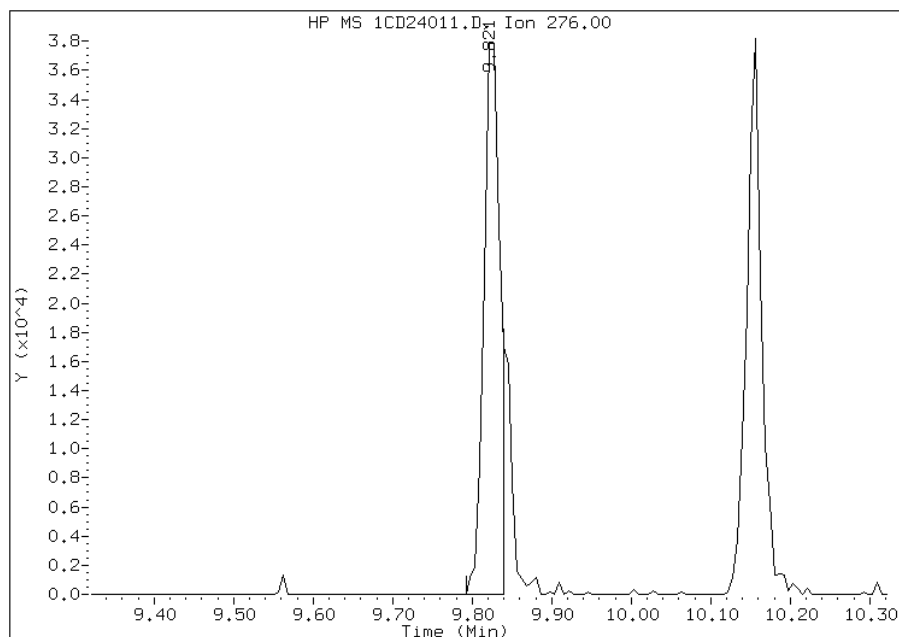
Processing Integration Results

RT: 9.82
Response: 62952
Amount: 10
Conc: 10



Manual Integration Results

RT: 9.82
Response: 53522
Amount: 10
Conc: 10



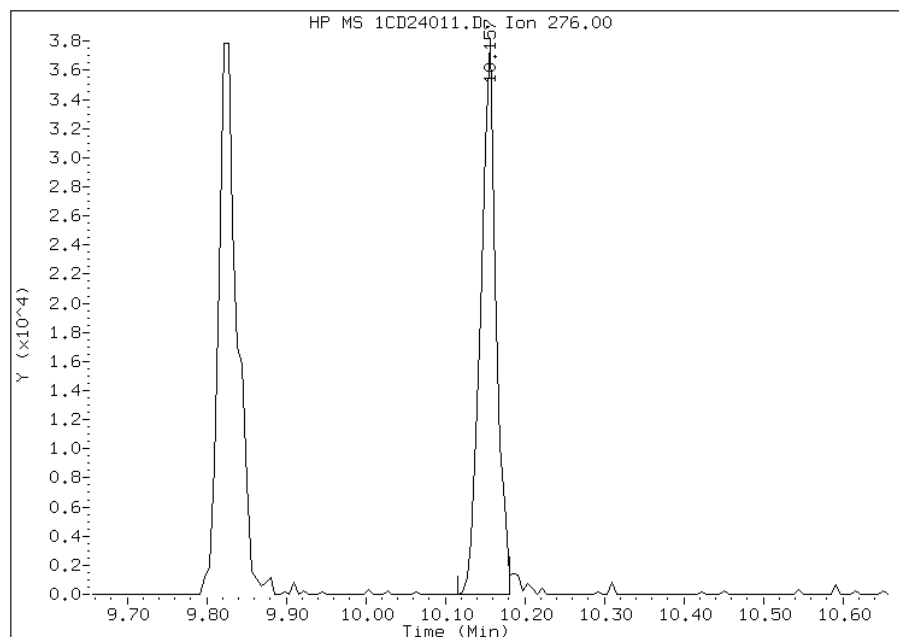
Manually Integrated By: cantins
Modification Date: 24-Apr-2013 16:21
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: 1CD24011.D
Inj. Date and Time: 24-APR-2013 15:11
Instrument ID: BSMC5973.i
Client ID:
Compound: 26 Benzo(g,h,i)perylene
CAS #: 191-24-2
Report Date: 04/24/2013

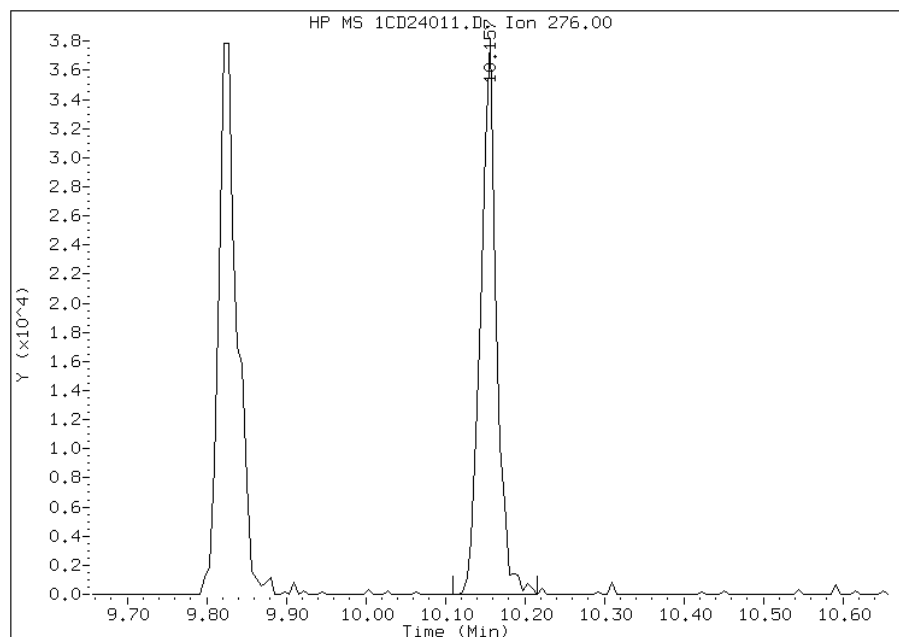
Processing Integration Results

RT: 10.16
Response: 50699
Amount: 11
Conc: 11



Manual Integration Results

RT: 10.16
Response: 52142
Amount: 10
Conc: 10



Manually Integrated By: cantins
Modification Date: 24-Apr-2013 16:20
Manual Integration Reason: Baseline Event

TestAmerica Laboratories

Semivolatiles 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C042413.b\1CD24012.D
 Lab Smp Id: IC-1531402
 Inj Date : 24-APR-2013 15:29
 Operator : SCC
 Smp Info : IC-1531402
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C042413.b\a-bFASTPAHi-m.m
 Meth Date : 24-Apr-2013 16:22 BSMC5973.i Quant Type: ISTD
 Cal Date : 24-APR-2013 15:11 Cal File: 1CD24011.D
 Als bottle: 8 Calibration Sample, Level: 6
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

| Compounds | QUANT SIG | | AMOUNTS | | | | ON-COL |
|---------------------------|-----------|--------|---------|---------|----------|-----------------|------------|
| | MASS | RT | EXP RT | REL RT | RESPONSE | CAL-AMT (ug/ml) | |
| * 1 Naphthalene-d8 | 136 | 3.633 | 3.633 | (1.000) | 129196 | 40.0000 | |
| * 6 Acenaphthene-d10 | 164 | 4.722 | 4.722 | (1.000) | 74931 | 40.0000 | |
| * 10 Phenanthrene-d10 | 188 | 5.663 | 5.663 | (1.000) | 141643 | 40.0000 | |
| \$ 14 o-Terphenyl | 230 | 5.910 | 5.910 | (1.044) | 58861 | 30.0000 | 27.4632 |
| * 18 Chrysene-d12 | 240 | 7.586 | 7.586 | (1.000) | 174270 | 40.0000 | |
| * 23 Perylene-d12 | 264 | 8.727 | 8.727 | (1.000) | 185685 | 40.0000 | |
| 2 Naphthalene | 128 | 3.645 | 3.645 | (1.003) | 103423 | 30.0000 | 29.1688 |
| 3 2-Methylnaphthalene | 142 | 4.075 | 4.075 | (1.121) | 63749 | 30.0000 | 30.9602 |
| 4 1-Methylnaphthalene | 142 | 4.133 | 4.133 | (1.138) | 60013 | 30.0000 | 26.4794 |
| 5 Acenaphthylene | 152 | 4.633 | 4.633 | (0.981) | 116035 | 30.0000 | 28.9463 |
| 7 Acenaphthene | 154 | 4.739 | 4.739 | (1.004) | 70759 | 30.0000 | 36.2770 |
| 9 Fluorene | 166 | 5.057 | 5.057 | (1.071) | 80821 | 30.0000 | 35.5826 |
| 11 Phenanthrene | 178 | 5.674 | 5.674 | (1.002) | 124603 | 30.0000 | 30.3046 |
| 12 Anthracene | 178 | 5.710 | 5.710 | (1.008) | 133306 | 30.0000 | 30.4837 |
| 13 Carbazole | 167 | 5.816 | 5.816 | (1.027) | 124856 | 30.0000 | 32.0294 |
| 15 Fluoranthene | 202 | 6.504 | 6.504 | (1.149) | 140868 | 30.0000 | 32.2775 |
| 16 Pyrene | 202 | 6.668 | 6.668 | (0.879) | 148768 | 30.0000 | 28.9049 |
| 17 Benzo(a)anthracene | 228 | 7.580 | 7.580 | (0.999) | 146829 | 30.0000 | 28.0019 |
| 19 Chrysene | 228 | 7.610 | 7.610 | (1.003) | 152301 | 30.0000 | 30.6047 |
| 20 Benzo(b)fluoranthene | 252 | 8.404 | 8.404 | (0.963) | 179789 | 30.0000 | 35.0092 |
| 21 Benzo(k)fluoranthene | 252 | 8.421 | 8.421 | (0.965) | 147881 | 30.0000 | 29.5949 |
| 22 Benzo(a)pyrene | 252 | 8.680 | 8.680 | (0.995) | 157348 | 30.0000 | 36.0817 |
| 24 Indeno(1,2,3-cd)pyrene | 276 | 9.821 | 9.821 | (1.125) | 158186 | 30.0000 | 31.2592(M) |
| 25 Dibenzo(a,h)anthracene | 278 | 9.839 | 9.839 | (1.127) | 150284 | 30.0000 | 30.8266 |
| 26 Benzo(g,h,i)perylene | 276 | 10.151 | 10.151 | (1.163) | 159984 | 30.0000 | 34.1227 |

QC Flag Legend

M - Compound response manually integrated.

Data File: 1CD24012.D

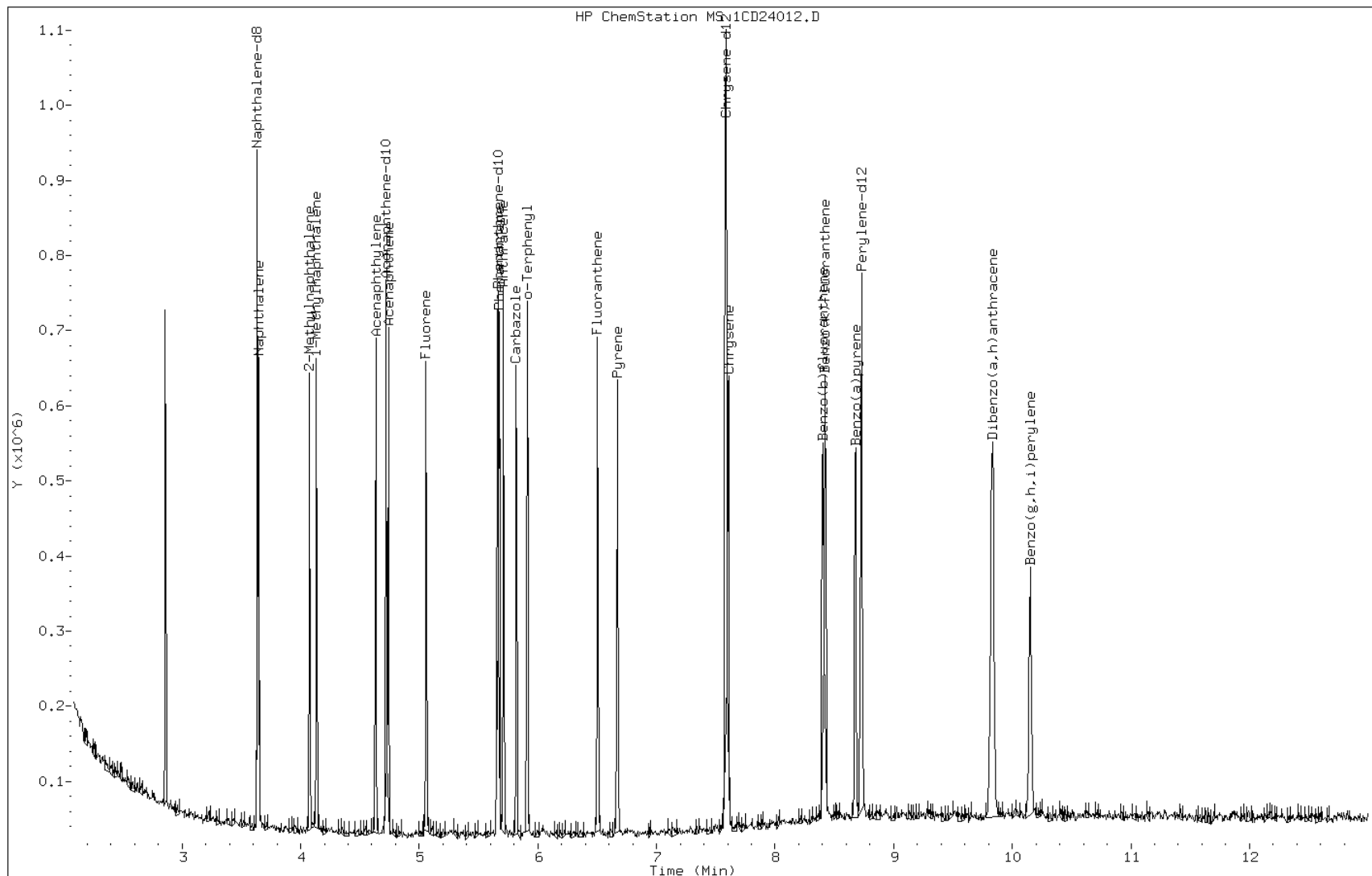
Date: 24-APR-2013 15:29

Client ID:

Instrument: BSMC5973.i

Sample Info: IC-1531402

Operator: SCC

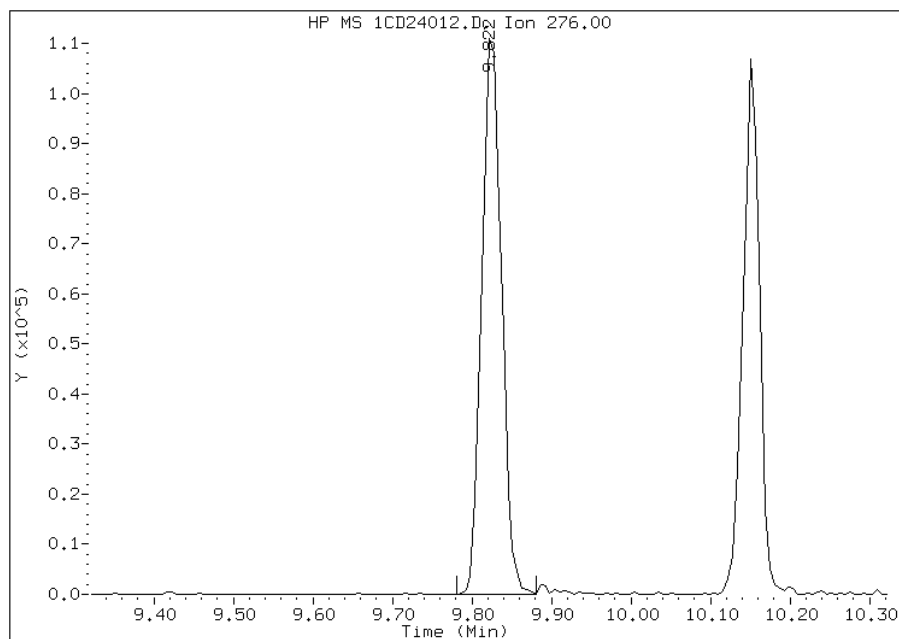


Manual Integration Report

Data File: 1CD24012.D
Inj. Date and Time: 24-APR-2013 15:29
Instrument ID: BSMC5973.i
Client ID:
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/24/2013

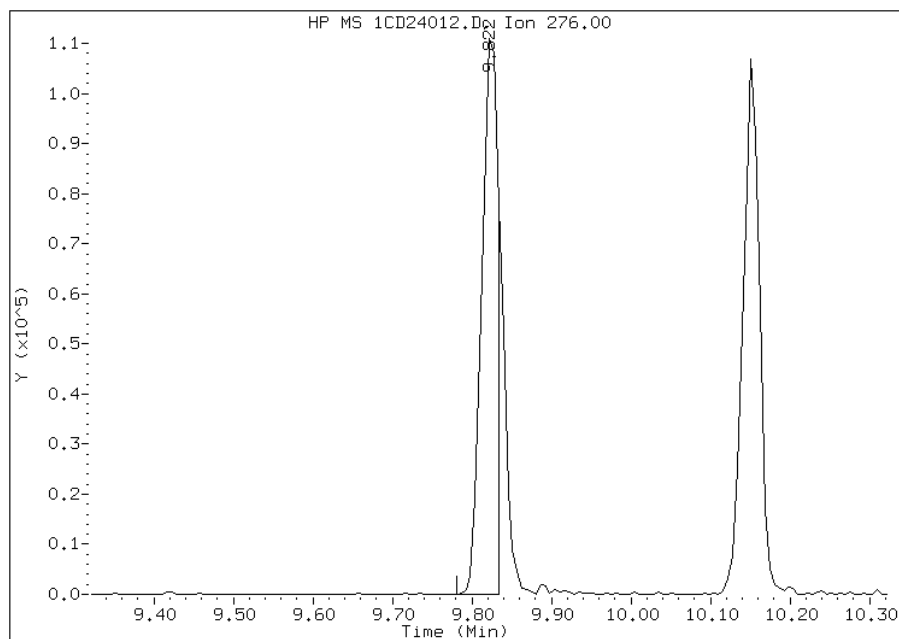
Processing Integration Results

RT: 9.82
Response: 189780
Amount: 36
Conc: 36



Manual Integration Results

RT: 9.82
Response: 158186
Amount: 31
Conc: 31



Manually Integrated By: cantins
Modification Date: 24-Apr-2013 16:21
Manual Integration Reason: Split Peak

TestAmerica Laboratories

Semivolatiles 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C042413.b\1CD24013.D
 Lab Smp Id: IC-1531403
 Inj Date : 24-APR-2013 15:47
 Operator : SCC
 Smp Info : IC-1531403
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C042413.b\a-bFASTPAHi-m.m
 Meth Date : 24-Apr-2013 16:22 BSMC5973.i Quant Type: ISTD
 Cal Date : 24-APR-2013 15:29 Cal File: 1CD24012.D
 Als bottle: 9 Calibration Sample, Level: 7
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

| Compounds | QUANT | SIG | MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS | |
|---------------------------|-------|-----|------|--------|--------|---------|----------|---------|------------|
| | | | | | | | | CAL-AMT | ON-COL |
| | | | | | | | | (ug/ml) | (ug/ml) |
| * 1 Naphthalene-d8 | 136 | | | 3.633 | 3.633 | (1.000) | 154092 | 40.0000 | |
| * 6 Acenaphthene-d10 | 164 | | | 4.721 | 4.721 | (1.000) | 91835 | 40.0000 | |
| * 10 Phenanthrene-d10 | 188 | | | 5.663 | 5.663 | (1.000) | 166249 | 40.0000 | |
| \$ 14 o-Terphenyl | 230 | | | 5.910 | 5.910 | (1.044) | 129301 | 50.0000 | 51.0720(A) |
| * 18 Chrysene-d12 | 240 | | | 7.592 | 7.592 | (1.000) | 195103 | 40.0000 | |
| * 23 Perylene-d12 | 264 | | | 8.733 | 8.733 | (1.000) | 233898 | 40.0000 | |
| 2 Naphthalene | 128 | | | 3.645 | 3.645 | (1.003) | 191564 | 50.0000 | 45.2985 |
| 3 2-Methylnaphthalene | 142 | | | 4.074 | 4.074 | (1.121) | 117199 | 50.0000 | 48.0073 |
| 4 1-Methylnaphthalene | 142 | | | 4.133 | 4.133 | (1.138) | 110635 | 50.0000 | 40.9284 |
| 5 Acenaphthylene | 152 | | | 4.633 | 4.633 | (0.981) | 202374 | 50.0000 | 41.1919 |
| 7 Acenaphthene | 154 | | | 4.739 | 4.739 | (1.004) | 128735 | 50.0000 | 53.8518(A) |
| 9 Fluorene | 166 | | | 5.057 | 5.057 | (1.071) | 153739 | 50.0000 | 55.2269(A) |
| 11 Phenanthrene | 178 | | | 5.674 | 5.674 | (1.002) | 236464 | 50.0000 | 49.9376 |
| 12 Anthracene | 178 | | | 5.710 | 5.710 | (1.008) | 244157 | 50.0000 | 47.5689 |
| 13 Carbazole | 167 | | | 5.821 | 5.821 | (1.028) | 234016 | 50.0000 | 51.1471(A) |
| 15 Fluoranthene | 202 | | | 6.504 | 6.504 | (1.149) | 273177 | 50.0000 | 53.3296(A) |
| 16 Pyrene | 202 | | | 6.674 | 6.674 | (0.879) | 302673 | 50.0000 | 52.5285(A) |
| 17 Benzo(a)anthracene | 228 | | | 7.580 | 7.580 | (0.998) | 305445 | 50.0000 | 52.0317(A) |
| 19 Chrysene | 228 | | | 7.610 | 7.610 | (1.002) | 296655 | 50.0000 | 53.2472(A) |
| 20 Benzo(b)fluoranthene | 252 | | | 8.409 | 8.409 | (0.963) | 310324 | 50.0000 | 47.9716 |
| 21 Benzo(k)fluoranthene | 252 | | | 8.427 | 8.427 | (0.965) | 360897 | 50.0000 | 57.3375(A) |
| 22 Benzo(a)pyrene | 252 | | | 8.686 | 8.686 | (0.995) | 313949 | 50.0000 | 57.1526(A) |
| 24 Indeno(1,2,3-cd)pyrene | 276 | | | 9.833 | 9.833 | (1.126) | 318480 | 50.0000 | 49.5924(M) |
| 25 Dibenzo(a,h)anthracene | 278 | | | 9.851 | 9.851 | (1.128) | 304881 | 50.0000 | 49.4898 |
| 26 Benzo(g,h,i)perylene | 276 | | | 10.162 | 10.162 | (1.164) | 306375 | 50.0000 | 51.8765(A) |

QC Flag Legend

- A - Target compound detected but, quantitated amount exceeded maximum amount.
- M - Compound response manually integrated.

Data File: 1CD24013.D

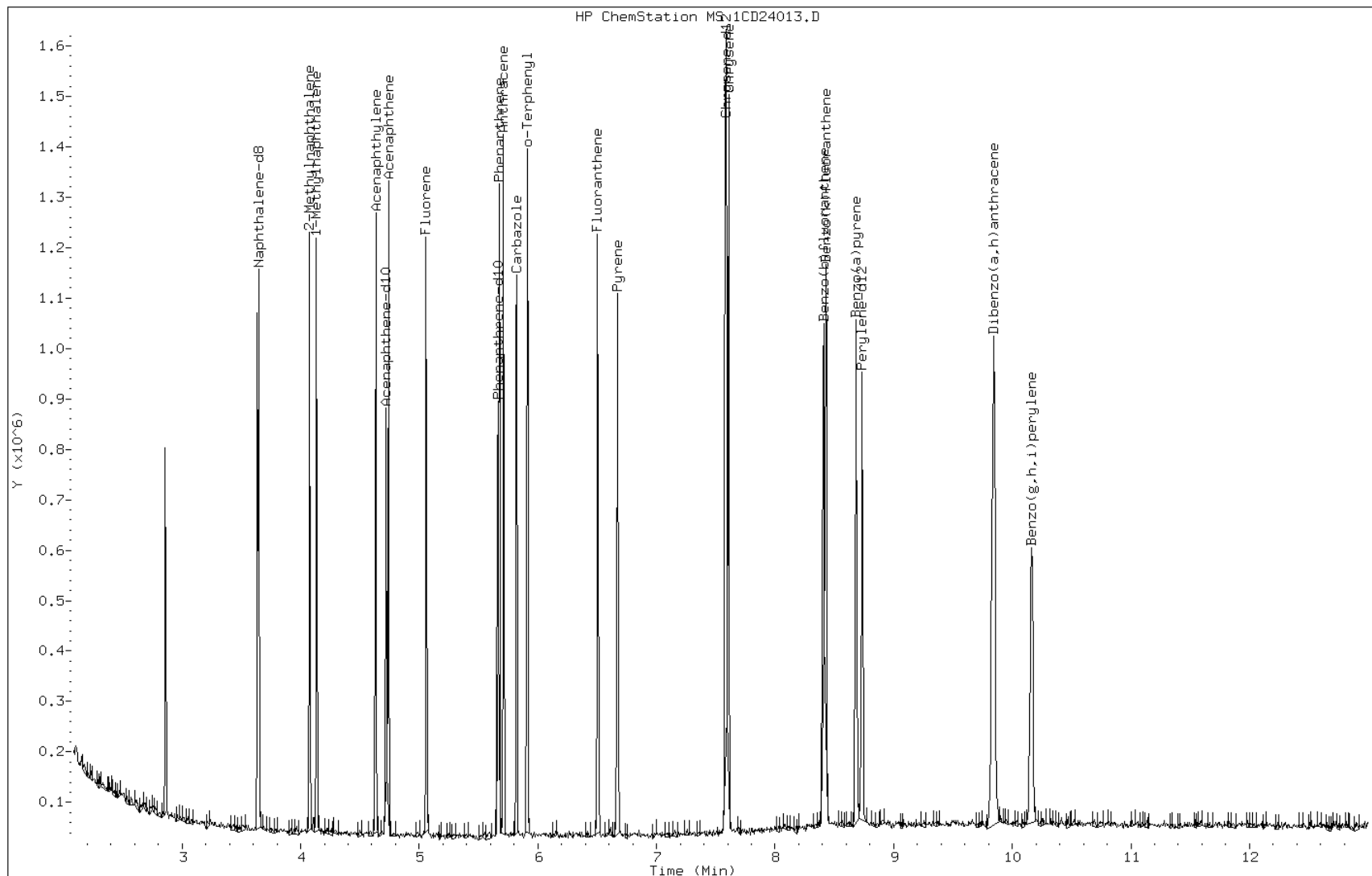
Date: 24-APR-2013 15:47

Client ID:

Instrument: BSMC5973.i

Sample Info: IC-1531403

Operator: SCC

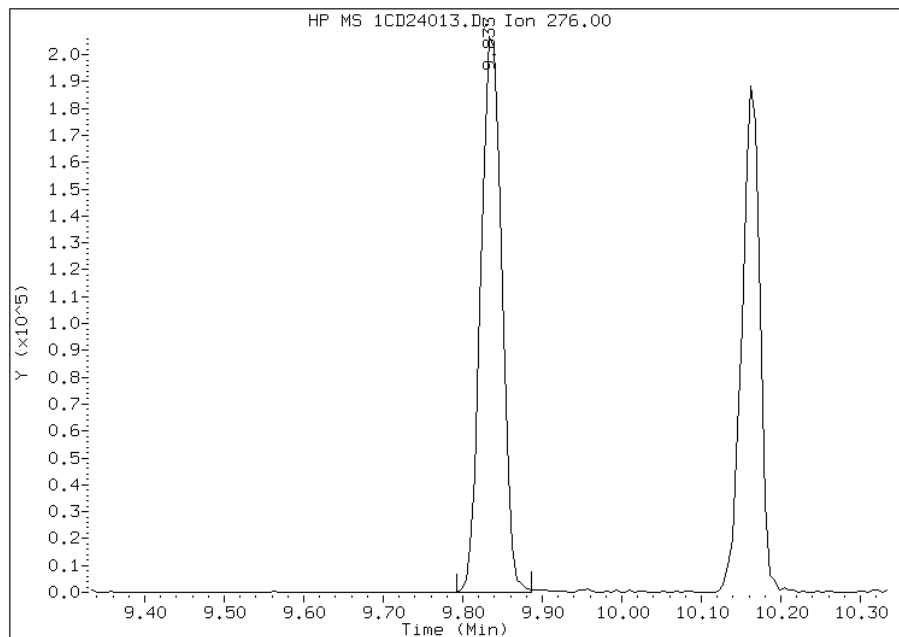


Manual Integration Report

Data File: 1CD24013.D
Inj. Date and Time: 24-APR-2013 15:47
Instrument ID: BSMC5973.i
Client ID:
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/24/2013

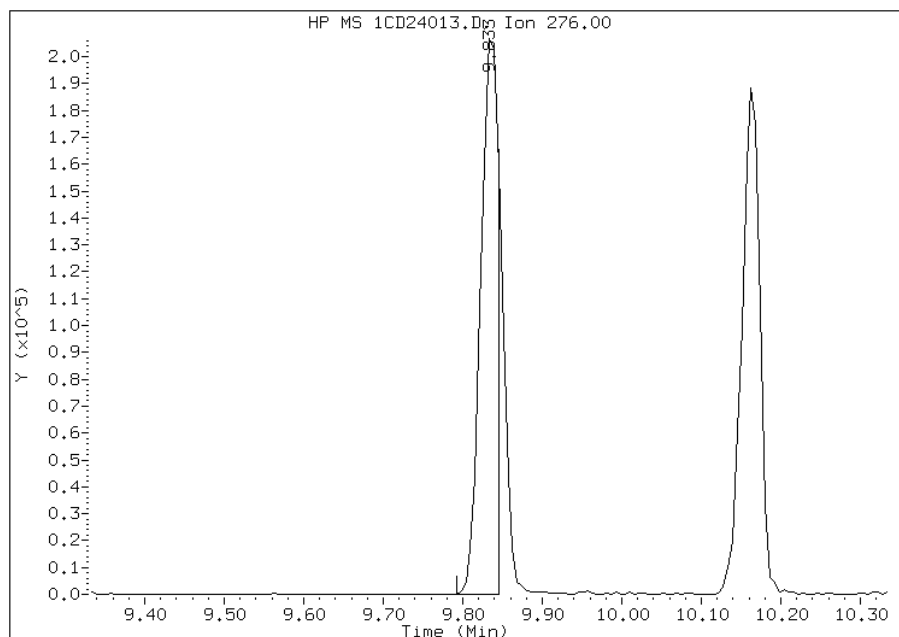
Processing Integration Results

RT: 9.83
Response: 377776
Amount: 50
Conc: 50



Manual Integration Results

RT: 9.83
Response: 318480
Amount: 50
Conc: 50



Manually Integrated By: cantins
Modification Date: 24-Apr-2013 16:22
Manual Integration Reason: Split Peak

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Tampa Job No.: 680-89516-1 Analy Batch No.: 136164

SDG No.: 68089516-1

Instrument ID: BSMD5973 GC Column: DB-5MS ID: 250(um) Heated Purge: (Y/N) N

Calibration Start Date: 04/04/2013 13:49 Calibration End Date: 04/04/2013 16:04 Calibration ID: 2874

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---------|--------------------|--------------|
| Level 1 | IC 660-136164/15 | 1DD04007.D |
| Level 2 | IC 660-136164/16 | 1DD04008.D |
| Level 3 | IC 660-136164/17 | 1DD04009.D |
| Level 4 | IC 660-136164/18 | 1DD04010.D |
| Level 5 | ICIS 660-136164/19 | 1DD04011.D |
| Level 6 | IC 660-136164/20 | 1DD04012.D |
| Level 7 | IC 660-136164/21 | 1DD04013.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 | | | | | | | | |
| | LVL 6 | LVL 7 | | | | | | | | | | | | | | | |
| Naphthalene | 0.9331 1.0230 | 0.9606 1.0509 | 1.0286 | 0.9649 | 0.9984 | Ave | 0.9942 | | | 0.0000 | 4.3 | | 15.0 | | | | |
| 2-Methylnaphthalene | 0.5806 0.6693 | 0.6114 0.6984 | 0.6517 | 0.6297 | 0.6515 | Ave | 0.6418 | | | 0.0000 | 6.0 | | 15.0 | | | | |
| 1-Methylnaphthalene | 0.5558 0.6314 | 0.5782 0.6544 | 0.6189 | 0.5919 | 0.6119 | Ave | 0.6061 | | | 0.0000 | 5.5 | | 15.0 | | | | |
| Acenaphthylene | 1.4312 1.8297 | 1.5518 1.8878 | 1.7317 | 1.6795 | 1.7392 | Ave | 1.6930 | | | 0.0000 | 9.3 | | 15.0 | | | | |
| Acenaphthene | 1.0016 1.0873 | 0.9902 1.1219 | 1.0649 | 1.0164 | 1.0329 | Ave | 1.0450 | | | 0.0000 | 4.6 | | 15.0 | | | | |
| Fluorene | 1.1332 1.3072 | 1.1795 1.3301 | 1.2333 | 1.2265 | 1.2526 | Ave | 1.2375 | | | 0.0000 | 5.5 | | 15.0 | | | | |
| Phenanthrene | 1.0628 1.1227 | 1.0409 1.1914 | 1.1226 | 1.0753 | 1.0969 | Ave | 1.1018 | | | 0.0000 | 4.5 | | 15.0 | | | | |
| Anthracene | 0.9667 1.1508 | 1.0104 1.2102 | 1.1116 | 1.0846 | 1.1206 | Ave | 1.0936 | | | 0.0000 | 7.6 | | 15.0 | | | | |
| Carbazole | 0.8539 0.9974 | 0.9170 1.0575 | 0.9788 | 0.9568 | 0.9906 | Ave | 0.9646 | | | 0.0000 | 6.7 | | 15.0 | | | | |
| Fluoranthene | 1.0349 1.1765 | 1.0636 1.2407 | 1.1552 | 1.1188 | 1.1468 | Ave | 1.1338 | | | 0.0000 | 6.1 | | 15.0 | | | | |
| Pyrene | 1.1042 1.2400 | 1.1445 1.2796 | 1.2302 | 1.1952 | 1.2147 | Ave | 1.2012 | | | 0.0000 | 5.0 | | 15.0 | | | | |
| Benzo[a]anthracene | 1.5223 1.0884 | 1.1349 1.0935 | 1.1146 | 1.0605 | 1.0812 | Ave | 1.1565 | | | 0.0000 | 14.1 | | 15.0 | | | | |
| Chrysene | 1.1462 1.0803 | 1.0503 1.1335 | 1.0831 | 1.0383 | 1.0590 | Ave | 1.0844 | | | 0.0000 | 3.8 | | 15.0 | | | | |
| Benzo[b]fluoranthene | 0.9638 1.0305 | 0.9264 1.0697 | 1.0233 | 0.9705 | 1.0102 | Ave | 0.9992 | | | 0.0000 | 4.8 | | 15.0 | | | | |

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Tampa Job No.: 680-89516-1 Analy Batch No.: 136164

SDG No.: 68089516-1

Instrument ID: BSMD5973 GC Column: DB-5MS ID: 250 (um) Heated Purge: (Y/N) N

Calibration Start Date: 04/04/2013 13:49 Calibration End Date: 04/04/2013 16:04 Calibration ID: 2874

| 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 | | | | | | | | |
| | LVL 6 | LVL 7 | | | | | | | | | | | | | | | |
| Benzo[k]fluoranthene | 0.9941 1.0870 | 1.0278 1.1123 | 1.0413 | 1.0574 | 1.0488 | Ave | | 1.0527 | | | 0.0000 | 3.7 | | 15.0 | | | |
| Benzo[a]pyrene | 0.9363 1.0554 | 0.9330 1.0817 | 1.0086 | 0.9978 | 1.0150 | Ave | | 1.0040 | | | 0.0000 | 5.5 | | 15.0 | | | |
| Indeno[1,2,3-cd]pyrene | 0.9719 1.1444 | 1.0047 1.2203 | 1.0673 | 1.0253 | 1.0598 | Ave | | 1.0705 | | | 0.0000 | 8.0 | | 15.0 | | | |
| Dibenz(a,h)anthracene | 1.0008 1.0474 | 0.9200 1.0891 | 1.0022 | 0.9846 | 1.0127 | Ave | | 1.0081 | | | 0.0000 | 5.2 | | 15.0 | | | |
| Benzo[g,h,i]perylene | 0.9959 1.0588 | 1.0032 1.0675 | 1.0494 | 1.0184 | 1.0221 | Ave | | 1.0308 | | | 0.0000 | 2.7 | | 15.0 | | | |
| o-Terphenyl | 0.5239 0.6240 | 0.5611 0.6847 | 0.6139 | 0.5898 | 0.6214 | Ave | | 0.6027 | | | 0.0000 | 8.5 | | 15.0 | | | |

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Tampa Job No.: 680-89516-1 Analy Batch No.: 136164

SDG No.: 68089516-1

Instrument ID: BSMD5973 GC Column: DB-5MS ID: 250 (um) Heated Purge: (Y/N) N

Calibration Start Date: 04/04/2013 13:49 Calibration End Date: 04/04/2013 16:04 Calibration ID: 2874

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---------|--------------------|--------------|
| Level 1 | IC 660-136164/15 | 1DD04007.D |
| Level 2 | IC 660-136164/16 | 1DD04008.D |
| Level 3 | IC 660-136164/17 | 1DD04009.D |
| Level 4 | IC 660-136164/18 | 1DD04010.D |
| Level 5 | ICIS 660-136164/19 | 1DD04011.D |
| Level 6 | IC 660-136164/20 | 1DD04012.D |
| Level 7 | IC 660-136164/21 | 1DD04013.D |

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/ML) | | | | |
|----------------------|--------|------------|------------------|------------------|--------|--------|---------|-----------------------|----------------|-------|-------|-------|
| | | | 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 |
| Naphthalene | NPT | Ave | 11503 1777021 | 59216 3211548 | 316194 | 614716 | 1235557 | 0.200 30.0 | 1.00 50.0 | 5.00 | 10.0 | 20.0 |
| 2-Methylnaphthalene | NPT | Ave | 7158 1162560 | 37688 2134320 | 200332 | 401151 | 806286 | 0.200 30.0 | 1.00 50.0 | 5.00 | 10.0 | 20.0 |
| 1-Methylnaphthalene | NPT | Ave | 6852 1096847 | 35645 1999874 | 190230 | 377068 | 757317 | 0.200 30.0 | 1.00 50.0 | 5.00 | 10.0 | 20.0 |
| Acenaphthylene | ANT | Ave | 10298 1852399 | 56340 3396591 | 314191 | 620756 | 1275622 | 0.200 30.0 | 1.00 50.0 | 5.00 | 10.0 | 20.0 |
| Acenaphthene | ANT | Ave | 7207 1100779 | 35951 2018481 | 193205 | 375673 | 757590 | 0.200 30.0 | 1.00 50.0 | 5.00 | 10.0 | 20.0 |
| Fluorene | ANT | Ave | 8154 1323451 | 42826 2393163 | 223769 | 453336 | 918747 | 0.200 30.0 | 1.00 50.0 | 5.00 | 10.0 | 20.0 |
| Phenanthrene | PHN | Ave | 12866 1932978 | 63070 3534794 | 338739 | 657435 | 1331875 | 0.200 30.0 | 1.00 50.0 | 5.00 | 10.0 | 20.0 |
| Anthracene | PHN | Ave | 11703 1981347 | 61222 3590722 | 335430 | 663091 | 1360668 | 0.200 30.0 | 1.00 50.0 | 5.00 | 10.0 | 20.0 |
| Carbazole | PHN | Ave | 10338 1717245 | 55563 3137679 | 295345 | 584967 | 1202897 | 0.200 30.0 | 1.00 50.0 | 5.00 | 10.0 | 20.0 |
| Fluoranthene | PHN | Ave | 12529 2025512 | 64445 3681257 | 348578 | 684049 | 1392506 | 0.200 30.0 | 1.00 50.0 | 5.00 | 10.0 | 20.0 |
| Pyrene | CRY | Ave | 13274 2181708 | 69252 3965627 | 374480 | 738839 | 1496990 | 0.200 30.0 | 1.00 50.0 | 5.00 | 10.0 | 20.0 |
| Benzo[a]anthracene | CRY | Ave | 18301 1914899 | 68675 3388838 | 339292 | 655565 | 1332372 | 0.200 30.0 | 1.00 50.0 | 5.00 | 10.0 | 20.0 |
| Chrysene | CRY | Ave | 13779 1900592 | 63553 3512644 | 329706 | 641842 | 1305118 | 0.200 30.0 | 1.00 50.0 | 5.00 | 10.0 | 20.0 |
| Benzo[b]fluoranthene | PRY | Ave | 12005 1811151 | 57946 3290902 | 323060 | 612455 | 1270704 | 0.200 30.0 | 1.00 50.0 | 5.00 | 10.0 | 20.0 |
| Benzo[k]fluoranthene | PRY | Ave | 12382 1910468 | 64288 3421834 | 328752 | 667284 | 1319239 | 0.200 30.0 | 1.00 50.0 | 5.00 | 10.0 | 20.0 |

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Tampa Job No.: 680-89516-1 Analy Batch No.: 136164

SDG No.: 68089516-1

Instrument ID: BSMD5973 GC Column: DB-5MS ID: 250 (um) Heated Purge: (Y/N) N

Calibration Start Date: 04/04/2013 13:49 Calibration End Date: 04/04/2013 16:04 Calibration ID: 2874

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/ML) | | | | |
|------------------------|--------|------------|------------------|------------------|--------|--------|---------|-----------------------|--------------|-------|-------|-------|
| | | | LVL 1 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| | | | LVL 6 | LVL 7 | | | | LVL 6 | LVL 7 | | | |
| Benzo[a]pyrene | PRY | Ave | 11662 1854979 | 58354 3327888 | 318431 | 629684 | 1276688 | 0.200 30.0 | 1.00 50.0 | 5.00 | 10.0 | 20.0 |
| Indeno[1,2,3-cd]pyrene | PRY | Ave | 12106 2011375 | 62840 3754268 | 336963 | 647015 | 1333044 | 0.200 30.0 | 1.00 50.0 | 5.00 | 10.0 | 20.0 |
| Dibenz(a,h)anthracene | PRY | Ave | 12466 1840819 | 57541 3350541 | 316396 | 621340 | 1273836 | 0.200 30.0 | 1.00 50.0 | 5.00 | 10.0 | 20.0 |
| Benzo[g,h,i]perylene | PRY | Ave | 12405 1860821 | 62750 3284166 | 331324 | 642692 | 1285637 | 0.200 30.0 | 1.00 50.0 | 5.00 | 10.0 | 20.0 |
| o-Terphenyl | PHN | Ave | 6343 1074388 | 33997 2031596 | 185249 | 360585 | 754512 | 0.200 30.0 | 1.00 50.0 | 5.00 | 10.0 | 20.0 |

Curve Type Legend:

Ave = Average ISTD

TestAmerica Laboratories

Semivolatile 8270 low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMSD.i\1D040413.b\1DD04007.D
 Lab Smp Id: IC-1531396
 Inj Date : 04-APR-2013 13:49
 Operator : SCC Inst ID: BSMSD.i
 Smp Info : IC-1531396
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMSD.i\1D040413.b\dfASTPAHi.m
 Meth Date : 05-Apr-2013 12:31 BSMSD.i Quant Type: ISTD
 Cal Date : 04-APR-2013 16:04 Cal File: 1DD04013.D
 Als bottle: 5 Calibration Sample, Level: 1
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

| Compounds | QUANT | SIG | MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS | |
|---------------------------|-------|-----|------|--------|--------|---------|----------|--------------------|-------------------|
| | | | | | | | | CAL-AMT (ug/l) | ON-COL (ug/l) |
| * 1 Naphthalene-d8 | 136 | | | 6.091 | 6.091 | (1.000) | 2465524 | 40.0000 | |
| * 6 Acenaphthene-d10 | 164 | | | 7.766 | 7.766 | (1.000) | 1439075 | 40.0000 | |
| * 9 Phenanthrene-d10 | 188 | | | 9.023 | 9.023 | (1.000) | 2421253 | 40.0000 | |
| \$ 13 o-Terphenyl | 230 | | | 9.329 | 9.329 | (1.034) | 6343 | 0.20000 | 0.17 |
| * 17 Chrysene-d12 | 240 | | | 11.338 | 11.338 | (1.000) | 2404329 | 40.0000 | |
| * 22 Perylene-d12 | 264 | | | 13.165 | 13.165 | (1.000) | 2491199 | 40.0000 | |
| 2 Naphthalene | 128 | | | 6.109 | 6.109 | (1.003) | 11503 | 0.20000 | 0.19 |
| 3 2-Methylnaphthalene | 142 | | | 6.814 | 6.814 | (1.119) | 7158 | 0.20000 | 0.18 |
| 4 1-Methylnaphthalene | 142 | | | 6.908 | 6.908 | (1.134) | 6852 | 0.20000 | 0.18 |
| 5 Acenaphthylene | 152 | | | 7.637 | 7.637 | (0.983) | 10298 | 0.20000 | 0.17 |
| 7 Acenaphthene | 154 | | | 7.789 | 7.789 | (1.003) | 7207 | 0.20000 | 0.19 |
| 8 Fluorene | 166 | | | 8.236 | 8.236 | (1.061) | 8154 | 0.20000 | 0.18 |
| 10 Phenanthrene | 178 | | | 9.041 | 9.041 | (1.002) | 12866 | 0.20000 | 0.19 |
| 11 Anthracene | 178 | | | 9.082 | 9.082 | (1.007) | 11703 | 0.20000 | 0.18 |
| 12 Carbazole | 167 | | | 9.223 | 9.223 | (1.022) | 10338 | 0.20000 | 0.18 |
| 14 Fluoranthene | 202 | | | 10.022 | 10.022 | (1.111) | 12529 | 0.20000 | 0.18 |
| 15 Pyrene | 202 | | | 10.210 | 10.210 | (0.901) | 13274 | 0.20000 | 0.18 |
| 16 Benzo(a)anthracene | 228 | | | 11.321 | 11.321 | (0.998) | 18301 | 0.20000 | 0.28 |
| 18 Chrysene | 228 | | | 11.356 | 11.356 | (1.002) | 13779 | 0.20000 | 0.21 |
| 19 Benzo(b)fluoranthene | 252 | | | 12.613 | 12.613 | (0.958) | 12005 | 0.20000 | 0.19 |
| 20 Benzo(k)fluoranthene | 252 | | | 12.648 | 12.648 | (0.961) | 12382 | 0.20000 | 0.19 |
| 21 Benzo(a)pyrene | 252 | | | 13.060 | 13.060 | (0.992) | 11662 | 0.20000 | 0.19 |
| 23 Indeno(1,2,3-cd)pyrene | 276 | | | 14.734 | 14.734 | (1.119) | 12106 | 0.20000 | 0.18(M) |
| 24 Dibenzo(a,h)anthracene | 278 | | | 14.758 | 14.758 | (1.121) | 12466 | 0.20000 | 0.20(M) |
| 25 Benzo(g,h,i)perylene | 276 | | | 15.175 | 15.175 | (1.153) | 12405 | 0.20000 | 0.19 |

QC Flag Legend

M - Compound response manually integrated.

Data File: 1DD04007.D

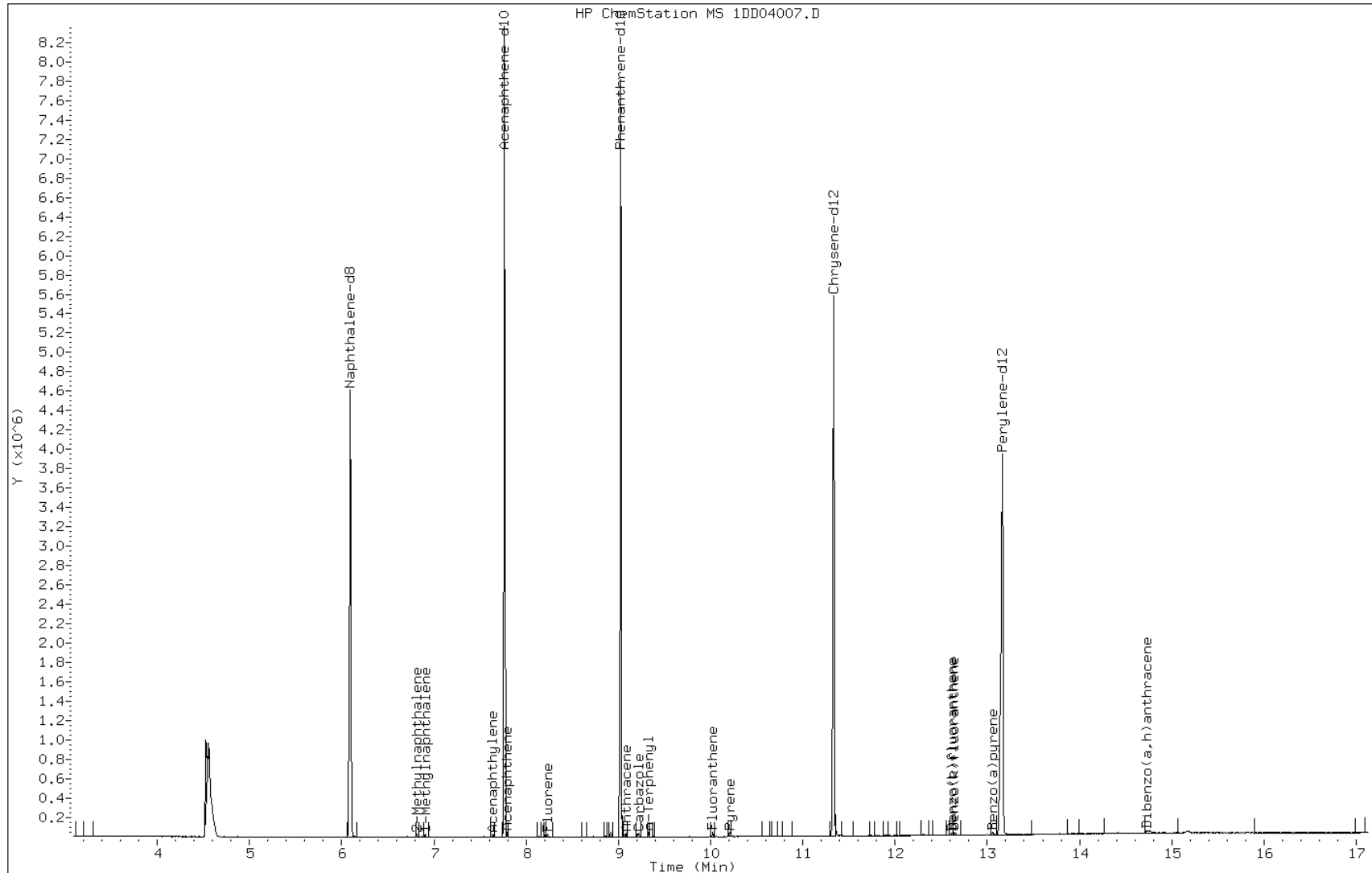
Date: 04-APR-2013 13:49

Client ID:

Instrument: BSMSD.i

Sample Info: IC-1531396

Operator: SCC

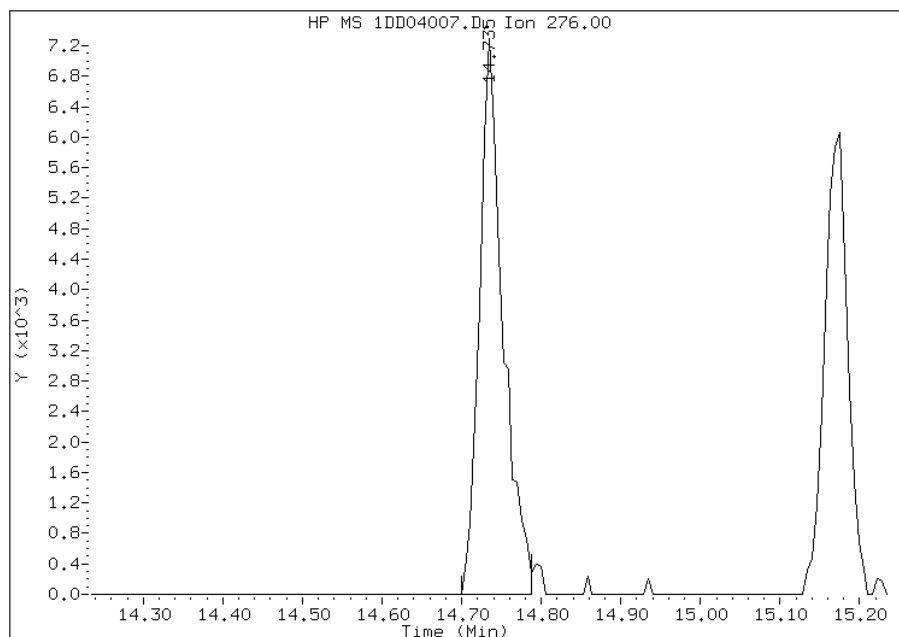


Manual Integration Report

Data File: 1DD04007.D
Inj. Date and Time: 04-APR-2013 13:49
Instrument ID: BSMDS.i
Client ID:
Compound: 23 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/05/2013

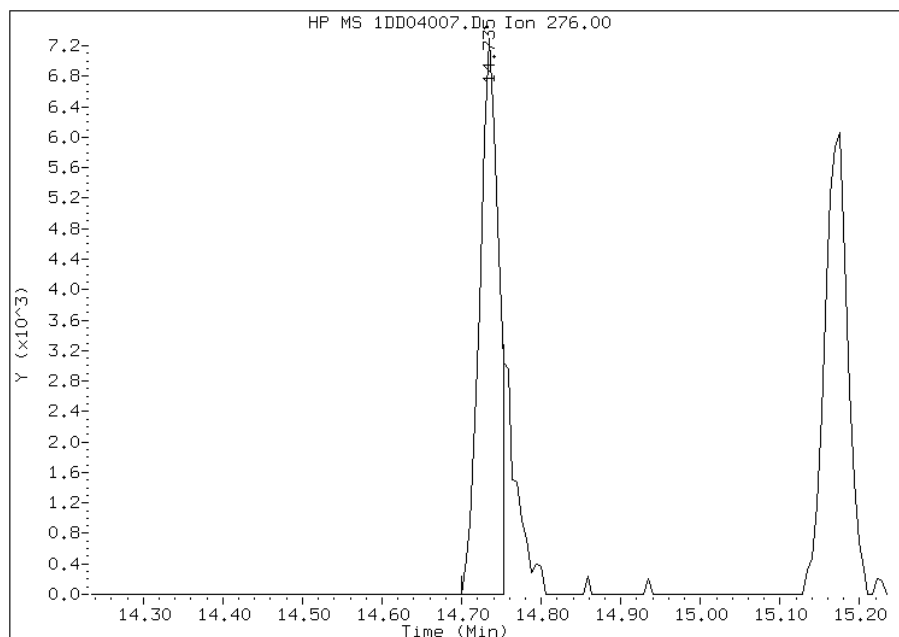
Processing Integration Results

RT: 14.73
Response: 14910
Amount: 0
Conc: 0



Manual Integration Results

RT: 14.73
Response: 12106
Amount: 0
Conc: 0



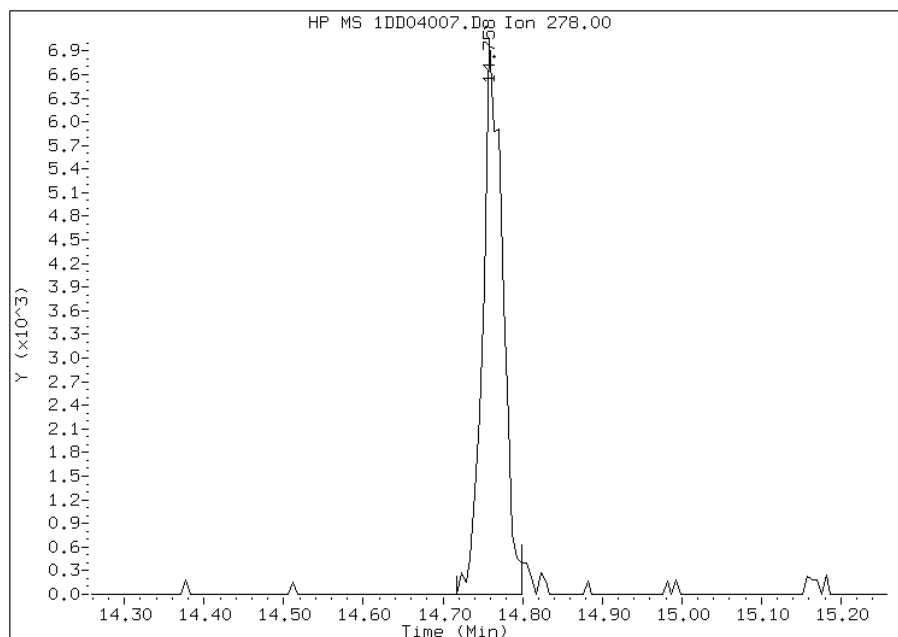
Manually Integrated By: cantins
Modification Date: 05-Apr-2013 12:28
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: 1DD04007.D
Inj. Date and Time: 04-APR-2013 13:49
Instrument ID: BSMSD.i
Client ID:
Compound: 24 Dibenzo(a,h)anthracene
CAS #: 53-70-3
Report Date: 04/05/2013

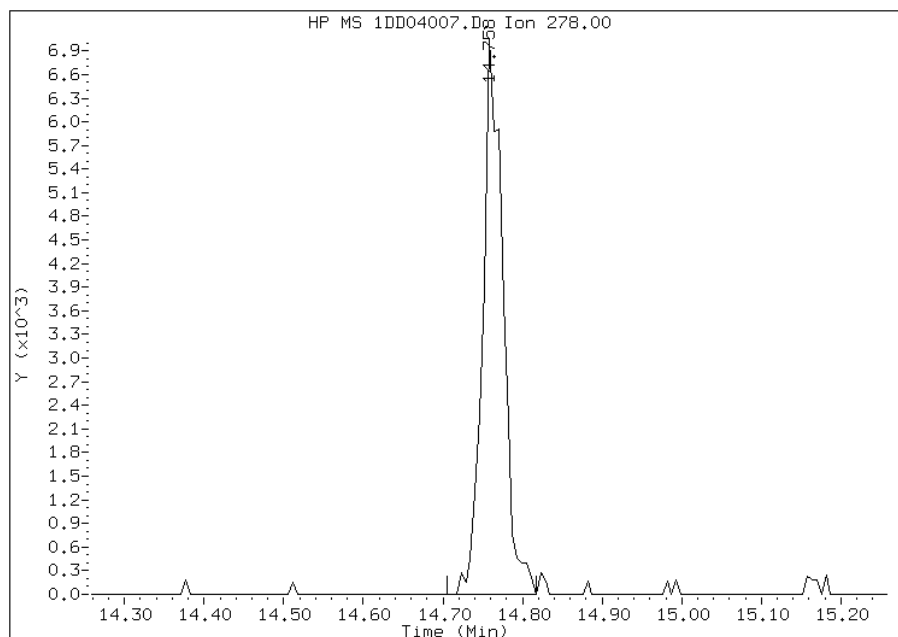
Processing Integration Results

RT: 14.76
Response: 12250
Amount: 0
Conc: 0



Manual Integration Results

RT: 14.76
Response: 12466
Amount: 0
Conc: 0



Manually Integrated By: cantins
Modification Date: 05-Apr-2013 12:28
Manual Integration Reason: Baseline Event

TestAmerica Laboratories

Semivolatile 8270 low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMSD.i\1D040413.b\1DD04008.D
 Lab Smp Id: IC-1531398
 Inj Date : 04-APR-2013 14:11
 Operator : SCC Inst ID: BSMSD.i
 Smp Info : IC-1531398
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMSD.i\1D040413.b\dFASTPAHi.m
 Meth Date : 05-Apr-2013 12:31 BSMSD.i Quant Type: ISTD
 Cal Date : 04-APR-2013 13:49 Cal File: 1DD04007.D
 Als bottle: 6 Calibration Sample, Level: 2
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

| Compounds | QUANT SIG | | AMOUNTS | | | | |
|---------------------------|-----------|--------|---------|---------|----------|--------------------|-------------------|
| | MASS | RT | EXP RT | REL RT | RESPONSE | CAL-AMT (ug/l) | ON-COL (ug/l) |
| * 1 Naphthalene-d8 | 136 | 6.089 | 6.089 | (1.000) | 2465772 | 40.0000 | |
| * 6 Acenaphthene-d10 | 164 | 7.769 | 7.769 | (1.000) | 1452284 | 40.0000 | |
| * 9 Phenanthrene-d10 | 188 | 9.027 | 9.027 | (1.000) | 2423707 | 40.0000 | |
| \$ 13 o-Terphenyl | 230 | 9.332 | 9.332 | (1.034) | 33997 | 1.00000 | 0.93 |
| * 17 Chrysene-d12 | 240 | 11.336 | 11.336 | (1.000) | 2420423 | 40.0000 | |
| * 22 Perylene-d12 | 264 | 13.163 | 13.163 | (1.000) | 2501899 | 40.0000 | |
| 2 Naphthalene | 128 | 6.112 | 6.112 | (1.004) | 59216 | 1.00000 | 0.97 |
| 3 2-Methylnaphthalene | 142 | 6.817 | 6.817 | (1.120) | 37688 | 1.00000 | 0.95 |
| 4 1-Methylnaphthalene | 142 | 6.911 | 6.911 | (1.135) | 35645 | 1.00000 | 0.95 |
| 5 Acenaphthylene | 152 | 7.640 | 7.640 | (0.983) | 56340 | 1.00000 | 0.92 |
| 7 Acenaphthene | 154 | 7.793 | 7.793 | (1.003) | 35951 | 1.00000 | 0.95 |
| 8 Fluorene | 166 | 8.233 | 8.233 | (1.060) | 42826 | 1.00000 | 0.95 |
| 10 Phenanthrene | 178 | 9.038 | 9.038 | (1.001) | 63070 | 1.00000 | 0.94 |
| 11 Anthracene | 178 | 9.080 | 9.080 | (1.006) | 61222 | 1.00000 | 0.92 |
| 12 Carbazole | 167 | 9.221 | 9.221 | (1.021) | 55563 | 1.00000 | 0.95 |
| 14 Fluoranthene | 202 | 10.020 | 10.020 | (1.110) | 64445 | 1.00000 | 0.94 |
| 15 Pyrene | 202 | 10.208 | 10.208 | (0.900) | 69252 | 1.00000 | 0.95 |
| 16 Benzo(a)anthracene | 228 | 11.318 | 11.318 | (0.998) | 68675 | 1.00000 | 1.0 |
| 18 Chrysene | 228 | 11.359 | 11.359 | (1.002) | 63553 | 1.00000 | 0.97 |
| 19 Benzo(b)fluoranthene | 252 | 12.611 | 12.611 | (0.958) | 57946 | 1.00000 | 0.93 |
| 20 Benzo(k)fluoranthene | 252 | 12.646 | 12.646 | (0.961) | 64288 | 1.00000 | 0.98 |
| 21 Benzo(a)pyrene | 252 | 13.057 | 13.057 | (0.992) | 58354 | 1.00000 | 0.93 |
| 23 Indeno(1,2,3-cd)pyrene | 276 | 14.732 | 14.732 | (1.119) | 62840 | 1.00000 | 0.94(M) |
| 24 Dibenzo(a,h)anthracene | 278 | 14.761 | 14.761 | (1.121) | 57541 | 1.00000 | 0.91(M) |
| 25 Benzo(g,h,i)perylene | 276 | 15.167 | 15.167 | (1.152) | 62750 | 1.00000 | 0.97 |

QC Flag Legend

M - Compound response manually integrated.

Data File: 1DD04008.D

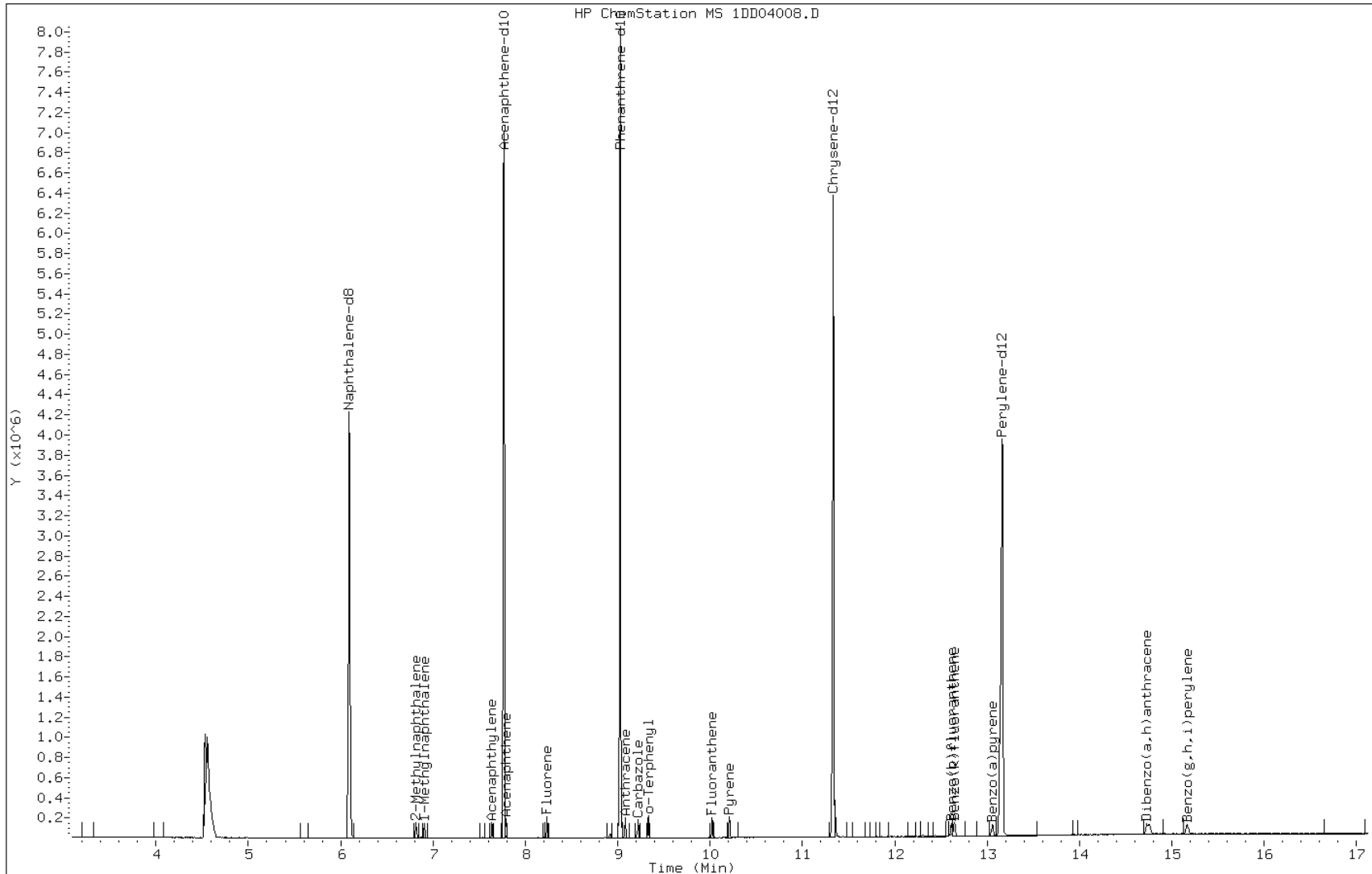
Date: 04-APR-2013 14:11

Client ID:

Instrument: BSMSD.i

Sample Info: IC-1531398

Operator: SCC

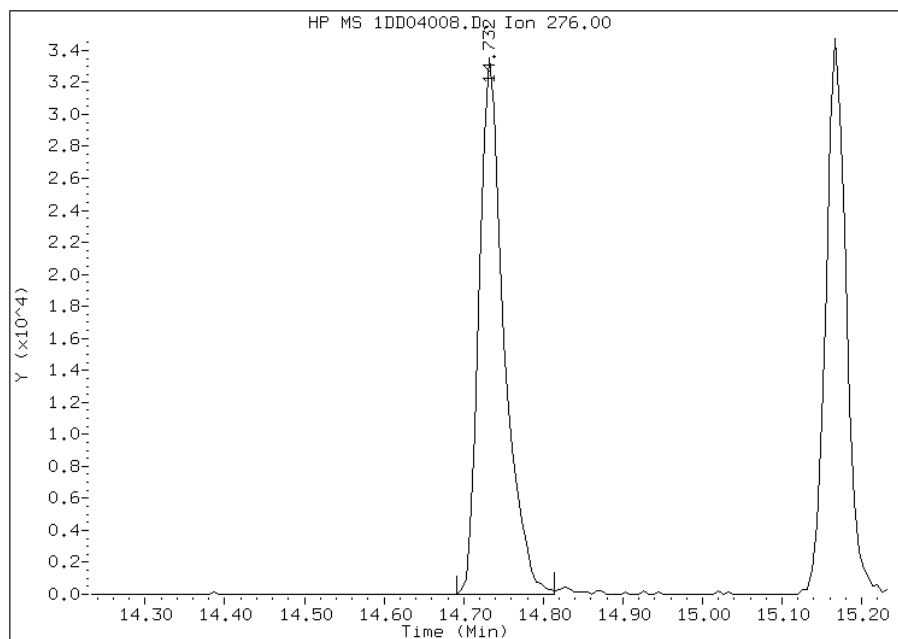


Manual Integration Report

Data File: 1DD04008.D
Inj. Date and Time: 04-APR-2013 14:11
Instrument ID: BSMSD.i
Client ID:
Compound: 23 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/05/2013

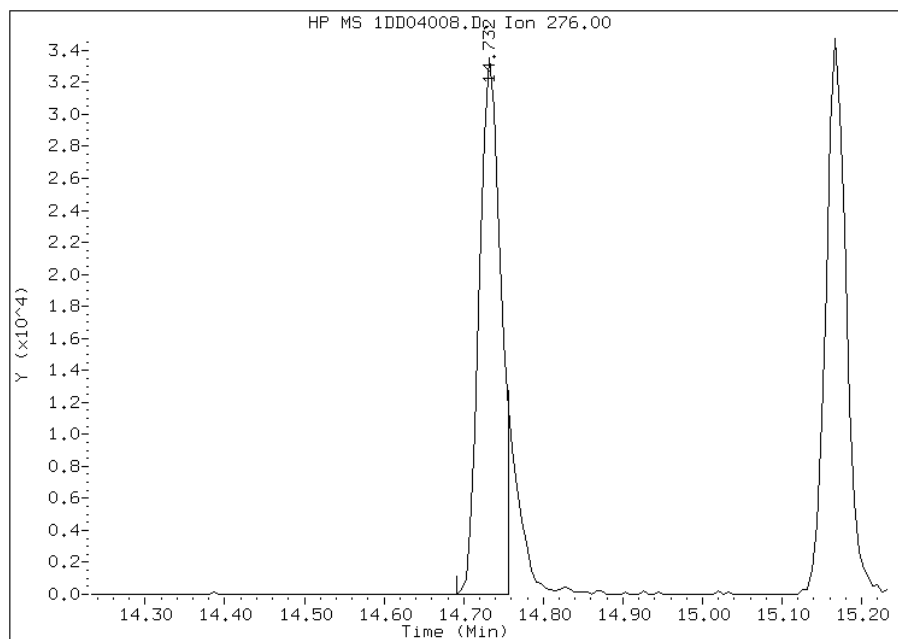
Processing Integration Results

RT: 14.73
Response: 72512
Amount: 1
Conc: 1



Manual Integration Results

RT: 14.73
Response: 62840
Amount: 1
Conc: 1



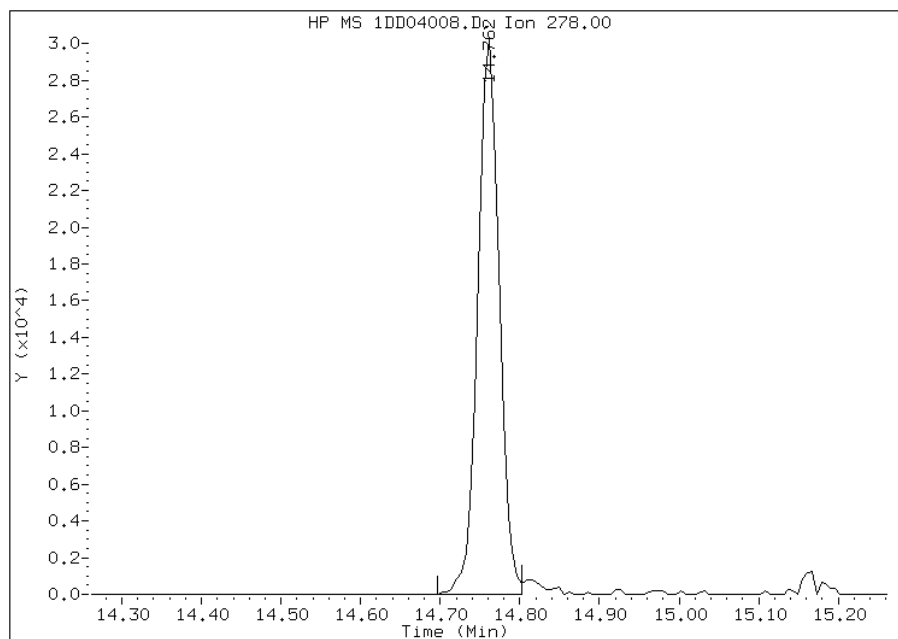
Manually Integrated By: cantins
Modification Date: 05-Apr-2013 12:29
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: 1DD04008.D
Inj. Date and Time: 04-APR-2013 14:11
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Client ID:
Compound: 24 Dibenzo(a,h)anthracene
CAS #: 53-70-3
Report Date: 04/05/2013

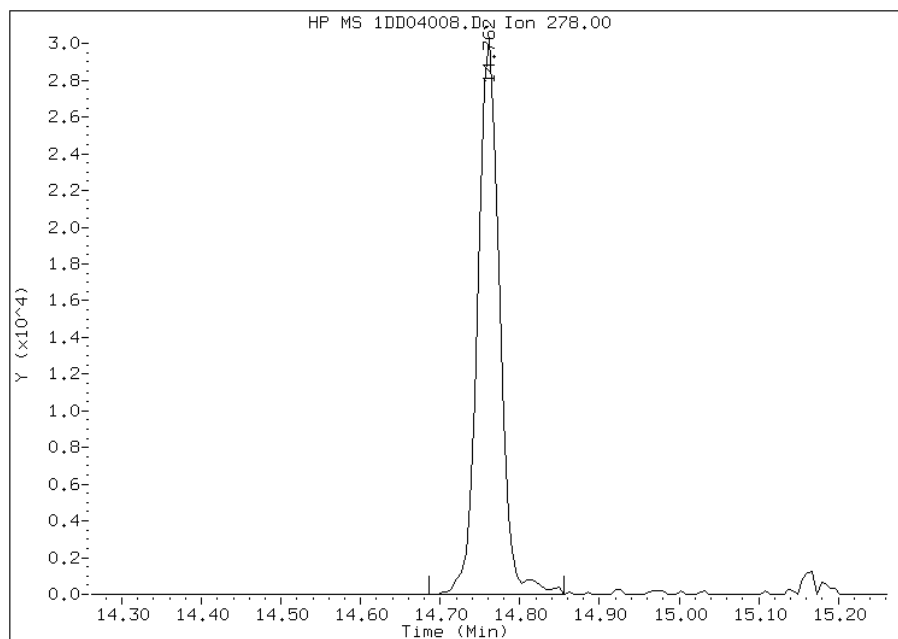
Processing Integration Results

RT: 14.76
Response: 56125
Amount: 1
Conc: 1



Manual Integration Results

RT: 14.76
Response: 57541
Amount: 1
Conc: 1



Manually Integrated By: cantins
Modification Date: 05-Apr-2013 12:28
Manual Integration Reason: Baseline Event

TestAmerica Laboratories

Semivolatile 8270 low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMSD.i\1D040413.b\1DD04009.D
 Lab Smp Id: IC-1531399
 Inj Date : 04-APR-2013 14:34
 Operator : SCC Inst ID: BSMSD.i
 Smp Info : IC-1531399
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMSD.i\1D040413.b\dFASTPAHi.m
 Meth Date : 05-Apr-2013 12:31 BSMSD.i Quant Type: ISTD
 Cal Date : 04-APR-2013 14:11 Cal File: 1DD04008.D
 Als bottle: 7 Calibration Sample, Level: 3
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

| Compounds | QUANT SIG | | AMOUNTS | | | | |
|---------------------------|-----------|--------|---------|---------|----------|--------------------|-------------------|
| | MASS | RT | EXP RT | REL RT | RESPONSE | CAL-AMT (ug/l) | ON-COL (ug/l) |
| * 1 Naphthalene-d8 | 136 | 6.093 | 6.093 | (1.000) | 2459101 | 40.0000 | |
| * 6 Acenaphthene-d10 | 164 | 7.768 | 7.768 | (1.000) | 1451469 | 40.0000 | |
| * 9 Phenanthrene-d10 | 188 | 9.025 | 9.025 | (1.000) | 2413975 | 40.0000 | |
| \$ 13 o-Terphenyl | 230 | 9.331 | 9.331 | (1.034) | 185249 | 5.00000 | 5.1 |
| * 17 Chrysene-d12 | 240 | 11.340 | 11.340 | (1.000) | 2435324 | 40.0000 | |
| * 22 Perylene-d12 | 264 | 13.167 | 13.167 | (1.000) | 2525708 | 40.0000 | |
| 2 Naphthalene | 128 | 6.111 | 6.111 | (1.003) | 316194 | 5.00000 | 5.2 |
| 3 2-Methylnaphthalene | 142 | 6.816 | 6.816 | (1.119) | 200332 | 5.00000 | 5.1 |
| 4 1-Methylnaphthalene | 142 | 6.910 | 6.910 | (1.134) | 190230 | 5.00000 | 5.1 |
| 5 Acenaphthylene | 152 | 7.639 | 7.639 | (0.983) | 314191 | 5.00000 | 5.1 |
| 7 Acenaphthene | 154 | 7.791 | 7.791 | (1.003) | 193205 | 5.00000 | 5.1 |
| 8 Fluorene | 166 | 8.232 | 8.232 | (1.060) | 223769 | 5.00000 | 5.0 |
| 10 Phenanthrene | 178 | 9.043 | 9.043 | (1.002) | 338739 | 5.00000 | 5.1 |
| 11 Anthracene | 178 | 9.084 | 9.084 | (1.007) | 335430 | 5.00000 | 5.1 |
| 12 Carbazole | 167 | 9.219 | 9.219 | (1.021) | 295345 | 5.00000 | 5.1 |
| 14 Fluoranthene | 202 | 10.024 | 10.024 | (1.111) | 348578 | 5.00000 | 5.1 |
| 15 Pyrene | 202 | 10.212 | 10.212 | (0.901) | 374480 | 5.00000 | 5.1 |
| 16 Benzo(a)anthracene | 228 | 11.323 | 11.323 | (0.998) | 339292 | 5.00000 | 5.1 |
| 18 Chrysene | 228 | 11.358 | 11.358 | (1.002) | 329706 | 5.00000 | 5.0 |
| 19 Benzo(b)fluoranthene | 252 | 12.615 | 12.615 | (0.958) | 323060 | 5.00000 | 5.1 |
| 20 Benzo(k)fluoranthene | 252 | 12.650 | 12.650 | (0.961) | 328752 | 5.00000 | 4.9 |
| 21 Benzo(a)pyrene | 252 | 13.062 | 13.062 | (0.992) | 318431 | 5.00000 | 5.0 |
| 23 Indeno(1,2,3-cd)pyrene | 276 | 14.742 | 14.742 | (1.120) | 336963 | 5.00000 | 5.0(M) |
| 24 Dibenzo(a,h)anthracene | 278 | 14.766 | 14.766 | (1.121) | 316396 | 5.00000 | 5.0 |
| 25 Benzo(g,h,i)perylene | 276 | 15.177 | 15.177 | (1.153) | 331324 | 5.00000 | 5.1 |

QC Flag Legend

M - Compound response manually integrated.

Data File: 1DD04009.D

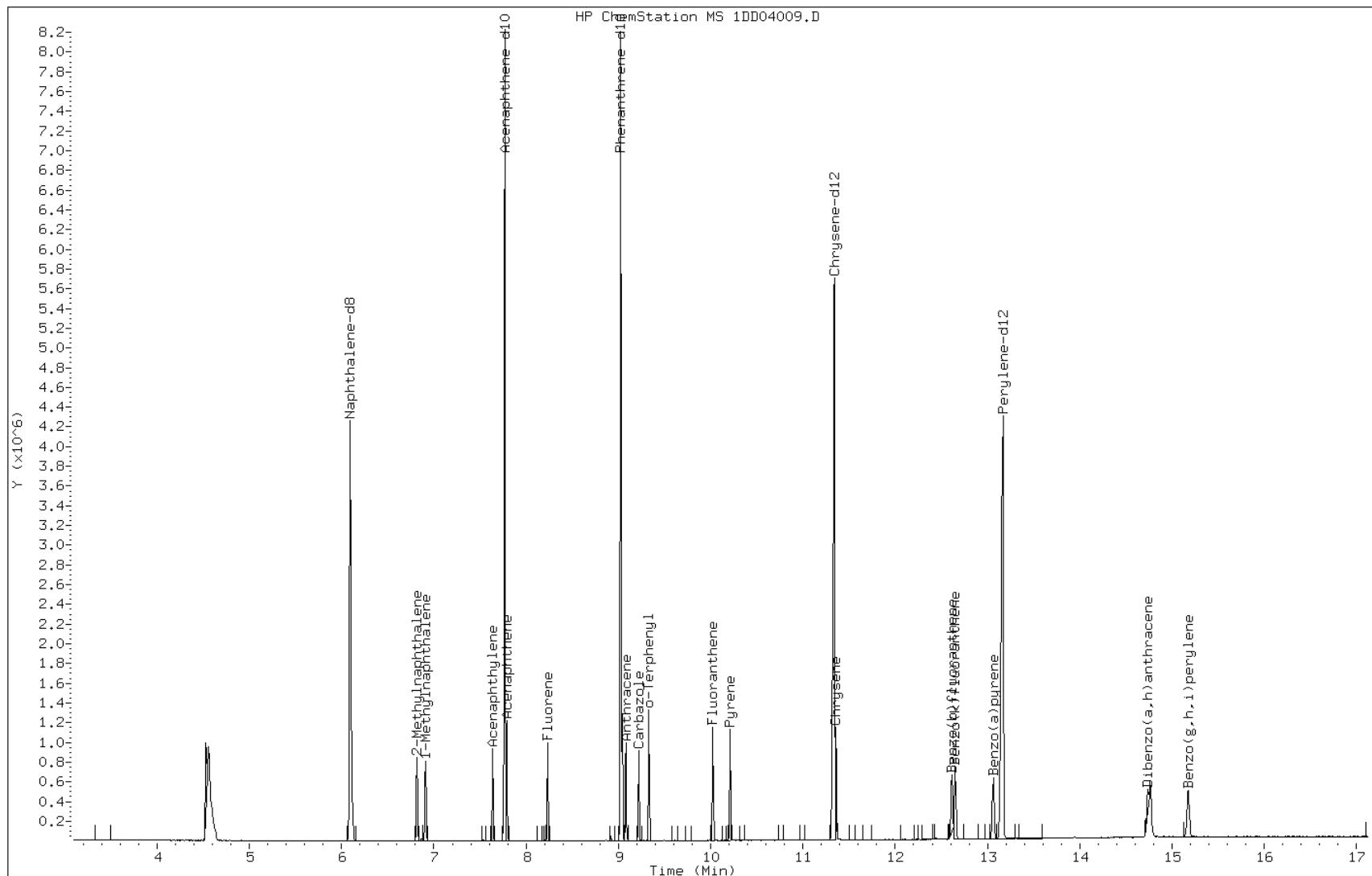
Date: 04-APR-2013 14:34

Client ID:

Instrument: BSMSD.i

Sample Info: IC-1531399

Operator: SCC

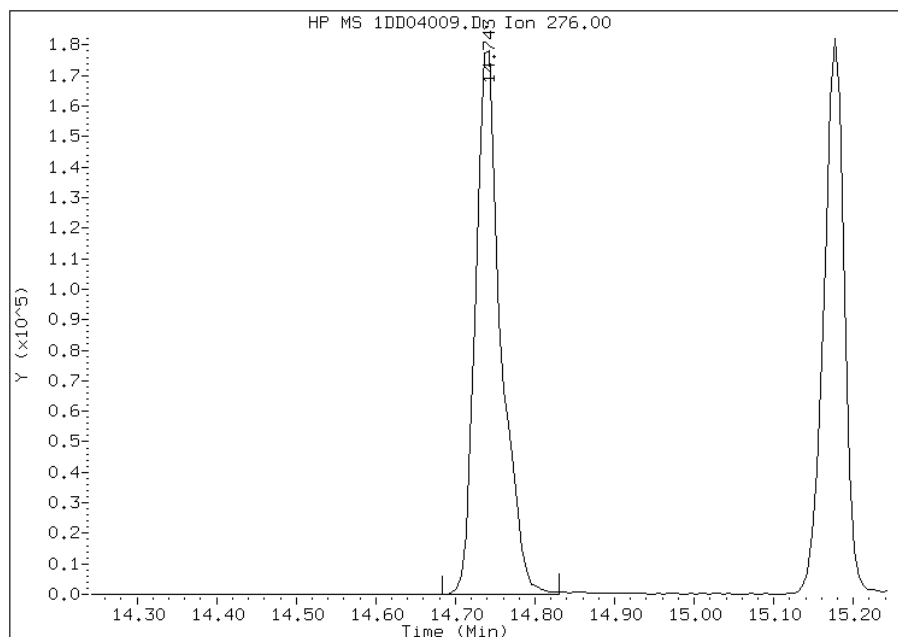


Manual Integration Report

Data File: 1DD04009.D
Inj. Date and Time: 04-APR-2013 14:34
Instrument ID: BSMSD.i
Client ID:
Compound: 23 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/05/2013

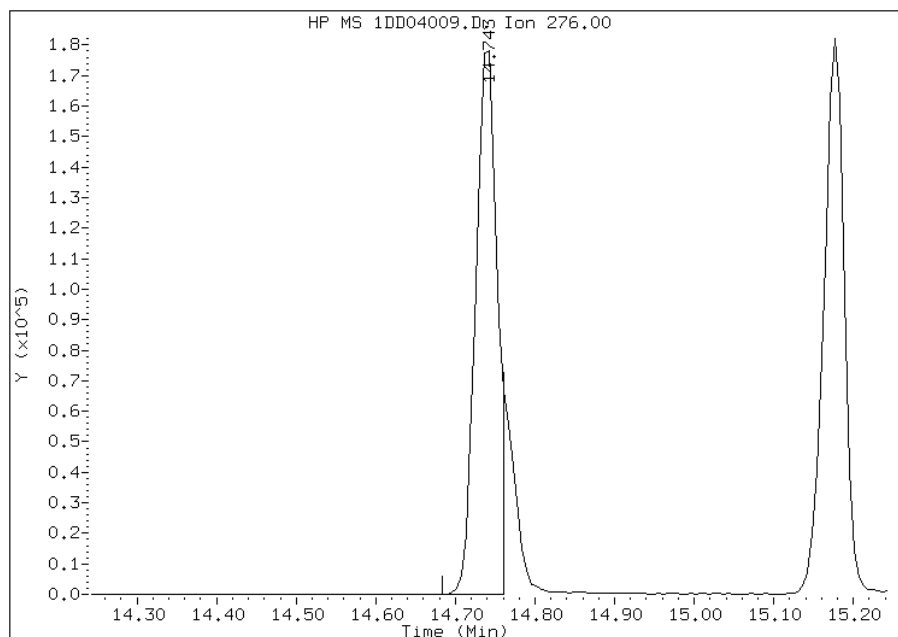
Processing Integration Results

RT: 14.74
Response: 395308
Amount: 5
Conc: 5



Manual Integration Results

RT: 14.74
Response: 336963
Amount: 5
Conc: 5



Manually Integrated By: cantins
Modification Date: 05-Apr-2013 12:29
Manual Integration Reason: Split Peak

TestAmerica Laboratories

Semivolatiles 8270 low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMSD.i\1D040413.b\1DD04010.D
 Lab Smp Id: IC-1531400
 Inj Date : 04-APR-2013 14:57
 Operator : SCC Inst ID: BSMSD.i
 Smp Info : IC-1531400
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMSD.i\1D040413.b\dfASTPAHi.m
 Meth Date : 05-Apr-2013 12:31 BSMSD.i Quant Type: ISTD
 Cal Date : 04-APR-2013 14:34 Cal File: 1DD04009.D
 Als bottle: 8 Calibration Sample, Level: 4
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

| Compounds | QUANT SIG | | AMOUNTS | | | | |
|---------------------------|-----------|--------|---------|---------|----------|--------------------|-------------------|
| | MASS | RT | EXP RT | REL RT | RESPONSE | CAL-AMT (ug/l) | ON-COL (ug/l) |
| * 1 Naphthalene-d8 | 136 | 6.093 | 6.093 | (1.000) | 2548377 | 40.0000 | |
| * 6 Acenaphthene-d10 | 164 | 7.767 | 7.767 | (1.000) | 1478460 | 40.0000 | |
| * 9 Phenanthrene-d10 | 188 | 9.025 | 9.025 | (1.000) | 2445573 | 40.0000 | |
| \$ 13 o-Terphenyl | 230 | 9.330 | 9.330 | (1.034) | 360585 | 10.0000 | 9.8 |
| * 17 Chrysene-d12 | 240 | 11.340 | 11.340 | (1.000) | 2472736 | 40.0000 | |
| * 22 Perylene-d12 | 264 | 13.167 | 13.167 | (1.000) | 2524268 | 40.0000 | |
| 2 Naphthalene | 128 | 6.110 | 6.110 | (1.003) | 614716 | 10.0000 | 9.7 |
| 3 2-Methylnaphthalene | 142 | 6.816 | 6.816 | (1.119) | 401151 | 10.0000 | 9.8 |
| 4 1-Methylnaphthalene | 142 | 6.910 | 6.910 | (1.134) | 377068 | 10.0000 | 9.8 |
| 5 Acenaphthylene | 152 | 7.638 | 7.638 | (0.983) | 620756 | 10.0000 | 9.9 |
| 7 Acenaphthene | 154 | 7.791 | 7.791 | (1.003) | 375673 | 10.0000 | 9.7 |
| 8 Fluorene | 166 | 8.237 | 8.237 | (1.061) | 453336 | 10.0000 | 9.9 |
| 10 Phenanthrene | 178 | 9.042 | 9.042 | (1.002) | 657435 | 10.0000 | 9.8 |
| 11 Anthracene | 178 | 9.083 | 9.083 | (1.007) | 663091 | 10.0000 | 9.9 |
| 12 Carbazole | 167 | 9.224 | 9.224 | (1.022) | 584967 | 10.0000 | 9.9 |
| 14 Fluoranthene | 202 | 10.024 | 10.024 | (1.111) | 684049 | 10.0000 | 9.9 |
| 15 Pyrene | 202 | 10.212 | 10.212 | (0.901) | 738839 | 10.0000 | 9.9 |
| 16 Benzo(a)anthracene | 228 | 11.322 | 11.322 | (0.998) | 655565 | 10.0000 | 9.7 |
| 18 Chrysene | 228 | 11.363 | 11.363 | (1.002) | 641842 | 10.0000 | 9.6 |
| 19 Benzo(b)fluoranthene | 252 | 12.621 | 12.621 | (0.959) | 612455 | 10.0000 | 9.7 |
| 20 Benzo(k)fluoranthene | 252 | 12.656 | 12.656 | (0.961) | 667284 | 10.0000 | 10 |
| 21 Benzo(a)pyrene | 252 | 13.067 | 13.067 | (0.992) | 629684 | 10.0000 | 9.9 |
| 23 Indeno(1,2,3-cd)pyrene | 276 | 14.747 | 14.747 | (1.120) | 647015 | 10.0000 | 9.6(M) |
| 24 Dibenzo(a,h)anthracene | 278 | 14.777 | 14.777 | (1.122) | 621340 | 10.0000 | 9.8 |
| 25 Benzo(g,h,i)perylene | 276 | 15.188 | 15.188 | (1.153) | 642692 | 10.0000 | 9.9 |

QC Flag Legend

M - Compound response manually integrated.

Data File: 1DD04010.D

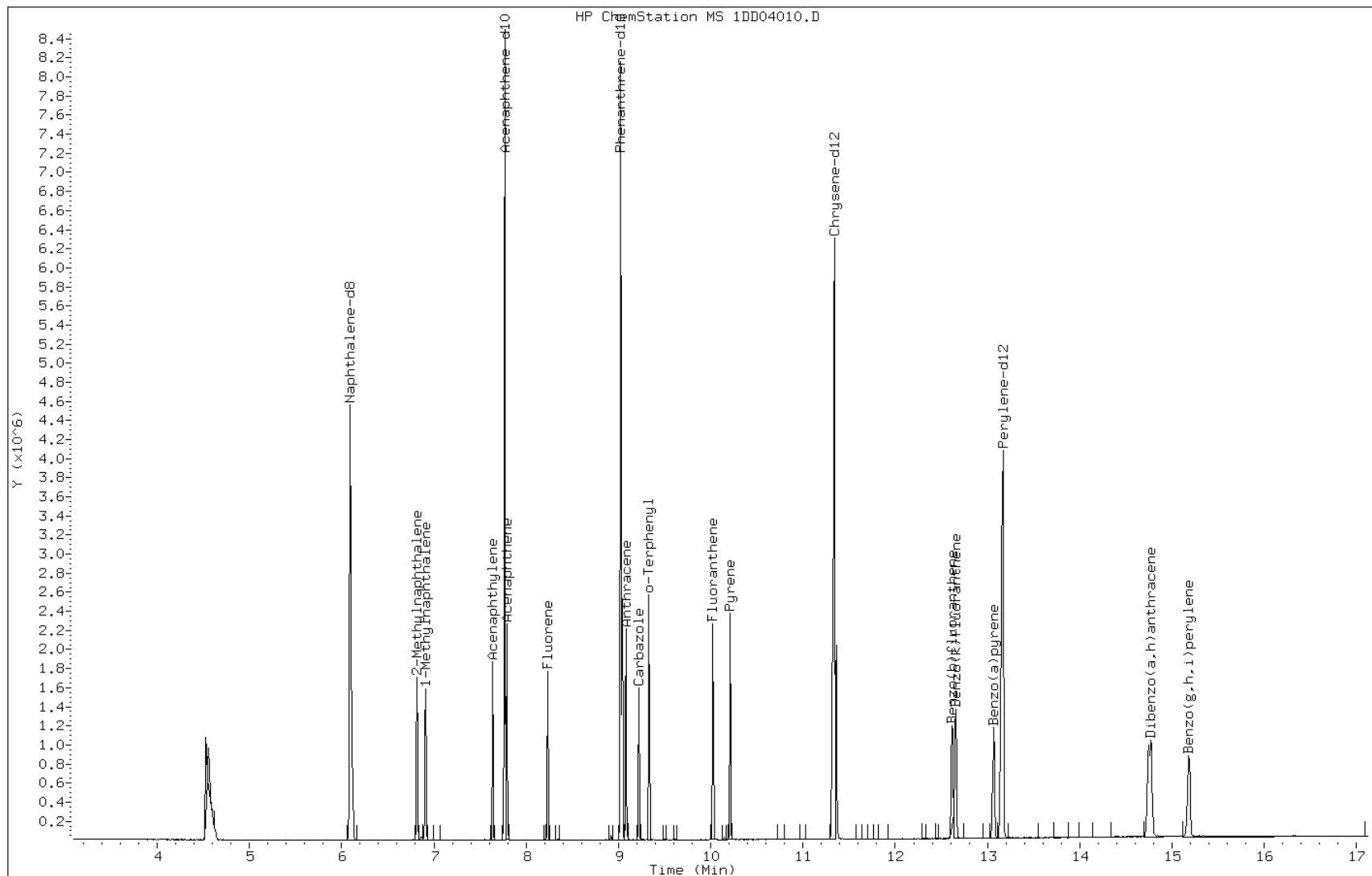
Date: 04-APR-2013 14:57

Client ID:

Instrument: BSMSD.i

Sample Info: IC-1531400

Operator: SCC

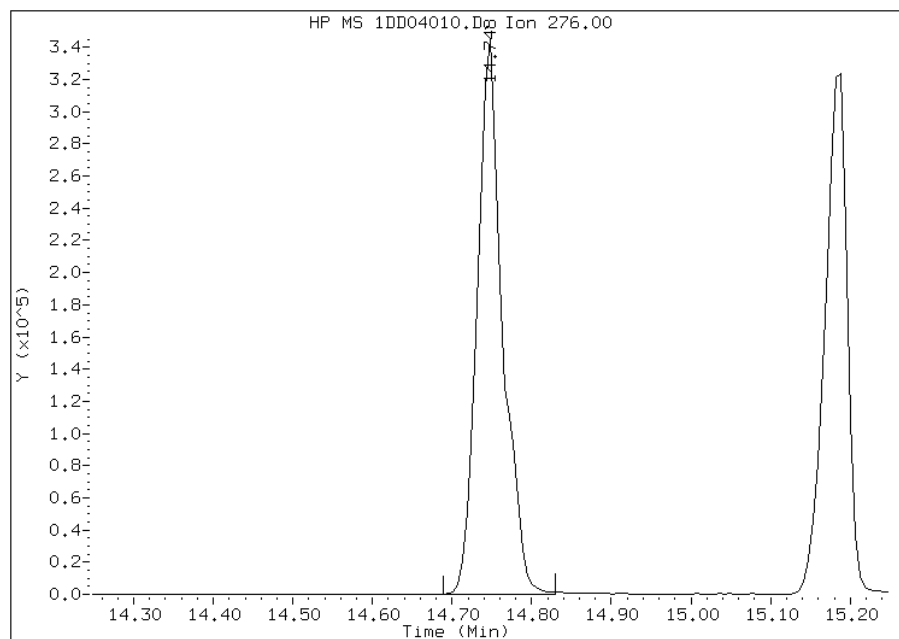


Manual Integration Report

Data File: 1DD04010.D
Inj. Date and Time: 04-APR-2013 14:57
Instrument ID: BSMMSD.i
Client ID:
Compound: 23 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/05/2013

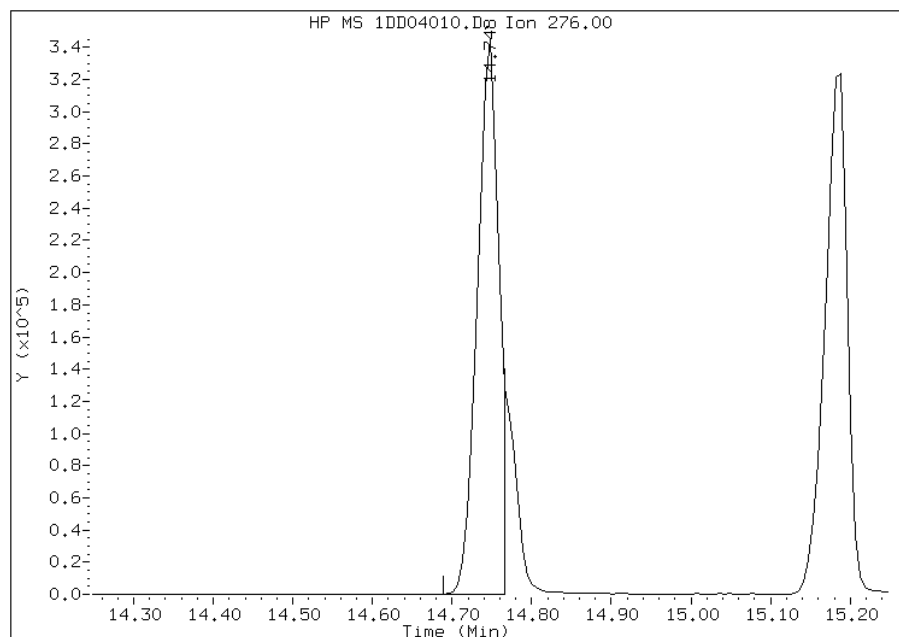
Processing Integration Results

RT: 14.75
Response: 759012
Amount: 10
Conc: 10



Manual Integration Results

RT: 14.75
Response: 647015
Amount: 10
Conc: 10



Manually Integrated By: cantins
Modification Date: 05-Apr-2013 12:30
Manual Integration Reason: Split Peak

TestAmerica Laboratories

Semivolatile 8270 low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMSD.i\1D040413.b\1DD04011.D
 Lab Smp Id: ICIS-1531401
 Inj Date : 04-APR-2013 15:19
 Operator : SCC Inst ID: BSMSD.i
 Smp Info : ICIS-1531401
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMSD.i\1D040413.b\dFASTPAHi.m
 Meth Date : 05-Apr-2013 12:31 BSMSD.i Quant Type: ISTD
 Cal Date : 04-APR-2013 14:57 Cal File: 1DD04010.D
 Als bottle: 9 Calibration Sample, Level: 5
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

| Compounds | QUANT | SIG | AMOUNTS | | | | | ON-COL |
|---------------------------|-------|-----|---------|--------|---------|---------|----------|--------|
| | | | MASS | RT | EXP RT | REL RT | RESPONSE | |
| * 1 Naphthalene-d8 | 136 | | 6.089 | 6.089 | (1.000) | 2475113 | 40.0000 | |
| * 6 Acenaphthene-d10 | 164 | | 7.769 | 7.769 | (1.000) | 1466924 | 40.0000 | |
| * 9 Phenanthrene-d10 | 188 | | 9.027 | 9.027 | (1.000) | 2428512 | 40.0000 | |
| \$ 13 o-Terphenyl | 230 | | 9.332 | 9.332 | (1.034) | 754512 | 20.0000 | 21 |
| * 17 Chrysene-d12 | 240 | | 11.342 | 11.342 | (1.000) | 2464730 | 40.0000 | |
| * 22 Perylene-d12 | 264 | | 13.169 | 13.169 | (1.000) | 2515643 | 40.0000 | |
| 2 Naphthalene | 128 | | 6.113 | 6.113 | (1.004) | 1235557 | 20.0000 | 20 |
| 3 2-Methylnaphthalene | 142 | | 6.818 | 6.818 | (1.120) | 806286 | 20.0000 | 20 |
| 4 1-Methylnaphthalene | 142 | | 6.912 | 6.912 | (1.135) | 757317 | 20.0000 | 20 |
| 5 Acenaphthylene | 152 | | 7.640 | 7.640 | (0.983) | 1275622 | 20.0000 | 20 |
| 7 Acenaphthene | 154 | | 7.793 | 7.793 | (1.003) | 757590 | 20.0000 | 20 |
| 8 Fluorene | 166 | | 8.234 | 8.234 | (1.060) | 918747 | 20.0000 | 20 |
| 10 Phenanthrene | 178 | | 9.044 | 9.044 | (1.002) | 1331875 | 20.0000 | 20 |
| 11 Anthracene | 178 | | 9.086 | 9.086 | (1.007) | 1360668 | 20.0000 | 20 |
| 12 Carbazole | 167 | | 9.227 | 9.227 | (1.022) | 1202897 | 20.0000 | 20 |
| 14 Fluoranthene | 202 | | 10.026 | 10.026 | (1.111) | 1392506 | 20.0000 | 20 |
| 15 Pyrene | 202 | | 10.214 | 10.214 | (0.901) | 1496990 | 20.0000 | 20 |
| 16 Benzo(a)anthracene | 228 | | 11.324 | 11.324 | (0.998) | 1332372 | 20.0000 | 20 |
| 18 Chrysene | 228 | | 11.365 | 11.365 | (1.002) | 1305118 | 20.0000 | 20 |
| 19 Benzo(b)fluoranthene | 252 | | 12.623 | 12.623 | (0.959) | 1270704 | 20.0000 | 20 |
| 20 Benzo(k)fluoranthene | 252 | | 12.664 | 12.664 | (0.962) | 1319239 | 20.0000 | 20 |
| 21 Benzo(a)pyrene | 252 | | 13.075 | 13.075 | (0.993) | 1276688 | 20.0000 | 20 |
| 23 Indeno(1,2,3-cd)pyrene | 276 | | 14.761 | 14.761 | (1.121) | 1333044 | 20.0000 | 20(M) |
| 24 Dibenzo(a,h)anthracene | 278 | | 14.785 | 14.785 | (1.123) | 1273836 | 20.0000 | 20 |
| 25 Benzo(g,h,i)perylene | 276 | | 15.202 | 15.202 | (1.154) | 1285637 | 20.0000 | 20 |

QC Flag Legend

M - Compound response manually integrated.

Data File: 1DD04011.D

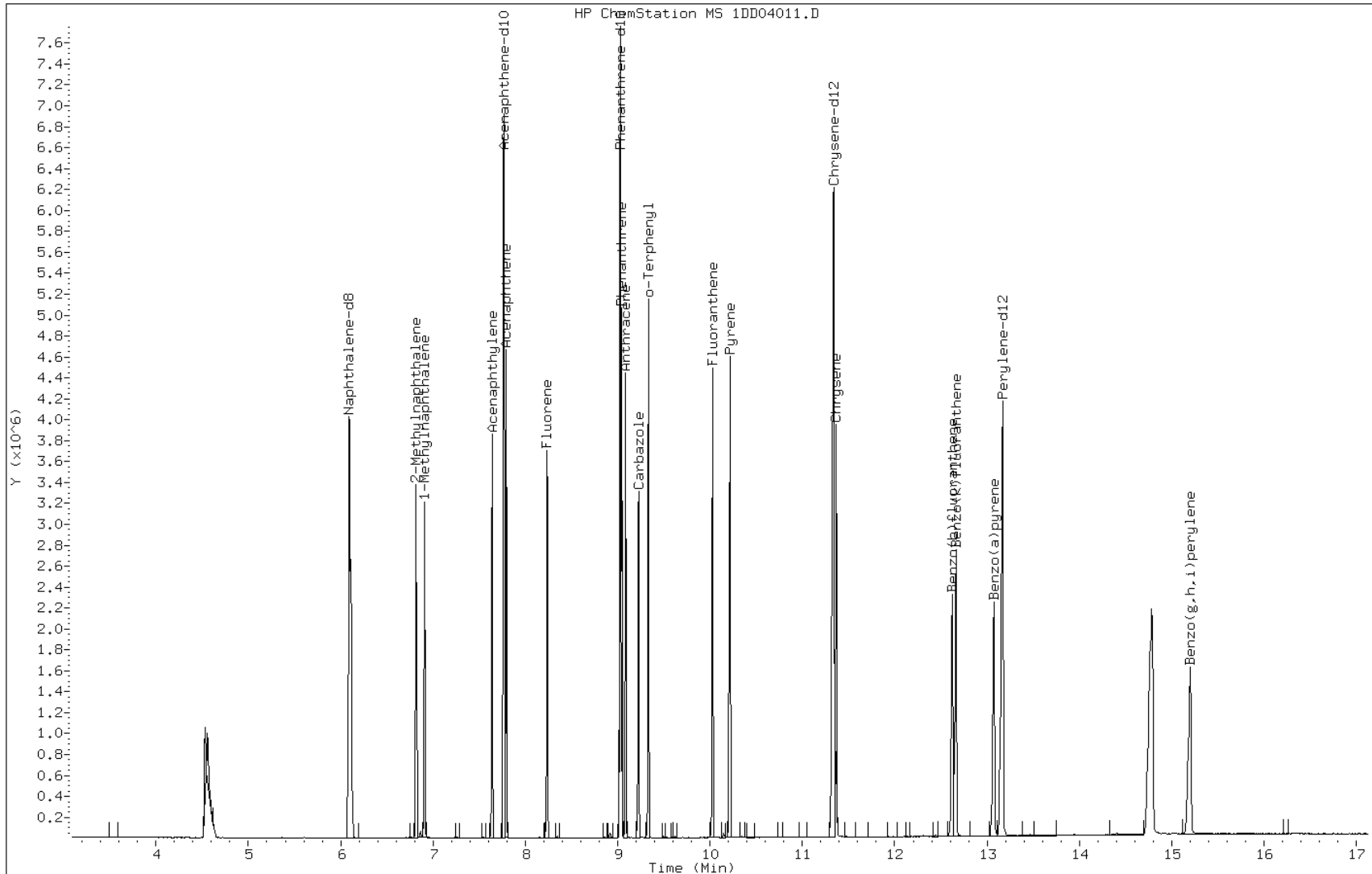
Date: 04-APR-2013 15:19

Client ID:

Instrument: BSMSD.i

Sample Info: ICIS-1531401

Operator: SCC

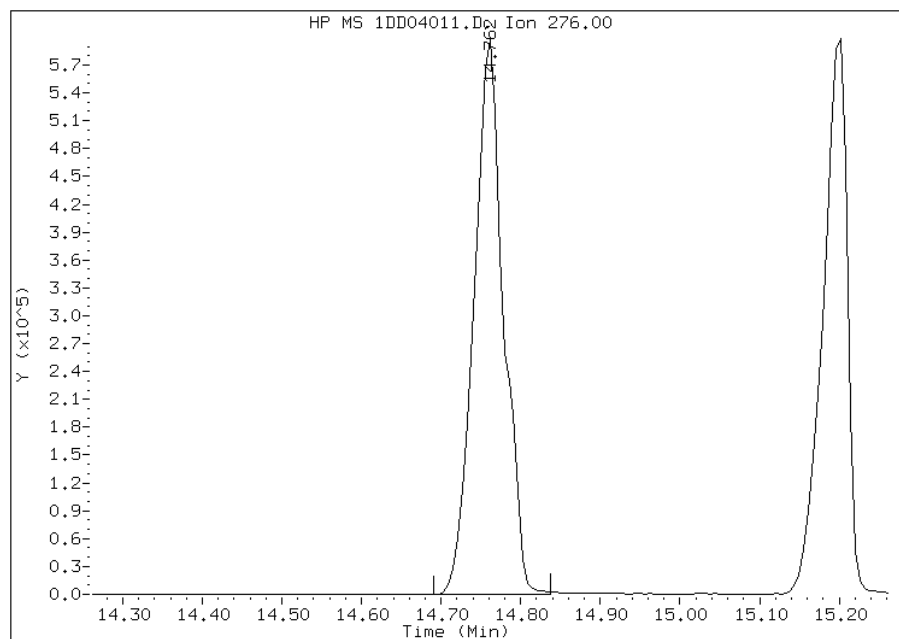


Manual Integration Report

Data File: 1DD04011.D
Inj. Date and Time: 04-APR-2013 15:19
Instrument ID: BSMSD.i
Client ID:
Compound: 23 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/05/2013

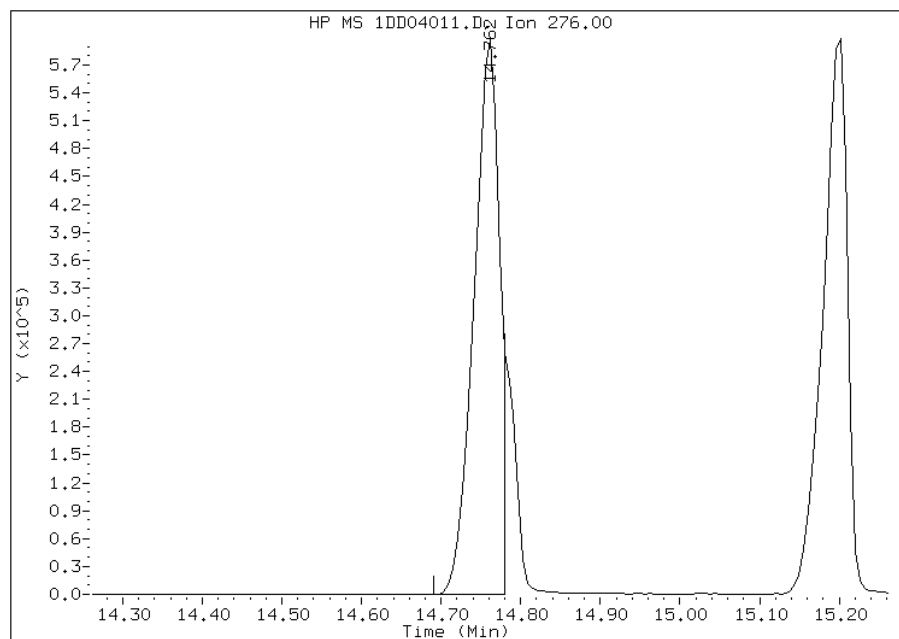
Processing Integration Results

RT: 14.76
Response: 1546230
Amount: 22
Conc: 22



Manual Integration Results

RT: 14.76
Response: 1333044
Amount: 20
Conc: 20



Manually Integrated By: cantins
Modification Date: 05-Apr-2013 12:26
Manual Integration Reason: Split Peak

TestAmerica Laboratories

Semivolatiles 8270 low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMSD.i\1D040413.b\1DD04012.D
 Lab Smp Id: IC-1531402
 Inj Date : 04-APR-2013 15:42
 Operator : SCC Inst ID: BSMSD.i
 Smp Info : IC-1531402
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMSD.i\1D040413.b\dfASTPAHi.m
 Meth Date : 05-Apr-2013 12:31 BSMSD.i Quant Type: ISTD
 Cal Date : 04-APR-2013 15:19 Cal File: 1DD04011.D
 Als bottle: 10 Calibration Sample, Level: 6
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

| Compounds | QUANT SIG | | AMOUNTS | | | | |
|---------------------------|-----------|--------|---------|---------|----------|--------------------|-------------------|
| | MASS | RT | EXP RT | REL RT | RESPONSE | CAL-AMT (ug/l) | ON-COL (ug/l) |
| * 1 Naphthalene-d8 | 136 | 6.090 | 6.090 | (1.000) | 2316091 | 40.0000 | |
| * 6 Acenaphthene-d10 | 164 | 7.765 | 7.765 | (1.000) | 1349878 | 40.0000 | |
| * 9 Phenanthrene-d10 | 188 | 9.028 | 9.028 | (1.000) | 2295562 | 40.0000 | |
| \$ 13 o-Terphenyl | 230 | 9.334 | 9.334 | (1.034) | 1074388 | 30.0000 | 31 |
| * 17 Chrysene-d12 | 240 | 11.343 | 11.343 | (1.000) | 2345845 | 40.0000 | |
| * 22 Perylene-d12 | 264 | 13.170 | 13.170 | (1.000) | 2343379 | 40.0000 | |
| 2 Naphthalene | 128 | 6.114 | 6.114 | (1.004) | 1777021 | 30.0000 | 31 |
| 3 2-Methylnaphthalene | 142 | 6.819 | 6.819 | (1.120) | 1162560 | 30.0000 | 31 |
| 4 1-Methylnaphthalene | 142 | 6.913 | 6.913 | (1.135) | 1096847 | 30.0000 | 31 |
| 5 Acenaphthylene | 152 | 7.642 | 7.642 | (0.984) | 1852399 | 30.0000 | 32 |
| 7 Acenaphthene | 154 | 7.794 | 7.794 | (1.004) | 1100779 | 30.0000 | 31 |
| 8 Fluorene | 166 | 8.235 | 8.235 | (1.061) | 1323451 | 30.0000 | 32 |
| 10 Phenanthrene | 178 | 9.046 | 9.046 | (1.002) | 1932978 | 30.0000 | 30 |
| 11 Anthracene | 178 | 9.087 | 9.087 | (1.007) | 1981347 | 30.0000 | 32 |
| 12 Carbazole | 167 | 9.228 | 9.228 | (1.022) | 1717245 | 30.0000 | 31 |
| 14 Fluoranthene | 202 | 10.027 | 10.027 | (1.111) | 2025512 | 30.0000 | 31 |
| 15 Pyrene | 202 | 10.215 | 10.215 | (0.901) | 2181708 | 30.0000 | 31 |
| 16 Benzo(a)anthracene | 228 | 11.326 | 11.326 | (0.998) | 1914899 | 30.0000 | 30 |
| 18 Chrysene | 228 | 11.367 | 11.367 | (1.002) | 1900592 | 30.0000 | 30 |
| 19 Benzo(b)fluoranthene | 252 | 12.630 | 12.630 | (0.959) | 1811151 | 30.0000 | 31 |
| 20 Benzo(k)fluoranthene | 252 | 12.671 | 12.671 | (0.962) | 1910468 | 30.0000 | 31 |
| 21 Benzo(a)pyrene | 252 | 13.082 | 13.082 | (0.993) | 1854979 | 30.0000 | 32 |
| 23 Indeno(1,2,3-cd)pyrene | 276 | 14.769 | 14.769 | (1.121) | 2011375 | 30.0000 | 32(M) |
| 24 Dibenzo(a,h)anthracene | 278 | 14.798 | 14.798 | (1.124) | 1840819 | 30.0000 | 31 |
| 25 Benzo(g,h,i)perylene | 276 | 15.209 | 15.209 | (1.155) | 1860821 | 30.0000 | 31 |

QC Flag Legend

M - Compound response manually integrated.

Data File: 1DD04012.D

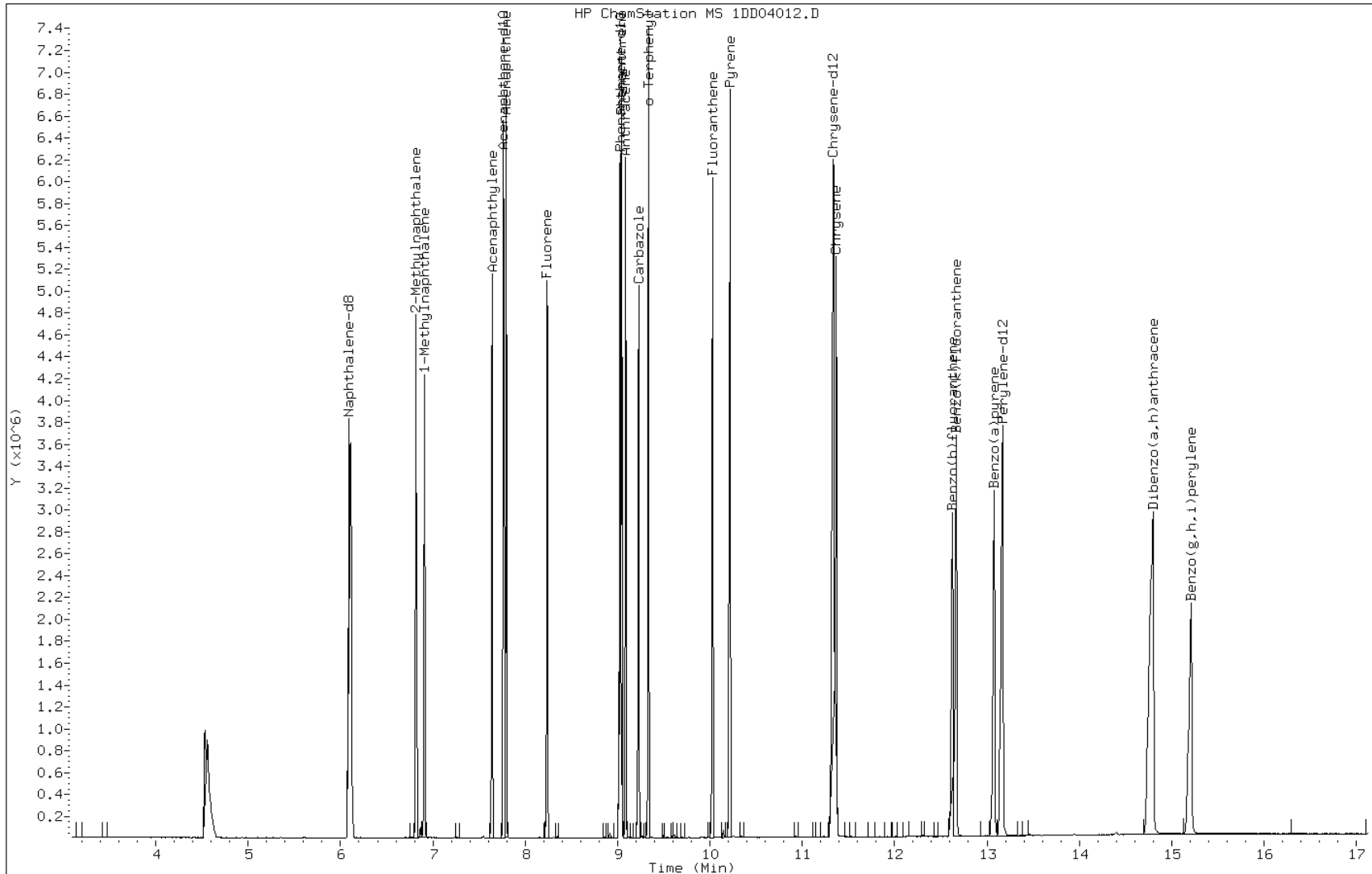
Date: 04-APR-2013 15:42

Client ID:

Instrument: BSMSD.i

Sample Info: IC-1531402

Operator: SCC

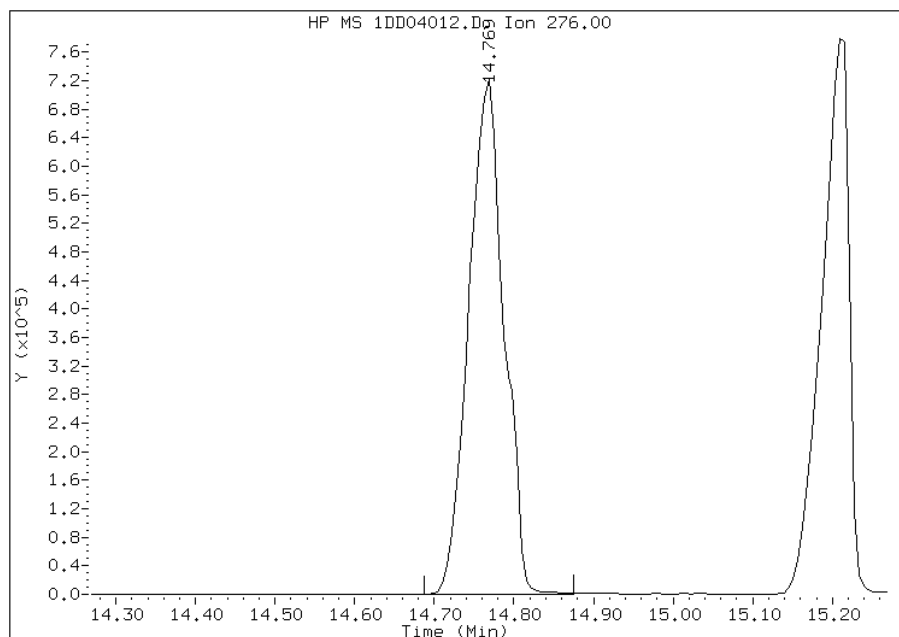


Manual Integration Report

Data File: 1DD04012.D
Inj. Date and Time: 04-APR-2013 15:42
Instrument ID: BSMSD.i
Client ID:
Compound: 23 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/05/2013

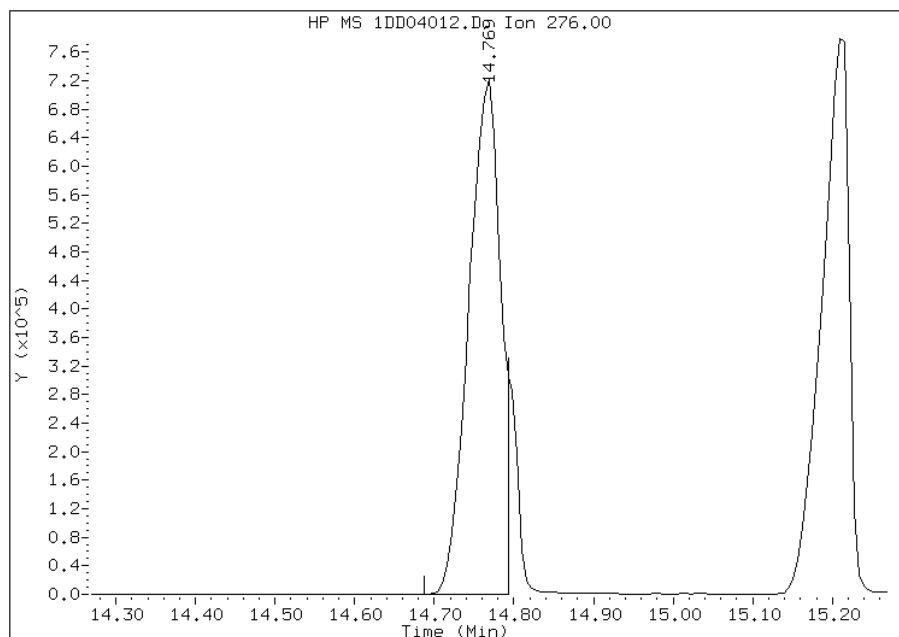
Processing Integration Results

RT: 14.77
Response: 2221522
Amount: 32
Conc: 32



Manual Integration Results

RT: 14.77
Response: 2011375
Amount: 32
Conc: 32



Manually Integrated By: cantins
Modification Date: 05-Apr-2013 12:30
Manual Integration Reason: Split Peak

TestAmerica Laboratories

Semivolatile 8270 low level PAH

Data file : \\tam-chemsrv\chem\SM\BSMSD.i\1D040413.b\1DD04013.D
 Lab Smp Id: IC-1531403
 Inj Date : 04-APR-2013 16:04
 Operator : SCC Inst ID: BSMSD.i
 Smp Info : IC-1531403
 Misc Info :
 Comment :
 Method : \\tam-chemsrv\chem\SM\BSMSD.i\1D040413.b\dFASTPAHi.m
 Meth Date : 05-Apr-2013 12:31 BSMSD.i Quant Type: ISTD
 Cal Date : 04-APR-2013 15:42 Cal File: 1DD04012.D
 Als bottle: 11 Calibration Sample, Level: 7
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

| Compounds | QUANT SIG | | | | | AMOUNTS | |
|---------------------------|-----------|--------|--------|---------|----------|--------------------|-------------------|
| | MASS | RT | EXP RT | REL RT | RESPONSE | CAL-AMT (ug/l) | ON-COL (ug/l) |
| * 1 Naphthalene-d8 | 136 | 6.090 | 6.090 | (1.000) | 2444753 | 40.0000 | |
| * 6 Acenaphthene-d10 | 164 | 7.770 | 7.770 | (1.000) | 1439391 | 40.0000 | |
| * 9 Phenanthrene-d10 | 188 | 9.027 | 9.027 | (1.000) | 2373597 | 40.0000 | |
| \$ 13 o-Terphenyl | 230 | 9.339 | 9.339 | (1.034) | 2031596 | 50.0000 | 57(A) |
| * 17 Chrysene-d12 | 240 | 11.348 | 11.348 | (1.000) | 2479223 | 40.0000 | |
| * 22 Perylene-d12 | 264 | 13.175 | 13.175 | (1.000) | 2461140 | 40.0000 | |
| 2 Naphthalene | 128 | 6.113 | 6.113 | (1.004) | 3211548 | 50.0000 | 53(A) |
| 3 2-Methylnaphthalene | 142 | 6.818 | 6.818 | (1.120) | 2134320 | 50.0000 | 54(A) |
| 4 1-Methylnaphthalene | 142 | 6.912 | 6.912 | (1.135) | 1999874 | 50.0000 | 54(A) |
| 5 Acenaphthylene | 152 | 7.641 | 7.641 | (0.983) | 3396591 | 50.0000 | 56(A) |
| 7 Acenaphthene | 154 | 7.799 | 7.799 | (1.004) | 2018481 | 50.0000 | 54(A) |
| 8 Fluorene | 166 | 8.240 | 8.240 | (1.060) | 2393163 | 50.0000 | 54(A) |
| 10 Phenanthrene | 178 | 9.051 | 9.051 | (1.003) | 3534794 | 50.0000 | 54(A) |
| 11 Anthracene | 178 | 9.092 | 9.092 | (1.007) | 3590722 | 50.0000 | 55(A) |
| 12 Carbazole | 167 | 9.233 | 9.233 | (1.023) | 3137679 | 50.0000 | 55(A) |
| 14 Fluoranthene | 202 | 10.032 | 10.032 | (1.111) | 3681257 | 50.0000 | 55(A) |
| 15 Pyrene | 202 | 10.220 | 10.220 | (0.901) | 3965627 | 50.0000 | 53(A) |
| 16 Benzo(a)anthracene | 228 | 11.325 | 11.325 | (0.998) | 3388838 | 50.0000 | 50(A) |
| 18 Chrysene | 228 | 11.377 | 11.377 | (1.003) | 3512644 | 50.0000 | 52(A) |
| 19 Benzo(b)fluoranthene | 252 | 12.635 | 12.635 | (0.959) | 3290902 | 50.0000 | 54(A) |
| 20 Benzo(k)fluoranthene | 252 | 12.682 | 12.682 | (0.963) | 3421834 | 50.0000 | 53(A) |
| 21 Benzo(a)pyrene | 252 | 13.093 | 13.093 | (0.994) | 3327888 | 50.0000 | 54(A) |
| 23 Indeno(1,2,3-cd)pyrene | 276 | 14.785 | 14.785 | (1.122) | 3754268 | 50.0000 | 57(AM) |
| 24 Dibenzo(a,h)anthracene | 278 | 14.826 | 14.826 | (1.125) | 3350541 | 50.0000 | 54(A) |
| 25 Benzo(g,h,i)perylene | 276 | 15.238 | 15.238 | (1.157) | 3284166 | 50.0000 | 52(A) |

QC Flag Legend

- A - Target compound detected but, quantitated amount exceeded maximum amount.
- M - Compound response manually integrated.

Data File: 1DD04013.D

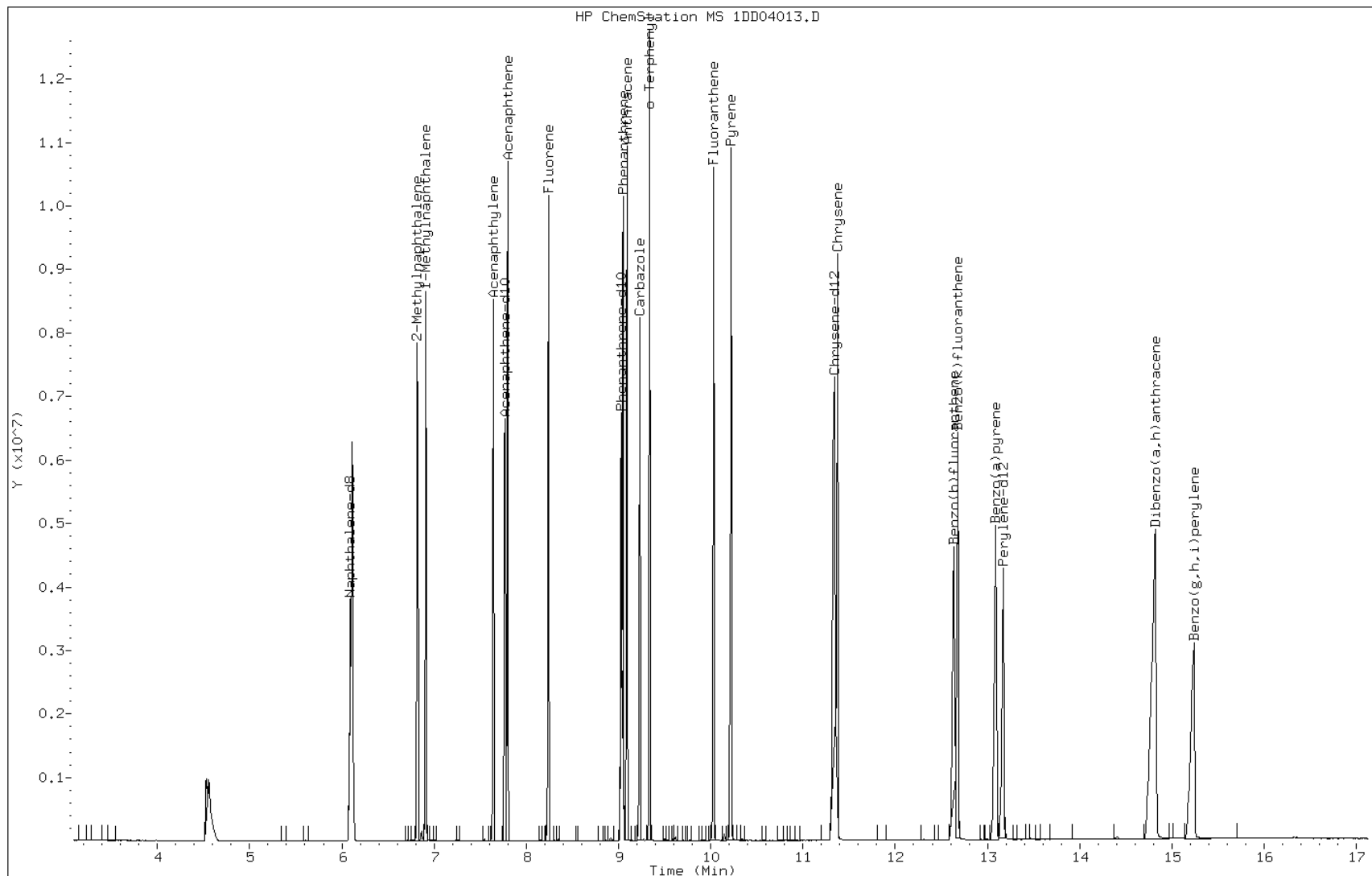
Date: 04-APR-2013 16:04

Client ID:

Instrument: BSMSD.i

Sample Info: IC-1531403

Operator: SCC

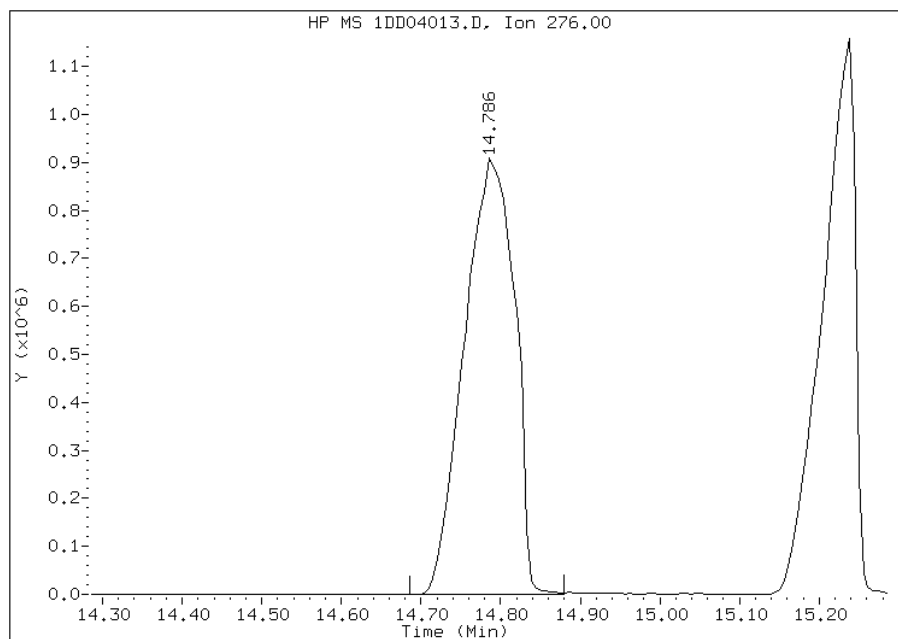


Manual Integration Report

Data File: 1DD04013.D
Inj. Date and Time: 04-APR-2013 16:04
Instrument ID: BSMSD.i
Client ID:
Compound: 23 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/05/2013

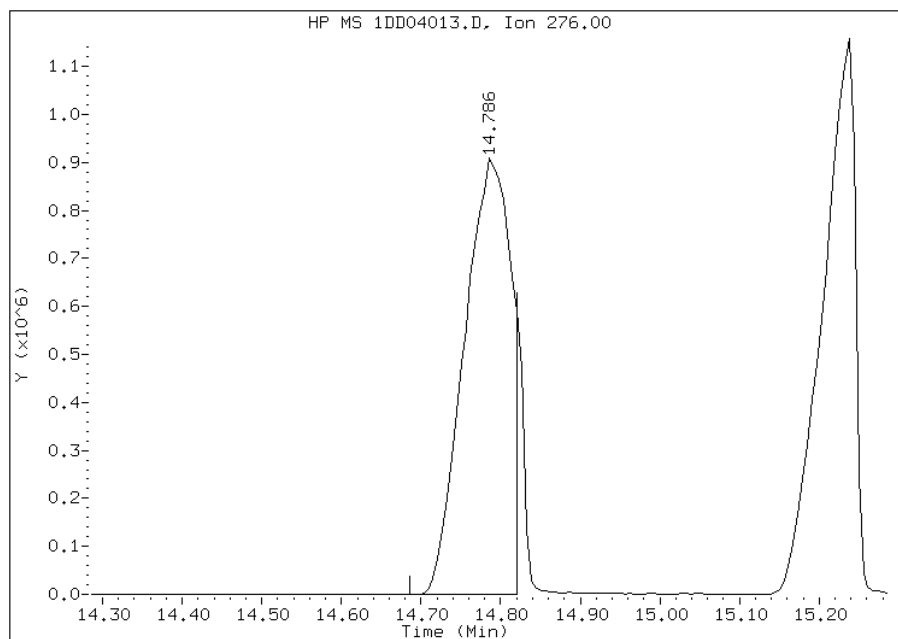
Processing Integration Results

RT: 14.79
Response: 3993028
Amount: 54
Conc: 54



Manual Integration Results

RT: 14.79
Response: 3754268
Amount: 57
Conc: 57



Manually Integrated By: cantins
Modification Date: 05-Apr-2013 12:30
Manual Integration Reason: Split Peak

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Tampa Job No.: 680-89516-1
 SDG No.: 68089516-1
 Lab Sample ID: ICV 660-136892/10 Calibration Date: 04/26/2013 11:49
 Instrument ID: BSMA5973 Calib Start Date: 04/26/2013 10:03
 GC Column: DB-5MS ID: 250.00 (um) Calib End Date: 04/26/2013 11:34
 Lab File ID: 1AD26010.D Conc. Units: ug/Kg

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|------------------------|------------|---------|--------|---------|-------------|--------------|-------|--------|
| Naphthalene | Ave | 1.000 | 1.013 | 0.0000 | 20300 | 20000 | 1.3 | 35.0 |
| 2-Methylnaphthalene | Ave | 0.5733 | 0.5866 | 0.0000 | 20500 | 20000 | 2.3 | 35.0 |
| 1-Methylnaphthalene | Ave | 0.6351 | 0.6716 | 0.0000 | 21100 | 20000 | 5.7 | 35.0 |
| Acenaphthylene | Ave | 2.338 | 2.056 | 0.0000 | 17600 | 20000 | -12.0 | 35.0 |
| Acenaphthene | Ave | 1.226 | 1.124 | 0.0000 | 18300 | 20000 | -8.3 | 35.0 |
| Fluorene | Ave | 1.475 | 1.361 | 0.0000 | 18500 | 20000 | -7.7 | 35.0 |
| Phenanthrene | Ave | 1.159 | 1.010 | 0.0000 | 17400 | 20000 | -12.8 | 35.0 |
| Anthracene | Ave | 1.205 | 1.090 | 0.0000 | 18100 | 20000 | -9.5 | 35.0 |
| Carbazole | Ave | 1.162 | 0.9708 | 0.0000 | 16700 | 20000 | -16.5 | 35.0 |
| Fluoranthene | Ave | 1.338 | 1.312 | 0.0000 | 19600 | 20000 | -1.9 | 35.0 |
| Pyrene | Ave | 1.526 | 1.466 | 0.0000 | 19200 | 20000 | -4.0 | 35.0 |
| Benzo[a]anthracene | Ave | 1.306 | 1.270 | 0.0000 | 19400 | 20000 | -2.8 | 35.0 |
| Chrysene | Ave | 1.325 | 1.145 | 0.0000 | 17300 | 20000 | -13.6 | 35.0 |
| Benzo[b]fluoranthene | Ave | 1.214 | 1.285 | 0.0000 | 21200 | 20000 | 5.8 | 35.0 |
| Benzo[k]fluoranthene | Ave | 1.396 | 1.175 | 0.0000 | 16800 | 20000 | -15.8 | 35.0 |
| Benzo[a]pyrene | Ave | 1.208 | 1.102 | 0.0000 | 18200 | 20000 | -8.8 | 35.0 |
| Indeno[1,2,3-cd]pyrene | Ave | 1.141 | 1.134 | 0.0000 | 19900 | 20000 | -0.6 | 35.0 |
| Dibenz(a,h)anthracene | Ave | 1.061 | 1.182 | 0.0000 | 22300 | 20000 | 11.3 | 35.0 |
| Benzo[g,h,i]perylene | Ave | 1.277 | 1.224 | 0.0000 | 19200 | 20000 | -4.1 | 35.0 |
| o-Terphenyl | Ave | 0.6543 | 0.5935 | 0.0000 | 18100 | 20000 | -9.3 | 35.0 |

TestAmerica Laboratories

Semivolatiles 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMA5973.i\1A042613.b\1AD26010.D
 Lab Smp Id: ICV-1448440
 Inj Date : 26-APR-2013 11:49
 Operator : SCC
 Smp Info : ICV-1448440
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMA5973.i\1A042613.b\a-bFASTPAHi-m.m
 Meth Date : 26-Apr-2013 13:03 cantins Quant Type: ISTD
 Cal Date : 26-APR-2013 11:34 Cal File: 1AD26009.D
 Als bottle: 10 QC Sample: LCS
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

Concentration Formula: Amt * DF * 1/Vi * Vt/Vo * A * B * C * D * CpndVariable

| Name | Value | Description |
|---------------|----------|--|
| DF | 1.000 | Dilution Factor |
| Vi | 1.000 | Injection Volume |
| Vt | 1.000 | Final Volume |
| Vo | 1000.000 | Sample Volume |
| A | 1000.000 | uL to mL conversion |
| B | 1000.000 | mL to L conversion |
| C | 0.00100 | ng to ug conversion |
| D | 1.000 | ug to mg conversion(value = 1= if no con |
| Cpnd Variable | | Local Compound Variable |

| Compounds | QUANT | SIG | MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS | |
|-----------------------|-------|-----|-------|-------|---------|---------|----------|-------------------|---------------|
| | | | | | | | | ON-COLUMN (ug/ml) | FINAL (ug/l) |
| * 1 Naphthalene-d8 | 136 | | 2.581 | 2.581 | (1.000) | 2252499 | 40.0000 | | |
| * 6 Acenaphthene-d10 | 164 | | 3.612 | 3.606 | (1.000) | 1126401 | 40.0000 | | |
| * 10 Phenanthrene-d10 | 188 | | 4.563 | 4.563 | (1.000) | 2015970 | 40.0000 | | |
| \$ 14 o-Terphenyl | 230 | | 4.863 | 4.862 | (1.066) | 598212 | 18.1419 | 18.1418 | |
| * 18 Chrysene-d12 | 240 | | 6.583 | 6.582 | (1.000) | 1842442 | 40.0000 | | |
| * 23 Perylene-d12 | 264 | | 7.667 | 7.666 | (1.000) | 2029776 | 40.0000 | | |
| 2 Naphthalene | 128 | | 2.592 | 2.591 | (1.004) | 1140891 | 20.2617 | 20.2616 | |
| 3 2-Methylnaphthalene | 141 | | 2.998 | 2.997 | (1.161) | 660618 | 20.4636 | 20.4636 | |
| 4 1-Methylnaphthalene | 142 | | 3.052 | 3.051 | (1.182) | 756416 | 21.1488 | 21.1487 | |
| 5 Acenaphthylene | 152 | | 3.522 | 3.521 | (0.975) | 1158011 | 17.5909 | 17.5909 | |
| 7 Acenaphthene | 154 | | 3.629 | 3.628 | (1.004) | 633033 | 18.3366 | 18.3366 | |
| 9 Fluorene | 166 | | 3.944 | 3.943 | (1.092) | 766644 | 18.4575 | 18.4574 | |
| 11 Phenanthrene | 178 | | 4.579 | 4.579 | (1.004) | 1018538 | 17.4411 | 17.4411 | |
| 12 Anthracene | 178 | | 4.611 | 4.611 | (1.011) | 1099004 | 18.0989 | 18.0989 | |
| 13 Carbazole | 167 | | 4.734 | 4.739 | (1.037) | 978595 | 16.7058 | 16.7058(M) | |
| 15 Fluoranthene | 202 | | 5.439 | 5.439 | (1.192) | 1322879 | 19.6122 | 19.6122 | |
| 16 Pyrene | 202 | | 5.605 | 5.604 | (0.851) | 1350229 | 19.2093 | 19.2092 | |

| Compounds | QUANT SIG | | CONCENTRATIONS | | | | | |
|---------------------------|-----------|--|----------------|--------|---------|----------|----------------------|------------------|
| | MASS | | RT | EXP RT | REL RT | RESPONSE | ON-COLUMN (ug/ml) | FINAL (ug/l) |
| ===== | ==== | | ==== | ===== | ===== | ===== | ===== | |
| 17 Benzo(a)anthracene | 228 | | 6.572 | 6.566 | (0.998) | 1170041 | 19.4460 | 19.4459 |
| 19 Chrysene | 228 | | 6.604 | 6.598 | (1.003) | 1054888 | 17.2812 | 17.2812 |
| 20 Benzo(b)fluoranthene | 252 | | 7.389 | 7.389 | (0.964) | 1303989 | 21.1608 | 21.1608 |
| 21 Benzo(k)fluoranthene | 252 | | 7.411 | 7.410 | (0.967) | 1192511 | 16.8313 | 16.8313 |
| 22 Benzo(a)pyrene | 252 | | 7.614 | 7.613 | (0.993) | 1118521 | 18.2457 | 18.2456 |
| 24 Indeno(1,2,3-cd)pyrene | 276 | | 8.426 | 8.430 | (1.099) | 1150730 | 19.8802 | 19.8802 |
| 25 Dibenzo(a,h)anthracene | 278 | | 8.458 | 8.457 | (1.103) | 1199380 | 22.2696 | 22.2695 |
| 26 Benzo(g,h,i)perylene | 276 | | 8.650 | 8.654 | (1.128) | 1241990 | 19.1718 | 19.1717 |

QC Flag Legend

M - Compound response manually integrated.

Data File: 1AD26010.D

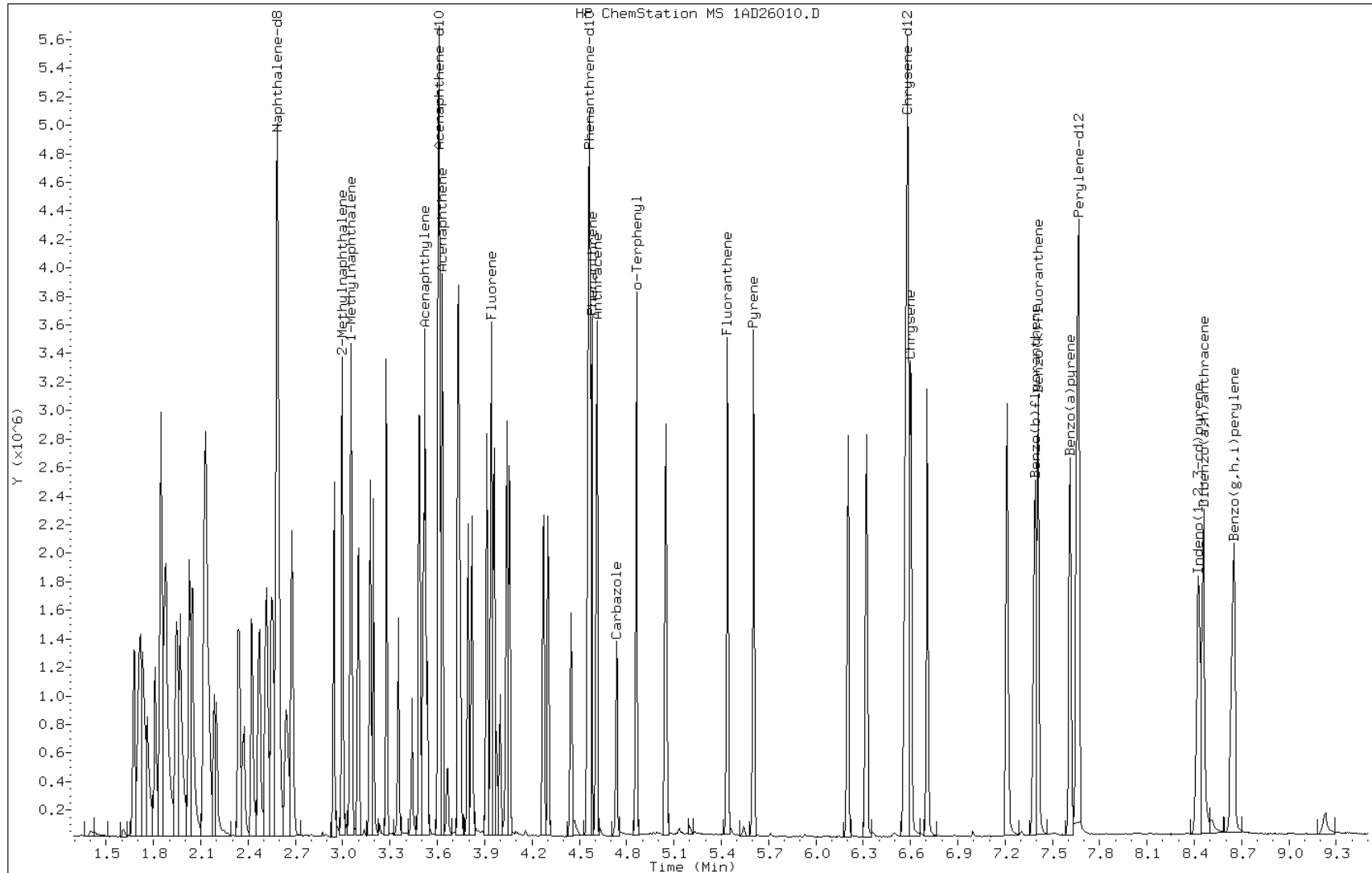
Date: 26-APR-2013 11:49

Client ID:

Instrument: BSMA5973.i

Sample Info: ICV-1448440

Operator: SCC

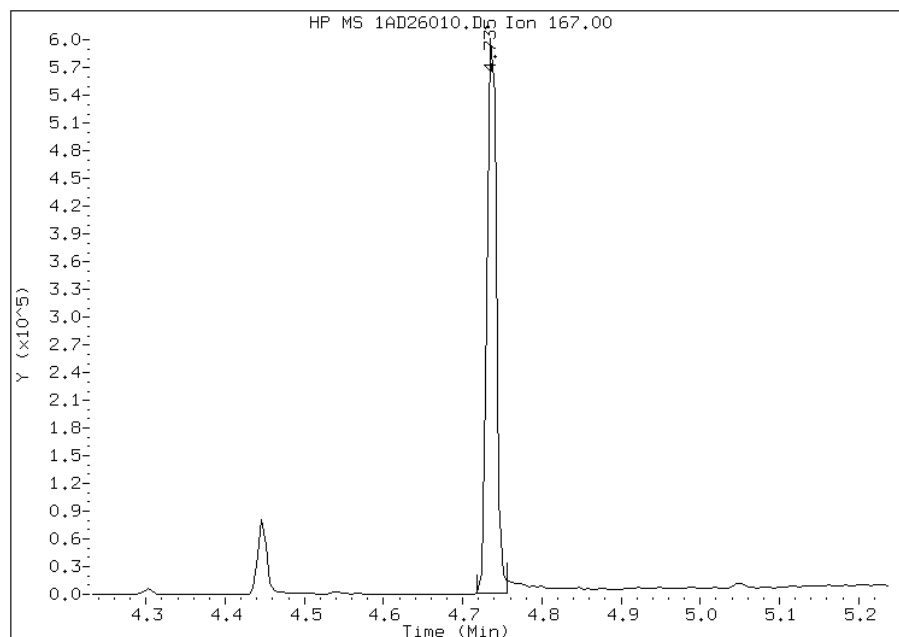


Manual Integration Report

Data File: 1AD26010.D
Inj. Date and Time: 26-APR-2013 11:49
Instrument ID: BSMA5973.i
Client ID:
Compound: 13 Carbazole
CAS #: 86-74-8
Report Date: 04/26/2013

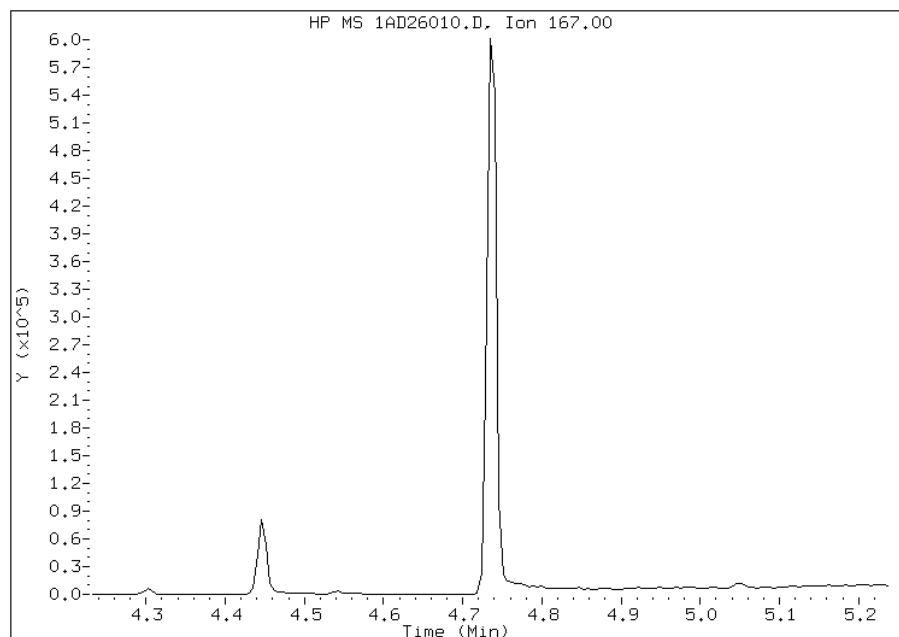
Processing Integration Results

RT: 4.73
Response: 486883
Amount: 8
Conc: 8



Manual Integration Results

RT: 4.73
Response: 978595
Amount: 17
Conc: 17



Manually Integrated By: cantins
Modification Date: 26-Apr-2013 13:06
Manual Integration Reason: Baseline Event

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Tampa Job No.: 680-89516-1
 SDG No.: 68089516-1
 Lab Sample ID: ICV 660-136792/15 Calibration Date: 04/24/2013 16:06
 Instrument ID: BSMC5973 Calib Start Date: 04/24/2013 13:57
 GC Column: DB-5MS ID: 250.00 (um) Calib End Date: 04/24/2013 15:47
 Lab File ID: 1CD24014.D Conc. Units: ug/Kg

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|------------------------|------------|---------|--------|---------|-------------|--------------|-------|--------|
| Naphthalene | Qua | 1.098 | 0.9939 | 0.0000 | 18500 | 20000 | -7.6 | 35.0 |
| 2-Methylnaphthalene | Qua | 0.6360 | 0.6687 | 0.0000 | 19000 | 20000 | -4.8 | 35.0 |
| 1-Methylnaphthalene | Qua | 0.7017 | 0.6644 | 0.0000 | 20100 | 20000 | 0.6 | 35.0 |
| Acenaphthylene | Qua | 2.140 | 1.745 | 0.0000 | 17300 | 20000 | -13.5 | 35.0 |
| Acenaphthene | Lin | 1.041 | 1.047 | 0.0000 | 18100 | 20000 | -9.5 | 35.0 |
| Fluorene | Lin | 1.213 | 1.264 | 0.0000 | 18400 | 20000 | -8.0 | 35.0 |
| Phenanthrene | Ave | 1.095 | 1.088 | 0.0000 | 19900 | 20000 | -0.7 | 35.0 |
| Anthracene | Lin | 1.235 | 1.214 | 0.0000 | 20400 | 20000 | 1.9 | 35.0 |
| Carbazole | Ave | 1.101 | 1.068 | 0.0000 | 19400 | 20000 | -3.0 | 35.0 |
| Fluoranthene | Lin | 1.232 | 1.320 | 0.0000 | 19900 | 20000 | -0.3 | 35.0 |
| Pyrene | Ave | 1.181 | 1.084 | 0.0000 | 18400 | 20000 | -8.2 | 35.0 |
| Benzo[a]anthracene | Qua | 1.351 | 1.168 | 0.0000 | 21500 | 20000 | 7.5 | 35.0 |
| Chrysene | Ave | 1.142 | 1.018 | 0.0000 | 17800 | 20000 | -10.9 | 35.0 |
| Benzo[b]fluoranthene | Ave | 1.106 | 1.167 | 0.0000 | 21100 | 20000 | 5.5 | 35.0 |
| Benzo[k]fluoranthene | Ave | 1.076 | 1.015 | 0.0000 | 18900 | 20000 | -5.7 | 35.0 |
| Benzo[a]pyrene | Lin | 0.9394 | 0.9293 | 0.0000 | 17200 | 20000 | -14.2 | 35.0 |
| Indeno[1,2,3-cd]pyrene | Lin | 0.9578 | 0.9419 | 0.0000 | 17600 | 20000 | -12.2 | 35.0 |
| Dibenz(a,h)anthracene | Ave | 0.9699 | 1.013 | 0.0000 | 20900 | 20000 | 4.4 | 35.0 |
| Benzo[g,h,i]perylene | Ave | 1.010 | 0.9900 | 0.0000 | 19600 | 20000 | -2.0 | 35.0 |
| o-Terphenyl | Ave | 0.5808 | 0.5769 | 0.0000 | 19900 | 20000 | -0.7 | 35.0 |

TestAmerica Laboratories

Semivolatiles 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C042413.b\1CD24014.D
 Lab Smp Id: ICV-1448440
 Inj Date : 24-APR-2013 16:06
 Operator : SCC
 Smp Info : ICV-1448440
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C042413.b\a-bFASTPAHi-m.m
 Meth Date : 24-Apr-2013 16:34 cantins Quant Type: ISTD
 Cal Date : 24-APR-2013 15:47 Cal File: 1CD24013.D
 Als bottle: 10 QC Sample: LCS
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 4.14
 Processing Host: TAM1000

Concentration Formula: Amt * DF * 1/Vi * Vt/Vo * A * B * C * D * CpndVariable

| Name | Value | Description |
|---------------|----------|--|
| DF | 1.000 | Dilution Factor |
| Vi | 1.000 | Injection Volume |
| Vt | 1.000 | Final Volume |
| Vo | 1000.000 | Sample Volume |
| A | 1000.000 | uL to mL conversion |
| B | 1000.000 | mL to L conversion |
| C | 0.00100 | ng to ug conversion |
| D | 1.000 | ug to mg conversion(value = 1= if no con |
| Cpnd Variable | | Local Compound Variable |

| Compounds | QUANT | SIG | MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS | |
|-----------------------|-------|-----|-------|-------|---------|--------|----------|-------------------|--------------|
| | | | | | | | | ON-COLUMN (ug/ml) | FINAL (ug/l) |
| * 1 Naphthalene-d8 | 136 | | 3.633 | 3.634 | (1.000) | 178260 | 40.0000 | | |
| * 6 Acenaphthene-d10 | 164 | | 4.721 | 4.722 | (1.000) | 107629 | 40.0000 | | |
| * 10 Phenanthrene-d10 | 188 | | 5.662 | 5.663 | (1.000) | 194163 | 40.0000 | | |
| \$ 14 o-Terphenyl | 230 | | 5.909 | 5.910 | (1.044) | 56007 | 19.8674 | 19.8674 | |
| * 18 Chrysene-d12 | 240 | | 7.586 | 7.592 | (1.000) | 234167 | 40.0000 | | |
| * 23 Perylene-d12 | 264 | | 8.733 | 8.733 | (1.000) | 247483 | 40.0000 | | |
| 2 Naphthalene | 128 | | 3.645 | 3.646 | (1.003) | 88589 | 18.4847 | 18.4846 | |
| 3 2-Methylnaphthalene | 142 | | 4.074 | 4.075 | (1.121) | 59598 | 19.0345 | 19.0344 | |
| 4 1-Methylnaphthalene | 142 | | 4.133 | 4.134 | (1.138) | 59219 | 20.1145 | 20.1145 | |
| 5 Acenaphthylene | 152 | | 4.633 | 4.634 | (0.981) | 93910 | 17.3093 | 17.3093 | |
| 7 Acenaphthene | 154 | | 4.739 | 4.740 | (1.004) | 56326 | 18.0986 | 18.0986 | |
| 9 Fluorene | 166 | | 5.057 | 5.057 | (1.071) | 68048 | 18.4020 | 18.4019 | |
| 11 Phenanthrene | 178 | | 5.674 | 5.675 | (1.002) | 105627 | 19.8687 | 19.8687 | |
| 12 Anthracene | 178 | | 5.709 | 5.710 | (1.008) | 117820 | 20.3857 | 20.3856 | |
| 13 Carbazole | 167 | | 5.821 | 5.822 | (1.028) | 103644 | 19.3960 | 19.3960 | |
| 15 Fluoranthene | 202 | | 6.504 | 6.504 | (1.149) | 128171 | 19.9448 | 19.9447 | |
| 16 Pyrene | 202 | | 6.668 | 6.675 | (0.879) | 126931 | 18.3539 | 18.3538 | |

| Compounds | QUANT SIG | | CONCENTRATIONS | | | | |
|---------------------------|-----------|--------|----------------|---------|----------|----------------------|------------------|
| | MASS | RT | EXP RT | REL RT | RESPONSE | ON-COLUMN (ug/ml) | FINAL (ug/l) |
| ===== | ==== | ---- | ----- | ----- | ----- | ----- | ----- |
| 17 Benzo(a)anthracene | 228 | 7.580 | 7.581 | (0.999) | 136717 | 21.4934 | 21.4933 |
| 19 Chrysene | 228 | 7.609 | 7.610 | (1.003) | 119178 | 17.8230 | 17.8229 |
| 20 Benzo(b)fluoranthene | 252 | 8.403 | 8.410 | (0.962) | 144465 | 21.1064 | 21.1063 |
| 21 Benzo(k)fluoranthene | 252 | 8.421 | 8.428 | (0.964) | 125583 | 18.8568 | 18.8568 |
| 22 Benzo(a)pyrene | 252 | 8.680 | 8.686 | (0.994) | 114991 | 17.1505 | 17.1504 |
| 24 Indeno(1,2,3-cd)pyrene | 276 | 9.821 | 9.833 | (1.125) | 116552 | 17.5572 | 17.5571(M) |
| 25 Dibenzo(a,h)anthracene | 278 | 9.839 | 9.851 | (1.127) | 125342 | 20.8864 | 20.8864 |
| 26 Benzo(g,h,i)perylene | 276 | 10.150 | 10.163 | (1.162) | 122506 | 19.6045 | 19.6045 |

QC Flag Legend

M - Compound response manually integrated.

Data File: 1CD24014.D

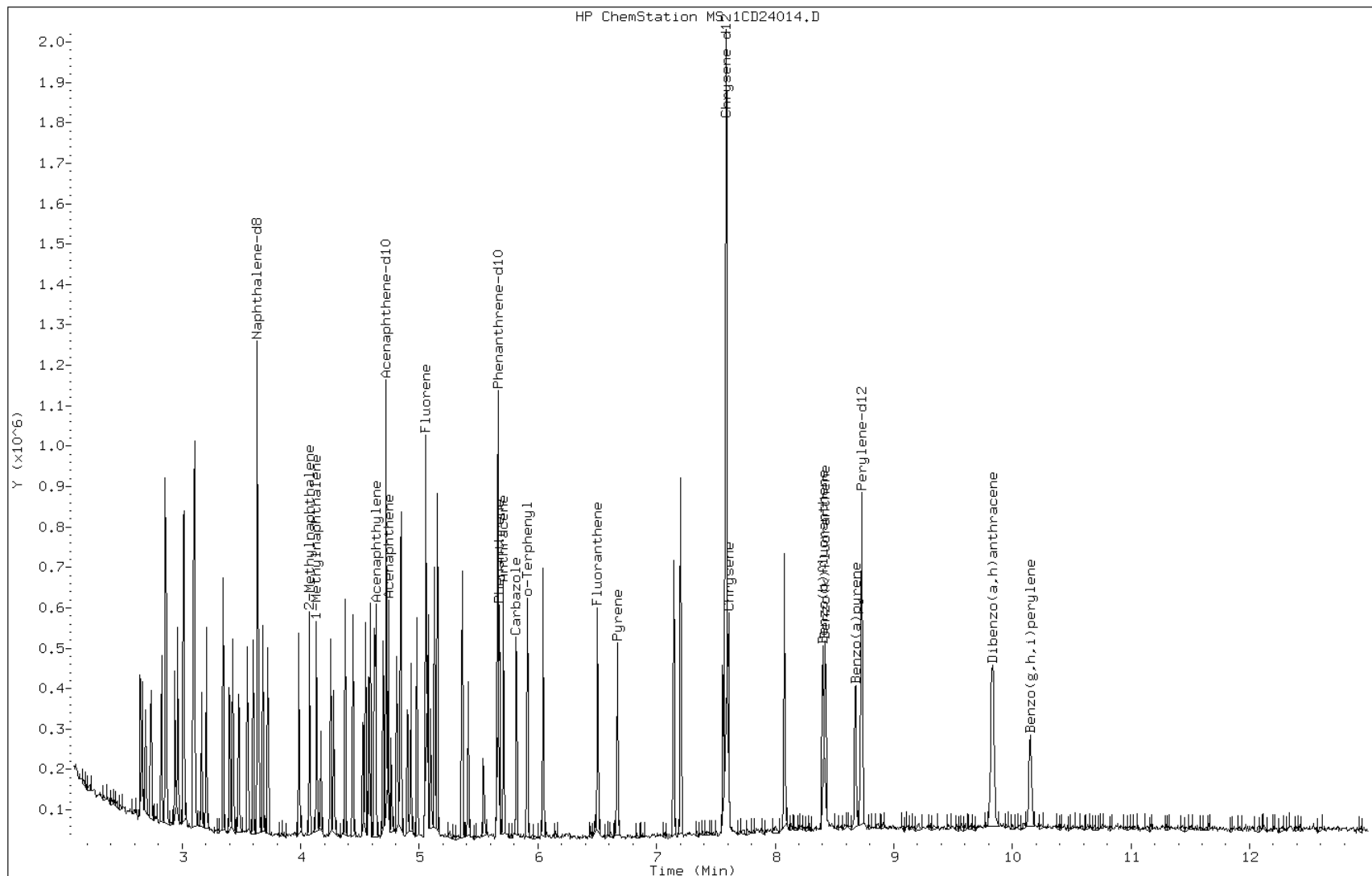
Date: 24-APR-2013 16:06

Client ID:

Instrument: BSMC5973.i

Sample Info: ICV-1448440

Operator: SCC

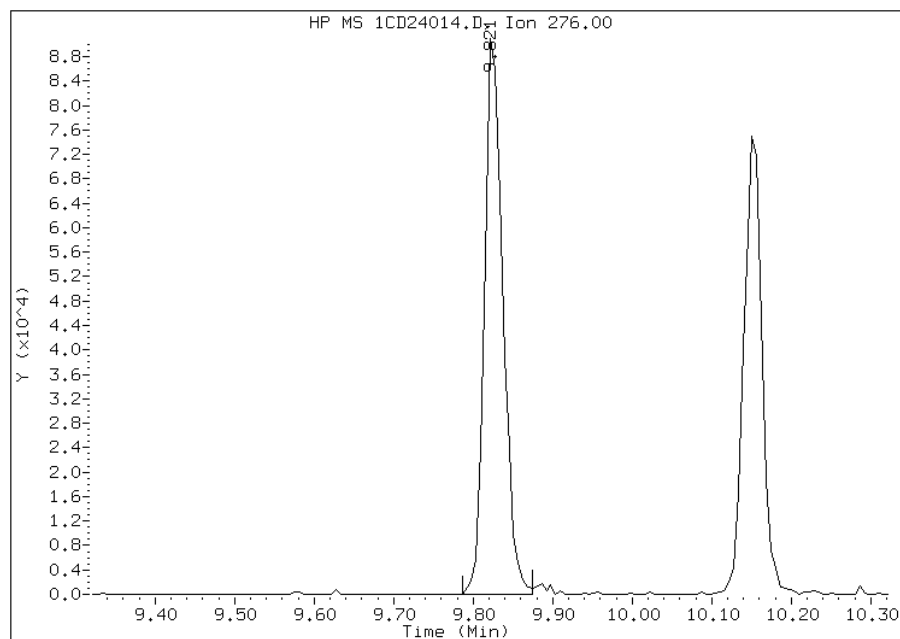


Manual Integration Report

Data File: 1CD24014.D
Inj. Date and Time: 24-APR-2013 16:06
Instrument ID: BSMC5973.i
Client ID:
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/24/2013

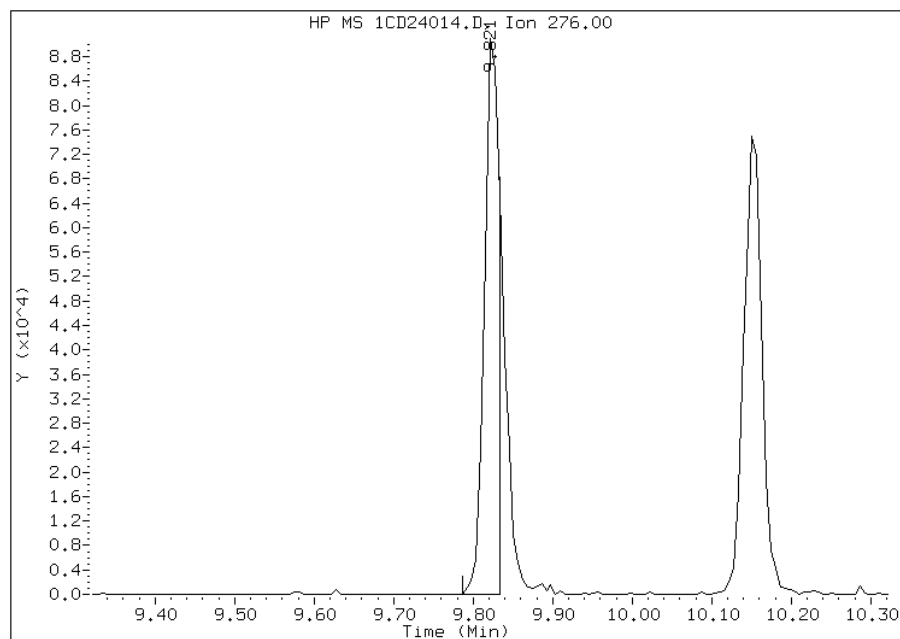
Processing Integration Results

RT: 9.82
Response: 145625
Amount: 22
Conc: 22



Manual Integration Results

RT: 9.82
Response: 116552
Amount: 18
Conc: 18



Manually Integrated By: cantins
Modification Date: 24-Apr-2013 16:35
Manual Integration Reason: Split Peak

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Tampa Job No.: 680-89516-1
 SDG No.: 68089516-1
 Lab Sample ID: ICV 660-136164/22 Calibration Date: 04/04/2013 16:27
 Instrument ID: BSMD5973 Calib Start Date: 04/04/2013 13:49
 GC Column: DB-5MS ID: 250.00 (um) Calib End Date: 04/04/2013 16:04
 Lab File ID: 1DD04014.D Conc. Units: ug/Kg

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|------------------------|------------|---------|--------|---------|-------------|--------------|-------|--------|
| Naphthalene | Ave | 0.9942 | 0.9009 | 0.0000 | 18100 | 20000 | -9.4 | 35.0 |
| 2-Methylnaphthalene | Ave | 0.6418 | 0.5957 | 0.0000 | 18600 | 20000 | -7.2 | 35.0 |
| 1-Methylnaphthalene | Ave | 0.6061 | 0.5697 | 0.0000 | 18800 | 20000 | -6.0 | 35.0 |
| Acenaphthylene | Ave | 1.693 | 1.431 | 0.0000 | 16900 | 20000 | -15.5 | 35.0 |
| Acenaphthene | Ave | 1.045 | 0.8522 | 0.0000 | 16300 | 20000 | -18.5 | 35.0 |
| Fluorene | Ave | 1.238 | 1.099 | 0.0000 | 17800 | 20000 | -11.2 | 35.0 |
| Phenanthrene | Ave | 1.102 | 0.8997 | 0.0000 | 16300 | 20000 | -18.3 | 35.0 |
| Anthracene | Ave | 1.094 | 0.9197 | 0.0000 | 16800 | 20000 | -15.9 | 35.0 |
| Carbazole | Ave | 0.9646 | 0.6860 | 0.0000 | 14200 | 20000 | -28.9 | 35.0 |
| Fluoranthene | Ave | 1.134 | 0.9937 | 0.0000 | 17500 | 20000 | -12.4 | 35.0 |
| Pyrene | Ave | 1.201 | 0.9577 | 0.0000 | 15900 | 20000 | -20.3 | 35.0 |
| Benzo[a]anthracene | Ave | 1.156 | 0.9847 | 0.0000 | 17000 | 20000 | -14.9 | 35.0 |
| Chrysene | Ave | 1.084 | 0.8727 | 0.0000 | 16100 | 20000 | -19.5 | 35.0 |
| Benzo[b]fluoranthene | Ave | 0.999 | 0.8893 | 0.0000 | 17800 | 20000 | -11.0 | 35.0 |
| Benzo[k]fluoranthene | Ave | 1.053 | 0.8752 | 0.0000 | 16600 | 20000 | -16.9 | 35.0 |
| Benzo[a]pyrene | Ave | 1.004 | 0.7657 | 0.0000 | 15300 | 20000 | -23.7 | 35.0 |
| Indeno[1,2,3-cd]pyrene | Ave | 1.071 | 0.8560 | 0.0000 | 16000 | 20000 | -20.0 | 35.0 |
| Dibenz(a,h)anthracene | Ave | 1.008 | 0.9464 | 0.0000 | 18800 | 20000 | -6.1 | 35.0 |
| Benzo[g,h,i]perylene | Ave | 1.031 | 0.8761 | 0.0000 | 17000 | 20000 | -15.0 | 35.0 |
| o-Terphenyl | Ave | 0.6027 | 0.4989 | 0.0000 | 16600 | 20000 | -17.2 | 35.0 |

TestAmerica Laboratories

Semivolatile 8270 low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMSD.i\1D040413.b\1DD04014.D
 Lab Smp Id: ICV-1448440
 Inj Date : 04-APR-2013 16:27
 Operator : SCC Inst ID: BSMSD.i
 Smp Info : ICV-1448440
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMSD.i\1D040413.b\dFASTPAHi.m
 Meth Date : 05-Apr-2013 13:07 cantins Quant Type: ISTD
 Cal Date : 04-APR-2013 16:04 Cal File: 1DD04013.D
 Als bottle: 12 QC Sample: LCS
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

Concentration Formula: Amt * DF * 1/Vi * Vt/Vo * A * B * C * D * CpndVariable

| Name | Value | Description |
|---------------|----------|--|
| DF | 1.000 | Dilution Factor |
| Vi | 1.000 | Injection Volume |
| Vt | 1.000 | Final Volume |
| Vo | 1000.000 | Sample Volume |
| A | 1000.000 | uL to mL conversion |
| B | 1000.000 | mL to L conversion |
| C | 0.00100 | ng to ug conversion |
| D | 1.000 | ug to mg conversion(value = 1= if no con |
| Cpnd Variable | | Local Compound Variable |

| Compounds | QUANT | SIG | MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS | |
|-----------------------|-------|-----|--------|--------|---------|---------|----------|-------------------|---------------|
| | | | | | | | | ON-COLUMN (ug/l) | FINAL (ug/l) |
| * 1 Naphthalene-d8 | 136 | | 6.096 | 6.090 | (1.000) | 3619899 | 40.0000 | | |
| * 6 Acenaphthene-d10 | 164 | | 7.771 | 7.770 | (1.000) | 2333423 | 40.0000 | | |
| * 9 Phenanthrene-d10 | 188 | | 9.028 | 9.028 | (1.000) | 3845474 | 40.0000 | | |
| \$ 13 o-Terphenyl | 230 | | 9.334 | 9.339 | (1.034) | 959307 | 16.5566 | 16 | |
| * 17 Chrysene-d12 | 240 | | 11.349 | 11.349 | (1.000) | 3963674 | 40.0000 | | |
| * 22 Perylene-d12 | 264 | | 13.182 | 13.176 | (1.000) | 3958481 | 40.0000 | | |
| 2 Naphthalene | 128 | | 6.114 | 6.114 | (1.003) | 1630598 | 18.1229 | 18 | |
| 3 2-Methylnaphthalene | 142 | | 6.819 | 6.819 | (1.119) | 1078163 | 18.5630 | 18 | |
| 4 1-Methylnaphthalene | 142 | | 6.913 | 6.913 | (1.134) | 1031118 | 18.7992 | 19 | |
| 5 Acenaphthylene | 152 | | 7.642 | 7.641 | (0.983) | 1669244 | 16.9019 | 17 | |
| 7 Acenaphthene | 154 | | 7.800 | 7.800 | (1.004) | 994282 | 16.3100 | 16 | |
| 8 Fluorene | 166 | | 8.241 | 8.240 | (1.060) | 1281905 | 17.7572 | 18 | |
| 10 Phenanthrene | 178 | | 9.046 | 9.051 | (1.002) | 1729949 | 16.3322 | 16 | |
| 11 Anthracene | 178 | | 9.087 | 9.092 | (1.007) | 1768381 | 16.8207 | 17 | |
| 12 Carbazole | 167 | | 9.228 | 9.233 | (1.022) | 1319041 | 14.2242 | 14(M) | |
| 14 Fluoranthene | 202 | | 10.027 | 10.032 | (1.111) | 1910613 | 17.5287 | 18 | |
| 15 Pyrene | 202 | | 10.215 | 10.220 | (0.900) | 1898084 | 15.9464 | 16 | |

| Compounds | QUANT SIG | | CONCENTRATIONS | | | | |
|---------------------------|-----------|--------|----------------|---------|----------|----------------------|------------------|
| | MASS | RT | EXP RT | REL RT | RESPONSE | ON-COLUMN (ug/l) | FINAL (ug/l) |
| ----- | ---- | ---- | ----- | ----- | ----- | ----- | ----- |
| 16 Benzo(a)anthracene | 228 | 11.325 | 11.325 | (0.998) | 1951469 | 17.0289 | 17 |
| 18 Chrysene | 228 | 11.372 | 11.378 | (1.002) | 1729613 | 16.0966 | 16 |
| 19 Benzo(b)fluoranthene | 252 | 12.630 | 12.635 | (0.958) | 1760131 | 17.8000 | 18 |
| 20 Benzo(k)fluoranthene | 252 | 12.671 | 12.682 | (0.961) | 1732123 | 16.6271 | 17 |
| 21 Benzo(a)pyrene | 252 | 13.076 | 13.094 | (0.992) | 1515587 | 15.2542 | 15 |
| 23 Indeno(1,2,3-cd)pyrene | 276 | 14.763 | 14.786 | (1.120) | 1694283 | 15.9925 | 16(M) |
| 24 Dibenzo(a,h)anthracene | 278 | 14.798 | 14.827 | (1.123) | 1873209 | 18.7764 | 19 |
| 25 Benzo(g,h,i)perylene | 276 | 15.215 | 15.238 | (1.154) | 1734029 | 16.9990 | 17(H) |

QC Flag Legend

- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

Data File: 1DD04014.D

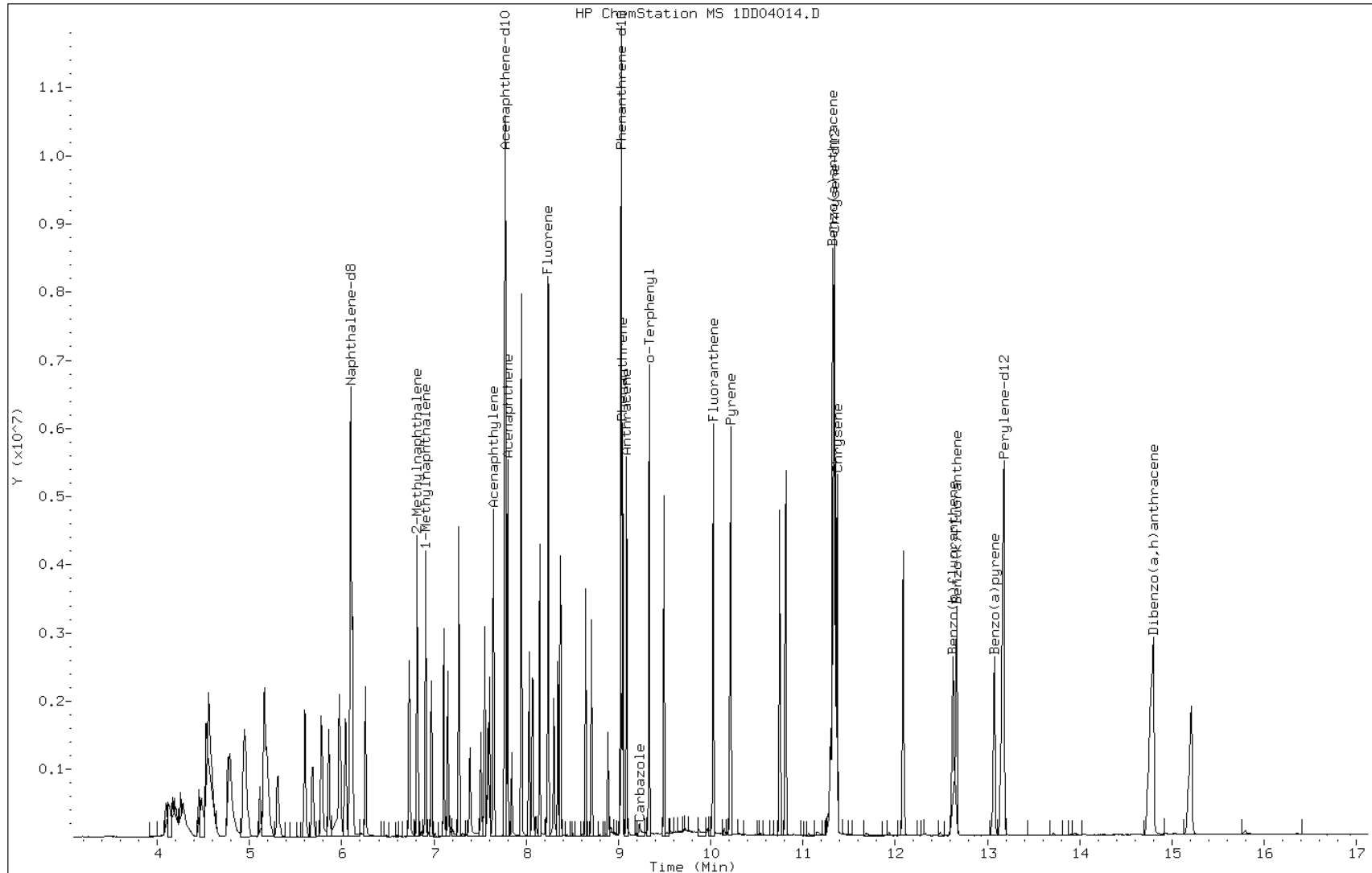
Date: 04-APR-2013 16:27

Client ID:

Instrument: BSMSD.i

Sample Info: ICV-1448440

Operator: SCC

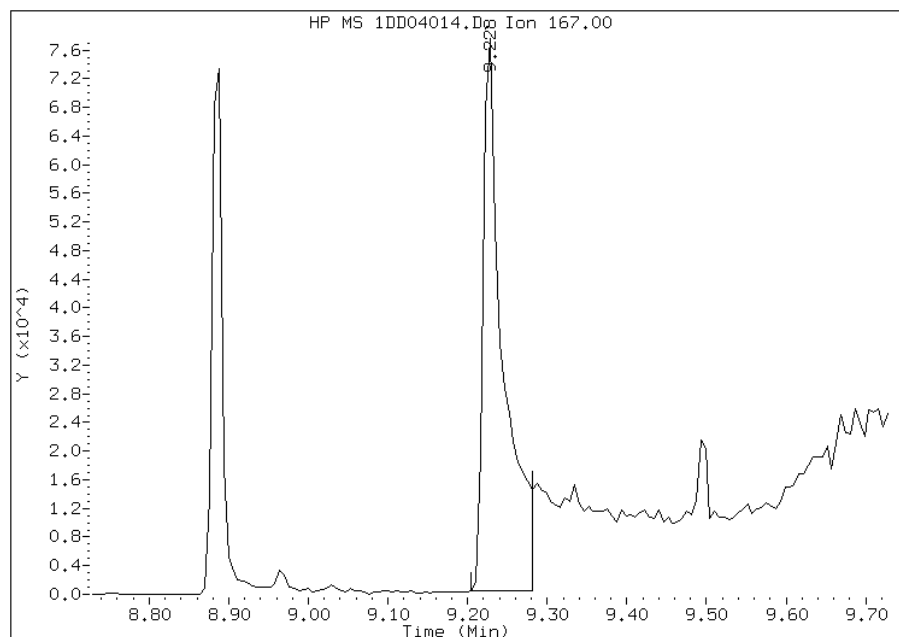


Manual Integration Report

Data File: 1DD04014.D
Inj. Date and Time: 04-APR-2013 16:27
Instrument ID: BSMSD.i
Client ID:
Compound: 12 Carbazole
CAS #: 86-74-8
Report Date: 04/05/2013

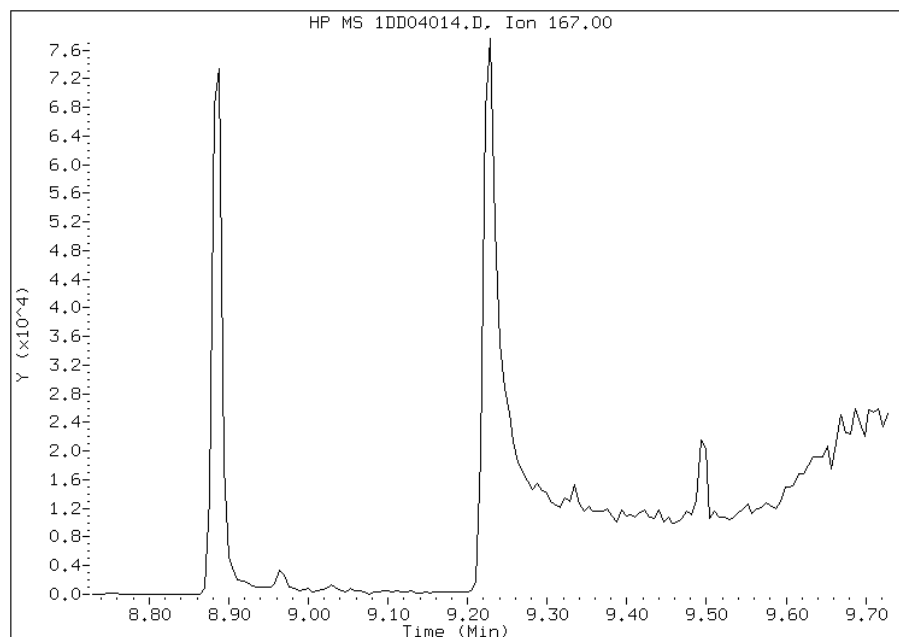
Processing Integration Results

RT: 9.23
Response: 136620
Amount: 1
Conc: 1



Manual Integration Results

RT: 9.23
Response: 1319041
Amount: 14
Conc: 14



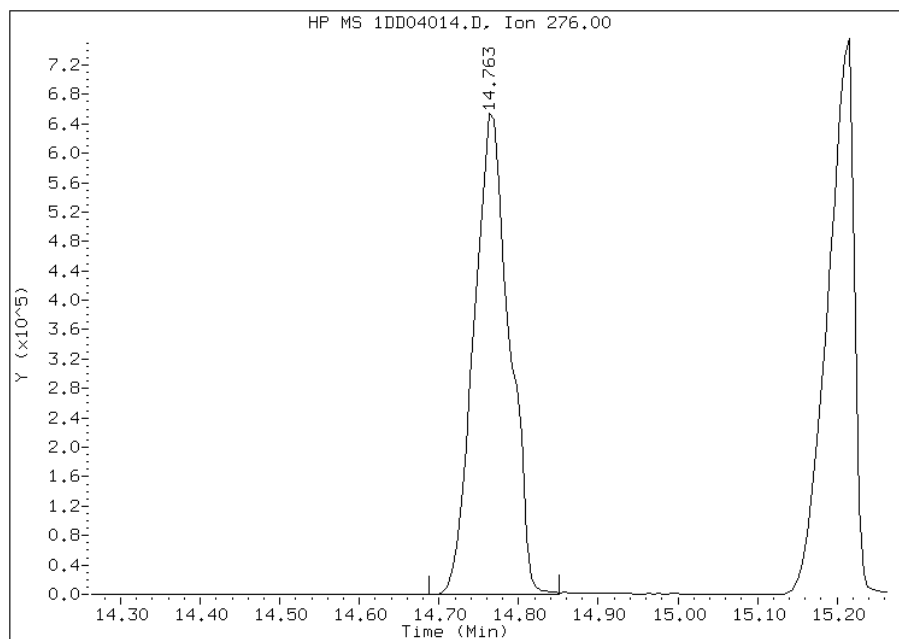
Manually Integrated By: cantins
Modification Date: 05-Apr-2013 13:08
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1DD04014.D
Inj. Date and Time: 04-APR-2013 16:27
Instrument ID: BSMDS.i
Client ID:
Compound: 23 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/05/2013

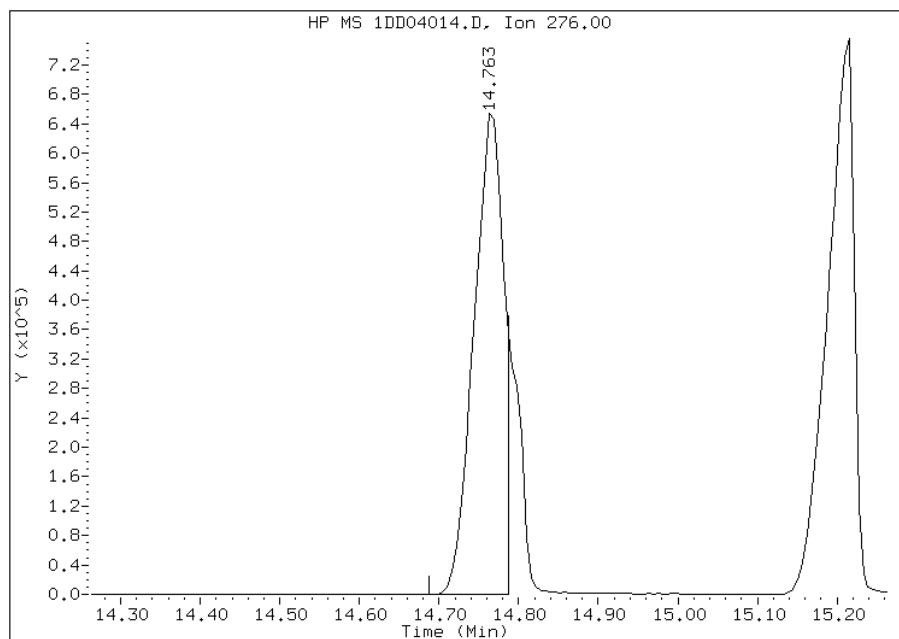
Processing Integration Results

RT: 14.76
Response: 2024721
Amount: 19
Conc: 19



Manual Integration Results

RT: 14.76
Response: 1694283
Amount: 16
Conc: 16



Manually Integrated By: cantins
Modification Date: 05-Apr-2013 13:09
Manual Integration Reason: Split Peak

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Tampa Job No.: 680-89516-1
 SDG No.: 68089516-1
 Lab Sample ID: CCVIS 660-136826/3 Calibration Date: 04/24/2013 12:46
 Instrument ID: BSMD5973 Calib Start Date: 04/04/2013 13:49
 GC Column: DB-5MS ID: 250.00 (um) Calib End Date: 04/04/2013 16:04
 Lab File ID: 1DD24003.D Conc. Units: ug/Kg

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|------------------------|------------|---------|--------|---------|-------------|--------------|------|--------|
| Naphthalene | Ave | 0.9942 | 0.9843 | 0.0000 | 19800 | 20000 | -1.0 | 20.0 |
| 2-Methylnaphthalene | Ave | 0.6418 | 0.6520 | 0.0000 | 20300 | 20000 | 1.6 | 20.0 |
| 1-Methylnaphthalene | Ave | 0.6061 | 0.6079 | 0.0000 | 20100 | 20000 | 0.3 | 20.0 |
| Acenaphthylene | Ave | 1.693 | 1.701 | 0.0000 | 20100 | 20000 | 0.5 | 20.0 |
| Acenaphthene | Ave | 1.045 | 1.013 | 0.0000 | 19400 | 20000 | -3.0 | 20.0 |
| Fluorene | Ave | 1.238 | 1.211 | 0.0000 | 19600 | 20000 | -2.1 | 20.0 |
| Phenanthrene | Ave | 1.102 | 1.090 | 0.0000 | 19800 | 20000 | -1.1 | 20.0 |
| Anthracene | Ave | 1.094 | 1.104 | 0.0000 | 20200 | 20000 | 0.9 | 20.0 |
| Carbazole | Ave | 0.9646 | 0.9520 | 0.0000 | 19700 | 20000 | -1.3 | 20.0 |
| Fluoranthene | Ave | 1.134 | 1.150 | 0.0000 | 20300 | 20000 | 1.4 | 20.0 |
| Pyrene | Ave | 1.201 | 1.188 | 0.0000 | 19800 | 20000 | -1.1 | 20.0 |
| Benzo[a]anthracene | Ave | 1.156 | 1.048 | 0.0000 | 18100 | 20000 | -9.4 | 20.0 |
| Chrysene | Ave | 1.084 | 1.041 | 0.0000 | 19200 | 20000 | -4.0 | 20.0 |
| Benzo[b]fluoranthene | Ave | 0.999 | 1.025 | 0.0000 | 20500 | 20000 | 2.5 | 20.0 |
| Benzo[k]fluoranthene | Ave | 1.053 | 1.002 | 0.0000 | 19000 | 20000 | -4.8 | 20.0 |
| Benzo[a]pyrene | Ave | 1.004 | 0.996 | 0.0000 | 19800 | 20000 | -0.8 | 20.0 |
| Indeno[1,2,3-cd]pyrene | Ave | 1.071 | 1.052 | 0.0000 | 19700 | 20000 | -1.7 | 20.0 |
| Dibenz(a,h)anthracene | Ave | 1.008 | 0.9940 | 0.0000 | 19700 | 20000 | -1.4 | 20.0 |
| Benzo[g,h,i]perylene | Ave | 1.031 | 1.007 | 0.0000 | 19500 | 20000 | -2.3 | 20.0 |
| o-Terphenyl | Ave | 0.6027 | 0.6143 | 0.0000 | 20400 | 20000 | 1.9 | 20.0 |

TestAmerica Laboratories

Semivolatiles 8270 low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMSD.i\1D042413.b\1DD24003.D
 Lab Smp Id: CCV-1531401
 Inj Date : 24-APR-2013 12:46
 Operator : SCC Inst ID: BSMSD.i
 Smp Info : CCV-1531401
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMSD.i\1D042413.b\dfASTPAHi.m
 Meth Date : 24-Apr-2013 13:05 cantins Quant Type: ISTD
 Cal Date : 04-APR-2013 16:04 Cal File: 1DD04013.D
 Als bottle: 3 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

| Compounds | QUANT SIG | | | | | AMOUNTS | |
|---------------------------|-----------|--------|--------|---------|----------|--------------------|-------------------|
| | MASS | RT | EXP RT | REL RT | RESPONSE | CAL-AMT (ug/l) | ON-COL (ug/l) |
| * 1 Naphthalene-d8 | 136 | 6.049 | 6.049 | (1.000) | 2248073 | 40.0000 | (H) |
| * 6 Acenaphthene-d10 | 164 | 7.730 | 7.730 | (1.000) | 1360336 | 40.0000 | |
| * 9 Phenanthrene-d10 | 188 | 8.993 | 8.993 | (1.000) | 2236773 | 40.0000 | |
| \$ 13 o-Terphenyl | 230 | 9.298 | 9.298 | (1.034) | 686999 | 20.0000 | 20 |
| * 17 Chrysene-d12 | 240 | 11.302 | 11.302 | (1.000) | 2287204 | 40.0000 | (H) |
| * 22 Perylene-d12 | 264 | 13.123 | 13.123 | (1.000) | 2285243 | 40.0000 | (H) |
| 2 Naphthalene | 128 | 6.073 | 6.073 | (1.004) | 1106362 | 20.0000 | 20(H) |
| 3 2-Methylnaphthalene | 142 | 6.778 | 6.778 | (1.120) | 732819 | 20.0000 | 20(H) |
| 4 1-Methylnaphthalene | 142 | 6.872 | 6.872 | (1.136) | 683316 | 20.0000 | 20(H) |
| 5 Acenaphthylene | 152 | 7.600 | 7.600 | (0.983) | 1156826 | 20.0000 | 20 |
| 7 Acenaphthene | 154 | 7.759 | 7.759 | (1.004) | 689345 | 20.0000 | 19 |
| 8 Fluorene | 166 | 8.200 | 8.200 | (1.061) | 823682 | 20.0000 | 20 |
| 10 Phenanthrene | 178 | 9.010 | 9.010 | (1.002) | 1218790 | 20.0000 | 20 |
| 11 Anthracene | 178 | 9.052 | 9.052 | (1.007) | 1234412 | 20.0000 | 20 |
| 12 Carbazole | 167 | 9.193 | 9.193 | (1.022) | 1064684 | 20.0000 | 20 |
| 14 Fluoranthene | 202 | 9.997 | 9.997 | (1.112) | 1285768 | 20.0000 | 20 |
| 15 Pyrene | 202 | 10.185 | 10.185 | (0.901) | 1358518 | 20.0000 | 20(H) |
| 16 Benzo(a)anthracene | 228 | 11.284 | 11.284 | (0.998) | 1198684 | 20.0000 | 18(H) |
| 18 Chrysene | 228 | 11.331 | 11.331 | (1.003) | 1189923 | 20.0000 | 19(H) |
| 19 Benzo(b)fluoranthene | 252 | 12.583 | 12.583 | (0.959) | 1170718 | 20.0000 | 20(H) |
| 20 Benzo(k)fluoranthene | 252 | 12.618 | 12.618 | (0.961) | 1145013 | 20.0000 | 19(H) |
| 21 Benzo(a)pyrene | 252 | 13.029 | 13.029 | (0.993) | 1138342 | 20.0000 | 20(H) |
| 23 Indeno(1,2,3-cd)pyrene | 276 | 14.710 | 14.710 | (1.121) | 1202370 | 20.0000 | 20(MH) |
| 24 Dibenzo(a,h)anthracene | 278 | 14.733 | 14.733 | (1.123) | 1135731 | 20.0000 | 20(H) |
| 25 Benzo(g,h,i)perylene | 276 | 15.150 | 15.150 | (1.154) | 1150367 | 20.0000 | 20(H) |

QC Flag Legend

M - Compound response manually integrated.
 H - Operator selected an alternate compound hit.

Data File: 1DD24003.D

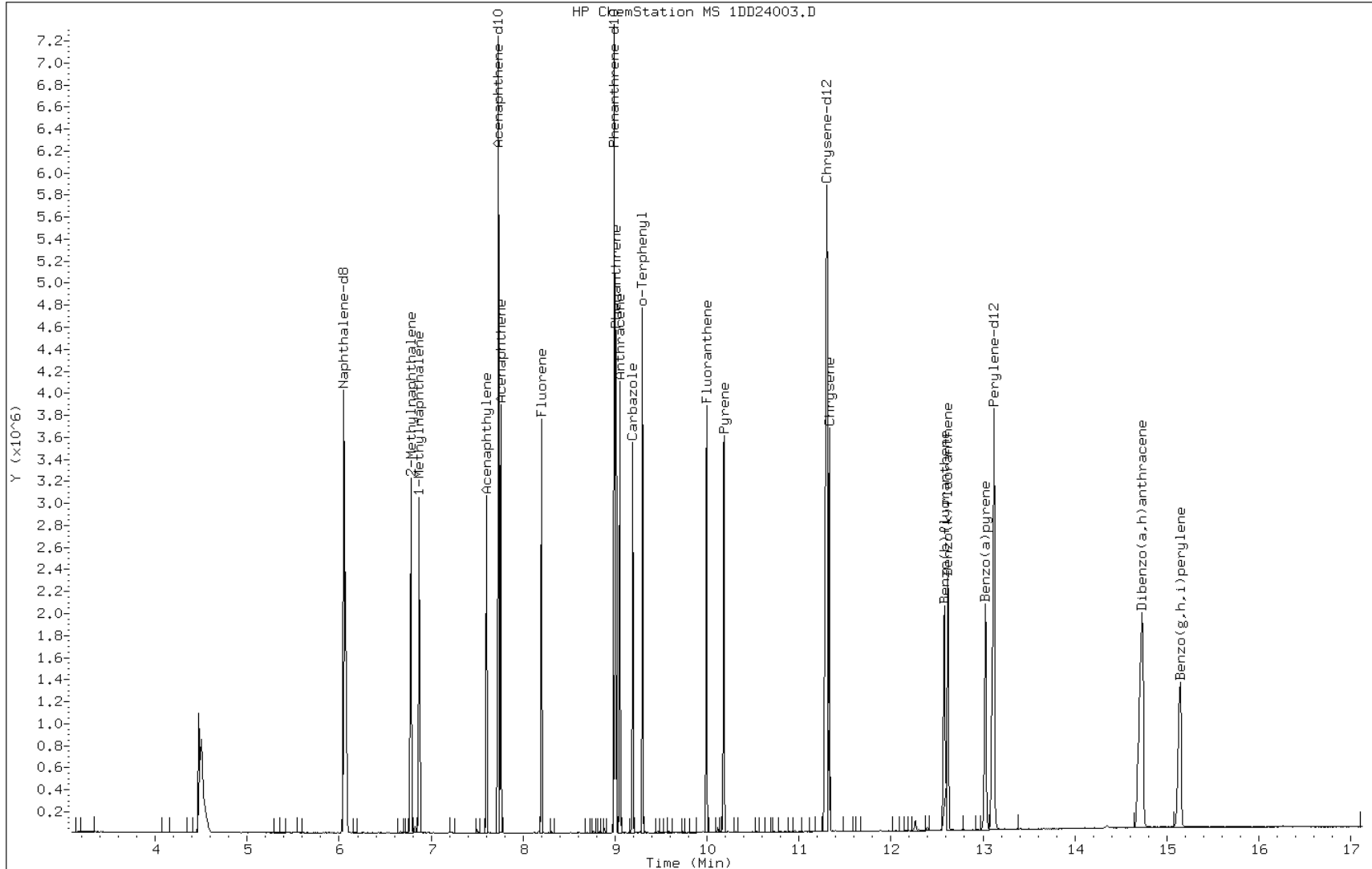
Date: 24-APR-2013 12:46

Client ID:

Instrument: BSMSD.i

Sample Info: CCV-1531401

Operator: SCC

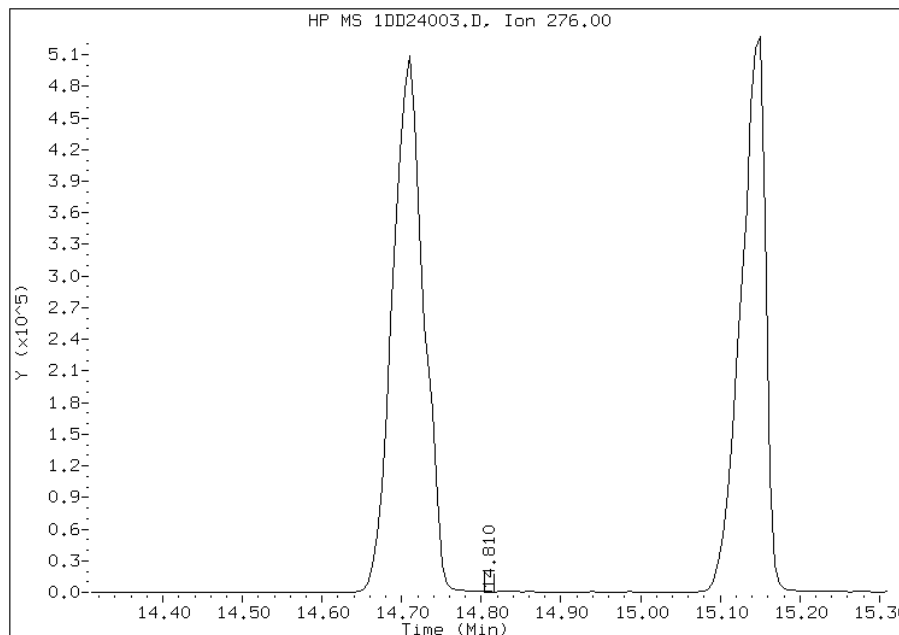


Manual Integration Report

Data File: 1DD24003.D
Inj. Date and Time: 24-APR-2013 12:46
Instrument ID: BSMSD.i
Client ID:
Compound: 23 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/25/2013

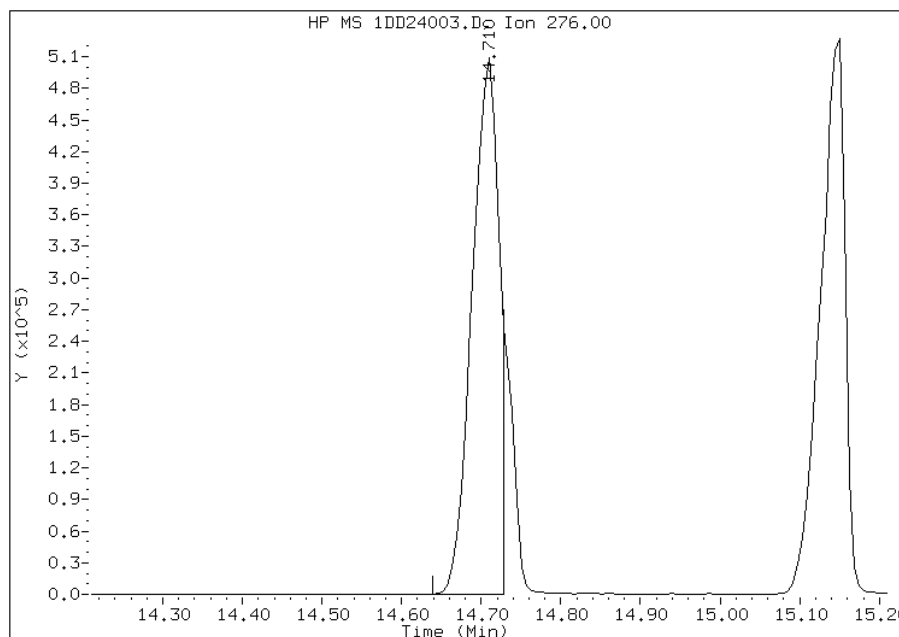
Processing Integration Results

RT: 14.81
Response: 268
Amount: 0
Conc: 0



Manual Integration Results

RT: 14.71
Response: 1202370
Amount: 20
Conc: 20



Manually Integrated By: cantins
Modification Date: 24-Apr-2013 13:06
Manual Integration Reason: Split Peak

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Tampa Job No.: 680-89516-1
 SDG No.: 68089516-1
 Lab Sample ID: CCVIS 660-136899/3 Calibration Date: 04/25/2013 12:21
 Instrument ID: BSMD5973 Calib Start Date: 04/04/2013 13:49
 GC Column: DB-5MS ID: 250.00 (um) Calib End Date: 04/04/2013 16:04
 Lab File ID: 1DD25003.D Conc. Units: ug/Kg

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|------------------------|------------|---------|--------|---------|-------------|--------------|-------|--------|
| Naphthalene | Ave | 0.9942 | 0.9883 | 0.0000 | 19900 | 20000 | -0.6 | 20.0 |
| 2-Methylnaphthalene | Ave | 0.6418 | 0.6574 | 0.0000 | 20500 | 20000 | 2.4 | 20.0 |
| 1-Methylnaphthalene | Ave | 0.6061 | 0.6191 | 0.0000 | 20400 | 20000 | 2.2 | 20.0 |
| Acenaphthylene | Ave | 1.693 | 1.686 | 0.0000 | 19900 | 20000 | -0.4 | 20.0 |
| Acenaphthene | Ave | 1.045 | 1.020 | 0.0000 | 19500 | 20000 | -2.4 | 20.0 |
| Fluorene | Ave | 1.238 | 1.222 | 0.0000 | 19700 | 20000 | -1.3 | 20.0 |
| Phenanthrene | Ave | 1.102 | 1.066 | 0.0000 | 19300 | 20000 | -3.3 | 20.0 |
| Anthracene | Ave | 1.094 | 1.073 | 0.0000 | 19600 | 20000 | -1.9 | 20.0 |
| Carbazole | Ave | 0.9646 | 0.9154 | 0.0000 | 19000 | 20000 | -5.1 | 20.0 |
| Fluoranthene | Ave | 1.134 | 1.135 | 0.0000 | 20000 | 20000 | 0.1 | 20.0 |
| Pyrene | Ave | 1.201 | 1.150 | 0.0000 | 19100 | 20000 | -4.3 | 20.0 |
| Benzo[a]anthracene | Ave | 1.156 | 1.041 | 0.0000 | 18000 | 20000 | -10.0 | 20.0 |
| Chrysene | Ave | 1.084 | 1.030 | 0.0000 | 19000 | 20000 | -5.1 | 20.0 |
| Benzo[b]fluoranthene | Ave | 0.999 | 0.997 | 0.0000 | 20000 | 20000 | -0.2 | 20.0 |
| Benzo[k]fluoranthene | Ave | 1.053 | 1.014 | 0.0000 | 19300 | 20000 | -3.7 | 20.0 |
| Benzo[a]pyrene | Ave | 1.004 | 0.998 | 0.0000 | 19900 | 20000 | -0.6 | 20.0 |
| Indeno[1,2,3-cd]pyrene | Ave | 1.071 | 1.103 | 0.0000 | 20600 | 20000 | 3.0 | 20.0 |
| Dibenz(a,h)anthracene | Ave | 1.008 | 1.005 | 0.0000 | 19900 | 20000 | -0.3 | 20.0 |
| Benzo[g,h,i]perylene | Ave | 1.031 | 0.995 | 0.0000 | 19300 | 20000 | -3.5 | 20.0 |
| o-Terphenyl | Ave | 0.6027 | 0.6194 | 0.0000 | 20600 | 20000 | 2.8 | 20.0 |

TestAmerica Laboratories

Semivolatile 8270 low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMSD.i\1D042513.b\1DD25003.D
 Lab Smp Id: CCV-1531401
 Inj Date : 25-APR-2013 12:21
 Operator : SCC Inst ID: BSMSD.i
 Smp Info : CCV-1531401
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMSD.i\1D042513.b\dFASTPAHi.m
 Meth Date : 25-Apr-2013 12:42 cantins Quant Type: ISTD
 Cal Date : 04-APR-2013 16:04 Cal File: 1DD04013.D
 Als bottle: 3 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

| Compounds | QUANT SIG | | | | | AMOUNTS | |
|---------------------------|-----------|--------|--------|---------|----------|--------------------|-------------------|
| | MASS | RT | EXP RT | REL RT | RESPONSE | CAL-AMT (ug/l) | ON-COL (ug/l) |
| * 1 Naphthalene-d8 | 136 | 6.049 | 6.049 | (1.000) | 2587448 | 40.0000 | (H) |
| * 6 Acenaphthene-d10 | 164 | 7.729 | 7.729 | (1.000) | 1623254 | 40.0000 | (H) |
| * 9 Phenanthrene-d10 | 188 | 8.992 | 8.992 | (1.000) | 2764849 | 40.0000 | (H) |
| \$ 13 o-Terphenyl | 230 | 9.298 | 9.298 | (1.034) | 856236 | 20.0000 | 20(H) |
| * 17 Chrysene-d12 | 240 | 11.307 | 11.307 | (1.000) | 2901859 | 40.0000 | (H) |
| * 22 Perylene-d12 | 264 | 13.129 | 13.129 | (1.000) | 2857822 | 40.0000 | (H) |
| 2 Naphthalene | 128 | 6.072 | 6.072 | (1.004) | 1278561 | 20.0000 | 20(H) |
| 3 2-Methylnaphthalene | 142 | 6.777 | 6.777 | (1.120) | 850536 | 20.0000 | 20(H) |
| 4 1-Methylnaphthalene | 142 | 6.871 | 6.871 | (1.136) | 800965 | 20.0000 | 20(H) |
| 5 Acenaphthylene | 152 | 7.600 | 7.600 | (0.983) | 1368204 | 20.0000 | 20(H) |
| 7 Acenaphthene | 154 | 7.759 | 7.759 | (1.004) | 827830 | 20.0000 | 20 |
| 8 Fluorene | 166 | 8.199 | 8.199 | (1.061) | 991453 | 20.0000 | 20(H) |
| 10 Phenanthrene | 178 | 9.010 | 9.010 | (1.002) | 1473269 | 20.0000 | 19(H) |
| 11 Anthracene | 178 | 9.051 | 9.051 | (1.007) | 1483247 | 20.0000 | 20(H) |
| 12 Carbazole | 167 | 9.192 | 9.192 | (1.022) | 1265481 | 20.0000 | 19(H) |
| 14 Fluoranthene | 202 | 9.997 | 9.997 | (1.112) | 1569310 | 20.0000 | 20(H) |
| 15 Pyrene | 202 | 10.185 | 10.185 | (0.901) | 1668426 | 20.0000 | 19(H) |
| 16 Benzo(a)anthracene | 228 | 11.284 | 11.284 | (0.998) | 1510238 | 20.0000 | 18(H) |
| 18 Chrysene | 228 | 11.331 | 11.331 | (1.002) | 1493747 | 20.0000 | 19(H) |
| 19 Benzo(b)fluoranthene | 252 | 12.582 | 12.582 | (0.958) | 1424360 | 20.0000 | 20(H) |
| 20 Benzo(k)fluoranthene | 252 | 12.623 | 12.623 | (0.962) | 1448576 | 20.0000 | 19(H) |
| 21 Benzo(a)pyrene | 252 | 13.035 | 13.035 | (0.993) | 1426465 | 20.0000 | 20(H) |
| 23 Indeno(1,2,3-cd)pyrene | 276 | 14.715 | 14.715 | (1.121) | 1575777 | 20.0000 | 21(MH) |
| 24 Dibenzo(a,h)anthracene | 278 | 14.744 | 14.744 | (1.123) | 1436245 | 20.0000 | 20(H) |
| 25 Benzo(g,h,i)perylene | 276 | 15.156 | 15.156 | (1.154) | 1421842 | 20.0000 | 19(H) |

QC Flag Legend

M - Compound response manually integrated.
 H - Operator selected an alternate compound hit.

Data File: 1DD25003.D

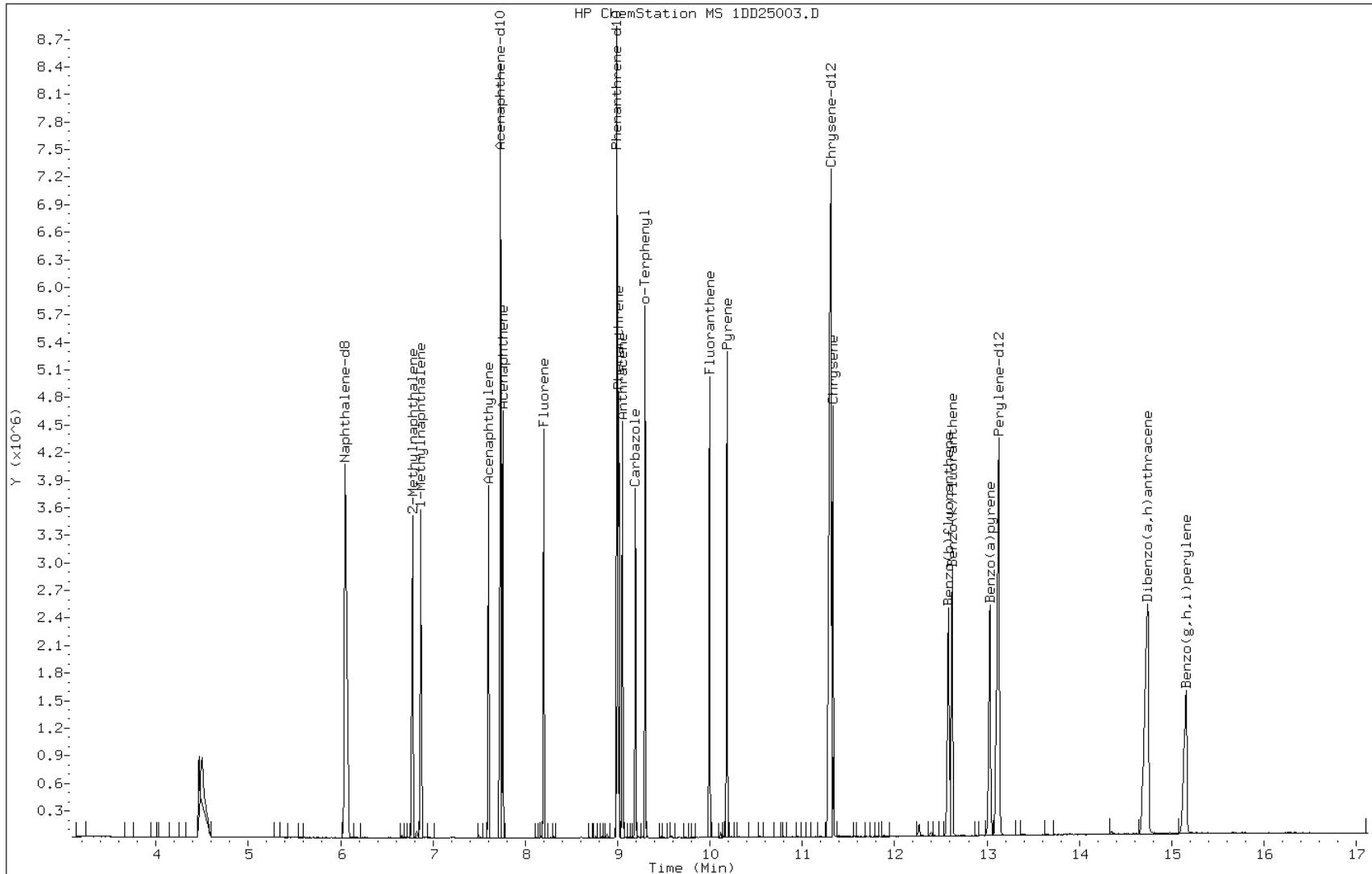
Date: 25-APR-2013 12:21

Client ID:

Instrument: BSMSD.i

Sample Info: CCV-1531401

Operator: SCC

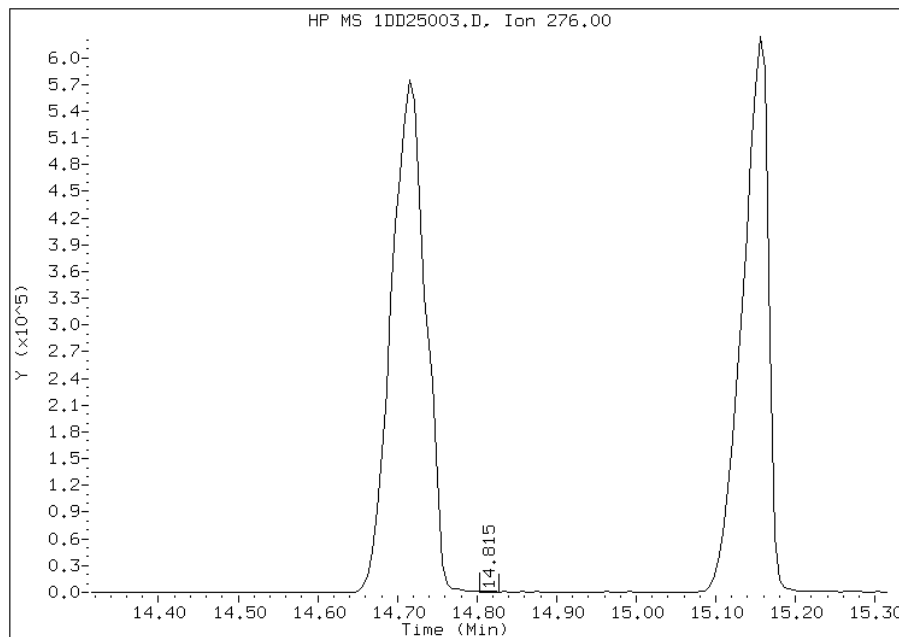


Manual Integration Report

Data File: 1DD25003.D
Inj. Date and Time: 25-APR-2013 12:21
Instrument ID: BSMSD.i
Client ID:
Compound: 23 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/26/2013

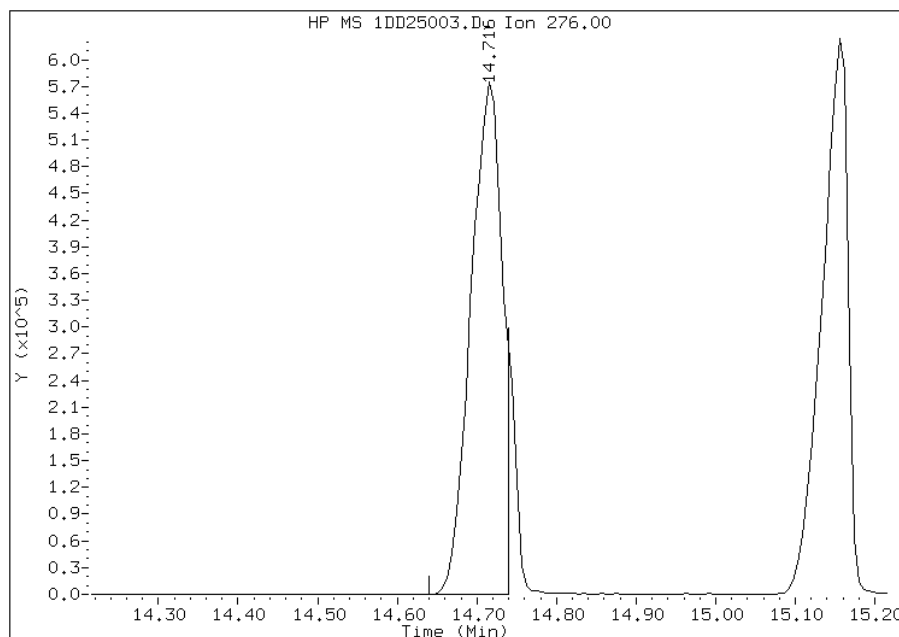
Processing Integration Results

RT: 14.82
Response: 836
Amount: 0
Conc: 0



Manual Integration Results

RT: 14.72
Response: 1575777
Amount: 21
Conc: 21



Manually Integrated By: cantins
Modification Date: 25-Apr-2013 12:44
Manual Integration Reason: Split Peak

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Data file : \\tam-chemsvr\chem\SM\BSMA5973.i\1A042613.b\1AD26002.D
 Lab Smp Id: DFTPP Client Smp ID: DFTPP
 Inj Date : 26-APR-2013 09:50
 Operator : SCC Inst ID: BSMA5973.i
 Smp Info : DFTPP-1525851
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMA5973.i\1A042613.b\a-dftpp198.m
 Meth Date : 04-Apr-2013 10:35 cantins Quant Type: ESTD
 Cal Date : Cal File:
 Als bottle: 2 QC Sample: DFTPP
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 4.14 Sample Matrix: None
 Processing Host: TAM1000

| CONCENTRATIONS | | | | | | | | | |
|----------------|--------|--------|------|----------|------------------|---------|--------|-------|--------|
| ON-COL FINAL | | | | | | | | | |
| RT | EXP RT | DLT RT | MASS | RESPONSE | (ug/L) | (ug/L) | TARGET | RANGE | RATIO |
| ==== | ===== | ===== | ==== | ===== | ===== | ===== | ===== | ===== | ===== |
| 1 dftpp | | | | | CAS #: 5074-71-5 | | | | |
| 4.935 | 4.963 | -0.028 | 198 | 121536 | | | 50.00- | 0.00 | 100.00 |
| 4.935 | 4.963 | -0.028 | 51 | 38720 | | | 10.00- | 80.00 | 31.86 |
| 4.935 | 4.963 | -0.028 | 68 | 0 | 0.0 | 0.0 | 0.00- | 2.00 | 0.00 |
| 4.935 | 4.963 | -0.028 | 69 | 36384 | | | 0.00- | 0.00 | 29.94 |
| 4.935 | 4.963 | -0.028 | 70 | 323 | | | 0.00- | 2.00 | 0.89 |
| 4.935 | 4.963 | -0.028 | 127 | 46488 | | | 10.00- | 80.00 | 38.25 |
| 4.935 | 4.963 | -0.028 | 197 | 0 | 0.0 | 0.0 | 0.00- | 2.00 | 0.00 |
| 4.935 | 4.963 | -0.028 | 442 | 102376 | | | 50.00- | 0.00 | 84.24 |
| 4.935 | 4.963 | -0.028 | 199 | 6667 | | | 5.00- | 9.00 | 5.49 |
| 4.935 | 4.963 | -0.028 | 275 | 30992 | | | 10.00- | 60.00 | 25.50 |
| 4.935 | 4.963 | -0.028 | 365 | 3993 | | | 1.00- | 0.00 | 3.29 |
| 4.935 | 4.963 | -0.028 | 441 | 14043 | | | 0.01- | 99.99 | 74.57 |
| 4.935 | 4.963 | -0.028 | 443 | 18832 | | | 15.00- | 24.00 | 18.39 |

Data File: 1AD26002.D

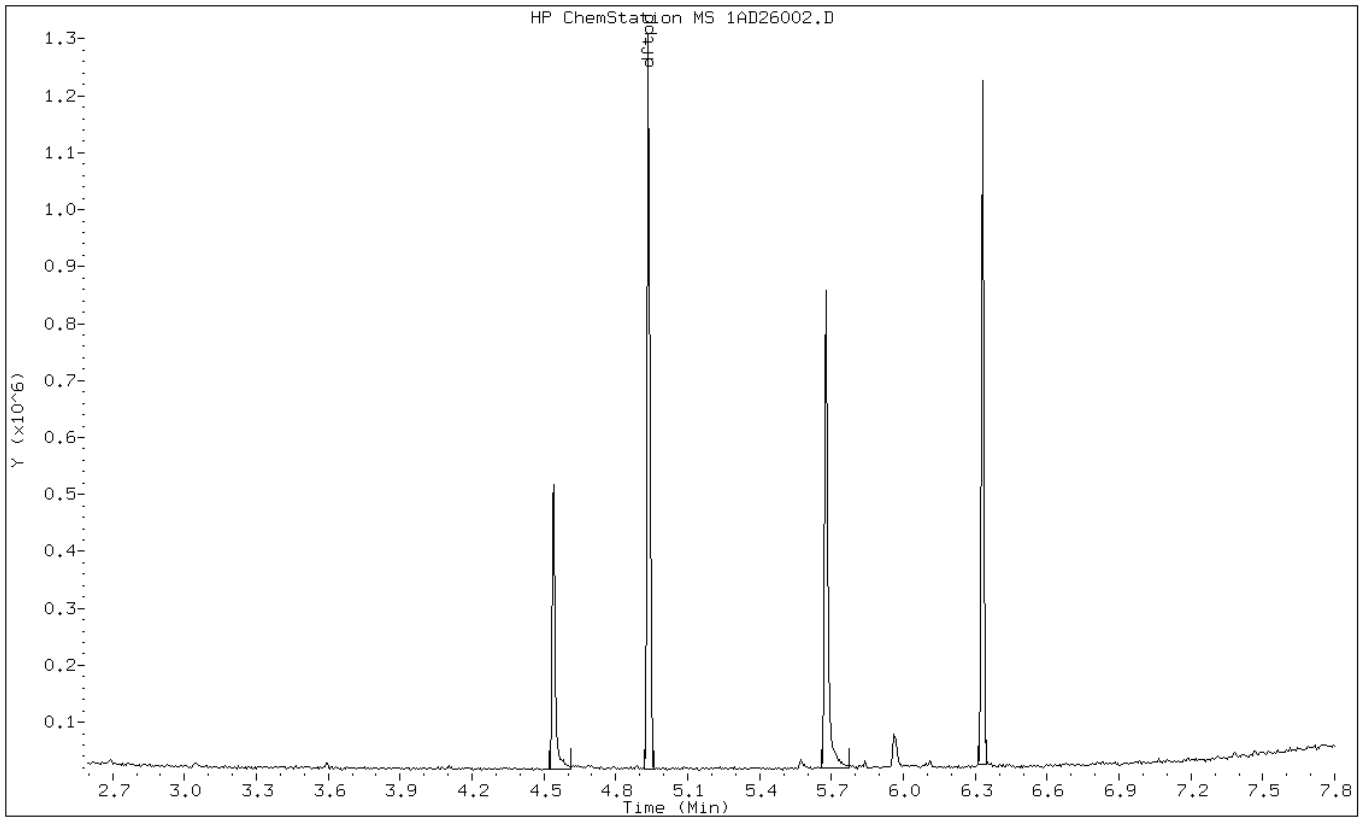
Date: 26-APR-2013 09:50

Client ID: DFTPP

Instrument: BSMA5973.i

Sample Info: DFTPP-1525851

Operator: SCC



Data File: 1AD26002.D

Date: 26-APR-2013 09:50

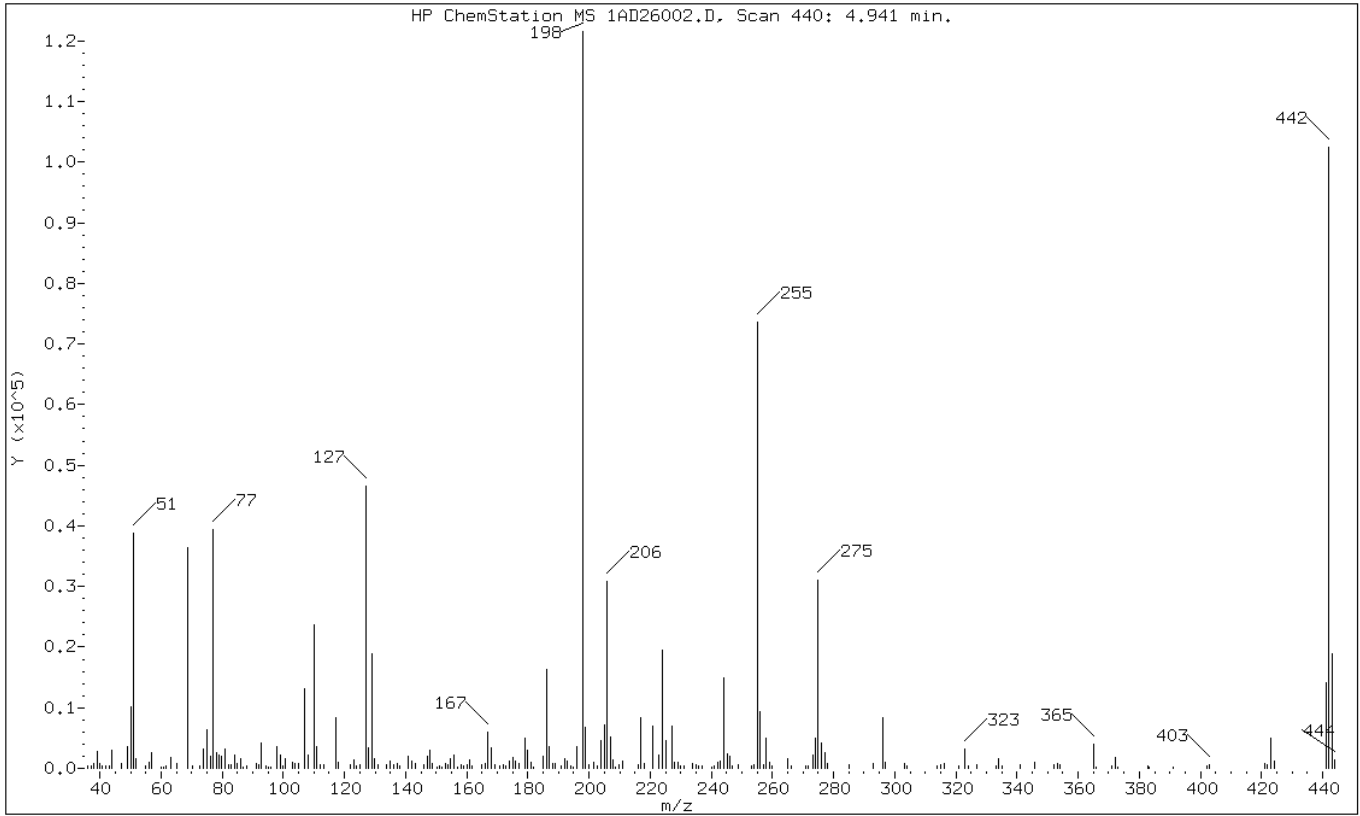
Client ID: DFTPP

Instrument: BSMA5973.i

Sample Info: DFTPP-1525851

Operator: SCC

1 dftpp



| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 198 | Base Peak, 100% relative abundance | 100.00 |
| 51 | 10.00 - 80.00% of mass 198 | 31.86 |
| 68 | Less than 2.00% of mass 69 | 0.00 (0.00) |
| 69 | Mass 69 relative abundance | 29.94 |
| 70 | Less than 2.00% of mass 69 | 0.27 (0.89) |
| 127 | 10.00 - 80.00% of mass 198 | 38.25 |
| 197 | Less than 2.00% of mass 198 | 0.00 |
| 442 | Greater than 50.00% of mass 198 | 84.24 |
| 199 | 5.00 - 9.00% of mass 198 | 5.49 |
| 275 | 10.00 - 60.00% of mass 198 | 25.50 |
| 365 | Greater than 1.00% of mass 198 | 3.29 |
| 441 | Present, but less than mass 443 | 11.55 |
| 443 | 15.00 - 24.00% of mass 442 | 15.49 (18.39) |

Data File: 1AD26002.D

Date: 26-APR-2013 09:50

Client ID: DFTPP

Instrument: BSMA5973.i

Sample Info: DFTPP-1525851

Operator: SCC

Data File: \\tam-chemsvr\chem\SM\BSMA5973.i\1A042613_IC.b\1AD26002.D

Spectrum: HP ChemStation MS 1AD26002.D, Scan 440: 4.941 min.

Location of Maximum: 197.90

Number of points: 218

| m/z | Y | m/z | Y | m/z | Y | m/z | Y |
|-------|-------|--------|-------|--------|--------|--------|-------|
| 36.00 | 318 | 109.90 | 23624 | 181.90 | 258 | 257.90 | 4917 |
| 37.10 | 304 | 110.90 | 3528 | 185.00 | 1943 | 258.90 | 978 |
| 38.00 | 772 | 112.00 | 696 | 186.00 | 16384 | 259.90 | 303 |
| 39.00 | 2851 | 113.10 | 557 | 187.00 | 3659 | 265.00 | 1578 |
| 40.10 | 716 | 117.00 | 8329 | 188.00 | 719 | 266.20 | 302 |
| 40.90 | 450 | 117.90 | 908 | 188.90 | 826 | 270.90 | 415 |
| 42.00 | 367 | 122.00 | 606 | 190.80 | 404 | 271.70 | 437 |
| 43.00 | 323 | 123.00 | 1311 | 192.00 | 1546 | 273.10 | 2160 |
| 44.00 | 3058 | 124.00 | 371 | 192.90 | 1214 | 274.00 | 5041 |
| 46.90 | 754 | 125.00 | 512 | 194.00 | 396 | 275.00 | 30992 |
| 49.00 | 3565 | 127.00 | 46488 | 194.80 | 255 | 275.90 | 4232 |
| 50.00 | 10138 | 128.00 | 3368 | 195.90 | 3544 | 277.00 | 2575 |
| 51.00 | 38720 | 128.90 | 18888 | 197.90 | 121536 | 278.00 | 834 |
| 51.90 | 1557 | 129.80 | 1654 | 198.90 | 6667 | 285.00 | 690 |
| 55.00 | 474 | 131.00 | 544 | 199.90 | 619 | 293.00 | 822 |
| 56.00 | 1032 | 133.90 | 503 | 201.70 | 1011 | 296.00 | 8395 |
| 57.00 | 2554 | 135.00 | 1277 | 202.90 | 396 | 297.00 | 904 |
| 60.00 | 257 | 136.00 | 571 | 204.00 | 4575 | 303.20 | 722 |
| 60.90 | 289 | 137.10 | 702 | 205.00 | 7152 | 303.90 | 319 |
| 61.80 | 317 | 138.00 | 427 | 206.00 | 30816 | 314.00 | 477 |
| 63.10 | 1724 | 141.00 | 2035 | 207.00 | 5196 | 314.90 | 676 |
| 65.00 | 759 | 142.00 | 1118 | 207.90 | 1339 | 316.10 | 769 |
| 68.90 | 36384 | 143.00 | 713 | 208.70 | 266 | 320.80 | 382 |
| 70.10 | 323 | 146.10 | 541 | 209.90 | 683 | 323.00 | 3132 |
| 72.80 | 315 | 147.00 | 1966 | 211.10 | 1168 | 324.00 | 468 |
| 74.00 | 3176 | 148.00 | 2955 | 216.00 | 640 | 327.00 | 657 |
| 75.00 | 6302 | 148.90 | 888 | 216.90 | 8402 | 333.00 | 481 |
| 76.10 | 1935 | 150.10 | 289 | 217.90 | 765 | 334.10 | 1644 |
| 77.00 | 39448 | 151.00 | 322 | 220.90 | 7020 | 335.00 | 459 |
| 78.00 | 2640 | 151.90 | 273 | 223.00 | 2251 | 340.90 | 509 |
| 79.00 | 2237 | 152.90 | 869 | 224.00 | 19528 | 345.90 | 899 |
| 79.90 | 2049 | 153.90 | 672 | 225.00 | 4617 | 351.90 | 634 |
| 80.90 | 3195 | 154.80 | 1546 | 227.00 | 6882 | 352.20 | 548 |
| 82.00 | 676 | 156.00 | 2256 | 227.90 | 931 | 353.10 | 702 |
| 82.90 | 597 | 156.90 | 256 | 229.00 | 1037 | 353.90 | 642 |
| 83.90 | 2102 | 158.10 | 527 | 229.90 | 339 | 365.00 | 3993 |
| 84.90 | 795 | 159.00 | 341 | 231.10 | 439 | 365.90 | 292 |
| 86.10 | 1590 | 160.00 | 680 | 234.00 | 698 | 371.00 | 314 |
| 86.80 | 277 | 161.00 | 1485 | 235.00 | 536 | 372.10 | 1782 |
| 87.90 | 476 | 161.90 | 375 | 236.00 | 404 | 372.80 | 257 |

| | | | | | | | |
|---------|-------|--------|------|--------|-------|--------|--------|
| 91.10 | 819 | 164.80 | 641 | 237.10 | 489 | 382.80 | 327 |
| 92.10 | 653 | 166.00 | 856 | 240.00 | 276 | 383.30 | 252 |
| 92.90 | 4252 | 167.00 | 5928 | 241.00 | 479 | 391.00 | 277 |
| 94.20 | 435 | 168.00 | 3455 | 242.00 | 967 | 402.10 | 404 |
| 95.00 | 281 | 169.10 | 686 | 243.00 | 1175 | 403.00 | 649 |
| +-----+ | | | | | | | |
| 95.90 | 273 | 170.90 | 352 | 244.00 | 14953 | 421.10 | 713 |
| 98.00 | 3544 | 172.00 | 525 | 245.10 | 2429 | 421.80 | 629 |
| 99.00 | 2270 | 172.80 | 444 | 246.00 | 1998 | 422.90 | 5030 |
| 99.80 | 420 | 173.90 | 1209 | 246.80 | 476 | 424.00 | 1147 |
| 100.80 | 1642 | 175.10 | 1874 | 248.90 | 576 | 441.00 | 14043 |
| +-----+ | | | | | | | |
| 103.00 | 1034 | 176.00 | 1175 | 253.00 | 400 | 442.00 | 102376 |
| 103.90 | 828 | 177.00 | 876 | 253.90 | 504 | 443.00 | 18832 |
| 105.00 | 864 | 179.00 | 4909 | 255.00 | 73608 | 443.90 | 1450 |
| 107.00 | 13154 | 179.90 | 2911 | 256.00 | 9434 | | |
| 108.00 | 2102 | 180.90 | 1012 | 257.00 | 624 | | |
| +-----+ | | | | | | | |

TestAmerica Laboratories

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C042413.b\1CD24006.D
 Lab Smp Id: DFTPP Client Smp ID: DFTPP
 Inj Date : 24-APR-2013 13:40
 Operator : SCC Inst ID: BSMC5973.i
 Smp Info : DFTPP-1525850
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C042413.b\c-dftpp198.m
 Meth Date : 04-Feb-2013 16:33 cantins Quant Type: ESTD
 Cal Date : Cal File:
 Als bottle: 2 QC Sample: DFTPP
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 4.14 Sample Matrix: None
 Processing Host: TAM1000

| CONCENTRATIONS | | | | | | | | | |
|----------------|--------|--------|------|----------|------------------|---------|--------|-------|--------|
| ON-COL FINAL | | | | | | | | | |
| RT | EXP RT | DLT RT | MASS | RESPONSE | (ug/L) | (ug/L) | TARGET | RANGE | RATIO |
| ==== | ===== | ===== | ==== | ===== | ===== | ===== | ===== | ===== | ===== |
| 1 dftpp | | | | | CAS #: 5074-71-5 | | | | |
| 7.227 | 7.469 | -0.242 | 198 | 21949 | | | 50.00- | 0.00 | 100.00 |
| 7.227 | 7.469 | -0.242 | 51 | 15744 | | | 10.00- | 80.00 | 71.73 |
| 7.227 | 7.469 | -0.242 | 68 | 238 | | | 0.00- | 2.00 | 1.48 |
| 7.227 | 7.469 | -0.242 | 69 | 16075 | | | 0.00- | 0.00 | 73.24 |
| 7.227 | 7.469 | -0.242 | 70 | 0 | 0.0 | 0.0 | 0.00- | 2.00 | 0.00 |
| 7.227 | 7.469 | -0.242 | 127 | 13070 | | | 10.00- | 80.00 | 59.55 |
| 7.227 | 7.469 | -0.242 | 197 | 427 | | | 0.00- | 2.00 | 1.95 |
| 7.227 | 7.469 | -0.242 | 442 | 12881 | | | 50.00- | 0.00 | 58.69 |
| 7.227 | 7.469 | -0.242 | 199 | 1499 | | | 5.00- | 9.00 | 6.83 |
| 7.227 | 7.469 | -0.242 | 275 | 5028 | | | 10.00- | 60.00 | 22.91 |
| 7.227 | 7.469 | -0.242 | 365 | 1608 | | | 1.00- | 0.00 | 7.33 |
| 7.227 | 7.469 | -0.242 | 441 | 2253 | | | 0.01- | 99.99 | 88.01 |
| 7.227 | 7.469 | -0.242 | 443 | 2560 | | | 15.00- | 24.00 | 19.87 |

Data File: 1CD24006.D

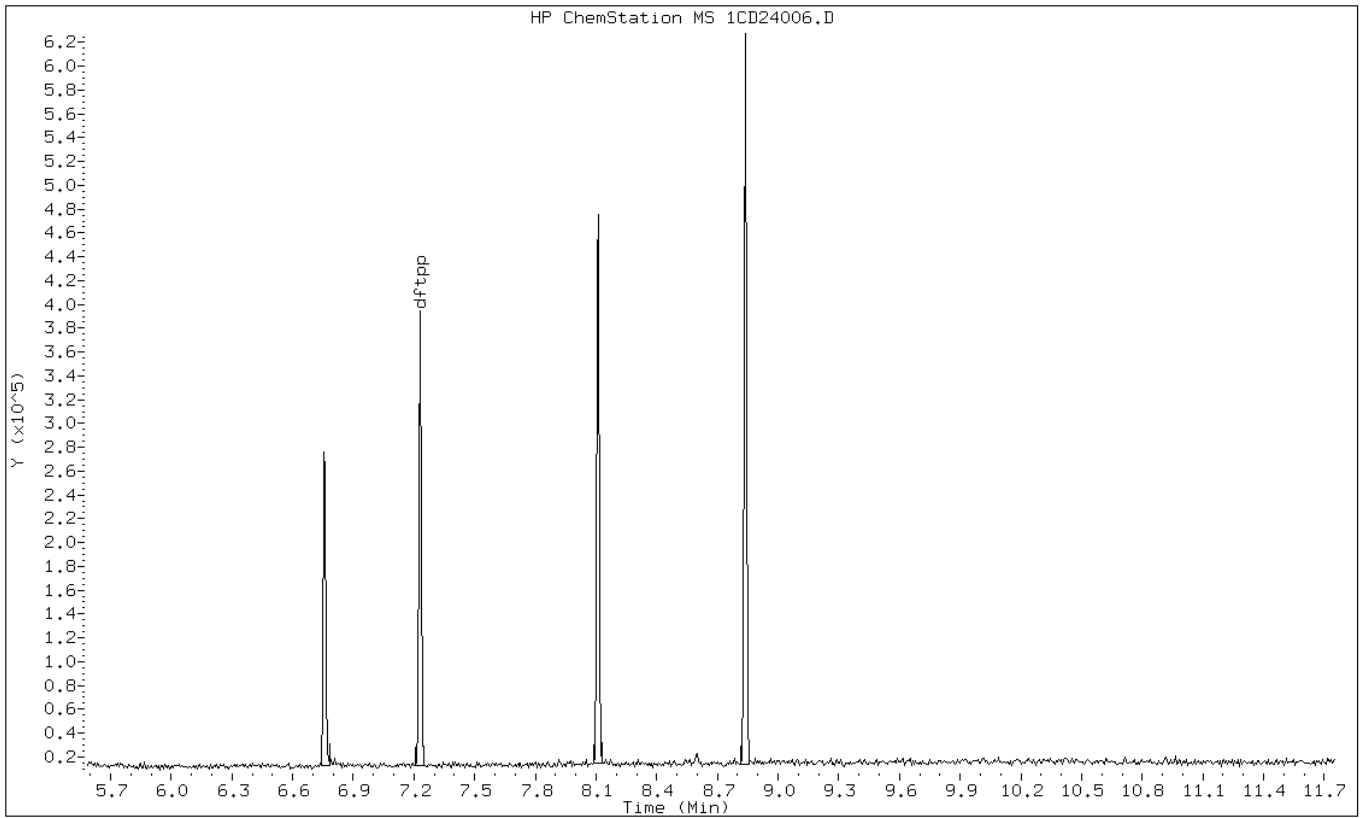
Date: 24-APR-2013 13:40

Client ID: DFTPP

Instrument: BSMC5973.i

Sample Info: DFTPP-1525850

Operator: SCC



Data File: 1CD24006.D

Date: 24-APR-2013 13:40

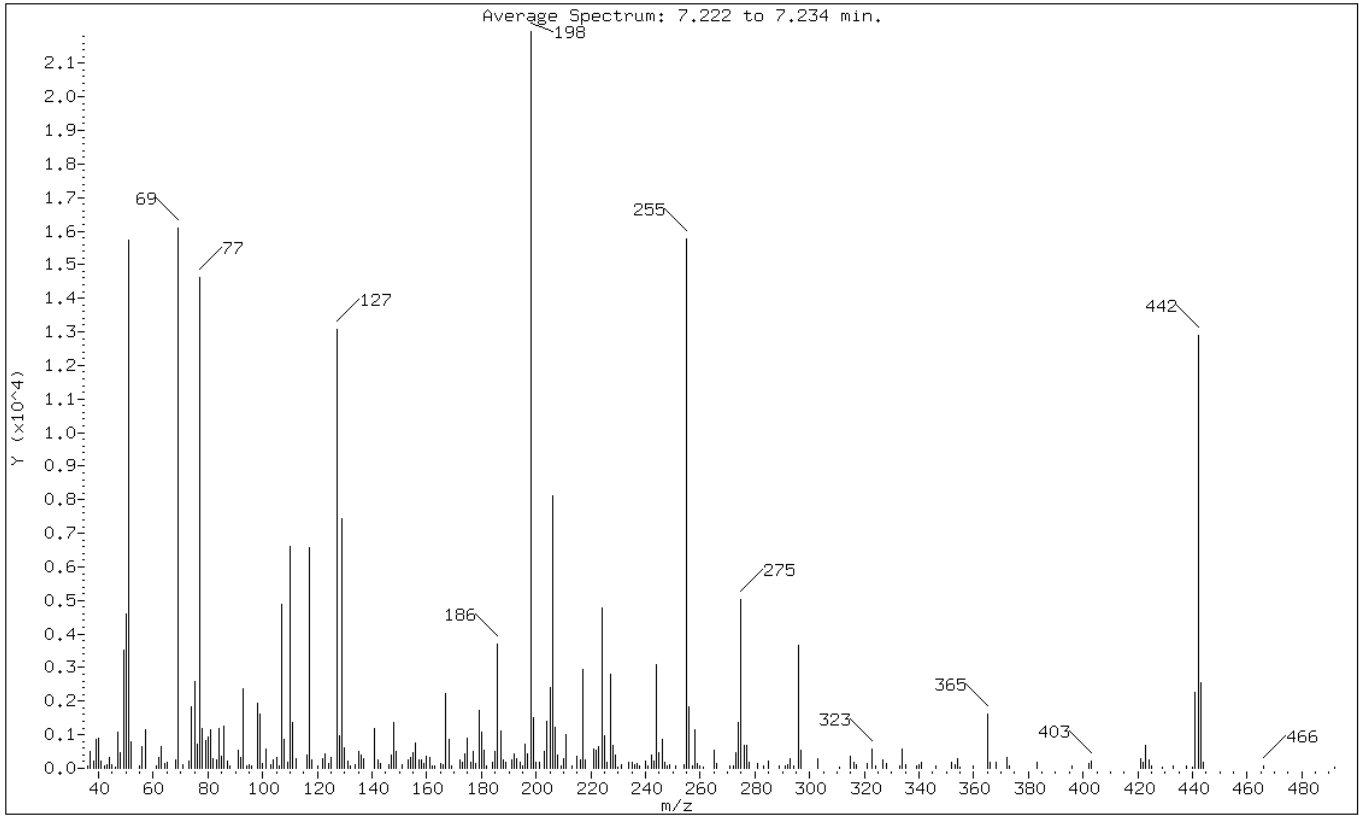
Client ID: DFTPP

Instrument: BSMC5973.i

Sample Info: DFTPP-1525850

Operator: SCC

1 dftpp



| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 198 | Base Peak, 100% relative abundance | 100.00 |
| 51 | 10.00 - 80.00% of mass 198 | 71.73 |
| 68 | Less than 2.00% of mass 69 | 1.08 (1.48) |
| 69 | Mass 69 relative abundance | 73.24 |
| 70 | Less than 2.00% of mass 69 | 0.00 (0.00) |
| 127 | 10.00 - 80.00% of mass 198 | 59.55 |
| 197 | Less than 2.00% of mass 198 | 1.95 |
| 442 | Greater than 50.00% of mass 198 | 58.69 |
| 199 | 5.00 - 9.00% of mass 198 | 6.83 |
| 275 | 10.00 - 60.00% of mass 198 | 22.91 |
| 365 | Greater than 1.00% of mass 198 | 7.33 |
| 441 | Present, but less than mass 442 | 10.26 |
| 443 | 15.00 - 24.00% of mass 442 | 11.66 (19.87) |

Data File: 1CD24006.D

Date: 24-APR-2013 13:40

Client ID: DFTPP

Instrument: BSMC5973.i

Sample Info: DFTPP-1525850

Operator: SCC

Data File: \\tam-chemsvr\chem\SM\BSMC5973.i\1C042413.b\1CD24006.D

Spectrum: Average Spectrum: 7.222 to 7.234 min.

Location of Maximum: 198.00

Number of points: 249

| m/z | Y | m/z | Y | m/z | Y | m/z | Y |
|-------|-------|--------|-------|--------|-------|--------|------|
| 36.00 | 77 | 112.00 | 270 | 194.00 | 170 | 275.00 | 5028 |
| 37.00 | 490 | 116.00 | 378 | 195.00 | 79 | 276.00 | 699 |
| 38.00 | 221 | 117.00 | 6578 | 196.00 | 713 | 277.00 | 686 |
| 39.00 | 874 | 118.00 | 239 | 197.00 | 427 | 278.00 | 189 |
| 40.00 | 890 | 120.00 | 63 | 198.00 | 21944 | 281.00 | 133 |
| 41.00 | 226 | 122.00 | 271 | 199.00 | 1499 | 283.00 | 81 |
| 42.00 | 58 | 123.00 | 420 | 200.00 | 166 | 285.00 | 200 |
| 43.00 | 101 | 124.00 | 127 | 201.00 | 188 | 289.00 | 59 |
| 44.00 | 310 | 125.00 | 328 | 203.00 | 502 | 291.00 | 86 |
| 45.00 | 121 | 127.00 | 13070 | 204.00 | 1395 | 292.00 | 100 |
| 46.00 | 51 | 128.00 | 987 | 205.00 | 2409 | 293.00 | 280 |
| 47.00 | 1086 | 129.00 | 7442 | 206.00 | 8127 | 294.00 | 71 |
| 48.00 | 471 | 130.00 | 604 | 207.00 | 1235 | 296.00 | 3668 |
| 49.00 | 3519 | 131.00 | 221 | 208.00 | 392 | 297.00 | 547 |
| 50.00 | 4580 | 132.00 | 82 | 209.00 | 63 | 303.00 | 303 |
| 51.00 | 15744 | 134.00 | 115 | 210.00 | 283 | 311.00 | 53 |
| 52.00 | 773 | 135.00 | 491 | 211.00 | 1011 | 315.00 | 371 |
| 55.00 | 70 | 136.00 | 397 | 213.00 | 59 | 316.00 | 169 |
| 56.00 | 645 | 137.00 | 276 | 215.00 | 355 | 317.00 | 118 |
| 57.00 | 1151 | 141.00 | 1168 | 216.00 | 240 | 321.00 | 157 |
| 61.00 | 65 | 142.00 | 244 | 217.00 | 2938 | 323.00 | 559 |
| 62.00 | 332 | 143.00 | 148 | 218.00 | 254 | 324.00 | 69 |
| 63.00 | 655 | 146.00 | 102 | 221.00 | 570 | 327.00 | 259 |
| 64.00 | 140 | 147.00 | 411 | 222.00 | 525 | 328.00 | 140 |
| 65.00 | 187 | 148.00 | 1368 | 223.00 | 662 | 333.00 | 56 |
| 68.00 | 238 | 149.00 | 500 | 224.00 | 4787 | 334.00 | 558 |
| 69.00 | 16075 | 151.00 | 111 | 225.00 | 960 | 335.00 | 116 |
| 71.00 | 93 | 153.00 | 252 | 226.00 | 170 | 339.00 | 60 |
| 73.00 | 202 | 154.00 | 307 | 227.00 | 2802 | 340.00 | 108 |
| 74.00 | 1833 | 155.00 | 457 | 228.00 | 668 | 341.00 | 163 |
| 75.00 | 2594 | 156.00 | 764 | 229.00 | 411 | 346.00 | 56 |
| 76.00 | 732 | 157.00 | 263 | 230.00 | 50 | 352.00 | 166 |
| 77.00 | 14626 | 158.00 | 255 | 231.00 | 100 | 353.00 | 114 |
| 78.00 | 1203 | 159.00 | 139 | 234.00 | 196 | 354.00 | 272 |
| 79.00 | 823 | 160.00 | 359 | 235.00 | 165 | 355.00 | 51 |
| 80.00 | 923 | 161.00 | 333 | 236.00 | 98 | 360.00 | 54 |
| 81.00 | 1151 | 162.00 | 71 | 237.00 | 130 | 365.00 | 1608 |
| 82.00 | 293 | 163.00 | 74 | 238.00 | 56 | 366.00 | 185 |
| 83.00 | 265 | 165.00 | 145 | 240.00 | 225 | 368.00 | 181 |
| 84.00 | 1176 | 166.00 | 116 | 241.00 | 57 | 372.00 | 317 |

| | | | | | | | |
|--------|------|--------|------|--------|-------|--------|-------|
| 85.00 | 348 | 167.00 | 2233 | 242.00 | 403 | 373.00 | 59 |
| 86.00 | 1245 | 168.00 | 845 | 243.00 | 211 | 383.00 | 185 |
| 87.00 | 231 | 169.00 | 73 | 244.00 | 3072 | 396.00 | 73 |
| 88.00 | 67 | 172.00 | 249 | 245.00 | 467 | 402.00 | 145 |
| 91.00 | 556 | 173.00 | 182 | 246.00 | 861 | 403.00 | 232 |
| 92.00 | 324 | 174.00 | 415 | 247.00 | 191 | 421.00 | 276 |
| 93.00 | 2363 | 175.00 | 881 | 248.00 | 58 | 422.00 | 167 |
| 94.00 | 54 | 176.00 | 171 | 249.00 | 100 | 423.00 | 682 |
| 95.00 | 98 | 177.00 | 489 | 251.00 | 55 | 424.00 | 251 |
| 96.00 | 70 | 178.00 | 138 | 254.00 | 113 | 425.00 | 63 |
| 98.00 | 1936 | 179.00 | 1719 | 255.00 | 15751 | 429.00 | 52 |
| 99.00 | 1629 | 180.00 | 1068 | 256.00 | 1834 | 433.00 | 88 |
| 100.00 | 138 | 181.00 | 521 | 257.00 | 63 | 438.00 | 70 |
| 101.00 | 578 | 182.00 | 60 | 258.00 | 1138 | 440.00 | 53 |
| 103.00 | 124 | 184.00 | 171 | 259.00 | 137 | 441.00 | 2253 |
| 104.00 | 258 | 185.00 | 513 | 260.00 | 75 | 442.00 | 12881 |
| 105.00 | 319 | 186.00 | 3712 | 261.00 | 52 | 443.00 | 2560 |
| 106.00 | 86 | 187.00 | 1123 | 265.00 | 538 | 444.00 | 195 |
| 107.00 | 4898 | 188.00 | 268 | 266.00 | 137 | 466.00 | 77 |
| 108.00 | 853 | 189.00 | 193 | 271.00 | 66 | 492.00 | 50 |
| 109.00 | 187 | 191.00 | 238 | 272.00 | 54 | | |
| 110.00 | 6596 | 192.00 | 442 | 273.00 | 478 | | |
| 111.00 | 1368 | 193.00 | 299 | 274.00 | 1355 | | |

TestAmerica Laboratories

Data file : \\tam-chemsvr\chem\SM\BSMSD.i\1D040413.b\1DD04003.D
 Lab Smp Id: DFTPP Client Smp ID: DFTPP
 Inj Date : 04-APR-2013 12:15
 Operator : SCC Inst ID: BSMSD.i
 Smp Info : DFTPP-1525850
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMSD.i\1D040413.b\d-dftpp198.m
 Meth Date : 08-Jan-2013 12:23 cantins Quant Type: ESTD
 Cal Date : Cal File:
 Als bottle: 2 QC Sample: DFTPP
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 4.14 Sample Matrix: None
 Processing Host: TAM1000

| CONCENTRATIONS | | | | | | | | | |
|----------------|--------|--------|------|----------|------------------|---------|--------|-------|--------|
| ON-COL FINAL | | | | | | | | | |
| RT | EXP RT | DLT RT | MASS | RESPONSE | (ug/L) | (ug/L) | TARGET | RANGE | RATIO |
| ==== | ===== | ===== | ==== | ===== | ===== | ===== | ===== | ===== | ===== |
| 1 dftpp | | | | | CAS #: 5074-71-5 | | | | |
| 8.382 | 8.532 | -0.150 | 198 | 72572 | | | 50.00- | 0.00 | 100.00 |
| 8.382 | 8.532 | -0.150 | 51 | 32556 | | | 10.00- | 80.00 | 44.86 |
| 8.382 | 8.532 | -0.150 | 68 | 0 | 0.0 | 0.0 | 0.00- | 2.00 | 0.00 |
| 8.382 | 8.532 | -0.150 | 69 | 32936 | | | 0.00- | 0.00 | 45.38 |
| 8.382 | 8.532 | -0.150 | 70 | 114 | | | 0.00- | 2.00 | 0.35 |
| 8.382 | 8.532 | -0.150 | 127 | 36680 | | | 10.00- | 80.00 | 50.54 |
| 8.382 | 8.532 | -0.150 | 197 | 0 | 0.0 | 0.0 | 0.00- | 2.00 | 0.00 |
| 8.382 | 8.532 | -0.150 | 442 | 48716 | | | 50.00- | 0.00 | 67.13 |
| 8.382 | 8.532 | -0.150 | 199 | 4977 | | | 5.00- | 9.00 | 6.86 |
| 8.382 | 8.532 | -0.150 | 275 | 19350 | | | 10.00- | 60.00 | 26.66 |
| 8.382 | 8.532 | -0.150 | 365 | 2279 | | | 1.00- | 0.00 | 3.14 |
| 8.382 | 8.532 | -0.150 | 441 | 2370 | | | 0.01- | 99.99 | 23.58 |
| 8.382 | 8.532 | -0.150 | 443 | 10052 | | | 15.00- | 24.00 | 20.63 |

Data File: 1DD04003.D

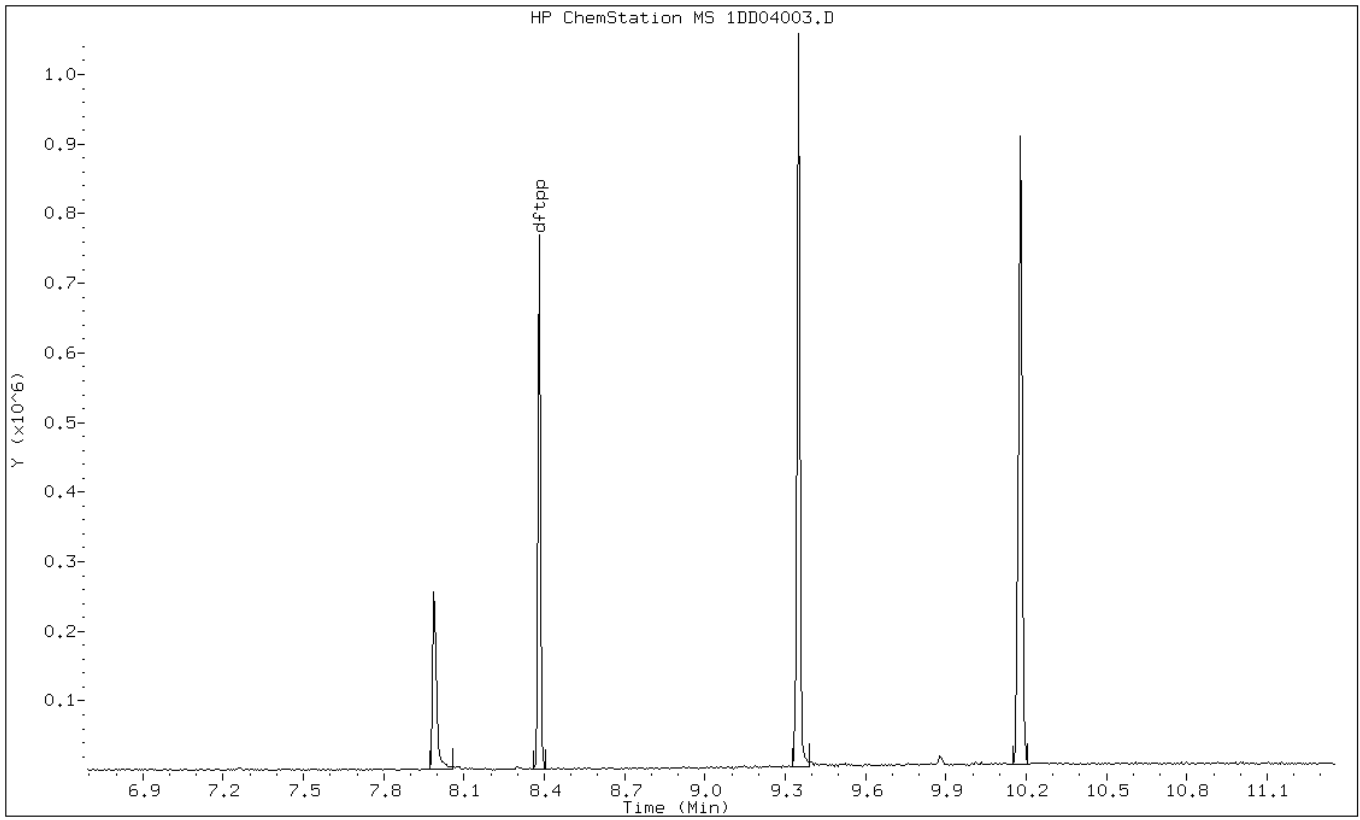
Date: 04-APR-2013 12:15

Client ID: DFTPP

Instrument: BSMSD.i

Sample Info: DFTPP-1525850

Operator: SCC



Data File: 1DD04003.D

Date: 04-APR-2013 12:15

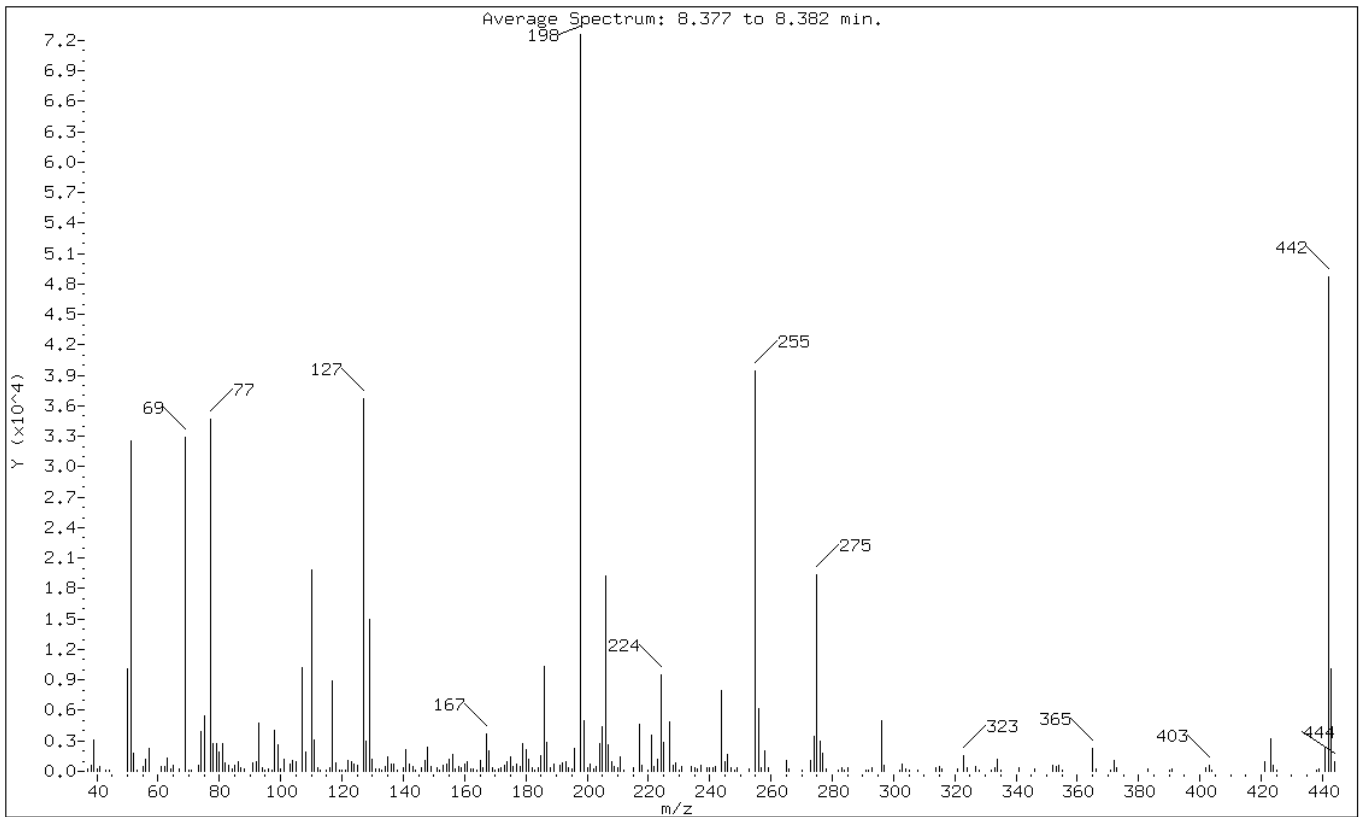
Client ID: DFTPP

Instrument: BSMSD.i

Sample Info: DFTPP-1525850

Operator: SCC

1 dftpp



| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 198 | Base Peak, 100% relative abundance | 100.00 |
| 51 | 10.00 - 80.00% of mass 198 | 44.86 |
| 68 | Less than 2.00% of mass 69 | 0.00 (0.00) |
| 69 | Mass 69 relative abundance | 45.38 |
| 70 | Less than 2.00% of mass 69 | 0.16 (0.35) |
| 127 | 10.00 - 80.00% of mass 198 | 50.54 |
| 197 | Less than 2.00% of mass 198 | 0.00 |
| 442 | Greater than 50.00% of mass 198 | 67.13 |
| 199 | 5.00 - 9.00% of mass 198 | 6.86 |
| 275 | 10.00 - 60.00% of mass 198 | 26.66 |
| 365 | Greater than 1.00% of mass 198 | 3.14 |
| 441 | Present, but less than mass 443 | 3.27 |
| 443 | 15.00 - 24.00% of mass 442 | 13.85 (20.63) |

Data File: 1DD04003.D

Date: 04-APR-2013 12:15

Client ID: DFTPP

Instrument: BSMSD.i

Sample Info: DFTPP-1525850

Operator: SCC

Data File: \\tam-chemsvr\chem\SM\BSMSD.i\1D040413.b\1DD04003.D

Spectrum: Average Spectrum: 8.377 to 8.382 min.

Location of Maximum: 198.00

Number of points: 246

| m/z | Y | m/z | Y | m/z | Y | m/z | Y |
|-------|-------|--------|-------|--------|-------|--------|-------|
| 37.00 | 274 | 119.00 | 120 | 185.00 | 1517 | 270.00 | 78 |
| 38.00 | 589 | 120.00 | 118 | 186.00 | 10284 | 273.00 | 1081 |
| 39.00 | 3038 | 121.00 | 77 | 187.00 | 2888 | 274.00 | 3485 |
| 40.00 | 277 | 122.00 | 1015 | 188.00 | 332 | 275.00 | 19344 |
| 41.00 | 463 | 123.00 | 946 | 189.00 | 735 | 276.00 | 2999 |
| 43.00 | 124 | 124.00 | 666 | 191.00 | 579 | 277.00 | 1839 |
| 44.00 | 117 | 125.00 | 567 | 192.00 | 873 | 278.00 | 226 |
| 50.00 | 10128 | 127.00 | 36680 | 193.00 | 975 | 282.00 | 81 |
| 51.00 | 32552 | 128.00 | 2957 | 194.00 | 335 | 283.00 | 314 |
| 52.00 | 1767 | 129.00 | 14951 | 195.00 | 275 | 284.00 | 90 |
| 53.00 | 85 | 130.00 | 1205 | 196.00 | 2233 | 285.00 | 356 |
| 55.00 | 420 | 131.00 | 194 | 198.00 | 72568 | 291.00 | 83 |
| 56.00 | 1176 | 132.00 | 206 | 199.00 | 4977 | 292.00 | 80 |
| 57.00 | 2213 | 133.00 | 92 | 200.00 | 323 | 293.00 | 412 |
| 61.00 | 490 | 134.00 | 523 | 201.00 | 663 | 296.00 | 5046 |
| 62.00 | 459 | 135.00 | 1404 | 202.00 | 210 | 297.00 | 576 |
| 63.00 | 1290 | 136.00 | 674 | 203.00 | 519 | 302.00 | 157 |
| 64.00 | 230 | 137.00 | 709 | 204.00 | 2685 | 303.00 | 675 |
| 65.00 | 539 | 138.00 | 79 | 205.00 | 4398 | 304.00 | 185 |
| 67.00 | 251 | 140.00 | 333 | 206.00 | 19200 | 305.00 | 82 |
| 69.00 | 32936 | 141.00 | 2082 | 207.00 | 2631 | 308.00 | 174 |
| 70.00 | 114 | 142.00 | 713 | 208.00 | 974 | 314.00 | 314 |
| 71.00 | 81 | 143.00 | 523 | 209.00 | 499 | 315.00 | 487 |
| 73.00 | 647 | 144.00 | 93 | 210.00 | 329 | 316.00 | 223 |
| 74.00 | 3962 | 146.00 | 312 | 211.00 | 1393 | 321.00 | 206 |
| 75.00 | 5478 | 147.00 | 1032 | 212.00 | 165 | 323.00 | 1494 |
| 77.00 | 34688 | 148.00 | 2326 | 215.00 | 308 | 324.00 | 410 |
| 78.00 | 2711 | 149.00 | 488 | 217.00 | 4596 | 327.00 | 476 |
| 79.00 | 2695 | 151.00 | 320 | 218.00 | 606 | 328.00 | 99 |
| 80.00 | 1923 | 152.00 | 103 | 220.00 | 76 | 332.00 | 111 |
| 81.00 | 2677 | 153.00 | 558 | 221.00 | 3596 | 333.00 | 396 |
| 82.00 | 777 | 154.00 | 665 | 222.00 | 431 | 334.00 | 1163 |
| 83.00 | 630 | 155.00 | 1227 | 223.00 | 1208 | 335.00 | 119 |
| 84.00 | 185 | 156.00 | 1628 | 224.00 | 9447 | 341.00 | 297 |
| 85.00 | 566 | 157.00 | 240 | 225.00 | 2804 | 346.00 | 197 |
| 86.00 | 895 | 158.00 | 430 | 227.00 | 4861 | 352.00 | 557 |
| 87.00 | 384 | 159.00 | 320 | 228.00 | 637 | 353.00 | 477 |
| 88.00 | 184 | 160.00 | 765 | 229.00 | 843 | 354.00 | 558 |
| 91.00 | 856 | 161.00 | 1005 | 230.00 | 115 | 355.00 | 81 |
| 92.00 | 893 | 162.00 | 279 | 231.00 | 446 | 365.00 | 2279 |

| | | | | | | | |
|---|-------|--------|------|--------|-------|--------|-------|
| 93.00 | 4736 | 163.00 | 190 | 234.00 | 485 | 366.00 | 181 |
| 94.00 | 298 | 164.00 | 105 | 235.00 | 402 | 371.00 | 117 |
| 95.00 | 167 | 165.00 | 1019 | 236.00 | 243 | 372.00 | 1076 |
| 96.00 | 240 | 166.00 | 344 | 237.00 | 537 | 373.00 | 335 |
| 97.00 | 178 | 167.00 | 3671 | 239.00 | 320 | 383.00 | 219 |
| +-----+-----+-----+-----+-----+-----+-----+-----+ | | | | | | | |
| 98.00 | 4066 | 168.00 | 1997 | 240.00 | 333 | 390.00 | 136 |
| 99.00 | 2655 | 169.00 | 349 | 241.00 | 361 | 391.00 | 180 |
| 100.00 | 295 | 170.00 | 112 | 242.00 | 472 | 402.00 | 362 |
| 101.00 | 1142 | 171.00 | 208 | 244.00 | 7939 | 403.00 | 564 |
| 103.00 | 719 | 172.00 | 342 | 245.00 | 988 | 404.00 | 144 |
| +-----+-----+-----+-----+-----+-----+-----+-----+ | | | | | | | |
| 104.00 | 1122 | 173.00 | 643 | 246.00 | 1619 | 421.00 | 961 |
| 105.00 | 909 | 174.00 | 893 | 247.00 | 381 | 423.00 | 3222 |
| 107.00 | 10195 | 175.00 | 1368 | 248.00 | 80 | 424.00 | 628 |
| 108.00 | 1940 | 176.00 | 519 | 249.00 | 382 | 425.00 | 87 |
| 110.00 | 19784 | 177.00 | 713 | 253.00 | 265 | 438.00 | 129 |
| +-----+-----+-----+-----+-----+-----+-----+-----+ | | | | | | | |
| 111.00 | 3136 | 178.00 | 422 | 255.00 | 39432 | 439.00 | 214 |
| 112.00 | 374 | 179.00 | 2728 | 256.00 | 6151 | 441.00 | 2370 |
| 113.00 | 128 | 180.00 | 2151 | 257.00 | 340 | 442.00 | 48712 |
| 115.00 | 153 | 181.00 | 1200 | 258.00 | 2068 | 443.00 | 10052 |
| 116.00 | 393 | 182.00 | 314 | 259.00 | 399 | 444.00 | 994 |
| +-----+-----+-----+-----+-----+-----+-----+-----+ | | | | | | | |
| 117.00 | 8897 | 183.00 | 98 | 265.00 | 1086 | | |
| 118.00 | 800 | 184.00 | 382 | 266.00 | 282 | | |
| +-----+-----+-----+-----+-----+-----+-----+-----+ | | | | | | | |

TestAmerica Laboratories

Data file : \\tam-chemsvr\chem\SM\BSMSD.i\1D042413.b\1DD24002.D
 Lab Smp Id: DFTPP Client Smp ID: DFTPP
 Inj Date : 24-APR-2013 12:30
 Operator : SCC Inst ID: BSMSD.i
 Smp Info : DFTPP-1525850
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMSD.i\1D042413.b\d-dftpp198.m
 Meth Date : 08-Jan-2013 12:23 cantins Quant Type: ESTD
 Cal Date : Cal File:
 Als bottle: 2 QC Sample: DFTPP
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 4.14 Sample Matrix: None
 Processing Host: TAM1000

| CONCENTRATIONS | | | | | | | | | |
|----------------|--------|--------|------|----------|------------------|---------|--------|-------|--------|
| ON-COL FINAL | | | | | | | | | |
| RT | EXP RT | DLT RT | MASS | RESPONSE | (ug/L) | (ug/L) | TARGET | RANGE | RATIO |
| ==== | ===== | ===== | ==== | ===== | ===== | ===== | ===== | ===== | ===== |
| 1 dftpp | | | | | CAS #: 5074-71-5 | | | | |
| 8.344 | 8.532 | -0.188 | 198 | 78584 | | | 50.00- | 0.00 | 100.00 |
| 8.344 | 8.532 | -0.188 | 51 | 30672 | | | 10.00- | 80.00 | 39.03 |
| 8.344 | 8.532 | -0.188 | 68 | 0 | 0.0 | 0.0 | 0.00- | 2.00 | 0.00 |
| 8.344 | 8.532 | -0.188 | 69 | 30256 | | | 0.00- | 0.00 | 38.50 |
| 8.344 | 8.532 | -0.188 | 70 | 0 | 0.0 | 0.0 | 0.00- | 2.00 | 0.00 |
| 8.344 | 8.532 | -0.188 | 127 | 36600 | | | 10.00- | 80.00 | 46.57 |
| 8.344 | 8.532 | -0.188 | 197 | 0 | 0.0 | 0.0 | 0.00- | 2.00 | 0.00 |
| 8.344 | 8.532 | -0.188 | 442 | 71056 | | | 50.00- | 0.00 | 90.42 |
| 8.344 | 8.532 | -0.188 | 199 | 5585 | | | 5.00- | 9.00 | 7.11 |
| 8.344 | 8.532 | -0.188 | 275 | 24632 | | | 10.00- | 60.00 | 31.34 |
| 8.344 | 8.532 | -0.188 | 365 | 3002 | | | 1.00- | 0.00 | 3.82 |
| 8.344 | 8.532 | -0.188 | 441 | 10979 | | | 0.01- | 99.99 | 72.76 |
| 8.344 | 8.532 | -0.188 | 443 | 15089 | | | 15.00- | 24.00 | 21.24 |

Data File: 1DD24002.D

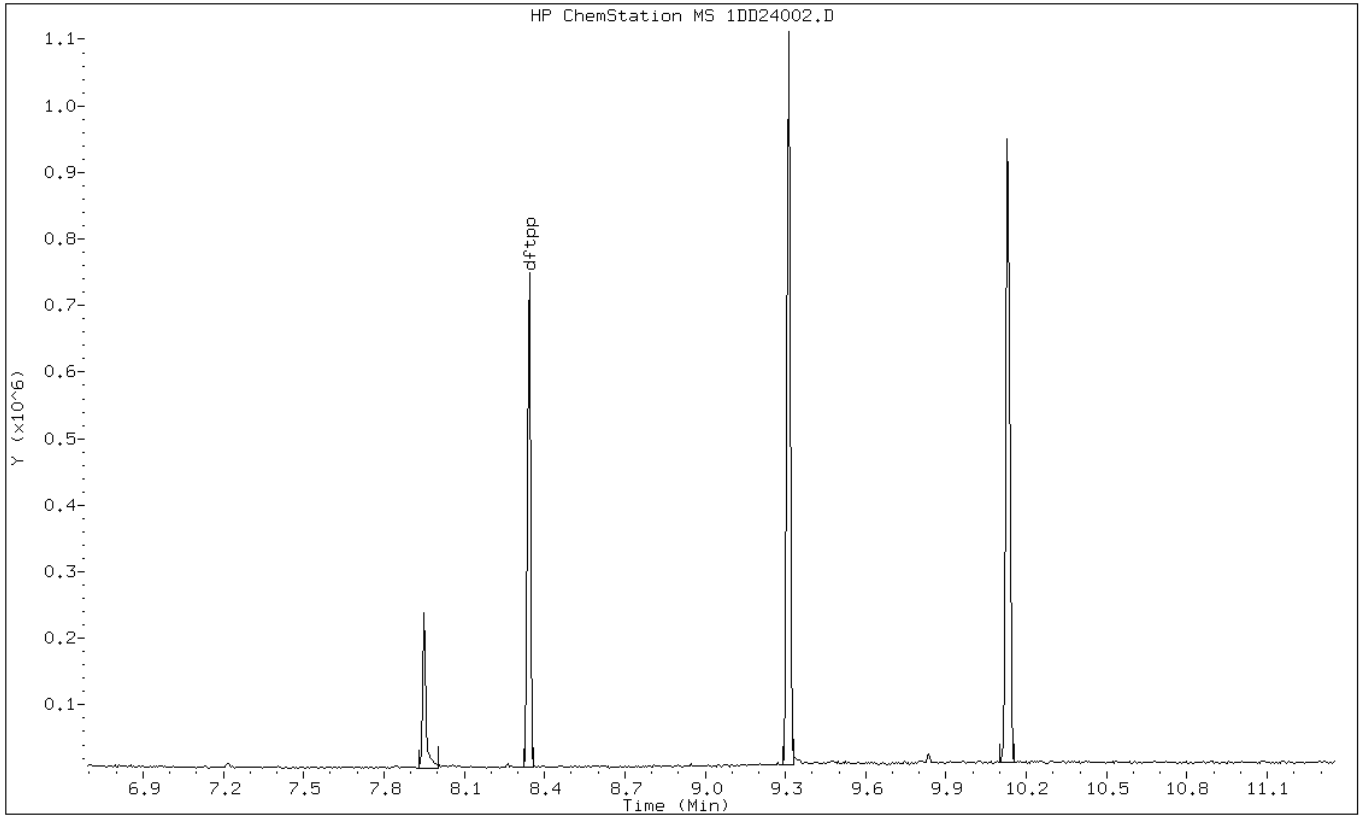
Date: 24-APR-2013 12:30

Client ID: DFTPP

Instrument: BSMSD.i

Sample Info: DFTPP-1525850

Operator: SCC



Data File: 1DD24002.D

Date: 24-APR-2013 12:30

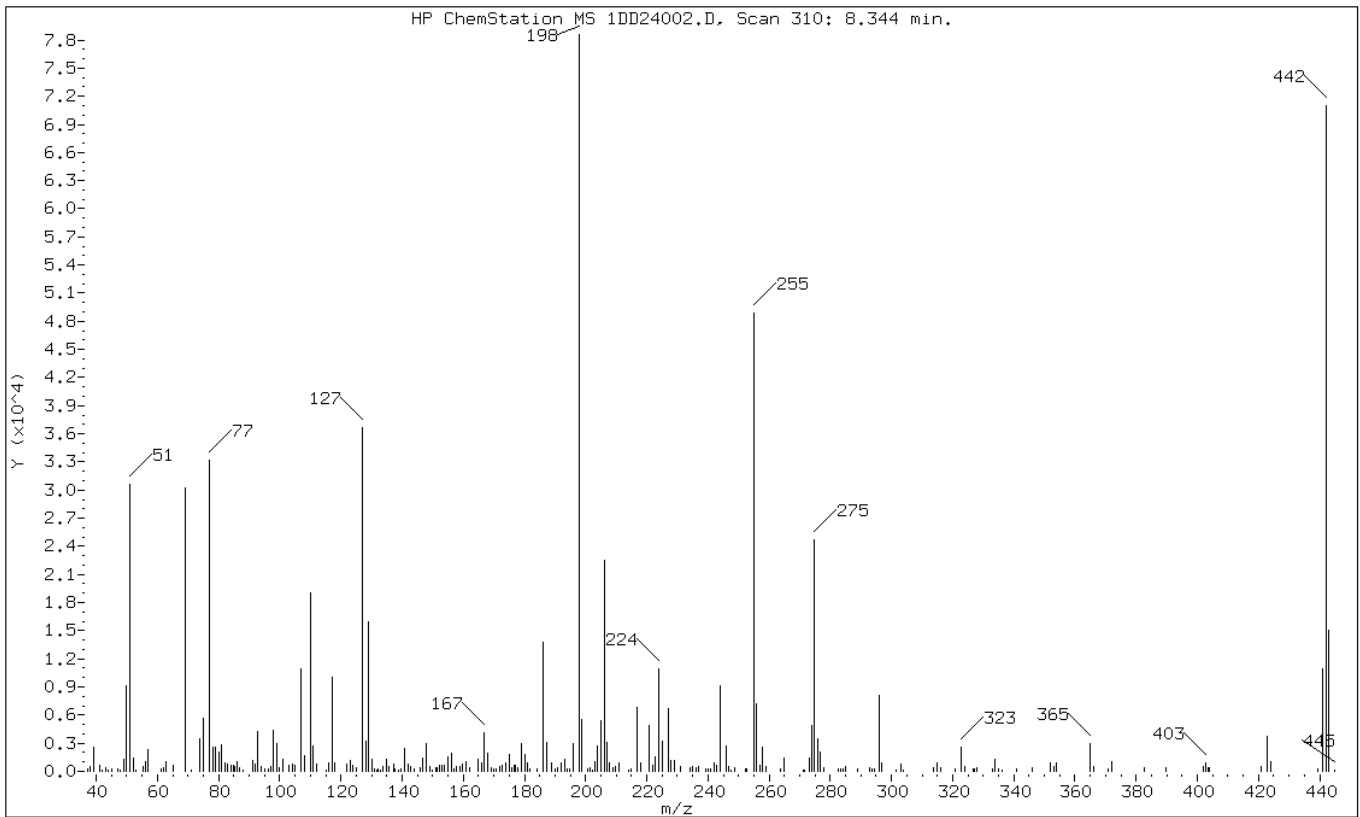
Client ID: DFTPP

Instrument: BSMSD.i

Sample Info: DFTPP-1525850

Operator: SCC

1 dftpp



| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 198 | Base Peak, 100% relative abundance | 100.00 |
| 51 | 10.00 - 80.00% of mass 198 | 39.03 |
| 68 | Less than 2.00% of mass 69 | 0.00 (0.00) |
| 69 | Mass 69 relative abundance | 38.50 |
| 70 | Less than 2.00% of mass 69 | 0.00 (0.00) |
| 127 | 10.00 - 80.00% of mass 198 | 46.57 |
| 197 | Less than 2.00% of mass 198 | 0.00 |
| 442 | Greater than 50.00% of mass 198 | 90.42 |
| 199 | 5.00 - 9.00% of mass 198 | 7.11 |
| 275 | 10.00 - 60.00% of mass 198 | 31.34 |
| 365 | Greater than 1.00% of mass 198 | 3.82 |
| 441 | Present, but less than mass 443 | 13.97 |
| 443 | 15.00 - 24.00% of mass 442 | 19.20 (21.24) |

Data File: 1DD24002.D

Date: 24-APR-2013 12:30

Client ID: DFTPP

Instrument: BSMSD.i

Sample Info: DFTPP-1525850

Operator: SCC

Data File: \\tam-chemsvr\chem\SM\BSMSD.i\1D042413.b\1DD24002.D

Spectrum: HP ChemStation MS 1DD24002.D, Scan 310: 8.344 min.

Location of Maximum: 197.90

Number of points: 242

| m/z | Y | m/z | Y | m/z | Y | m/z | Y |
|-------|-------|--------|-------|--------|-------|--------|-------|
| 37.20 | 290 | 117.90 | 851 | 184.00 | 320 | 263.80 | 209 |
| 38.00 | 561 | 122.00 | 798 | 186.00 | 13821 | 264.90 | 1466 |
| 39.10 | 2537 | 123.10 | 1178 | 187.10 | 3028 | 271.00 | 154 |
| 41.00 | 590 | 124.00 | 628 | 189.00 | 881 | 271.70 | 188 |
| 42.10 | 176 | 125.10 | 448 | 190.20 | 275 | 273.10 | 1387 |
| 43.00 | 331 | 126.90 | 36600 | 190.80 | 386 | 273.90 | 4868 |
| 43.90 | 177 | 128.00 | 3264 | 191.00 | 392 | 274.90 | 24632 |
| 44.90 | 200 | 128.90 | 15953 | 191.90 | 903 | 276.00 | 3528 |
| 47.00 | 267 | 130.00 | 1230 | 193.00 | 1315 | 276.80 | 2072 |
| 48.00 | 187 | 131.00 | 225 | 194.00 | 273 | 278.00 | 336 |
| 49.10 | 1281 | 131.80 | 160 | 194.90 | 219 | 282.80 | 239 |
| 50.00 | 9106 | 132.30 | 228 | 196.00 | 2967 | 283.20 | 205 |
| 51.00 | 30672 | 133.10 | 176 | 197.90 | 78584 | 284.00 | 256 |
| 52.10 | 1470 | 133.90 | 504 | 198.80 | 5585 | 284.80 | 466 |
| 53.00 | 173 | 135.00 | 1306 | 200.50 | 257 | 288.80 | 234 |
| 55.20 | 469 | 135.80 | 557 | 201.30 | 410 | 292.80 | 429 |
| 56.00 | 1078 | 137.10 | 797 | 202.10 | 158 | 293.70 | 275 |
| 57.00 | 2297 | 137.80 | 247 | 203.00 | 980 | 294.50 | 243 |
| 61.30 | 246 | 138.80 | 186 | 204.00 | 2712 | 295.90 | 8047 |
| 62.00 | 379 | 139.80 | 246 | 205.00 | 5428 | 296.90 | 886 |
| 63.00 | 1044 | 140.90 | 2492 | 206.00 | 22536 | 301.60 | 169 |
| 65.00 | 678 | 141.90 | 736 | 207.00 | 3085 | 303.10 | 760 |
| 69.00 | 30256 | 142.90 | 491 | 207.90 | 867 | 304.00 | 162 |
| 71.00 | 191 | 143.90 | 218 | 208.90 | 419 | 313.70 | 366 |
| 74.00 | 3515 | 145.80 | 446 | 209.90 | 537 | 315.00 | 938 |
| 75.00 | 5681 | 146.90 | 1381 | 210.80 | 952 | 316.10 | 447 |
| 77.00 | 33136 | 147.90 | 2979 | 213.90 | 162 | 320.90 | 307 |
| 78.00 | 2580 | 149.00 | 544 | 215.00 | 241 | 322.90 | 2627 |
| 78.90 | 2550 | 150.00 | 158 | 217.00 | 6870 | 323.90 | 469 |
| 80.00 | 2078 | 151.10 | 413 | 217.90 | 862 | 326.70 | 278 |
| 81.00 | 2867 | 151.40 | 432 | 220.90 | 4832 | 327.10 | 251 |
| 82.00 | 901 | 152.30 | 596 | 222.10 | 583 | 328.00 | 404 |
| 83.00 | 810 | 152.90 | 699 | 222.90 | 1526 | 333.10 | 297 |
| 84.00 | 636 | 153.90 | 696 | 224.00 | 10988 | 333.90 | 1260 |
| 84.90 | 699 | 155.10 | 1550 | 224.90 | 3154 | 335.00 | 299 |
| 85.20 | 542 | 156.00 | 1897 | 226.90 | 6639 | 336.00 | 189 |
| 86.10 | 1051 | 157.10 | 309 | 228.00 | 1124 | 340.90 | 288 |
| 86.80 | 351 | 157.80 | 463 | 229.00 | 1208 | 346.10 | 418 |
| 88.10 | 172 | 158.80 | 495 | 230.90 | 526 | 352.00 | 866 |
| 91.00 | 1101 | 159.90 | 710 | 234.00 | 439 | 353.00 | 569 |

| | | | | | | | |
|---------|-------|--------|------|--------|-------|--------|-------|
| 91.90 | 734 | 161.00 | 983 | 234.90 | 473 | 353.90 | 870 |
| 92.90 | 4181 | 162.10 | 326 | 236.10 | 406 | 364.90 | 3002 |
| 93.90 | 483 | 164.90 | 1295 | 236.80 | 528 | 366.00 | 503 |
| 95.00 | 243 | 166.00 | 892 | 239.10 | 243 | 370.80 | 293 |
| 96.10 | 240 | 166.90 | 4151 | 240.10 | 300 | 371.90 | 993 |
| +-----+ | | | | | | | |
| 97.10 | 498 | 168.00 | 1886 | 240.80 | 311 | 382.70 | 383 |
| 98.00 | 4341 | 169.20 | 398 | 241.00 | 320 | 389.90 | 389 |
| 99.00 | 2902 | 170.10 | 297 | 242.00 | 912 | 402.00 | 506 |
| 99.90 | 358 | 170.80 | 289 | 242.90 | 670 | 402.80 | 879 |
| 100.90 | 1238 | 171.90 | 459 | 244.00 | 9087 | 403.50 | 356 |
| +-----+ | | | | | | | |
| 103.00 | 636 | 172.90 | 705 | 245.90 | 2719 | 403.80 | 362 |
| 104.00 | 826 | 173.90 | 925 | 246.80 | 518 | 421.00 | 558 |
| 104.90 | 705 | 174.90 | 1809 | 247.40 | 173 | 423.00 | 3784 |
| 107.00 | 10950 | 176.00 | 429 | 248.90 | 408 | 423.90 | 1045 |
| 108.00 | 1678 | 176.50 | 592 | 252.20 | 253 | 439.40 | 229 |
| +-----+ | | | | | | | |
| 110.00 | 18984 | 177.00 | 643 | 252.80 | 306 | 441.00 | 10979 |
| 111.00 | 2644 | 178.00 | 356 | 254.90 | 48872 | 442.00 | 71056 |
| 112.00 | 793 | 178.90 | 2947 | 255.90 | 7171 | 443.00 | 15089 |
| 115.20 | 181 | 180.00 | 1842 | 257.00 | 591 | 444.90 | 165 |
| 115.90 | 862 | 180.80 | 849 | 257.80 | 2635 | | |
| +-----+ | | | | | | | |
| 117.00 | 10093 | 181.90 | 201 | 259.00 | 553 | | |
| +-----+ | | | | | | | |

TestAmerica Laboratories

Data file : \\tam-chemsvr\chem\SM\BSMSD.i\1D042513.b\1DD25002.D
 Lab Smp Id: DFTPP Client Smp ID: DFTPP
 Inj Date : 25-APR-2013 12:00
 Operator : SCC Inst ID: BSMSD.i
 Smp Info : DFTPP-1525850
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMSD.i\1D042513.b\d-dftpp198.m
 Meth Date : 08-Jan-2013 12:23 cantins Quant Type: ESTD
 Cal Date : Cal File:
 Als bottle: 2 QC Sample: DFTPP
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 4.14 Sample Matrix: None
 Processing Host: TAM1000

| CONCENTRATIONS | | | | | | | | | |
|----------------|--------|--------|------|----------|------------------|---------|--------|-------|--------|
| ON-COL FINAL | | | | | | | | | |
| RT | EXP RT | DLT RT | MASS | RESPONSE | (ug/L) | (ug/L) | TARGET | RANGE | RATIO |
| ==== | ===== | ===== | ==== | ===== | ===== | ===== | ===== | ===== | ===== |
| 1 dftpp | | | | | CAS #: 5074-71-5 | | | | |
| 8.338 | 8.532 | -0.194 | 198 | 72240 | | | 50.00- | 0.00 | 100.00 |
| 8.338 | 8.532 | -0.194 | 51 | 34384 | | | 10.00- | 80.00 | 47.60 |
| 8.338 | 8.532 | -0.194 | 68 | 0 | 0.0 | 0.0 | 0.00- | 2.00 | 0.00 |
| 8.338 | 8.532 | -0.194 | 69 | 34336 | | | 0.00- | 0.00 | 47.53 |
| 8.338 | 8.532 | -0.194 | 70 | 401 | | | 0.00- | 2.00 | 1.17 |
| 8.338 | 8.532 | -0.194 | 127 | 37776 | | | 10.00- | 80.00 | 52.29 |
| 8.338 | 8.532 | -0.194 | 197 | 0 | 0.0 | 0.0 | 0.00- | 2.00 | 0.00 |
| 8.338 | 8.532 | -0.194 | 442 | 55624 | | | 50.00- | 0.00 | 77.00 |
| 8.338 | 8.532 | -0.194 | 199 | 5545 | | | 5.00- | 9.00 | 7.68 |
| 8.338 | 8.532 | -0.194 | 275 | 21896 | | | 10.00- | 60.00 | 30.31 |
| 8.338 | 8.532 | -0.194 | 365 | 2982 | | | 1.00- | 0.00 | 4.13 |
| 8.338 | 8.532 | -0.194 | 441 | 9122 | | | 0.01- | 99.99 | 86.55 |
| 8.338 | 8.532 | -0.194 | 443 | 10539 | | | 15.00- | 24.00 | 18.95 |

Data File: 1DD25002.D

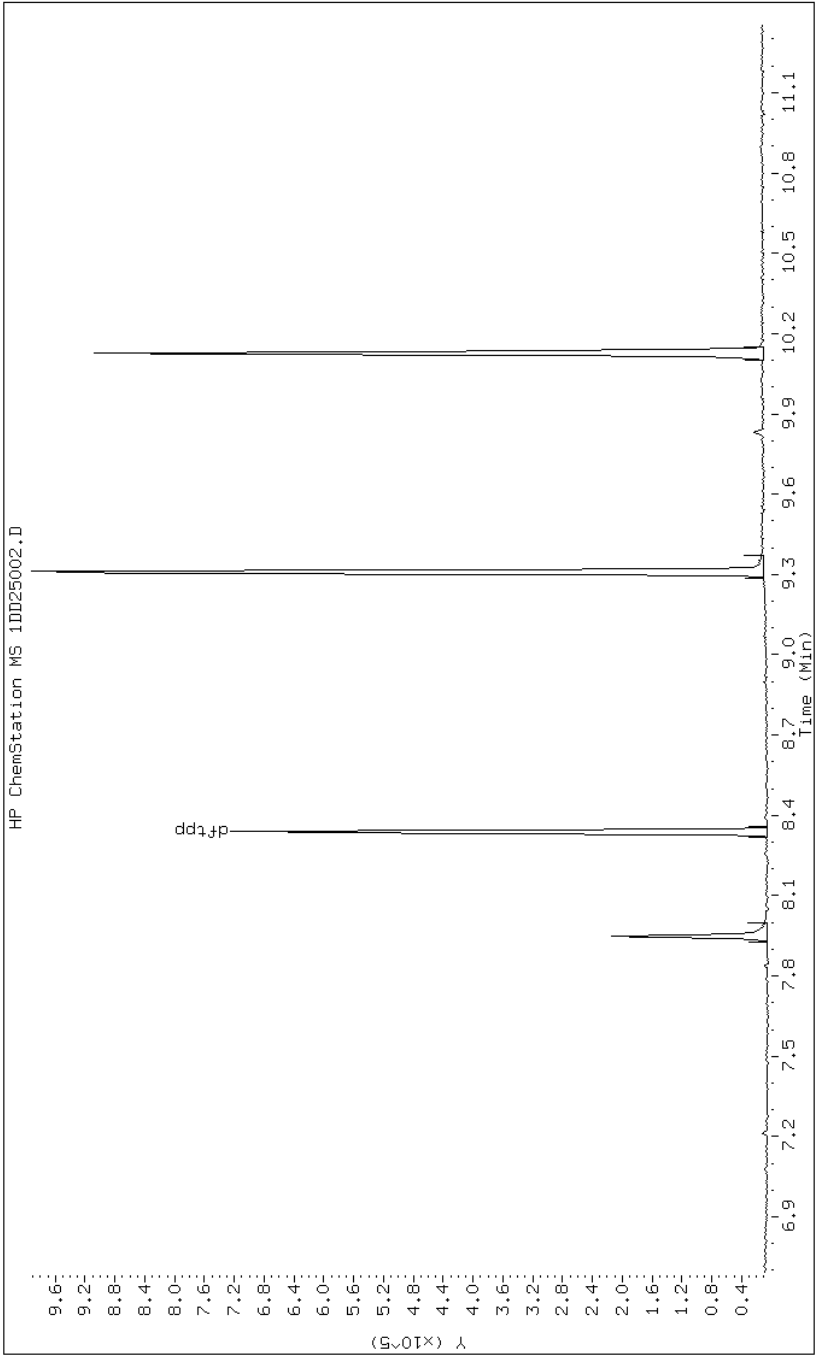
Date: 25-APR-2013 12:00

Client ID: DFTPP

Instrument: BSMSD.i

Sample Info: DFTPP-1525850

Operator: SCC



Data File: 1DD25002.D

Date: 25-APR-2013 12:00

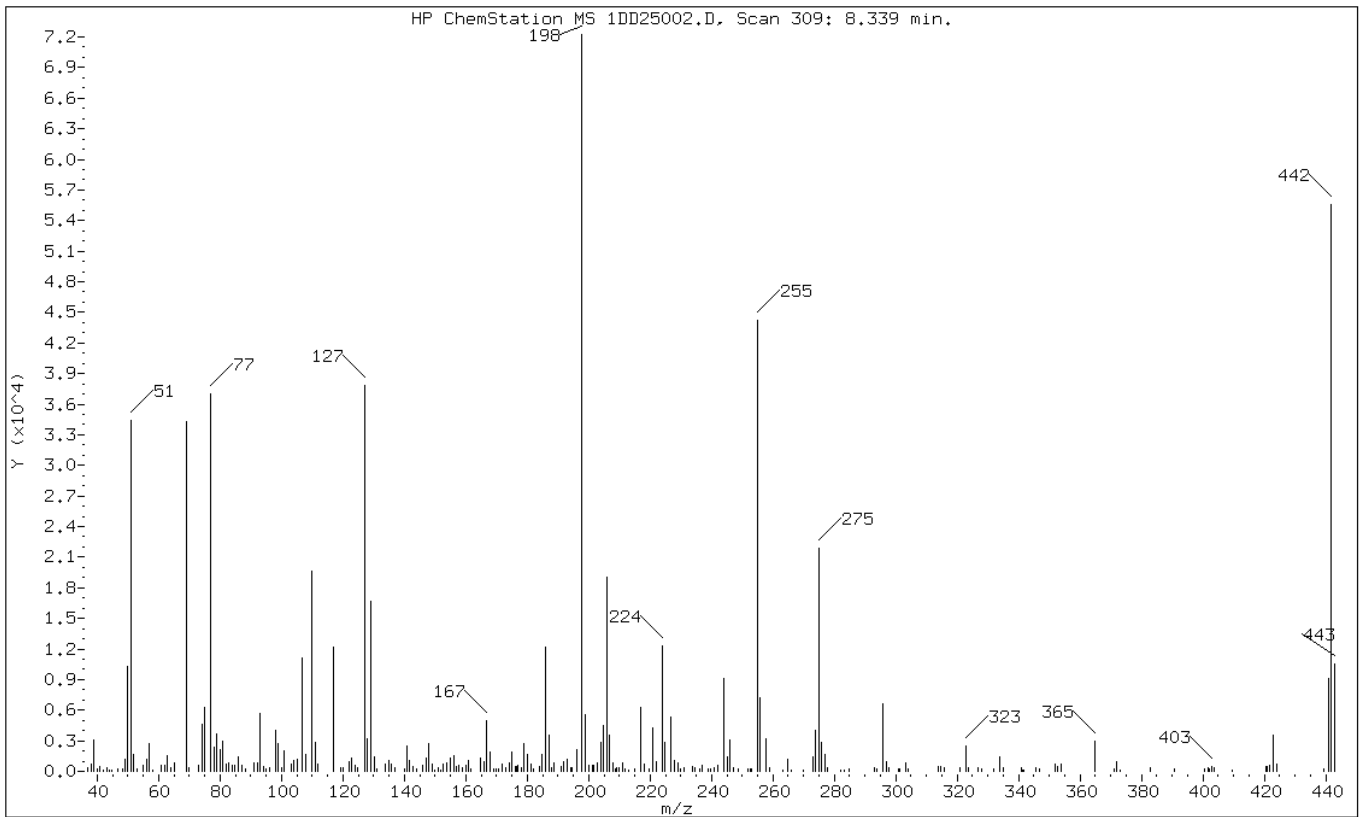
Client ID: DFTPP

Instrument: BSMSD.i

Sample Info: DFTPP-1525850

Operator: SCC

1 dftpp



| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 198 | Base Peak, 100% relative abundance | 100.00 |
| 51 | 10.00 - 80.00% of mass 198 | 47.60 |
| 68 | Less than 2.00% of mass 69 | 0.00 (0.00) |
| 69 | Mass 69 relative abundance | 47.53 |
| 70 | Less than 2.00% of mass 69 | 0.56 (1.17) |
| 127 | 10.00 - 80.00% of mass 198 | 52.29 |
| 197 | Less than 2.00% of mass 198 | 0.00 |
| 442 | Greater than 50.00% of mass 198 | 77.00 |
| 199 | 5.00 - 9.00% of mass 198 | 7.68 |
| 275 | 10.00 - 60.00% of mass 198 | 30.31 |
| 365 | Greater than 1.00% of mass 198 | 4.13 |
| 441 | Present, but less than mass 443 | 12.63 |
| 443 | 15.00 - 24.00% of mass 442 | 14.59 (18.95) |

Data File: 1DD25002.D

Date: 25-APR-2013 12:00

Client ID: DFTPP

Instrument: BSMSD.i

Sample Info: DFTPP-1525850

Operator: SCC

Data File: \\tam-chemsvr\chem\SM\BSMSD.i\1D042513.b\1DD25002.D

Spectrum: HP ChemStation MS 1DD25002.D, Scan 309: 8.339 min.

Location of Maximum: 197.90

Number of points: 244

| m/z | Y | m/z | Y | m/z | Y | m/z | Y |
|-------|-------|--------|-------|--------|-------|--------|-------|
| 36.90 | 360 | 119.10 | 308 | 188.90 | 862 | 272.90 | 1395 |
| 38.10 | 721 | 119.90 | 352 | 191.00 | 525 | 273.90 | 4040 |
| 39.00 | 3050 | 122.00 | 930 | 192.00 | 994 | 275.00 | 21896 |
| 40.10 | 282 | 122.90 | 1269 | 193.10 | 1138 | 275.90 | 2818 |
| 41.00 | 505 | 123.90 | 598 | 194.10 | 337 | 276.80 | 1610 |
| 42.00 | 153 | 124.90 | 389 | 194.60 | 323 | 277.80 | 338 |
| 43.10 | 385 | 127.00 | 37776 | 196.00 | 2152 | 281.90 | 171 |
| 43.90 | 173 | 128.00 | 3147 | 197.90 | 72240 | 283.20 | 171 |
| 44.90 | 175 | 129.00 | 16632 | 198.90 | 5545 | 284.90 | 204 |
| 46.90 | 210 | 130.10 | 1381 | 200.10 | 616 | 292.90 | 385 |
| 48.10 | 243 | 131.20 | 231 | 201.40 | 554 | 294.00 | 181 |
| 49.10 | 1174 | 133.90 | 687 | 201.60 | 576 | 295.90 | 6625 |
| 50.00 | 10272 | 135.00 | 1065 | 202.90 | 871 | 296.90 | 972 |
| 51.00 | 34384 | 135.90 | 676 | 204.00 | 2886 | 297.70 | 300 |
| 52.00 | 1656 | 137.10 | 408 | 204.90 | 4481 | 301.00 | 204 |
| 53.00 | 247 | 139.90 | 267 | 205.90 | 19088 | 301.40 | 191 |
| 55.00 | 622 | 141.00 | 2467 | 206.90 | 3573 | 303.10 | 815 |
| 56.00 | 1182 | 141.80 | 1021 | 208.00 | 770 | 304.00 | 209 |
| 57.00 | 2765 | 142.80 | 515 | 208.60 | 265 | 313.70 | 464 |
| 57.90 | 162 | 144.10 | 249 | 209.10 | 351 | 314.80 | 433 |
| 60.90 | 628 | 146.00 | 640 | 209.70 | 408 | 315.90 | 351 |
| 61.90 | 594 | 147.00 | 1242 | 210.90 | 871 | 321.00 | 380 |
| 62.90 | 1517 | 147.90 | 2719 | 211.70 | 269 | 323.00 | 2538 |
| 64.10 | 323 | 148.90 | 676 | 213.00 | 168 | 323.80 | 355 |
| 65.00 | 785 | 149.90 | 151 | 214.90 | 247 | 326.90 | 412 |
| 69.00 | 34336 | 151.10 | 396 | 216.90 | 6311 | 327.80 | 233 |
| 70.00 | 401 | 151.90 | 171 | 218.00 | 747 | 331.80 | 211 |
| 73.00 | 605 | 152.80 | 652 | 219.80 | 227 | 334.00 | 1476 |
| 74.00 | 4579 | 153.90 | 788 | 221.00 | 4234 | 335.10 | 329 |
| 75.00 | 6255 | 155.10 | 1270 | 221.90 | 1001 | 340.80 | 309 |
| 77.00 | 37040 | 156.00 | 1509 | 224.00 | 12272 | 341.40 | 165 |
| 78.00 | 2312 | 156.90 | 418 | 224.90 | 2864 | 341.80 | 160 |
| 78.90 | 3618 | 157.80 | 634 | 226.90 | 5281 | 345.70 | 408 |
| 80.00 | 2137 | 159.00 | 343 | 227.90 | 1071 | 346.90 | 220 |
| 81.00 | 2901 | 160.00 | 624 | 229.00 | 845 | 351.80 | 683 |
| 81.90 | 652 | 160.90 | 1040 | 229.90 | 235 | 352.80 | 475 |
| 82.10 | 632 | 161.80 | 210 | 231.20 | 303 | 353.90 | 710 |
| 82.90 | 876 | 164.90 | 1334 | 233.80 | 414 | 364.90 | 2982 |
| 83.90 | 625 | 166.00 | 889 | 234.80 | 400 | 371.20 | 213 |
| 84.90 | 606 | 166.90 | 5007 | 236.10 | 276 | 372.00 | 994 |

| | | | | | | | |
|--------|-------|--------|-------|--------|-------|--------|-------|
| 85.90 | 1473 | 167.90 | 1902 | 236.90 | 564 | 373.00 | 160 |
| 87.00 | 633 | 168.90 | 275 | 238.90 | 228 | 382.90 | 380 |
| 88.20 | 205 | 169.10 | 261 | 239.80 | 184 | 390.90 | 184 |
| 91.00 | 789 | 169.70 | 205 | 240.90 | 348 | 400.70 | 209 |
| 92.20 | 817 | 170.80 | 193 | 242.00 | 604 | 401.70 | 355 |
| 92.90 | 5674 | 172.00 | 688 | 244.00 | 9162 | 402.20 | 248 |
| 94.10 | 493 | 172.90 | 356 | 245.10 | 1372 | 402.90 | 518 |
| 95.10 | 229 | 174.00 | 875 | 245.90 | 3077 | 403.50 | 374 |
| 96.00 | 405 | 174.90 | 1861 | 247.20 | 383 | 409.60 | 153 |
| 97.90 | 4027 | 176.00 | 475 | 248.80 | 248 | 420.70 | 429 |
| 99.00 | 2694 | 176.40 | 529 | 251.80 | 183 | 421.00 | 478 |
| 100.20 | 335 | 177.00 | 607 | 252.60 | 203 | 421.80 | 587 |
| 101.00 | 2011 | 178.00 | 371 | 252.90 | 180 | 422.90 | 3575 |
| 103.00 | 689 | 179.00 | 2754 | 253.20 | 179 | 423.90 | 733 |
| 103.90 | 1068 | 179.90 | 1605 | 254.90 | 44240 | 439.30 | 181 |
| 105.00 | 1133 | 181.10 | 762 | 255.90 | 7166 | 441.00 | 9122 |
| 106.90 | 11166 | 181.90 | 190 | 257.90 | 3216 | 441.90 | 55624 |
| 107.90 | 1653 | 183.90 | 472 | 259.10 | 373 | 442.90 | 10539 |
| 110.00 | 19608 | 184.90 | 1652 | 263.40 | 151 | | |
| 110.90 | 2784 | 186.00 | 12172 | 264.90 | 1162 | | |
| 111.90 | 651 | 187.00 | 3521 | 265.90 | 159 | | |
| 116.90 | 12173 | 188.10 | 329 | 270.00 | 154 | | |

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-89516-1
 SDG No.: 68089516-1
 Client Sample ID: _____ Lab Sample ID: MB 660-136752/1-A
 Matrix: Solid Lab File ID: 1DD24014.D
 Analysis Method: 8270C LL Date Collected: _____
 Extract. Method: 3546 Date Extracted: 04/23/2013 14:49
 Sample wt/vol: 15.31(g) Date Analyzed: 04/24/2013 16:55
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 136826 Units: ug/Kg

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|----------|------------------------|--------|---|-----|-----|
| 83-32-9 | Acenaphthene | 98 | U | 98 | 20 |
| 208-96-8 | Acenaphthylene | 39 | U | 39 | 4.9 |
| 120-12-7 | Anthracene | 8.2 | U | 8.2 | 4.1 |
| 56-55-3 | Benzo[a]anthracene | 7.8 | U | 7.8 | 3.8 |
| 50-32-8 | Benzo[a]pyrene | 10 | U | 10 | 5.1 |
| 205-99-2 | Benzo[b]fluoranthene | 12 | U | 12 | 6.0 |
| 191-24-2 | Benzo[g,h,i]perylene | 20 | U | 20 | 4.3 |
| 207-08-9 | Benzo[k]fluoranthene | 7.8 | U | 7.8 | 3.5 |
| 218-01-9 | Chrysene | 8.8 | U | 8.8 | 4.4 |
| 53-70-3 | Dibenz(a,h)anthracene | 20 | U | 20 | 4.0 |
| 206-44-0 | Fluoranthene | 20 | U | 20 | 3.9 |
| 86-73-7 | Fluorene | 20 | U | 20 | 4.0 |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 20 | U | 20 | 7.0 |
| 90-12-0 | 1-Methylnaphthalene | 39 | U | 39 | 4.3 |
| 91-57-6 | 2-Methylnaphthalene | 39 | U | 39 | 7.0 |
| 91-20-3 | Naphthalene | 39 | U | 39 | 4.3 |
| 85-01-8 | Phenanthrene | 7.8 | U | 7.8 | 3.8 |
| 129-00-0 | Pyrene | 20 | U | 20 | 3.6 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---------|-------------|------|---|--------|
| 84-15-1 | o-Terphenyl | 62 | | 30-130 |

TestAmerica Laboratories

Semivolatile 8270 low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMSD.i\1D042413.b\1DD24014.D
 Lab Smp Id: MB 660-136752/1-A
 Inj Date : 24-APR-2013 16:55
 Operator : SCC Inst ID: BSMSD.i
 Smp Info : MB 660-136752/1-A
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMSD.i\1D042413.b\dFASTPAHi.m
 Meth Date : 24-Apr-2013 13:05 cantins Quant Type: ISTD
 Cal Date : 04-APR-2013 16:04 Cal File: 1DD04013.D
 Als bottle: 14 QC Sample: BLANK
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

Concentration Formula:

$$\text{Amt} * \text{DF} * 1/\text{Vi} * \text{Vt}/\text{Ws} * 100/(100 - \text{M}) * \text{A} * \text{B} * \text{C} * \text{D} * \text{GPC} * \text{CpndVariable}$$

| Name | Value | Description |
|---------------|----------|---|
| DF | 1.000 | Dilution Factor |
| Vi | 1.000 | Injection Volume |
| Vt | 1.000 | Final Volume |
| Ws | 15.310 | Weight Extracted |
| M | 0.00000 | % Moisture |
| A | 1000.000 | uL to mL conversion |
| B | 1000.000 | g to kg conversion |
| C | 0.00100 | ng to ug conversion |
| D | 1.000 | ug to mg conversion(value = 1 if no conv) |
| GPC | 1.000 | GPC FACTOR |
| Cpnd Variable | | Local Compound Variable |

| Compounds | QUANT | SIG | MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS | |
|----------------------|-------|-----|--------|--------|---------|---------|----------|----------------------|------------------|
| | | | | | | | | ON-COLUMN (ug/l) | FINAL (ug/Kg) |
| * 1 Naphthalene-d8 | 136 | | 6.045 | 6.049 | (1.000) | 2776941 | 40.0000 | | |
| * 6 Acenaphthene-d10 | 164 | | 7.731 | 7.730 | (1.000) | 1716814 | 40.0000 | | |
| * 9 Phenanthrene-d10 | 188 | | 8.989 | 8.993 | (1.000) | 2751589 | 40.0000 | | |
| \$ 13 o-Terphenyl | 230 | | 9.294 | 9.298 | (1.034) | 255008 | 6.15082 | 400 | |
| * 17 Chrysene-d12 | 240 | | 11.298 | 11.302 | (1.000) | 2681161 | 40.0000 | | |
| * 22 Perylene-d12 | 264 | | 13.119 | 13.123 | (1.000) | 2646796 | 40.0000 | | |
| 10 Phenanthrene | 178 | | 9.006 | 9.010 | (1.002) | 2818 | 0.03718 | 2.4(M) | |

QC Flag Legend

M - Compound response manually integrated.

Data File: 1DD24014.D

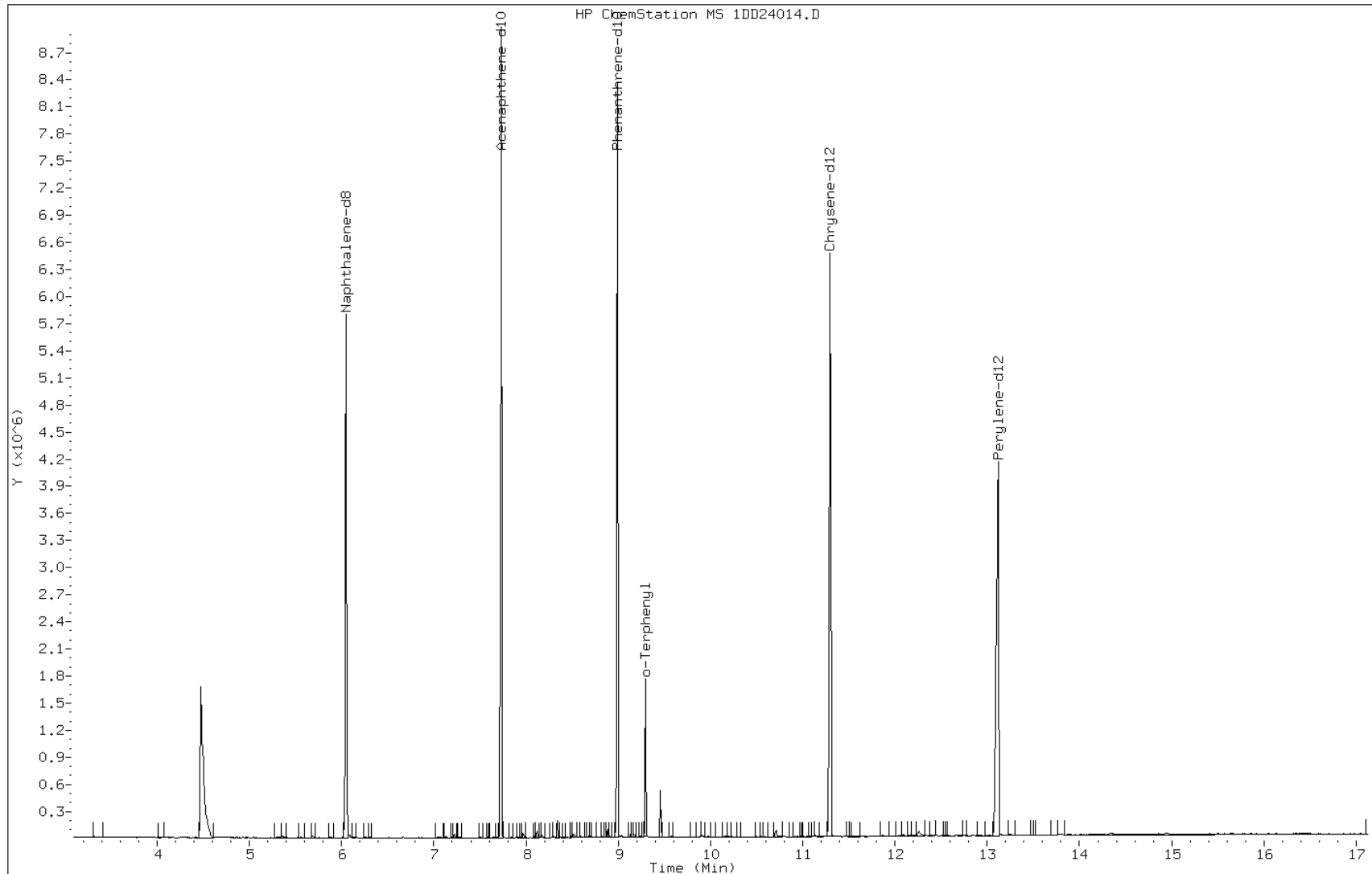
Date: 24-APR-2013 16:55

Client ID:

Instrument: BSMSD.i

Sample Info: MB 660-136752/1-A

Operator: SCC

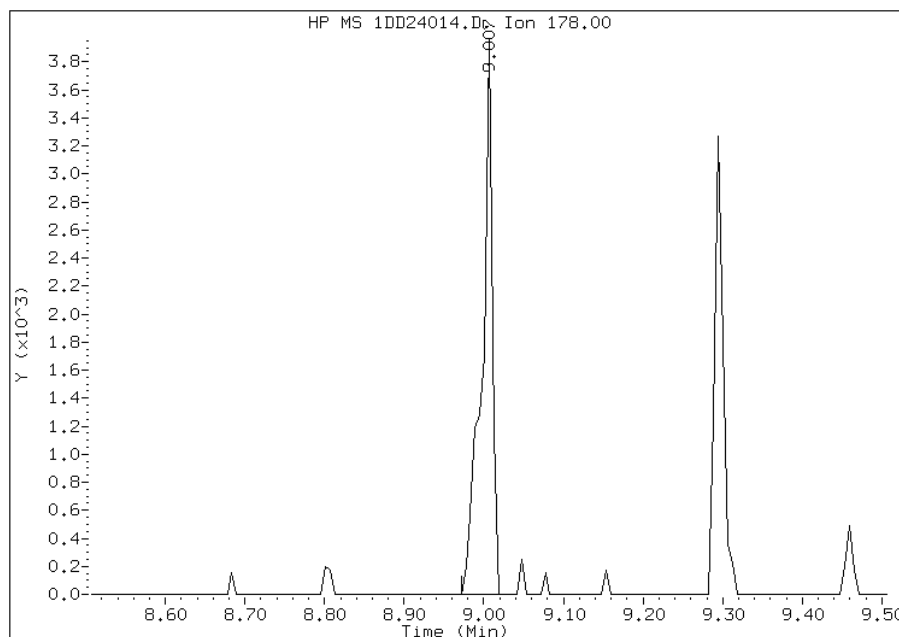


Manual Integration Report

Data File: 1DD24014.D
Inj. Date and Time: 24-APR-2013 16:55
Instrument ID: BSMSD.i
Client ID:
Compound: 10 Phenanthrene
CAS #: 85-01-8
Report Date: 04/25/2013

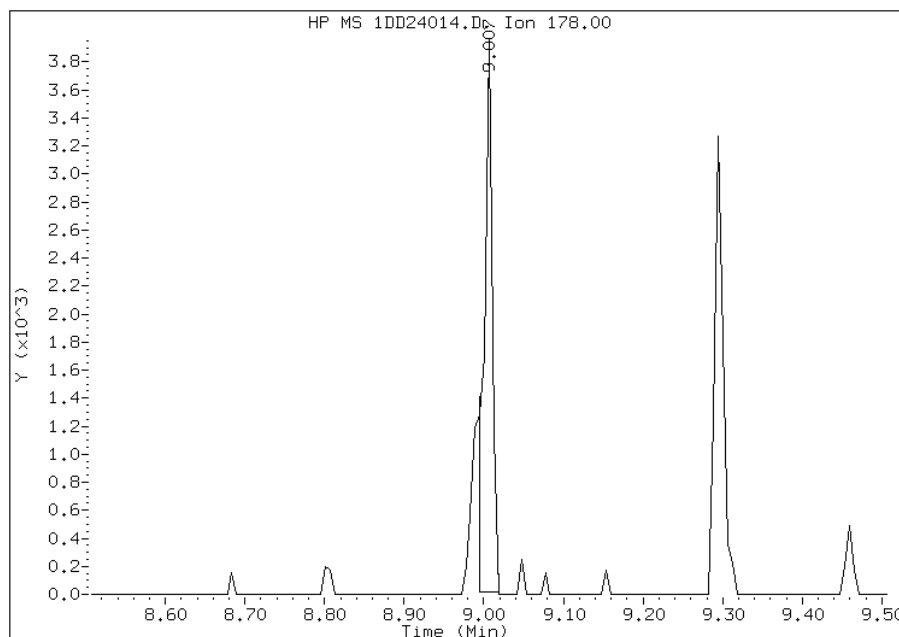
Processing Integration Results

RT: 9.01
Response: 3539
Amount: 0
Conc: 3



Manual Integration Results

RT: 9.01
Response: 2818
Amount: 0
Conc: 2



Manually Integrated By: cantins
Modification Date: 25-Apr-2013 13:09
Manual Integration Reason: Baseline Event

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-89516-1
 SDG No.: 68089516-1
 Client Sample ID: _____ Lab Sample ID: MB 660-136774/1-A
 Matrix: Solid Lab File ID: 1DD25005.D
 Analysis Method: 8270C LL Date Collected: _____
 Extract. Method: 3546 Date Extracted: 04/24/2013 09:50
 Sample wt/vol: 15.21(g) Date Analyzed: 04/25/2013 15:03
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 136899 Units: ug/Kg

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|----------|------------------------|--------|---|-----|-----|
| 83-32-9 | Acenaphthene | 99 | U | 99 | 20 |
| 208-96-8 | Acenaphthylene | 39 | U | 39 | 4.9 |
| 120-12-7 | Anthracene | 8.3 | U | 8.3 | 4.1 |
| 56-55-3 | Benzo[a]anthracene | 7.9 | U | 7.9 | 3.8 |
| 50-32-8 | Benzo[a]pyrene | 10 | U | 10 | 5.1 |
| 205-99-2 | Benzo[b]fluoranthene | 12 | U | 12 | 6.0 |
| 191-24-2 | Benzo[g,h,i]perylene | 20 | U | 20 | 4.3 |
| 207-08-9 | Benzo[k]fluoranthene | 7.9 | U | 7.9 | 3.6 |
| 218-01-9 | Chrysene | 8.9 | U | 8.9 | 4.4 |
| 53-70-3 | Dibenz(a,h)anthracene | 20 | U | 20 | 4.0 |
| 206-44-0 | Fluoranthene | 20 | U | 20 | 3.9 |
| 86-73-7 | Fluorene | 20 | U | 20 | 4.0 |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 20 | U | 20 | 7.0 |
| 90-12-0 | 1-Methylnaphthalene | 39 | U | 39 | 4.3 |
| 91-57-6 | 2-Methylnaphthalene | 39 | U | 39 | 7.0 |
| 91-20-3 | Naphthalene | 39 | U | 39 | 4.3 |
| 85-01-8 | Phenanthrene | 7.9 | U | 7.9 | 3.8 |
| 129-00-0 | Pyrene | 20 | U | 20 | 3.6 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---------|-------------|------|---|--------|
| 84-15-1 | o-Terphenyl | 73 | | 30-130 |

TestAmerica Laboratories

Semivolatile 8270 low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMSD.i\1D042513.b\1DD25005.D
 Lab Smp Id: MB 660-136774/1-A
 Inj Date : 25-APR-2013 15:03
 Operator : SCC Inst ID: BSMSD.i
 Smp Info : MB 660-136774/1-A
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMSD.i\1D042513.b\dFASTPAHi.m
 Meth Date : 25-Apr-2013 12:42 cantins Quant Type: ISTD
 Cal Date : 04-APR-2013 16:04 Cal File: 1DD04013.D
 Als bottle: 5 QC Sample: BLANK
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

Concentration Formula:

$$\text{Amt} * \text{DF} * 1/\text{Vi} * \text{Vt}/\text{Ws} * 100/(100 - \text{M}) * \text{A} * \text{B} * \text{C} * \text{D} * \text{GPC} * \text{CpndVariable}$$

| Name | Value | Description |
|---------------|----------|--|
| DF | 1.000 | Dilution Factor |
| Vi | 1.000 | Injection Volume |
| Vt | 1.000 | Final Volume |
| Ws | 15.210 | Weight Extracted |
| M | 0.00000 | % Moisture |
| A | 1000.000 | uL to mL conversion |
| B | 1000.000 | g to kg conversion |
| C | 0.00100 | ng to ug conversion |
| D | 1.000 | ug to mg conversion(value = 1 if no conv |
| GPC | 1.000 | GPC FACTOR |
| Cpnd Variable | | Local Compound Variable |

| Compounds | QUANT | SIG | MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS | |
|----------------------|-------|-----|--------|--------|---------|---------|----------|----------------------|------------------|
| | | | | | | | | ON-COLUMN (ug/l) | FINAL (ug/Kg) |
| * 1 Naphthalene-d8 | 136 | | 6.048 | 6.049 | (1.000) | 2384477 | 40.0000 | | |
| * 6 Acenaphthene-d10 | 164 | | 7.728 | 7.729 | (1.000) | 1549890 | 40.0000 | | |
| * 9 Phenanthrene-d10 | 188 | | 8.991 | 8.992 | (1.000) | 2537023 | 40.0000 | | |
| \$ 13 o-Terphenyl | 230 | | 9.297 | 9.298 | (1.034) | 279797 | 7.31950 | 480 | |
| * 17 Chrysene-d12 | 240 | | 11.306 | 11.307 | (1.000) | 2547187 | 40.0000 | | |
| * 22 Perylene-d12 | 264 | | 13.128 | 13.129 | (1.000) | 2556822 | 40.0000 | | |
| 10 Phenanthrene | 178 | | 9.009 | 9.010 | (1.002) | 2381 | 0.03407 | 2.2(Q) | |
| 14 Fluoranthene | 202 | | 9.990 | 9.997 | (1.111) | 2263 | 0.03147 | 2.1 | |

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: 1DD25005.D

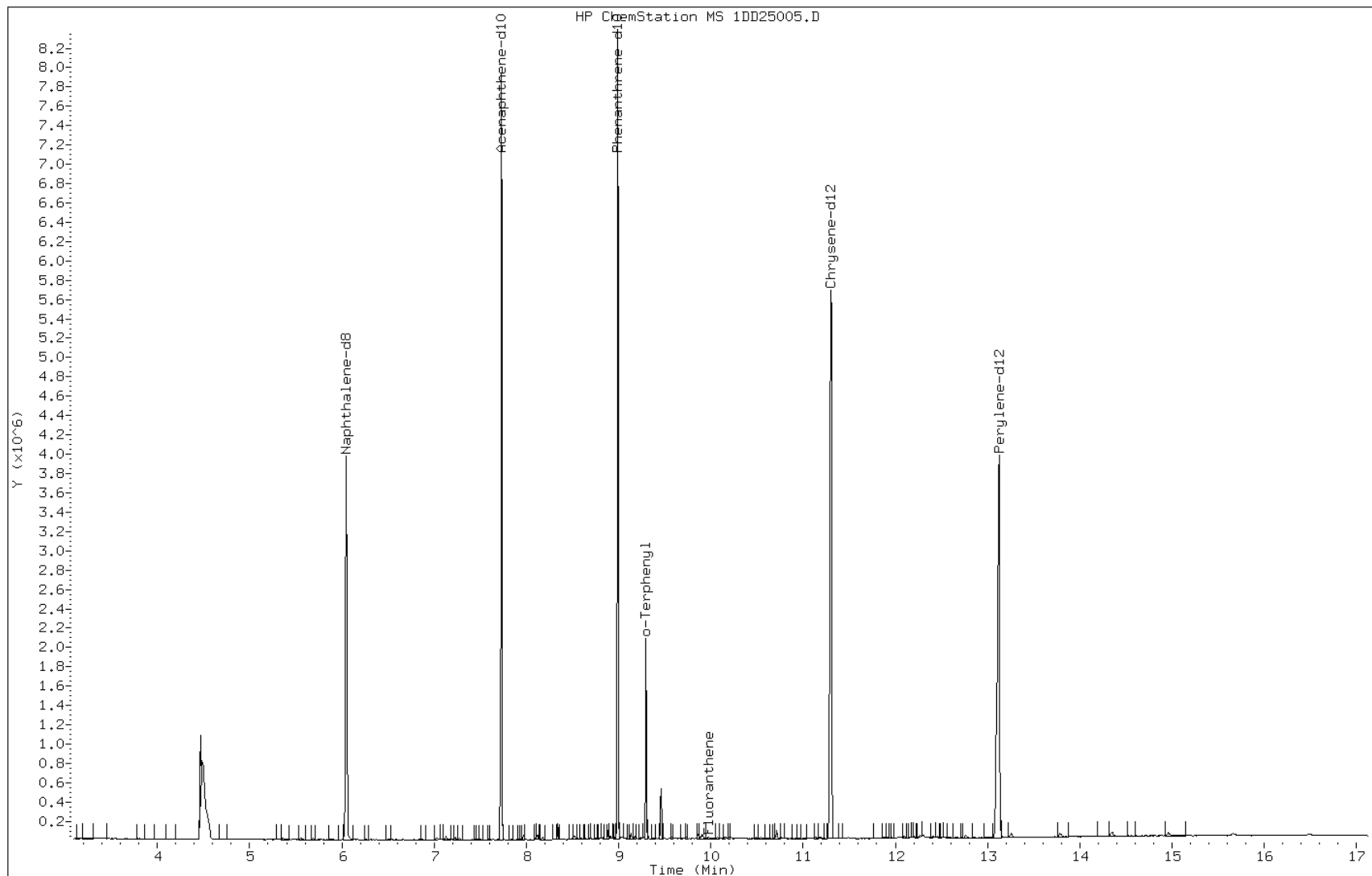
Date: 25-APR-2013 15:03

Client ID:

Instrument: BSMSD.i

Sample Info: MB 660-136774/1-A

Operator: SCC



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-89516-1
 SDG No.: 68089516-1
 Client Sample ID: _____ Lab Sample ID: MB 660-136818/1-A
 Matrix: Solid Lab File ID: 1AD26011.D
 Analysis Method: 8270C LL Date Collected: _____
 Extract. Method: 3546 Date Extracted: 04/25/2013 09:13
 Sample wt/vol: 15.26(g) Date Analyzed: 04/26/2013 13:49
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 136892 Units: ug/Kg

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|----------|------------------------|--------|---|-----|-----|
| 83-32-9 | Acenaphthene | 98 | U | 98 | 20 |
| 208-96-8 | Acenaphthylene | 39 | U | 39 | 4.9 |
| 120-12-7 | Anthracene | 8.3 | U | 8.3 | 4.1 |
| 56-55-3 | Benzo[a]anthracene | 7.9 | U | 7.9 | 3.8 |
| 50-32-8 | Benzo[a]pyrene | 10 | U | 10 | 5.1 |
| 205-99-2 | Benzo[b]fluoranthene | 12 | U | 12 | 6.0 |
| 191-24-2 | Benzo[g,h,i]perylene | 20 | U | 20 | 4.3 |
| 207-08-9 | Benzo[k]fluoranthene | 7.9 | U | 7.9 | 3.5 |
| 218-01-9 | Chrysene | 8.8 | U | 8.8 | 4.4 |
| 53-70-3 | Dibenz(a,h)anthracene | 20 | U | 20 | 4.0 |
| 206-44-0 | Fluoranthene | 20 | U | 20 | 3.9 |
| 86-73-7 | Fluorene | 20 | U | 20 | 4.0 |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 20 | U | 20 | 7.0 |
| 90-12-0 | 1-Methylnaphthalene | 39 | U | 39 | 4.3 |
| 91-57-6 | 2-Methylnaphthalene | 39 | U | 39 | 7.0 |
| 91-20-3 | Naphthalene | 39 | U | 39 | 4.3 |
| 85-01-8 | Phenanthrene | 7.9 | U | 7.9 | 3.8 |
| 129-00-0 | Pyrene | 20 | U | 20 | 3.6 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---------|-------------|------|---|--------|
| 84-15-1 | o-Terphenyl | 68 | | 30-130 |

TestAmerica Laboratories

Semivolatiles 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMA5973.i\1A042613_IC.b\1AD26011.D
 Lab Smp Id: mb 660-136818/1-a
 Inj Date : 26-APR-2013 13:49
 Operator : SCC
 Smp Info : mb 660-136818/1-a
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMA5973.i\1A042613_IC.b\a-bFASTPAHi-m.m
 Meth Date : 26-Apr-2013 14:21 cantins Quant Type: ISTD
 Cal Date : 26-APR-2013 11:34 Cal File: 1AD26009.D
 Als bottle: 11 QC Sample: BLANK
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

Concentration Formula:

$$\text{Amt} * \text{DF} * 1/\text{Vi} * \text{Vt}/\text{Ws} * 100/(100 - \text{M}) * \text{A} * \text{B} * \text{C} * \text{D} * \text{GPC} * \text{CpndVariable}$$

| Name | Value | Description |
|---------------|----------|---|
| DF | 1.000 | Dilution Factor |
| Vi | 1.000 | Injection Volume |
| Vt | 1.000 | Final Volume |
| Ws | 15.260 | Weight Extracted |
| M | 0.00000 | % Moisture |
| A | 1000.000 | uL to mL conversion |
| B | 1000.000 | g to kg conversion |
| C | 0.00100 | ng to ug conversion |
| D | 1.000 | ug to mg conversion(value = 1 if no conv) |
| GPC | 1.000 | GPC FACTOR |
| Cpnd Variable | | Local Compound Variable |

| Compounds | QUANT | SIG | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS | |
|-----------------------|-------|-----|-------|--------|---------|----------|----------------|----------|
| | | | | | | | ON-COLUMN | FINAL |
| | MASS | | | | | | (ug/ml) | (ug/Kg) |
| * 1 Naphthalene-d8 | 136 | | 2.578 | 2.581 | (1.000) | 2968613 | 40.0000 | |
| * 6 Acenaphthene-d10 | 164 | | 3.609 | 3.606 | (1.000) | 1385083 | 40.0000 | |
| * 10 Phenanthrene-d10 | 188 | | 4.566 | 4.563 | (1.000) | 2361349 | 40.0000 | |
| \$ 14 o-Terphenyl | 230 | | 4.865 | 4.862 | (1.066) | 263001 | 6.80940 | 446.2254 |
| * 18 Chrysene-d12 | 240 | | 6.585 | 6.582 | (1.000) | 2459989 | 40.0000 | |
| * 23 Perylene-d12 | 264 | | 7.696 | 7.666 | (1.000) | 2558467 | 40.0000 | |

Data File: 1AD26011.D

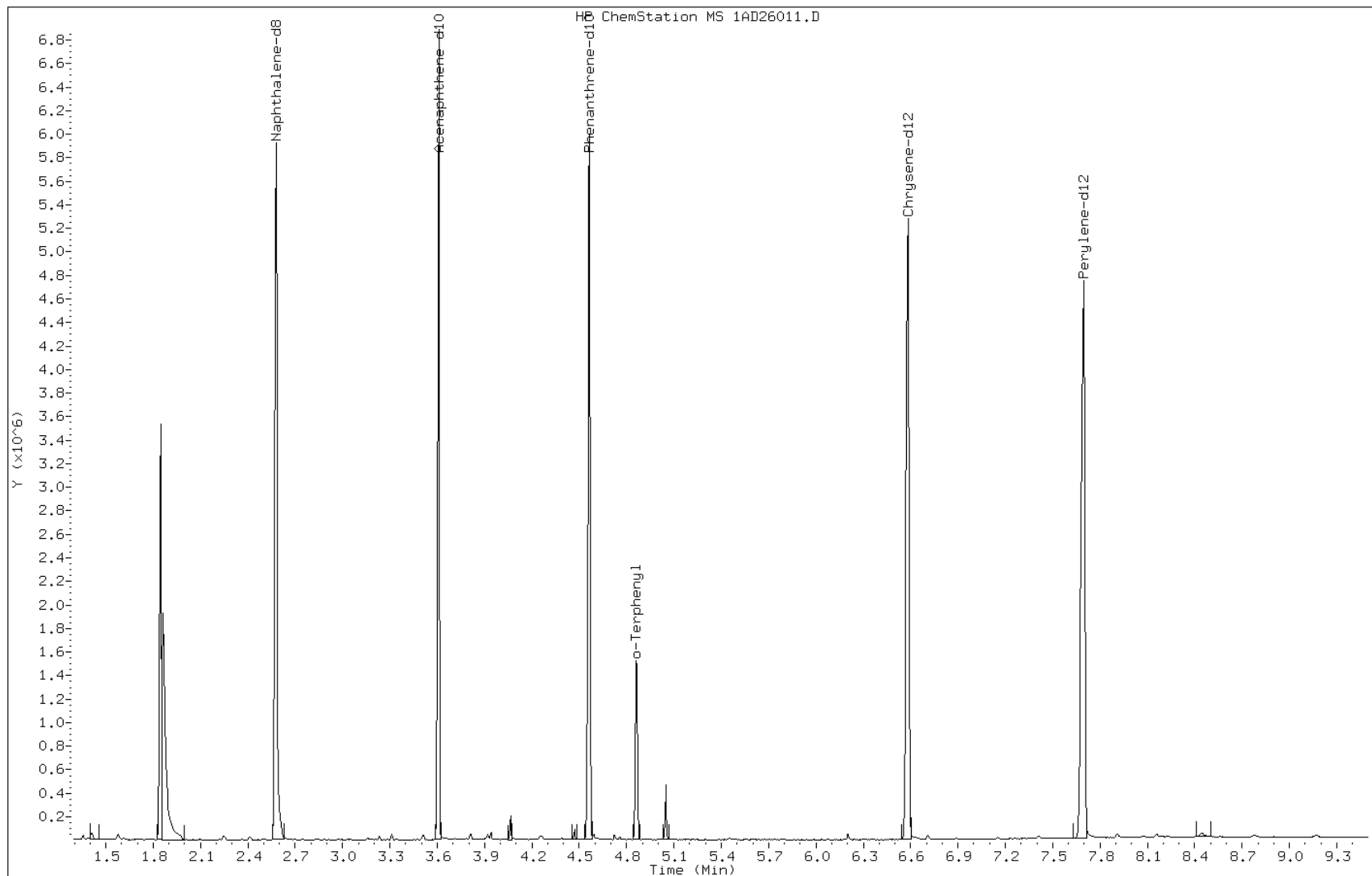
Date: 26-APR-2013 13:49

Client ID:

Instrument: BSMA5973.i

Sample Info: mb 660-136818/1-a

Operator: SCC



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-89516-1
 SDG No.: 68089516-1
 Client Sample ID: _____ Lab Sample ID: LCS 660-136752/2-A
 Matrix: Solid Lab File ID: 1DD24015.D
 Analysis Method: 8270C LL Date Collected: _____
 Extract. Method: 3546 Date Extracted: 04/23/2013 14:49
 Sample wt/vol: 15.23(g) Date Analyzed: 04/24/2013 17:18
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 136826 Units: ug/Kg

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|----------|------------------------|--------|---|-----|-----|
| 83-32-9 | Acenaphthene | 486 | | 98 | 20 |
| 208-96-8 | Acenaphthylene | 507 | | 39 | 4.9 |
| 120-12-7 | Anthracene | 496 | | 8.3 | 4.1 |
| 56-55-3 | Benzo[a]anthracene | 547 | | 7.9 | 3.8 |
| 50-32-8 | Benzo[a]pyrene | 494 | | 10 | 5.1 |
| 205-99-2 | Benzo[b]fluoranthene | 577 | | 12 | 6.0 |
| 191-24-2 | Benzo[g,h,i]perylene | 548 | | 20 | 4.3 |
| 207-08-9 | Benzo[k]fluoranthene | 542 | | 7.9 | 3.5 |
| 218-01-9 | Chrysene | 513 | | 8.9 | 4.4 |
| 53-70-3 | Dibenz(a,h)anthracene | 574 | | 20 | 4.0 |
| 206-44-0 | Fluoranthene | 534 | | 20 | 3.9 |
| 86-73-7 | Fluorene | 528 | | 20 | 4.0 |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 535 | | 20 | 7.0 |
| 90-12-0 | 1-Methylnaphthalene | 503 | | 39 | 4.3 |
| 91-57-6 | 2-Methylnaphthalene | 498 | | 39 | 7.0 |
| 91-20-3 | Naphthalene | 478 | | 39 | 4.3 |
| 85-01-8 | Phenanthrene | 485 | | 7.9 | 3.8 |
| 129-00-0 | Pyrene | 518 | | 20 | 3.6 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---------|-------------|------|---|--------|
| 84-15-1 | o-Terphenyl | 75 | | 30-130 |

TestAmerica Laboratories

Semivolatiles 8270 low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMSD.i\1D042413.b\1DD24015.D
 Lab Smp Id: LCS 660-136752/2-A
 Inj Date : 24-APR-2013 17:18
 Operator : SCC Inst ID: BSMSD.i
 Smp Info : LCS 660-136752/2-A
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMSD.i\1D042413.b\dFASTPAHi.m
 Meth Date : 24-Apr-2013 13:05 cantins Quant Type: ISTD
 Cal Date : 04-APR-2013 16:04 Cal File: 1DD04013.D
 Als bottle: 15 QC Sample: LCS
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

Concentration Formula:

$$\text{Amt} * \text{DF} * 1/\text{Vi} * \text{Vt}/\text{Ws} * 100/(100 - \text{M}) * \text{A} * \text{B} * \text{C} * \text{D} * \text{GPC} * \text{CpndVariable}$$

| Name | Value | Description |
|---------------|----------|---|
| DF | 1.000 | Dilution Factor |
| Vi | 1.000 | Injection Volume |
| Vt | 1.000 | Final Volume |
| Ws | 15.230 | Weight Extracted |
| M | 0.00000 | % Moisture |
| A | 1000.000 | uL to mL conversion |
| B | 1000.000 | g to kg conversion |
| C | 0.00100 | ng to ug conversion |
| D | 1.000 | ug to mg conversion(value = 1 if no conv) |
| GPC | 1.000 | GPC FACTOR |
| Cpnd Variable | | Local Compound Variable |

| Compounds | QUANT | SIG | MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS | |
|-----------------------|-------|-----|--------|--------|---------|---------|----------|----------------------|------------------|
| | | | | | | | | ON-COLUMN (ug/l) | FINAL (ug/Kg) |
| * 1 Naphthalene-d8 | 136 | | 6.048 | 6.049 | (1.000) | 2121388 | 40.0000 | | |
| * 6 Acenaphthene-d10 | 164 | | 7.729 | 7.730 | (1.000) | 1279631 | 40.0000 | | |
| * 9 Phenanthrene-d10 | 188 | | 8.992 | 8.993 | (1.000) | 2148959 | 40.0000 | | |
| \$ 13 o-Terphenyl | 230 | | 9.298 | 9.298 | (1.034) | 243209 | 7.51128 | 490 | |
| * 17 Chrysene-d12 | 240 | | 11.295 | 11.302 | (1.000) | 2097144 | 40.0000 | | |
| * 22 Perylene-d12 | 264 | | 13.111 | 13.123 | (1.000) | 2063943 | 40.0000 | | |
| 2 Naphthalene | 128 | | 6.066 | 6.073 | (1.003) | 383783 | 7.27852 | 480 | |
| 3 2-Methylnaphthalene | 142 | | 6.777 | 6.778 | (1.120) | 257995 | 7.57968 | 500 | |
| 4 1-Methylnaphthalene | 142 | | 6.865 | 6.872 | (1.135) | 246456 | 7.66738 | 500 | |
| 5 Acenaphthylene | 152 | | 7.600 | 7.600 | (0.983) | 417875 | 7.71564 | 510 | |
| 7 Acenaphthene | 154 | | 7.752 | 7.759 | (1.003) | 247219 | 7.39493 | 480 | |
| 8 Fluorene | 166 | | 8.199 | 8.200 | (1.061) | 318423 | 8.04324 | 530 | |
| 10 Phenanthrene | 178 | | 9.004 | 9.010 | (1.001) | 436880 | 7.38068 | 480 | |
| 11 Anthracene | 178 | | 9.045 | 9.052 | (1.006) | 443462 | 7.54827 | 500 | |

| Compounds | QUANT SIG | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS | |
|---------------------------|-----------|--------|--------|---------|----------|----------------------|------------------|
| | | | | | | ON-COLUMN (ug/l) | FINAL (ug/Kg) |
| 12 Carbazole | 167 | 9.186 | 9.193 | (1.022) | 329035 | 6.34941 | 420 |
| 14 Fluoranthene | 202 | 9.991 | 9.997 | (1.111) | 495241 | 8.13046 | 530 |
| 15 Pyrene | 202 | 10.179 | 10.185 | (0.901) | 496510 | 7.88398 | 520 |
| 16 Benzo(a)anthracene | 228 | 11.278 | 11.284 | (0.998) | 505525 | 8.33751 | 550 |
| 18 Chrysene | 228 | 11.319 | 11.331 | (1.002) | 444027 | 7.81024 | 510 |
| 19 Benzo(b)fluoranthene | 252 | 12.570 | 12.583 | (0.959) | 452954 | 8.78537 | 580 |
| 20 Benzo(k)fluoranthene | 252 | 12.605 | 12.618 | (0.961) | 448347 | 8.25437 | 540 |
| 21 Benzo(a)pyrene | 252 | 13.011 | 13.029 | (0.992) | 390036 | 7.52913 | 490 |
| 23 Indeno(1,2,3-cd)pyrene | 276 | 14.685 | 14.710 | (1.120) | 449770 | 8.14241 | 530(M) |
| 24 Dibenzo(a,h)anthracene | 278 | 14.709 | 14.733 | (1.122) | 454600 | 8.73949 | 570 |
| 25 Benzo(g,h,i)perylene | 276 | 15.120 | 15.150 | (1.153) | 443843 | 8.34503 | 550 |

QC Flag Legend

M - Compound response manually integrated.

Data File: 1DD24015.D

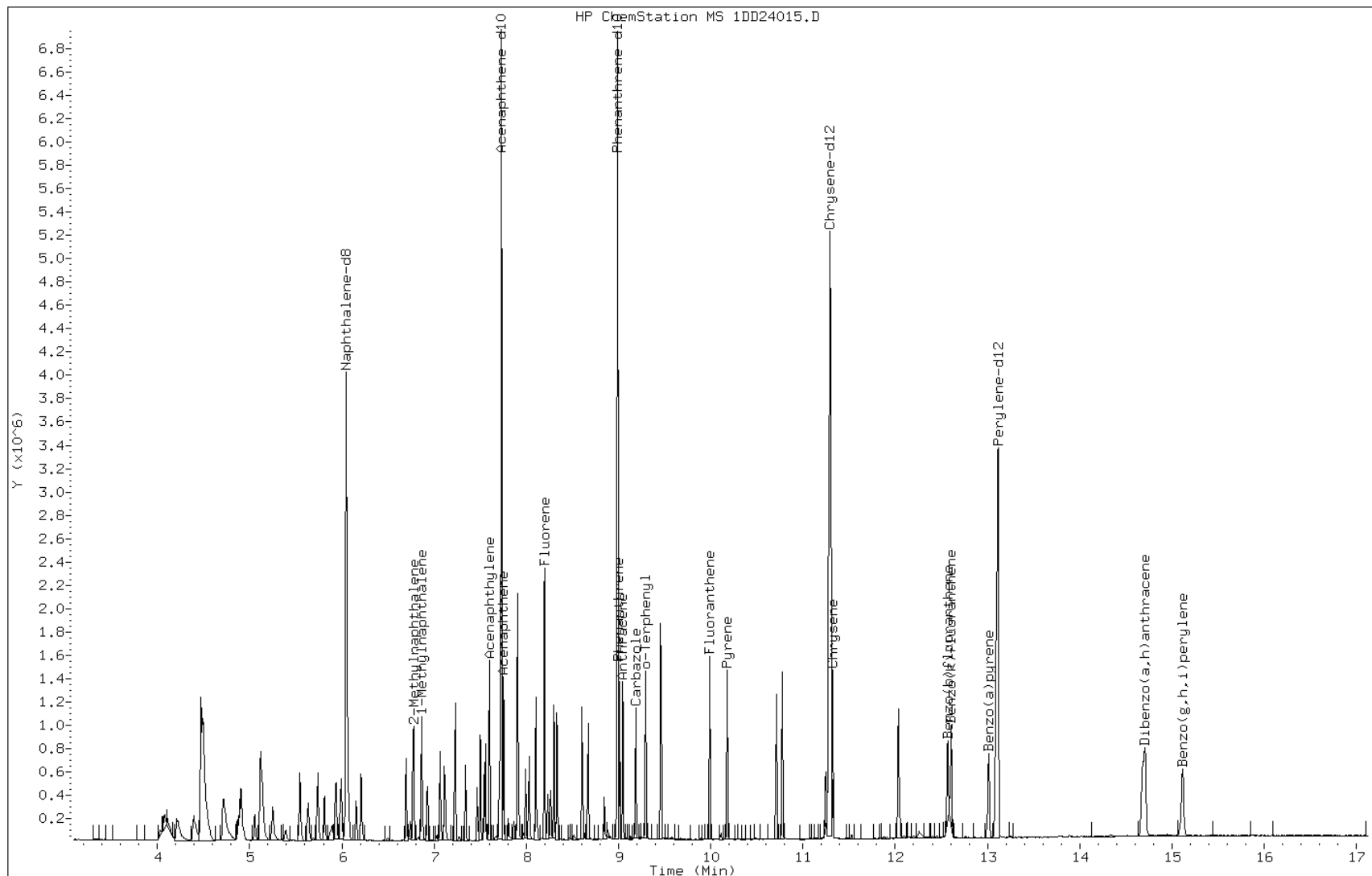
Date: 24-APR-2013 17:18

Client ID:

Instrument: BSMSD.i

Sample Info: LCS 660-136752/2-A

Operator: SCC

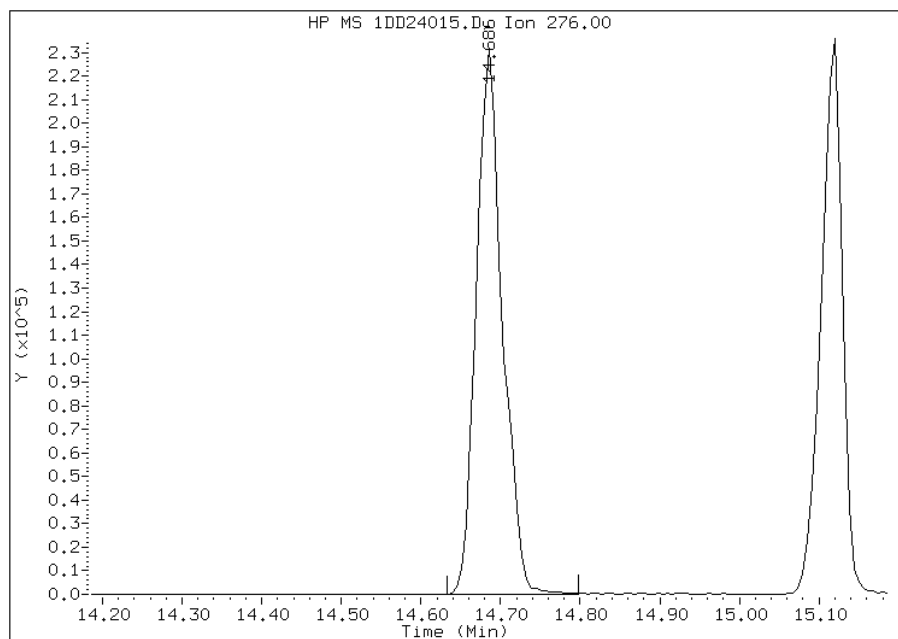


Manual Integration Report

Data File: 1DD24015.D
Inj. Date and Time: 24-APR-2013 17:18
Instrument ID: BSMSD.i
Client ID:
Compound: 23 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/25/2013

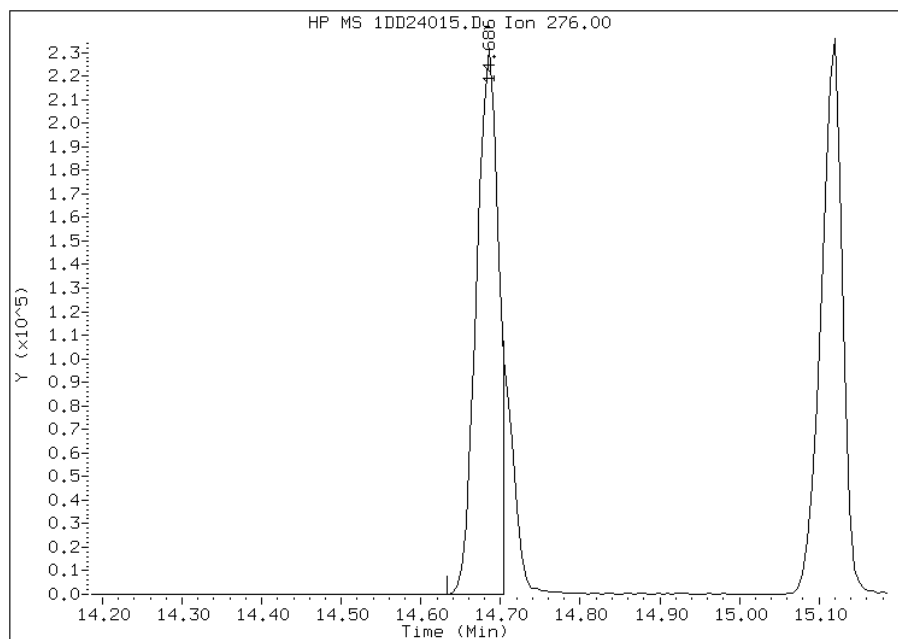
Processing Integration Results

RT: 14.69
Response: 526924
Amount: 10
Conc: 626



Manual Integration Results

RT: 14.69
Response: 449770
Amount: 8
Conc: 535



Manually Integrated By: cantins
Modification Date: 25-Apr-2013 13:10
Manual Integration Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-89516-1
 SDG No.: 68089516-1
 Client Sample ID: _____ Lab Sample ID: LCS 660-136774/2-A
 Matrix: Solid Lab File ID: 1DD25006.D
 Analysis Method: 8270C LL Date Collected: _____
 Extract. Method: 3546 Date Extracted: 04/24/2013 09:50
 Sample wt/vol: 15.07(g) Date Analyzed: 04/25/2013 15:26
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 136899 Units: ug/Kg

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|----------|------------------------|--------|---|-----|-----|
| 83-32-9 | Acenaphthene | 338 | | 100 | 20 |
| 208-96-8 | Acenaphthylene | 354 | | 40 | 5.0 |
| 120-12-7 | Anthracene | 347 | | 8.4 | 4.2 |
| 56-55-3 | Benzo[a]anthracene | 371 | | 8.0 | 3.9 |
| 50-32-8 | Benzo[a]pyrene | 335 | | 10 | 5.2 |
| 205-99-2 | Benzo[b]fluoranthene | 389 | | 12 | 6.1 |
| 191-24-2 | Benzo[g,h,i]perylene | 374 | | 20 | 4.4 |
| 207-08-9 | Benzo[k]fluoranthene | 369 | | 8.0 | 3.6 |
| 218-01-9 | Chrysene | 343 | | 9.0 | 4.5 |
| 53-70-3 | Dibenz(a,h)anthracene | 390 | | 20 | 4.1 |
| 206-44-0 | Fluoranthene | 384 | | 20 | 4.0 |
| 86-73-7 | Fluorene | 377 | | 20 | 4.1 |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 376 | | 20 | 7.1 |
| 90-12-0 | 1-Methylnaphthalene | 371 | | 40 | 4.4 |
| 91-57-6 | 2-Methylnaphthalene | 363 | | 40 | 7.1 |
| 91-20-3 | Naphthalene | 343 | | 40 | 4.4 |
| 85-01-8 | Phenanthrene | 350 | | 8.0 | 3.9 |
| 129-00-0 | Pyrene | 329 | | 20 | 3.7 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---------|-------------|------|---|--------|
| 84-15-1 | o-Terphenyl | 54 | | 30-130 |

TestAmerica Laboratories

Semivolatiles 8270 low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMSD.i\1D042513.b\1DD25006.D
 Lab Smp Id: LCS 660-136774/2-A
 Inj Date : 25-APR-2013 15:26
 Operator : SCC Inst ID: BSMSD.i
 Smp Info : LCS 660-136774/2-A
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMSD.i\1D042513.b\dFASTPAHi.m
 Meth Date : 25-Apr-2013 12:42 cantins Quant Type: ISTD
 Cal Date : 04-APR-2013 16:04 Cal File: 1DD04013.D
 Als bottle: 6 QC Sample: LCS
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

Concentration Formula:

$$\text{Amt} * \text{DF} * 1/\text{Vi} * \text{Vt}/\text{Ws} * 100/(100 - \text{M}) * \text{A} * \text{B} * \text{C} * \text{D} * \text{GPC} * \text{CpndVariable}$$

| Name | Value | Description |
|---------------|----------|---|
| DF | 1.000 | Dilution Factor |
| Vi | 1.000 | Injection Volume |
| Vt | 1.000 | Final Volume |
| Ws | 15.070 | Weight Extracted |
| M | 0.00000 | % Moisture |
| A | 1000.000 | uL to mL conversion |
| B | 1000.000 | g to kg conversion |
| C | 0.00100 | ng to ug conversion |
| D | 1.000 | ug to mg conversion(value = 1 if no conv) |
| GPC | 1.000 | GPC FACTOR |
| Cpnd Variable | | Local Compound Variable |

| Compounds | QUANT | SIG | MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS | |
|-----------------------|-------|-----|--------|--------|---------|---------|----------|----------------------|------------------|
| | | | | | | | | ON-COLUMN (ug/l) | FINAL (ug/Kg) |
| * 1 Naphthalene-d8 | 136 | | 6.044 | 6.049 | (1.000) | 3082764 | 40.0000 | | |
| * 6 Acenaphthene-d10 | 164 | | 7.730 | 7.729 | (1.000) | 1983850 | 40.0000 | | |
| * 9 Phenanthrene-d10 | 188 | | 8.993 | 8.992 | (1.000) | 3364032 | 40.0000 | | |
| \$ 13 o-Terphenyl | 230 | | 9.293 | 9.298 | (1.033) | 275788 | 5.44099 | 360 | |
| * 17 Chrysene-d12 | 240 | | 11.302 | 11.307 | (1.000) | 3686793 | 40.0000 | | |
| * 22 Perylene-d12 | 264 | | 13.129 | 13.129 | (1.000) | 3571439 | 40.0000 | | |
| 2 Naphthalene | 128 | | 6.067 | 6.072 | (1.004) | 396407 | 5.17343 | 340 | |
| 3 2-Methylnaphthalene | 142 | | 6.772 | 6.777 | (1.121) | 270735 | 5.47349 | 360 | |
| 4 1-Methylnaphthalene | 142 | | 6.866 | 6.871 | (1.136) | 261457 | 5.59742 | 370 | |
| 5 Acenaphthylene | 152 | | 7.601 | 7.600 | (0.983) | 448367 | 5.33992 | 350 | |
| 7 Acenaphthene | 154 | | 7.753 | 7.759 | (1.003) | 263900 | 5.09176 | 340 | |
| 8 Fluorene | 166 | | 8.194 | 8.199 | (1.060) | 349070 | 5.68742 | 380 | |
| 10 Phenanthrene | 178 | | 9.005 | 9.010 | (1.001) | 488327 | 5.27003 | 350 | |
| 11 Anthracene | 178 | | 9.046 | 9.051 | (1.006) | 480624 | 5.22594 | 350 | |

| Compounds | QUANT SIG | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS | |
|---------------------------|-----------|--------|--------|---------|----------|----------------------|------------------|
| | | | | | | ON-COLUMN (ug/l) | FINAL (ug/Kg) |
| 12 Carbazole | 167 | 9.187 | 9.192 | (1.022) | 400005 | 4.93089 | 330(RM) |
| 14 Fluoranthene | 202 | 9.992 | 9.997 | (1.111) | 551351 | 5.78222 | 380 |
| 15 Pyrene | 202 | 10.174 | 10.185 | (0.900) | 549257 | 4.96104 | 330 |
| 16 Benzo(a)anthracene | 228 | 11.279 | 11.284 | (0.998) | 595540 | 5.58707 | 370 |
| 18 Chrysene | 228 | 11.326 | 11.331 | (1.002) | 516745 | 5.17024 | 340 |
| 19 Benzo(b)fluoranthene | 252 | 12.571 | 12.582 | (0.957) | 522558 | 5.85726 | 390 |
| 20 Benzo(k)fluoranthene | 252 | 12.607 | 12.623 | (0.960) | 523173 | 5.56634 | 370 |
| 21 Benzo(a)pyrene | 252 | 13.018 | 13.035 | (0.991) | 452614 | 5.04920 | 340 |
| 23 Indeno(1,2,3-cd)pyrene | 276 | 14.686 | 14.715 | (1.119) | 542091 | 5.67139 | 380(M) |
| 24 Dibenzo(a,h)anthracene | 278 | 14.716 | 14.744 | (1.121) | 528807 | 5.87501 | 390 |
| 25 Benzo(g,h,i)perylene | 276 | 15.127 | 15.156 | (1.152) | 518349 | 5.63217 | 370 |

QC Flag Legend

- R - Spike/Surrogate failed recovery limits.
- M - Compound response manually integrated.

Data File: 1DD25006.D

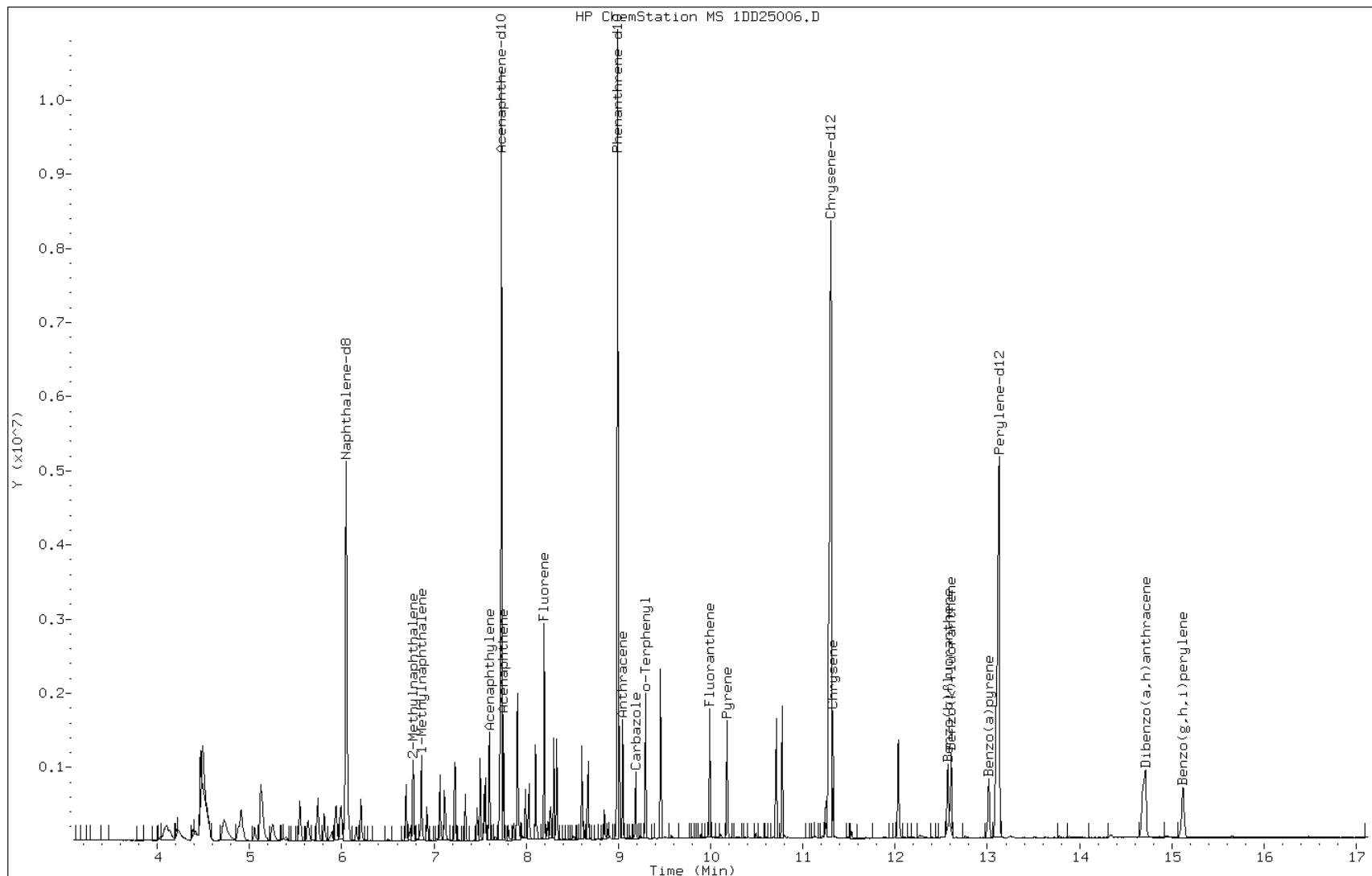
Date: 25-APR-2013 15:26

Client ID:

Instrument: BSMSD.i

Sample Info: LCS 660-136774/2-A

Operator: SCC

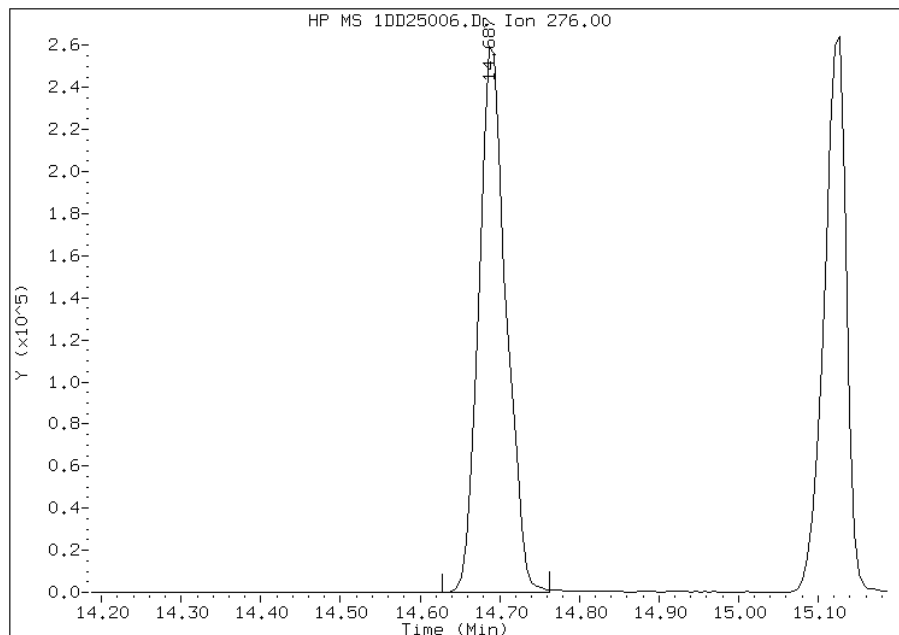


Manual Integration Report

Data File: 1DD25006.D
Inj. Date and Time: 25-APR-2013 15:26
Instrument ID: BSMSD.i
Client ID:
Compound: 23 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/26/2013

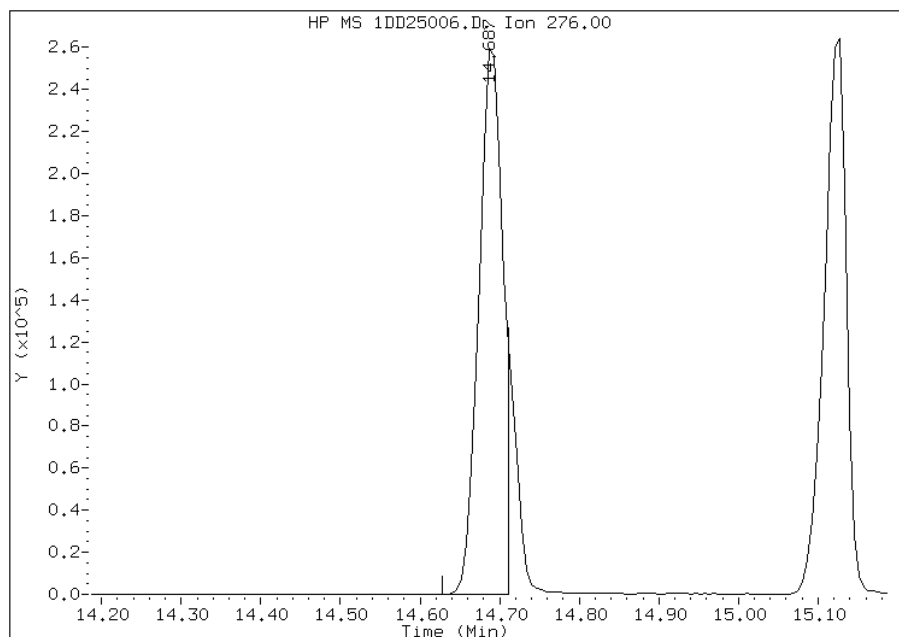
Processing Integration Results

RT: 14.69
Response: 618343
Amount: 6
Conc: 429



Manual Integration Results

RT: 14.69
Response: 542091
Amount: 6
Conc: 376



Manually Integrated By: cantins
Modification Date: 26-Apr-2013 15:47
Manual Integration Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-89516-1
 SDG No.: 68089516-1
 Client Sample ID: _____ Lab Sample ID: LCS 660-136818/2-A
 Matrix: Solid Lab File ID: 1AD26012.D
 Analysis Method: 8270C LL Date Collected: _____
 Extract. Method: 3546 Date Extracted: 04/25/2013 09:13
 Sample wt/vol: 15.22(g) Date Analyzed: 04/26/2013 14:04
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 136892 Units: ug/Kg

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|----------|------------------------|--------|---|-----|-----|
| 83-32-9 | Acenaphthene | 463 | | 99 | 20 |
| 208-96-8 | Acenaphthylene | 457 | | 39 | 4.9 |
| 120-12-7 | Anthracene | 497 | | 8.3 | 4.1 |
| 56-55-3 | Benzo[a]anthracene | 489 | | 7.9 | 3.8 |
| 50-32-8 | Benzo[a]pyrene | 475 | | 10 | 5.1 |
| 205-99-2 | Benzo[b]fluoranthene | 498 | | 12 | 6.0 |
| 191-24-2 | Benzo[g,h,i]perylene | 499 | | 20 | 4.3 |
| 207-08-9 | Benzo[k]fluoranthene | 505 | | 7.9 | 3.5 |
| 218-01-9 | Chrysene | 472 | | 8.9 | 4.4 |
| 53-70-3 | Dibenz(a,h)anthracene | 570 | | 20 | 4.0 |
| 206-44-0 | Fluoranthene | 538 | | 20 | 3.9 |
| 86-73-7 | Fluorene | 472 | | 20 | 4.0 |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 525 | | 20 | 7.0 |
| 90-12-0 | 1-Methylnaphthalene | 516 | | 39 | 4.3 |
| 91-57-6 | 2-Methylnaphthalene | 498 | | 39 | 7.0 |
| 91-20-3 | Naphthalene | 463 | | 39 | 4.3 |
| 85-01-8 | Phenanthrene | 471 | | 7.9 | 3.8 |
| 129-00-0 | Pyrene | 495 | | 20 | 3.6 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---------|-------------|------|---|--------|
| 84-15-1 | o-Terphenyl | 74 | | 30-130 |

TestAmerica Laboratories

Semivolatiles 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMA5973.i\1A042613_IC.b\1AD26012.D
 Lab Smp Id: lcs 660-136818/2-a
 Inj Date : 26-APR-2013 14:04
 Operator : SCC
 Smp Info : lcs 660-136818/2-a
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMA5973.i\1A042613_IC.b\a-bFASTPAHi-m.m
 Meth Date : 26-Apr-2013 14:21 cantins Quant Type: ISTD
 Cal Date : 26-APR-2013 11:34 Cal File: 1AD26009.D
 Als bottle: 12 QC Sample: LCS
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

Concentration Formula:

$$\text{Amt} * \text{DF} * 1/\text{Vi} * \text{Vt}/\text{Ws} * 100/(100 - \text{M}) * \text{A} * \text{B} * \text{C} * \text{D} * \text{GPC} * \text{CpndVariable}$$

| Name | Value | Description |
|---------------|----------|---|
| DF | 1.000 | Dilution Factor |
| Vi | 1.000 | Injection Volume |
| Vt | 1.000 | Final Volume |
| Ws | 15.220 | Weight Extracted |
| M | 0.00000 | % Moisture |
| A | 1000.000 | uL to mL conversion |
| B | 1000.000 | g to kg conversion |
| C | 0.00100 | ng to ug conversion |
| D | 1.000 | ug to mg conversion(value = 1 if no conv) |
| GPC | 1.000 | GPC FACTOR |
| Cpnd Variable | | Local Compound Variable |

| Compounds | QUANT | SIG | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS | |
|-----------------------|-------|-----|-------|--------|---------|----------|----------------|----------|
| | | | | | | | ON-COLUMN | FINAL |
| | MASS | | | | | | (ug/ml) | (ug/Kg) |
| * 1 Naphthalene-d8 | 136 | | 2.577 | 2.581 | (1.000) | 2557258 | 40.0000 | |
| * 6 Acenaphthene-d10 | 164 | | 3.608 | 3.606 | (1.000) | 1269573 | 40.0000 | |
| * 10 Phenanthrene-d10 | 188 | | 4.559 | 4.563 | (1.000) | 2177336 | 40.0000 | |
| \$ 14 o-Terphenyl | 230 | | 4.858 | 4.862 | (1.066) | 264551 | 7.42841 | 488.0686 |
| * 18 Chrysene-d12 | 240 | | 6.579 | 6.582 | (1.000) | 2087340 | 40.0000 | |
| * 23 Perylene-d12 | 264 | | 7.668 | 7.666 | (1.000) | 2218837 | 40.0000 | |
| 2 Naphthalene | 128 | | 2.588 | 2.591 | (1.004) | 450011 | 7.03954 | 462.5189 |
| 3 2-Methylnaphthalene | 141 | | 2.994 | 2.997 | (1.162) | 277666 | 7.57609 | 497.7719 |
| 4 1-Methylnaphthalene | 142 | | 3.047 | 3.051 | (1.182) | 318847 | 7.85231 | 515.9202 |
| 5 Acenaphthylene | 152 | | 3.518 | 3.521 | (0.975) | 516416 | 6.96003 | 457.2951 |
| 7 Acenaphthene | 154 | | 3.624 | 3.628 | (1.004) | 274006 | 7.04187 | 462.6723 |
| 9 Fluorene | 166 | | 3.940 | 3.943 | (1.092) | 336075 | 7.17876 | 471.6663 |
| 11 Phenanthrene | 178 | | 4.575 | 4.579 | (1.004) | 451901 | 7.16472 | 470.7438 |
| 12 Anthracene | 178 | | 4.607 | 4.611 | (1.011) | 496347 | 7.56829 | 497.2596 |

| Compounds | QUANT SIG | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS | |
|---------------------------|-----------|-------|--------|---------|----------|----------------------|------------------|
| | | | | | | ON-COLUMN (ug/ml) | FINAL (ug/Kg) |
| ----- | ---- | ---- | ----- | ----- | ----- | ----- | ----- |
| 13 Carbazole | 167 | 4.736 | 4.739 | (1.039) | 450206 | 7.11598 | 467.5411 |
| 15 Fluoranthene | 202 | 5.435 | 5.439 | (1.192) | 596826 | 8.19244 | 538.2681 |
| 16 Pyrene | 202 | 5.601 | 5.604 | (0.851) | 599479 | 7.52797 | 494.6106 |
| 17 Benzo(a)anthracene | 228 | 6.563 | 6.566 | (0.998) | 507198 | 7.44059 | 488.8689 |
| 19 Chrysene | 228 | 6.595 | 6.598 | (1.002) | 496987 | 7.18644 | 472.1710 |
| 20 Benzo(b)fluoranthene | 252 | 7.385 | 7.389 | (0.963) | 510199 | 7.57392 | 497.6297 |
| 21 Benzo(k)fluoranthene | 252 | 7.401 | 7.410 | (0.965) | 595242 | 7.68550 | 504.9608 |
| 22 Benzo(a)pyrene | 252 | 7.610 | 7.613 | (0.992) | 484223 | 7.22576 | 474.7543 |
| 24 Indeno(1,2,3-cd)pyrene | 276 | 8.422 | 8.430 | (1.098) | 505403 | 7.98746 | 524.8001 |
| 25 Dibenzo(a,h)anthracene | 278 | 8.454 | 8.457 | (1.102) | 510483 | 8.67079 | 569.6973(M) |
| 26 Benzo(g,h,i)perylene | 276 | 8.641 | 8.654 | (1.127) | 538231 | 7.60038 | 499.3679 |

QC Flag Legend

M - Compound response manually integrated.

Data File: 1AD26012.D

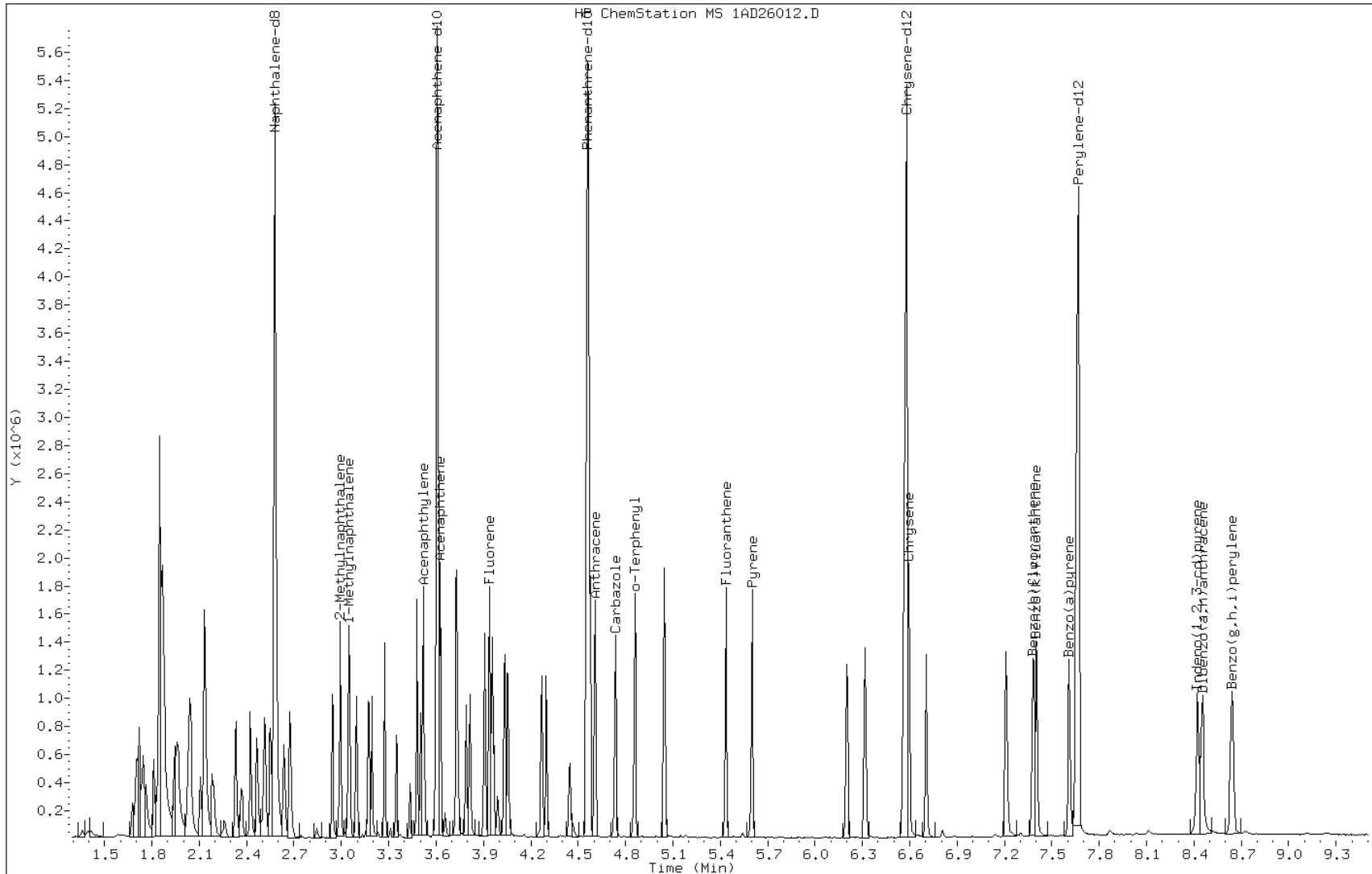
Date: 26-APR-2013 14:04

Client ID:

Instrument: BSMA5973.i

Sample Info: lcs 660-136818/2-a

Operator: SCC

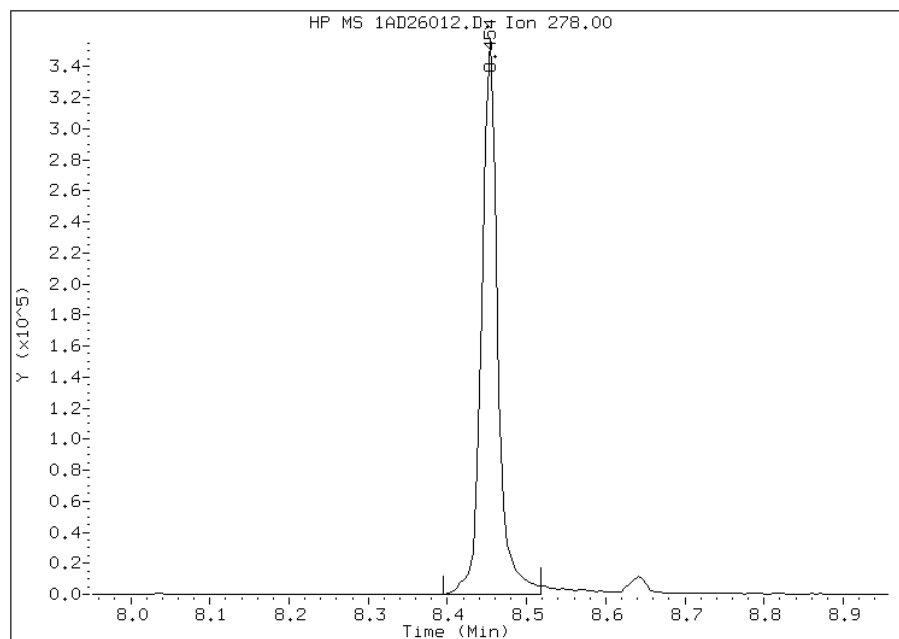


Manual Integration Report

Data File: 1AD26012.D
Inj. Date and Time: 26-APR-2013 14:04
Instrument ID: BSMA5973.i
Client ID:
Compound: 25 Dibenzo(a,h)anthracene
CAS #: 53-70-3
Report Date: 04/30/2013

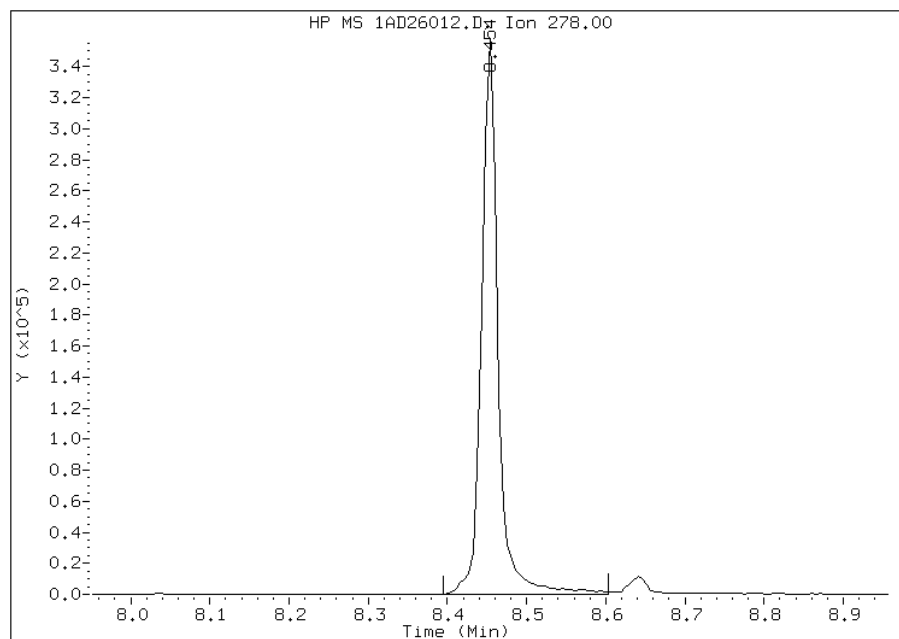
Processing Integration Results

RT: 8.45
Response: 496736
Amount: 8
Conc: 554



Manual Integration Results

RT: 8.45
Response: 510483
Amount: 9
Conc: 570



Manually Integrated By: cantins
Modification Date: 29-Apr-2013 17:11
Manual Integration Reason: Baseline Event

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-89516-1
 SDG No.: 68089516-1
 Client Sample ID: _____ Lab Sample ID: 680-89459-A-22-B MS
 Matrix: Solid Lab File ID: 1DD24020.D
 Analysis Method: 8270C LL Date Collected: _____
 Extract. Method: 3546 Date Extracted: 04/23/2013 14:49
 Sample wt/vol: 15.37 (g) Date Analyzed: 04/24/2013 19:10
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) Level: (low/med) Low
 % Moisture: 23.7 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 136826 Units: ug/Kg

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|----------|------------------------|--------|---|-----|-----|
| 83-32-9 | Acenaphthene | 531 | | 130 | 26 |
| 208-96-8 | Acenaphthylene | 558 | | 51 | 6.4 |
| 120-12-7 | Anthracene | 578 | | 11 | 5.4 |
| 56-55-3 | Benzo[a]anthracene | 706 | | 10 | 5.0 |
| 50-32-8 | Benzo[a]pyrene | 697 | | 13 | 6.6 |
| 205-99-2 | Benzo[b]fluoranthene | 906 | | 16 | 7.8 |
| 191-24-2 | Benzo[g,h,i]perylene | 530 | | 26 | 5.6 |
| 207-08-9 | Benzo[k]fluoranthene | 721 | | 10 | 4.6 |
| 218-01-9 | Chrysene | 733 | | 12 | 5.8 |
| 53-70-3 | Dibenz(a,h)anthracene | 551 | | 26 | 5.2 |
| 206-44-0 | Fluoranthene | 751 | | 26 | 5.1 |
| 86-73-7 | Fluorene | 584 | | 26 | 5.2 |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 561 | | 26 | 9.1 |
| 90-12-0 | 1-Methylnaphthalene | 605 | | 51 | 5.6 |
| 91-57-6 | 2-Methylnaphthalene | 618 | | 51 | 9.1 |
| 91-20-3 | Naphthalene | 589 | | 51 | 5.6 |
| 85-01-8 | Phenanthrene | 650 | | 10 | 5.0 |
| 129-00-0 | Pyrene | 637 | | 26 | 4.7 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---------|-------------|------|---|--------|
| 84-15-1 | o-Terphenyl | 64 | | 30-130 |

TestAmerica Laboratories

Semivolatiles 8270 low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMSD.i\1D042413.b\1DD24020.D
 Lab Smp Id: 680-89459-A-22-B MS
 Inj Date : 24-APR-2013 19:10
 Operator : SCC Inst ID: BSMSD.i
 Smp Info : 680-89459-A-22-B MS
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMSD.i\1D042413.b\dFASTPAHi.m
 Meth Date : 24-Apr-2013 13:05 cantins Quant Type: ISTD
 Cal Date : 04-APR-2013 16:04 Cal File: 1DD04013.D
 Als bottle: 20 QC Sample: MS
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

Concentration Formula:

$$\text{Amt} * \text{DF} * 1/\text{Vi} * \text{Vt}/\text{Ws} * 100/(100 - \text{M}) * \text{A} * \text{B} * \text{C} * \text{D} * \text{GPC} * \text{CpndVariable}$$

| Name | Value | Description |
|---------------|----------|---|
| DF | 1.000 | Dilution Factor |
| Vi | 1.000 | Injection Volume |
| Vt | 1.000 | Final Volume |
| Ws | 15.370 | Weight Extracted |
| M | 0.00000 | % Moisture |
| A | 1000.000 | uL to mL conversion |
| B | 1000.000 | g to kg conversion |
| C | 0.00100 | ng to ug conversion |
| D | 1.000 | ug to mg conversion(value = 1 if no conv) |
| GPC | 1.000 | GPC FACTOR |
| Cpnd Variable | | Local Compound Variable |

| Compounds | QUANT | SIG | CONCENTRATIONS | | | | |
|-----------------------|-------|--------|----------------|---------|----------|---------|---------|
| | | | ON-COLUMN | FINAL | | | |
| | MASS | RT | EXP RT | REL RT | RESPONSE | (ug/l) | (ug/Kg) |
| * 1 Naphthalene-d8 | 136 | 6.048 | 6.049 | (1.000) | 2047873 | 40.0000 | |
| * 6 Acenaphthene-d10 | 164 | 7.734 | 7.730 | (1.000) | 1241886 | 40.0000 | |
| * 9 Phenanthrene-d10 | 188 | 8.992 | 8.993 | (1.000) | 2023214 | 40.0000 | |
| \$ 13 o-Terphenyl | 230 | 9.297 | 9.298 | (1.034) | 196219 | 6.43668 | 420 |
| * 17 Chrysene-d12 | 240 | 11.301 | 11.302 | (1.000) | 2174744 | 40.0000 | |
| * 22 Perylene-d12 | 264 | 13.128 | 13.123 | (1.000) | 2244148 | 40.0000 | |
| 2 Naphthalene | 128 | 6.072 | 6.073 | (1.004) | 351668 | 6.90887 | 450 |
| 3 2-Methylnaphthalene | 142 | 6.777 | 6.778 | (1.120) | 238373 | 7.25461 | 470 |
| 4 1-Methylnaphthalene | 142 | 6.871 | 6.872 | (1.136) | 220175 | 7.09566 | 460 |
| 5 Acenaphthylene | 152 | 7.599 | 7.600 | (0.983) | 343776 | 6.54039 | 420 |
| 7 Acenaphthene | 154 | 7.758 | 7.759 | (1.003) | 202062 | 6.22787 | 400 |
| 8 Fluorene | 166 | 8.199 | 8.200 | (1.060) | 263275 | 6.85235 | 440 |
| 10 Phenanthrene | 178 | 9.009 | 9.010 | (1.002) | 425135 | 7.62864 | 500 |
| 11 Anthracene | 178 | 9.051 | 9.052 | (1.007) | 374873 | 6.77738 | 440 |

| Compounds | QUANT SIG | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS | |
|---------------------------|-----------|--------|--------|---------|----------|----------------------|------------------|
| | | | | | | ON-COLUMN (ug/l) | FINAL (ug/Kg) |
| 12 Carbazole | 167 | 9.192 | 9.193 | (1.022) | 297155 | 6.09061 | 400 |
| 14 Fluoranthene | 202 | 9.997 | 9.997 | (1.112) | 505387 | 8.81270 | 570 |
| 15 Pyrene | 202 | 10.179 | 10.185 | (0.901) | 487966 | 7.47183 | 490 |
| 16 Benzo(a)anthracene | 228 | 11.289 | 11.284 | (0.999) | 520928 | 8.28498 | 540 |
| 18 Chrysene | 228 | 11.324 | 11.331 | (1.002) | 506929 | 8.59850 | 560 |
| 19 Benzo(b)fluoranthene | 252 | 12.582 | 12.583 | (0.958) | 595613 | 10.6247 | 690 |
| 20 Benzo(k)fluoranthene | 252 | 12.617 | 12.618 | (0.961) | 499747 | 8.46186 | 550 |
| 21 Benzo(a)pyrene | 252 | 13.028 | 13.029 | (0.992) | 460503 | 8.17559 | 530 |
| 23 Indeno(1,2,3-cd)pyrene | 276 | 14.709 | 14.710 | (1.120) | 395232 | 6.58053 | 430(M) |
| 24 Dibenzo(a,h)anthracene | 278 | 14.732 | 14.733 | (1.122) | 365237 | 6.45770 | 420 |
| 25 Benzo(g,h,i)perylene | 276 | 15.143 | 15.150 | (1.154) | 359518 | 6.21678 | 400 |

QC Flag Legend

M - Compound response manually integrated.

Data File: 1DD24020.D

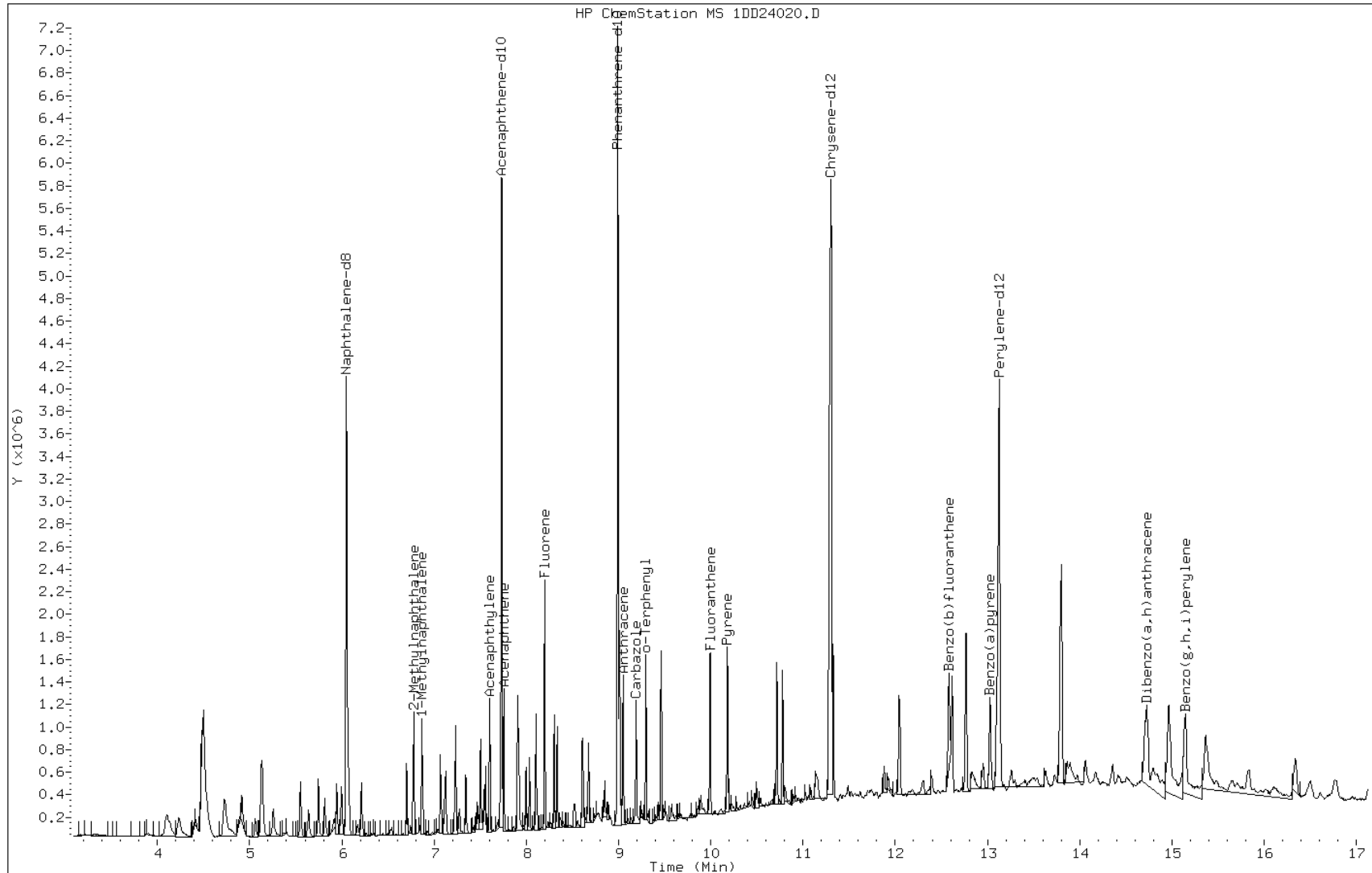
Date: 24-APR-2013 19:10

Client ID:

Instrument: BSMSD.i

Sample Info: 680-89459-A-22-B MS

Operator: SCC

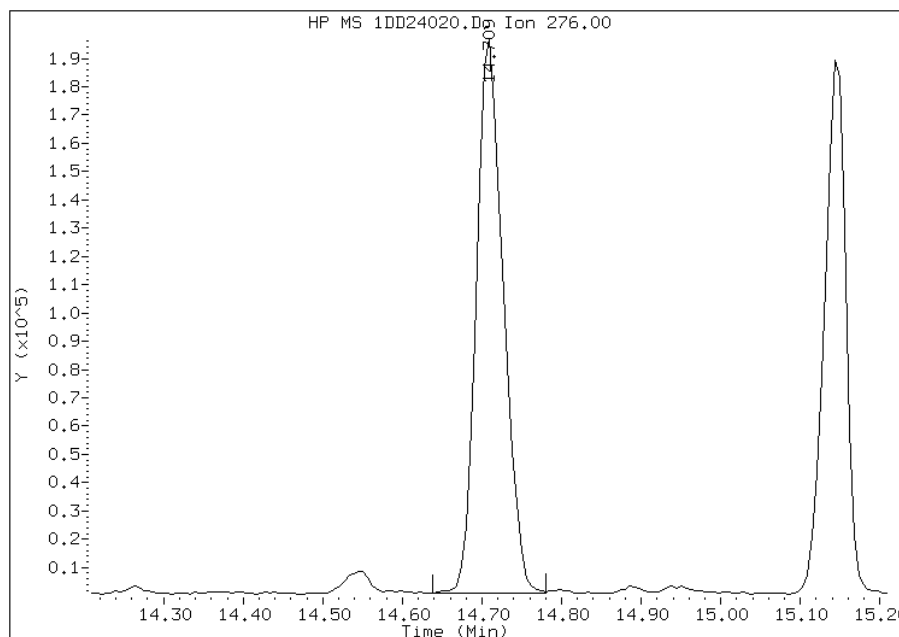


Manual Integration Report

Data File: 1DD24020.D
Inj. Date and Time: 24-APR-2013 19:10
Instrument ID: BSMSD.i
Client ID:
Compound: 23 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/25/2013

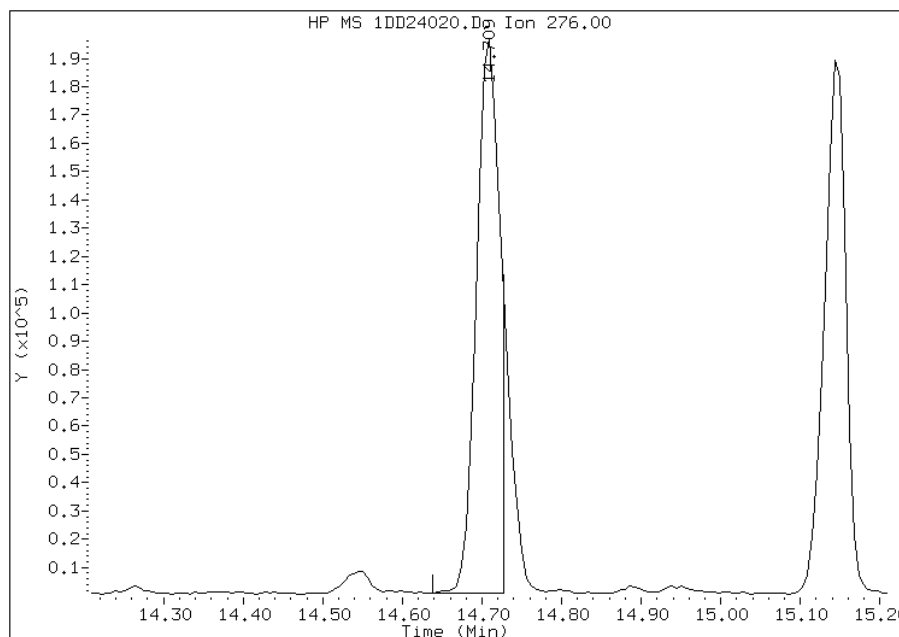
Processing Integration Results

RT: 14.71
Response: 458736
Amount: 8
Conc: 497



Manual Integration Results

RT: 14.71
Response: 395232
Amount: 7
Conc: 428



Manually Integrated By: cantins
Modification Date: 25-Apr-2013 13:14
Manual Integration Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-89516-1
 SDG No.: 68089516-1
 Client Sample ID: _____ Lab Sample ID: 680-89513-A-23-B MS
 Matrix: Solid Lab File ID: 1DD25011.D
 Analysis Method: 8270C LL Date Collected: _____
 Extract. Method: 3546 Date Extracted: 04/24/2013 09:50
 Sample wt/vol: 15.10(g) Date Analyzed: 04/25/2013 17:18
 Con. Extract Vol.: 1(mL) Dilution Factor: 4
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 23.4 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 136899 Units: ug/Kg

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|----------|------------------------|--------|---|-----|-----|
| 83-32-9 | Acenaphthene | 402 | J | 520 | 100 |
| 208-96-8 | Acenaphthylene | 425 | | 210 | 26 |
| 120-12-7 | Anthracene | 453 | | 44 | 22 |
| 56-55-3 | Benzo[a]anthracene | 738 | | 42 | 20 |
| 50-32-8 | Benzo[a]pyrene | 579 | | 54 | 27 |
| 205-99-2 | Benzo[b]fluoranthene | 779 | | 63 | 32 |
| 191-24-2 | Benzo[g,h,i]perylene | 498 | | 100 | 23 |
| 207-08-9 | Benzo[k]fluoranthene | 554 | | 42 | 19 |
| 218-01-9 | Chrysene | 675 | | 47 | 23 |
| 53-70-3 | Dibenz(a,h)anthracene | 452 | | 100 | 21 |
| 206-44-0 | Fluoranthene | 797 | | 100 | 21 |
| 86-73-7 | Fluorene | 411 | | 100 | 21 |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 498 | | 100 | 37 |
| 90-12-0 | 1-Methylnaphthalene | 968 | | 210 | 23 |
| 91-57-6 | 2-Methylnaphthalene | 927 | | 210 | 37 |
| 91-20-3 | Naphthalene | 718 | | 210 | 23 |
| 85-01-8 | Phenanthrene | 844 | | 42 | 20 |
| 129-00-0 | Pyrene | 717 | | 100 | 19 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---------|-------------|------|---|--------|
| 84-15-1 | o-Terphenyl | 46 | | 30-130 |

TestAmerica Laboratories

Semivolatiles 8270 low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMSD.i\1D042513.b\1DD25011.D
 Lab Smp Id: 680-89513-A-23-B MS
 Inj Date : 25-APR-2013 17:18
 Operator : SCC Inst ID: BSMSD.i
 Smp Info : 680-89513-A-23-B MS
 Misc Info : 4.0
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMSD.i\1D042513.b\dFASTPAHi.m
 Meth Date : 25-Apr-2013 12:42 cantins Quant Type: ISTD
 Cal Date : 04-APR-2013 16:04 Cal File: 1DD04013.D
 Als bottle: 11 QC Sample: MS
 Dil Factor: 4.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

Concentration Formula:

$$\text{Amt} * \text{DF} * 1/\text{Vi} * \text{Vt}/\text{Ws} * 100/(100 - \text{M}) * \text{A} * \text{B} * \text{C} * \text{D} * \text{GPC} * \text{CpndVariable}$$

| Name | Value | Description |
|---------------|----------|---|
| DF | 4.000 | Dilution Factor |
| Vi | 1.000 | Injection Volume |
| Vt | 1.000 | Final Volume |
| Ws | 15.100 | Weight Extracted |
| M | 0.00000 | % Moisture |
| A | 1000.000 | uL to mL conversion |
| B | 1000.000 | g to kg conversion |
| C | 0.00100 | ng to ug conversion |
| D | 1.000 | ug to mg conversion(value = 1 if no conv) |
| GPC | 1.000 | GPC FACTOR |
| Cpnd Variable | | Local Compound Variable |

| Compounds | QUANT | SIG | CONCENTRATIONS | | | | |
|-----------------------|-------|--------|----------------|---------|----------|---------|---------|
| | | | ON-COLUMN | FINAL | | | |
| | MASS | RT | EXP RT | REL RT | RESPONSE | (ug/l) | (ug/Kg) |
| * 1 Naphthalene-d8 | 136 | 6.045 | 6.049 | (1.000) | 2761452 | 40.0000 | |
| * 6 Acenaphthene-d10 | 164 | 7.732 | 7.729 | (1.000) | 1846886 | 40.0000 | |
| * 9 Phenanthrene-d10 | 188 | 8.995 | 8.992 | (1.000) | 3137012 | 40.0000 | |
| \$ 13 o-Terphenyl | 230 | 9.295 | 9.298 | (1.033) | 54462 | 1.15223 | 300 |
| * 17 Chrysene-d12 | 240 | 11.304 | 11.307 | (1.000) | 3265835 | 40.0000 | |
| * 22 Perylene-d12 | 264 | 13.131 | 13.129 | (1.000) | 3278993 | 40.0000 | |
| 2 Naphthalene | 128 | 6.069 | 6.072 | (1.004) | 142416 | 2.07491 | 550 |
| 3 2-Methylnaphthalene | 142 | 6.774 | 6.777 | (1.121) | 118694 | 2.67887 | 710 |
| 4 1-Methylnaphthalene | 142 | 6.868 | 6.871 | (1.136) | 117047 | 2.79738 | 740 |
| 5 Acenaphthylene | 152 | 7.597 | 7.600 | (0.983) | 96069 | 1.22900 | 320 |
| 7 Acenaphthene | 154 | 7.755 | 7.759 | (1.003) | 56135 | 1.16340 | 310 |
| 8 Fluorene | 166 | 8.196 | 8.199 | (1.060) | 67958 | 1.18936 | 320 |
| 10 Phenanthrene | 178 | 9.007 | 9.010 | (1.001) | 210815 | 2.43976 | 650 |
| 11 Anthracene | 178 | 9.048 | 9.051 | (1.006) | 112392 | 1.31050 | 350 |

| Compounds | QUANT SIG | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS | |
|---------------------------|-----------|--------|----------------|--------|----------|----------------------|------------------|
| | | | | | | ON-COLUMN (ug/l) | FINAL (ug/Kg) |
| 12 Carbazole | 167 | 9.189 | 9.192 (1.022) | | 90942 | 1.20218 | 320(R) |
| 14 Fluoranthene | 202 | 9.988 | 9.997 (1.110) | | 204877 | 2.30411 | 610 |
| 15 Pyrene | 202 | 10.176 | 10.185 (0.900) | | 203238 | 2.07232 | 550 |
| 16 Benzo(a)anthracene | 228 | 11.292 | 11.284 (0.999) | | 201397 | 2.13295 | 560 |
| 18 Chrysene | 228 | 11.322 | 11.331 (1.002) | | 172872 | 1.95260 | 520 |
| 19 Benzo(b)fluoranthene | 252 | 12.573 | 12.582 (0.957) | | 184532 | 2.25286 | 600 |
| 20 Benzo(k)fluoranthene | 252 | 12.608 | 12.623 (0.960) | | 138105 | 1.60043 | 420 |
| 21 Benzo(a)pyrene | 252 | 13.020 | 13.035 (0.991) | | 137730 | 1.67350 | 440 |
| 23 Indeno(1,2,3-cd)pyrene | 276 | 14.694 | 14.715 (1.119) | | 126219 | 1.43828 | 380(M) |
| 24 Dibenzo(a,h)anthracene | 278 | 14.724 | 14.744 (1.121) | | 108017 | 1.30709 | 350 |
| 25 Benzo(g,h,i)perylene | 276 | 15.129 | 15.156 (1.152) | | 121756 | 1.44094 | 380(H) |

QC Flag Legend

- R - Spike/Surrogate failed recovery limits.
- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

Data File: 1DD25011.D

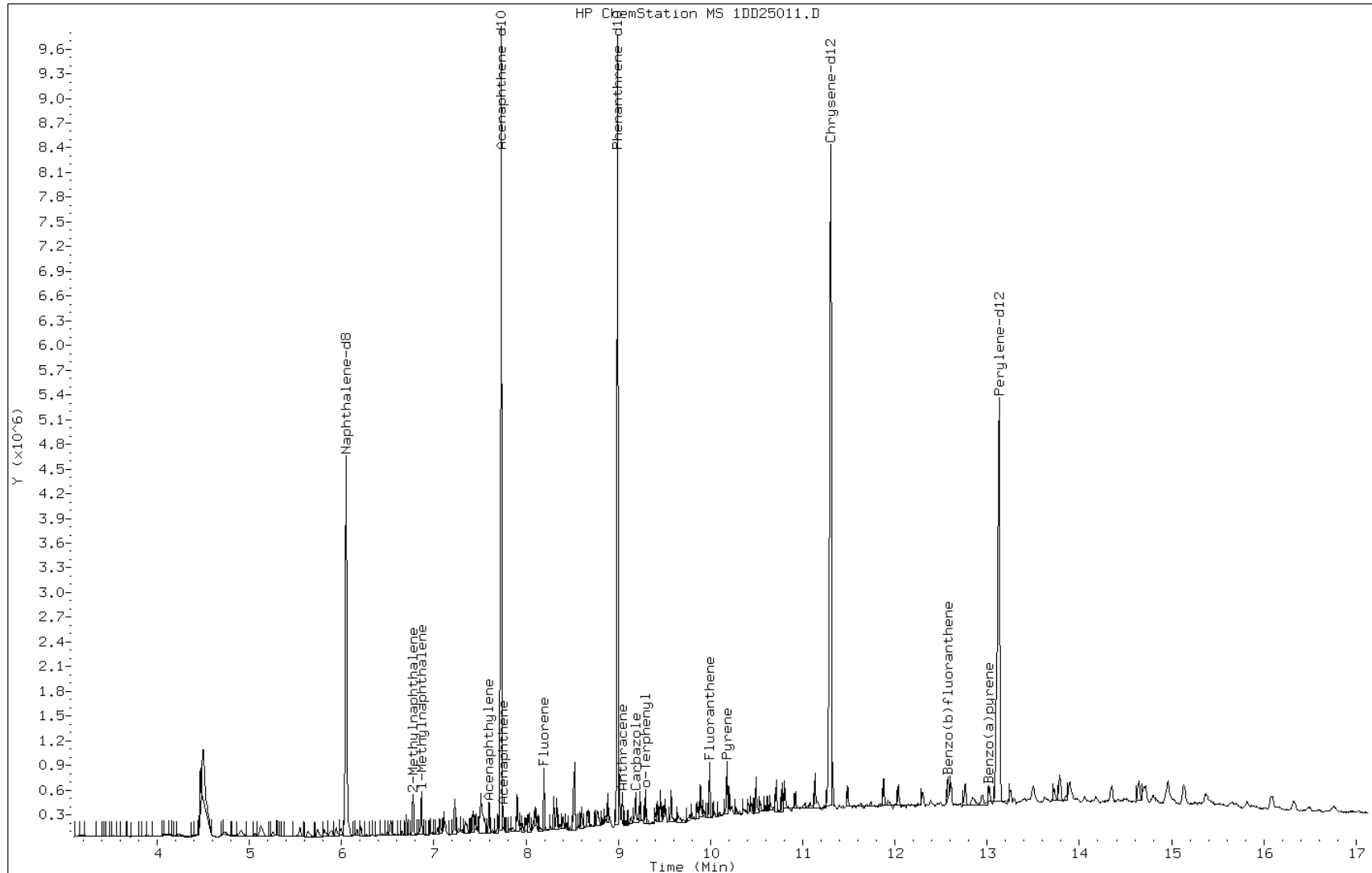
Date: 25-APR-2013 17:18

Client ID:

Instrument: BSMSD.i

Sample Info: 680-89513-A-23-B MS

Operator: SCC

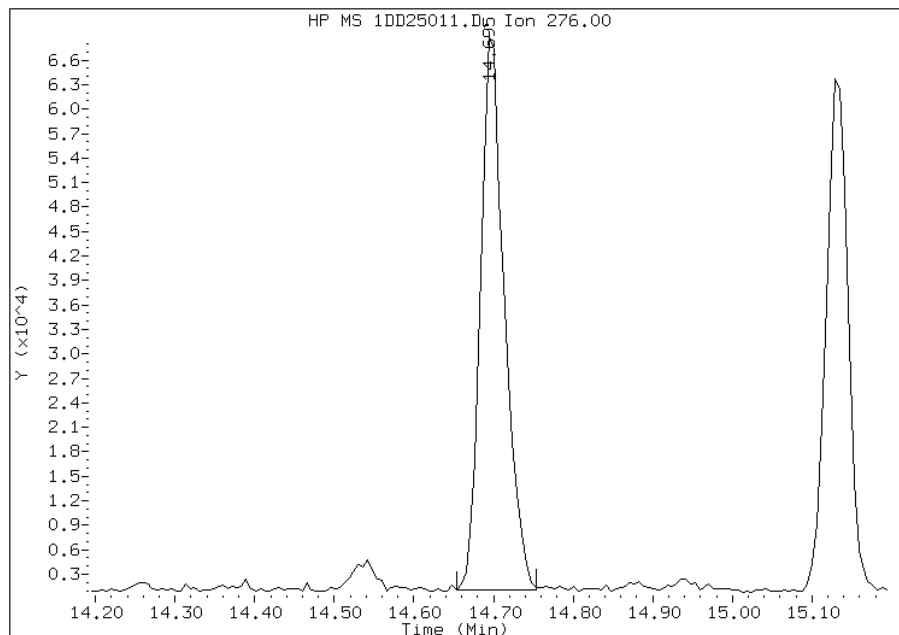


Manual Integration Report

Data File: 1DD25011.D
Inj. Date and Time: 25-APR-2013 17:18
Instrument ID: BSMSD.i
Client ID:
Compound: 23 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/26/2013

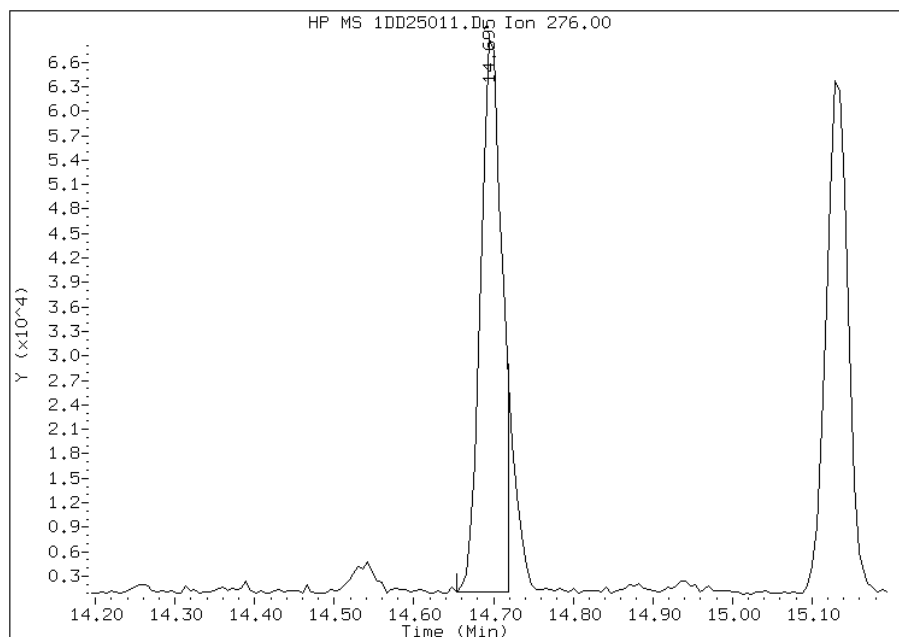
Processing Integration Results

RT: 14.69
Response: 140793
Amount: 2
Conc: 425



Manual Integration Results

RT: 14.69
Response: 126219
Amount: 1
Conc: 381



Manually Integrated By: cantins
Modification Date: 26-Apr-2013 15:52
Manual Integration Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-89516-1
 SDG No.: 68089516-1
 Client Sample ID: CV0117B-CS MS Lab Sample ID: 680-89516-2 MS
 Matrix: Solid Lab File ID: 1AD26032.D
 Analysis Method: 8270C LL Date Collected: 04/17/2013 10:30
 Extract. Method: 3546 Date Extracted: 04/25/2013 09:13
 Sample wt/vol: 14.95(g) Date Analyzed: 04/26/2013 19:04
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 28.0 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 136892 Units: ug/Kg

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|----------|------------------------|--------|---|-----|-----|
| 83-32-9 | Acenaphthene | 494 | | 140 | 28 |
| 208-96-8 | Acenaphthylene | 534 | | 56 | 7.0 |
| 120-12-7 | Anthracene | 615 | | 12 | 5.9 |
| 56-55-3 | Benzo[a]anthracene | 727 | | 11 | 5.4 |
| 50-32-8 | Benzo[a]pyrene | 622 | | 14 | 7.2 |
| 205-99-2 | Benzo[b]fluoranthene | 883 | | 17 | 8.5 |
| 191-24-2 | Benzo[g,h,i]perylene | 531 | | 28 | 6.1 |
| 207-08-9 | Benzo[k]fluoranthene | 536 | | 11 | 5.0 |
| 218-01-9 | Chrysene | 753 | | 13 | 6.3 |
| 53-70-3 | Dibenz(a,h)anthracene | 615 | | 28 | 5.7 |
| 206-44-0 | Fluoranthene | 823 | | 28 | 5.6 |
| 86-73-7 | Fluorene | 511 | | 28 | 5.7 |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 639 | | 28 | 9.9 |
| 90-12-0 | 1-Methylnaphthalene | 833 | | 56 | 6.1 |
| 91-57-6 | 2-Methylnaphthalene | 862 | | 56 | 9.9 |
| 91-20-3 | Naphthalene | 992 | | 56 | 6.1 |
| 85-01-8 | Phenanthrene | 951 | | 11 | 5.4 |
| 129-00-0 | Pyrene | 707 | | 28 | 5.2 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---------|-------------|------|---|--------|
| 84-15-1 | o-Terphenyl | 57 | | 30-130 |

TestAmerica Laboratories

Semivolatiles 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMA5973.i\1A042613_IC.b\1AD26032.D
 Lab Smp Id: 680-89516-a-2-b ms
 Inj Date : 26-APR-2013 19:04
 Operator : SCC
 Smp Info : 680-89516-a-2-b ms
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMA5973.i\1A042613_IC.b\a-bFASTPAHi-m.m
 Meth Date : 26-Apr-2013 14:21 cantins Quant Type: ISTD
 Cal Date : 26-APR-2013 11:34 Cal File: 1AD26009.D
 Als bottle: 32 QC Sample: MS
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

Concentration Formula:

$$\text{Amt} * \text{DF} * 1/\text{Vi} * \text{Vt}/\text{Ws} * 100/(100 - \text{M}) * \text{A} * \text{B} * \text{C} * \text{D} * \text{GPC} * \text{CpndVariable}$$

| Name | Value | Description |
|---------------|----------|---|
| DF | 1.000 | Dilution Factor |
| Vi | 1.000 | Injection Volume |
| Vt | 1.000 | Final Volume |
| Ws | 14.950 | Weight Extracted |
| M | 0.00000 | % Moisture |
| A | 1000.000 | uL to mL conversion |
| B | 1000.000 | g to kg conversion |
| C | 0.00100 | ng to ug conversion |
| D | 1.000 | ug to mg conversion(value = 1 if no conv) |
| GPC | 1.000 | GPC FACTOR |
| Cpnd Variable | | Local Compound Variable |

| Compounds | QUANT | SIG | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS | |
|-----------------------|-------|-----|-------|--------|---------|----------|----------------|----------|
| | | | | | | | ON-COLUMN | FINAL |
| | MASS | | | | | | (ug/ml) | (ug/Kg) |
| * 1 Naphthalene-d8 | 136 | | 2.586 | 2.581 | (1.000) | 2165837 | 40.0000 | |
| * 6 Acenaphthene-d10 | 164 | | 3.617 | 3.606 | (1.000) | 1095596 | 40.0000 | |
| * 10 Phenanthrene-d10 | 188 | | 4.573 | 4.563 | (1.000) | 1816956 | 40.0000 | |
| \$ 14 o-Terphenyl | 230 | | 4.867 | 4.862 | (1.064) | 170183 | 5.72642 | 383.0383 |
| * 18 Chrysene-d12 | 240 | | 6.603 | 6.582 | (1.000) | 1948549 | 40.0000 | |
| * 23 Perylene-d12 | 264 | | 7.698 | 7.666 | (1.000) | 2500475 | 40.0000 | |
| 2 Naphthalene | 128 | | 2.596 | 2.591 | (1.004) | 577899 | 10.6739 | 713.9710 |
| 3 2-Methylnaphthalene | 141 | | 3.002 | 2.997 | (1.161) | 287965 | 9.27707 | 620.5398 |
| 4 1-Methylnaphthalene | 142 | | 3.056 | 3.051 | (1.182) | 308075 | 8.95819 | 599.2098 |
| 5 Acenaphthylene | 152 | | 3.526 | 3.521 | (0.975) | 367981 | 5.74704 | 384.4174 |
| 7 Acenaphthene | 154 | | 3.633 | 3.628 | (1.004) | 178567 | 5.31786 | 355.7094 |
| 9 Fluorene | 166 | | 3.948 | 3.943 | (1.092) | 221947 | 5.49376 | 367.4757 |
| 11 Phenanthrene | 178 | | 4.584 | 4.579 | (1.002) | 538774 | 10.2363 | 684.7034 |
| 12 Anthracene | 178 | | 4.616 | 4.611 | (1.009) | 362309 | 6.62022 | 442.8243 |

| Compounds | QUANT SIG | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS | |
|---------------------------|-----------|-------|--------|---------|----------|----------------------|------------------|
| | | | | | | ON-COLUMN (ug/ml) | FINAL (ug/Kg) |
| ----- | ---- | ---- | ----- | ----- | ----- | ----- | ----- |
| 13 Carbazole | 167 | 4.749 | 4.739 | (1.039) | 309285 | 5.85819 | 391.8518 |
| 15 Fluoranthene | 202 | 5.455 | 5.439 | (1.193) | 538131 | 8.85186 | 592.0978 |
| 16 Pyrene | 202 | 5.620 | 5.604 | (0.851) | 565882 | 7.61223 | 509.1792 |
| 17 Benzo(a)anthracene | 228 | 6.592 | 6.566 | (0.998) | 497791 | 7.82273 | 523.2597 |
| 19 Chrysene | 228 | 6.619 | 6.598 | (1.002) | 522917 | 8.09997 | 541.8042 |
| 20 Benzo(b)fluoranthene | 252 | 7.415 | 7.389 | (0.963) | 721016 | 9.49793 | 635.3133 |
| 21 Benzo(k)fluoranthene | 252 | 7.431 | 7.410 | (0.965) | 503110 | 5.76427 | 385.5701 |
| 22 Benzo(a)pyrene | 252 | 7.639 | 7.613 | (0.992) | 505590 | 6.69483 | 447.8147 |
| 24 Indeno(1,2,3-cd)pyrene | 276 | 8.478 | 8.430 | (1.101) | 489926 | 6.87075 | 459.5819(M) |
| 25 Dibenzo(a,h)anthracene | 278 | 8.505 | 8.457 | (1.105) | 439224 | 6.62013 | 442.8180 |
| 26 Benzo(g,h,i)perylene | 276 | 8.708 | 8.654 | (1.131) | 455755 | 5.71085 | 381.9968 |

QC Flag Legend

M - Compound response manually integrated.

Data File: 1AD26032.D

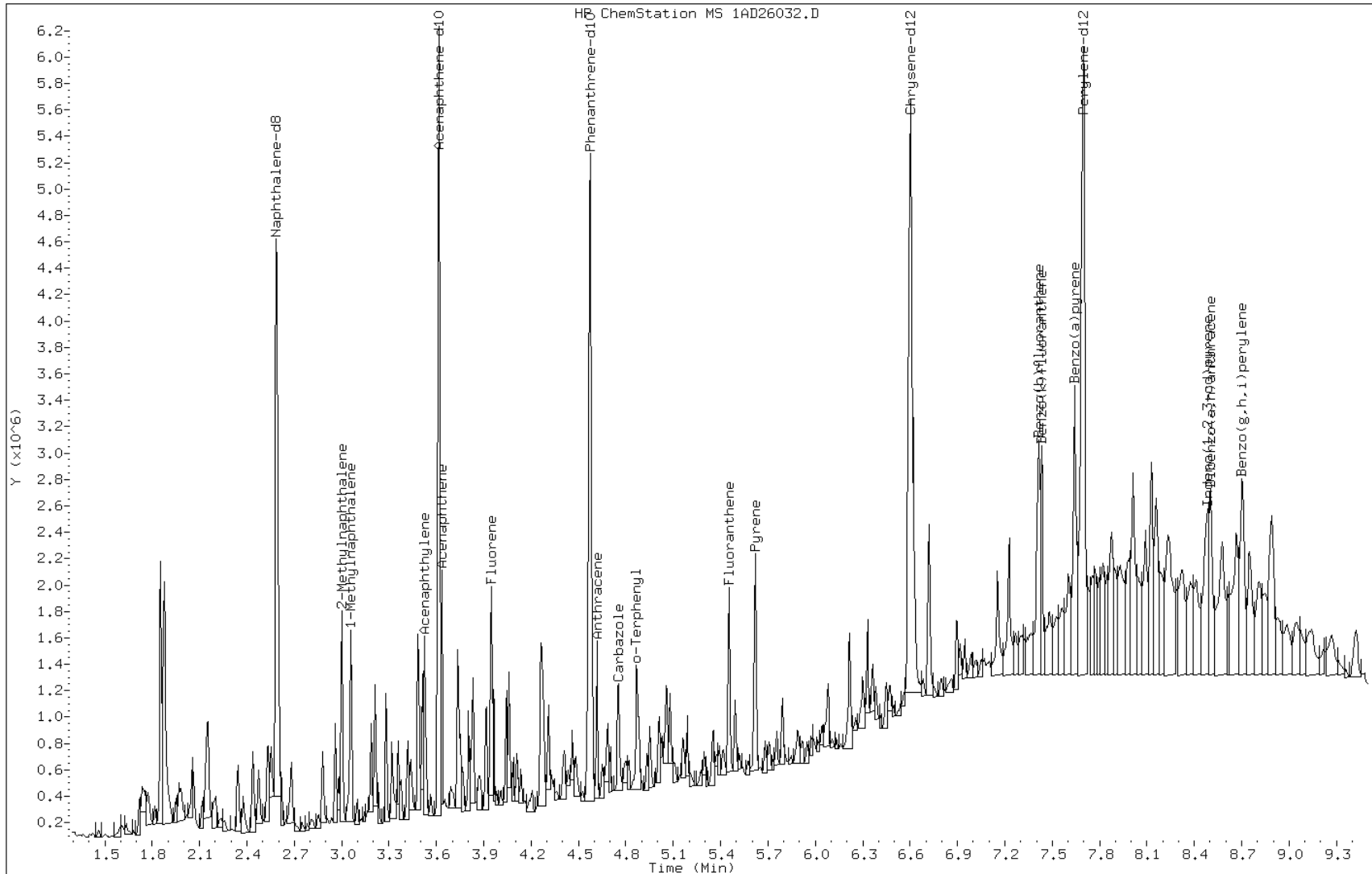
Date: 26-APR-2013 19:04

Client ID:

Instrument: BSMA5973.i

Sample Info: 680-89516-a-2-b ms

Operator: SCC

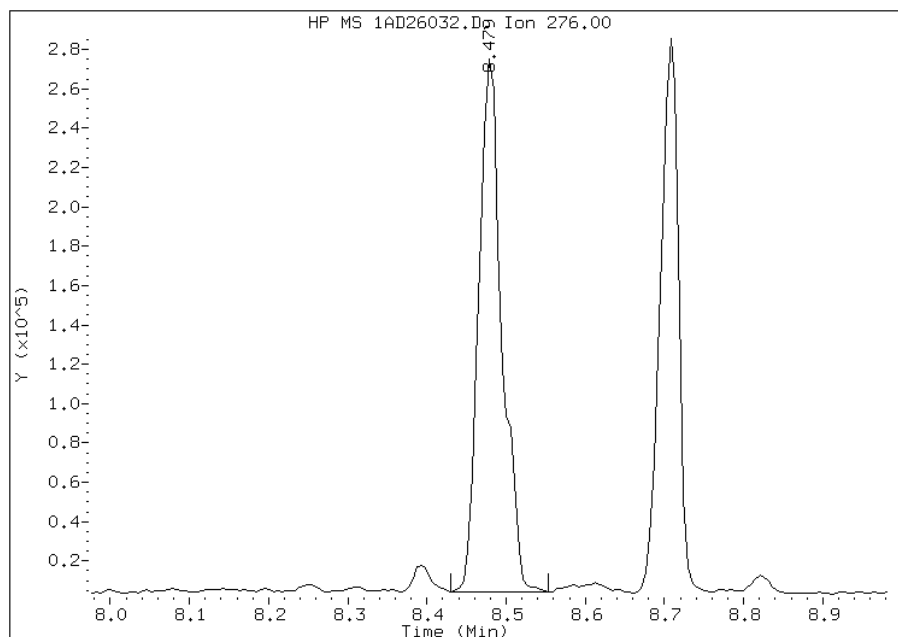


Manual Integration Report

Data File: 1AD26032.D
Inj. Date and Time: 26-APR-2013 19:04
Instrument ID: BSMA5973.i
Client ID:
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/30/2013

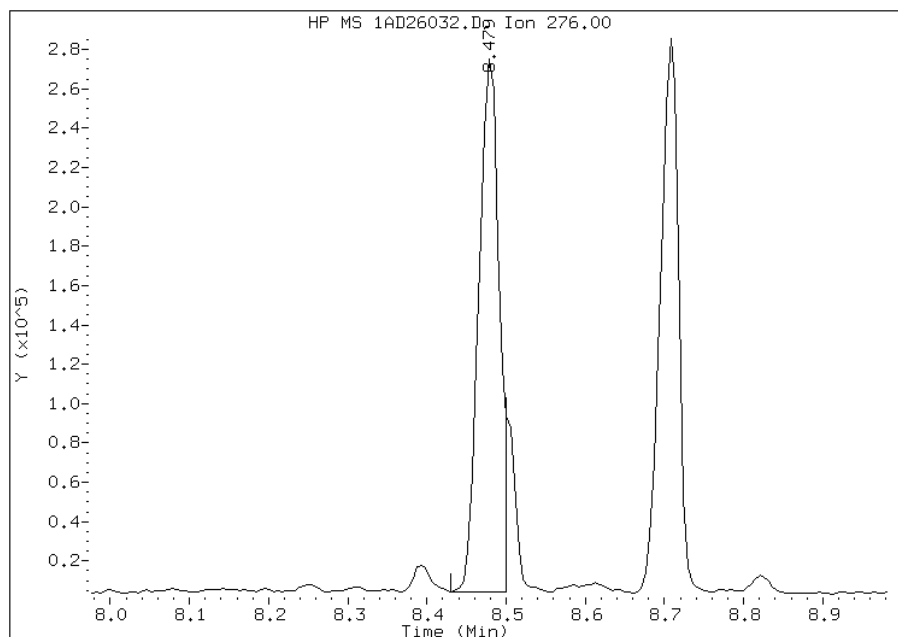
Processing Integration Results

RT: 8.48
Response: 546342
Amount: 8
Conc: 513



Manual Integration Results

RT: 8.48
Response: 489926
Amount: 7
Conc: 460



Manually Integrated By: cantins
Modification Date: 30-Apr-2013 10:24
Manual Integration Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-89516-1
 SDG No.: 68089516-1
 Client Sample ID: _____ Lab Sample ID: 680-89459-A-22-C MSD
 Matrix: Solid Lab File ID: 1DD24021.D
 Analysis Method: 8270C LL Date Collected: _____
 Extract. Method: 3546 Date Extracted: 04/23/2013 14:49
 Sample wt/vol: 15.37 (g) Date Analyzed: 04/24/2013 19:33
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) Level: (low/med) Low
 % Moisture: 23.7 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 136826 Units: ug/Kg

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|----------|------------------------|--------|---|-----|-----|
| 83-32-9 | Acenaphthene | 624 | | 130 | 26 |
| 208-96-8 | Acenaphthylene | 666 | | 51 | 6.4 |
| 120-12-7 | Anthracene | 691 | | 11 | 5.4 |
| 56-55-3 | Benzo[a]anthracene | 855 | | 10 | 5.0 |
| 50-32-8 | Benzo[a]pyrene | 827 | | 13 | 6.6 |
| 205-99-2 | Benzo[b]fluoranthene | 1150 | | 16 | 7.8 |
| 191-24-2 | Benzo[g,h,i]perylene | 619 | | 26 | 5.6 |
| 207-08-9 | Benzo[k]fluoranthene | 835 | | 10 | 4.6 |
| 218-01-9 | Chrysene | 833 | | 12 | 5.8 |
| 53-70-3 | Dibenz(a,h)anthracene | 638 | | 26 | 5.2 |
| 206-44-0 | Fluoranthene | 883 | | 26 | 5.1 |
| 86-73-7 | Fluorene | 682 | | 26 | 5.2 |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 647 | | 26 | 9.1 |
| 90-12-0 | 1-Methylnaphthalene | 708 | | 51 | 5.6 |
| 91-57-6 | 2-Methylnaphthalene | 705 | | 51 | 9.1 |
| 91-20-3 | Naphthalene | 690 | | 51 | 5.6 |
| 85-01-8 | Phenanthrene | 759 | | 10 | 5.0 |
| 129-00-0 | Pyrene | 734 | | 26 | 4.7 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---------|-------------|------|---|--------|
| 84-15-1 | o-Terphenyl | 76 | | 30-130 |

TestAmerica Laboratories

Semivolatiles 8270 low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMSD.i\1D042413.b\1DD24021.D
 Lab Smp Id: 680-89459-A-22-C MS
 Inj Date : 24-APR-2013 19:33
 Operator : SCC Inst ID: BSMSD.i
 Smp Info : 680-89459-A-22-C MSD
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMSD.i\1D042413.b\dFASTPAHi.m
 Meth Date : 24-Apr-2013 13:05 cantins Quant Type: ISTD
 Cal Date : 04-APR-2013 16:04 Cal File: 1DD04013.D
 Als bottle: 21 QC Sample: MSD
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

Concentration Formula:

$$\text{Amt} * \text{DF} * 1/\text{Vi} * \text{Vt}/\text{Ws} * 100/(100 - \text{M}) * \text{A} * \text{B} * \text{C} * \text{D} * \text{GPC} * \text{CpndVariable}$$

| Name | Value | Description |
|---------------|----------|---|
| DF | 1.000 | Dilution Factor |
| Vi | 1.000 | Injection Volume |
| Vt | 1.000 | Final Volume |
| Ws | 15.370 | Weight Extracted |
| M | 0.00000 | % Moisture |
| A | 1000.000 | uL to mL conversion |
| B | 1000.000 | g to kg conversion |
| C | 0.00100 | ng to ug conversion |
| D | 1.000 | ug to mg conversion(value = 1 if no conv) |
| GPC | 1.000 | GPC FACTOR |
| Cpnd Variable | | Local Compound Variable |

| Compounds | QUANT | SIG | MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS | |
|-----------------------|-------|-----|--------|--------|---------|---------|----------|----------------------|------------------|
| | | | | | | | | ON-COLUMN (ug/l) | FINAL (ug/Kg) |
| * 1 Naphthalene-d8 | 136 | | 6.050 | 6.049 | (1.000) | 2013105 | 40.0000 | | |
| * 6 Acenaphthene-d10 | 164 | | 7.730 | 7.730 | (1.000) | 1218867 | 40.0000 | | |
| * 9 Phenanthrene-d10 | 188 | | 8.993 | 8.993 | (1.000) | 1994412 | 40.0000 | | |
| \$ 13 o-Terphenyl | 230 | | 9.299 | 9.298 | (1.034) | 229455 | 7.63564 | 500 | |
| * 17 Chrysene-d12 | 240 | | 11.308 | 11.302 | (1.000) | 2213259 | 40.0000 | | |
| * 22 Perylene-d12 | 264 | | 13.135 | 13.123 | (1.000) | 2227627 | 40.0000 | | |
| 2 Naphthalene | 128 | | 6.073 | 6.073 | (1.004) | 404914 | 8.09233 | 530 | |
| 3 2-Methylnaphthalene | 142 | | 6.778 | 6.778 | (1.120) | 267131 | 8.27023 | 540 | |
| 4 1-Methylnaphthalene | 142 | | 6.872 | 6.872 | (1.136) | 253447 | 8.30900 | 540 | |
| 5 Acenaphthylene | 152 | | 7.601 | 7.600 | (0.983) | 402989 | 7.81173 | 510 | |
| 7 Acenaphthene | 154 | | 7.759 | 7.759 | (1.004) | 233104 | 7.32032 | 480 | |
| 8 Fluorene | 166 | | 8.200 | 8.200 | (1.061) | 301757 | 8.00226 | 520 | |
| 10 Phenanthrene | 178 | | 9.011 | 9.010 | (1.002) | 489120 | 8.90354 | 580 | |
| 11 Anthracene | 178 | | 9.052 | 9.052 | (1.007) | 442206 | 8.11015 | 530 | |

| Compounds | QUANT SIG | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS | |
|---------------------------|-----------|--------|--------|---------|----------|----------------------|------------------|
| | | | | | | ON-COLUMN (ug/l) | FINAL (ug/Kg) |
| 12 Carbazole | 167 | 9.193 | 9.193 | (1.022) | 346743 | 7.20962 | 470 |
| 14 Fluoranthene | 202 | 9.998 | 9.997 | (1.112) | 585322 | 10.3540 | 670 |
| 15 Pyrene | 202 | 10.180 | 10.185 | (0.900) | 571919 | 8.60494 | 560 |
| 16 Benzo(a)anthracene | 228 | 11.290 | 11.284 | (0.998) | 641983 | 10.0326 | 650 |
| 18 Chrysene | 228 | 11.332 | 11.331 | (1.002) | 586065 | 9.76781 | 640 |
| 19 Benzo(b)fluoranthene | 252 | 12.589 | 12.583 | (0.958) | 753511 | 13.5410 | 880(R) |
| 20 Benzo(k)fluoranthene | 252 | 12.618 | 12.618 | (0.961) | 574202 | 9.79467 | 640 |
| 21 Benzo(a)pyrene | 252 | 13.035 | 13.029 | (0.992) | 542366 | 9.70036 | 630 |
| 23 Indeno(1,2,3-cd)pyrene | 276 | 14.716 | 14.710 | (1.120) | 452216 | 7.58514 | 490(M) |
| 24 Dibenzo(a,h)anthracene | 278 | 14.739 | 14.733 | (1.122) | 420457 | 7.48917 | 490 |
| 25 Benzo(g,h,i)perylene | 276 | 15.151 | 15.150 | (1.153) | 417072 | 7.26549 | 470 |

QC Flag Legend

- R - Spike/Surrogate failed recovery limits.
- M - Compound response manually integrated.

Data File: 1DD24021.D

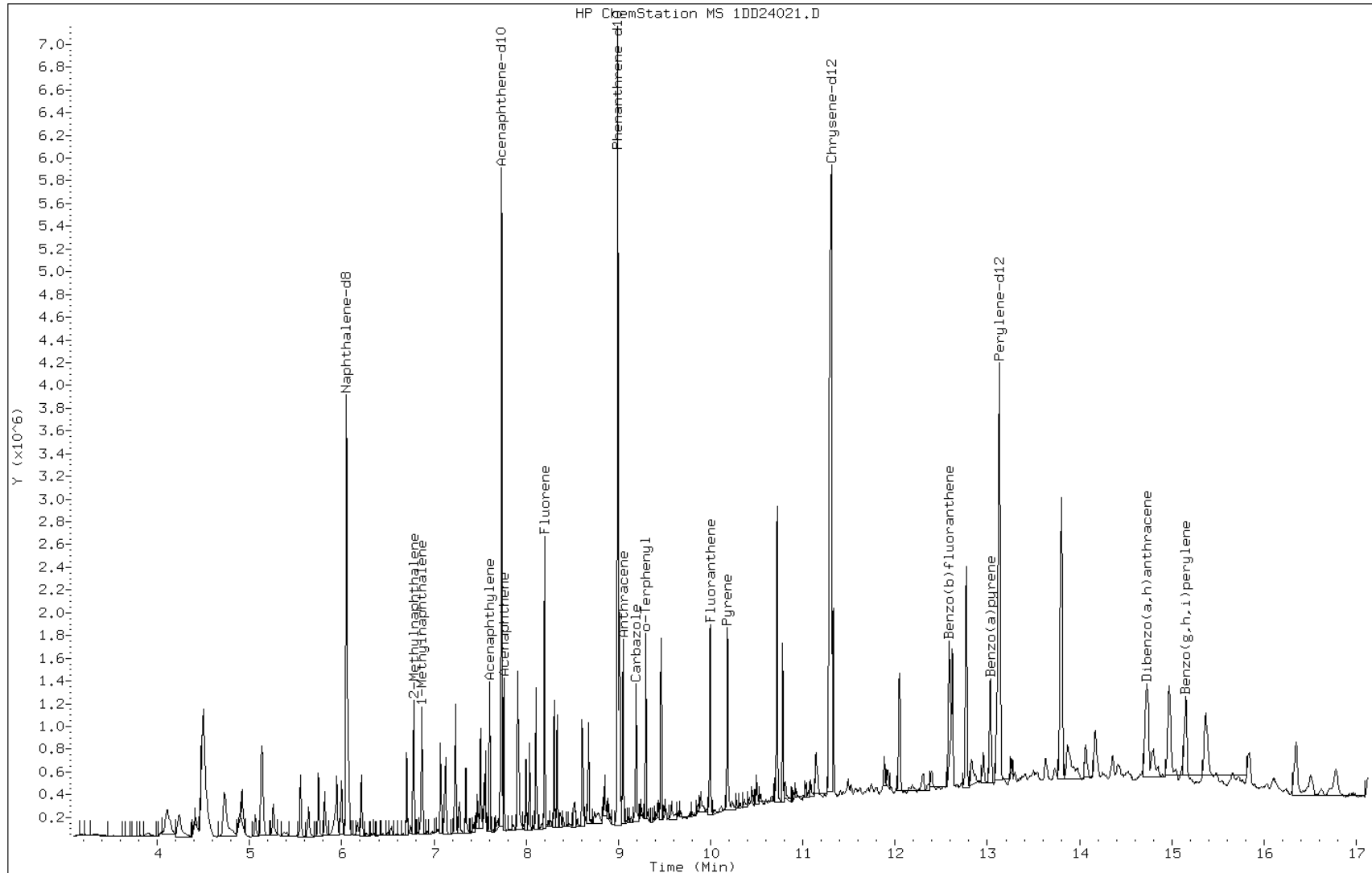
Date: 24-APR-2013 19:33

Client ID:

Instrument: BSMSD.i

Sample Info: 680-89459-A-22-C MSD

Operator: SCC

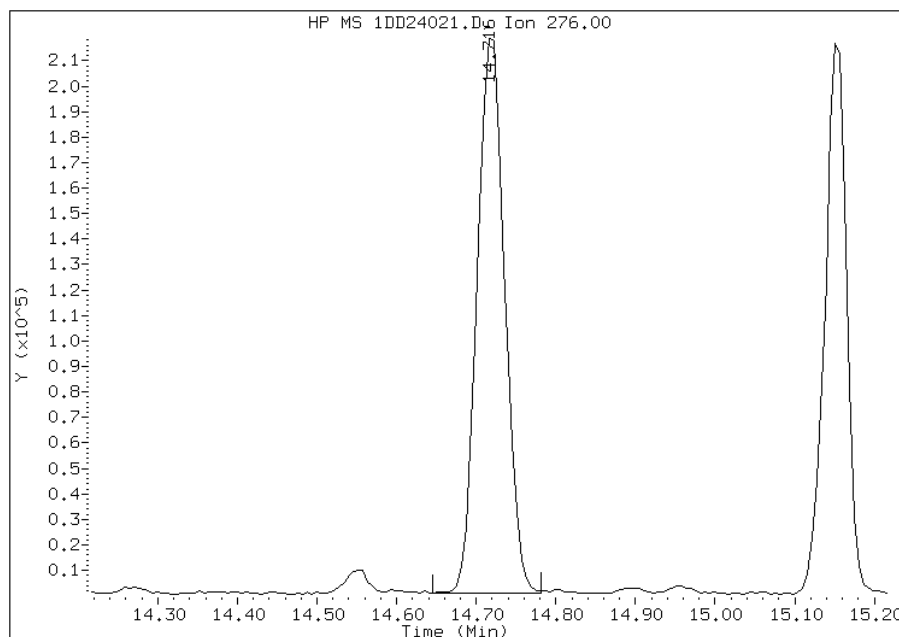


Manual Integration Report

Data File: 1DD24021.D
Inj. Date and Time: 24-APR-2013 19:33
Instrument ID: BSMSD.i
Client ID:
Compound: 23 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/25/2013

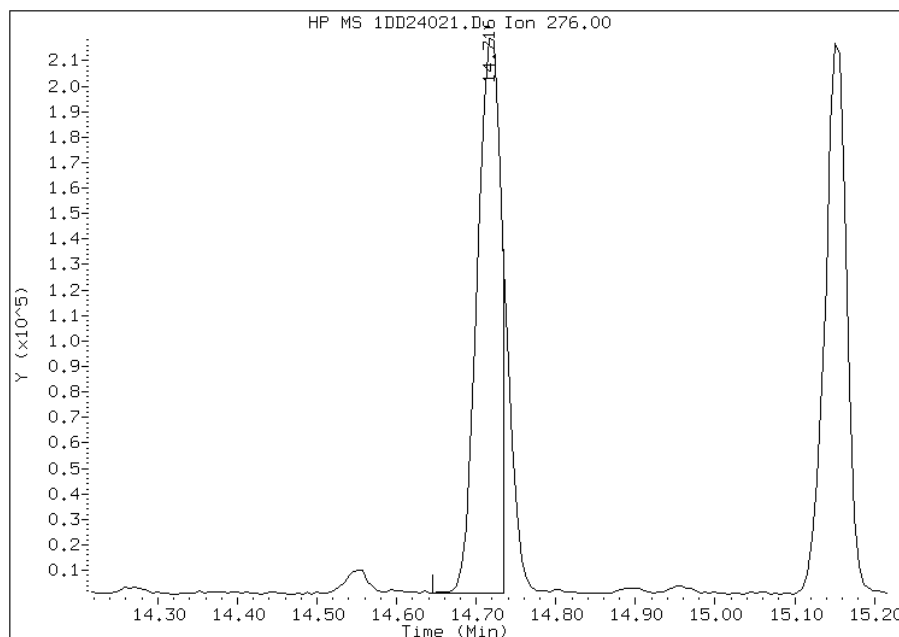
Processing Integration Results

RT: 14.72
Response: 524600
Amount: 9
Conc: 572



Manual Integration Results

RT: 14.72
Response: 452216
Amount: 8
Conc: 494



Manually Integrated By: cantins
Modification Date: 25-Apr-2013 13:14
Manual Integration Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-89516-1
 SDG No.: 68089516-1
 Client Sample ID: _____ Lab Sample ID: 680-89513-A-23-C MSD
 Matrix: Solid Lab File ID: 1DD25012.D
 Analysis Method: 8270C LL Date Collected: _____
 Extract. Method: 3546 Date Extracted: 04/24/2013 09:50
 Sample wt/vol: 15.10 (g) Date Analyzed: 04/25/2013 17:41
 Con. Extract Vol.: 1 (mL) Dilution Factor: 4
 Injection Volume: 1 (uL) Level: (low/med) Low
 % Moisture: 23.4 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 136899 Units: ug/Kg

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|----------|------------------------|--------|---|-----|-----|
| 83-32-9 | Acenaphthene | 514 | J | 520 | 100 |
| 208-96-8 | Acenaphthylene | 567 | | 210 | 26 |
| 120-12-7 | Anthracene | 607 | | 44 | 22 |
| 56-55-3 | Benzo[a]anthracene | 945 | | 42 | 20 |
| 50-32-8 | Benzo[a]pyrene | 764 | | 54 | 27 |
| 205-99-2 | Benzo[b]fluoranthene | 1090 | | 63 | 32 |
| 191-24-2 | Benzo[g,h,i]perylene | 662 | | 100 | 23 |
| 207-08-9 | Benzo[k]fluoranthene | 741 | | 42 | 19 |
| 218-01-9 | Chrysene | 954 | | 47 | 23 |
| 53-70-3 | Dibenz(a,h)anthracene | 596 | | 100 | 21 |
| 206-44-0 | Fluoranthene | 1070 | | 100 | 21 |
| 86-73-7 | Fluorene | 585 | | 100 | 21 |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 617 | | 100 | 37 |
| 90-12-0 | 1-Methylnaphthalene | 1140 | | 210 | 23 |
| 91-57-6 | 2-Methylnaphthalene | 1170 | | 210 | 37 |
| 91-20-3 | Naphthalene | 858 | | 210 | 23 |
| 85-01-8 | Phenanthrene | 1060 | | 42 | 20 |
| 129-00-0 | Pyrene | 941 | | 100 | 19 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---------|-------------|------|---|--------|
| 84-15-1 | o-Terphenyl | 62 | | 30-130 |

TestAmerica Laboratories

Semivolatiles 8270 low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMSD.i\1D042513.b\1DD25012.D
 Lab Smp Id: 680-89513-A-23-C MS
 Inj Date : 25-APR-2013 17:41
 Operator : SCC Inst ID: BSMSD.i
 Smp Info : 680-89513-A-23-C MSD
 Misc Info : 4.0
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMSD.i\1D042513.b\dFASTPAHi.m
 Meth Date : 25-Apr-2013 12:42 cantins Quant Type: ISTD
 Cal Date : 04-APR-2013 16:04 Cal File: 1DD04013.D
 Als bottle: 12 QC Sample: MSD
 Dil Factor: 4.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

Concentration Formula:

$$\text{Amt} * \text{DF} * 1/\text{Vi} * \text{Vt}/\text{Ws} * 100/(100 - \text{M}) * \text{A} * \text{B} * \text{C} * \text{D} * \text{GPC} * \text{CpndVariable}$$

| Name | Value | Description |
|---------------|----------|---|
| DF | 4.000 | Dilution Factor |
| Vi | 1.000 | Injection Volume |
| Vt | 1.000 | Final Volume |
| Ws | 15.100 | Weight Extracted |
| M | 0.00000 | % Moisture |
| A | 1000.000 | uL to mL conversion |
| B | 1000.000 | g to kg conversion |
| C | 0.00100 | ng to ug conversion |
| D | 1.000 | ug to mg conversion(value = 1 if no conv) |
| GPC | 1.000 | GPC FACTOR |
| Cpnd Variable | | Local Compound Variable |

| Compounds | QUANT | SIG | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS | |
|-----------------------|-------|-----|--------|--------|---------|----------|----------------------|------------------|
| | | | | | | | ON-COLUMN (ug/l) | FINAL (ug/Kg) |
| * 1 Naphthalene-d8 | 136 | | 6.049 | 6.049 | (1.000) | 2381189 | 40.0000 | |
| * 6 Acenaphthene-d10 | 164 | | 7.729 | 7.729 | (1.000) | 1508089 | 40.0000 | |
| * 9 Phenanthrene-d10 | 188 | | 8.992 | 8.992 | (1.000) | 2591159 | 40.0000 | |
| \$ 13 o-Terphenyl | 230 | | 9.298 | 9.298 | (1.034) | 60656 | 1.55361 | 410 |
| * 17 Chrysene-d12 | 240 | | 11.301 | 11.307 | (1.000) | 2697275 | 40.0000 | |
| * 22 Perylene-d12 | 264 | | 13.128 | 13.129 | (1.000) | 2753140 | 40.0000 | |
| 2 Naphthalene | 128 | | 6.066 | 6.072 | (1.003) | 146749 | 2.47947 | 660 |
| 3 2-Methylnaphthalene | 142 | | 6.771 | 6.777 | (1.119) | 129289 | 3.38398 | 900(R) |
| 4 1-Methylnaphthalene | 142 | | 6.865 | 6.871 | (1.135) | 118689 | 3.28961 | 870(R) |
| 5 Acenaphthylene | 152 | | 7.600 | 7.600 | (0.983) | 104642 | 1.63942 | 430 |
| 7 Acenaphthene | 154 | | 7.752 | 7.759 | (1.003) | 58542 | 1.48586 | 390 |
| 8 Fluorene | 166 | | 8.193 | 8.199 | (1.060) | 78960 | 1.69236 | 450 |
| 10 Phenanthrene | 178 | | 9.010 | 9.010 | (1.002) | 217956 | 3.05378 | 810 |
| 11 Anthracene | 178 | | 9.045 | 9.051 | (1.006) | 124244 | 1.75388 | 460 |

| Compounds | QUANT SIG | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS | |
|---------------------------|-----------|--------|--------|---------|----------|----------------------|------------------|
| | | | | | | ON-COLUMN (ug/l) | FINAL (ug/Kg) |
| 12 Carbazole | 167 | 9.186 | 9.192 | (1.022) | 101865 | 1.63024 | 430 |
| 14 Fluoranthene | 202 | 9.991 | 9.997 | (1.111) | 227707 | 3.10034 | 820 |
| 15 Pyrene | 202 | 10.179 | 10.185 | (0.901) | 220222 | 2.71882 | 720 |
| 16 Benzo(a)anthracene | 228 | 11.289 | 11.284 | (0.999) | 212949 | 2.73069 | 720 |
| 18 Chrysene | 228 | 11.325 | 11.331 | (1.002) | 201549 | 2.75638 | 730 |
| 19 Benzo(b)fluoranthene | 252 | 12.576 | 12.582 | (0.958) | 216339 | 3.14565 | 830 |
| 20 Benzo(k)fluoranthene | 252 | 12.611 | 12.623 | (0.961) | 155210 | 2.14219 | 570 |
| 21 Benzo(a)pyrene | 252 | 13.023 | 13.035 | (0.992) | 152615 | 2.20855 | 580 |
| 23 Indeno(1,2,3-cd)pyrene | 276 | 14.697 | 14.715 | (1.119) | 131369 | 1.78289 | 470(M) |
| 24 Dibenzo(a,h)anthracene | 278 | 14.721 | 14.744 | (1.121) | 119531 | 1.72269 | 460 |
| 25 Benzo(g,h,i)perylene | 276 | 15.138 | 15.156 | (1.153) | 135823 | 1.91444 | 510 |

QC Flag Legend

- R - Spike/Surrogate failed recovery limits.
- M - Compound response manually integrated.

Data File: 1DD25012.D

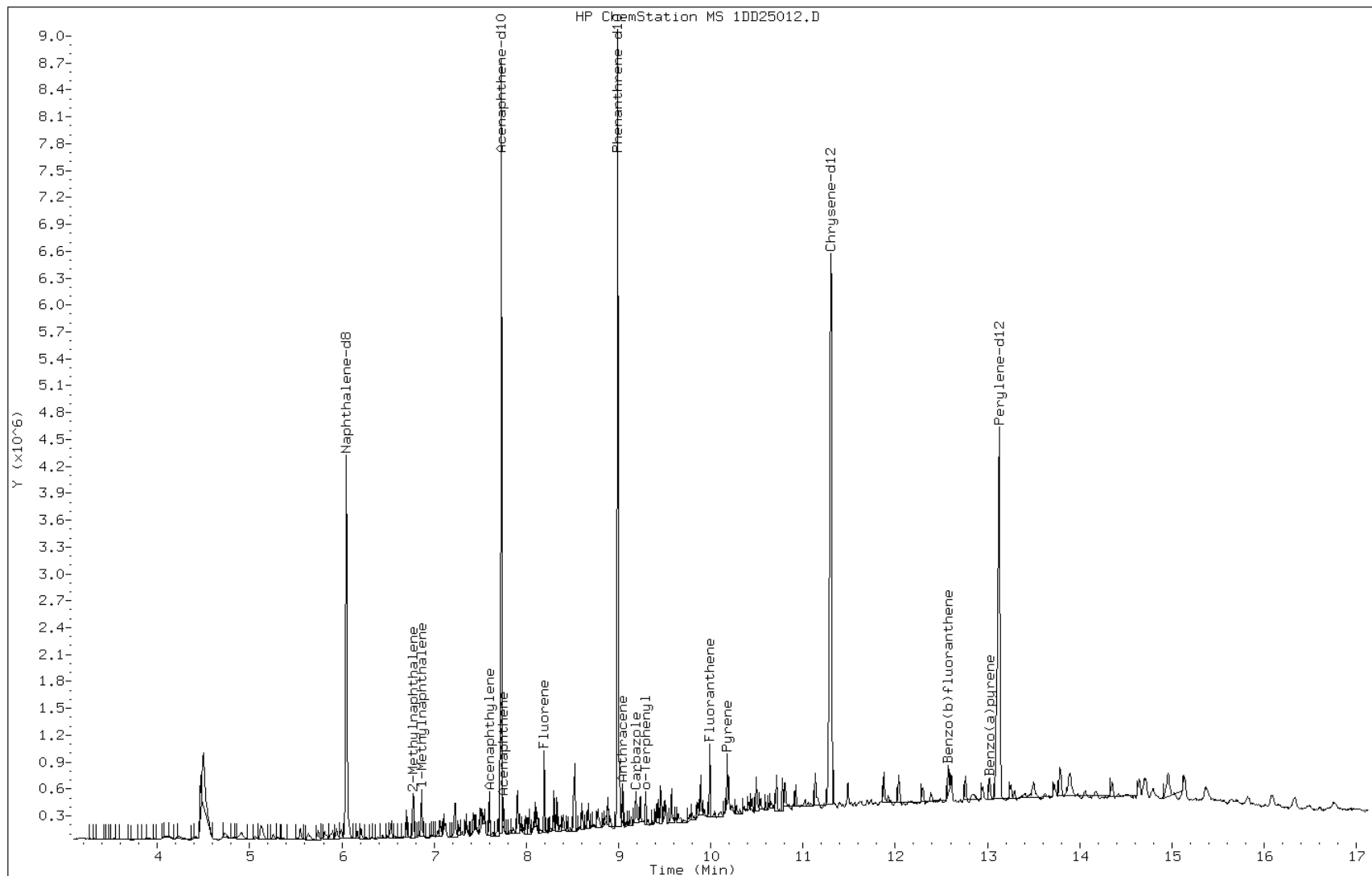
Date: 25-APR-2013 17:41

Client ID:

Instrument: BSMSD.i

Sample Info: 680-89513-A-23-C MSD

Operator: SCC

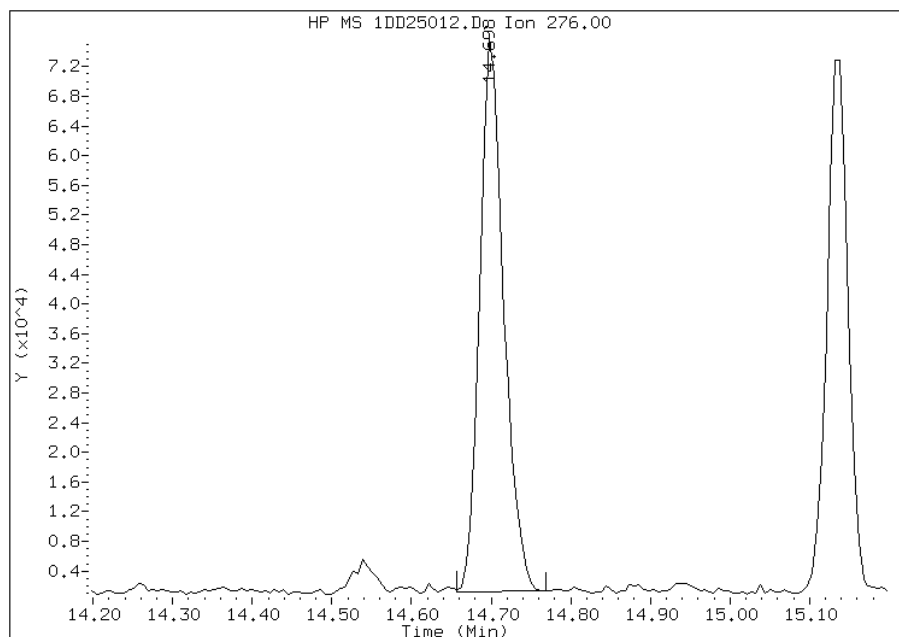


Manual Integration Report

Data File: 1DD25012.D
Inj. Date and Time: 25-APR-2013 17:41
Instrument ID: BSMSD.i
Client ID:
Compound: 23 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/26/2013

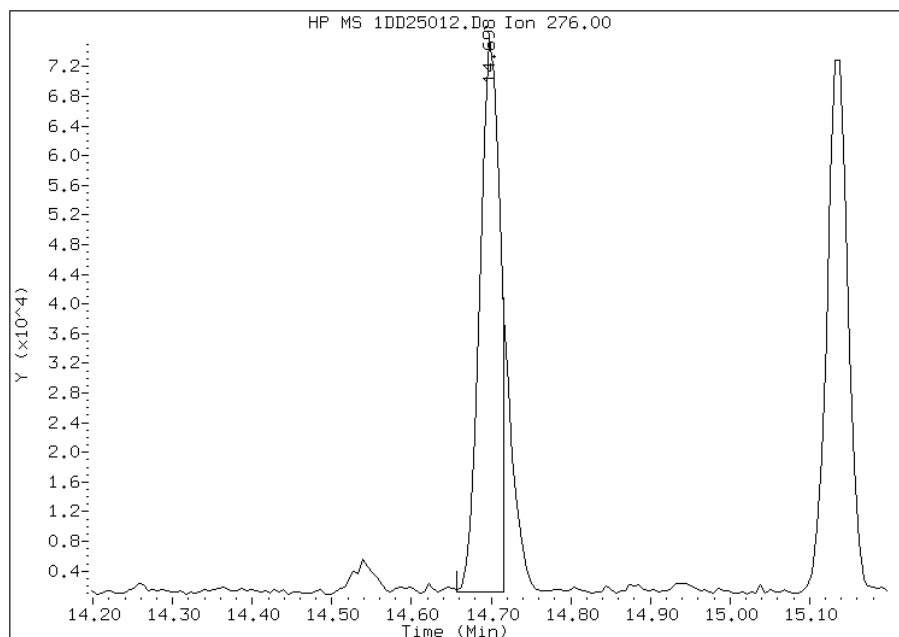
Processing Integration Results

RT: 14.70
Response: 155588
Amount: 2
Conc: 559



Manual Integration Results

RT: 14.70
Response: 131369
Amount: 2
Conc: 472



Manually Integrated By: cantins
Modification Date: 26-Apr-2013 15:53
Manual Integration Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-89516-1
 SDG No.: 68089516-1
 Client Sample ID: CV0117B-CS MSD Lab Sample ID: 680-89516-2 MSD
 Matrix: Solid Lab File ID: 1AD26033.D
 Analysis Method: 8270C LL Date Collected: 04/17/2013 10:30
 Extract. Method: 3546 Date Extracted: 04/25/2013 09:13
 Sample wt/vol: 14.95(g) Date Analyzed: 04/26/2013 19:19
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 28.0 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 136892 Units: ug/Kg

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|----------|------------------------|--------|---|-----|-----|
| 83-32-9 | Acenaphthene | 672 | | 140 | 28 |
| 208-96-8 | Acenaphthylene | 737 | | 56 | 7.0 |
| 120-12-7 | Anthracene | 838 | | 12 | 5.9 |
| 56-55-3 | Benzo[a]anthracene | 929 | | 11 | 5.4 |
| 50-32-8 | Benzo[a]pyrene | 816 | | 14 | 7.2 |
| 205-99-2 | Benzo[b]fluoranthene | 1110 | | 17 | 8.5 |
| 191-24-2 | Benzo[g,h,i]perylene | 679 | | 28 | 6.1 |
| 207-08-9 | Benzo[k]fluoranthene | 725 | | 11 | 5.0 |
| 218-01-9 | Chrysene | 995 | | 13 | 6.3 |
| 53-70-3 | Dibenz(a,h)anthracene | 774 | | 28 | 5.7 |
| 206-44-0 | Fluoranthene | 1100 | | 28 | 5.6 |
| 86-73-7 | Fluorene | 717 | | 28 | 5.7 |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 790 | | 28 | 9.9 |
| 90-12-0 | 1-Methylnaphthalene | 1310 | | 56 | 6.1 |
| 91-57-6 | 2-Methylnaphthalene | 1390 | | 56 | 9.9 |
| 91-20-3 | Naphthalene | 1980 | | 56 | 6.1 |
| 85-01-8 | Phenanthrene | 1520 | | 11 | 5.4 |
| 129-00-0 | Pyrene | 1040 | | 28 | 5.2 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---------|-------------|------|---|--------|
| 84-15-1 | o-Terphenyl | 73 | | 30-130 |

TestAmerica Laboratories

Semivolatiles 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMA5973.i\1A042613_IC.b\1AD26033.D
 Lab Smp Id: 680-89516-a-2-c msd
 Inj Date : 26-APR-2013 19:19
 Operator : SCC
 Smp Info : 680-89516-a-2-c msd
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMA5973.i\1A042613_IC.b\a-bFASTPAHi-m.m
 Meth Date : 26-Apr-2013 14:21 cantins Quant Type: ISTD
 Cal Date : 26-APR-2013 11:34 Cal File: 1AD26009.D
 Als bottle: 33 QC Sample: MSD
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

Concentration Formula:

$$\text{Amt} * \text{DF} * 1/\text{Vi} * \text{Vt}/\text{Ws} * 100/(100 - \text{M}) * \text{A} * \text{B} * \text{C} * \text{D} * \text{GPC} * \text{CpndVariable}$$

| Name | Value | Description |
|---------------|----------|---|
| DF | 1.000 | Dilution Factor |
| Vi | 1.000 | Injection Volume |
| Vt | 1.000 | Final Volume |
| Ws | 14.950 | Weight Extracted |
| M | 0.00000 | % Moisture |
| A | 1000.000 | uL to mL conversion |
| B | 1000.000 | g to kg conversion |
| C | 0.00100 | ng to ug conversion |
| D | 1.000 | ug to mg conversion(value = 1 if no conv) |
| GPC | 1.000 | GPC FACTOR |
| Cpnd Variable | | Local Compound Variable |

| Compounds | QUANT | SIG | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS | |
|-----------------------|-------|-----|-------|--------|---------|----------|----------------|--------------|
| | | | | | | | ON-COLUMN | FINAL |
| | MASS | | | | | | (ug/ml) | (ug/Kg) |
| * 1 Naphthalene-d8 | 136 | | 2.586 | 2.581 | (1.000) | 2227982 | 40.0000 | |
| * 6 Acenaphthene-d10 | 164 | | 3.617 | 3.606 | (1.000) | 1164448 | 40.0000 | |
| * 10 Phenanthrene-d10 | 188 | | 4.573 | 4.563 | (1.000) | 1875090 | 40.0000 | |
| \$ 14 o-Terphenyl | 230 | | 4.872 | 4.862 | (1.065) | 224382 | 7.31606 | 489.3688 |
| * 18 Chrysene-d12 | 240 | | 6.614 | 6.582 | (1.000) | 2009883 | 40.0000 | (H) |
| * 23 Perylene-d12 | 264 | | 7.714 | 7.666 | (1.000) | 2442950 | 40.0000 | |
| 2 Naphthalene | 128 | | 2.596 | 2.591 | (1.004) | 1185199 | 21.2802 | 1423.4231(R) |
| 3 2-Methylnaphthalene | 141 | | 3.002 | 2.997 | (1.161) | 478630 | 14.9894 | 1002.6375(R) |
| 4 1-Methylnaphthalene | 142 | | 3.061 | 3.051 | (1.184) | 500469 | 14.1467 | 946.2671(R) |
| 5 Acenaphthylene | 152 | | 3.531 | 3.521 | (0.976) | 539354 | 7.92543 | 530.1293 |
| 7 Acenaphthene | 154 | | 3.633 | 3.628 | (1.004) | 258042 | 7.23030 | 483.6318 |
| 9 Fluorene | 166 | | 3.948 | 3.943 | (1.092) | 331404 | 7.71807 | 516.2587 |
| 11 Phenanthrene | 178 | | 4.589 | 4.579 | (1.004) | 889355 | 16.3732 | 1095.1997(R) |
| 12 Anthracene | 178 | | 4.621 | 4.611 | (1.011) | 509323 | 9.01798 | 603.2091 |

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS | |
|---------------------------|-------------------|-------|--------|---------|----------|----------------------|------------------|
| | | | | | | ON-COLUMN (ug/ml) | FINAL (ug/Kg) |
| 13 Carbazole | 167 | 4.755 | 4.739 | (1.040) | 392272 | 7.19969 | 481.5846 |
| 15 Fluoranthene | 202 | 5.460 | 5.439 | (1.194) | 742095 | 11.8285 | 791.2018 |
| 16 Pyrene | 202 | 5.625 | 5.604 | (0.851) | 861508 | 11.2353 | 751.5272(H) |
| 17 Benzo(a)anthracene | 228 | 6.603 | 6.566 | (0.998) | 655980 | 9.99408 | 668.5000(H) |
| 19 Chrysene | 228 | 6.624 | 6.598 | (1.002) | 713141 | 10.7094 | 716.3505(H) |
| 20 Benzo(b)fluoranthene | 252 | 7.426 | 7.389 | (0.963) | 887062 | 11.9604 | 800.0276 |
| 21 Benzo(k)fluoranthene | 252 | 7.447 | 7.410 | (0.965) | 665472 | 7.80404 | 522.0092 |
| 22 Benzo(a)pyrene | 252 | 7.655 | 7.613 | (0.992) | 647668 | 8.77812 | 587.1651 |
| 24 Indeno(1,2,3-cd)pyrene | 276 | 8.499 | 8.430 | (1.102) | 592519 | 8.50519 | 568.9088(M) |
| 25 Dibenzo(a,h)anthracene | 278 | 8.526 | 8.457 | (1.105) | 539686 | 8.32587 | 556.9142 |
| 26 Benzo(g,h,i)perylene | 276 | 8.734 | 8.654 | (1.132) | 569357 | 7.30234 | 488.4509 |

QC Flag Legend

- R - Spike/Surrogate failed recovery limits.
- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

Data File: 1AD26033.D

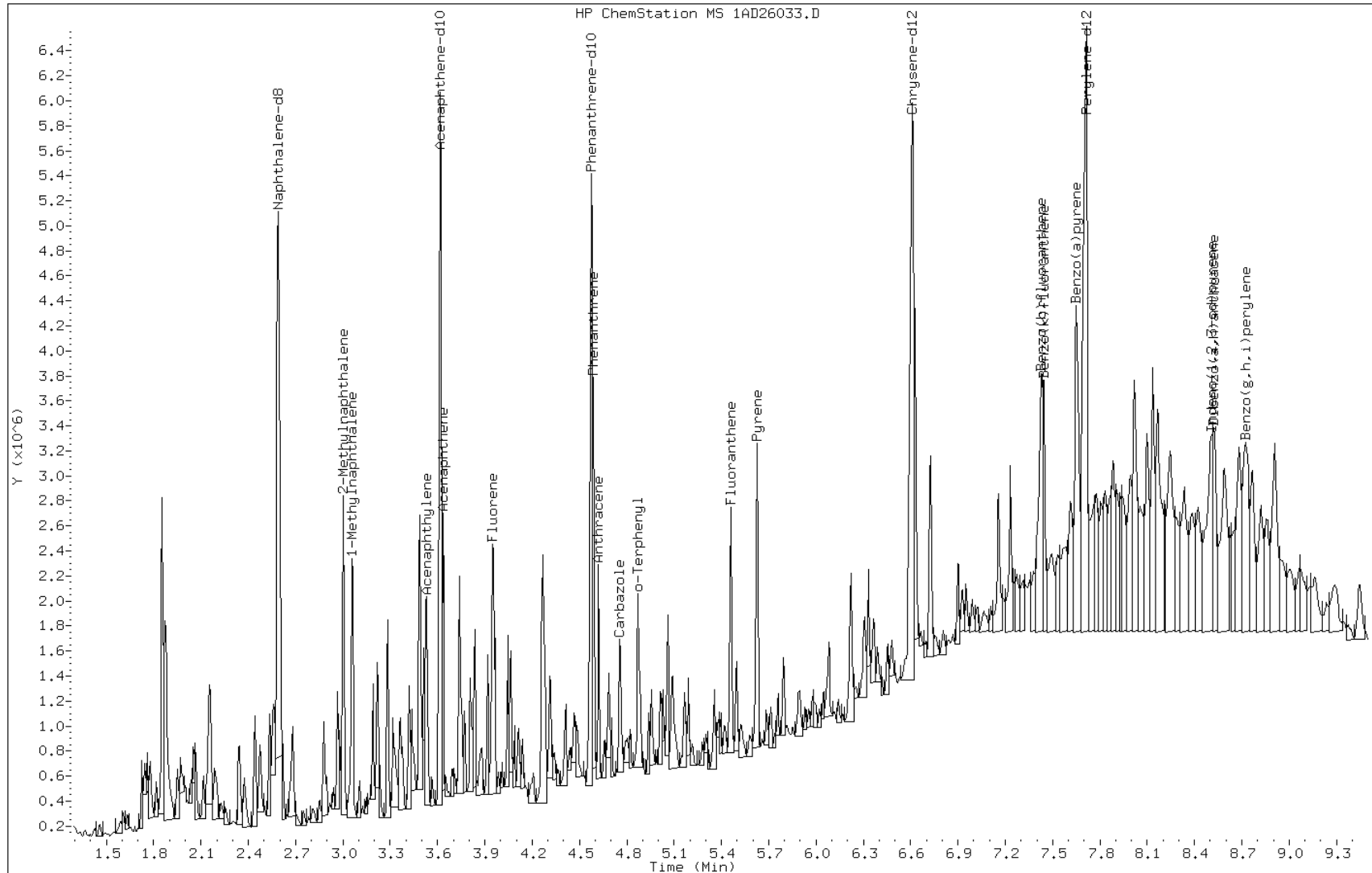
Date: 26-APR-2013 19:19

Client ID:

Instrument: BSMA5973.i

Sample Info: 680-89516-a-2-c msd

Operator: SCC

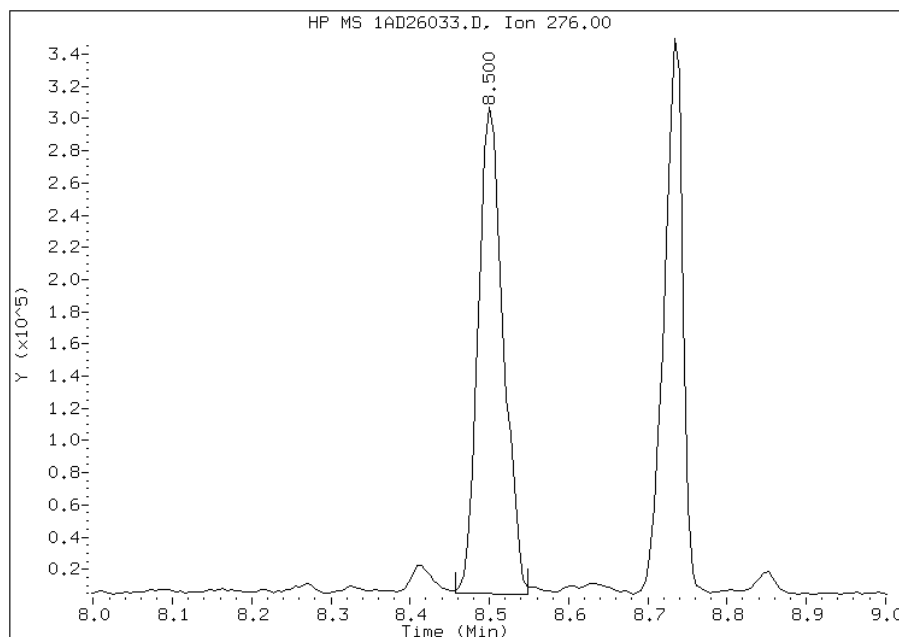


Manual Integration Report

Data File: 1AD26033.D
Inj. Date and Time: 26-APR-2013 19:19
Instrument ID: BSMA5973.i
Client ID:
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/30/2013

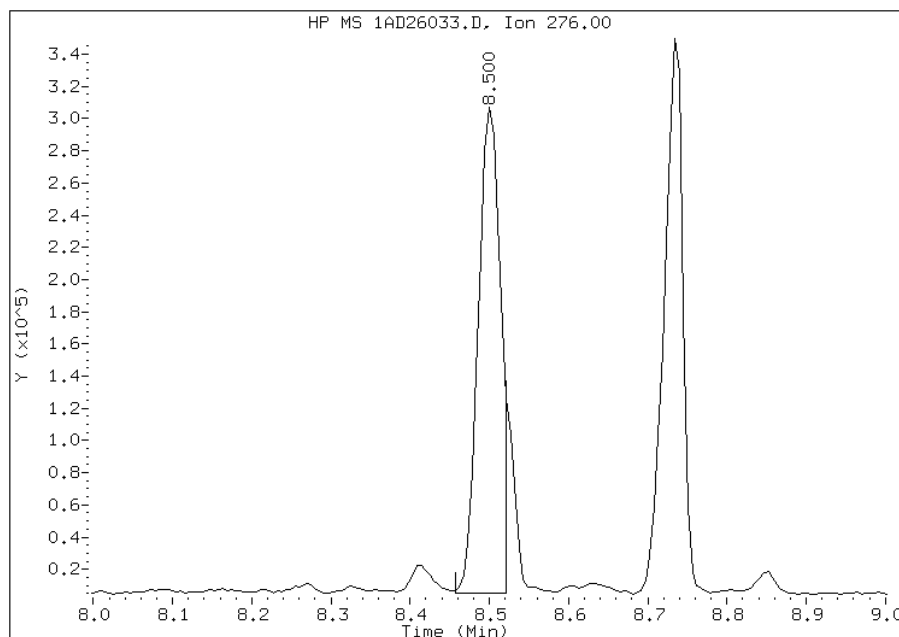
Processing Integration Results

RT: 8.50
Response: 659109
Amount: 9
Conc: 633



Manual Integration Results

RT: 8.50
Response: 592519
Amount: 9
Conc: 569



Manually Integrated By: cantins
Modification Date: 30-Apr-2013 10:25
Manual Integration Reason: Split Peak

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica TampaJob No.: 680-89516-1SDG No.: 68089516-1Instrument ID: BSMA5973Start Date: 04/26/2013 09:20Analysis Batch Number: 136892End Date: 04/26/2013 19:35

| LAB SAMPLE ID | CLIENT SAMPLE ID | DATE ANALYZED | DILUTION FACTOR | LAB FILE ID | COLUMN ID |
|--------------------|------------------|------------------|--------------------|-------------|-----------------|
| ZZZZZ | | 04/26/2013 09:20 | 1 | | DB-5MS 250 (um) |
| ZZZZZ | | 04/26/2013 09:35 | 1 | | DB-5MS 250 (um) |
| DFTPP 660-136892/2 | | 04/26/2013 09:50 | 1 | 1AD26002.D | DB-5MS 250 (um) |
| IC 660-136892/3 | | 04/26/2013 10:03 | 1 | 1AD26003.D | DB-5MS 250 (um) |
| IC 660-136892/4 | | 04/26/2013 10:18 | 1 | 1AD26004.D | DB-5MS 250 (um) |
| IC 660-136892/5 | | 04/26/2013 10:33 | 1 | 1AD26005.D | DB-5MS 250 (um) |
| IC 660-136892/6 | | 04/26/2013 10:48 | 1 | 1AD26006.D | DB-5MS 250 (um) |
| ICIS 660-136892/7 | | 04/26/2013 11:03 | 1 | 1AD26007.D | DB-5MS 250 (um) |
| IC 660-136892/8 | | 04/26/2013 11:19 | 1 | 1AD26008.D | DB-5MS 250 (um) |
| IC 660-136892/9 | | 04/26/2013 11:34 | 1 | 1AD26009.D | DB-5MS 250 (um) |
| ICV 660-136892/10 | | 04/26/2013 11:49 | 1 | 1AD26010.D | DB-5MS 250 (um) |
| MB 660-136818/1-A | | 04/26/2013 13:49 | 1 | 1AD26011.D | DB-5MS 250 (um) |
| LCS 660-136818/2-A | | 04/26/2013 14:04 | 1 | 1AD26012.D | DB-5MS 250 (um) |
| ZZZZZ | | 04/26/2013 14:19 | 1 | | DB-5MS 250 (um) |
| ZZZZZ | | 04/26/2013 14:34 | 4 | | DB-5MS 250 (um) |
| ZZZZZ | | 04/26/2013 14:49 | 1 | | DB-5MS 250 (um) |
| ZZZZZ | | 04/26/2013 15:04 | 4 | | DB-5MS 250 (um) |
| ZZZZZ | | 04/26/2013 15:19 | 1 | | DB-5MS 250 (um) |
| ZZZZZ | | 04/26/2013 15:34 | 4 | | DB-5MS 250 (um) |
| ZZZZZ | | 04/26/2013 15:49 | 1 | | DB-5MS 250 (um) |
| ZZZZZ | | 04/26/2013 16:04 | 1 | | DB-5MS 250 (um) |
| ZZZZZ | | 04/26/2013 16:19 | 1 | | DB-5MS 250 (um) |
| ZZZZZ | | 04/26/2013 16:34 | 1 | | DB-5MS 250 (um) |
| ZZZZZ | | 04/26/2013 16:49 | 1 | | DB-5MS 250 (um) |
| ZZZZZ | | 04/26/2013 17:04 | 1 | | DB-5MS 250 (um) |
| ZZZZZ | | 04/26/2013 17:19 | 1 | | DB-5MS 250 (um) |
| ZZZZZ | | 04/26/2013 17:34 | 4 | | DB-5MS 250 (um) |
| ZZZZZ | | 04/26/2013 17:49 | 1 | | DB-5MS 250 (um) |
| ZZZZZ | | 04/26/2013 18:04 | 1 | | DB-5MS 250 (um) |
| ZZZZZ | | 04/26/2013 18:19 | 1 | | DB-5MS 250 (um) |
| ZZZZZ | | 04/26/2013 18:34 | 1 | | DB-5MS 250 (um) |
| 680-89516-2 | CV0117B-CS | 04/26/2013 18:49 | 1 | 1AD26031.D | DB-5MS 250 (um) |
| 680-89516-2 MS | CV0117B-CS MS | 04/26/2013 19:04 | 1 | 1AD26032.D | DB-5MS 250 (um) |
| 680-89516-2 MSD | CV0117B-CS MSD | 04/26/2013 19:19 | 1 | 1AD26033.D | DB-5MS 250 (um) |
| ZZZZZ | | 04/26/2013 19:35 | 4 | | DB-5MS 250 (um) |

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica TampaJob No.: 680-89516-1SDG No.: 68089516-1Instrument ID: BSMC5973Start Date: 04/24/2013 09:38Analysis Batch Number: 136792End Date: 04/25/2013 00:55

| LAB SAMPLE ID | CLIENT SAMPLE ID | DATE ANALYZED | DILUTION FACTOR | LAB FILE ID | COLUMN ID |
|--------------------|------------------|------------------|--------------------|-------------|-----------------|
| ZZZZZ | | 04/24/2013 09:38 | 1 | | DB-5MS 250 (um) |
| ZZZZZ | | 04/24/2013 10:05 | 1 | | DB-5MS 250 (um) |
| DFTPP 660-136792/2 | | 04/24/2013 10:23 | 1 | | DB-5MS 250 (um) |
| DFTPP 660-136792/3 | | 04/24/2013 10:47 | 1 | | DB-5MS 250 (um) |
| ZZZZZ | | 04/24/2013 12:43 | 1 | | DB-5MS 250 (um) |
| ZZZZZ | | 04/24/2013 13:01 | 1 | | DB-5MS 250 (um) |
| DFTPP 660-136792/6 | | 04/24/2013 13:20 | 1 | | DB-5MS 250 (um) |
| DFTPP 660-136792/7 | | 04/24/2013 13:40 | 1 | 1CD24006.D | DB-5MS 250 (um) |
| ICIS 660-136792/8 | | 04/24/2013 13:57 | 1 | 1CD24007.D | DB-5MS 250 (um) |
| IC 660-136792/9 | | 04/24/2013 14:16 | 1 | 1CD24008.D | DB-5MS 250 (um) |
| IC 660-136792/10 | | 04/24/2013 14:34 | 1 | 1CD24009.D | DB-5MS 250 (um) |
| IC 660-136792/11 | | 04/24/2013 14:52 | 1 | 1CD24010.D | DB-5MS 250 (um) |
| IC 660-136792/12 | | 04/24/2013 15:11 | 1 | 1CD24011.D | DB-5MS 250 (um) |
| IC 660-136792/13 | | 04/24/2013 15:29 | 1 | 1CD24012.D | DB-5MS 250 (um) |
| IC 660-136792/14 | | 04/24/2013 15:47 | 1 | 1CD24013.D | DB-5MS 250 (um) |
| ICV 660-136792/15 | | 04/24/2013 16:06 | 1 | 1CD24014.D | DB-5MS 250 (um) |
| ZZZZZ | | 04/24/2013 16:40 | 1 | | DB-5MS 250 (um) |
| ZZZZZ | | 04/24/2013 16:58 | 1 | | DB-5MS 250 (um) |
| ZZZZZ | | 04/24/2013 17:16 | 4 | | DB-5MS 250 (um) |
| ZZZZZ | | 04/24/2013 17:34 | 4 | | DB-5MS 250 (um) |
| ZZZZZ | | 04/24/2013 17:52 | 4 | | DB-5MS 250 (um) |
| ZZZZZ | | 04/24/2013 18:11 | 1 | | DB-5MS 250 (um) |
| ZZZZZ | | 04/24/2013 18:29 | 1 | | DB-5MS 250 (um) |
| ZZZZZ | | 04/24/2013 18:47 | 4 | | DB-5MS 250 (um) |
| ZZZZZ | | 04/24/2013 19:05 | 1 | | DB-5MS 250 (um) |
| ZZZZZ | | 04/24/2013 19:24 | 1 | | DB-5MS 250 (um) |
| ZZZZZ | | 04/24/2013 19:42 | 1 | | DB-5MS 250 (um) |
| ZZZZZ | | 04/24/2013 20:00 | 1 | | DB-5MS 250 (um) |
| ZZZZZ | | 04/24/2013 20:19 | 1 | | DB-5MS 250 (um) |
| ZZZZZ | | 04/24/2013 20:37 | 1 | | DB-5MS 250 (um) |
| ZZZZZ | | 04/24/2013 20:55 | 1 | | DB-5MS 250 (um) |
| ZZZZZ | | 04/24/2013 21:14 | 1 | | DB-5MS 250 (um) |
| ZZZZZ | | 04/24/2013 21:32 | 1 | | DB-5MS 250 (um) |
| ZZZZZ | | 04/24/2013 21:51 | 1 | | DB-5MS 250 (um) |
| ZZZZZ | | 04/24/2013 22:09 | 1 | | DB-5MS 250 (um) |
| ZZZZZ | | 04/24/2013 22:27 | 1 | | DB-5MS 250 (um) |
| ZZZZZ | | 04/24/2013 22:46 | 1 | | DB-5MS 250 (um) |
| ZZZZZ | | 04/24/2013 23:04 | 1 | | DB-5MS 250 (um) |
| ZZZZZ | | 04/24/2013 23:23 | 1 | | DB-5MS 250 (um) |
| ZZZZZ | | 04/24/2013 23:41 | 1 | | DB-5MS 250 (um) |
| 680-89516-8 | HP0234A-CS-SP | 04/24/2013 23:59 | 4 | 1CD24039.D | DB-5MS 250 (um) |
| 680-89516-9 | HP0234B-CS-SP | 04/25/2013 00:18 | 1 | 1CD24040.D | DB-5MS 250 (um) |
| 680-89516-10 | FM0296A-CS-SP | 04/25/2013 00:36 | 1 | 1CD24041.D | DB-5MS 250 (um) |
| 680-89516-11 | FM0296B-CS-SP | 04/25/2013 00:55 | 1 | 1CD24042.D | DB-5MS 250 (um) |

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Tampa Job No.: 680-89516-1SDG No.: 68089516-1Instrument ID: BSMD5973 Start Date: 04/04/2013 11:04Analysis Batch Number: 136164 End Date: 04/04/2013 20:36

| LAB SAMPLE ID | CLIENT SAMPLE ID | DATE ANALYZED | DILUTION FACTOR | LAB FILE ID | COLUMN ID |
|--------------------|------------------|------------------|-----------------|-------------|-----------------|
| ZZZZZ | | 04/04/2013 11:04 | 1 | | DB-5MS 250 (um) |
| ZZZZZ | | 04/04/2013 11:30 | 1 | | DB-5MS 250 (um) |
| DFTPP 660-136164/2 | | 04/04/2013 11:55 | 1 | | DB-5MS 250 (um) |
| DFTPP 660-136164/3 | | 04/04/2013 12:15 | 1 | 1DD04003.D | DB-5MS 250 (um) |
| CCVIS 660-136164/4 | | 04/04/2013 12:34 | 1 | | DB-5MS 250 (um) |
| ZZZZZ | | 04/04/2013 13:02 | 1 | | DB-5MS 250 (um) |
| ZZZZZ | | 04/04/2013 13:26 | 1 | | DB-5MS 250 (um) |
| IC 660-136164/15 | | 04/04/2013 13:49 | 1 | 1DD04007.D | DB-5MS 250 (um) |
| IC 660-136164/16 | | 04/04/2013 14:11 | 1 | 1DD04008.D | DB-5MS 250 (um) |
| IC 660-136164/17 | | 04/04/2013 14:34 | 1 | 1DD04009.D | DB-5MS 250 (um) |
| IC 660-136164/18 | | 04/04/2013 14:57 | 1 | 1DD04010.D | DB-5MS 250 (um) |
| ICIS 660-136164/19 | | 04/04/2013 15:19 | 1 | 1DD04011.D | DB-5MS 250 (um) |
| IC 660-136164/20 | | 04/04/2013 15:42 | 1 | 1DD04012.D | DB-5MS 250 (um) |
| IC 660-136164/21 | | 04/04/2013 16:04 | 1 | 1DD04013.D | DB-5MS 250 (um) |
| ICV 660-136164/22 | | 04/04/2013 16:27 | 1 | 1DD04014.D | DB-5MS 250 (um) |
| ZZZZZ | | 04/04/2013 16:52 | 1 | | DB-5MS 250 (um) |
| ZZZZZ | | 04/04/2013 17:18 | 1 | | DB-5MS 250 (um) |
| ZZZZZ | | 04/04/2013 17:44 | 1 | | DB-5MS 250 (um) |
| ZZZZZ | | 04/04/2013 18:09 | 1 | | DB-5MS 250 (um) |
| ZZZZZ | | 04/04/2013 18:35 | 1 | | DB-5MS 250 (um) |
| ZZZZZ | | 04/04/2013 19:01 | 1 | | DB-5MS 250 (um) |
| ZZZZZ | | 04/04/2013 19:27 | 1 | | DB-5MS 250 (um) |
| ZZZZZ | | 04/04/2013 19:51 | 1 | | DB-5MS 250 (um) |
| ZZZZZ | | 04/04/2013 20:13 | 1 | | DB-5MS 250 (um) |
| ZZZZZ | | 04/04/2013 20:36 | 1 | | DB-5MS 250 (um) |

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica TampaJob No.: 680-89516-1SDG No.: 68089516-1Instrument ID: BSMD5973Start Date: 04/24/2013 12:06Analysis Batch Number: 136826End Date: 04/25/2013 00:03

| LAB SAMPLE ID | CLIENT SAMPLE ID | DATE ANALYZED | DILUTION FACTOR | LAB FILE ID | COLUMN ID |
|----------------------|------------------|------------------|--------------------|-------------|-----------------|
| ZZZZZ | | 04/24/2013 12:06 | 1 | | DB-5MS 250 (um) |
| DFTPP 660-136826/2 | | 04/24/2013 12:30 | 1 | 1DD24002.D | DB-5MS 250 (um) |
| CCVIS 660-136826/3 | | 04/24/2013 12:46 | 1 | 1DD24003.D | DB-5MS 250 (um) |
| ZZZZZ | | 04/24/2013 13:10 | 1 | | DB-5MS 250 (um) |
| ZZZZZ | | 04/24/2013 13:33 | 1 | | DB-5MS 250 (um) |
| ZZZZZ | | 04/24/2013 13:55 | 1 | | DB-5MS 250 (um) |
| ZZZZZ | | 04/24/2013 14:18 | 1 | | DB-5MS 250 (um) |
| ZZZZZ | | 04/24/2013 14:40 | 1 | | DB-5MS 250 (um) |
| ZZZZZ | | 04/24/2013 15:03 | 1 | | DB-5MS 250 (um) |
| ZZZZZ | | 04/24/2013 15:25 | 1 | | DB-5MS 250 (um) |
| ZZZZZ | | 04/24/2013 15:48 | 1 | | DB-5MS 250 (um) |
| ZZZZZ | | 04/24/2013 16:10 | 1 | | DB-5MS 250 (um) |
| ZZZZZ | | 04/24/2013 16:33 | 1 | | DB-5MS 250 (um) |
| MB 660-136752/1-A | | 04/24/2013 16:55 | 1 | 1DD24014.D | DB-5MS 250 (um) |
| LCS 660-136752/2-A | | 04/24/2013 17:18 | 1 | 1DD24015.D | DB-5MS 250 (um) |
| ZZZZZ | | 04/24/2013 17:40 | 4 | | DB-5MS 250 (um) |
| ZZZZZ | | 04/24/2013 18:03 | 4 | | DB-5MS 250 (um) |
| ZZZZZ | | 04/24/2013 18:25 | 4 | | DB-5MS 250 (um) |
| ZZZZZ | | 04/24/2013 18:48 | 1 | | DB-5MS 250 (um) |
| 680-89459-A-22-B MS | | 04/24/2013 19:10 | 1 | 1DD24020.D | DB-5MS 250 (um) |
| 680-89459-A-22-C MSD | | 04/24/2013 19:33 | 1 | 1DD24021.D | DB-5MS 250 (um) |
| ZZZZZ | | 04/24/2013 19:55 | 4 | | DB-5MS 250 (um) |
| ZZZZZ | | 04/24/2013 20:18 | 4 | | DB-5MS 250 (um) |
| ZZZZZ | | 04/24/2013 20:40 | 4 | | DB-5MS 250 (um) |
| ZZZZZ | | 04/24/2013 21:03 | 4 | | DB-5MS 250 (um) |
| ZZZZZ | | 04/24/2013 21:26 | 1 | | DB-5MS 250 (um) |
| ZZZZZ | | 04/24/2013 21:48 | 4 | | DB-5MS 250 (um) |
| 680-89516-1 | CV0117A-CS | 04/24/2013 22:11 | 4 | 1DD24028.D | DB-5MS 250 (um) |
| 680-89516-3 | CV0689A-CS | 04/24/2013 22:33 | 1 | 1DD24029.D | DB-5MS 250 (um) |
| 680-89516-4 | CV0689B-CS | 04/24/2013 22:56 | 1 | 1DD24030.D | DB-5MS 250 (um) |
| 680-89516-5 | CV0689B-CSD | 04/24/2013 23:18 | 1 | 1DD24031.D | DB-5MS 250 (um) |
| 680-89516-6 | CV1102A-CS | 04/24/2013 23:41 | 1 | 1DD24032.D | DB-5MS 250 (um) |
| 680-89516-7 | CV1102B-CS | 04/25/2013 00:03 | 4 | 1DD24033.D | DB-5MS 250 (um) |

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica TampaJob No.: 680-89516-1SDG No.: 68089516-1Instrument ID: BSMD5973Start Date: 04/25/2013 11:13Analysis Batch Number: 136899End Date: 04/25/2013 23:41

| LAB SAMPLE ID | CLIENT SAMPLE ID | DATE ANALYZED | DILUTION FACTOR | LAB FILE ID | COLUMN ID |
|----------------------|------------------|------------------|--------------------|-------------|-----------------|
| ZZZZZ | | 04/25/2013 11:13 | 1 | | DB-5MS 250 (um) |
| ZZZZZ | | 04/25/2013 11:36 | 1 | | DB-5MS 250 (um) |
| DFTPP 660-136899/2 | | 04/25/2013 12:00 | 1 | 1DD25002.D | DB-5MS 250 (um) |
| CCVIS 660-136899/3 | | 04/25/2013 12:21 | 1 | 1DD25003.D | DB-5MS 250 (um) |
| ZZZZZ | | 04/25/2013 12:46 | 1 | | DB-5MS 250 (um) |
| MB 660-136774/1-A | | 04/25/2013 15:03 | 1 | 1DD25005.D | DB-5MS 250 (um) |
| LCS 660-136774/2-A | | 04/25/2013 15:26 | 1 | 1DD25006.D | DB-5MS 250 (um) |
| ZZZZZ | | 04/25/2013 15:48 | 4 | | DB-5MS 250 (um) |
| ZZZZZ | | 04/25/2013 16:11 | 4 | | DB-5MS 250 (um) |
| ZZZZZ | | 04/25/2013 16:33 | 4 | | DB-5MS 250 (um) |
| ZZZZZ | | 04/25/2013 16:56 | 4 | | DB-5MS 250 (um) |
| 680-89513-A-23-B MS | | 04/25/2013 17:18 | 4 | 1DD25011.D | DB-5MS 250 (um) |
| 680-89513-A-23-C MSD | | 04/25/2013 17:41 | 4 | 1DD25012.D | DB-5MS 250 (um) |
| 680-89516-12 | FM0296C-CS-SP | 04/25/2013 18:03 | 1 | 1DD25013.D | DB-5MS 250 (um) |
| 680-89516-13 | FM0296D-CS-SP | 04/25/2013 18:26 | 1 | 1DD25014.D | DB-5MS 250 (um) |
| 680-89516-14 | FM0296E-CS-SP | 04/25/2013 18:48 | 1 | 1DD25015.D | DB-5MS 250 (um) |
| 680-89516-15 | CV1115A-CS | 04/25/2013 19:11 | 1 | 1DD25016.D | DB-5MS 250 (um) |
| 680-89516-16 | CV1115A-CSD | 04/25/2013 19:33 | 1 | 1DD25017.D | DB-5MS 250 (um) |
| 680-89516-17 | CV1115B-CS | 04/25/2013 19:56 | 1 | 1DD25018.D | DB-5MS 250 (um) |
| 680-89516-18 | CV1178A-CS | 04/25/2013 20:18 | 1 | 1DD25019.D | DB-5MS 250 (um) |
| 680-89516-19 | CV1178B-CS | 04/25/2013 20:41 | 1 | 1DD25020.D | DB-5MS 250 (um) |
| 680-89516-20 | CV1264A-CS | 04/25/2013 21:03 | 1 | 1DD25021.D | DB-5MS 250 (um) |
| ZZZZZ | | 04/25/2013 21:25 | 1 | | DB-5MS 250 (um) |
| ZZZZZ | | 04/25/2013 21:48 | 1 | | DB-5MS 250 (um) |
| ZZZZZ | | 04/25/2013 22:11 | 1 | | DB-5MS 250 (um) |
| ZZZZZ | | 04/25/2013 22:33 | 1 | | DB-5MS 250 (um) |
| ZZZZZ | | 04/25/2013 22:55 | 4 | | DB-5MS 250 (um) |
| ZZZZZ | | 04/25/2013 23:18 | 1 | | DB-5MS 250 (um) |
| ZZZZZ | | 04/25/2013 23:41 | 4 | | DB-5MS 250 (um) |

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Tampa Job No.: 680-89516-1SDG No.: 68089516-1Batch Number: 136752 Batch Start Date: 04/23/13 14:49 Batch Analyst: Cerome, SaurelBatch Method: 3546 Batch End Date: 04/24/13 14:10

| Lab Sample ID | Client Sample ID | Method Chain | Basis | InitialAmount | FinalAmount | EX-625LVI SPK 00021 | EXLLSURINT 00179 | | |
|-----------------------|------------------|-------------------|-------|---------------|-------------|------------------------|---------------------|--|--|
| MB 660-136752/1 | | 3546, 8270C LL | | 15.31 g | 1 mL | | 1 mL | | |
| LCS 660-136752/2 | | 3546, 8270C LL | | 15.23 g | 1 mL | 1 mL | 1 mL | | |
| 680-89459-A-22 MS | | 3546, 8270C LL | T | 15.37 g | 1 mL | 1 mL | 1 mL | | |
| 680-89459-A-22 MSD | | 3546, 8270C LL | T | 15.37 g | 1 mL | 1 mL | 1 mL | | |
| 680-89516-A-1 | CV0117A-CS | 3546, 8270C LL | T | 15.01 g | 1 mL | | 1 mL | | |
| 680-89516-A-3 | CV0689A-CS | 3546, 8270C LL | T | 15.29 g | 1 mL | | 1 mL | | |
| 680-89516-A-4 | CV0689B-CS | 3546, 8270C LL | T | 15.31 g | 1 mL | | 1 mL | | |
| 680-89516-A-5 | CV0689B-CSD | 3546, 8270C LL | T | 14.98 g | 1 mL | | 1 mL | | |
| 680-89516-A-6 | CV1102A-CS | 3546, 8270C LL | T | 15.05 g | 1 mL | | 1 mL | | |
| 680-89516-A-7 | CV1102B-CS | 3546, 8270C LL | T | 15.06 g | 1 mL | | 1 mL | | |
| 680-89516-A-8 | HP0234A-CS-SP | 3546, 8270C LL | T | 15.00 g | 1 mL | | 1 mL | | |
| 680-89516-A-9 | HP0234B-CS-SP | 3546, 8270C LL | T | 14.93 g | 1 mL | | 1 mL | | |
| 680-89516-A-10 | FM0296A-CS-SP | 3546, 8270C LL | T | 15.24 g | 1 mL | | 1 mL | | |
| 680-89516-A-11 | FM0296B-CS-SP | 3546, 8270C LL | T | 15.46 g | 1 mL | | 1 mL | | |

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.

8270C LL

Page 1 of 2

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Tampa Job No.: 680-89516-1SDG No.: 68089516-1Batch Number: 136752 Batch Start Date: 04/23/13 14:49 Batch Analyst: Cerome, SaurelBatch Method: 3546 Batch End Date: 04/24/13 14:10

| Batch Notes | |
|---|-------------------|
| Acetone Lot # | EX-ACETON BOT 52 |
| Balance ID | B001 |
| Batch Comment | NONE |
| Person's name who did the concentration | RYAN |
| Exchange Solvent Lot # | EX-MC CYCL 56 |
| Exchange Solvent Name | DCM |
| Final Concentrator Volume | 1 mL |
| MeCL2 Lot # | EX-MC CYCL 56 |
| MeCl2/Acetone Lot # | DCM/ACETON 72 |
| Microwave Start Time | 16:30 4/23/13 |
| Microwave Stop Time | 17:05 4/23/13 |
| Na2SO4 Lot Number | EX-NA2S04A 66 |
| Ottawa Sand Lot # | GE-OTTOWA SAND 15 |
| Person's name who did the prep | SAUREL |
| SOP Number | TP-EX014 |
| Person who witnessed spiking | SELF |
| Surrogate Lot Number | EXLLSURINT 179 |
| Water Bath ID | TURBOVAP2 #1-4 |
| Water Bath Temperature | 40 |

| 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 SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Tampa Job No.: 680-89516-1SDG No.: 68089516-1Batch Number: 136774 Batch Start Date: 04/24/13 09:50 Batch Analyst: Cerome, SaurelBatch Method: 3546 Batch End Date: 04/25/13 10:30

| Lab Sample ID | Client Sample ID | Method Chain | Basis | InitialAmount | FinalAmount | EX-625LVI SPK 00021 | EXLLSURINT 00179 | | |
|-----------------------|------------------|-------------------|-------|---------------|-------------|------------------------|---------------------|--|--|
| MB 660-136774/1 | | 3546, 8270C LL | | 15.21 g | 1 mL | | 1 mL | | |
| LCS 660-136774/2 | | 3546, 8270C LL | | 15.07 g | 1 mL | 1 mL | 1 mL | | |
| 680-89513-A-23 MS | | 3546, 8270C LL | T | 15.10 g | 1 mL | 1 mL | 1 mL | | |
| 680-89513-A-23 MSD | | 3546, 8270C LL | T | 15.10 g | 1 mL | 1 mL | 1 mL | | |
| 680-89516-A-12 | FM0296C-CS-SP | 3546, 8270C LL | T | 15.00 g | 1 mL | | 1 mL | | |
| 680-89516-A-13 | FM0296D-CS-SP | 3546, 8270C LL | T | 15.12 g | 1 mL | | 1 mL | | |
| 680-89516-A-14 | FM0296E-CS-SP | 3546, 8270C LL | T | 15.19 g | 1 mL | | 1 mL | | |
| 680-89516-A-15 | CV1115A-CS | 3546, 8270C LL | T | 15.02 g | 1 mL | | 1 mL | | |
| 680-89516-A-16 | CV1115A-CSD | 3546, 8270C LL | T | 14.97 g | 1 mL | | 1 mL | | |
| 680-89516-A-17 | CV1115B-CS | 3546, 8270C LL | T | 15.47 g | 1 mL | | 1 mL | | |
| 680-89516-A-18 | CV1178A-CS | 3546, 8270C LL | T | 15.31 g | 1 mL | | 1 mL | | |
| 680-89516-A-19 | CV1178B-CS | 3546, 8270C LL | T | 15.16 g | 1 mL | | 1 mL | | |
| 680-89516-A-20 | CV1264A-CS | 3546, 8270C LL | T | 15.17 g | 1 mL | | 1 mL | | |

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.

8270C LL

Page 1 of 2

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Tampa Job No.: 680-89516-1SDG No.: 68089516-1Batch Number: 136774 Batch Start Date: 04/24/13 09:50 Batch Analyst: Cerome, SaurelBatch Method: 3546 Batch End Date: 04/25/13 10:30

| Batch Notes | |
|---|-------------------|
| Acetone Lot # | EX-ACETON BOT 52 |
| Balance ID | B001 |
| Batch Comment | NONE |
| Person's name who did the concentration | RYAN |
| Exchange Solvent Lot # | EX-MC CYCL 56 |
| Exchange Solvent Name | DCM |
| Final Concentrator Volume | 1 mL |
| MeCL2 Lot # | EX-M CYCL 56 |
| MeCl2/Acetone Lot # | DCM/ACETON 72/73 |
| Microwave Start Time | 11:00 4/24/13 |
| Microwave Stop Time | 11:35 4/24/13 |
| Na2SO4 Lot Number | EX-NA2S04A 66 |
| Ottawa Sand Lot # | GE-OTTOWA SAND 15 |
| Person's name who did the prep | SAUREL |
| SOP Number | TP-EX-014 |
| Person who witnessed spiking | AG |
| Surrogate Lot Number | EXLLSURINT 179 |
| Water Bath ID | TURBOVAP2 #1-4 |
| Water Bath Temperature | 40 |

| 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 SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Tampa Job No.: 680-89516-1SDG No.: 68089516-1Batch Number: 136818 Batch Start Date: 04/25/13 09:13 Batch Analyst: Cerome, SaurelBatch Method: 3546 Batch End Date: 04/25/13 15:40

| Lab Sample ID | Client Sample ID | Method Chain | Basis | InitialAmount | FinalAmount | EX-625LVI SPK 00021 | EXLLSURINT 00179 | | |
|----------------------|------------------|-------------------|-------|---------------|-------------|------------------------|---------------------|--|--|
| MB 660-136818/1 | | 3546, 8270C LL | | 15.26 g | 1 mL | | 1 mL | | |
| LCS 660-136818/2 | | 3546, 8270C LL | | 15.22 g | 1 mL | 1 mL | 1 mL | | |
| 680-89516-A-2 | CV0117B-CS | 3546, 8270C LL | T | 14.95 g | 1 mL | | 1 mL | | |
| 680-89516-A-2 MS | CV0117B-CS | 3546, 8270C LL | T | 14.95 g | 1 mL | 1 mL | 1 mL | | |
| 680-89516-A-2 MSD | CV0117B-CS | 3546, 8270C LL | T | 14.95 g | 1 mL | 1 mL | 1 mL | | |

| Batch Notes | |
|---|------------------|
| Acetone Lot # | EX-ACETON BOT 52 |
| Balance ID | B001 |
| Batch Comment | RUSH |
| Person's name who did the concentration | RYAN |
| Exchange Solvent Lot # | EX-MC CYCL 56 |
| Exchange Solvent Name | DCM |
| Final Concentrator Volume | 1 mL |
| MeCl2 Lot # | EX-MC CYCL 56 |
| MeCl2/Acetone Lot # | DCM/ACETON 72/73 |
| Microwave Start Time | 11:25 4/25/13 |
| Microwave Stop Time | 12:00 4/25/13 |
| Na2SO4 Lot Number | EX-NA2S04A 66 |
| Ottawa Sand Lot # | GE-O SAND 15 |
| Person's name who did the prep | AG |
| SOP Number | TP-EX-014 |
| Person who witnessed spiking | SC |
| Surrogate Lot Number | EXLLSURINT 179 |
| Water Bath ID | TURBOVAP2 #1-2 |
| Water Bath Temperature | 40 |

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: TestAmerica Tampa Job No.: 680-89516-1

SDG No.: 68089516-1

Batch Number: 136818 Batch Start Date: 04/25/13 09:13 Batch Analyst: Cerome, Saurel

Batch Method: 3546 Batch End Date: 04/25/13 15:40

| 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.

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Tampa Job Number: 680-89516-1

SDG No.: 68089516-1

Project: 35th Avenue Superfund Site

| Client Sample ID | Lab Sample ID |
|------------------|---------------|
| CV0117A-CS | 680-89516-1 |
| CV0117B-CS | 680-89516-2 |
| CV0689A-CS | 680-89516-3 |
| CV0689B-CS | 680-89516-4 |
| CV0689B-CSD | 680-89516-5 |
| CV1102A-CS | 680-89516-6 |
| CV1102B-CS | 680-89516-7 |
| HP0234A-CS-SP | 680-89516-8 |
| HP0234B-CS-SP | 680-89516-9 |
| FM0296A-CS-SP | 680-89516-10 |
| FM0296B-CS-SP | 680-89516-11 |
| FM0296C-CS-SP | 680-89516-12 |
| FM0296D-CS-SP | 680-89516-13 |
| FM0296E-CS-SP | 680-89516-14 |
| CV1115A-CS | 680-89516-15 |
| CV1115A-CSD | 680-89516-16 |
| CV1115B-CS | 680-89516-17 |
| CV1178A-CS | 680-89516-18 |
| CV1178B-CS | 680-89516-19 |
| CV1264A-CS | 680-89516-20 |

Comments:

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Tampa Job Number: 680-89516-1
SDG Number: 68089516-1
Matrix: Solid Instrument ID: NOEQUIP
Method: Moisture RL Date: 01/01/2004 18:10

| Analyte | Wavelength/ Mass | RL (%) | |
|------------------|---------------------|-----------|--|
| Percent Moisture | | 0.1 | |

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Tampa Job Number: 680-89516-1
SDG Number: 68089516-1
Matrix: Solid Instrument ID: NOEQUIP
Method: Moisture XRL Date: 04/12/2010 08:14

| Analyte | Wavelength/ Mass | XRL (%) | |
|------------------|---------------------|------------|--|
| Percent Moisture | | 0.1 | |

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Tampa Job No.: 680-89516-1

SDG No.: 68089516-1

Instrument ID: NOEQUIP Method: Moisture

Start Date: 04/22/2013 12:37 End Date: 04/22/2013 12:37

| Lab Sample ID | D / F | T y p e | Time | Analytes | | | | | | | | | | | | | | | |
|---------------|-------|---------|-------|-----------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| | | | | M o i s t | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 12:37 | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 12:37 | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 12:37 | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 12:37 | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 12:37 | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 12:37 | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 12:37 | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 12:37 | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 12:37 | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 12:37 | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 12:37 | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 12:37 | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 12:37 | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 12:37 | | | | | | | | | | | | | | | | |

Prep Types
T = Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Tampa Job No.: 680-89516-1

SDG No.: 68089516-1

Batch Number: 136686 Batch Start Date: 04/22/13 12:37 Batch Analyst: Galio, Andrew

Batch Method: Moisture Batch End Date: _____

| Lab Sample ID | Client Sample ID | Method Chain | Basis | DISH# | DishWeight | SampleMassWet | SampleMassDry | | |
|-----------------------|------------------|--------------|-------|-------|------------|---------------|---------------|--|--|
| 680-89516-A-6 | CV1102A-CS | Moisture | T | 1 | 0 g | 4.31 g | 3.34 g | | |
| 680-89516-A-1 | CV0117A-CS | Moisture | T | 2 | 0 g | 5.98 g | 4.57 g | | |
| 680-89516-A-14 | FM0296E-CS-SP | Moisture | T | 5 | 0 g | 5.23 g | 4.42 g | | |
| 680-89516-A-8 | HP0234A-CS-SP | Moisture | T | 6 | 0 g | 4.89 g | 3.82 g | | |
| 680-89516-A-3 | CV0689A-CS | Moisture | T | 7 | 0 g | 5.26 g | 3.85 g | | |
| 680-89516-A-5 | CV0689B-CSD | Moisture | T | 8 | 0 g | 4.97 g | 3.87 g | | |
| 680-89516-A-20 | CV1264A-CS | Moisture | T | 9 | 0 g | 4.53 g | 3.57 g | | |
| 680-89516-A-12 | FM0296C-CS-SP | Moisture | T | 11 | 0 g | 4.59 g | 3.37 g | | |
| 680-89516-A-19 | CV1178B-CS | Moisture | T | 12 | 0 g | 4.83 g | 3.61 g | | |
| 680-89516-A-13 | FM0296D-CS-SP | Moisture | T | 13 | 0 g | 4.86 g | 3.68 g | | |
| 680-89516-A-7 | CV1102B-CS | Moisture | T | 14 | 0 g | 4.66 g | 3.69 g | | |
| 680-89516-A-4 | CV0689B-CS | Moisture | T | 15 | 0 g | 4.75 g | 3.65 g | | |
| 680-89516-A-11 | FM0296B-CS-SP | Moisture | T | 16 | 0 g | 4.64 g | 3.44 g | | |
| 680-89516-A-9 | HP0234B-CS-SP | Moisture | T | 17 | 0 g | 4.30 g | 3.19 g | | |
| 680-89516-A-16 | CV1115A-CSD | Moisture | T | 19 | 0 g | 4.46 g | 3.55 g | | |
| 680-89516-A-15 | CV1115A-CS | Moisture | T | 20 | 0 g | 4.41 g | 3.48 g | | |
| 680-89516-A-10 | FM0296A-CS-SP | Moisture | T | 22 | 0 g | 5.18 g | 3.72 g | | |
| 680-89516-A-17 | CV1115B-CS | Moisture | T | 24 | 0 g | 5.05 g | 3.41 g | | |
| 680-89516-A-18 | CV1178A-CS | Moisture | T | 27 | 0 g | 4.35 g | 3.75 g | | |
| MS 680-89516-A-2 | CV0117B-CS | Moisture | T | 28 | 0 g | 4.71 g | 3.39 g | | |
| MSD 680-89516-A-2 | CV0117B-CS | Moisture | T | 28 | 0 g | 4.71 g | 3.39 g | | |
| MS 680-89516-A-21 | | Moisture | T | 29 | 0 g | 4.54 g | 3.64 g | | |
| MSD 680-89516-A-21 | | Moisture | T | 29 | 0 g | 4.54 g | 3.64 g | | |

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.

Moisture

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Tampa Job No.: 680-89516-1

SDG No.: 68089516-1

Batch Number: 136686 Batch Start Date: 04/22/13 12:37 Batch Analyst: Galio, Andrew

Batch Method: Moisture Batch End Date: _____

| Batch Notes | |
|--------------------------------------|-----------|
| Balance ID | 2 No Unit |
| Date samples were placed in the oven | 4.22.13 |
| Date samples were removed from oven | 4.23.13 |

| 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.

Moisture

Shipping and Receiving Documents

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Website: www.testamericainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

Alternate Laboratory Name/Location

Phone: **680-89516**
Fax:

PROJECT REFERENCE: 35th Ave. Removal PROJECT NO.: 2005148-1356 PROJECT LOCATION (STATE): AL MATRIX TYPE: _____ REQUIRED ANALYSIS: _____ PAGE 1 OF 3


(b) (6)

COMPANY CONTRACTING THIS WORK (if applicable): _____

STANDARD REPORT DELIVERY: DATE DUE: _____
EXPEDITED REPORT DELIVERY (SURCHARGE): DATE DUE: _____
NUMBER OF COOLERS SUBMITTED PER SHIPMENT: _____

| Page | SAMPLE | | SAMPLE IDENTIFICATION | COMPOSITE (C) OR GRAB (G) INDICATE | AQUEOUS (WATER) | SOLID OR SEMISOLID | AIR | NONAQUEOUS LIQUID (OIL, SOLVENT, ...) | NUMBER OF CONTAINER | | | | REMARKS |
|------|--------|------|-----------------------|------------------------------------|-----------------|--------------------|-----|---------------------------------------|---------------------|---|---|---|---------|
| | DATE | TIME | | | | | | | 1 | 2 | 3 | 4 | |
| 1 | 17-13 | 1020 | CV0117A-CS | C | X | | | X | | | | | |
| 729 | | 1030 | CV0117B-CS | C | X | | | X | X | | | | |
| of | | 0830 | CV0689A-CS | C | X | | | X | | | | | |
| 732 | | 0840 | CV0689B-CS | C | X | | | X | | | | | |
| | | 0840 | CV0689B-CSD | C | X | | | X | | | | | |
| | | 0910 | CV1102A-CS | C | X | | | X | | | | | |
| | | 0920 | CV1102B-CS | C | X | | | X | | | | | |
| | | 1120 | HP0234A-CS-SP | C | X | | | X | | | | | |
| | | 1130 | HP0234B-CS-SP | C | X | | | X | | | | | |
| | | 0925 | FM0296A-CS-SP | C | X | | | X | | | | | |
| | | 0940 | FM0296B-CS-SP | C | X | | | X | | | | | |
| | | 0955 | FM0296C-CS-SP | C | X | | | X | | | | | |

680-89516 Login
PM: Harvey, Lisa
Company: Oneida Total Integrated Enterprises



Loc: 680
89516

| | | | | | | | | |
|--|-----------------|--------------|--|-----------------|--------------|------------------------------|------|------|
| RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i> | DATE 4-18-13 | TIME 1130 | RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i> | DATE 4/19/13 | TIME 1730 | RELINQUISHED BY: (SIGNATURE) | DATE | TIME |
| RECEIVED BY: (SIGNATURE) <i>[Signature]</i> | DATE 4/19/13 | TIME 0850 | RECEIVED BY: (SIGNATURE) | DATE | TIME | RECEIVED BY: (SIGNATURE) | DATE | TIME |

LABORATORY USE ONLY

| | | | | | | |
|---|------|------|---|------------------|------------------|---|
| RECEIVED FOR LABORATORY BY: (SIGNATURE) | DATE | TIME | CUSTODY INTACT YES <input type="radio"/> NO <input type="radio"/> | CUSTODY SEAL NO. | SAVANNAH LOG NO. | LABORATORY REMARKS <i>D.60 CU-07</i> |
|---|------|------|---|------------------|------------------|---|

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Website: www.testamericainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

Alternate Laboratory Name/Location
Test Am Tampa

Phone: 680-89516
Fax:

PROJECT REFERENCE: 35th Ave Removal; PROJECT NO.: 2005148-1356; PROJECT LOCATION (STATE): AL; MATRIX TYPE: ...; REQUIRED ANALYSIS: ...; PAGE 2 OF 3

(b) (6)

COMPANY CONTRACTING THIS WORK (if applicable)

Table with columns: SAMPLE (DATE, TIME), SAMPLE IDENTIFICATION, MATRIX TYPE (Composite, Aqueous, Solid, Air, Nonaqueous), NUMBER OF CONTAINERS SUBMITTED, REMARKS. Includes handwritten entries for samples like FM0296D-CS-SP and CV1115A-CS.

Table for Chain of Custody: RELINQUISHED BY (SIGNATURE, DATE, TIME) and RECEIVED BY (SIGNATURE, DATE, TIME). Includes handwritten signatures and dates like 4-18-13 1130.

LABORATORY USE ONLY: RECEIVED FOR LABORATORY BY (SIGNATURE, DATE, TIME), CUSTODY INTACT (YES/NO), SAVANNAH LOG NO., LABORATORY REMARKS.

Login Sample Receipt Checklist

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-89516-1

SDG Number: 68089516-1

Login Number: 89516
List Number: 1
Creator: Daughtry, Beth

List Source: TestAmerica Savannah

| Question | Answer | Comment |
|--|--------|---------|
| Radioactivity wasn't checked or is <= background as measured by a survey meter. | N/A | |
| The cooler's custody seal, if present, is intact. | True | |
| Sample custody seals, if present, are intact. | True | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | N/A | |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time. | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | N/A | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | N/A | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | |

Login Sample Receipt Checklist

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-89516-1

SDG Number: 68089516-1

Login Number: 89516
List Number: 1
Creator: Snead, Joshua

List Source: TestAmerica Tampa
List Creation: 04/19/13 02:29 PM

| Question | Answer | Comment |
|--|--------|---------|
| Radioactivity wasn't checked or is <=/ background as measured by a survey meter. | N/A | |
| The cooler's custody seal, if present, is intact. | True | |
| Sample custody seals, if present, are intact. | True | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | True | |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time. | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | N/A | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | N/A | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | |

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Savannah

5102 LaRoche Avenue

Savannah, GA 31404

Tel: (912)354-7858

TestAmerica Job ID: 680-89516-1

TestAmerica Sample Delivery Group: 68089516-1

Client Project/Site: 35th Avenue Superfund Site

For:

Oneida Total Integrated Enterprises LLC

1220 Kennestone Circle

Suite 106

Marietta, Georgia 30060

Attn: Ms. Limari F Krebs



Authorized for release by:

4/30/2013 3:23:29 PM

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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Results relate only to the items tested and the sample(s) as received by the laboratory.



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Case Narrative

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89516-1
SDG: 68089516-1

Job ID: 680-89516-1

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: Oneida Total Integrated Enterprises LLC

Project: 35th Avenue Superfund Site

Report Number: 680-89516-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

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 04/19/2013; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 0.6 C.

SEMIVOLATILE ORGANIC COMPOUNDS BY GCMS - LOW LEVEL

Samples CV0117A-CS (680-89516-1), CV0117B-CS (680-89516-2), CV0689A-CS (680-89516-3), CV0689B-CS (680-89516-4), CV0689B-CSD (680-89516-5), CV1102A-CS (680-89516-6), CV1102B-CS (680-89516-7), HP0234A-CS-SP (680-89516-8), HP0234B-CS-SP (680-89516-9), FM0296A-CS-SP (680-89516-10), FM0296B-CS-SP (680-89516-11), FM0296C-CS-SP (680-89516-12), FM0296D-CS-SP (680-89516-13), FM0296E-CS-SP (680-89516-14), CV1115A-CS (680-89516-15), CV1115A-CSD (680-89516-16), CV1115B-CS (680-89516-17), CV1178A-CS (680-89516-18), CV1178B-CS (680-89516-19) and CV1264A-CS (680-89516-20) were analyzed for Semivolatile Organic Compounds by GCMS - Low Level in accordance with EPA SW-846 Method 8270C. The samples were prepared on 04/23/2013, 04/24/2013 and 04/25/2013 and analyzed on 04/24/2013, 04/25/2013 and 04/26/2013.

Samples CV0117A-CS (680-89516-1)[4X], CV1102B-CS (680-89516-7)[4X] and HP0234A-CS-SP (680-89516-8)[4X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Several analytes recovered outside the recovery criteria for the MS of sample 680-89513-23 in batch 660-136899.

Naphthalene recovered outside the recovery criteria for the MSD of sample CV0117B-CS (680-89516-2) in batch 660-136892. Several analytes exceeded the rpd limit.

No other difficulties were encountered during the SVOAs analyses.

All other quality control parameters were within the acceptance limits.

Sample Summary

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89516-1
SDG: 68089516-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---------------|------------------|--------|----------------|----------------|
| 680-89516-1 | CV0117A-CS | Solid | 04/17/13 10:20 | 04/19/13 08:50 |
| 680-89516-2 | CV0117B-CS | Solid | 04/17/13 10:30 | 04/19/13 08:50 |
| 680-89516-3 | CV0689A-CS | Solid | 04/17/13 08:30 | 04/19/13 08:50 |
| 680-89516-4 | CV0689B-CS | Solid | 04/17/13 08:40 | 04/19/13 08:50 |
| 680-89516-5 | CV0689B-CSD | Solid | 04/17/13 08:40 | 04/19/13 08:50 |
| 680-89516-6 | CV1102A-CS | Solid | 04/17/13 09:10 | 04/19/13 08:50 |
| 680-89516-7 | CV1102B-CS | Solid | 04/17/13 09:20 | 04/19/13 08:50 |
| 680-89516-8 | HP0234A-CS-SP | Solid | 04/17/13 11:20 | 04/19/13 08:50 |
| 680-89516-9 | HP0234B-CS-SP | Solid | 04/17/13 11:30 | 04/19/13 08:50 |
| 680-89516-10 | FM0296A-CS-SP | Solid | 04/17/13 09:25 | 04/19/13 08:50 |
| 680-89516-11 | FM0296B-CS-SP | Solid | 04/17/13 09:40 | 04/19/13 08:50 |
| 680-89516-12 | FM0296C-CS-SP | Solid | 04/17/13 09:55 | 04/19/13 08:50 |
| 680-89516-13 | FM0296D-CS-SP | Solid | 04/17/13 10:10 | 04/19/13 08:50 |
| 680-89516-14 | FM0296E-CS-SP | Solid | 04/17/13 10:35 | 04/19/13 08:50 |
| 680-89516-15 | CV1115A-CS | Solid | 04/17/13 12:45 | 04/19/13 08:50 |
| 680-89516-16 | CV1115A-CSD | Solid | 04/17/13 12:45 | 04/19/13 08:50 |
| 680-89516-17 | CV1115B-CS | Solid | 04/17/13 12:55 | 04/19/13 08:50 |
| 680-89516-18 | CV1178A-CS | Solid | 04/17/13 13:30 | 04/19/13 08:50 |
| 680-89516-19 | CV1178B-CS | Solid | 04/17/13 13:40 | 04/19/13 08:50 |
| 680-89516-20 | CV1264A-CS | Solid | 04/17/13 14:50 | 04/19/13 08:50 |

Method Summary

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89516-1
SDG: 68089516-1

| Method | Method Description | Protocol | Laboratory |
|----------|---|----------|------------|
| 8270C LL | Semivolatile Organic Compounds by GCMS - Low Levels | SW846 | TAL TAM |
| Moisture | Percent Moisture | EPA | TAL TAM |

Protocol References:

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 TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

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Definitions/Glossary

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89516-1
SDG: 68089516-1

Qualifiers

GC/MS Semi VOA

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

Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|----------------|---|
| α | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CNF | Contains no Free Liquid |
| DER | Duplicate error ratio (normalized absolute difference) |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision level concentration |
| MDA | Minimum detectable activity |
| EDL | Estimated Detection Limit |
| MDC | Minimum detectable concentration |
| MDL | Method Detection Limit |
| ML | Minimum Level (Dioxin) |
| ND | Not detected at the reporting limit (or MDL or EDL if shown) |
| PQL | Practical Quantitation Limit |
| QC | Quality Control |
| RER | Relative error ratio |
| 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) |

Client Sample Results

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89516-1
 SDG: 68089516-1

Client Sample ID: CV0117A-CS

Lab Sample ID: 680-89516-1

Date Collected: 04/17/13 10:20

Matrix: Solid

Date Received: 04/19/13 08:50

Percent Solids: 76.4

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|------------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Acenaphthene | 520 | U | 520 | 100 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:11 | 4 |
| Acenaphthylene | 59 | J | 210 | 26 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:11 | 4 |
| Anthracene | 93 | | 44 | 22 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:11 | 4 |
| Benzo[a]anthracene | 330 | | 42 | 20 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:11 | 4 |
| Benzo[a]pyrene | 280 | | 54 | 27 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:11 | 4 |
| Benzo[b]fluoranthene | 580 | | 64 | 32 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:11 | 4 |
| Benzo[g,h,i]perylene | 150 | | 100 | 23 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:11 | 4 |
| Benzo[k]fluoranthene | 170 | | 42 | 19 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:11 | 4 |
| Chrysene | 480 | | 47 | 24 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:11 | 4 |
| Dibenz(a,h)anthracene | 60 | J | 100 | 21 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:11 | 4 |
| Fluoranthene | 640 | | 100 | 21 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:11 | 4 |
| Fluorene | 33 | J | 100 | 21 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:11 | 4 |
| Indeno[1,2,3-cd]pyrene | 140 | | 100 | 37 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:11 | 4 |
| 1-Methylnaphthalene | 430 | | 210 | 23 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:11 | 4 |
| 2-Methylnaphthalene | 490 | | 210 | 37 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:11 | 4 |
| Naphthalene | 220 | | 210 | 23 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:11 | 4 |
| Phenanthrene | 690 | | 42 | 20 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:11 | 4 |
| Pyrene | 480 | | 100 | 19 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:11 | 4 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---------------------|-----------|-----------|----------|----------------|----------------|---------|
| <i>o</i> -Terphenyl | 66 | | 30 - 130 | 04/23/13 14:49 | 04/24/13 22:11 | 4 |

Client Sample ID: CV0117B-CS

Lab Sample ID: 680-89516-2

Date Collected: 04/17/13 10:30

Matrix: Solid

Date Received: 04/19/13 08:50

Percent Solids: 72.0

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|------------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Acenaphthene | 140 | U | 140 | 28 | ug/Kg | ☼ | 04/25/13 09:13 | 04/26/13 18:49 | 1 |
| Acenaphthylene | 36 | J | 56 | 7.0 | ug/Kg | ☼ | 04/25/13 09:13 | 04/26/13 18:49 | 1 |
| Anthracene | 64 | | 12 | 5.9 | ug/Kg | ☼ | 04/25/13 09:13 | 04/26/13 18:49 | 1 |
| Benzo[a]anthracene | 170 | | 11 | 5.4 | ug/Kg | ☼ | 04/25/13 09:13 | 04/26/13 18:49 | 1 |
| Benzo[a]pyrene | 160 | | 14 | 7.2 | ug/Kg | ☼ | 04/25/13 09:13 | 04/26/13 18:49 | 1 |
| Benzo[b]fluoranthene | 310 | | 17 | 8.5 | ug/Kg | ☼ | 04/25/13 09:13 | 04/26/13 18:49 | 1 |
| Benzo[g,h,i]perylene | 130 | | 28 | 6.1 | ug/Kg | ☼ | 04/25/13 09:13 | 04/26/13 18:49 | 1 |
| Benzo[k]fluoranthene | 71 | | 11 | 5.0 | ug/Kg | ☼ | 04/25/13 09:13 | 04/26/13 18:49 | 1 |
| Chrysene | 280 | | 13 | 6.3 | ug/Kg | ☼ | 04/25/13 09:13 | 04/26/13 18:49 | 1 |
| Dibenz(a,h)anthracene | 51 | | 28 | 5.7 | ug/Kg | ☼ | 04/25/13 09:13 | 04/26/13 18:49 | 1 |
| Fluoranthene | 230 | | 28 | 5.6 | ug/Kg | ☼ | 04/25/13 09:13 | 04/26/13 18:49 | 1 |
| Fluorene | 28 | | 28 | 5.7 | ug/Kg | ☼ | 04/25/13 09:13 | 04/26/13 18:49 | 1 |
| Indeno[1,2,3-cd]pyrene | 120 | | 28 | 9.9 | ug/Kg | ☼ | 04/25/13 09:13 | 04/26/13 18:49 | 1 |
| 1-Methylnaphthalene | 270 | F | 56 | 6.1 | ug/Kg | ☼ | 04/25/13 09:13 | 04/26/13 18:49 | 1 |
| 2-Methylnaphthalene | 290 | F | 56 | 9.9 | ug/Kg | ☼ | 04/25/13 09:13 | 04/26/13 18:49 | 1 |
| Naphthalene | 170 | F | 56 | 6.1 | ug/Kg | ☼ | 04/25/13 09:13 | 04/26/13 18:49 | 1 |
| Phenanthrene | 340 | F | 11 | 5.4 | ug/Kg | ☼ | 04/25/13 09:13 | 04/26/13 18:49 | 1 |
| Pyrene | 200 | | 28 | 5.2 | ug/Kg | ☼ | 04/25/13 09:13 | 04/26/13 18:49 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---------------------|-----------|-----------|----------|----------------|----------------|---------|
| <i>o</i> -Terphenyl | 65 | | 30 - 130 | 04/25/13 09:13 | 04/26/13 18:49 | 1 |

TestAmerica Savannah

Client Sample Results

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89516-1
 SDG: 68089516-1

Client Sample ID: CV0689A-CS

Lab Sample ID: 680-89516-3

Date Collected: 04/17/13 08:30

Matrix: Solid

Date Received: 04/19/13 08:50

Percent Solids: 73.2

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|------------------|------------------|---------------|-----|-------|---|-----------------|-----------------|----------------|
| Acenaphthene | 130 | U | 130 | 27 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:33 | 1 |
| Acenaphthylene | 65 | | 54 | 6.7 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:33 | 1 |
| Anthracene | 97 | | 11 | 5.6 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:33 | 1 |
| Benzo[a]anthracene | 380 | | 11 | 5.2 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:33 | 1 |
| Benzo[a]pyrene | 370 | | 14 | 7.0 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:33 | 1 |
| Benzo[b]fluoranthene | 700 | | 16 | 8.2 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:33 | 1 |
| Benzo[g,h,i]perylene | 170 | | 27 | 5.9 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:33 | 1 |
| Benzo[k]fluoranthene | 240 | | 11 | 4.8 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:33 | 1 |
| Chrysene | 440 | | 12 | 6.0 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:33 | 1 |
| Dibenz(a,h)anthracene | 65 | | 27 | 5.5 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:33 | 1 |
| Fluoranthene | 670 | | 27 | 5.4 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:33 | 1 |
| Fluorene | 19 | J | 27 | 5.5 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:33 | 1 |
| Indeno[1,2,3-cd]pyrene | 160 | | 27 | 9.5 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:33 | 1 |
| 1-Methylnaphthalene | 140 | | 54 | 5.9 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:33 | 1 |
| 2-Methylnaphthalene | 170 | | 54 | 9.5 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:33 | 1 |
| Naphthalene | 140 | | 54 | 5.9 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:33 | 1 |
| Phenanthrene | 330 | | 11 | 5.2 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:33 | 1 |
| Pyrene | 470 | | 27 | 5.0 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:33 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| <i>o</i> -Terphenyl | 76 | | 30 - 130 | | | | 04/23/13 14:49 | 04/24/13 22:33 | 1 |

Client Sample ID: CV0689B-CS

Lab Sample ID: 680-89516-4

Date Collected: 04/17/13 08:40

Matrix: Solid

Date Received: 04/19/13 08:50

Percent Solids: 76.8

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|------------------|------------------|---------------|-----|-------|---|-----------------|-----------------|----------------|
| Acenaphthene | 130 | U | 130 | 26 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:56 | 1 |
| Acenaphthylene | 14 | J | 51 | 6.4 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:56 | 1 |
| Anthracene | 28 | | 11 | 5.4 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:56 | 1 |
| Benzo[a]anthracene | 110 | | 10 | 5.0 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:56 | 1 |
| Benzo[a]pyrene | 120 | | 13 | 6.6 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:56 | 1 |
| Benzo[b]fluoranthene | 240 | | 16 | 7.8 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:56 | 1 |
| Benzo[g,h,i]perylene | 64 | | 26 | 5.6 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:56 | 1 |
| Benzo[k]fluoranthene | 64 | | 10 | 4.6 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:56 | 1 |
| Chrysene | 160 | | 11 | 5.7 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:56 | 1 |
| Dibenz(a,h)anthracene | 24 | J | 26 | 5.2 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:56 | 1 |
| Fluoranthene | 170 | | 26 | 5.1 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:56 | 1 |
| Fluorene | 9.5 | J | 26 | 5.2 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:56 | 1 |
| Indeno[1,2,3-cd]pyrene | 58 | | 26 | 9.1 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:56 | 1 |
| 1-Methylnaphthalene | 120 | | 51 | 5.6 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:56 | 1 |
| 2-Methylnaphthalene | 160 | | 51 | 9.1 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:56 | 1 |
| Naphthalene | 120 | | 51 | 5.6 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:56 | 1 |
| Phenanthrene | 150 | | 10 | 5.0 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:56 | 1 |
| Pyrene | 120 | | 26 | 4.7 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 22:56 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| <i>o</i> -Terphenyl | 81 | | 30 - 130 | | | | 04/23/13 14:49 | 04/24/13 22:56 | 1 |

TestAmerica Savannah

Client Sample Results

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89516-1
 SDG: 68089516-1

Client Sample ID: CV0689B-CSD

Lab Sample ID: 680-89516-5

Date Collected: 04/17/13 08:40

Matrix: Solid

Date Received: 04/19/13 08:50

Percent Solids: 77.9

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|------------------|------------------|---------------|-----|-------|---|-----------------|-----------------|----------------|
| Acenaphthene | 130 | U | 130 | 26 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:18 | 1 |
| Acenaphthylene | 11 | J | 51 | 6.4 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:18 | 1 |
| Anthracene | 18 | | 11 | 5.4 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:18 | 1 |
| Benzo[a]anthracene | 100 | | 10 | 5.0 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:18 | 1 |
| Benzo[a]pyrene | 100 | | 13 | 6.7 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:18 | 1 |
| Benzo[b]fluoranthene | 180 | | 16 | 7.8 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:18 | 1 |
| Benzo[g,h,i]perylene | 49 | | 26 | 5.7 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:18 | 1 |
| Benzo[k]fluoranthene | 68 | | 10 | 4.6 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:18 | 1 |
| Chrysene | 130 | | 12 | 5.8 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:18 | 1 |
| Dibenz(a,h)anthracene | 20 | J | 26 | 5.3 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:18 | 1 |
| Fluoranthene | 150 | | 26 | 5.1 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:18 | 1 |
| Fluorene | 7.2 | J | 26 | 5.3 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:18 | 1 |
| Indeno[1,2,3-cd]pyrene | 50 | | 26 | 9.1 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:18 | 1 |
| 1-Methylnaphthalene | 61 | | 51 | 5.7 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:18 | 1 |
| 2-Methylnaphthalene | 70 | | 51 | 9.1 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:18 | 1 |
| Naphthalene | 70 | | 51 | 5.7 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:18 | 1 |
| Phenanthrene | 110 | | 10 | 5.0 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:18 | 1 |
| Pyrene | 110 | | 26 | 4.8 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:18 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| <i>o</i> -Terphenyl | 79 | | 30 - 130 | | | | 04/23/13 14:49 | 04/24/13 23:18 | 1 |

Client Sample ID: CV1102A-CS

Lab Sample ID: 680-89516-6

Date Collected: 04/17/13 09:10

Matrix: Solid

Date Received: 04/19/13 08:50

Percent Solids: 77.5

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|------------------|------------------|---------------|-----|-------|---|-----------------|-----------------|----------------|
| Acenaphthene | 31 | J | 130 | 26 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:41 | 1 |
| Acenaphthylene | 19 | J | 51 | 6.4 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:41 | 1 |
| Anthracene | 54 | | 11 | 5.4 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:41 | 1 |
| Benzo[a]anthracene | 220 | | 10 | 5.0 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:41 | 1 |
| Benzo[a]pyrene | 230 | | 13 | 6.7 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:41 | 1 |
| Benzo[b]fluoranthene | 450 | | 16 | 7.8 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:41 | 1 |
| Benzo[g,h,i]perylene | 110 | | 26 | 5.7 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:41 | 1 |
| Benzo[k]fluoranthene | 130 | | 10 | 4.6 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:41 | 1 |
| Chrysene | 300 | | 12 | 5.8 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:41 | 1 |
| Dibenz(a,h)anthracene | 38 | | 26 | 5.3 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:41 | 1 |
| Fluoranthene | 390 | | 26 | 5.1 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:41 | 1 |
| Fluorene | 21 | J | 26 | 5.3 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:41 | 1 |
| Indeno[1,2,3-cd]pyrene | 100 | | 26 | 9.1 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:41 | 1 |
| 1-Methylnaphthalene | 130 | | 51 | 5.7 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:41 | 1 |
| 2-Methylnaphthalene | 180 | | 51 | 9.1 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:41 | 1 |
| Naphthalene | 130 | | 51 | 5.7 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:41 | 1 |
| Phenanthrene | 320 | | 10 | 5.0 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:41 | 1 |
| Pyrene | 280 | | 26 | 4.8 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:41 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| <i>o</i> -Terphenyl | 63 | | 30 - 130 | | | | 04/23/13 14:49 | 04/24/13 23:41 | 1 |

TestAmerica Savannah

Client Sample Results

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89516-1
 SDG: 68089516-1

Client Sample ID: CV1102B-CS

Lab Sample ID: 680-89516-7

Date Collected: 04/17/13 09:20

Matrix: Solid

Date Received: 04/19/13 08:50

Percent Solids: 79.2

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|------------------|------------------|---------------|-----|-------|---|-----------------|-----------------|----------------|
| Acenaphthene | 500 | U | 500 | 100 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:03 | 4 |
| Acenaphthylene | 31 | J | 200 | 25 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:03 | 4 |
| Anthracene | 45 | | 42 | 21 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:03 | 4 |
| Benzo[a]anthracene | 190 | | 40 | 20 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:03 | 4 |
| Benzo[a]pyrene | 200 | | 52 | 26 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:03 | 4 |
| Benzo[b]fluoranthene | 370 | | 61 | 31 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:03 | 4 |
| Benzo[g,h,i]perylene | 100 | | 100 | 22 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:03 | 4 |
| Benzo[k]fluoranthene | 130 | | 40 | 18 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:03 | 4 |
| Chrysene | 350 | | 45 | 23 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:03 | 4 |
| Dibenz(a,h)anthracene | 44 | J | 100 | 21 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:03 | 4 |
| Fluoranthene | 280 | | 100 | 20 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:03 | 4 |
| Fluorene | 100 | U | 100 | 21 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:03 | 4 |
| Indeno[1,2,3-cd]pyrene | 82 | J | 100 | 36 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:03 | 4 |
| 1-Methylnaphthalene | 190 | J | 200 | 22 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:03 | 4 |
| 2-Methylnaphthalene | 280 | | 200 | 36 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:03 | 4 |
| Naphthalene | 200 | | 200 | 22 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:03 | 4 |
| Phenanthrene | 320 | | 40 | 20 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:03 | 4 |
| Pyrene | 220 | | 100 | 19 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:03 | 4 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| <i>o</i> -Terphenyl | 79 | | 30 - 130 | | | | 04/23/13 14:49 | 04/25/13 00:03 | 4 |

Client Sample ID: HP0234A-CS-SP

Lab Sample ID: 680-89516-8

Date Collected: 04/17/13 11:20

Matrix: Solid

Date Received: 04/19/13 08:50

Percent Solids: 78.1

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|------------------|------------------|---------------|-----|-------|---|-----------------|-----------------|----------------|
| Acenaphthene | 510 | U | 510 | 100 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:59 | 4 |
| Acenaphthylene | 200 | U | 200 | 26 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:59 | 4 |
| Anthracene | 43 | U | 43 | 22 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:59 | 4 |
| Benzo[a]anthracene | 240 | | 41 | 20 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:59 | 4 |
| Benzo[a]pyrene | 380 | | 53 | 27 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:59 | 4 |
| Benzo[b]fluoranthene | 450 | | 62 | 31 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:59 | 4 |
| Benzo[g,h,i]perylene | 270 | | 100 | 23 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:59 | 4 |
| Benzo[k]fluoranthene | 110 | | 41 | 18 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:59 | 4 |
| Chrysene | 290 | | 46 | 23 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:59 | 4 |
| Dibenz(a,h)anthracene | 66 | J | 100 | 21 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:59 | 4 |
| Fluoranthene | 390 | | 100 | 20 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:59 | 4 |
| Fluorene | 44 | J | 100 | 21 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:59 | 4 |
| Indeno[1,2,3-cd]pyrene | 330 | | 100 | 36 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:59 | 4 |
| 1-Methylnaphthalene | 220 | | 200 | 23 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:59 | 4 |
| 2-Methylnaphthalene | 390 | | 200 | 36 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:59 | 4 |
| Naphthalene | 160 | J | 200 | 23 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:59 | 4 |
| Phenanthrene | 360 | | 41 | 20 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:59 | 4 |
| Pyrene | 400 | | 100 | 19 | ug/Kg | ☼ | 04/23/13 14:49 | 04/24/13 23:59 | 4 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| <i>o</i> -Terphenyl | 75 | | 30 - 130 | | | | 04/23/13 14:49 | 04/24/13 23:59 | 4 |

TestAmerica Savannah

Client Sample Results

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89516-1
 SDG: 68089516-1

Client Sample ID: HP0234B-CS-SP

Lab Sample ID: 680-89516-9

Date Collected: 04/17/13 11:30

Matrix: Solid

Date Received: 04/19/13 08:50

Percent Solids: 74.2

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|------------------|------------------|---------------|-----|-------|---|-----------------|-----------------|----------------|
| Acenaphthene | 33 | J | 140 | 27 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:18 | 1 |
| Acenaphthylene | 170 | | 54 | 6.8 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:18 | 1 |
| Anthracene | 200 | | 11 | 5.7 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:18 | 1 |
| Benzo[a]anthracene | 650 | | 11 | 5.3 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:18 | 1 |
| Benzo[a]pyrene | 510 | | 14 | 7.0 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:18 | 1 |
| Benzo[b]fluoranthene | 740 | | 17 | 8.3 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:18 | 1 |
| Benzo[g,h,i]perylene | 390 | | 27 | 6.0 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:18 | 1 |
| Benzo[k]fluoranthene | 240 | | 11 | 4.9 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:18 | 1 |
| Chrysene | 560 | | 12 | 6.1 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:18 | 1 |
| Dibenz(a,h)anthracene | 78 | | 27 | 5.6 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:18 | 1 |
| Fluoranthene | 990 | | 27 | 5.4 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:18 | 1 |
| Fluorene | 77 | | 27 | 5.6 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:18 | 1 |
| Indeno[1,2,3-cd]pyrene | 340 | | 27 | 9.6 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:18 | 1 |
| 1-Methylnaphthalene | 370 | | 54 | 6.0 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:18 | 1 |
| 2-Methylnaphthalene | 390 | | 54 | 9.6 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:18 | 1 |
| Naphthalene | 310 | | 54 | 6.0 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:18 | 1 |
| Phenanthrene | 960 | | 11 | 5.3 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:18 | 1 |
| Pyrene | 880 | | 27 | 5.0 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:18 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| <i>o</i> -Terphenyl | 65 | | 30 - 130 | | | | 04/23/13 14:49 | 04/25/13 00:18 | 1 |

Client Sample ID: FM0296A-CS-SP

Lab Sample ID: 680-89516-10

Date Collected: 04/17/13 09:25

Matrix: Solid

Date Received: 04/19/13 08:50

Percent Solids: 71.8

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|------------------|------------------|---------------|-----|-------|---|-----------------|-----------------|----------------|
| Acenaphthene | 36 | J | 140 | 27 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:36 | 1 |
| Acenaphthylene | 55 | U | 55 | 6.9 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:36 | 1 |
| Anthracene | 92 | | 12 | 5.8 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:36 | 1 |
| Benzo[a]anthracene | 290 | | 11 | 5.3 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:36 | 1 |
| Benzo[a]pyrene | 190 | | 14 | 7.1 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:36 | 1 |
| Benzo[b]fluoranthene | 270 | | 17 | 8.4 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:36 | 1 |
| Benzo[g,h,i]perylene | 130 | | 27 | 6.0 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:36 | 1 |
| Benzo[k]fluoranthene | 130 | | 11 | 4.9 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:36 | 1 |
| Chrysene | 280 | | 12 | 6.2 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:36 | 1 |
| Dibenz(a,h)anthracene | 35 | | 27 | 5.6 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:36 | 1 |
| Fluoranthene | 420 | | 27 | 5.5 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:36 | 1 |
| Fluorene | 43 | | 27 | 5.6 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:36 | 1 |
| Indeno[1,2,3-cd]pyrene | 170 | | 27 | 9.7 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:36 | 1 |
| 1-Methylnaphthalene | 180 | | 55 | 6.0 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:36 | 1 |
| 2-Methylnaphthalene | 280 | | 55 | 9.7 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:36 | 1 |
| Naphthalene | 240 | | 55 | 6.0 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:36 | 1 |
| Phenanthrene | 460 | | 11 | 5.3 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:36 | 1 |
| Pyrene | 340 | | 27 | 5.1 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:36 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| <i>o</i> -Terphenyl | 82 | | 30 - 130 | | | | 04/23/13 14:49 | 04/25/13 00:36 | 1 |

TestAmerica Savannah

Client Sample Results

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89516-1
 SDG: 68089516-1

Client Sample ID: FM0296B-CS-SP

Lab Sample ID: 680-89516-11

Date Collected: 04/17/13 09:40

Matrix: Solid

Date Received: 04/19/13 08:50

Percent Solids: 74.1

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|------------------|------------------|---------------|-----|-------|---|-----------------|-----------------|----------------|
| Acenaphthene | 130 | U | 130 | 26 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:55 | 1 |
| Acenaphthylene | 52 | U | 52 | 6.5 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:55 | 1 |
| Anthracene | 31 | | 11 | 5.5 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:55 | 1 |
| Benzo[a]anthracene | 89 | | 10 | 5.1 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:55 | 1 |
| Benzo[a]pyrene | 110 | | 14 | 6.8 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:55 | 1 |
| Benzo[b]fluoranthene | 130 | | 16 | 8.0 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:55 | 1 |
| Benzo[g,h,i]perylene | 77 | | 26 | 5.8 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:55 | 1 |
| Benzo[k]fluoranthene | 66 | | 10 | 4.7 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:55 | 1 |
| Chrysene | 97 | | 12 | 5.9 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:55 | 1 |
| Dibenz(a,h)anthracene | 21 | J | 26 | 5.4 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:55 | 1 |
| Fluoranthene | 140 | | 26 | 5.2 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:55 | 1 |
| Fluorene | 39 | | 26 | 5.4 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:55 | 1 |
| Indeno[1,2,3-cd]pyrene | 80 | | 26 | 9.3 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:55 | 1 |
| 1-Methylnaphthalene | 120 | | 52 | 5.8 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:55 | 1 |
| 2-Methylnaphthalene | 210 | | 52 | 9.3 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:55 | 1 |
| Naphthalene | 170 | | 52 | 5.8 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:55 | 1 |
| Phenanthrene | 180 | | 10 | 5.1 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:55 | 1 |
| Pyrene | 85 | | 26 | 4.8 | ug/Kg | ☼ | 04/23/13 14:49 | 04/25/13 00:55 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| <i>o</i> -Terphenyl | 77 | | 30 - 130 | | | | 04/23/13 14:49 | 04/25/13 00:55 | 1 |

Client Sample ID: FM0296C-CS-SP

Lab Sample ID: 680-89516-12

Date Collected: 04/17/13 09:55

Matrix: Solid

Date Received: 04/19/13 08:50

Percent Solids: 73.4

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|------------------|------------------|---------------|-----|-------|---|-----------------|-----------------|----------------|
| Acenaphthene | 140 | U | 140 | 27 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:03 | 1 |
| Acenaphthylene | 15 | J | 54 | 6.8 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:03 | 1 |
| Anthracene | 30 | | 11 | 5.7 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:03 | 1 |
| Benzo[a]anthracene | 110 | | 11 | 5.3 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:03 | 1 |
| Benzo[a]pyrene | 97 | | 14 | 7.1 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:03 | 1 |
| Benzo[b]fluoranthene | 180 | | 17 | 8.3 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:03 | 1 |
| Benzo[g,h,i]perylene | 70 | | 27 | 6.0 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:03 | 1 |
| Benzo[k]fluoranthene | 50 | | 11 | 4.9 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:03 | 1 |
| Chrysene | 190 | | 12 | 6.1 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:03 | 1 |
| Dibenz(a,h)anthracene | 25 | J | 27 | 5.6 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:03 | 1 |
| Fluoranthene | 210 | | 27 | 5.4 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:03 | 1 |
| Fluorene | 16 | J | 27 | 5.6 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:03 | 1 |
| Indeno[1,2,3-cd]pyrene | 51 | | 27 | 9.7 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:03 | 1 |
| 1-Methylnaphthalene | 190 | | 54 | 6.0 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:03 | 1 |
| 2-Methylnaphthalene | 260 | | 54 | 9.7 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:03 | 1 |
| Naphthalene | 200 | | 54 | 6.0 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:03 | 1 |
| Phenanthrene | 270 | | 11 | 5.3 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:03 | 1 |
| Pyrene | 150 | | 27 | 5.0 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:03 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| <i>o</i> -Terphenyl | 65 | | 30 - 130 | | | | 04/24/13 09:50 | 04/25/13 18:03 | 1 |

TestAmerica Savannah

Client Sample Results

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89516-1
 SDG: 68089516-1

Client Sample ID: FM0296D-CS-SP

Lab Sample ID: 680-89516-13

Date Collected: 04/17/13 10:10

Matrix: Solid

Date Received: 04/19/13 08:50

Percent Solids: 75.7

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|------------------|------------------|---------------|-----|-------|---|-----------------|-----------------|----------------|
| Acenaphthene | 130 | U | 130 | 26 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:26 | 1 |
| Acenaphthylene | 13 | J | 52 | 6.6 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:26 | 1 |
| Anthracene | 23 | | 11 | 5.5 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:26 | 1 |
| Benzo[a]anthracene | 82 | | 10 | 5.1 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:26 | 1 |
| Benzo[a]pyrene | 66 | | 14 | 6.8 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:26 | 1 |
| Benzo[b]fluoranthene | 130 | | 16 | 8.0 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:26 | 1 |
| Benzo[g,h,i]perylene | 47 | | 26 | 5.8 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:26 | 1 |
| Benzo[k]fluoranthene | 38 | | 10 | 4.7 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:26 | 1 |
| Chrysene | 130 | | 12 | 5.9 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:26 | 1 |
| Dibenz(a,h)anthracene | 17 | J | 26 | 5.4 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:26 | 1 |
| Fluoranthene | 130 | | 26 | 5.2 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:26 | 1 |
| Fluorene | 16 | J | 26 | 5.4 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:26 | 1 |
| Indeno[1,2,3-cd]pyrene | 37 | | 26 | 9.3 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:26 | 1 |
| 1-Methylnaphthalene | 240 | | 52 | 5.8 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:26 | 1 |
| 2-Methylnaphthalene | 350 | | 52 | 9.3 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:26 | 1 |
| Naphthalene | 260 | | 52 | 5.8 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:26 | 1 |
| Phenanthrene | 230 | | 10 | 5.1 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:26 | 1 |
| Pyrene | 97 | | 26 | 4.8 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:26 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| <i>o</i> -Terphenyl | 71 | | 30 - 130 | | | | 04/24/13 09:50 | 04/25/13 18:26 | 1 |

Client Sample ID: FM0296E-CS-SP

Lab Sample ID: 680-89516-14

Date Collected: 04/17/13 10:35

Matrix: Solid

Date Received: 04/19/13 08:50

Percent Solids: 84.5

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|------------------|------------------|---------------|-----|-------|---|-----------------|-----------------|----------------|
| Acenaphthene | 120 | U | 120 | 23 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:48 | 1 |
| Acenaphthylene | 8.3 | J | 47 | 5.8 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:48 | 1 |
| Anthracene | 32 | | 9.8 | 4.9 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:48 | 1 |
| Benzo[a]anthracene | 110 | | 9.3 | 4.6 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:48 | 1 |
| Benzo[a]pyrene | 69 | | 12 | 6.1 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:48 | 1 |
| Benzo[b]fluoranthene | 130 | | 14 | 7.1 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:48 | 1 |
| Benzo[g,h,i]perylene | 45 | | 23 | 5.1 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:48 | 1 |
| Benzo[k]fluoranthene | 41 | | 9.3 | 4.2 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:48 | 1 |
| Chrysene | 120 | | 11 | 5.3 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:48 | 1 |
| Dibenz(a,h)anthracene | 18 | J | 23 | 4.8 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:48 | 1 |
| Fluoranthene | 170 | | 23 | 4.7 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:48 | 1 |
| Fluorene | 15 | J | 23 | 4.8 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:48 | 1 |
| Indeno[1,2,3-cd]pyrene | 37 | | 23 | 8.3 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:48 | 1 |
| 1-Methylnaphthalene | 240 | | 47 | 5.1 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:48 | 1 |
| 2-Methylnaphthalene | 310 | | 47 | 8.3 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:48 | 1 |
| Naphthalene | 230 | | 47 | 5.1 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:48 | 1 |
| Phenanthrene | 230 | | 9.3 | 4.6 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:48 | 1 |
| Pyrene | 120 | | 23 | 4.3 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 18:48 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| <i>o</i> -Terphenyl | 59 | | 30 - 130 | | | | 04/24/13 09:50 | 04/25/13 18:48 | 1 |

TestAmerica Savannah

Client Sample Results

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89516-1
 SDG: 68089516-1

Client Sample ID: CV1115A-CS

Lab Sample ID: 680-89516-15

Date Collected: 04/17/13 12:45

Matrix: Solid

Date Received: 04/19/13 08:50

Percent Solids: 78.9

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|------------------|------------------|---------------|-----|-------|---|-----------------|-----------------|----------------|
| Acenaphthene | 130 | U | 130 | 25 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:11 | 1 |
| Acenaphthylene | 13 | J | 51 | 6.3 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:11 | 1 |
| Anthracene | 25 | | 11 | 5.3 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:11 | 1 |
| Benzo[a]anthracene | 96 | | 10 | 4.9 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:11 | 1 |
| Benzo[a]pyrene | 91 | | 13 | 6.6 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:11 | 1 |
| Benzo[b]fluoranthene | 160 | | 15 | 7.7 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:11 | 1 |
| Benzo[g,h,i]perylene | 58 | | 25 | 5.6 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:11 | 1 |
| Benzo[k]fluoranthene | 62 | | 10 | 4.6 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:11 | 1 |
| Chrysene | 130 | | 11 | 5.7 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:11 | 1 |
| Dibenz(a,h)anthracene | 22 | J | 25 | 5.2 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:11 | 1 |
| Fluoranthene | 170 | | 25 | 5.1 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:11 | 1 |
| Fluorene | 7.8 | J | 25 | 5.2 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:11 | 1 |
| Indeno[1,2,3-cd]pyrene | 50 | | 25 | 9.0 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:11 | 1 |
| 1-Methylnaphthalene | 39 | J | 51 | 5.6 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:11 | 1 |
| 2-Methylnaphthalene | 60 | | 51 | 9.0 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:11 | 1 |
| Naphthalene | 50 | J | 51 | 5.6 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:11 | 1 |
| Phenanthrene | 110 | | 10 | 4.9 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:11 | 1 |
| Pyrene | 130 | | 25 | 4.7 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:11 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| <i>o</i> -Terphenyl | 63 | | 30 - 130 | | | | 04/24/13 09:50 | 04/25/13 19:11 | 1 |

Client Sample ID: CV1115A-CSD

Lab Sample ID: 680-89516-16

Date Collected: 04/17/13 12:45

Matrix: Solid

Date Received: 04/19/13 08:50

Percent Solids: 79.6

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|------------------|------------------|---------------|-----|-------|---|-----------------|-----------------|----------------|
| Acenaphthene | 130 | U | 130 | 25 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:33 | 1 |
| Acenaphthylene | 12 | J | 50 | 6.3 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:33 | 1 |
| Anthracene | 19 | | 11 | 5.3 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:33 | 1 |
| Benzo[a]anthracene | 98 | | 10 | 4.9 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:33 | 1 |
| Benzo[a]pyrene | 94 | | 13 | 6.5 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:33 | 1 |
| Benzo[b]fluoranthene | 190 | | 15 | 7.7 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:33 | 1 |
| Benzo[g,h,i]perylene | 56 | | 25 | 5.5 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:33 | 1 |
| Benzo[k]fluoranthene | 57 | | 10 | 4.5 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:33 | 1 |
| Chrysene | 130 | | 11 | 5.7 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:33 | 1 |
| Dibenz(a,h)anthracene | 20 | J | 25 | 5.2 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:33 | 1 |
| Fluoranthene | 150 | | 25 | 5.0 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:33 | 1 |
| Fluorene | 5.6 | J | 25 | 5.2 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:33 | 1 |
| Indeno[1,2,3-cd]pyrene | 46 | | 25 | 8.9 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:33 | 1 |
| 1-Methylnaphthalene | 47 | J | 50 | 5.5 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:33 | 1 |
| 2-Methylnaphthalene | 64 | | 50 | 8.9 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:33 | 1 |
| Naphthalene | 53 | | 50 | 5.5 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:33 | 1 |
| Phenanthrene | 100 | | 10 | 4.9 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:33 | 1 |
| Pyrene | 110 | | 25 | 4.7 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:33 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| <i>o</i> -Terphenyl | 62 | | 30 - 130 | | | | 04/24/13 09:50 | 04/25/13 19:33 | 1 |

TestAmerica Savannah

Client Sample Results

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89516-1
 SDG: 68089516-1

Client Sample ID: CV1115B-CS

Lab Sample ID: 680-89516-17

Date Collected: 04/17/13 12:55

Matrix: Solid

Date Received: 04/19/13 08:50

Percent Solids: 67.5

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|------------------|------------------|---------------|-----|-------|---|-----------------|-----------------|----------------|
| Acenaphthene | 140 | U | 140 | 29 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:56 | 1 |
| Acenaphthylene | 57 | U | 57 | 7.2 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:56 | 1 |
| Anthracene | 8.8 | J | 12 | 6.0 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:56 | 1 |
| Benzo[a]anthracene | 41 | | 11 | 5.6 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:56 | 1 |
| Benzo[a]pyrene | 29 | | 15 | 7.5 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:56 | 1 |
| Benzo[b]fluoranthene | 54 | | 18 | 8.8 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:56 | 1 |
| Benzo[g,h,i]perylene | 18 | J | 29 | 6.3 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:56 | 1 |
| Benzo[k]fluoranthene | 19 | | 11 | 5.2 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:56 | 1 |
| Chrysene | 45 | | 13 | 6.5 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:56 | 1 |
| Dibenz(a,h)anthracene | 6.6 | J | 29 | 5.9 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:56 | 1 |
| Fluoranthene | 51 | | 29 | 5.7 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:56 | 1 |
| Fluorene | 29 | U | 29 | 5.9 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:56 | 1 |
| Indeno[1,2,3-cd]pyrene | 15 | J | 29 | 10 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:56 | 1 |
| 1-Methylnaphthalene | 16 | J | 57 | 6.3 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:56 | 1 |
| 2-Methylnaphthalene | 21 | J | 57 | 10 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:56 | 1 |
| Naphthalene | 21 | J | 57 | 6.3 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:56 | 1 |
| Phenanthrene | 34 | | 11 | 5.6 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:56 | 1 |
| Pyrene | 39 | | 29 | 5.3 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 19:56 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| <i>o</i> -Terphenyl | 72 | | 30 - 130 | | | | 04/24/13 09:50 | 04/25/13 19:56 | 1 |

Client Sample ID: CV1178A-CS

Lab Sample ID: 680-89516-18

Date Collected: 04/17/13 13:30

Matrix: Solid

Date Received: 04/19/13 08:50

Percent Solids: 86.2

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|------------------|------------------|---------------|-----|-------|---|-----------------|-----------------|----------------|
| Acenaphthene | 29 | J | 110 | 23 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 20:18 | 1 |
| Acenaphthylene | 19 | J | 45 | 5.7 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 20:18 | 1 |
| Anthracene | 49 | | 9.5 | 4.8 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 20:18 | 1 |
| Benzo[a]anthracene | 180 | | 9.1 | 4.4 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 20:18 | 1 |
| Benzo[a]pyrene | 190 | | 12 | 5.9 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 20:18 | 1 |
| Benzo[b]fluoranthene | 350 | | 14 | 6.9 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 20:18 | 1 |
| Benzo[g,h,i]perylene | 100 | | 23 | 5.0 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 20:18 | 1 |
| Benzo[k]fluoranthene | 110 | | 9.1 | 4.1 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 20:18 | 1 |
| Chrysene | 200 | | 10 | 5.1 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 20:18 | 1 |
| Dibenz(a,h)anthracene | 37 | | 23 | 4.7 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 20:18 | 1 |
| Fluoranthene | 300 | | 23 | 4.5 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 20:18 | 1 |
| Fluorene | 16 | J | 23 | 4.7 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 20:18 | 1 |
| Indeno[1,2,3-cd]pyrene | 88 | | 23 | 8.1 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 20:18 | 1 |
| 1-Methylnaphthalene | 31 | J | 45 | 5.0 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 20:18 | 1 |
| 2-Methylnaphthalene | 41 | J | 45 | 8.1 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 20:18 | 1 |
| Naphthalene | 50 | | 45 | 5.0 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 20:18 | 1 |
| Phenanthrene | 190 | | 9.1 | 4.4 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 20:18 | 1 |
| Pyrene | 220 | | 23 | 4.2 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 20:18 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| <i>o</i> -Terphenyl | 57 | | 30 - 130 | | | | 04/24/13 09:50 | 04/25/13 20:18 | 1 |

TestAmerica Savannah

Client Sample Results

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89516-1
 SDG: 68089516-1

Client Sample ID: CV1178B-CS

Lab Sample ID: 680-89516-19

Date Collected: 04/17/13 13:40

Matrix: Solid

Date Received: 04/19/13 08:50

Percent Solids: 74.7

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|------------------|------------------|---------------|-----|-------|---|-----------------|-----------------|----------------|
| Acenaphthene | 130 | U | 130 | 26 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 20:41 | 1 |
| Acenaphthylene | 21 | J | 53 | 6.6 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 20:41 | 1 |
| Anthracene | 46 | | 11 | 5.6 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 20:41 | 1 |
| Benzo[a]anthracene | 170 | | 11 | 5.2 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 20:41 | 1 |
| Benzo[a]pyrene | 120 | | 14 | 6.9 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 20:41 | 1 |
| Benzo[b]fluoranthene | 240 | | 16 | 8.1 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 20:41 | 1 |
| Benzo[g,h,i]perylene | 89 | | 26 | 5.8 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 20:41 | 1 |
| Benzo[k]fluoranthene | 59 | | 11 | 4.8 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 20:41 | 1 |
| Chrysene | 240 | | 12 | 6.0 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 20:41 | 1 |
| Dibenz(a,h)anthracene | 30 | | 26 | 5.4 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 20:41 | 1 |
| Fluoranthene | 230 | | 26 | 5.3 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 20:41 | 1 |
| Fluorene | 17 | J | 26 | 5.4 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 20:41 | 1 |
| Indeno[1,2,3-cd]pyrene | 45 | | 26 | 9.4 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 20:41 | 1 |
| 1-Methylnaphthalene | 400 | | 53 | 5.8 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 20:41 | 1 |
| 2-Methylnaphthalene | 530 | | 53 | 9.4 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 20:41 | 1 |
| Naphthalene | 370 | | 53 | 5.8 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 20:41 | 1 |
| Phenanthrene | 400 | | 11 | 5.2 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 20:41 | 1 |
| Pyrene | 200 | | 26 | 4.9 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 20:41 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| <i>o</i> -Terphenyl | 58 | | 30 - 130 | | | | 04/24/13 09:50 | 04/25/13 20:41 | 1 |

Client Sample ID: CV1264A-CS

Lab Sample ID: 680-89516-20

Date Collected: 04/17/13 14:50

Matrix: Solid

Date Received: 04/19/13 08:50

Percent Solids: 78.8

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|------------------|------------------|---------------|-----|-------|---|-----------------|-----------------|----------------|
| Acenaphthene | 130 | U | 130 | 25 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 21:03 | 1 |
| Acenaphthylene | 24 | J | 50 | 6.3 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 21:03 | 1 |
| Anthracene | 46 | | 11 | 5.3 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 21:03 | 1 |
| Benzo[a]anthracene | 230 | | 10 | 4.9 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 21:03 | 1 |
| Benzo[a]pyrene | 210 | | 13 | 6.5 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 21:03 | 1 |
| Benzo[b]fluoranthene | 420 | | 15 | 7.7 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 21:03 | 1 |
| Benzo[g,h,i]perylene | 100 | | 25 | 5.5 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 21:03 | 1 |
| Benzo[k]fluoranthene | 140 | | 10 | 4.5 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 21:03 | 1 |
| Chrysene | 300 | | 11 | 5.6 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 21:03 | 1 |
| Dibenz(a,h)anthracene | 42 | | 25 | 5.1 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 21:03 | 1 |
| Fluoranthene | 310 | | 25 | 5.0 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 21:03 | 1 |
| Fluorene | 16 | J | 25 | 5.1 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 21:03 | 1 |
| Indeno[1,2,3-cd]pyrene | 91 | | 25 | 8.9 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 21:03 | 1 |
| 1-Methylnaphthalene | 230 | | 50 | 5.5 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 21:03 | 1 |
| 2-Methylnaphthalene | 410 | | 50 | 8.9 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 21:03 | 1 |
| Naphthalene | 390 | | 50 | 5.5 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 21:03 | 1 |
| Phenanthrene | 260 | | 10 | 4.9 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 21:03 | 1 |
| Pyrene | 240 | | 25 | 4.6 | ug/Kg | ☼ | 04/24/13 09:50 | 04/25/13 21:03 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| <i>o</i> -Terphenyl | 50 | | 30 - 130 | | | | 04/24/13 09:50 | 04/25/13 21:03 | 1 |

TestAmerica Savannah

QC Sample Results

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89516-1
 SDG: 68089516-1

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Lab Sample ID: MB 660-136752/1-A

Matrix: Solid

Analysis Batch: 136826

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 136752

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|-----------|--------------|-----|-----|-------|---|----------------|----------------|---------|
| Acenaphthene | 98 | U | 98 | 20 | ug/Kg | | 04/23/13 14:49 | 04/24/13 16:55 | 1 |
| Acenaphthylene | 39 | U | 39 | 4.9 | ug/Kg | | 04/23/13 14:49 | 04/24/13 16:55 | 1 |
| Anthracene | 8.2 | U | 8.2 | 4.1 | ug/Kg | | 04/23/13 14:49 | 04/24/13 16:55 | 1 |
| Benzo[a]anthracene | 7.8 | U | 7.8 | 3.8 | ug/Kg | | 04/23/13 14:49 | 04/24/13 16:55 | 1 |
| Benzo[a]pyrene | 10 | U | 10 | 5.1 | ug/Kg | | 04/23/13 14:49 | 04/24/13 16:55 | 1 |
| Benzo[b]fluoranthene | 12 | U | 12 | 6.0 | ug/Kg | | 04/23/13 14:49 | 04/24/13 16:55 | 1 |
| Benzo[g,h,i]perylene | 20 | U | 20 | 4.3 | ug/Kg | | 04/23/13 14:49 | 04/24/13 16:55 | 1 |
| Benzo[k]fluoranthene | 7.8 | U | 7.8 | 3.5 | ug/Kg | | 04/23/13 14:49 | 04/24/13 16:55 | 1 |
| Chrysene | 8.8 | U | 8.8 | 4.4 | ug/Kg | | 04/23/13 14:49 | 04/24/13 16:55 | 1 |
| Dibenz(a,h)anthracene | 20 | U | 20 | 4.0 | ug/Kg | | 04/23/13 14:49 | 04/24/13 16:55 | 1 |
| Fluoranthene | 20 | U | 20 | 3.9 | ug/Kg | | 04/23/13 14:49 | 04/24/13 16:55 | 1 |
| Fluorene | 20 | U | 20 | 4.0 | ug/Kg | | 04/23/13 14:49 | 04/24/13 16:55 | 1 |
| Indeno[1,2,3-cd]pyrene | 20 | U | 20 | 7.0 | ug/Kg | | 04/23/13 14:49 | 04/24/13 16:55 | 1 |
| 1-Methylnaphthalene | 39 | U | 39 | 4.3 | ug/Kg | | 04/23/13 14:49 | 04/24/13 16:55 | 1 |
| 2-Methylnaphthalene | 39 | U | 39 | 7.0 | ug/Kg | | 04/23/13 14:49 | 04/24/13 16:55 | 1 |
| Naphthalene | 39 | U | 39 | 4.3 | ug/Kg | | 04/23/13 14:49 | 04/24/13 16:55 | 1 |
| Phenanthrene | 7.8 | U | 7.8 | 3.8 | ug/Kg | | 04/23/13 14:49 | 04/24/13 16:55 | 1 |
| Pyrene | 20 | U | 20 | 3.6 | ug/Kg | | 04/23/13 14:49 | 04/24/13 16:55 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---------------------|--------------|--------------|----------|----------------|----------------|---------|
| <i>o</i> -Terphenyl | 62 | | 30 - 130 | 04/23/13 14:49 | 04/24/13 16:55 | 1 |

Lab Sample ID: LCS 660-136752/2-A

Matrix: Solid

Analysis Batch: 136826

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 136752

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|------------------------|-------------|------------|---------------|-------|---|------|--------------|
| Acenaphthene | 657 | 486 | | ug/Kg | | 74 | 39 - 130 |
| Acenaphthylene | 657 | 507 | | ug/Kg | | 77 | 38 - 130 |
| Anthracene | 657 | 496 | | ug/Kg | | 75 | 37 - 130 |
| Benzo[a]anthracene | 657 | 547 | | ug/Kg | | 83 | 40 - 130 |
| Benzo[a]pyrene | 657 | 494 | | ug/Kg | | 75 | 49 - 130 |
| Benzo[b]fluoranthene | 657 | 577 | | ug/Kg | | 88 | 37 - 130 |
| Benzo[g,h,i]perylene | 657 | 548 | | ug/Kg | | 83 | 32 - 130 |
| Benzo[k]fluoranthene | 657 | 542 | | ug/Kg | | 83 | 32 - 130 |
| Chrysene | 657 | 513 | | ug/Kg | | 78 | 41 - 130 |
| Dibenz(a,h)anthracene | 657 | 574 | | ug/Kg | | 87 | 27 - 130 |
| Fluoranthene | 657 | 534 | | ug/Kg | | 81 | 40 - 130 |
| Fluorene | 657 | 528 | | ug/Kg | | 80 | 40 - 130 |
| Indeno[1,2,3-cd]pyrene | 657 | 535 | | ug/Kg | | 81 | 30 - 130 |
| 1-Methylnaphthalene | 657 | 503 | | ug/Kg | | 77 | 31 - 130 |
| 2-Methylnaphthalene | 657 | 498 | | ug/Kg | | 76 | 33 - 130 |
| Naphthalene | 657 | 478 | | ug/Kg | | 73 | 36 - 130 |
| Phenanthrene | 657 | 485 | | ug/Kg | | 74 | 42 - 130 |
| Pyrene | 657 | 518 | | ug/Kg | | 79 | 44 - 130 |

TestAmerica Savannah

QC Sample Results

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89516-1
 SDG: 68089516-1

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Lab Sample ID: LCS 660-136752/2-A
Matrix: Solid
Analysis Batch: 136826

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 136752

| Surrogate | LCS LCS | | Limits |
|---------------------|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| <i>o</i> -Terphenyl | 75 | | 30 - 130 |

Lab Sample ID: MB 660-136774/1-A
Matrix: Solid
Analysis Batch: 136899

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 136774

| Analyte | MB MB | | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| | Result | Qualifier | | | | | | | |
| Acenaphthene | 99 | U | 99 | 20 | ug/Kg | | 04/24/13 09:50 | 04/25/13 15:03 | 1 |
| Acenaphthylene | 39 | U | 39 | 4.9 | ug/Kg | | 04/24/13 09:50 | 04/25/13 15:03 | 1 |
| Anthracene | 8.3 | U | 8.3 | 4.1 | ug/Kg | | 04/24/13 09:50 | 04/25/13 15:03 | 1 |
| Benzo[a]anthracene | 7.9 | U | 7.9 | 3.8 | ug/Kg | | 04/24/13 09:50 | 04/25/13 15:03 | 1 |
| Benzo[a]pyrene | 10 | U | 10 | 5.1 | ug/Kg | | 04/24/13 09:50 | 04/25/13 15:03 | 1 |
| Benzo[b]fluoranthene | 12 | U | 12 | 6.0 | ug/Kg | | 04/24/13 09:50 | 04/25/13 15:03 | 1 |
| Benzo[g,h,i]perylene | 20 | U | 20 | 4.3 | ug/Kg | | 04/24/13 09:50 | 04/25/13 15:03 | 1 |
| Benzo[k]fluoranthene | 7.9 | U | 7.9 | 3.6 | ug/Kg | | 04/24/13 09:50 | 04/25/13 15:03 | 1 |
| Chrysene | 8.9 | U | 8.9 | 4.4 | ug/Kg | | 04/24/13 09:50 | 04/25/13 15:03 | 1 |
| Dibenz(a,h)anthracene | 20 | U | 20 | 4.0 | ug/Kg | | 04/24/13 09:50 | 04/25/13 15:03 | 1 |
| Fluoranthene | 20 | U | 20 | 3.9 | ug/Kg | | 04/24/13 09:50 | 04/25/13 15:03 | 1 |
| Fluorene | 20 | U | 20 | 4.0 | ug/Kg | | 04/24/13 09:50 | 04/25/13 15:03 | 1 |
| Indeno[1,2,3-cd]pyrene | 20 | U | 20 | 7.0 | ug/Kg | | 04/24/13 09:50 | 04/25/13 15:03 | 1 |
| 1-Methylnaphthalene | 39 | U | 39 | 4.3 | ug/Kg | | 04/24/13 09:50 | 04/25/13 15:03 | 1 |
| 2-Methylnaphthalene | 39 | U | 39 | 7.0 | ug/Kg | | 04/24/13 09:50 | 04/25/13 15:03 | 1 |
| Naphthalene | 39 | U | 39 | 4.3 | ug/Kg | | 04/24/13 09:50 | 04/25/13 15:03 | 1 |
| Phenanthrene | 7.9 | U | 7.9 | 3.8 | ug/Kg | | 04/24/13 09:50 | 04/25/13 15:03 | 1 |
| Pyrene | 20 | U | 20 | 3.6 | ug/Kg | | 04/24/13 09:50 | 04/25/13 15:03 | 1 |

| Surrogate | MB MB | | Limits | Prepared | Analyzed | Dil Fac |
|---------------------|-----------|-----------|----------|----------------|----------------|---------|
| | %Recovery | Qualifier | | | | |
| <i>o</i> -Terphenyl | 73 | | 30 - 130 | 04/24/13 09:50 | 04/25/13 15:03 | 1 |

Lab Sample ID: LCS 660-136774/2-A
Matrix: Solid
Analysis Batch: 136899

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 136774

| Analyte | Spike Added | LCS LCS | | Unit | D | %Rec | %Rec. Limits |
|------------------------|-------------|---------|-----------|-------|---|------|--------------|
| | | Result | Qualifier | | | | |
| Acenaphthene | 664 | 338 | | ug/Kg | | 51 | 39 - 130 |
| Acenaphthylene | 664 | 354 | | ug/Kg | | 53 | 38 - 130 |
| Anthracene | 664 | 347 | | ug/Kg | | 52 | 37 - 130 |
| Benzo[a]anthracene | 664 | 371 | | ug/Kg | | 56 | 40 - 130 |
| Benzo[a]pyrene | 664 | 335 | | ug/Kg | | 50 | 49 - 130 |
| Benzo[b]fluoranthene | 664 | 389 | | ug/Kg | | 59 | 37 - 130 |
| Benzo[g,h,i]perylene | 664 | 374 | | ug/Kg | | 56 | 32 - 130 |
| Benzo[k]fluoranthene | 664 | 369 | | ug/Kg | | 56 | 32 - 130 |
| Chrysene | 664 | 343 | | ug/Kg | | 52 | 41 - 130 |
| Dibenz(a,h)anthracene | 664 | 390 | | ug/Kg | | 59 | 27 - 130 |
| Fluoranthene | 664 | 384 | | ug/Kg | | 58 | 40 - 130 |
| Fluorene | 664 | 377 | | ug/Kg | | 57 | 40 - 130 |
| Indeno[1,2,3-cd]pyrene | 664 | 376 | | ug/Kg | | 57 | 30 - 130 |
| 1-Methylnaphthalene | 664 | 371 | | ug/Kg | | 56 | 31 - 130 |

TestAmerica Savannah

QC Sample Results

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89516-1
 SDG: 68089516-1

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Lab Sample ID: LCS 660-136774/2-A

Matrix: Solid

Analysis Batch: 136899

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 136774

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------------------|-------------|------------|---------------|-------|---|------|--------------|
| 2-Methylnaphthalene | 664 | 363 | | ug/Kg | | 55 | 33 - 130 |
| Naphthalene | 664 | 343 | | ug/Kg | | 52 | 36 - 130 |
| Phenanthrene | 664 | 350 | | ug/Kg | | 53 | 42 - 130 |
| Pyrene | 664 | 329 | | ug/Kg | | 50 | 44 - 130 |

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|---------------------|---------------|---------------|----------|
| <i>o</i> -Terphenyl | 54 | | 30 - 130 |

Lab Sample ID: MB 660-136818/1-A

Matrix: Solid

Analysis Batch: 136892

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 136818

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|-----------|--------------|-----|-----|-------|---|----------------|----------------|---------|
| Acenaphthene | 98 | U | 98 | 20 | ug/Kg | | 04/25/13 09:13 | 04/26/13 13:49 | 1 |
| Acenaphthylene | 39 | U | 39 | 4.9 | ug/Kg | | 04/25/13 09:13 | 04/26/13 13:49 | 1 |
| Anthracene | 8.3 | U | 8.3 | 4.1 | ug/Kg | | 04/25/13 09:13 | 04/26/13 13:49 | 1 |
| Benzo[a]anthracene | 7.9 | U | 7.9 | 3.8 | ug/Kg | | 04/25/13 09:13 | 04/26/13 13:49 | 1 |
| Benzo[a]pyrene | 10 | U | 10 | 5.1 | ug/Kg | | 04/25/13 09:13 | 04/26/13 13:49 | 1 |
| Benzo[b]fluoranthene | 12 | U | 12 | 6.0 | ug/Kg | | 04/25/13 09:13 | 04/26/13 13:49 | 1 |
| Benzo[g,h,i]perylene | 20 | U | 20 | 4.3 | ug/Kg | | 04/25/13 09:13 | 04/26/13 13:49 | 1 |
| Benzo[k]fluoranthene | 7.9 | U | 7.9 | 3.5 | ug/Kg | | 04/25/13 09:13 | 04/26/13 13:49 | 1 |
| Chrysene | 8.8 | U | 8.8 | 4.4 | ug/Kg | | 04/25/13 09:13 | 04/26/13 13:49 | 1 |
| Dibenz(a,h)anthracene | 20 | U | 20 | 4.0 | ug/Kg | | 04/25/13 09:13 | 04/26/13 13:49 | 1 |
| Fluoranthene | 20 | U | 20 | 3.9 | ug/Kg | | 04/25/13 09:13 | 04/26/13 13:49 | 1 |
| Fluorene | 20 | U | 20 | 4.0 | ug/Kg | | 04/25/13 09:13 | 04/26/13 13:49 | 1 |
| Indeno[1,2,3-cd]pyrene | 20 | U | 20 | 7.0 | ug/Kg | | 04/25/13 09:13 | 04/26/13 13:49 | 1 |
| 1-Methylnaphthalene | 39 | U | 39 | 4.3 | ug/Kg | | 04/25/13 09:13 | 04/26/13 13:49 | 1 |
| 2-Methylnaphthalene | 39 | U | 39 | 7.0 | ug/Kg | | 04/25/13 09:13 | 04/26/13 13:49 | 1 |
| Naphthalene | 39 | U | 39 | 4.3 | ug/Kg | | 04/25/13 09:13 | 04/26/13 13:49 | 1 |
| Phenanthrene | 7.9 | U | 7.9 | 3.8 | ug/Kg | | 04/25/13 09:13 | 04/26/13 13:49 | 1 |
| Pyrene | 20 | U | 20 | 3.6 | ug/Kg | | 04/25/13 09:13 | 04/26/13 13:49 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---------------------|--------------|--------------|----------|----------------|----------------|---------|
| <i>o</i> -Terphenyl | 68 | | 30 - 130 | 04/25/13 09:13 | 04/26/13 13:49 | 1 |

Lab Sample ID: LCS 660-136818/2-A

Matrix: Solid

Analysis Batch: 136892

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 136818

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|----------------------|-------------|------------|---------------|-------|---|------|--------------|
| Acenaphthene | 657 | 463 | | ug/Kg | | 70 | 39 - 130 |
| Acenaphthylene | 657 | 457 | | ug/Kg | | 70 | 38 - 130 |
| Anthracene | 657 | 497 | | ug/Kg | | 76 | 37 - 130 |
| Benzo[a]anthracene | 657 | 489 | | ug/Kg | | 74 | 40 - 130 |
| Benzo[a]pyrene | 657 | 475 | | ug/Kg | | 72 | 49 - 130 |
| Benzo[b]fluoranthene | 657 | 498 | | ug/Kg | | 76 | 37 - 130 |
| Benzo[g,h,i]perylene | 657 | 499 | | ug/Kg | | 76 | 32 - 130 |
| Benzo[k]fluoranthene | 657 | 505 | | ug/Kg | | 77 | 32 - 130 |

TestAmerica Savannah

QC Sample Results

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89516-1
 SDG: 68089516-1

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Lab Sample ID: LCS 660-136818/2-A

Matrix: Solid

Analysis Batch: 136892

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 136818

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|------------------------|-------------|------------|---------------|-------|---|------|--------------|
| Chrysene | 657 | 472 | | ug/Kg | | 72 | 41 - 130 |
| Dibenz(a,h)anthracene | 657 | 570 | | ug/Kg | | 87 | 27 - 130 |
| Fluoranthene | 657 | 538 | | ug/Kg | | 82 | 40 - 130 |
| Fluorene | 657 | 472 | | ug/Kg | | 72 | 40 - 130 |
| Indeno[1,2,3-cd]pyrene | 657 | 525 | | ug/Kg | | 80 | 30 - 130 |
| 1-Methylnaphthalene | 657 | 516 | | ug/Kg | | 79 | 31 - 130 |
| 2-Methylnaphthalene | 657 | 498 | | ug/Kg | | 76 | 33 - 130 |
| Naphthalene | 657 | 463 | | ug/Kg | | 70 | 36 - 130 |
| Phenanthrene | 657 | 471 | | ug/Kg | | 72 | 42 - 130 |
| Pyrene | 657 | 495 | | ug/Kg | | 75 | 44 - 130 |

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|---------------------|---------------|---------------|----------|
| <i>o</i> -Terphenyl | 74 | | 30 - 130 |

Lab Sample ID: 680-89516-2 MS

Matrix: Solid

Analysis Batch: 136892

Client Sample ID: CV0117B-CS

Prep Type: Total/NA

Prep Batch: 136818

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|------------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|--------------|
| Acenaphthene | 140 | U | 929 | 494 | | ug/Kg | ☼ | 53 | 39 - 130 |
| Acenaphthylene | 36 | J | 929 | 534 | | ug/Kg | ☼ | 54 | 38 - 130 |
| Anthracene | 64 | | 929 | 615 | | ug/Kg | ☼ | 59 | 37 - 130 |
| Benzo[a]anthracene | 170 | | 929 | 727 | | ug/Kg | ☼ | 60 | 40 - 130 |
| Benzo[a]pyrene | 160 | | 929 | 622 | | ug/Kg | ☼ | 50 | 49 - 130 |
| Benzo[b]fluoranthene | 310 | | 929 | 883 | | ug/Kg | ☼ | 62 | 37 - 130 |
| Benzo[g,h,i]perylene | 130 | | 929 | 531 | | ug/Kg | ☼ | 43 | 32 - 130 |
| Benzo[k]fluoranthene | 71 | | 929 | 536 | | ug/Kg | ☼ | 50 | 32 - 130 |
| Chrysene | 280 | | 929 | 753 | | ug/Kg | ☼ | 51 | 41 - 130 |
| Dibenz(a,h)anthracene | 51 | | 929 | 615 | | ug/Kg | ☼ | 61 | 27 - 130 |
| Fluoranthene | 230 | | 929 | 823 | | ug/Kg | ☼ | 63 | 40 - 130 |
| Fluorene | 28 | | 929 | 511 | | ug/Kg | ☼ | 52 | 40 - 130 |
| Indeno[1,2,3-cd]pyrene | 120 | | 929 | 639 | | ug/Kg | ☼ | 56 | 30 - 130 |
| 1-Methylnaphthalene | 270 | F | 929 | 833 | | ug/Kg | ☼ | 60 | 31 - 130 |
| 2-Methylnaphthalene | 290 | F | 929 | 862 | | ug/Kg | ☼ | 62 | 33 - 130 |
| Naphthalene | 170 | F | 929 | 992 | | ug/Kg | ☼ | 88 | 36 - 130 |
| Phenanthrene | 340 | F | 929 | 951 | | ug/Kg | ☼ | 66 | 42 - 130 |
| Pyrene | 200 | | 929 | 707 | | ug/Kg | ☼ | 54 | 44 - 130 |

| Surrogate | MS %Recovery | MS Qualifier | Limits |
|---------------------|--------------|--------------|----------|
| <i>o</i> -Terphenyl | 57 | | 30 - 130 |

Lab Sample ID: 680-89516-2 MSD

Matrix: Solid

Analysis Batch: 136892

Client Sample ID: CV0117B-CS

Prep Type: Total/NA

Prep Batch: 136818

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | Limit |
|----------------|---------------|------------------|-------------|------------|---------------|-------|---|------|--------------|-----|-------|
| Acenaphthene | 140 | U | 929 | 672 | | ug/Kg | ☼ | 72 | 39 - 130 | 30 | 40 |
| Acenaphthylene | 36 | J | 929 | 737 | | ug/Kg | ☼ | 75 | 38 - 130 | 32 | 40 |

TestAmerica Savannah

QC Sample Results

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89516-1
 SDG: 68089516-1

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Lab Sample ID: 680-89516-2 MSD

Matrix: Solid

Analysis Batch: 136892

Client Sample ID: CV0117B-CS

Prep Type: Total/NA

Prep Batch: 136818

| Analyte | Sample | Sample | Spike | MSD | MSD | Unit | D | %Rec | %Rec. | RPD | |
|------------------------|------------------|------------------|---------------|--------|-----------|-------|---|------|----------|-----|-------|
| | Result | Qualifier | Added | Result | Qualifier | | | | Limits | RPD | Limit |
| Anthracene | 64 | | 929 | 838 | | ug/Kg | ☼ | 83 | 37 - 130 | 31 | 40 |
| Benzo[a]anthracene | 170 | | 929 | 929 | | ug/Kg | ☼ | 82 | 40 - 130 | 24 | 40 |
| Benzo[a]pyrene | 160 | | 929 | 816 | | ug/Kg | ☼ | 71 | 49 - 130 | 27 | 40 |
| Benzo[b]fluoranthene | 310 | | 929 | 1110 | | ug/Kg | ☼ | 86 | 37 - 130 | 23 | 40 |
| Benzo[g,h,i]perylene | 130 | | 929 | 679 | | ug/Kg | ☼ | 59 | 32 - 130 | 24 | 40 |
| Benzo[k]fluoranthene | 71 | | 929 | 725 | | ug/Kg | ☼ | 70 | 32 - 130 | 30 | 40 |
| Chrysene | 280 | | 929 | 995 | | ug/Kg | ☼ | 77 | 41 - 130 | 28 | 40 |
| Dibenz(a,h)anthracene | 51 | | 929 | 774 | | ug/Kg | ☼ | 78 | 27 - 130 | 23 | 40 |
| Fluoranthene | 230 | | 929 | 1100 | | ug/Kg | ☼ | 93 | 40 - 130 | 29 | 40 |
| Fluorene | 28 | | 929 | 717 | | ug/Kg | ☼ | 74 | 40 - 130 | 34 | 40 |
| Indeno[1,2,3-cd]pyrene | 120 | | 929 | 790 | | ug/Kg | ☼ | 72 | 30 - 130 | 21 | 40 |
| 1-Methylnaphthalene | 270 | F | 929 | 1310 | F | ug/Kg | ☼ | 112 | 31 - 130 | 45 | 40 |
| 2-Methylnaphthalene | 290 | F | 929 | 1390 | F | ug/Kg | ☼ | 119 | 33 - 130 | 47 | 40 |
| Naphthalene | 170 | F | 929 | 1980 | F | ug/Kg | ☼ | 194 | 36 - 130 | 66 | 40 |
| Phenanthrene | 340 | F | 929 | 1520 | F | ug/Kg | ☼ | 128 | 42 - 130 | 46 | 40 |
| Pyrene | 200 | | 929 | 1040 | | ug/Kg | ☼ | 90 | 44 - 130 | 38 | 40 |
| MSD MSD | | | | | | | | | | | |
| Surrogate | %Recovery | Qualifier | Limits | | | | | | | | |
| <i>o</i> -Terphenyl | 73 | | 30 - 130 | | | | | | | | |

QC Association Summary

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89516-1
 SDG: 68089516-1

GC/MS Semi VOA

Prep Batch: 136752

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 680-89516-1 | CV0117A-CS | Total/NA | Solid | 3546 | |
| 680-89516-3 | CV0689A-CS | Total/NA | Solid | 3546 | |
| 680-89516-4 | CV0689B-CS | Total/NA | Solid | 3546 | |
| 680-89516-5 | CV0689B-CSD | Total/NA | Solid | 3546 | |
| 680-89516-6 | CV1102A-CS | Total/NA | Solid | 3546 | |
| 680-89516-7 | CV1102B-CS | Total/NA | Solid | 3546 | |
| 680-89516-8 | HP0234A-CS-SP | Total/NA | Solid | 3546 | |
| 680-89516-9 | HP0234B-CS-SP | Total/NA | Solid | 3546 | |
| 680-89516-10 | FM0296A-CS-SP | Total/NA | Solid | 3546 | |
| 680-89516-11 | FM0296B-CS-SP | Total/NA | Solid | 3546 | |
| LCS 660-136752/2-A | Lab Control Sample | Total/NA | Solid | 3546 | |
| MB 660-136752/1-A | Method Blank | Total/NA | Solid | 3546 | |

Prep Batch: 136774

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 680-89516-12 | FM0296C-CS-SP | Total/NA | Solid | 3546 | |
| 680-89516-13 | FM0296D-CS-SP | Total/NA | Solid | 3546 | |
| 680-89516-14 | FM0296E-CS-SP | Total/NA | Solid | 3546 | |
| 680-89516-15 | CV1115A-CS | Total/NA | Solid | 3546 | |
| 680-89516-16 | CV1115A-CSD | Total/NA | Solid | 3546 | |
| 680-89516-17 | CV1115B-CS | Total/NA | Solid | 3546 | |
| 680-89516-18 | CV1178A-CS | Total/NA | Solid | 3546 | |
| 680-89516-19 | CV1178B-CS | Total/NA | Solid | 3546 | |
| 680-89516-20 | CV1264A-CS | Total/NA | Solid | 3546 | |
| LCS 660-136774/2-A | Lab Control Sample | Total/NA | Solid | 3546 | |
| MB 660-136774/1-A | Method Blank | Total/NA | Solid | 3546 | |

Analysis Batch: 136792

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|----------|------------|
| 680-89516-8 | HP0234A-CS-SP | Total/NA | Solid | 8270C LL | 136752 |
| 680-89516-9 | HP0234B-CS-SP | Total/NA | Solid | 8270C LL | 136752 |
| 680-89516-10 | FM0296A-CS-SP | Total/NA | Solid | 8270C LL | 136752 |
| 680-89516-11 | FM0296B-CS-SP | Total/NA | Solid | 8270C LL | 136752 |

Prep Batch: 136818

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 680-89516-2 | CV0117B-CS | Total/NA | Solid | 3546 | |
| 680-89516-2 MS | CV0117B-CS | Total/NA | Solid | 3546 | |
| 680-89516-2 MSD | CV0117B-CS | Total/NA | Solid | 3546 | |
| LCS 660-136818/2-A | Lab Control Sample | Total/NA | Solid | 3546 | |
| MB 660-136818/1-A | Method Blank | Total/NA | Solid | 3546 | |

Analysis Batch: 136826

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|----------|------------|
| 680-89516-1 | CV0117A-CS | Total/NA | Solid | 8270C LL | 136752 |
| 680-89516-3 | CV0689A-CS | Total/NA | Solid | 8270C LL | 136752 |
| 680-89516-4 | CV0689B-CS | Total/NA | Solid | 8270C LL | 136752 |
| 680-89516-5 | CV0689B-CSD | Total/NA | Solid | 8270C LL | 136752 |
| 680-89516-6 | CV1102A-CS | Total/NA | Solid | 8270C LL | 136752 |
| 680-89516-7 | CV1102B-CS | Total/NA | Solid | 8270C LL | 136752 |
| LCS 660-136752/2-A | Lab Control Sample | Total/NA | Solid | 8270C LL | 136752 |

TestAmerica Savannah

QC Association Summary

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89516-1
 SDG: 68089516-1

GC/MS Semi VOA (Continued)

Analysis Batch: 136826 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------|-----------|--------|----------|------------|
| MB 660-136752/1-A | Method Blank | Total/NA | Solid | 8270C LL | 136752 |

Analysis Batch: 136892

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|----------|------------|
| 680-89516-2 | CV0117B-CS | Total/NA | Solid | 8270C LL | 136818 |
| 680-89516-2 MS | CV0117B-CS | Total/NA | Solid | 8270C LL | 136818 |
| 680-89516-2 MSD | CV0117B-CS | Total/NA | Solid | 8270C LL | 136818 |
| LCS 660-136818/2-A | Lab Control Sample | Total/NA | Solid | 8270C LL | 136818 |
| MB 660-136818/1-A | Method Blank | Total/NA | Solid | 8270C LL | 136818 |

Analysis Batch: 136899

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|----------|------------|
| 680-89516-12 | FM0296C-CS-SP | Total/NA | Solid | 8270C LL | 136774 |
| 680-89516-13 | FM0296D-CS-SP | Total/NA | Solid | 8270C LL | 136774 |
| 680-89516-14 | FM0296E-CS-SP | Total/NA | Solid | 8270C LL | 136774 |
| 680-89516-15 | CV1115A-CS | Total/NA | Solid | 8270C LL | 136774 |
| 680-89516-16 | CV1115A-CSD | Total/NA | Solid | 8270C LL | 136774 |
| 680-89516-17 | CV1115B-CS | Total/NA | Solid | 8270C LL | 136774 |
| 680-89516-18 | CV1178A-CS | Total/NA | Solid | 8270C LL | 136774 |
| 680-89516-19 | CV1178B-CS | Total/NA | Solid | 8270C LL | 136774 |
| 680-89516-20 | CV1264A-CS | Total/NA | Solid | 8270C LL | 136774 |
| LCS 660-136774/2-A | Lab Control Sample | Total/NA | Solid | 8270C LL | 136774 |
| MB 660-136774/1-A | Method Blank | Total/NA | Solid | 8270C LL | 136774 |

General Chemistry

Analysis Batch: 136686

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-----------------|------------------|-----------|--------|----------|------------|
| 680-89516-1 | CV0117A-CS | Total/NA | Solid | Moisture | |
| 680-89516-2 | CV0117B-CS | Total/NA | Solid | Moisture | |
| 680-89516-2 MS | CV0117B-CS | Total/NA | Solid | Moisture | |
| 680-89516-2 MSD | CV0117B-CS | Total/NA | Solid | Moisture | |
| 680-89516-3 | CV0689A-CS | Total/NA | Solid | Moisture | |
| 680-89516-4 | CV0689B-CS | Total/NA | Solid | Moisture | |
| 680-89516-5 | CV0689B-CSD | Total/NA | Solid | Moisture | |
| 680-89516-6 | CV1102A-CS | Total/NA | Solid | Moisture | |
| 680-89516-7 | CV1102B-CS | Total/NA | Solid | Moisture | |
| 680-89516-8 | HP0234A-CS-SP | Total/NA | Solid | Moisture | |
| 680-89516-9 | HP0234B-CS-SP | Total/NA | Solid | Moisture | |
| 680-89516-10 | FM0296A-CS-SP | Total/NA | Solid | Moisture | |
| 680-89516-11 | FM0296B-CS-SP | Total/NA | Solid | Moisture | |
| 680-89516-12 | FM0296C-CS-SP | Total/NA | Solid | Moisture | |
| 680-89516-13 | FM0296D-CS-SP | Total/NA | Solid | Moisture | |
| 680-89516-14 | FM0296E-CS-SP | Total/NA | Solid | Moisture | |
| 680-89516-15 | CV1115A-CS | Total/NA | Solid | Moisture | |
| 680-89516-16 | CV1115A-CSD | Total/NA | Solid | Moisture | |
| 680-89516-17 | CV1115B-CS | Total/NA | Solid | Moisture | |
| 680-89516-18 | CV1178A-CS | Total/NA | Solid | Moisture | |
| 680-89516-19 | CV1178B-CS | Total/NA | Solid | Moisture | |
| 680-89516-20 | CV1264A-CS | Total/NA | Solid | Moisture | |

TestAmerica Savannah

Lab Chronicle

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89516-1
 SDG: 68089516-1

Client Sample ID: CV0117A-CS

Lab Sample ID: 680-89516-1

Date Collected: 04/17/13 10:20

Matrix: Solid

Date Received: 04/19/13 08:50

Percent Solids: 76.4

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 3546 | | | 136752 | 04/23/13 14:49 | SC | TAL TAM |
| Total/NA | Analysis | 8270C LL | | 4 | 136826 | 04/24/13 22:11 | SCC | TAL TAM |
| Total/NA | Analysis | Moisture | | 1 | 136686 | 04/22/13 12:37 | AG | TAL TAM |

Client Sample ID: CV0117B-CS

Lab Sample ID: 680-89516-2

Date Collected: 04/17/13 10:30

Matrix: Solid

Date Received: 04/19/13 08:50

Percent Solids: 72.0

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 3546 | | | 136818 | 04/25/13 09:13 | SC | TAL TAM |
| Total/NA | Analysis | 8270C LL | | 1 | 136892 | 04/26/13 18:49 | SCC | TAL TAM |
| Total/NA | Analysis | Moisture | | 1 | 136686 | 04/22/13 12:37 | AG | TAL TAM |

Client Sample ID: CV0689A-CS

Lab Sample ID: 680-89516-3

Date Collected: 04/17/13 08:30

Matrix: Solid

Date Received: 04/19/13 08:50

Percent Solids: 73.2

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 3546 | | | 136752 | 04/23/13 14:49 | SC | TAL TAM |
| Total/NA | Analysis | 8270C LL | | 1 | 136826 | 04/24/13 22:33 | SCC | TAL TAM |
| Total/NA | Analysis | Moisture | | 1 | 136686 | 04/22/13 12:37 | AG | TAL TAM |

Client Sample ID: CV0689B-CS

Lab Sample ID: 680-89516-4

Date Collected: 04/17/13 08:40

Matrix: Solid

Date Received: 04/19/13 08:50

Percent Solids: 76.8

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 3546 | | | 136752 | 04/23/13 14:49 | SC | TAL TAM |
| Total/NA | Analysis | 8270C LL | | 1 | 136826 | 04/24/13 22:56 | SCC | TAL TAM |
| Total/NA | Analysis | Moisture | | 1 | 136686 | 04/22/13 12:37 | AG | TAL TAM |

Client Sample ID: CV0689B-CSD

Lab Sample ID: 680-89516-5

Date Collected: 04/17/13 08:40

Matrix: Solid

Date Received: 04/19/13 08:50

Percent Solids: 77.9

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 3546 | | | 136752 | 04/23/13 14:49 | SC | TAL TAM |
| Total/NA | Analysis | 8270C LL | | 1 | 136826 | 04/24/13 23:18 | SCC | TAL TAM |
| Total/NA | Analysis | Moisture | | 1 | 136686 | 04/22/13 12:37 | AG | TAL TAM |

Lab Chronicle

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89516-1
 SDG: 68089516-1

Client Sample ID: CV1102A-CS

Lab Sample ID: 680-89516-6

Date Collected: 04/17/13 09:10

Matrix: Solid

Date Received: 04/19/13 08:50

Percent Solids: 77.5

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 3546 | | | 136752 | 04/23/13 14:49 | SC | TAL TAM |
| Total/NA | Analysis | 8270C LL | | 1 | 136826 | 04/24/13 23:41 | SCC | TAL TAM |
| Total/NA | Analysis | Moisture | | 1 | 136686 | 04/22/13 12:37 | AG | TAL TAM |

Client Sample ID: CV1102B-CS

Lab Sample ID: 680-89516-7

Date Collected: 04/17/13 09:20

Matrix: Solid

Date Received: 04/19/13 08:50

Percent Solids: 79.2

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 3546 | | | 136752 | 04/23/13 14:49 | SC | TAL TAM |
| Total/NA | Analysis | 8270C LL | | 4 | 136826 | 04/25/13 00:03 | SCC | TAL TAM |
| Total/NA | Analysis | Moisture | | 1 | 136686 | 04/22/13 12:37 | AG | TAL TAM |

Client Sample ID: HP0234A-CS-SP

Lab Sample ID: 680-89516-8

Date Collected: 04/17/13 11:20

Matrix: Solid

Date Received: 04/19/13 08:50

Percent Solids: 78.1

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 3546 | | | 136752 | 04/23/13 14:49 | SC | TAL TAM |
| Total/NA | Analysis | 8270C LL | | 4 | 136792 | 04/24/13 23:59 | SCC | TAL TAM |
| Total/NA | Analysis | Moisture | | 1 | 136686 | 04/22/13 12:37 | AG | TAL TAM |

Client Sample ID: HP0234B-CS-SP

Lab Sample ID: 680-89516-9

Date Collected: 04/17/13 11:30

Matrix: Solid

Date Received: 04/19/13 08:50

Percent Solids: 74.2

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 3546 | | | 136752 | 04/23/13 14:49 | SC | TAL TAM |
| Total/NA | Analysis | 8270C LL | | 1 | 136792 | 04/25/13 00:18 | SCC | TAL TAM |
| Total/NA | Analysis | Moisture | | 1 | 136686 | 04/22/13 12:37 | AG | TAL TAM |

Client Sample ID: FM0296A-CS-SP

Lab Sample ID: 680-89516-10

Date Collected: 04/17/13 09:25

Matrix: Solid

Date Received: 04/19/13 08:50

Percent Solids: 71.8

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 3546 | | | 136752 | 04/23/13 14:49 | SC | TAL TAM |
| Total/NA | Analysis | 8270C LL | | 1 | 136792 | 04/25/13 00:36 | SCC | TAL TAM |
| Total/NA | Analysis | Moisture | | 1 | 136686 | 04/22/13 12:37 | AG | TAL TAM |

Lab Chronicle

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89516-1
 SDG: 68089516-1

Client Sample ID: FM0296B-CS-SP

Lab Sample ID: 680-89516-11

Date Collected: 04/17/13 09:40

Matrix: Solid

Date Received: 04/19/13 08:50

Percent Solids: 74.1

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 3546 | | | 136752 | 04/23/13 14:49 | SC | TAL TAM |
| Total/NA | Analysis | 8270C LL | | 1 | 136792 | 04/25/13 00:55 | SCC | TAL TAM |
| Total/NA | Analysis | Moisture | | 1 | 136686 | 04/22/13 12:37 | AG | TAL TAM |

Client Sample ID: FM0296C-CS-SP

Lab Sample ID: 680-89516-12

Date Collected: 04/17/13 09:55

Matrix: Solid

Date Received: 04/19/13 08:50

Percent Solids: 73.4

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 3546 | | | 136774 | 04/24/13 09:50 | SC | TAL TAM |
| Total/NA | Analysis | 8270C LL | | 1 | 136899 | 04/25/13 18:03 | SCC | TAL TAM |
| Total/NA | Analysis | Moisture | | 1 | 136686 | 04/22/13 12:37 | AG | TAL TAM |

Client Sample ID: FM0296D-CS-SP

Lab Sample ID: 680-89516-13

Date Collected: 04/17/13 10:10

Matrix: Solid

Date Received: 04/19/13 08:50

Percent Solids: 75.7

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 3546 | | | 136774 | 04/24/13 09:50 | SC | TAL TAM |
| Total/NA | Analysis | 8270C LL | | 1 | 136899 | 04/25/13 18:26 | SCC | TAL TAM |
| Total/NA | Analysis | Moisture | | 1 | 136686 | 04/22/13 12:37 | AG | TAL TAM |

Client Sample ID: FM0296E-CS-SP

Lab Sample ID: 680-89516-14

Date Collected: 04/17/13 10:35

Matrix: Solid

Date Received: 04/19/13 08:50

Percent Solids: 84.5

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 3546 | | | 136774 | 04/24/13 09:50 | SC | TAL TAM |
| Total/NA | Analysis | 8270C LL | | 1 | 136899 | 04/25/13 18:48 | SCC | TAL TAM |
| Total/NA | Analysis | Moisture | | 1 | 136686 | 04/22/13 12:37 | AG | TAL TAM |

Client Sample ID: CV1115A-CS

Lab Sample ID: 680-89516-15

Date Collected: 04/17/13 12:45

Matrix: Solid

Date Received: 04/19/13 08:50

Percent Solids: 78.9

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 3546 | | | 136774 | 04/24/13 09:50 | SC | TAL TAM |
| Total/NA | Analysis | 8270C LL | | 1 | 136899 | 04/25/13 19:11 | SCC | TAL TAM |
| Total/NA | Analysis | Moisture | | 1 | 136686 | 04/22/13 12:37 | AG | TAL TAM |

Lab Chronicle

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89516-1
 SDG: 68089516-1

Client Sample ID: CV1115A-CSD

Lab Sample ID: 680-89516-16

Date Collected: 04/17/13 12:45

Matrix: Solid

Date Received: 04/19/13 08:50

Percent Solids: 79.6

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 3546 | | | 136774 | 04/24/13 09:50 | SC | TAL TAM |
| Total/NA | Analysis | 8270C LL | | 1 | 136899 | 04/25/13 19:33 | SCC | TAL TAM |
| Total/NA | Analysis | Moisture | | 1 | 136686 | 04/22/13 12:37 | AG | TAL TAM |

Client Sample ID: CV1115B-CS

Lab Sample ID: 680-89516-17

Date Collected: 04/17/13 12:55

Matrix: Solid

Date Received: 04/19/13 08:50

Percent Solids: 67.5

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 3546 | | | 136774 | 04/24/13 09:50 | SC | TAL TAM |
| Total/NA | Analysis | 8270C LL | | 1 | 136899 | 04/25/13 19:56 | SCC | TAL TAM |
| Total/NA | Analysis | Moisture | | 1 | 136686 | 04/22/13 12:37 | AG | TAL TAM |

Client Sample ID: CV1178A-CS

Lab Sample ID: 680-89516-18

Date Collected: 04/17/13 13:30

Matrix: Solid

Date Received: 04/19/13 08:50

Percent Solids: 86.2

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 3546 | | | 136774 | 04/24/13 09:50 | SC | TAL TAM |
| Total/NA | Analysis | 8270C LL | | 1 | 136899 | 04/25/13 20:18 | SCC | TAL TAM |
| Total/NA | Analysis | Moisture | | 1 | 136686 | 04/22/13 12:37 | AG | TAL TAM |

Client Sample ID: CV1178B-CS

Lab Sample ID: 680-89516-19

Date Collected: 04/17/13 13:40

Matrix: Solid

Date Received: 04/19/13 08:50

Percent Solids: 74.7

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 3546 | | | 136774 | 04/24/13 09:50 | SC | TAL TAM |
| Total/NA | Analysis | 8270C LL | | 1 | 136899 | 04/25/13 20:41 | SCC | TAL TAM |
| Total/NA | Analysis | Moisture | | 1 | 136686 | 04/22/13 12:37 | AG | TAL TAM |

Client Sample ID: CV1264A-CS

Lab Sample ID: 680-89516-20

Date Collected: 04/17/13 14:50

Matrix: Solid

Date Received: 04/19/13 08:50

Percent Solids: 78.8

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 3546 | | | 136774 | 04/24/13 09:50 | SC | TAL TAM |
| Total/NA | Analysis | 8270C LL | | 1 | 136899 | 04/25/13 21:03 | SCC | TAL TAM |
| Total/NA | Analysis | Moisture | | 1 | 136686 | 04/22/13 12:37 | AG | TAL TAM |

Laboratory References:

TAL TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

TestAmerica Savannah

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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Fax:

680-89516

| | | | | | |
|--|-----------------------------|--------------------------------|-------------|-------------------|-------------|
| PROJECT REFERENCE 35th Ave. Removal | PROJECT NO. 2005148-1356 | PROJECT LOCATION (STATE) AL | MATRIX TYPE | REQUIRED ANALYSIS | PAGE 1 OF 3 |
|--|-----------------------------|--------------------------------|-------------|-------------------|-------------|

(b) (6)

COMPOSITE (C) OR GRAB (G) INDICATE
AQUEOUS (WATER)
SOLID OR SEMISOLID
AIR
NONAQUEOUS LIQUID (OIL, SOLVENT, ...)

LL PAH
RCRA Metals

PRESERVATIVE

STANDARD REPORT DELIVERY

DATE DUE _____

EXPEDITED REPORT DELIVERY (SURCHARGE)

DATE DUE _____

NUMBER OF COOLERS SUBMITTED PER SHIPMENT: _____

COMPANY CONTRACTING THIS WORK (if applicable)

Page 27 of 32

| SAMPLE | | SAMPLE IDENTIFICATION | COMPOSITE (C) OR GRAB (G) INDICATE | AQUEOUS (WATER) | SOLID OR SEMISOLID | AIR | NONAQUEOUS LIQUID (OIL, SOLVENT, ...) | NUMBER OF CONTAINER | | | | REMARKS |
|---------|------|-----------------------|------------------------------------|-----------------|--------------------|-----|---------------------------------------|---------------------|---|---|---|---------|
| DATE | TIME | | | | | | | 1 | 2 | 3 | 4 | |
| 4-17-13 | 1020 | CV0117A-CS | C | X | | | X | | | | | |
| | 1030 | CV0117B-CS | C | X | | | X | X | | | | |
| | 0830 | CV0689A-CS | C | X | | | X | | | | | |
| | 0840 | CV0689B-CS | C | X | | | X | | | | | |
| | 0840 | CV0689B-CSD | C | X | | | X | | | | | |
| | 0910 | CV1102A-CS | C | X | | | X | | | | | |
| | 0920 | CV1102B-CS | C | X | | | X | | | | | |
| | 1120 | HP0234A-CS-SP | C | X | | | X | | | | | |
| | 1130 | HP0234B-CS-SP | C | X | | | X | | | | | |
| | 0925 | FM0296A-CS-SP | C | X | | | X | | | | | |
| | 0940 | FM0296B-CS-SP | C | X | | | X | | | | | |
| | 0955 | FM0296C-CS-SP | C | X | | | X | | | | | |

Company: Oneida Total Integrated Enterprise
PM: Harvey, Lisa
680-89516 Login



Loc: 680
89516

| | | | | | | | | |
|--|-----------------|--------------|--|-----------------|--------------|------------------------------|------|------|
| RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i> | DATE 4-18-13 | TIME 1130 | RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i> | DATE 4/19/13 | TIME 1730 | RELINQUISHED BY: (SIGNATURE) | DATE | TIME |
| RECEIVED BY: (SIGNATURE) <i>[Signature]</i> | DATE 4/19/13 | TIME 0830 | RECEIVED BY: (SIGNATURE) | DATE | TIME | RECEIVED BY: (SIGNATURE) | DATE | TIME |

LABORATORY USE ONLY

| | | | | | | |
|---|------|------|---|------------------|------------------|----------------------------------|
| RECEIVED FOR LABORATORY BY: (SIGNATURE) | DATE | TIME | CUSTODY INTACT YES <input type="radio"/> NO <input type="radio"/> | CUSTODY SEAL NO. | SAVANNAH LOG NO. | LABORATORY REMARKS D.60 CU-07 |
|---|------|------|---|------------------|------------------|----------------------------------|



ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Website: www.testamericainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

Alternate Laboratory Name/Location
Test Am Tampa

Phone:
Fax:

680-89516

| | | | | | |
|--|------------------------------------|---------------------------------------|-------------|-------------------|---------------------------|
| PROJECT REFERENCE <i>35th Ave Removal</i> | PROJECT NO. <i>2005148-1356</i> | PROJECT LOCATION (STATE) <i>AL</i> | MATRIX TYPE | REQUIRED ANALYSIS | PAGE <i>2</i> OF <i>3</i> |
|--|------------------------------------|---------------------------------------|-------------|-------------------|---------------------------|

(b) (6)

COMPANY CONTRACTING THIS WORK (if applicable)

COMPOSITE (C) OR GRAB (G) INDICATE
AQUEOUS (WATER)
SOLID OR SEMISOLID
AIR
NONAQUEOUS LIQUID (OIL, SOLVENT, ...)

LLPAH

PCCA & Metals

PRESERVATIVE

STANDARD REPORT DELIVERY
DATE DUE _____
EXPEDITED REPORT DELIVERY (SURCHARGE)
10 calendar days
DATE DUE _____
NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

Page 28 of 32

| SAMPLE | | SAMPLE IDENTIFICATION | COMPOSITE (C) OR GRAB (G) INDICATE | AQUEOUS (WATER) | SOLID OR SEMISOLID | AIR | NONAQUEOUS LIQUID (OIL, SOLVENT, ...) | NUMBER OF CONTAINERS SUBMITTED | | | | | | | | | | REMARKS | | | | | |
|----------------|-------------|-----------------------|------------------------------------|-------------------------------------|--------------------|-----|---------------------------------------|-------------------------------------|---|---|---|---|---|---|---|---|----|---------|--|--|--|--|--|
| DATE | TIME | | | | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | | | | | |
| <i>4-17-13</i> | <i>1010</i> | <i>FM0296D-CS-SP</i> | <input checked="" type="radio"/> | <input checked="" type="checkbox"/> | | | <input checked="" type="checkbox"/> | | | | | | | | | | | | | | | | |
| | <i>1035</i> | <i>FM0296E-CS-SP</i> | <input checked="" type="radio"/> | <input checked="" type="checkbox"/> | | | <input checked="" type="checkbox"/> | | | | | | | | | | | | | | | | |
| | <i>1245</i> | <i>CV1115A-CS</i> | <input checked="" type="radio"/> | <input checked="" type="checkbox"/> | | | <input checked="" type="checkbox"/> | | | | | | | | | | | | | | | | |
| | <i>1245</i> | <i>CV1115A-CSD</i> | <input checked="" type="radio"/> | <input checked="" type="checkbox"/> | | | <input checked="" type="checkbox"/> | | | | | | | | | | | | | | | | |
| | <i>1255</i> | <i>CV1115B-CS</i> | <input checked="" type="radio"/> | <input checked="" type="checkbox"/> | | | <input checked="" type="checkbox"/> | | | | | | | | | | | | | | | | |
| | <i>1330</i> | <i>CV1178A-CS</i> | <input checked="" type="radio"/> | <input checked="" type="checkbox"/> | | | <input checked="" type="checkbox"/> | | | | | | | | | | | | | | | | |
| | <i>1340</i> | <i>CV1178B-CS</i> | <input checked="" type="radio"/> | <input checked="" type="checkbox"/> | | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | | | | | | | | | | | | | |
| | <i>1450</i> | <i>CV1264A-CS</i> | <input checked="" type="radio"/> | <input checked="" type="checkbox"/> | | | <input checked="" type="checkbox"/> | | | | | | | | | | | | | | | | |
| | <i>1500</i> | <i>CV1264B-CS</i> | <input checked="" type="radio"/> | <input checked="" type="checkbox"/> | | | <input checked="" type="checkbox"/> | | | | | | | | | | | | | | | | |
| | <i>1510</i> | <i>CV1264C-GS</i> | <input checked="" type="radio"/> | <input checked="" type="checkbox"/> | | | <input checked="" type="checkbox"/> | | | | | | | | | | | | | | | | |
| | <i>1420</i> | <i>CV1371A-CS</i> | <input checked="" type="radio"/> | <input checked="" type="checkbox"/> | | | <input checked="" type="checkbox"/> | | | | | | | | | | | | | | | | |
| | <i>1430</i> | <i>CV1371B-CS</i> | <input checked="" type="radio"/> | <input checked="" type="checkbox"/> | | | <input checked="" type="checkbox"/> | | | | | | | | | | | | | | | | |

| | | | | | | | | |
|--|------------------------|---------------------|--|------------------------|---------------------|------------------------------|------|------|
| RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i> | DATE <i>4-18-13</i> | TIME <i>1130</i> | RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i> | DATE <i>4/19/13</i> | TIME <i>1930</i> | RELINQUISHED BY: (SIGNATURE) | DATE | TIME |
| RECEIVED BY: (SIGNATURE) <i>[Signature]</i> | DATE <i>4/19/13</i> | TIME <i>0850</i> | RECEIVED BY: (SIGNATURE) | DATE | TIME | RECEIVED BY: (SIGNATURE) | DATE | TIME |

| | | | | | | |
|---|------|------|---|------------------|------------------|--------------------|
| LABORATORY USE ONLY | | | | | | |
| RECEIVED FOR LABORATORY BY: (SIGNATURE) | DATE | TIME | CUSTODY INTACT YES <input type="radio"/> NO <input type="radio"/> | CUSTODY SEAL NO. | SAVANNAH LOG NO. | LABORATORY REMARKS |

4/30/2013



Login Sample Receipt Checklist

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-89516-1

SDG Number: 68089516-1

Login Number: 89516

List Number: 1

Creator: Daughtry, Beth

List Source: TestAmerica Savannah

| Question | Answer | Comment |
|--|--------|---------|
| Radioactivity wasn't checked or is \leq background as measured by a survey meter. | N/A | |
| The cooler's custody seal, if present, is intact. | True | |
| Sample custody seals, if present, are intact. | True | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | N/A | |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time. | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | N/A | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4"). | N/A | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | |

Login Sample Receipt Checklist

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-89516-1

SDG Number: 68089516-1

Login Number: 89516

List Number: 1

Creator: Snead, Joshua

List Source: TestAmerica Tampa

List Creation: 04/19/13 02:29 PM

| Question | Answer | Comment |
|--|--------|---------|
| Radioactivity wasn't checked or is <=/ background as measured by a survey meter. | N/A | |
| The cooler's custody seal, if present, is intact. | True | |
| Sample custody seals, if present, are intact. | True | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | True | |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time. | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | N/A | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | N/A | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | |

Certification Summary

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89516-1
 SDG: 68089516-1

Laboratory: TestAmerica Savannah

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

| Authority | Program | EPA Region | Certification ID | Expiration Date |
|-------------------------|---------------|------------|----------------------|-----------------|
| A2LA | DoD ELAP | | 0399-01 | 05-31-13 |
| Alabama | State Program | 4 | 41450 | 06-30-13 |
| Alaska (UST) | State Program | 10 | UST-104 | 06-19-13 |
| California | NELAP | 9 | 3217CA | 07-31-13 |
| Colorado | State Program | 8 | N/A | 12-31-13 |
| Florida | NELAP | 4 | E87052 | 06-30-13 |
| GA Dept. of Agriculture | State Program | 4 | N/A | 12-31-13 |
| Georgia | State Program | 4 | N/A | 06-30-13 |
| Georgia | State Program | 4 | 803 | 06-30-13 |
| Hawaii | State Program | 9 | N/A | 06-30-13 |
| Illinois | NELAP | 5 | 200022 | 11-30-13 |
| Indiana | State Program | 5 | N/A | 06-30-13 |
| Iowa | State Program | 7 | 353 | 07-01-13 |
| Kentucky | State Program | 4 | 90084 | 12-31-12 * |
| Kentucky (UST) | State Program | 4 | 18 | 03-31-13 * |
| Louisiana | NELAP | 6 | 30690 | 06-30-13 |
| Louisiana | NELAP | 6 | LA100015 | 12-31-13 |
| Maine | State Program | 1 | GA00006 | 08-16-14 |
| Maryland | State Program | 3 | 250 | 12-31-13 |
| Massachusetts | State Program | 1 | M-GA006 | 06-30-13 |
| Michigan | State Program | 5 | 9925 | 06-30-13 |
| Mississippi | State Program | 4 | N/A | 06-30-13 |
| Montana | State Program | 8 | CERT0081 | 01-01-14 |
| Nebraska | State Program | 7 | TestAmerica-Savannah | 06-30-13 |
| New Jersey | NELAP | 2 | GA769 | 06-30-13 |
| New Mexico | State Program | 6 | N/A | 06-30-13 |
| New York | NELAP | 2 | 10842 | 04-01-14 |
| North Carolina DENR | State Program | 4 | 269 | 12-31-13 |
| North Carolina DHHS | State Program | 4 | 13701 | 07-31-13 |
| Oklahoma | State Program | 6 | 9984 | 08-31-13 |
| Pennsylvania | NELAP | 3 | 68-00474 | 06-30-13 |
| Puerto Rico | State Program | 2 | GA00006 | 01-01-14 |
| South Carolina | State Program | 4 | 98001 | 06-30-13 |
| Tennessee | State Program | 4 | TN02961 | 06-30-13 |
| Texas | NELAP | 6 | T104704185-08-TX | 11-30-13 |
| USDA | Federal | | SAV 3-04 | 04-07-14 |
| Virginia | NELAP | 3 | 460161 | 06-14-13 |
| Washington | State Program | 10 | C1794 | 06-10-13 |
| West Virginia | State Program | 3 | 9950C | 12-31-13 |
| West Virginia DEP | State Program | 3 | 94 | 06-30-13 |
| Wisconsin | State Program | 5 | 999819810 | 08-31-13 |
| Wyoming | State Program | 8 | 8TMS-Q | 06-30-13 |

Laboratory: TestAmerica Tampa

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

| Authority | Program | EPA Region | Certification ID | Expiration Date |
|-----------|---------------|------------|------------------|-----------------|
| Alabama | State Program | 4 | 40610 | 06-30-13 |
| Florida | NELAP | 4 | E84282 | 06-30-13 |
| Georgia | State Program | 4 | 905 | 06-30-13 |

* Expired certification is currently pending renewal and is considered valid.

TestAmerica Savannah

Certification Summary

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89516-1
SDG: 68089516-1

Laboratory: TestAmerica Tampa (Continued)

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

| Authority | Program | EPA Region | Certification ID | Expiration Date |
|-----------|---------|------------|------------------|-----------------|
| USDA | Federal | | P330-11-00177 | 04-20-14 |

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