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PRE-INTERIM REMEDIAL MEASURE (IRM) INVESTIGATION SUMMARY REPORT

FORMER KENT AVENUE GENERATING STATION

500 KENT AVENUE
BROOKLYN, NEW YORK

PROJECT NO. 126649

August 2012

Submitted to:

Consolidated Edison Company of New York, Inc.
31-01 20th Avenue
Long Island City, New York 11105

Submitted by:

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1.0 INTRODUCTION

On behalf of Consolidated Edison Company of New York, Inc. (Con Edison), Shaw Environmental, Inc. (Shaw) has prepared this *Pre-Interim Remedial Measure (IRM) Investigation Summary Report* to present the results of subsurface assessment activities conducted by Shaw at the former Con Edison Kent Avenue Generating Station (the "Site") on May 7-11 and June 1, 2012.

The Site is located at 500 Kent Avenue, Brooklyn, Kings County, New York. The Site is bounded by Division Avenue to the north, the former Brooklyn Navy Yard to the south (formerly Nassau Gas Works, a manufactured gas plant site), Kent Avenue to the east, and Wallabout Channel (tidal tributary to the East River) to the west. A Site Location Map is provided as **Figure 1**. The total area of the Site is approximately 4 acres. It was formerly occupied by vacant 7- and 9-story structures with a footprint of approximately 2.6 acres, which formerly housed an electrical generating station. The above-ground structures were removed/demolished in 2009. The remaining 1.4 acres of the Site consist of a vacant area on the southern portion of the property (where a previously demolished portion of the generating station complex was located), a concrete walkway in the western portion, and a small concrete/unpaved side yard in the northern portion.

The Site has been the subject of previous site investigations and remedial actions related to the former generating plant operated there. In late 2011/early 2012, the Ash Pit at the northwestern portion of the Site was remediated by the removal and dewatering of sludge from the pit, disposal of dewatered sludge at off-site disposal facilities, treatment and permitted discharge of filtrate into Wallabout Channel, closure of the pit with lightweight concrete, and placement of a reinforced concrete cap over the pit.

The purpose of this investigation was to identify any Site-related petroleum/chemical impacts and discover potential light non-aqueous phase liquid (LNAPL) impacts at or below the water-table, to a minimum depth of 30 feet (ft) below ground surface (bgs), in the area between the former building foundation slab and Wallabout Channel, as shown on **Figure 2**, Pre-IRM Soil Boring Locations. The work scope and technical approach for the Site investigation are presented in Shaw's Pre-IRM Investigation Work Plan dated April 2012.

Subsurface structures remain at the Site that had an impact on the investigative tasks described in this report. In particular, the area of interest between the former building

footprint and Wallabout Channel currently contains a network of intake and discharge tunnels formerly used to bring coolant water into the power plant; a bulkhead infrastructure along Wallabout Channel on the Site's western boundary; remnants of the former building basement slab and wall footings; and an extensive timber piling system that supports these structures. The intake/discharge tunnels and corresponding tunnel headwalls (see **Figure 2**) are constructed of cast-in-place concrete, and according to cross-section drawings are (in certain locations) up to 31 ft in thickness. The bulkhead infrastructure consists of steel sheet piling with steel tiebacks in the northern portion of the Site, and a system of timber pile platforms, timber cutoff walls, and cast-in-place concrete seawall in the southern portion (**Figure 2**). The remnant basement slab (concrete) of the former building(s), ranging 2-8 ft in thickness, rests at approximately 7 ft bgs and is supported by timber piles. According to an inspection and condition survey prepared by McLaren Engineering in 2006, voids exist below the ground surface in the areas of the former intake tunnel screen wells, and in some areas where there has been a loss of fill. The soil borings described in this report were placed to avoid these subsurface structures, as well as to accommodate areas of the Site identified with restricted and limited loading safety recommendations (**Figure 2**). Actual soil boring placement in the field, therefore, may differ slightly from the boring locations proposed in the Pre-IRM Investigation Work Plan.

1.1 Site Topography and Geology

The Site is located in Kings County on the northwestern shore of Long Island. The Site is generally flat and lies at an elevation of approximately 10 ft above mean sea level. The geology of Long Island consists of varying thicknesses of Pleistocene-age glacial till, outwash sediments (consisting of fine to coarse grained sand with interstitial lenses of gravel and silt), and marine deposits, overlying a sloping bedrock surface. Bedrock elevation in the Site vicinity is approximately -100 ft NGVD (National Geodetic Vertical Datum of 1929).[1] During 2004-2005 drilling activities conducted by others associated with the former Nassau Gas Works manufactured gas plant at locations west and southwest of the southern boundary of the Site, bedrock was encountered between 103 and 108 ft (-94.04 and -97.34 ft NAVD (North American Vertical Datum of 1988)).[2]

[1] Buxton, H. T., J. Soren, A. Posner, and P. K. Shernoff, 1981. *Reconnaissance of the Ground-Water Resources of Kings and Queens Counties, New York*. United States Geological Survey Open-File Report 81-1186.
[2] GEI Consultants, *Final Remedial Investigation Report, Nassau Gas Works, Kent Avenue and Clymer Street, Brooklyn, New York*. October 2007, p. 36.

Site-specific stratigraphy was gathered during soil boring advancement activities. Based on soil collected via continuous sonic core barrel sampling, the Site is underlain by fill, fine to coarse grained sand and silty sand with some stones to a depth of at least 50 ft below ground surface (bgs). Additional information on subsurface stratigraphy is provided in **Section 3.2** below.

According to maps found in technical literature,[3] the Site location appears to be one that was landfilled sometime between 1844 and 1900. Landfills in New York City during this time period were typically composed of sediments consisting of coal ash, cinders, slag, brick, wood, and cement. This is consistent with the findings by previous Site investigations of ash, concrete, and brick, as well as sand, silt, gravel, and clay in the upper 15 ft of the soil column. The water table is at an elevation approximately level with the surface water altitude in the adjacent Wallabout Channel, and thus is likely to be influenced by tidal variations. Depth to groundwater at the Site is approximately 8 ft bgs.

2.0 SITE INVESTIGATION HISTORY

Site Investigation history has been summarized within the following documents:

- *Phase I Environmental Site Assessment Report*, H2M, September, 1999;
- *Phase II Site Investigation Report: Kent Avenue Site*, LMS, February 6, 2000;
- *Phase II Site Investigation Report Addendum: Former Kent Avenue Generating Station Facility*, LMS, February 16, 2000;
- *Site Investigation Summary Report: Consolidated Edison Former Kent Avenue Generating Station*, Shaw, April, 2007; and
- *Pre-Design Investigation Report: Former Kent Avenue Generating Station*, Shaw, June, 2010.

For a summary of the above Site investigations and assessment, refer to Shaw's Pre-IRM Investigation Work Plan dated April 2012.

[3] Landfills in New York City: 1844-1994, Walsh, D.C. and LaFleur, R.G., GROUND WATER, v. 33, No. 4, 1995.

3.0 FIELD ACTIVITIES

The field program was conducted at the Con Edison Former Kent Avenue Generating Station between May 7 and 11, 2012 (with supplemental Site restoration work performed on June 1, 2012) in accordance with the Pre-IRM Investigation Work Plan dated April 2012, and approved by Con Edison on April 17, 2012. The goal of the pre-IRM investigation field activities was to identify any petroleum/chemical impacts and discover potential LNAPL impacts at or below the water-table to a minimum depth of 30 ft bgs, in the area between the former building foundation slab and Wallabout Channel.

A summary of the work performed, including any deviations from the scope of work outlined in the work plan, is discussed in the following sections.

3.1 Underground Utility Clearance

A utility clearance was made prior to the start of intrusive work. The clearance was performed in accordance with the Utility Clearance Process for Intrusive Activities: EH&S Remediation Program, Revision 1, Con Edison, October 8, 2003. In order to identify utilities located within approximately 50 ft of Wallabout Channel along the Site's western boundary, Shaw reviewed Site drawings, "As-Built" drawings, and electrical utility plates provided by Con Edison; water and sewer maps provided by the New York City Department of Environmental Protection (NYCDEP); and survey results maps from previous geophysical surveys performed at the Site in 2006 and 2009.

A geophysical survey to locate underground utilities was performed on May 7, 2012 by NAEVA Geophysics, Inc. (NAEVA), a subcontractor to Shaw. The survey was performed using ground-penetrating radar, electromagnetic devices, and radio frequency (RF) transmission/reception. All utilities identified by the surveys were marked on the overlying ground surface with spray paint and marking flags. NAEVA developed figures showing the results of the "refreshed" geophysical survey. These figures are presented in **Attachment 1**. On May 7, 2012, a Site walk was performed to review the results of the geophysical survey, and to identify visual evidence of the presence of underground and aboveground utilities.

Also on May 7, 2012, McLaren Engineering Group (McLaren), a subcontractor to Shaw, performed a diving inspection in the area of soil boring locations **DB-1** and **DB-2**. Soil borings DB-1 and DB-2 were placed in the northwestern portion of the Site (near the

former ash pit) in close proximity to a steel sheet pile bulkhead along Wallabout Channel that is secured with tiebacks that extend into the interior of the Site. Divers were used to locate the bulkhead tie rods so the borings could be placed to avoid these features. The divers also assisted in assessing the undermined fill (void) beneath the slab in this area.

A New York City "One-Call" utility markout request was called in by the driller for the project, Aquifer Drilling and Testing, Inc. (ADT), a subcontractor to Shaw, prior to the start of Site drilling activities. At a minimum, the upper 5 ft of each boring was cleared by vacuum-powered apparatus prior to the use of drilling equipment to continue the boring. If solid concrete was present for the first 5 ft below the surface, and it was decided that the boring would not be relocated (as occurred at two soil boring locations, DB-5 and DB-6), the concrete was penetrated by slow advancement of the drill string until a 5-foot depth was reached.

3.2 Soil Borings

From May 8-11, 2012, ADT, on behalf of Con Edison and under the direction of Shaw, advanced five (5) soil borings using a Sonic Drill SDC390 sonic drill rig unit with continuous core-barrel sampling capability. The following "deep boring" (or DB) soil borings were advanced along the western boundary of the Site, as illustrated in **Figure 2**, to identify any petroleum/chemical impacts and discover potential LNAPL at or below the water-table:

- **DB-1** – Area between former building slab/footprint and Wallabout Channel, at northwestern portion of Site (near ash pit);
- **DB-2** – Area between former building slab/footprint and Wallabout Channel, at northwestern portion of Site (near north discharge tunnel);
- **DB-3** – Area between former building slab/footprint and Wallabout Channel, at west-central portion of Site (east of north discharge tunnel);
- **DB-5** – Area between former building slab/footprint and Wallabout Channel, at southwestern portion of Site (near south discharge tunnel); and
- **DB-6** – Area between former building slab/footprint and Wallabout Channel, at southwestern portion of Site (east of south discharge tunnel).

Soil boring **DB-4** was proposed for the area between the former building slab/footprint and Wallabout Channel at the west-central portion of the Site (west of the north discharge tunnel, see Figure 2); however, after coring through an 11-inch concrete slab at this

location, another layer of concrete was discovered below this. In telephone consultation with Douglas MacNeal (NYSDEC Project Manager) on May 11, 2012, and with the successful advancement of soil boring DB-3 (to 35 ft bgs) located approximately 45 ft to the east of proposed DB-4 which showed no field evidence of contamination, NYSDEC did not require the completion of DB-4.

At the **DB-1** and **DB-2** boring locations, due to undermining behind the seawall, a void existed below the ground-level slab to approximately 12-14 ft bgs. After coring through the concrete slab, the sonic drill string was lowered to the ground below (to the approximate level of the shoreline of Wallabout Channel) to begin the boring. At **DB-3**, the upper 3-4 ft of cleared material consisted of newly placed crushed rock. At boring locations **DB-5** and **DB-6**, after clearing approximately 12-18 inches of topsoil, a concrete slab and small-gauge steel rails were encountered. To avoid drilling into the former south discharge tunnel, these borings were relocated to the east (**Figure 2**).

Hand-clearing of soil boring locations using a Vactron and "air knife" began on May 8, 2012. The boring locations were cleared over a two-day period. A concrete coring machine was used to open a boring location placed on concrete. Soil cuttings from the vacuum-clearing process were examined for texture, color, and visual or olfactory evidence of contamination by a Shaw geologist. In addition, the soil cuttings were screened for the presence of volatile organic compounds (VOCs) using a photoionization detector (PID). Soil vacuuming continued to a depth of 5 ft bgs (or until concrete was encountered). No soils from the vacuum clearing process exhibited visual, olfactory, or PID evidence of contamination.

On May 10 and 11, 2012, boreholes were advanced with the Sonic Drill SDC390 unit under the supervision of a Shaw geologist. At each boring location soil samples were collected using a sonic-driven 3⅝-inch core barrel with a dedicated, internal liner. A 6-inch outer casing was advanced as necessary. Soil samples were collected continuously from 5 ft bgs until the desired depth (minimum of 30 ft bgs) was encountered.

Soils in each 10-foot core barrel were evaluated in the field for visual or olfactory evidence of contamination, screened with a PID, and described in a written log for the following: percent of recovered sample in the core barrel/internal liner, soil color, soil texture, and general soil classification under the Unified Soil Classification System. PID readings during soil boring advancement ranged from 0.0 to 465 parts per million (ppm)

with the maximum reading (465 ppm) recorded at DB-5 between 21 and 21.5 ft bgs. Soil boring logs generated during the advancement activities are provided in **Attachment 2**.

Soil samples were collected from each boring from the internal liner and inserted directly into laboratory-supplied glassware. Two to three soil samples were selected from each boring for laboratory analysis. In general, a soil sample was collected from the (vadose) zone of dry soil, if present; from the top of the saturated zone (shallowest wet sample); and from a minimum of 30 ft bgs. Selection of samples was biased toward those samples exhibiting evidence of contamination, and was based on the professional judgment of the geologist. Select photographs from the drilling program are presented in **Attachment 3**.

The soil samples were submitted for laboratory analysis of:

- NYSDEC Commissioner Policy 51 (CP-51) listed VOCs by EPA Method 8260B;
- NYSDEC CP-51 listed SVOCs by EPA Method 8270C; and
- Target Analyte List (RCRA/CP-51) Metals by EPA Methods 6010B/7471A/9012A.

Samples were picked up on May 15, 2012 by the laboratory, TestAmerica, located in Edison, New Jersey. Samples were analyzed with a 5-day turnaround time. Field operating procedures and practices conformed to the Quality Assurance Project Plan, as contained in Shaw's Pre-IRM Investigation Work Plan dated April 2012.

3.3 Waste Containment and Disposal

Investigation derived waste (IDW) streams generated during the pre-IRM investigation included:

- Drill cutting soils from sonic casing/core barrel advancement, and vacuumed soils from the boring pre-clearing process; and
- Water used as a drilling aid during sonic core barrel/casing advancement.

These wastes were containerized together in 55-gallon USDOT-approved steel drums. At the end of each work day, all open drums were sealed and were moved to the temporary onsite waste storage location at the southeastern portion of the Site (adjacent to the fence and north of the gate along Kent Avenue).

Shaw collected a composite sample from the drums on May 11, 2012 and submitted the sample to TestAmerica. The sample was analyzed for the following hazardous characteristics: RCRA 8 metals, toxicity characteristic leaching procedure (TCLP) VOCs and SVOCs, polychlorinated biphenyls (PCBs), ignitability, pH, sulfide reactivity, and cyanide reactivity. The sample laboratory results, presented in **Attachment 4**, indicated that the drummed material is non-hazardous.

Con Edison was provided the IDW sample laboratory results and the drums were labeled as non-hazardous. On May 25, 2012, Con Edison's Construction Management had the drums removed from the Site and transported for proper disposal.

4.0 ANALYTICAL REVIEW

Soil laboratory analytical data received for the soil samples collected during boring activities were compared to the NYSDEC CP-51/Part 375-6.8(b) Restricted Residential Soil Cleanup Objectives (RRSCOs) to assess potential future use scenarios for the Site.

4.1 Regulatory Criteria

NYSDEC issued its Final CP-51/Soil Cleanup Guidance document on October 21, 2010. The Guidance document states that NYSDEC's policy is that all environmental remedies be protective of human health and the environment. It also states that it is NYSDEC's preference that environmental remedies be designed such that the implementation of the final remedy results in no future land use restrictions. The Guidance document indicates that NYSDEC recognizes that it is not always feasible to return a site to a condition where no restrictions are required, and some of the NYSDEC remedial programs are predicated on future site use.

The analytical results from most previous investigations at the Site were compared to the NYSDEC Technical and Administrative Guidance Memorandum (TAGM) #4046 Recommended Soil Cleanup Objectives (RSCOs). The referenced NYSDEC CP-51 Guidance document replaces the TAGM #4046 RSCOs. The Soil Cleanup Objectives (SCOs) found in 6 NYCRR Subpart 375-6, Remedial Program Soil Cleanup Objectives, have been incorporated into the CP-51 Guidance document and are the appropriate guidance levels for use in evaluating the soil sample analytical results of the pre-IRM investigation. Given the historical "making" of land along the New York City waterfront

with a wide variety of fill materials, it is not feasible to remediate the Former Kent Avenue Generating Station property without some future land use restrictions. Since the property lies on the waterfront, the Restricted Residential SCOs were chosen as the potential highest future land use scenario for the Site.

4.2 Soil Analytical Data

A total of thirteen (13) soil samples and one (1) trip blank were submitted for laboratory analysis as follows:

Soil Boring	**No. of Samples Collected** (depth)	**Sample Analyses**
DB-1	**2** (23-23.5') (34.5-35')	CP-51 listed VOCs by EPA Method 8260B CP-51 listed SVOCs by EPA Method 8270C RCRA/CP-51 Metals by EPA Methods 6010B, 7471A, 9012A
DB-2	**2** (13.5-14') (34.5-35')	CP-51 listed VOCs by EPA Method 8260B CP-51 listed SVOCs by EPA Method 8270C RCRA/CP-51 Metals by EPA Methods 6010B, 7471A, 9012A
DB-3	**2** (20.5-21') (30.5-31')	CP-51 listed VOCs by EPA Method 8260B CP-51 listed SVOCs by EPA Method 8270C RCRA/CP-51 Metals by EPA Methods 6010B, 7471A, 9012A
DB-5	**3** (21-21.5') (35-35.5') (49.5-50')	CP-51 listed VOCs by EPA Method 8260B CP-51 listed SVOCs by EPA Method 8270C RCRA/CP-51 Metals by EPA Methods 6010B, 7471A, 9012A
DB-6	**1** (29.5-30')	CP-51 listed SVOCs by EPA Method 8270C RCRA/CP-51 Metals by EPA Methods 6010B, 7471A, 9012A
DB-6	**1** (30-30.5')	CP-51 listed VOCs by EPA Method 8260B
DB-6	**2** (15-15.5') (39.5-40')	CP-51 listed VOCs by EPA Method 8260B CP-51 listed SVOCs by EPA Method 8270C RCRA/CP-51 Metals by EPA Methods 6010B, 7471A, 9012A

The analytical results for VOCs are summarized in **Table 1**. The analytical results for SVOCs are summarized in **Table 2**. The analytical results for Metals are summarized in **Table 3**. Results in **bold** and red highlight exceed applicable NYSDEC CP-51/Part 375-6.8(b) RRSCOs. The laboratory analytical data package, prepared under the

requirements for the NYSDEC Analytical Services Protocol (ASP) Category B deliverable, is included as **Attachment 5**.

4.3 Volatile Organic Compound Findings

A review of the soil sample analytical results on **Table 1** did not identify VOC concentrations in excess of the applicable CP-51/Part 375-6.8(b) RRSCOs in any of the soil samples. Elevated concentrations of Styrene, Isopropylbenzene, Benzene, Toluene, o-Xylene, Ethylbenzene, Methylcyclohexane, m&p-Xylene, 1,2,4-Trimethylbenzene, n-Propylbenzene, 1,3,5-Trimethylbenzene, and p-Isopropyltoluene were detected in DB-6 (30-30.5') but were below RRSCOs.

Of note, as indicated on the soil boring log for DB-5, the elevated PID reading (465 ppm) at the DB-5 (21-21.5') depth interval is likely due to the single compound Methylcyclohexane reported at 3,600 ppb (see **Table 1**).

4.4 Semivolatile Organic Compound Findings

A review of the soil sample analytical results on **Table 2** identified two and four SVOC concentrations in excess of applicable CP-51/Part 375-6.8(b) RRSCOs in two of the soil samples, DB-1 (34.5-35') and DB-6 (29.5-30'), respectively.

Elevated concentrations of additional SVOCs were also identified in the above noted soil samples DB-1 (34.5-35') and DB-6 (29.5-30'), as well as in soil samples DB-2 (13.5-14') and DB-6 (15-15.5'), however these concentrations were below RRSCOs.

4.4.1 SVOC Restricted Residential SCO Exceedances

As highlighted in **Table 2** and as shown on **Figure 3**, Benzo[a]anthracene and Indeno[1,2,3-cd]pyrene concentrations in excess of applicable RRSCOs were identified in soil sample DB-1 (34.5-35'). Benzo[a]anthracene, Benzo[a]pyrene, Benzo[b]fluoranthene, and Indeno[1,2,3-cd]pyrene concentrations in excess of applicable RRSCOs were identified in soil sample DB-6 (29.5-30').

When the analytical results are compared to the NYSDEC CP-51/Part 375-6.8(b) Commercial Soil Cleanup Objectives (CSCOs), only one of the above SVOC compounds, Benzo[a]pyrene, is in excess of applicable CSCOs. When the results are

compared to the NYSDEC CP-51/Part 375-6.8(b) Industrial Soil Cleanup Objectives (ISCOs), none of the SVOCs concentrations is in excess of applicable ISCOs.

4.5 Metals Findings

A review of the soil sample analytical results on **Table 3** identified one Metals concentration in excess of applicable CP-51/Part 375-6.8(b) RRSCOs in one of the soil samples, DB-1 (34.5-35').

Elevated concentrations of additional Metals were also identified in the above noted soil sample DB-1 (34.5-35'), as well as in soil sample DB-6 (39.5-40'), however these concentrations were below RRSCOs.

4.5.1 Metals Restricted Residential SCO Exceedance

As highlighted in **Table 3** and as shown on **Figure 3**, an Arsenic concentration in excess of applicable RRSCOs was identified in soil sample DB-1 (34.5-35'). This soil sample showed an Arsenic level of 17.8 milligrams per kilogram (mg/Kg) or ppm; the applicable RRSCO is 16 ppm. The range of Eastern USA Background Arsenic concentrations, provided in the NYSDEC TAGM #4046 RSCOs, is between 3 and 12 ppm.

5.0 ANALYTICAL SUMMARY

As discussed in **Section 4.3** above, none of the VOC concentrations detected in the soil samples were in excess of the applicable CP-51/Part 375-6.8(b) RRSCOs.

5.1 Restricted Residential Soil Cleanup Objectives

As discussed in **Section 4.4** above, two SVOC concentrations (Benzo[a]anthracene and Indeno[1,2,3-cd]pyrene) in excess of applicable RRSCOs were identified in soil sample DB-1 (34.5-35'), and four SVOC concentrations (Benzo[a]anthracene, Benzo[a]pyrene, Benzo[b]fluoranthene, and Indeno[1,2,3-cd]pyrene) in excess of applicable RRSCOs were identified in soil sample DB-6 (29.5-30').

As discussed in **Section 4.5** above, one Metals concentration (Arsenic) in excess of applicable RRSCOs was identified in soil sample DB-1 (34.5-35').

6.0 CONCLUSIONS AND RECOMMENDATIONS

Information gathered during the pre-IRM field activities did not identify LNAPL impacts at or below the water-table at the Site, to soil boring depths ranging from 35 to 50 ft bgs, in the area between the former building foundation slab and Wallabout Channel.

Based on soil analytical results obtained during the pre-IRM investigation, no VOC concentrations in excess of applicable NYSDEC CP-51/Part 375-6.8(b) RRSCOs were identified in any of the soil samples collected during soil boring activities. Two SVOC concentrations and one Metals concentration in excess of applicable RRSCOs were identified in soil sample DB-1 (34.5-35') collected at the northwestern portion of the Site; and four SVOC concentrations in excess of applicable RRSCOs were identified in soil sample DB-6 (29.5-30') collected at the southwestern portion of the Site. The SVOCs identified in excess of RRSCOs are polycyclic aromatic hydrocarbons (PAHs), which occur in oil, coal, and tar deposits, and are produced as byproducts of fuel burning.

As a result of the above described SVOC concentrations in soils identified in excess of applicable RRSCOs at the 30-35 ft depth interval at two locations at the Site, Shaw recommends that a *Site Management Plan* (SMP) be developed per the requirements outlined in NYSDEC DER-10/Technical Guidance for Site Investigation and Remediation (dated May 3, 2010).

The SMP should address 1) the environmental, health, and safety hazards of contamination remaining at the Site; 2) the need and implementation of applicable engineering controls, such as the design and installation of a vapor barrier and sub-slab depressurization system (SSDS) beneath any future structures constructed at the Site, particularly if the building has a basement; and 3) the development of an operation, maintenance, and monitoring plan for any engineering controls employed at the Site to assure continued effectiveness.

Note that the conclusions and recommendations presented above are dependent on and may be revised by the results of the upcoming interim remedial measure (IRM) planned for the Site, as outlined in Shaw's IRM Remedial Action Work Plan (RAWP) dated September 2012.

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TABLES

Table 1
Con Edison Kent Ave
Pre-IRM Investigation
Summary of VOC Results

Sample ID:			DB-1 23-23.5'		DB-1 34.5-35'		DB-2 13.5-14'		DB-2 34.5-35'		DB-3 20.5-21'		DB-3 30.5-31'		DB-5 21-21.5'		DB-5 35-35.5'		DB-5 49.5-50'		DB-6 15-15.5'		DB-6 30-30.5'		DB-6 39.5-40'		Part 375-6.8(b) Restricted Residential Soil Cleanup Objective (µg/Kg)
Sample Date:			5/10/2012		5/10/2012		5/10/2012		5/10/2012		5/10/2012		5/10/2012		5/11/2012		5/11/2012		5/11/2012		5/11/2012		5/11/2012		5/11/2012		
Analyte	Analytical Method	Units																									
Carbon disulfide	8260B	µg/Kg	3.7		3.6		3.9		3.7		3.1		0.63	J	ND	U	0.86	J	0.21	J	3.1		ND	U	ND	U	NE
Tetrachloroethene	8260B	µg/Kg	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	19,000
1,2-Dichloropropane	8260B	µg/Kg	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	NE
4-Methyl-2-pentanone	8260B	µg/Kg	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	NE
1,1,2-Trichloro-1,2,2-trichfluoroethane	8260B	µg/Kg	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	NE
Dibromochloromethane	8260B	µg/Kg	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	NE
1,2,4-Trichlorobenzene	8260B	µg/Kg	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	NE
Styrene	8260B	µg/Kg	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	1500		1.8		NE
1,2,3-Trichlorobenzene	8260B	µg/Kg	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	NE
1,1,2,2-Tetrachloroethane	8260B	µg/Kg	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	NE
Chloroethane	8260B	µg/Kg	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	NE
2-Butanone	8260B	µg/Kg	6.2	J	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	6.3	J	ND	U	ND	U	100,000
Isopropylbenzene	8260B	µg/Kg	0.88	J	0.35	J	ND	U	ND	U	ND	U	ND	U	75	J	ND	U	ND	U	ND	U	430		0.18	J	NE
1,1,1-Trichloroethane	8260B	µg/Kg	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	100,000
Benzene	8260B	µg/Kg	0.25	J	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	0.82	J	ND	U	ND	U	640		0.62	J	4,800
cis-1,3-Dichloropropene	8260B	µg/Kg	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	NE
Bromochloromethane	8260B	µg/Kg	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	NE
Bromoform	8260B	µg/Kg	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	NE
1,1-Dichloroethane	8260B	µg/Kg	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	26,000
1,2-Dichloroethane	8260B	µg/Kg	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	3,100
1,1,2-Trichloroethane	8260B	µg/Kg	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	NE
Acetone	8260B	µg/Kg	80	B	62	B	35	B	42	B	42	B	9.1	J B	ND	U	39	B	54	B	55	B	ND	U	49	B	100,000
Methyl acetate	8260B	µg/Kg	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	NE
Dichlorodifluoromethane	8260B	µg/Kg	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	NE
Methylene Chloride	8260B	µg/Kg	3.3	B	5.9	B	2	B	1.2	B	3.3	B	5	B	ND	U	1.3	B	1.9	B	2.3	B	ND	U	2.4	B	100,000
Chloromethane	8260B	µg/Kg	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	NE
Bromomethane	8260B	µg/Kg	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	NE
Toluene	8260B	µg/Kg	0.38	J B	0.51	J B	0.28	J B	0.24	J B	ND	U	ND	U	ND	U	0.83	J B	0.3	J B	0.23	J B	420		1.9	B	100,000
o-Xylene	8260B	µg/Kg	0.35	J	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	2.1		ND	U	ND	U	3500		8		100,000[a]
Chlorobenzene	8260B	µg/Kg	1.2		1.5		ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	100,000

NOTES:

Units are in micrograms per kilogram (µg/Kg) = parts per billion (ppb).

[a] - This restricted residential soil cleanup objective is for mixed (or total) Xylenes.

ND - Not detected. The analyte was not detected above the method detection limit (MDL).

U - Indicates the analyte was analyzed for but not detected (see "ND" above).

J - Result is less than the reporting limit (RL) but greater than or equal to the MDL and the concentration is an approximate value.

B - Compound was found in the (method or leachate) blank and sample.

NE - Not established. This compound is not listed in Part 375-6.8(b), nor is there a restricted residential soil cleanup objective established for this compound in the supplemental soil cleanup objectives in CP-51.

Table 1 (Continued)
Con Edison Kent Ave
Pre-IRM Investigation
Summary of VOC Results

Sample ID:			DB-1 23-23.5'		DB-1 34.5-35'		DB-2 13.5-14'		DB-2 34.5-35'		DB-3 20.5-21'		DB-3 30.5-31'		DB-5 21-21.5'		DB-5 35-35.5'		DB-5 49.5-50'		DB-6 15-15.5'		DB-6 30-30.5'		DB-6 39.5-40'		Part 375-6.8(b) Restricted Residential Soil Cleanup Objective (µg/Kg)
Sample Date:			5/10/2012		5/10/2012		5/10/2012		5/10/2012		5/10/2012		5/10/2012		5/11/2012		5/11/2012		5/11/2012		5/11/2012		5/11/2012		5/11/2012		
Analyte	Analytical Method	Units																									
1,2-Dibromo-3-Chloropropane	8260B	µg/Kg	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	NE
1,3-Dichlorobenzene	8260B	µg/Kg	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	49,000
MTBE	8260B	µg/Kg	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	100,000
trans-1,2-Dichloroethene	8260B	µg/Kg	0.36	J	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	100,000
1,4-Dioxane	8260B	µg/Kg	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	13,000
1,1-Dichloroethene	8260B	µg/Kg	ND	U	0.26	J	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	100,000
1,2-Dichlorobenzene	8260B	µg/Kg	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	100,000
Trichloroethene	8260B	µg/Kg	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	21,000
2-Hexanone	8260B	µg/Kg	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	NE
Ethylbenzene	8260B	µg/Kg	9.5		0.31	J	ND	U	ND	U	ND	U	ND	U	ND	U	3.7		ND	U	ND	U	7200		11		41,000
Methylcyclohexane	8260B	µg/Kg	ND	U	0.27	J	ND	U	ND	U	ND	U	ND	U	3600		ND	U	ND	U	ND	U	110	J	ND	U	NE
Trichlorofluoromethane	8260B	µg/Kg	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	NE
Cyclohexane	8260B	µg/Kg	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	81	J	ND	U	NE
trans-1,3-Dichloropropene	8260B	µg/Kg	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	NE
cis-1,2-Dichloroethene	8260B	µg/Kg	ND	U	2.2		ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	100,000
Chloroform	8260B	µg/Kg	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	49,000
m&p-Xylene	8260B	µg/Kg	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	1.5	J	ND	U	ND	U	5100		4.9		100,000[a]
Vinyl chloride	8260B	µg/Kg	ND	U	0.93	J	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	900
1,2-Dibromoethane	8260B	µg/Kg	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	NE
Carbon tetrachloride	8260B	µg/Kg	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	2,400
1,4-Dichlorobenzene	8260B	µg/Kg	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	13,000
Bromodichloromethane	8260B	µg/Kg	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	NE
n-Butylbenzene	8260B	µg/Kg	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	39	J	ND	U	ND	U	ND	U	ND	U	ND	U	100,000
1,2,4-Trimethylbenzene	8260B	µg/Kg	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	2.4		ND	U	ND	U	8100		6.1		52,000
sec-Butylbenzene	8260B	µg/Kg	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	56	J	ND	U	ND	U	ND	U	36	J	ND	U	100,000
N-Propylbenzene	8260B	µg/Kg	0.75	J	ND	U	ND	U	ND	U	ND	U	ND	U	73	J	0.18	J	ND	U	ND	U	510		0.42	J	100,000
1,3,5-Trimethylbenzene	8260B	µg/Kg	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	0.68	J	ND	U	ND	U	3000		1.6		52,000
tert-Butylbenzene	8260B	µg/Kg	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	20	J	ND	U	ND	U	ND	U	ND	U	ND	U	100,000
p-Isopropyltoluene	8260B	µg/Kg	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	420		0.18	J	NE

NOTES:

Units are in micrograms per kilogram (µg/Kg) = parts per billion (ppb).

[a] - This restricted residential soil cleanup objective is for mixed (or total) Xylenes.

ND - Not detected. The analyte was not detected above the method detection limit (MDL).

U - Indicates the analyte was analyzed for but not detected (see "ND" above).

J - Result is less than the reporting limit (RL) but greater than or equal to the MDL and the concentration is an approximate value.

B - Compound was found in the (method or leachate) blank and sample.

NE - Not established. This compound is not listed in Part 375-6.8(b), nor is there a restricted residential soil cleanup objective established for this compound in the supplemental soil cleanup objectives in CP-51.

Table 2
Con Edison Kent Ave
Pre-IRM Investigation
Summary of SVOC Results

Sample ID:			DB-1 23-23.5'		DB-1 34.5-35'		DB-2 13.5-14'		DB-2 34.5-35'		DB-3 20.5-21'		DB-3 30.5-31'		DB-5 21-21.5'		DB-5 35-35.5'		DB-5 49.5-50'		DB-6 15-15.5'		DB-6 29.5-30'		DB-6 39.5-40'		Part 375-6.8(b) Restricted Residential Soil Cleanup Objective (µg/Kg)
Sample Date:			5/10/2012		5/10/2012		5/10/2012		5/10/2012		5/10/2012		5/10/2012		5/11/2012		5/11/2012		5/11/2012		5/11/2012		5/11/2012		5/11/2012		
Analyte	Analytical Method	Units																									
1,2,4,5-Tetrachlorobenzene	8270C	µg/Kg	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	NE
2,2'-oxybis[1-chloropropane]	8270C	µg/Kg	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	NE
2,3,4,6-Tetrachlorophenol	8270C	µg/Kg	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	NE
N-Nitrosodiphenylamine	8270C	µg/Kg	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	5	ND	U	NE
Hexachlorocyclopentadiene	8270C	µg/Kg	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	NE
2,4-Dimethylphenol	8270C	µg/Kg	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	NE
2,6-Dinitrotoluene	8270C	µg/Kg	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	NE
Aniline	8270C	µg/Kg	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	100,000[a]
2,4-Dinitrotoluene	8270C	µg/Kg	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	NE
Bis(2-ethylhexyl) phthalate	8270C	µg/Kg	ND	U	5400		ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	NE
Benzoic acid	8270C	µg/Kg	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	NE
2-Chloronaphthalene	8270C	µg/Kg	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	NE
Butyl benzyl phthalate	8270C	µg/Kg	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	NE
2-Chlorophenol	8270C	µg/Kg	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	NE
Di-n-butyl phthalate	8270C	µg/Kg	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	NE
2,4-Dichlorophenol	8270C	µg/Kg	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	NE
Diethyl phthalate	8270C	µg/Kg	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	NE
2,4-Dinitrophenol	8270C	µg/Kg	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	NE
2-Methylphenol	8270C	µg/Kg	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	100,000
Dimethyl phthalate	8270C	µg/Kg	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	NE
Di-n-octyl phthalate	8270C	µg/Kg	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	NE
3,3'-Dichlorobenzidine	8270C	µg/Kg	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	NE
Hexachlorobenzene	8270C	µg/Kg	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	1,200
Isophorone	8270C	µg/Kg	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	NE
2-Methylnaphthalene	8270C	µg/Kg	ND	U	66	J	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	410	J	ND	U	NE
4,6-Dinitro-2-methylphenol	8270C	µg/Kg	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	NE
2-Nitroaniline	8270C	µg/Kg	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	NE
4-Bromophenyl phenyl ether	8270C	µg/Kg	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	NE
3-Nitroaniline	8270C	µg/Kg	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	NE
4-Chloro-3-methylphenol	8270C	µg/Kg	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	NE
Nitrobenzene	8270C	µg/Kg	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	15,000[a]
2-Nitrophenol	8270C	µg/Kg	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	NE
4-Chlorophenyl phenyl ether	8270C	µg/Kg	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	NE
4-Methylphenol	8270C	µg/Kg	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	100,000
4-Nitrophenol	8270C	µg/Kg	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	NE

NOTES:
Units are in micrograms per kilogram (µg/Kg) = parts per billion (ppb).
[a] - This restricted residential soil cleanup objective is not listed in Part 375-6.8(b), but is included in the supplemental soil cleanup objectives listed in CP-51.
ND - Not detected. The analyte was not detected above the method detection limit (MDL).
U - Indicates the analyte was analyzed for but not detected (see "ND" above).
J - Result is less than the reporting limit (RL) but greater than or equal to the MDL and the concentration is an approximate value.
NE - Not established. This compound is not listed in Part 375-6.8(b), nor is there a restricted residential soil cleanup objective established for this compound in the supplemental soil cleanup objectives in CP-51.
Values in **BOLD** and highlighted in red exceed the regulatory levels.

Table 2 (Continued)
Con Edison Kent Ave
Pre-IRM Investigation
Summary of SVOC Results

Sample ID:			DB-1 23-23.5'		DB-1 34.5-35'		DB-2 13.5-14'		DB-2 34.5-35'		DB-3 20.5-21'		DB-3 30.5-31'		DB-5 21-21.5'		DB-5 35-35.5'		DB-5 49.5-50'		DB-6 15-15.5'		DB-6 29.5-30'		DB-6 39.5-40'		Part 375-6.8(b) Restricted Residential Soil Cleanup Objective (µg/Kg)
Sample Date:			5/10/2012		5/10/2012		5/10/2012		5/10/2012		5/10/2012		5/10/2012		5/11/2012		5/11/2012		5/11/2012		5/11/2012		5/11/2012		5/11/2012		
Analyte	Analytical Method	Units																									
2,4,5-Trichlorophenol	8270C	µg/Kg	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	NE
4-Nitroaniline	8270C	µg/Kg	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	NE
2,4,6-Trichlorophenol	8270C	µg/Kg	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	NE
4-Chloroaniline	8270C	µg/Kg	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	NE
Acenaphthene	8270C	µg/Kg	ND	U	420		86	J	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	2800		ND	U	100,000
Acenaphthylene	8270C	µg/Kg	ND	U	99	J	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	7000		ND	U	100,000
Acetophenone	8270C	µg/Kg	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	NE
Anthracene	8270C	µg/Kg	ND	U	280	J	110	J	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	6100		ND	U	100,000
Benzo[a]anthracene	8270C	µg/Kg	ND	U	**1000**		280		ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	70		**2800**		ND	U	1,000
Atrazine	8270C	µg/Kg	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	NE
Benzo[a]pyrene	8270C	µg/Kg	ND	U	880		230		ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	110		**1800**		ND	U	1,000
Benzaldehyde	8270C	µg/Kg	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	NE
Benzo[b]fluoranthene	8270C	µg/Kg	ND	U	820		260		ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	69		**1300**		ND	U	1,000
Benzo[g,h,i]perylene	8270C	µg/Kg	ND	U	530		160	J	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	74	J	600	J	ND	U	100,000
Benzo[k]fluoranthene	8270C	µg/Kg	ND	U	340		130		ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	460		ND	U	3,900
Chrysene	8270C	µg/Kg	ND	U	1000		290		ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	66	J	2700		ND	U	3,900
Dibenz(a,h)anthracene	8270C	µg/Kg	ND	U	110		43		ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	190		ND	U	330
Fluoranthene	8270C	µg/Kg	ND	U	1100		630		ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	5800		ND	U	100,000
Fluorene	8270C	µg/Kg	ND	U	120	J	59	J	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	6600		ND	U	100,000
Bis (2-chloroethoxy) methane	8270C	µg/Kg	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	NE
Indeno[1,2,3-cd]pyrene	8270C	µg/Kg	ND	U	**530**		160		ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	51		**630**		ND	U	500
Bis(2-chloroethyl)ether	8270C	µg/Kg	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	NE
Phenanthrene	8270C	µg/Kg	ND	U	720		460		ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	21000		ND	U	100,000
Pyrene	8270C	µg/Kg	ND	U	1600		540		ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	110	J	7500		ND	U	100,000
Caprolactam	8270C	µg/Kg	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	NE
Carbazole	8270C	µg/Kg	ND	U	96	J	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	NE
Dibenzofuran	8270C	µg/Kg	ND	U	55	J	47	J	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	680	J	ND	U	NE
Diphenyl	8270C	µg/Kg	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	2300		ND	U	NE
Hexachlorobutadiene	8270C	µg/Kg	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	NE
Hexachloroethane	8270C	µg/Kg	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	NE
Naphthalene	8270C	µg/Kg	ND	U	130	J	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	5400		150	J	100,000
N-Nitrosodi-n-propylamine	8270C	µg/Kg	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	NE
Pentachlorophenol	8270C	µg/Kg	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	6,700
Phenol	8270C	µg/Kg	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	100,000
3&4 Methylphenol	8270C	µg/Kg	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	100,000

NOTES:
Units are in micrograms per kilogram (µg/Kg) = parts per billion (ppb).
[a] - This restricted residential soil cleanup objective is not listed in Part 375-6.8(b), but is included in the supplemental soil cleanup objectives listed in CP-51.
ND - Not detected. The analyte was not detected above the method detection limit (MDL).
U - Indicates the analyte was analyzed for but not detected (see "ND" above).
J - Result is less than the reporting limit (RL) but greater than or equal to the MDL and the concentration is an approximate value.
NE - Not established. This compound is not listed in Part 375-6.8(b), nor is there a restricted residential soil cleanup objective established for this compound in the supplemental soil cleanup objectives in CP-51.
Values in **BOLD** and highlighted in red exceed the regulatory levels.

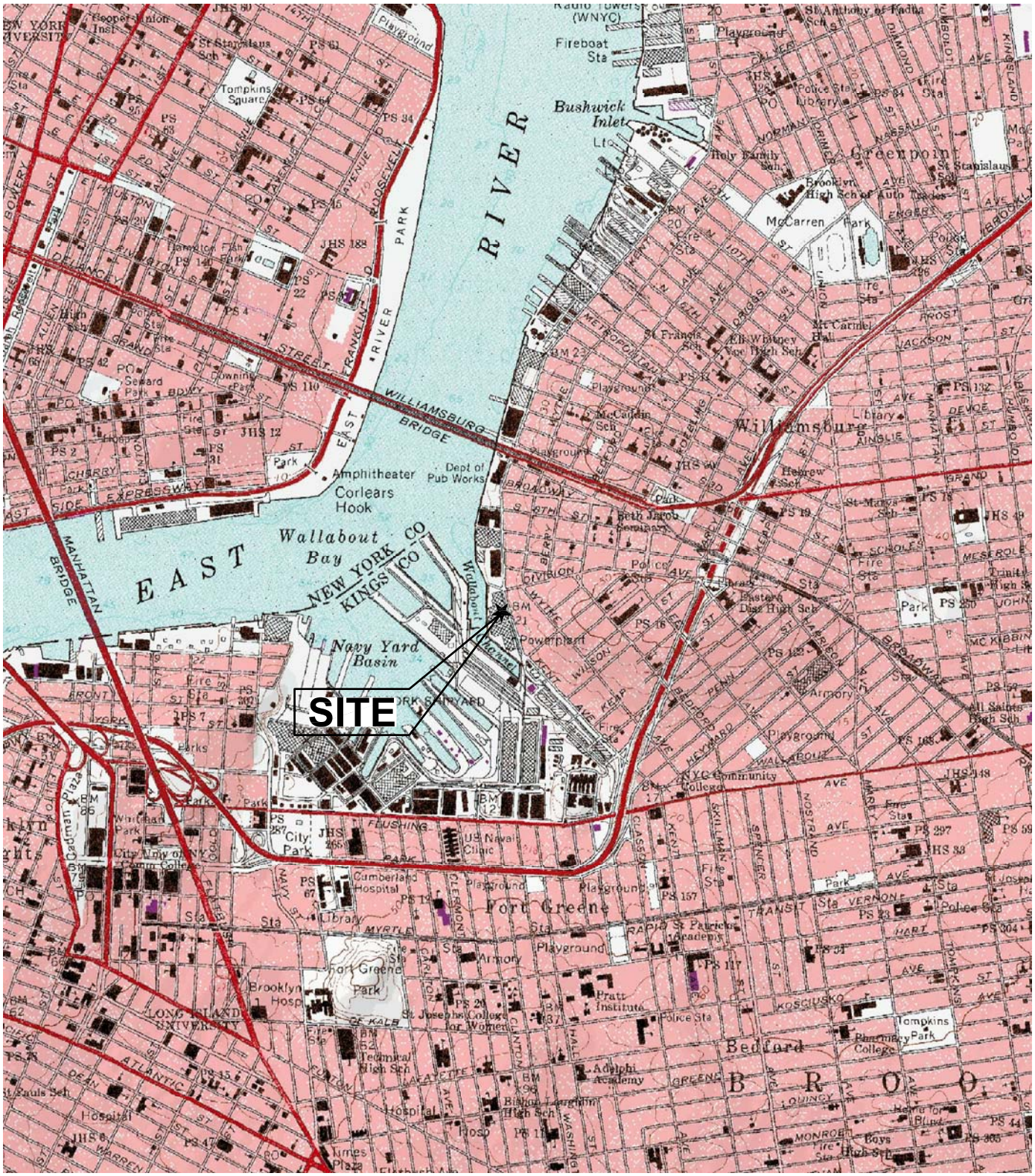
Table 3
Con Edison Kent Ave
Pre-IRM Investigation
Summary of Metal Results

Sample ID:			DB-1 23-23.5'		DB-1 34.5-35'		DB-2 13.5-14'		DB-2 34.5-35'		DB-3 20.5-21'		DB-3 30.5-31'		DB-5 21-21.5'		DB-5 35-35.5'		DB-5 49.5-50'		DB-6 15-15.5'		DB-6 29.5-30'		DB-6 39.5-40'		Part 375-6.8(b) Restricted Residential Soil Cleanup Objective (mg/Kg)
Sample Date:			5/10/2012		5/10/2012		5/10/2012		5/10/2012		5/10/2012		5/10/2012		5/11/2012		5/11/2012		5/11/2012		5/11/2012		5/11/2012		5/11/2012		
Analyte	Analytical Method	Units																									
Arsenic	6010B	mg/Kg	5.2		**17.8**		14.4		5.1		2.5		2.5		3.9		3		1.8		5.9		4.8		4.5		16
Barium	6010B	mg/Kg	33.7	J	55.5		84.1		70.8		13.9	J	41.7	J	24.6	J	102		48.2		28.1	J	23.5	J	219		400
Beryllium	6010B	mg/Kg	0.15	J	0.26	J	0.42		0.29	J	ND	U	0.24	J	0.35	J	0.53		0.21	J	0.43	J	0.28	J	0.8		72
Cadmium	6010B	mg/Kg	ND	U	0.42	J	0.48	J	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	0.18	J	4.3
Chromium, hexavalent	6010B	mg/Kg	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	110
Chromium, trivalent[1]	6010B	mg/Kg	7.2		90.4		22.1		24.9		10.1		17.9		10.9		30.8		11.6		43.1		15.3		51.7		180
Cobalt	6010B	mg/Kg	3.3	J	4.1	J	5	J	8.2	J	3.2	J	6.2	J	5.9	J	11.4		5.1	J	6.3	J	6.1	J	20.1		NE
Copper	6010B	mg/Kg	6.9		114		37.9		50.5		7.2		21.1		19.8		26.7		14.1		19.6		21.5		40.1		270
Iron	6010B	mg/Kg	8600		20200		15300		28600		10700		18700		15000		25000		15100		28400		19100		37500		NE
Lead	6010B	mg/Kg	2.9		244		91.9		7.9		9.4		6.6		18.6		11.2		4.9		51.4		5.5		14.9		400
Manganese	6010B	mg/Kg	113		380		217		460		93.7		350		189		524		321		301		147		608		2,000
Nickel	6010B	mg/Kg	7.4	J	32.3		18.5		18.3		7.7	J	14.5		11.6		28		11.9		14.8		12.6		51.9		310
Selenium	6010B	mg/Kg	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	180
Silver	6010B	mg/Kg	ND	U	0.51	J	0.38	J	0.37	J	ND	U	ND	U	ND	U	0.35	J	ND	U	ND	U	ND	U	0.82	J	180
Vanadium	6010B	mg/Kg	12.5		11.1	J	22.9		45.9		15.7		25.2		15.2		35.7		20.4		29.5		25.8		55		NE
Zinc	6010B	mg/Kg	15.9		112		87.5		43.4		19.4		34		40.2		70.9		26.2		77.7		31.8		98.1		10,000
Mercury	7471A	mg/Kg	ND	U	0.27		0.041		ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	0.14		ND	U	ND	U	0.81
Cyanide, Total	9012A	mg/Kg	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	27

NOTES:
Units are in milligrams per kilogram (mg/Kg) = parts per million (ppm).
[1] - Trivalent Chromium concentration is the reported Total Chromium minus Hexavalent Chromium. Since no Hexavalent Chromium was detected, the Total Chromium concentration has been reported as the Trivalent Chromium concentration.
ND - Not detected. The analyte was not detected above the method detection limit (MDL).
U - Indicates the analyte was analyzed for but not detected (see "ND" above).
J - Result is less than the reporting limit (RL) but greater than or equal to the MDL and the concentration is an approximate value.
NE - Not established. This compound is not listed in Part 375-6.8(b), nor is there a restricted residential soil cleanup objective established for this compound in the supplemental soil cleanup objectives in CP-51.
Values in **BOLD** and highlighted in red exceed the regulatory levels.

FIGURES

OFFICE NEW YORK, NY | DRAWING NUMBER FIGURE 1



VERIFY SCALE 0 1"

APPROXIMATE SCALE

0 2000 4000 6000 FEET

N

REFERENCE:
7.5 MINUTE SERIES TOPOGRAPHIC MAP OF BROOKLYN, NY
USGS GEOLOGICAL SURVEY, 1966, 1927 NORTH AMERICAN DATUM

Shaw Environmental, Inc.

DESIGNED BY: S. SHATZ	CON EDISON
DRAWN BY: S. SHATZ	LONG ISLAND CITY, NEW YORK
CHECKED BY: D. GREFFENIUS	SITE LOCATION MAP
	FORMER KENT AVENUE GENERATING STATION 500 KENT AVENUE, BROOKLYN, NEW YORK

APPROVED BY:	DATE:	SCALE:	DRAWING NO.	REV NO.
J. FRANCESCON	06/22/12	AS SHOWN	FIGURE 1	-

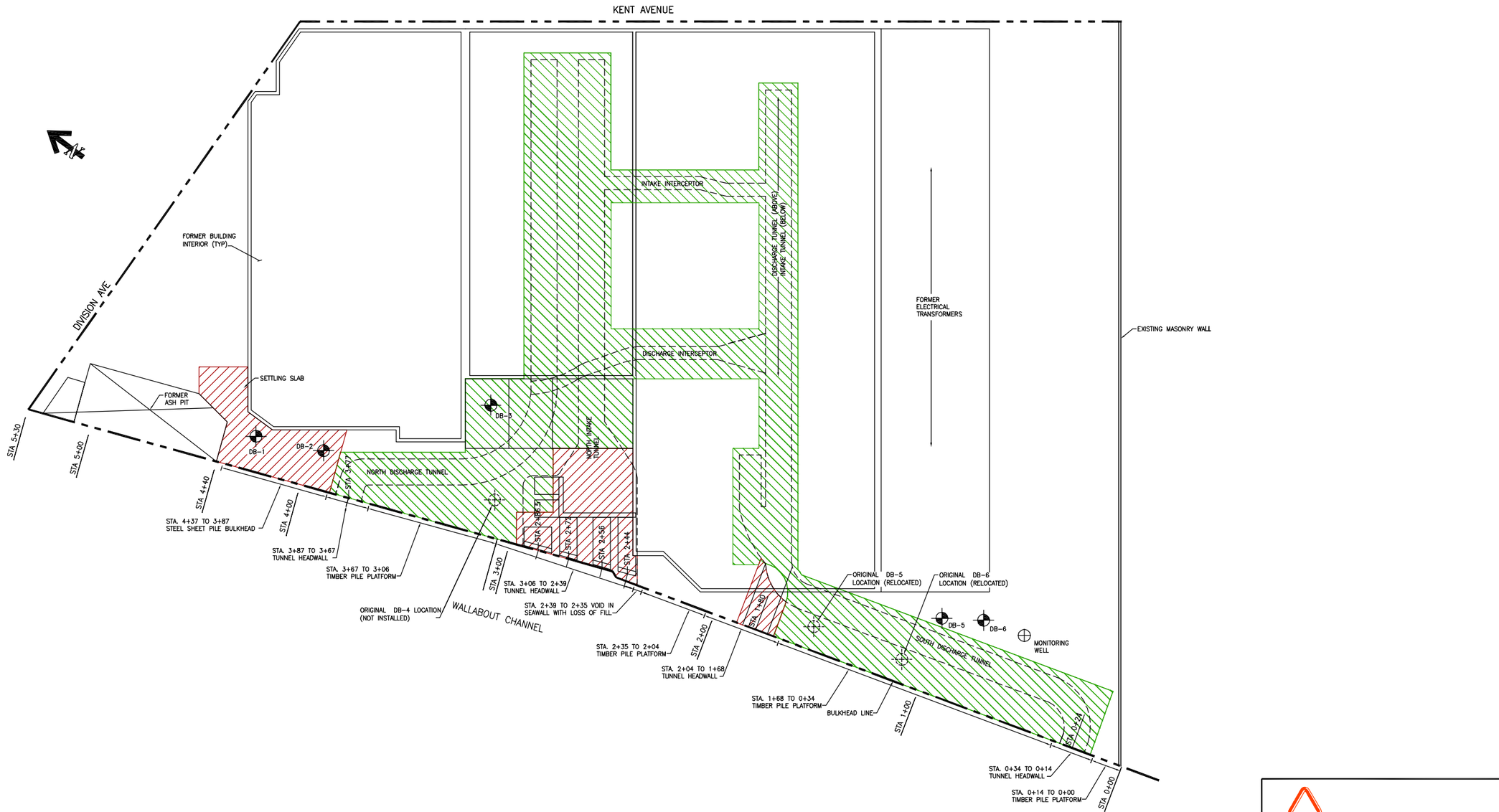
File: V:\— CLIENT\Con Edison\126649 Kent Ave\Working\CAD\RM\pre-IRM borings\IRM borings Figure 1.dwg
Plot Date/Time: Jun 22, 2012 - 10:09am
Plotted By: sara.shatz

FIGURE 2

DRAWING NUMBER

OFFICE NEW YORK, NY

VERIFY SCALE 0 1/2"



LEGEND

- RESTRICTED LOADING RECOMMENDED (100 PSF MAXIMUM)
- LIMITED LOADING RECOMMENDED
- LOCATION OF SOIL BORING DB-1
- ORIGINAL LOCATION OF SOIL BORING

NOTE:
SITE MAP BASED ON MCLAREN DRAWING B-3, IN APPENDIX B OF THE REPORT UNDERWATER INSPECTION AND CONDITION SURVEY DATED DECEMBER 2006

PRE-IRM SOIL BORING LOCATIONS

SCALE: 1"=50'

Shaw Environmental, Inc.

DESIGNED BY: S. SHATZ	CON EDISON			
DRAWN BY: S. SHATZ	LONG ISLAND CITY, NEW YORK			
CHECKED BY: D. GREFFENIUS	PRE-IRM SOIL BORING LOCATIONS			
	FORMER KENT AVENUE GENERATING STATION 500 KENT AVENUE, BROOKLYN, NEW YORK			
APPROVED BY: J. FRANCESCON	DATE: 06/22/12	SCALE: AS SHOWN	DRAWING NO. FIGURE 2	REV NO. -

File: V:\- CLIENT\Con Edison\146740 Kent Ave\Working\Pre-IRM\CADD\Pre-IRM\Pre-IRM borings\IRM boring locations 2012 09 05.dwg
Plot Date/Time: Sep. 05, 2012 - 2:28pm
Plotted By: sara.shatz

FIGURE 3

DRAWING NUMBER

OFFICE
NEW YORK, NY

VERIFY SCALE
0 1/2"

KENT AVENUE

DIVISION AVE

FORMER BUILDING INTERIOR (TYP)

SETTLING SLAB

FORMER ASH PIT

INTAKE INTERCEPTOR

DISCHARGE TUNNEL (ABOVE) INTAKE TUNNEL (BELOW)

DISCHARGE INTERCEPTOR

NORTH INTAKE TUNNEL

NORTH DISCHARGE TUNNEL

FORMER ELECTRICAL TRANSFORMERS

EXISTING MASONRY WALL

DB-1 DB-2 DB-3 DB-4 DB-5 DB-6

STA 5+30 STA 5+00 STA 4+40 STA 4+00 STA 3+87 STA 3+67 STA 3+00 STA 2+85 STA 2+72 STA 2+56 STA 2+44 STA 1+80 STA 1+00 STA 0+24 STA 0+00

STA. 4+37 TO 3+87 STEEL SHEET PILE BULKHEAD

STA. 3+87 TO 3+67 TUNNEL HEADWALL

STA. 3+67 TO 3+06 TIMBER PILE PLATFORM

STA. 3+06 TO 2+39 TUNNEL HEADWALL

STA. 2+39 TO 2+35 VOID IN SEAWALL WITH LOSS OF FILL

STA. 2+35 TO 2+04 TIMBER PILE PLATFORM

STA. 2+04 TO 1+68 TUNNEL HEADWALL

STA. 1+68 TO 0+34 TIMBER PILE PLATFORM

STA. 0+34 TO 0+14 TUNNEL HEADWALL

STA. 0+14 TO 0+00 TIMBER PILE PLATFORM

ORIGINAL DB-4 LOCATION (NOT INSTALLED)

WALLABOUT CHANNEL

ORIGINAL LOCATION DB-5 (RELOCATED)

ORIGINAL LOCATION DB-6 (RELOCATED)

SOUTH DISCHARGE TUNNEL

MONITORING WELL

BULKHEAD LINE

5/10/2012		
DB-1		
34.5-35'		
BENZO(a)ANTHRACENE	1,000	1,000
INDENO[1,2,3-cd]PYRENE	500	630
ARSENIC	16,000	17,800

5/11/2012		
DB-6		
29.5-30'		
BENZO(a)ANTHRACENE	1,000	2,800
BENZO(a)PYRENE	1,000	1,800
BENZO(b)FLUORANTHENE	1,000	1,300
INDENO[1,2,3-cd]PYRENE	500	630

LEGEND

RESTRICTED LOADING RECOMMENDED (100 PSF MAXIMUM)

LIMITED LOADING RECOMMENDED

LOCATION OF SOIL BORING
DB-1

5/10/2012		
DB-1		
34.5-35'		
BENZO(a)ANTHRACENE	1,000	1,000
INDENO[1,2,3-cd]PYRENE	500	630
ARSENIC	16,000	17,800

DATE SAMPLING WAS PERFORMED
SAMPLE IDENTIFIER
DEPTH OF COLLECTION
COMPOUND
ANALYTICAL RESULT in micrograms per kilogram (ug/Kg) = parts per billion (ppb)
RESTRICTED RESIDENTIAL SOIL CLEANUP OBJECTIVE (ppb)

NOTE:
SITE MAP BASED ON MCLAREN DRAWING B-3, IN APPENDIX B OF THE REPORT UNDERWATER INSPECTION AND CONDITION SURVEY DATED DECEMBER 2006

PRE-IRM SOIL ANALYTICAL RESULTS MAP

SCALE: 1"=50'

Shaw Environmental, Inc.

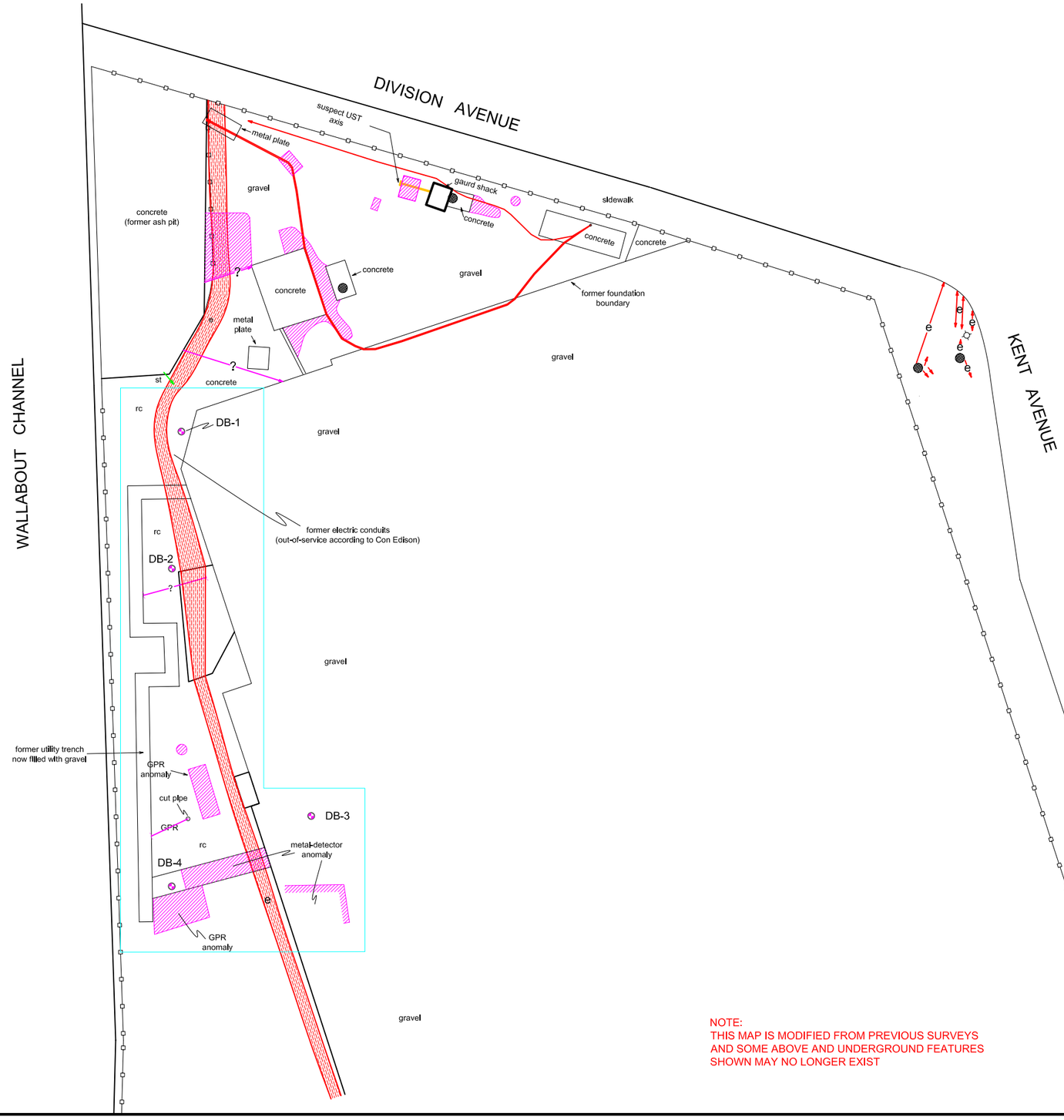
DESIGNED BY: S. SHATZ	CON EDISON LONG ISLAND CITY, NEW YORK			
DRAWN BY: S. SHATZ	PRE-IRM SOIL ANALYTICAL RESULTS MAP RRSCO EXCEEDANCES FORMER KENT AVENUE GENERATING STATION 500 KENT AVENUE, BROOKLYN, NEW YORK			
CHECKED BY: D. GREFFENIUS				
APPROVED BY: J. FRANCESCON	DATE: 06/22/12	SCALE: AS SHOWN	DRAWING NO. FIGURE 3	REV NO. -

File: V:\- CLIENT\Con Edison\146740 Kent Ave\Working\Pre-IRM\CADD\Pre-IRM\Pre-IRM borings\IRM boring locations 2012 09 05.dwg
Plot Date/Time: Sep. 05, 2012 - 2:28pm
Plotted By: sara.shatz

8 7 6 5 4 3 2 1

ATTACHMENT 1

FIGURES FROM GEOPHYSICAL CONTRACTOR



LEGEND

- e — electric
- e — electrical conduit bank
- st — storm sewer
- ? — suspected utility
- chain-link fence
- metal-detector anomaly
- approximate area of investigation
- proposed exploratory boring site
- rc — reinforced concrete

approximately

30 15 0 15 30 ft

Scale: One inch equals approximately thirty feet

NAEVA GEOPHYSICS INC.
Subsurface Geophysical Surveys
225 N. Route 303, Suite 102
Congers, NY. 10920
(845)268-1800
(845)268-1802 FAX

Figure 1 - Results of a Geophysical Investigation
Former Kent Avenue Generating Station, North Area
500 Kent Avenue, Brooklyn, New York

Client	SHAW	Date of Work	May 7, 2012
Project No.	C1205071H	Map By	Hiromi Hamajima

ALL UNDERGROUND FACILITIES MAY NOT BE DEPICTED ON THIS MAP

LEGEND

- e — electric
- e — electrical conduit bank
- st — storm sewer
- ? — suspected utility
- chain-link fence
- metal-detector anomaly
- approximate area of investigation
- proposed exploratory boring site
- rc — reinforced concrete

approximately

30 15 0 15 30 ft

Scale: One inch equals approximately thirty feet

NOTE:
THIS MAP IS MODIFIED FROM PREVIOUS SURVEYS
AND SOME ABOVE AND UNDERGROUND FEATURES
SHOWN MAY NO LONGER EXIST

NAEVA GEOPHYSICS INC.
THE LEADER IN SUBSURFACE DETECTION
Subsurface Geophysical Surveys

225 N. Route 303, Suite 102
Congers, NY. 10920
(845)268-1800
(845)268-1802 FAX

Figure 2 - Results of a Geophysical Investigation
Former Kent Avenue Generating Station, South Area
500 Kent Avenue, Brooklyn, New York

Client	SHAW	Date of Work	May 7, 2012
Project No.	C1205071H	Map By	Hiromi Hamajima

ALL UNDERGROUND FACILITIES MAY NOT BE DEPICTED ON THIS MAP

ATTACHMENT 2

SOIL BORING LOGS

Soil Boring Log

Shaw Environmental & Infrastructure
Engineering of New York, P.C.
1633 Broadway, 30th Floor
NEW YORK, NY 10019

Project # 126649 Project Name Con Edison

Site Name Kent Avenue Site Address 500 Kent Avenue, Brooklyn, NY

Boring No. DB-1

Sheet No. 1 of 1

Drill Company ADT, Inc.

Driller G. Rivera

Drill Method Sonic

Rig Type SDC 390

Sampler Type Core barrel 3 5/8"

Total Boring Depth 35 ft

Boring Diameter 6"

Well Depth N/A

Well Diameter N/A

Screen length/size: N/A

Date Started 5/10/12

Date Finished 5/10/12

Weather partly cloudy

Shaw Geologist D. Greffenius

Depth (ft)	SAMPLE: Depth Interval (ft.)	SAMPLE: % Recovery	SAMPLE: Blows/6"	SAMPLE: USCS	SOIL DESCRIPTION/LITHOLOGY	Lab Sample	PID (ppm)	Moisture	Remarks
	0-1'		N/A		Concrete				
	1-14'				Void				
5									
10		0%							
	14-18'				Water, dark suspended silt				
15									
	18-23'				FILL; sand, rock, brick pieces		0.0	wet	
20		70%							
	23-32'			SW	Gray SAND, medium-coarse, trace small pebbles	23-23.5'	0.0	wet	
25									
30		100%							
	32-35'			SW	Gray SAND, fine-medium		0.0	wet	
35						34.5-35'	0.0		
					End of Boring 35 ft				
40									
45									

Notes:

N/A = NOT APPLICABLE

Soil Boring Log

Shaw Environmental & Infrastructure
Engineering of New York, P.C.
1633 Broadway, 30th Floor
NEW YORK, NY 10019

Project # 126649 Project Name Con Edison

Site Name Kent Avenue Site Address 500 Kent Avenue, Brooklyn, NY

Boring No. DB-2

Sheet No. 1 of 1

Drill Company ADT, Inc.

Driller G. Rivera

Drill Method Sonic

Rig Type SDC 390

Sampler Type Core barrel 3 5/8"

Total Boring Depth 35 ft

Boring Diameter 6"

Well Depth N/A

Well Diameter N/A

Screen length/size: N/A

Date Started 5/10/12

Date Finished 5/10/12

Weather partly cloudy

Shaw Geologist D. Greffenius

Depth (ft)	SAMPLE: Depth Interval (ft.)	SAMPLE: % Recovery	SAMPLE: Blows/6"	SAMPLE: USCS	SOIL DESCRIPTION/LITHOLOGY	Lab Sample	PID (ppm)	Moisture	Remarks
	0–1'		N/A		Concrete				
	1–12'				Void				
5									
10		0%							
	12–17'				FILL; silt, rock, concrete pieces		0.0	wet	
						13.5–14'			
15									
	17–25'				Concrete (pieces, powder)		0.0	dry	
20		90%							
25	25–27'				Schist (pieces)		0.0	dry	
	27–34'			SM	Dark gray silty SAND, fine, with rock and wood pieces		0.0	wet	
30		100%							
	34–35'			SM	Black silty SAND, fine, with rock pieces	34.5–35'	0.0	wet	
35					End of Boring 35 ft				
40									
45									

Notes:

N/A = NOT APPLICABLE

Soil Boring Log

Shaw Environmental & Infrastructure
Engineering of New York, P.C.
1633 Broadway, 30th Floor
NEW YORK, NY 10019

Project # 126649 Project Name Con Edison

Site Name Kent Avenue Site Address 500 Kent Avenue, Brooklyn, NY

Boring No. DB-3

Sheet No. 1 of 1

Drill Company ADT, Inc.

Driller G. Rivera

Drill Method Sonic

Rig Type SDC 390

Sampler Type Core barrel 3 5/8"

Total Boring Depth 35 ft

Boring Diameter 6"

Well Depth N/A

Well Diameter N/A

Screen length/size: N/A

Date Started 5/10/12

Date Finished 5/10/12

Weather partly cloudy

Shaw Geologist D. Greffenius

Depth (ft)	SAMPLE: Depth Interval (ft.)	SAMPLE: % Recovery	SAMPLE: Blows/6"	SAMPLE: USCS	SOIL DESCRIPTION/LITHOLOGY	Lab Sample	PID (ppm)	Moisture	Remarks
	0–7'		N/A		FILL; white stone, powder				
5									
	7–15'				Concrete (pieces, powder, rebar)				
10		90%							
15	15–20'				Weathered concrete (small pieces, powder)		0.0	dry	
20	20–22'	80%		SW	Black SAND, fine–coarse, with FILL, SILT, and GRAVEL	20.5–21'	0.0	moist	
	22–25'			MH	Dark gray clayey SILT, soft		0.0	moist	
25	25–31'			SM	Brown silty SAND, fine–medium, dense/ firm, trace small stones		0.0	moist	
30	31–35'	100%		SM	Brown silty SAND, fine, less dense	30.5–31'	0.0	moist	
35					End of Boring 35 ft				
40									
45									

Notes:

N/A = NOT APPLICABLE

Soil Boring Log

Shaw Environmental & Infrastructure
Engineering of New York, P.C.
1633 Broadway, 30th Floor
NEW YORK, NY 10019

Project # 126649 Project Name Con Edison

Site Name Kent Avenue Site Address 500 Kent Avenue, Brooklyn, NY

Boring No. DB-5

Sheet No. 1 of 2

Drill Company ADT, Inc.

Driller G. Rivera

Drill Method Sonic

Rig Type SDC 390

Sampler Type Core barrel 3 5/8"

Total Boring Depth 50 ft

Boring Diameter 6"

Date Started 5/11/12

Date Finished 5/11/12

Weather sunny and warm

Well Depth N/A

Well Diameter N/A

Screen length/size: N/A

Shaw Geologist D. Greffenius

Depth (ft)	SAMPLE: Depth Interval (ft.)	SAMPLE: % Recovery	SAMPLE: Blows/6"	SAMPLE: USCS	SOIL DESCRIPTION/LITHOLOGY	Lab Sample	PID (ppm)	Moisture	Remarks
	0–17'		N/A		Concrete (pieces, powder)				
5									
10		50%							
15									
	17–18'			SM	Dark gray silty SAND, fine–coarse, stones			wet	
	18–20'			SM	Black silty SAND, very fine, stones, rock pieces		2.3	wet	slight odor
20	20–30'	30%		SW	Dark gray brown silty SAND, very fine, some stones	21–21.5'	465	wet	odor
25							21.3		
30	30–39'	95%		SM	Brown and gray mottled silty SAND, very fine, dense		5.1	moist	odor
35						35–35.5'	25.2		
	39–40'			SW	Brown and gray SAND, fine–medium, loose	39.5–40'	13.4	moist	
40	40–45'	100%		SM	Gray brown silty SAND, fine–medium, small stones			wet	
45									

Notes:

N/A = NOT APPLICABLE

Soil Boring Log

Shaw Environmental & Infrastructure
Engineering of New York, P.C.
1633 Broadway, 30th Floor
NEW YORK, NY 10019

Project # 126649 Project Name Con Edison

Site Name Kent Avenue Site Address 500 Kent Avenue, Brooklyn, NY

Boring No. DB-5

Sheet No. 2 of 2

Drill Company ADT, Inc.

Driller G. Rivera

Drill Method Sonic

Rig Type SDC 390

Sampler Type Core barrel 3 5/8"

Total Boring Depth 50 ft

Boring Diameter 6"

Well Depth N/A

Well Diameter N/A

Screen length/size: N/A

Date Started 5/11/12

Date Finished 5/11/12

Weather sunny and warm

Shaw Geologist D. Greffenius

Depth (ft)	SAMPLE: Depth Interval (ft.)	SAMPLE: % Recovery	SAMPLE: Blows/6"	SAMPLE: USCS	SOIL DESCRIPTION/LITHOLOGY	Lab Sample	PID (ppm)	Moisture	Remarks
	45-50'		N/A	SW	Brown SAND, fine-medium		18.1	moist	
50		95%				49.5-50'	1.5		
					End of Boring 50 ft				
55									
60									
65									
70									
75									
80									
85									
90									

Notes:

N/A = NOT APPLICABLE

Soil Boring Log

Shaw Environmental & Infrastructure
Engineering of New York, P.C.
1633 Broadway, 30th Floor
NEW YORK, NY 10019

Project # 126649 Project Name Con Edison

Site Name Kent Avenue Site Address 500 Kent Avenue, Brooklyn, NY

Boring No. DB-6

Sheet No. 1 of 1

Drill Company ADT, Inc. Driller G. Rivera

Drill Method Sonic

Rig Type SDC 390 Sampler Type Core barrel 3 5/8"

Total Boring Depth 40 ft Boring Diameter 6"

Well Depth N/A Well Diameter N/A

Screen length/size: N/A

Date Started 5/11/12

Date Finished 5/11/12

Weather sunny and warm

Shaw Geologist D. Greffenius

Depth (ft)	SAMPLE: Depth Interval (ft.)	SAMPLE: % Recovery	SAMPLE: Blows/6"	SAMPLE: USCS	SOIL DESCRIPTION/LITHOLOGY	Lab Sample	PID (ppm)	Moisture	Remarks
	0–7'		N/A		Concrete (pieces, powder)				
5									
	7–10'				Wood pieces		54.9	dry	
10	10–13'	85%			Concrete (pieces, powder)			dry	
	13–15'				Wood pieces				petroleum odor, oily
15	15–29'			SM	Dark gray–brown silty SAND, very fine	15–15.5'	2.0	moist	
20		95%							
25							5.9		
	29–31'			SW	Gray–brown SAND, fine–medium, some rock pieces	29.5–30'	125	wet	odor
30		70%				30–30.5'	322	moist	odor
	31–40'			SP	Brown clayey SILT with very fine SAND, dense				
35									
40		95%				39.5–40'	35.9	moist	no odor
					End of Boring 40 ft				
45									

Notes:

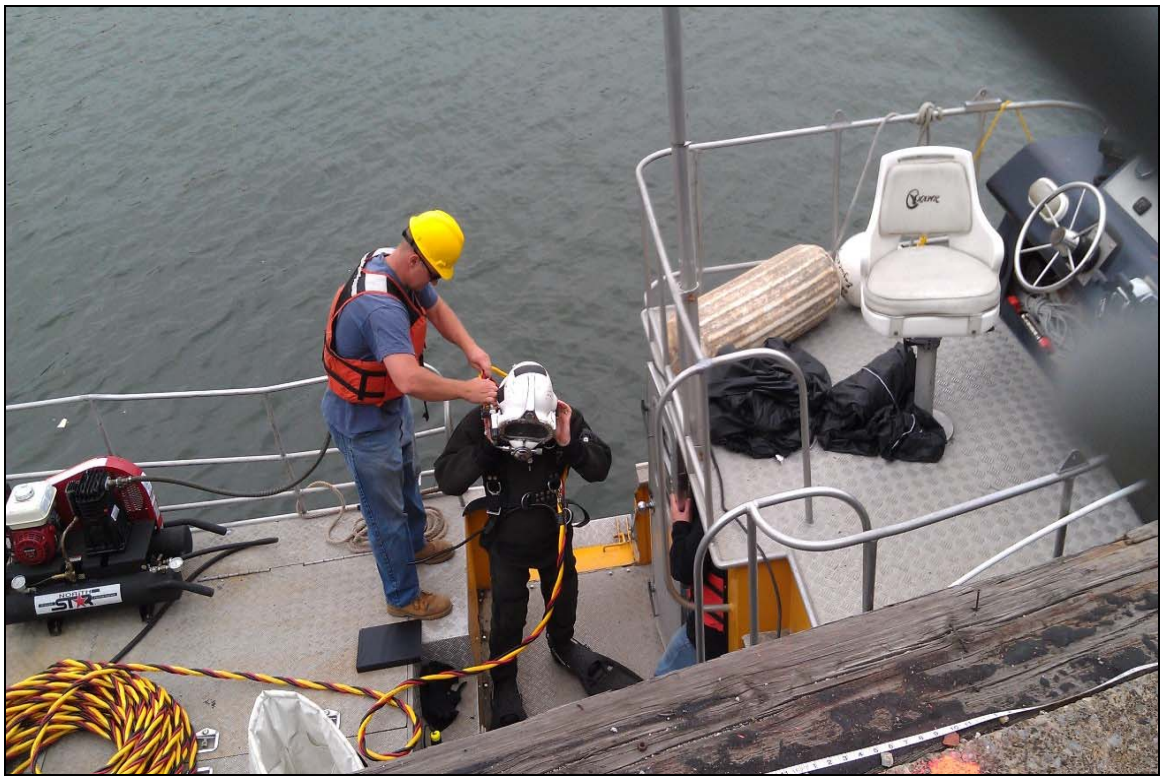
N/A = NOT APPLICABLE

ATTACHMENT 3

PHOTOGRAPHS

1. Geophysical survey and utility markout prior to pre-IRM soil boring investigation, 5/7/12.

2. Diving inspection at northwestern portion of Site at location of sheet piling and tie rods, 5/7/12.



3. Sheet piling tie rods marked on seawall near soil boring DB-1 and DB-2 locations, 5/7/12.

4. Pre-clearing soil boring DB-3 location by vacuum excavating, 5/8/12.

5. Initial pre-clearing attempt at soil boring DB-6 location, 5/8/12.

6. Initial pre-clearing attempt at DB-6 location showing concrete slab and light gauge rails, 5/8/12.

7. View of pre-clearing attempts and offsets (orange cones) in area of DB-5 and DB-6 locations, 5/8/12.

8. Coring through concrete slab at soil boring DB-4 location, 5/8/12.

9. View of additional layer of concrete beneath 11-inch concrete slab at DB-4 location, 5/9/12.

10. Coring through concrete slab at soil boring DB-1 location, 5/9/12.

11. View of void, sub-grade structures, and water of Wallabout Channel below DB-2 location, 5/9/12.

12. Start of sonic drilling activities at soil boring DB-1 location in northwestern portion of Site, 5/10/12.

13. View of liner and sonic core barrel contents from soil boring DB-1, 5/10/12.

14. Sonic drilling activities at soil boring DB-3 location in west-central portion of Site, 5/10/12.

15. View of liner and sonic core barrel contents from soil boring DB-3, 5/10/12.

16. Start of sonic drilling activities at (new) DB-6 location in southwestern portion of Site, 5/11/12.

17. View of liner and sonic core barrel contents from soil boring DB-6, 5/11/12.

18. View of liner and sonic core barrel contents from soil boring DB-5, 5/11/12.

19. Installing steel plate in concrete slab over core hole and void at DB-1 location, 6/1/12.

20. Steel plate installed over core hole and void at DB-2 location, 6/1/12.

ATTACHMENT 4

WASTE CHARACTERIZATION RESULTS

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Edison
777 New Durham Road
Edison, NJ 08817
Tel: (732)549-3900

TestAmerica Job ID: 460-40305-1
Client Project/Site: Cond Edison 500 Kent Ave, Brooklyn

For:
Shaw Environmental & Infrastructure, Inc
1633 Broadway
30th Floor
New York, New York 10019

Attn: David Greffenius

Authorized for release by:
5/24/2012 4:06:48 PM

Brian Tortorete
Project Manager II
brian.tortorete@testamericainc.com

Table of Contents

Definitions/Glossary

Client: Shaw Environmental & Infrastructure, Inc
Project/Site: Cond Edison 500 Kent Ave, Brooklyn

TestAmerica Job ID: 460-40305-1

Qualifiers

GC/MS 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.

GC/MS Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
*	Recovery or RPD exceeds control limits

GC Semi VOA

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

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
HF	Field parameter with a holding time of 15 minutes
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
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
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Detection Summary

Client: Shaw Environmental & Infrastructure, Inc
Project/Site: Cond Edison 500 Kent Ave, Brooklyn

TestAmerica Job ID: 460-40305-1

Client Sample ID: Disp-1

Lab Sample ID: 460-40305-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.0023	J	0.010	0.00080	mg/L	10		8260B	TCLP
Arsenic	3.1		1.1	0.99	mg/Kg	4	☼	6010B	Total/NA
Lead	13.1		1.1	0.91	mg/Kg	4	☼	6010B	Total/NA
Cadmium	0.23	J	1.1	0.16	mg/Kg	4	☼	6010B	Total/NA
Barium	68.5		42.2	1.2	mg/Kg	4	☼	6010B	Total/NA
Chromium	32.3		2.1	0.91	mg/Kg	4	☼	6010B	Total/NA
Mercury	0.049		0.039	0.026	mg/Kg	1	☼	7471A	Total/NA
Sulfide, Reactive	140		20.0	20.0	mg/Kg	1		9034	Total/NA
pH	8.38	HF			SU	1		9045C	Total/NA
Corrosivity	8.38	HF			SU	1		9045C	Total/NA

Client: Shaw Environmental & Infrastructure, Inc
Project/Site: Cond Edison 500 Kent Ave, Brooklyn

TestAmerica Job ID: 460-40305-1

Client Sample ID: Disp-1
Date Collected: 05/11/12 15:00
Date Received: 05/15/12 16:35

Lab Sample ID: 460-40305-1
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	0.00060	U	0.010	0.00060	mg/L			05/21/12 15:36	10
Chlorobenzene	0.0011	U	0.010	0.0011	mg/L			05/21/12 15:36	10
Chloroform	0.00080	U	0.010	0.00080	mg/L			05/21/12 15:36	10
1,4-Dichlorobenzene	0.0023	U	0.010	0.0023	mg/L			05/21/12 15:36	10
1,2-Dichloroethane	0.0019	U	0.010	0.0019	mg/L			05/21/12 15:36	10
1,1-Dichloroethene	0.00090	U	0.010	0.00090	mg/L			05/21/12 15:36	10
2-Butanone	0.023	U	0.050	0.023	mg/L			05/21/12 15:36	10
Tetrachloroethene	0.0010	U	0.010	0.0010	mg/L			05/21/12 15:36	10
Trichloroethene	0.00090	U	0.010	0.00090	mg/L			05/21/12 15:36	10
Vinyl chloride	0.0014	U	0.010	0.0014	mg/L			05/21/12 15:36	10
Benzene	**0.0023**	**J**	0.010	0.00080	mg/L			05/21/12 15:36	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*70 - 130*		*05/21/12 15:36*	*10*
Bromofluorobenzene	*103*		*70 - 130*		*05/21/12 15:36*	*10*
Toluene-d8 (Surr)	*107*		*70 - 130*		*05/21/12 15:36*	*10*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyridine	0.0036	U	0.040	0.0036	mg/L		05/18/12 09:51	05/21/12 15:41	1
1,4-Dichlorobenzene	0.010	U	0.040	0.010	mg/L		05/18/12 09:51	05/21/12 15:41	1
Hexachloroethane	0.0010	U	0.0040	0.0010	mg/L		05/18/12 09:51	05/21/12 15:41	1
Nitrobenzene	0.0012	U	0.0040	0.0012	mg/L		05/18/12 09:51	05/21/12 15:41	1
o-Cresol	0.0072	U	0.040	0.0072	mg/L		05/18/12 09:51	05/21/12 15:41	1
m & p - Cresol	0.0064	U *	0.040	0.0064	mg/L		05/18/12 09:51	05/21/12 15:41	1
Pentachlorophenol	0.021	U	0.12	0.021	mg/L		05/18/12 09:51	05/21/12 15:41	1
Hexachlorobutadiene	0.0023	U	0.0080	0.0023	mg/L		05/18/12 09:51	05/21/12 15:41	1
2,4-Dinitrotoluene	0.0019	U	0.0080	0.0019	mg/L		05/18/12 09:51	05/21/12 15:41	1
Hexachlorobenzene	0.0012	U	0.0040	0.0012	mg/L		05/18/12 09:51	05/21/12 15:41	1
2,4,5-Trichlorophenol	0.010	U	0.040	0.010	mg/L		05/18/12 09:51	05/21/12 15:41	1
2,4,6-Trichlorophenol	0.0096	U	0.040	0.0096	mg/L		05/18/12 09:51	05/21/12 15:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*78*		*53 - 108*	*05/18/12 09:51*	*05/21/12 15:41*	*1*
2-Fluorophenol	*48*		*10 - 65*	*05/18/12 09:51*	*05/21/12 15:41*	*1*
Phenol-d5	*32*		*10 - 48*	*05/18/12 09:51*	*05/21/12 15:41*	*1*
Nitrobenzene-d5	*90*		*56 - 112*	*05/18/12 09:51*	*05/21/12 15:41*	*1*
2,4,6-Tribromophenol	*91*		*46 - 122*	*05/18/12 09:51*	*05/21/12 15:41*	*1*
Terphenyl-d14	*82*		*50 - 122*	*05/18/12 09:51*	*05/21/12 15:41*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	15	U	80	15	ug/Kg	☼	05/18/12 09:25	05/21/12 04:25	1
Aroclor 1221	24	U	80	24	ug/Kg	☼	05/18/12 09:25	05/21/12 04:25	1
Aroclor 1232	45	U	80	45	ug/Kg	☼	05/18/12 09:25	05/21/12 04:25	1
Aroclor 1242	15	U	80	15	ug/Kg	☼	05/18/12 09:25	05/21/12 04:25	1
Aroclor 1248	21	U	80	21	ug/Kg	☼	05/18/12 09:25	05/21/12 04:25	1
Aroclor 1254	27	U	80	27	ug/Kg	☼	05/18/12 09:25	05/21/12 04:25	1
Aroclor 1260	8.9	U	80	8.9	ug/Kg	☼	05/18/12 09:25	05/21/12 04:25	1
Aroclor 1262	14	U	80	14	ug/Kg	☼	05/18/12 09:25	05/21/12 04:25	1
Aroclor 1268	14	U	80	14	ug/Kg	☼	05/18/12 09:25	05/21/12 04:25	1

Client: Shaw Environmental & Infrastructure, Inc
Project/Site: Cond Edison 500 Kent Ave, Brooklyn

TestAmerica Job ID: 460-40305-1

Client Sample ID: Disp-1
Date Collected: 05/11/12 15:00
Date Received: 05/15/12 16:35

Lab Sample ID: 460-40305-1
Matrix: Solid
Percent Solids: 83.8

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	118		30 - 150	05/18/12 09:25	05/21/12 04:25	1
DCB Decachlorobiphenyl	122		30 - 150	05/18/12 09:25	05/21/12 04:25	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**3.1**		1.1	0.99	mg/Kg	☼	05/17/12 07:37	05/17/12 22:16	4
Lead	**13.1**		1.1	0.91	mg/Kg	☼	05/17/12 07:37	05/17/12 22:16	4
Cadmium	**0.23**	**J**	1.1	0.16	mg/Kg	☼	05/17/12 07:37	05/17/12 22:16	4
Barium	**68.5**		42.2	1.2	mg/Kg	☼	05/17/12 07:37	05/17/12 22:16	4
Silver	0.21	U	2.1	0.21	mg/Kg	☼	05/17/12 07:37	05/17/12 22:16	4
Selenium	1.4	U	2.1	1.4	mg/Kg	☼	05/17/12 07:37	05/17/12 22:16	4
Chromium	**32.3**		2.1	0.91	mg/Kg	☼	05/17/12 07:37	05/17/12 22:16	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.049**		0.039	0.026	mg/Kg	☼	05/16/12 17:45	05/16/12 21:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate	2.20	U	2.20	2.20	mm/sec			05/17/12 14:15	1
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		05/18/12 16:00	05/21/12 12:35	1
Sulfide, Reactive	**140**		20.0	20.0	mg/Kg		05/17/12 14:00	05/18/12 13:33	1
pH	**8.38**	**HF**			SU			05/17/12 17:25	1
Corrosivity	**8.38**	**HF**			SU			05/17/12 17:25	1
Percent Moisture	**16.2**		1.0	1.0	%			05/18/12 16:01	1

Surrogate Summary

Client: Shaw Environmental & Infrastructure, Inc
Project/Site: Cond Edison 500 Kent Ave, Brooklyn

TestAmerica Job ID: 460-40305-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

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

		Percent Surrogate Recovery (Acceptance Limits)		
		12DCE	BFB	TOL
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)
LCS 460-113327/3	Lab Control Sample	113	110	112
MB 460-113327/4	Method Blank	114	108	109

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = Bromofluorobenzene
TOL = Toluene-d8 (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)		
		12DCE	BFB	TOL
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)
460-40305-1	Disp-1	111	103	107
LB 460-113015/1-A LB	Method Blank	113	108	107

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = Bromofluorobenzene
TOL = Toluene-d8 (Surr)

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

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

		Percent Surrogate Recovery (Acceptance Limits)					
		FBP	2FP	PHL	NBZ	TBP	TPH
Lab Sample ID	Client Sample ID	(53-108)	(10-65)	(10-48)	(56-112)	(46-122)	(50-122)
LCS 460-113114/2-A	Lab Control Sample	80	48	32	93	93	83
MB 460-112995/1-A	Method Blank	88	59	37	97	98	89
MB 460-113114/1-A	Method Blank	82	49	32	98	82	87

Surrogate Legend

FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol
PHL = Phenol-d5
NBZ = Nitrobenzene-d5
TBP = 2,4,6-Tribromophenol
TPH = Terphenyl-d14

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

Matrix: Solid **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)					
		FBP	2FP	PHL	NBZ	TBP	TPH
Lab Sample ID	Client Sample ID	(53-108)	(10-65)	(10-48)	(56-112)	(46-122)	(50-122)
460-40305-1	Disp-1	78	48	32	90	91	82
LB 460-112889/1-E LB	Method Blank	91	57	36	95	79	99
LB 460-113043/1-D LB	Method Blank	80	48	32	95	85	87

Surrogate Legend

FBP = 2-Fluorobiphenyl

2FP = 2-Fluorophenol
PHL = Phenol-d5
NBZ = Nitrobenzene-d5
TBP = 2,4,6-Tribromophenol
TPH = Terphenyl-d14

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

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

		Percent Surrogate Recovery (Acceptance Limits)									
Lab Sample ID	Client Sample ID	DCB2 (30-150)	DCB1 (30-150)								
460-40305-1	Disp-1	118	122								
LCS 460-113080/2-A	Lab Control Sample	135	119								
MB 460-113080/1-A	Method Blank	131	116								

Surrogate Legend

DCB = DCB Decachlorobiphenyl

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 460-113327/4
Matrix: Solid
Analysis Batch: 113327

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	0.000060	U	0.0010	0.000060	mg/L			05/21/12 12:00	1
Chlorobenzene	0.00011	U	0.0010	0.00011	mg/L			05/21/12 12:00	1
Chloroform	0.000080	U	0.0010	0.000080	mg/L			05/21/12 12:00	1
1,4-Dichlorobenzene	0.00023	U	0.0010	0.00023	mg/L			05/21/12 12:00	1
1,2-Dichloroethane	0.00019	U	0.0010	0.00019	mg/L			05/21/12 12:00	1
1,1-Dichloroethene	0.000090	U	0.0010	0.000090	mg/L			05/21/12 12:00	1
2-Butanone	0.0023	U	0.0050	0.0023	mg/L			05/21/12 12:00	1
Tetrachloroethene	0.00010	U	0.0010	0.00010	mg/L			05/21/12 12:00	1
Trichloroethene	0.000090	U	0.0010	0.000090	mg/L			05/21/12 12:00	1
Vinyl chloride	0.00014	U	0.0010	0.00014	mg/L			05/21/12 12:00	1
Benzene	0.000080	U	0.0010	0.000080	mg/L			05/21/12 12:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*114*		*70 - 130*		*05/21/12 12:00*	*1*
Bromofluorobenzene	*108*		*70 - 130*		*05/21/12 12:00*	*1*
Toluene-d8 (Surr)	*109*		*70 - 130*		*05/21/12 12:00*	*1*

Lab Sample ID: LCS 460-113327/3
Matrix: Solid
Analysis Batch: 113327

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Carbon tetrachloride	0.0200	0.0179		mg/L		89	76 - 116
Chlorobenzene	0.0200	0.0215		mg/L		107	85 - 125
Chloroform	0.0200	0.0217		mg/L		109	85 - 125
1,4-Dichlorobenzene	0.0200	0.0212		mg/L		106	70 - 130
1,2-Dichloroethane	0.0200	0.0207		mg/L		104	76 - 116
1,1-Dichloroethene	0.0200	0.0208		mg/L		104	61 - 143
2-Butanone	0.0200	0.0166		mg/L		83	61 - 108
Tetrachloroethene	0.0200	0.0196		mg/L		98	80 - 142
Trichloroethene	0.0200	0.0207		mg/L		104	82 - 122
Vinyl chloride	0.0200	0.0196		mg/L		98	54 - 138
Benzene	0.0200	0.0211		mg/L		105	84 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*113*		*70 - 130*
Bromofluorobenzene	*110*		*70 - 130*
Toluene-d8 (Surr)	*112*		*70 - 130*

Lab Sample ID: LB 460-113015/1-A LB
Matrix: Solid
Analysis Batch: 113327

Client Sample ID: Method Blank
Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	0.00060	U	0.010	0.00060	mg/L			05/21/12 12:24	10
Chlorobenzene	0.0011	U	0.010	0.0011	mg/L			05/21/12 12:24	10
Chloroform	0.00080	U	0.010	0.00080	mg/L			05/21/12 12:24	10
1,4-Dichlorobenzene	0.0023	U	0.010	0.0023	mg/L			05/21/12 12:24	10
1,2-Dichloroethane	0.0019	U	0.010	0.0019	mg/L			05/21/12 12:24	10

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

Lab Sample ID: LB 460-113015/1-A LB
Matrix: Solid
Analysis Batch: 113327

Client Sample ID: Method Blank
Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.00090	U	0.010	0.00090	mg/L			05/21/12 12:24	10
2-Butanone	0.023	U	0.050	0.023	mg/L			05/21/12 12:24	10
Tetrachloroethene	0.0010	U	0.010	0.0010	mg/L			05/21/12 12:24	10
Trichloroethene	0.00090	U	0.010	0.00090	mg/L			05/21/12 12:24	10
Vinyl chloride	0.0014	U	0.010	0.0014	mg/L			05/21/12 12:24	10
Benzene	0.00080	U	0.010	0.00080	mg/L			05/21/12 12:24	10

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*70 - 130*		*05/21/12 12:24*	*10*
Bromofluorobenzene	*108*		*70 - 130*		*05/21/12 12:24*	*10*
Toluene-d8 (Surr)	*107*		*70 - 130*		*05/21/12 12:24*	*10*

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

Lab Sample ID: MB 460-112995/1-A
Matrix: Solid
Analysis Batch: 113122

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 112995

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyridine	0.00091	U	0.010	0.00091	mg/L		05/17/12 12:14	05/18/12 05:51	1
1,4-Dichlorobenzene	0.0025	U	0.010	0.0025	mg/L		05/17/12 12:14	05/18/12 05:51	1
Hexachloroethane	0.00025	U	0.0010	0.00025	mg/L		05/17/12 12:14	05/18/12 05:51	1
Nitrobenzene	0.00030	U	0.0010	0.00030	mg/L		05/17/12 12:14	05/18/12 05:51	1
o-Cresol	0.0018	U	0.010	0.0018	mg/L		05/17/12 12:14	05/18/12 05:51	1
m & p - Cresol	0.0016	U	0.010	0.0016	mg/L		05/17/12 12:14	05/18/12 05:51	1
Pentachlorophenol	0.0053	U	0.030	0.0053	mg/L		05/17/12 12:14	05/18/12 05:51	1
Hexachlorobutadiene	0.00057	U	0.0020	0.00057	mg/L		05/17/12 12:14	05/18/12 05:51	1
2,4-Dinitrotoluene	0.00047	U	0.0020	0.00047	mg/L		05/17/12 12:14	05/18/12 05:51	1
Hexachlorobenzene	0.00029	U	0.0010	0.00029	mg/L		05/17/12 12:14	05/18/12 05:51	1
2,4,5-Trichlorophenol	0.0026	U	0.010	0.0026	mg/L		05/17/12 12:14	05/18/12 05:51	1
2,4,6-Trichlorophenol	0.0024	U	0.010	0.0024	mg/L		05/17/12 12:14	05/18/12 05:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*88*		*53 - 108*	*05/17/12 12:14*	*05/18/12 05:51*	*1*
2-Fluorophenol	*59*		*10 - 65*	*05/17/12 12:14*	*05/18/12 05:51*	*1*
Phenol-d5	*37*		*10 - 48*	*05/17/12 12:14*	*05/18/12 05:51*	*1*
Nitrobenzene-d5	*97*		*56 - 112*	*05/17/12 12:14*	*05/18/12 05:51*	*1*
2,4,6-Tribromophenol	*98*		*46 - 122*	*05/17/12 12:14*	*05/18/12 05:51*	*1*
Terphenyl-d14	*89*		*50 - 122*	*05/17/12 12:14*	*05/18/12 05:51*	*1*

Lab Sample ID: MB 460-113114/1-A
Matrix: Solid
Analysis Batch: 113486

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 113114

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyridine	0.00091	U	0.010	0.00091	mg/L		05/18/12 09:44	05/21/12 15:17	1
1,4-Dichlorobenzene	0.0025	U	0.010	0.0025	mg/L		05/18/12 09:44	05/21/12 15:17	1
Hexachloroethane	0.00025	U	0.0010	0.00025	mg/L		05/18/12 09:44	05/21/12 15:17	1
Nitrobenzene	0.00030	U	0.0010	0.00030	mg/L		05/18/12 09:44	05/21/12 15:17	1

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

Lab Sample ID: MB 460-113114/1-A
Matrix: Solid
Analysis Batch: 113486

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 113114

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Cresol	0.0018	U	0.010	0.0018	mg/L		05/18/12 09:44	05/21/12 15:17	1
m & p - Cresol	0.0016	U	0.010	0.0016	mg/L		05/18/12 09:44	05/21/12 15:17	1
Pentachlorophenol	0.0053	U	0.030	0.0053	mg/L		05/18/12 09:44	05/21/12 15:17	1
Hexachlorobutadiene	0.00057	U	0.0020	0.00057	mg/L		05/18/12 09:44	05/21/12 15:17	1
2,4-Dinitrotoluene	0.00047	U	0.0020	0.00047	mg/L		05/18/12 09:44	05/21/12 15:17	1
Hexachlorobenzene	0.00029	U	0.0010	0.00029	mg/L		05/18/12 09:44	05/21/12 15:17	1
2,4,5-Trichlorophenol	0.0026	U	0.010	0.0026	mg/L		05/18/12 09:44	05/21/12 15:17	1
2,4,6-Trichlorophenol	0.0024	U	0.010	0.0024	mg/L		05/18/12 09:44	05/21/12 15:17	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*82*		*53 - 108*	*05/18/12 09:44*	*05/21/12 15:17*	*1*
2-Fluorophenol	*49*		*10 - 65*	*05/18/12 09:44*	*05/21/12 15:17*	*1*
Phenol-d5	*32*		*10 - 48*	*05/18/12 09:44*	*05/21/12 15:17*	*1*
Nitrobenzene-d5	*98*		*56 - 112*	*05/18/12 09:44*	*05/21/12 15:17*	*1*
2,4,6-Tribromophenol	*82*		*46 - 122*	*05/18/12 09:44*	*05/21/12 15:17*	*1*
Terphenyl-d14	*87*		*50 - 122*	*05/18/12 09:44*	*05/21/12 15:17*	*1*

Lab Sample ID: LCS 460-113114/2-A
Matrix: Solid
Analysis Batch: 113486

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 113114

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Pyridine	0.100	0.0500		mg/L		50	14 - 55
1,4-Dichlorobenzene	0.100	0.0929		mg/L		93	64 - 110
Hexachloroethane	0.100	0.0848		mg/L		85	61 - 112
Nitrobenzene	0.100	0.0786		mg/L		79	49 - 92
o-Cresol	0.200	0.148		mg/L		74	41 - 90
m & p - Cresol	0.400	0.385	*	mg/L		96	30 - 87
Pentachlorophenol	0.200	0.164		mg/L		82	50 - 124
Hexachlorobutadiene	0.100	0.101		mg/L		101	56 - 113
2,4-Dinitrotoluene	0.100	0.0893		mg/L		89	67 - 126
Hexachlorobenzene	0.100	0.0831		mg/L		83	24 - 98
2,4,5-Trichlorophenol	0.200	0.158		mg/L		79	66 - 120
2,4,6-Trichlorophenol	0.200	0.153		mg/L		77	67 - 115

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*80*		*53 - 108*
2-Fluorophenol	*48*		*10 - 65*
Phenol-d5	*32*		*10 - 48*
Nitrobenzene-d5	*93*		*56 - 112*
2,4,6-Tribromophenol	*93*		*46 - 122*
Terphenyl-d14	*83*		*50 - 122*

Lab Sample ID: LB 460-112889/1-E LB
Matrix: Solid
Analysis Batch: 113122

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 112995

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyridine	0.0036	U	0.040	0.0036	mg/L		05/17/12 12:14	05/18/12 12:14	1

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

Lab Sample ID: LB 460-112889/1-E LB
Matrix: Solid
Analysis Batch: 113122

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 112995

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.040	0.010	mg/L		05/17/12 12:14	05/18/12 12:14	1
Hexachloroethane	0.0010	U	0.0040	0.0010	mg/L		05/17/12 12:14	05/18/12 12:14	1
Nitrobenzene	0.0012	U	0.0040	0.0012	mg/L		05/17/12 12:14	05/18/12 12:14	1
o-Cresol	0.0072	U	0.040	0.0072	mg/L		05/17/12 12:14	05/18/12 12:14	1
m & p - Cresol	0.0064	U	0.040	0.0064	mg/L		05/17/12 12:14	05/18/12 12:14	1
Pentachlorophenol	0.021	U	0.12	0.021	mg/L		05/17/12 12:14	05/18/12 12:14	1
Hexachlorobutadiene	0.0023	U	0.0080	0.0023	mg/L		05/17/12 12:14	05/18/12 12:14	1
2,4-Dinitrotoluene	0.0019	U	0.0080	0.0019	mg/L		05/17/12 12:14	05/18/12 12:14	1
Hexachlorobenzene	0.0012	U	0.0040	0.0012	mg/L		05/17/12 12:14	05/18/12 12:14	1
2,4,5-Trichlorophenol	0.010	U	0.040	0.010	mg/L		05/17/12 12:14	05/18/12 12:14	1
2,4,6-Trichlorophenol	0.0096	U	0.040	0.0096	mg/L		05/17/12 12:14	05/18/12 12:14	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*91*		*53 - 108*	*05/17/12 12:14*	*05/18/12 12:14*	*1*
2-Fluorophenol	*57*		*10 - 65*	*05/17/12 12:14*	*05/18/12 12:14*	*1*
Phenol-d5	*36*		*10 - 48*	*05/17/12 12:14*	*05/18/12 12:14*	*1*
Nitrobenzene-d5	*95*		*56 - 112*	*05/17/12 12:14*	*05/18/12 12:14*	*1*
2,4,6-Tribromophenol	*79*		*46 - 122*	*05/17/12 12:14*	*05/18/12 12:14*	*1*
Terphenyl-d14	*99*		*50 - 122*	*05/17/12 12:14*	*05/18/12 12:14*	*1*

Lab Sample ID: LB 460-113043/1-D LB
Matrix: Solid
Analysis Batch: 113486

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 113114

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyridine	0.0036	U	0.040	0.0036	mg/L		05/18/12 09:51	05/21/12 17:39	1
1,4-Dichlorobenzene	0.010	U	0.040	0.010	mg/L		05/18/12 09:51	05/21/12 17:39	1
Hexachloroethane	0.0010	U	0.0040	0.0010	mg/L		05/18/12 09:51	05/21/12 17:39	1
Nitrobenzene	0.0012	U	0.0040	0.0012	mg/L		05/18/12 09:51	05/21/12 17:39	1
o-Cresol	0.0072	U	0.040	0.0072	mg/L		05/18/12 09:51	05/21/12 17:39	1
m & p - Cresol	0.0064	U	0.040	0.0064	mg/L		05/18/12 09:51	05/21/12 17:39	1
Pentachlorophenol	0.021	U	0.12	0.021	mg/L		05/18/12 09:51	05/21/12 17:39	1
Hexachlorobutadiene	0.0023	U	0.0080	0.0023	mg/L		05/18/12 09:51	05/21/12 17:39	1
2,4-Dinitrotoluene	0.0019	U	0.0080	0.0019	mg/L		05/18/12 09:51	05/21/12 17:39	1
Hexachlorobenzene	0.0012	U	0.0040	0.0012	mg/L		05/18/12 09:51	05/21/12 17:39	1
2,4,5-Trichlorophenol	0.010	U	0.040	0.010	mg/L		05/18/12 09:51	05/21/12 17:39	1
2,4,6-Trichlorophenol	0.0096	U	0.040	0.0096	mg/L		05/18/12 09:51	05/21/12 17:39	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*80*		*53 - 108*	*05/18/12 09:51*	*05/21/12 17:39*	*1*
2-Fluorophenol	*48*		*10 - 65*	*05/18/12 09:51*	*05/21/12 17:39*	*1*
Phenol-d5	*32*		*10 - 48*	*05/18/12 09:51*	*05/21/12 17:39*	*1*
Nitrobenzene-d5	*95*		*56 - 112*	*05/18/12 09:51*	*05/21/12 17:39*	*1*
2,4,6-Tribromophenol	*85*		*46 - 122*	*05/18/12 09:51*	*05/21/12 17:39*	*1*
Terphenyl-d14	*87*		*50 - 122*	*05/18/12 09:51*	*05/21/12 17:39*	*1*

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

Lab Sample ID: MB 460-113080/1-A
Matrix: Solid
Analysis Batch: 113288

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 113080

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	13	U	67	13	ug/Kg		05/18/12 05:25	05/21/12 00:51	1
Aroclor 1221	20	U	67	20	ug/Kg		05/18/12 05:25	05/21/12 00:51	1
Aroclor 1232	38	U	67	38	ug/Kg		05/18/12 05:25	05/21/12 00:51	1
Aroclor 1242	13	U	67	13	ug/Kg		05/18/12 05:25	05/21/12 00:51	1
Aroclor 1248	18	U	67	18	ug/Kg		05/18/12 05:25	05/21/12 00:51	1
Aroclor 1254	23	U	67	23	ug/Kg		05/18/12 05:25	05/21/12 00:51	1
Aroclor 1260	7.5	U	67	7.5	ug/Kg		05/18/12 05:25	05/21/12 00:51	1
Aroclor 1262	12	U	67	12	ug/Kg		05/18/12 05:25	05/21/12 00:51	1
Aroclor 1268	12	U	67	12	ug/Kg		05/18/12 05:25	05/21/12 00:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*131*		*30 - 150*	*05/18/12 05:25*	*05/21/12 00:51*	*1*
DCB Decachlorobiphenyl	*116*		*30 - 150*	*05/18/12 05:25*	*05/21/12 00:51*	*1*

Lab Sample ID: LCS 460-113080/2-A
Matrix: Solid
Analysis Batch: 113288

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 113080

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor 1016	333	472		ug/Kg		142	60 - 144
Aroclor 1016	333	478		ug/Kg		143	60 - 144
Aroclor 1260	333	474		ug/Kg		142	63 - 143
Aroclor 1260	333	437		ug/Kg		131	63 - 143

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*135*		*30 - 150*
DCB Decachlorobiphenyl	*119*		*30 - 150*

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 460-112925/1-A ^2
Matrix: Solid
Analysis Batch: 113096

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 112925

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.47	U	0.50	0.47	mg/Kg		05/17/12 07:37	05/17/12 20:39	2
Lead	0.43	U	0.50	0.43	mg/Kg		05/17/12 07:37	05/17/12 20:39	2
Cadmium	0.074	U	0.50	0.074	mg/Kg		05/17/12 07:37	05/17/12 20:39	2
Barium	0.57	U	20.0	0.57	mg/Kg		05/17/12 07:37	05/17/12 20:39	2
Silver	0.10	U	1.0	0.10	mg/Kg		05/17/12 07:37	05/17/12 20:39	2
Selenium	0.66	U	1.0	0.66	mg/Kg		05/17/12 07:37	05/17/12 20:39	2
Chromium	0.43	U	1.0	0.43	mg/Kg		05/17/12 07:37	05/17/12 20:39	2

Lab Sample ID: LCSSRM 460-112925/2-A ^4
Matrix: Solid
Analysis Batch: 113096

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 112925

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	230	213.4		mg/Kg		93	71 - 129

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

Lab Sample ID: LCSSRM 460-112925/2-A ^4
Matrix: Solid
Analysis Batch: 113096

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 112925

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	100	100.2		mg/Kg		100	71 - 128
Cadmium	185	180.4		mg/Kg		97	73 - 126
Barium	245	234.0		mg/Kg		96	74 - 126
Silver	45.9	42.80		mg/Kg		93	66 - 133
Selenium	107	98.80		mg/Kg		93	66 - 134
Chromium	124	120.9		mg/Kg		97	70 - 129

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 460-112883/10-A
Matrix: Solid
Analysis Batch: 112895

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 112883

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.022	U	0.033	0.022	mg/Kg		05/16/12 17:45	05/16/12 20:43	1

Lab Sample ID: LCSSRM 460-112883/11-A ^10
Matrix: Solid
Analysis Batch: 112895

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 112883

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	12.4	12.12		mg/Kg		98	51 - 148

Method: 9014 - Cyanide, Reactive

Lab Sample ID: MB 460-113452/1-A
Matrix: Solid
Analysis Batch: 113477

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 113452

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		05/18/12 16:00	05/21/12 12:35	1

Lab Sample ID: LCS 460-113452/2-A
Matrix: Solid
Analysis Batch: 113477

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 113452

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Reactive	39.8	25.0	U	mg/Kg		12	10 - 100

Method: 9034 - Sulfide, Reactive

Lab Sample ID: MB 460-113310/1-A
Matrix: Solid
Analysis Batch: 113316

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 113310

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		05/17/12 14:00	05/18/12 13:33	1

Method: 9034 - Sulfide, Reactive (Continued)

Lab Sample ID: LCS 460-113310/2-A
Matrix: Solid
Analysis Batch: 113316

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 113310

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide, Reactive	22.5	25.01		mg/Kg		111	70 - 130

Method: 9045C - pH

Lab Sample ID: MB 460-113113/2
Matrix: Solid
Analysis Batch: 113113

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.890				SU			05/17/12 17:17	1
Corrosivity	5.890				SU			05/17/12 17:17	1

Lab Sample ID: LCS 460-113113/3
Matrix: Solid
Analysis Batch: 113113

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
pH	7.03	7.060		SU		100	95 - 105
Corrosivity	7.03	7.060		SU		100	95 - 105

QC Association Summary

Client: Shaw Environmental & Infrastructure, Inc
Project/Site: Cond Edison 500 Kent Ave, Brooklyn

TestAmerica Job ID: 460-40305-1

GC/MS VOA

Leach Batch: 113015

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-40305-1	Disp-1	TCLP	Solid	1311	
LB 460-113015/1-A LB	Method Blank	TCLP	Solid	1311	

Analysis Batch: 113327

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-40305-1	Disp-1	TCLP	Solid	8260B	
LB 460-113015/1-A LB	Method Blank	TCLP	Solid	8260B	
LCS 460-113327/3	Lab Control Sample	Total/NA	Solid	8260B	
MB 460-113327/4	Method Blank	Total/NA	Solid	8260B	

GC/MS Semi VOA

Leach Batch: 112889

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 460-112889/1-E LB	Method Blank	TCLP	Solid	1311	

Prep Batch: 112995

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 460-112889/1-E LB	Method Blank	TCLP	Solid	3510C	112889
MB 460-112995/1-A	Method Blank	Total/NA	Solid	3510C	

Leach Batch: 113043

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-40305-1	Disp-1	TCLP	Solid	1311	
LB 460-113043/1-D LB	Method Blank	TCLP	Solid	1311	

Prep Batch: 113114

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-40305-1	Disp-1	TCLP	Solid	3510C	113043
LB 460-113043/1-D LB	Method Blank	TCLP	Solid	3510C	113043
LCS 460-113114/2-A	Lab Control Sample	Total/NA	Solid	3510C	
MB 460-113114/1-A	Method Blank	Total/NA	Solid	3510C	

Analysis Batch: 113122

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 460-112889/1-E LB	Method Blank	TCLP	Solid	8270C	112995
MB 460-112995/1-A	Method Blank	Total/NA	Solid	8270C	112995

Analysis Batch: 113486

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-40305-1	Disp-1	TCLP	Solid	8270C	113114
LB 460-113043/1-D LB	Method Blank	TCLP	Solid	8270C	113114
LCS 460-113114/2-A	Lab Control Sample	Total/NA	Solid	8270C	113114
MB 460-113114/1-A	Method Blank	Total/NA	Solid	8270C	113114

GC Semi VOA

Prep Batch: 113080

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-40305-1	Disp-1	Total/NA	Solid	3541	
LCS 460-113080/2-A	Lab Control Sample	Total/NA	Solid	3541	
MB 460-113080/1-A	Method Blank	Total/NA	Solid	3541	

GC Semi VOA (Continued)

Analysis Batch: 113288

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-40305-1	Disp-1	Total/NA	Solid	8082	113080
LCS 460-113080/2-A	Lab Control Sample	Total/NA	Solid	8082	113080
MB 460-113080/1-A	Method Blank	Total/NA	Solid	8082	113080

Metals

Prep Batch: 112883

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-40305-1	Disp-1	Total/NA	Solid	7471A	
LCSSRM 460-112883/11-A ^10	Lab Control Sample	Total/NA	Solid	7471A	
MB 460-112883/10-A	Method Blank	Total/NA	Solid	7471A	

Analysis Batch: 112895

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-40305-1	Disp-1	Total/NA	Solid	7471A	112883
LCSSRM 460-112883/11-A ^10	Lab Control Sample	Total/NA	Solid	7471A	112883
MB 460-112883/10-A	Method Blank	Total/NA	Solid	7471A	112883

Prep Batch: 112925

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-40305-1	Disp-1	Total/NA	Solid	3050B	
LCSSRM 460-112925/2-A ^4	Lab Control Sample	Total/NA	Solid	3050B	
MB 460-112925/1-A ^2	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 113096

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-40305-1	Disp-1	Total/NA	Solid	6010B	112925
LCSSRM 460-112925/2-A ^4	Lab Control Sample	Total/NA	Solid	6010B	112925
MB 460-112925/1-A ^2	Method Blank	Total/NA	Solid	6010B	112925

General Chemistry

Analysis Batch: 113113

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-40305-1	Disp-1	Total/NA	Solid	9045C	
LCS 460-113113/3	Lab Control Sample	Total/NA	Solid	9045C	
MB 460-113113/2	Method Blank	Total/NA	Solid	9045C	

Analysis Batch: 113119

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-40305-1	Disp-1	Total/NA	Solid	1030	

Analysis Batch: 113174

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-40305-1	Disp-1	Total/NA	Solid	Moisture	

Prep Batch: 113310

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-40305-1	Disp-1	Total/NA	Solid	7.3.4	
LCS 460-113310/2-A	Lab Control Sample	Total/NA	Solid	7.3.4	
MB 460-113310/1-A	Method Blank	Total/NA	Solid	7.3.4	

General Chemistry (Continued)

Analysis Batch: 113316

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-40305-1	Disp-1	Total/NA	Solid	9034	113310
LCS 460-113310/2-A	Lab Control Sample	Total/NA	Solid	9034	113310
MB 460-113310/1-A	Method Blank	Total/NA	Solid	9034	113310

Prep Batch: 113452

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-40305-1	Disp-1	Total/NA	Solid	7.3.3	
LCS 460-113452/2-A	Lab Control Sample	Total/NA	Solid	7.3.3	
MB 460-113452/1-A	Method Blank	Total/NA	Solid	7.3.3	

Analysis Batch: 113477

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-40305-1	Disp-1	Total/NA	Solid	9014	113452
LCS 460-113452/2-A	Lab Control Sample	Total/NA	Solid	9014	113452
MB 460-113452/1-A	Method Blank	Total/NA	Solid	9014	113452

Lab Chronicle

Client: Shaw Environmental & Infrastructure, Inc
Project/Site: Cond Edison 500 Kent Ave, Brooklyn

TestAmerica Job ID: 460-40305-1

Client Sample ID: Disp-1
Date Collected: 05/11/12 15:00
Date Received: 05/15/12 16:35

Lab Sample ID: 460-40305-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			113015	05/17/12 14:08	FHW	TAL EDI
TCLP	Analysis	8260B		10	113327	05/21/12 15:36	SD	TAL EDI
TCLP	Leach	1311			113043	05/17/12 16:00	YH	TAL EDI
TCLP	Prep	3510C			113114	05/18/12 09:51	ME	TAL EDI
TCLP	Analysis	8270C		1	113486	05/21/12 15:41	MC	TAL EDI
Total/NA	Prep	3541			113080	05/18/12 09:25	ARA	TAL EDI
Total/NA	Analysis	8082		1	113288	05/21/12 04:25	SK	TAL EDI
Total/NA	Prep	7471A			112883	05/16/12 17:45	TS	TAL EDI
Total/NA	Analysis	7471A		1	112895	05/16/12 21:07	TS	TAL EDI
Total/NA	Prep	3050B			112925	05/17/12 07:37	MC	TAL EDI
Total/NA	Analysis	6010B		4	113096	05/17/12 22:16	CDC	TAL EDI
Total/NA	Analysis	9045C		1	113113	05/17/12 17:25	MB	TAL EDI
Total/NA	Analysis	1030		1	113119	05/17/12 14:15	MB	TAL EDI
Total/NA	Analysis	Moisture		1	113174	05/18/12 16:01	CHA	TAL EDI
Total/NA	Prep	7.3.4			113310	05/17/12 14:00	MB	TAL EDI
Total/NA	Analysis	9034		1	113316	05/18/12 13:33	MB	TAL EDI
Total/NA	Prep	7.3.3			113452	05/18/12 16:00	MB	TAL EDI
Total/NA	Analysis	9014		1	113477	05/21/12 12:35	MB	TAL EDI

Laboratory References:

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

Certification Summary

Client: Shaw Environmental & Infrastructure, Inc
Project/Site: Cond Edison 500 Kent Ave, Brooklyn

TestAmerica Job ID: 460-40305-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Edison	Connecticut	State Program	1	PH-0200
TestAmerica Edison	DE Haz. Subst. Cleanup Act (HSCA)	State Program	3	N/A
TestAmerica Edison	New Jersey	NELAC	2	12028
TestAmerica Edison	New York	NELAC	2	11452
TestAmerica Edison	Pennsylvania	NELAC	3	68-00522
TestAmerica Edison	Rhode Island	State Program	1	LAO00132
TestAmerica Edison	USDA	Federal		NJCA-003-08

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method Summary

Client: Shaw Environmental & Infrastructure, Inc
Project/Site: Cond Edison 500 Kent Ave, Brooklyn

TestAmerica Job ID: 460-40305-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL EDI
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL EDI
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL EDI
6010B	Metals (ICP)	SW846	TAL EDI
7471A	Mercury (CVAA)	SW846	TAL EDI
1030	Ignitability, Solids	SW846	TAL EDI
9014	Cyanide, Reactive	SW846	TAL EDI
9034	Sulfide, Reactive	SW846	TAL EDI
9045C	pH	SW846	TAL EDI
Moisture	Percent Moisture	EPA	TAL EDI

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

Sample Summary

Client: Shaw Environmental & Infrastructure, Inc
Project/Site: Cond Edison 500 Kent Ave, Brooklyn

TestAmerica Job ID: 460-40305-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-40305-1	Disp-1	Solid	05/11/12 15:00	05/15/12 16:35

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

CHAIN OF CUSTODY / ANALYSIS REQUEST

Name (for report and invoice) Attn: David Greffenius	Samplers Name (Printed) David Greffenius	Site/Project Identification Con Edison Kent Ave, Brooklyn
Company Shaw Environmental	P. O. # 126649	State (Location of site): NJ: ☐ NY: ☒ Other:
		Regulatory Program: CP-51, RCRA
Address 1633 Broadway, 30th Flr	Analysis Turnaround Time: Standard ☐	
City New York, State NY	Rush Charges Authorized For: 2 Week ☐ 1 Week ☐	
Phone 212/290-6109 Fax 212/290-6001	Other ☒ 5-day	

Sample Identification	Date	Time	Matrix	No. of Cont.	* RCRA Metals	TCLP VOCs	TCLP SVOCs	PCBs	Ignitability	pH	Reactive Sulfide	Reactive Cyanide				LAB USE ONLY Project No: / Job No: 40305 / Sample Numbers
Disp - 1	5/11/12	1500	Soil	4	X	X	X	X	X	X	X	X				1

Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH — Soil: None
6 = Other _____, 7 = Other _____ — Water:

Special Instructions * Metals: RCRA 8 — Water Metals Filtered (Yes/No)? _____

Relinquished by	Company	Date / Time	Received by	Company
1) Dave Greffenius	Shaw E&I	5/15/12 1445	1) Paul OB	TEST AMER
2)			2)	
3) Paul OB	TEST AMER	5/15/12 1635	3) Susan Lyon	TA Edison 5/15/12 1635
4)			4) 1.6 °C	

5 DAY RUSH

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132).
Massachusetts (M-NJ312), North Carolina (No. 578)

Login Sample Receipt Checklist

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40305-1

Login Number: 40305

List Source: TestAmerica Edison

List Number: 1

Creator: Meyers, Gary

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	Not present
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	1.6 ° C iR #50
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 sample IDs on the containers 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.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	No analysis requiring residual chlorine check assigned.

ATTACHMENT 5

ANALYTICAL LABORATORY REPORTS

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 460-40258-1

Job Description: Cond Edison 500 Kent Ave, Brooklyn

For:
Shaw Environmental & Infrastructure, Inc
1633 Broadway
30th Floor
New York, NY 10019

Attention: David Greffenius

Approved for release.
Brian R Tortorete
Project Manager II
6/25/2012 1:41 PM

Brian R Tortorete
Project Manager II
brian.tortorete@testamericainc.com
06/25/2012
Revision: 1

The test results in this report meet all NELAP requirements unless specified within the case narrative. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Edison Project Manager.

TestAmerica Edison Certifications and Approvals: Connecticut: CTDOH #PH-0200, New Jersey: NJDEP (NELAP) #12028, New York: NYDOH (NELAP) #11452, NYDOH (ELAP) #11452, Pennsylvania: PADEP (NELAP) 68-00522 and Rhode Island: RIDOH LAO00132

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CASE NARRATIVE

Client: Shaw Environmental & Infrastructure, Inc

Project: Cond Edison 500 Kent Ave, Brooklyn

Report Number: 460-40258-1 Revision 1

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

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

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

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

RECEIPT

The samples were received on 5/15/2012 4:35 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.6º C.

Except:

Recieved samples as Dirt in Jar.

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

TOTAL METALS

Samples 460-40258-1 through 460-40258-11 and 460-40258-13 were analyzed for total metals in accordance with EPA SW-846 Method 6010B. The samples were prepared and analyzed on 05/17/2012.

As a standard practice all soil samples and related QC samples (i.e., MB, LCS, Dup, MS, SD) are diluted 2X-4X prior to analysis. Further dilutions may be required dependent upon analyte levels in the samples. Refer to the analytical results forms for dilutions.

Samples 460-40258-1 through 460-40258-11(4X) and 460-40258-13(4X) required dilution prior to analysis. The reporting limits have been adjusted accordingly.

The matrix duplicate %RPD for calcium associated with batch 112924 was outside the control limits. The matrix spike(MS) recoveries for calcium, antimony in batch 112924 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Refer to the QC report for details.

No other difficulties were encountered during the metals analyses.

All other quality control parameters were within the acceptance limits.

HEXAVALENT CHROMIUM

Samples 460-40258-1 through 460-40258-11 and 460-40258-13 were analyzed for hexavalent chromium in accordance with EPA SW-846 Method 3060A/7196A. The samples were prepared and analyzed on 05/21/2012.

No difficulties were encountered during the hexchrome Cr6 analyses.

All quality control parameters were within the acceptance limits.

TOTAL MERCURY
Samples 460-40258-1 through 460-40258-11 and 460-40258-13 were analyzed for total mercury in accordance with EPA SW-846 Method 7471A. The samples were prepared and analyzed on 05/16/2012.

No difficulties were encountered during the Hg analyses.

All quality control parameters were within the acceptance limits.

VOLATILE ORGANIC COMPOUNDS (GC-MS)
Samples 460-40258-1 through 460-40258-10, 460-40258-12 and 460-40258-13 were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were prepared on 05/16/2012 and analyzed on 05/18/2012.

Methylene Chloride and Toluene were detected in method blank LB3 460-112896/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged. Acetone was detected in method blank MB 460-113081/5 at a level exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged. Methylene Chloride was detected in method blank MB 460-113081/5 at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged. Refer to the QC report for details.

The matrix spike / matrix spike duplicate (MS/MSD) recoveries of several analytes were outside control limits in batch 113082. 1,2,4-Trimethylbenzene was present in the original sample at a high concentration relative to the spike amount. The associated laboratory control sample (LCS) recovery met acceptance criteria.

The matrix spike duplicate (MSD) recoveries for batch 112972 were outside control limits for cis-1,3-Dichloropropene, trans-1,3-Dichloropropene and Bromoform. The associated laboratory control sample (LCS) recoveries met acceptance criteria.

The following sample was diluted due to the abundance of target analytes: DB-5 21-21.5' (460-40258-7). Elevated reporting limits (RLs) are provided.

The following sample was diluted due to the abundance of target and non-target analytes: DB-6 30-30.5' (460-40258-12). Elevated reporting limits (RLs) are provided.

Refer to the QC report for details.

No other difficulties were encountered during the volatiles analyses.

All other quality control parameters were within the acceptance limits.

VOLATILE ORGANIC COMPOUNDS (GC-MS)
Sample 460-40258-14 was analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 05/17/2012.

Bromoform, cis-1,3-Dichloropropene and trans-1,3-Dichloropropene failed the recovery criteria low for the MSD of sample 460-40177-14 in batch 460-112972. The presence of the '4' qualifier in the report indicates analytes where the concentration in the unspiked sample exceeded four times the spiking amount.

Refer to the QC report for details.

No other difficulties were encountered during the volatiles analysis.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)
Samples 460-40258-1 through 460-40258-11 and 460-40258-13 were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were prepared on 05/17/2012 and 05/18/2012 and analyzed on 05/18/2012, 05/20/2012 and 05/21/2012.

2,4,6-Tribromophenol, 2-Fluorobiphenyl, 2-Fluorophenol, Nitrobenzene-d5, Phenol-d5 and Terphenyl-d14 failed the surrogate recovery criteria low for 460-40276-A-30-A MS. 2,4,6-Tribromophenol, 2-Fluorobiphenyl, 2-Fluorophenol, Nitrobenzene-d5, Phenol-d5 and Terphenyl-d14 failed the surrogate recovery criteria low for 460-40276-A-30-B MSD. Refer to the QC report for details.

The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 112983 were outside control limits for 2,4-Dinitrophenol and Benzoic acid. The %RPD did not calculate (NC) for Benzoic acid. The associated laboratory control sample (LCS) recovery met acceptance criteria.

The matrix spike/ matrix spike duplicate (MS/MSD) associated with batch 113111 were diluted due to the nature of the sample matrix and abundance of target analytes: AOC18-26(11.5-12) (460-40276-30 MS), AOC18-26(11.5-12) (460-40276-30 MSD). As such, surrogate and spike recoveries were diluted out and are not reported.

Matrix spikes for batch 113111 could not be recovered due to sample matrix interferences which required sample dilution. The associated laboratory control sample (LCS) met acceptance criteria.

Due to the high concentration of 2-Methylnaphthalene and Phenanthrene, the matrix spike / matrix spike duplicate (MS/MSD) for batch 11311 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

Refer to the QC report for details.

Sample 460-40258-11(5X) required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the semivolatiles analyses.

All other quality control parameters were within the acceptance limits.

TOTAL CYANIDE

Samples 460-40258-1 through 460-40258-11 and 460-40258-13 were analyzed for total cyanide in accordance with EPA SW-846 Method 9012A. The samples were prepared and analyzed on 05/22/2012.

No difficulties were encountered during the cyanide analyses.

All quality control parameters were within the acceptance limits.

PERCENT SOLIDS

Samples 460-40258-1 through 460-40258-13 were analyzed for percent solids in accordance with ASTM D2974-87 Modified. The samples were analyzed on 05/19/2012.

No difficulties were encountered during the % solids analyses.

All quality control parameters were within the acceptance limits.

SAMPLE SUMMARY

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
460-40258-1	DB-1 23-23.5'	Solid	05/10/2012 1235	05/15/2012 1635
460-40258-2	DB-1 34.5-35'	Solid	05/10/2012 1245	05/15/2012 1635
460-40258-3	DB-2 13.5-14'	Solid	05/10/2012 1400	05/15/2012 1635
460-40258-4	DB-2 34.5-35'	Solid	05/10/2012 1450	05/15/2012 1635
460-40258-5	DB-3 20.5-21'	Solid	05/10/2012 1640	05/15/2012 1635
460-40258-6	DB-3 30.5-31'	Solid	05/10/2012 1655	05/15/2012 1635
460-40258-7	DB-5 21-21.5'	Solid	05/11/2012 1435	05/15/2012 1635
460-40258-8	DB-5 35-35.5'	Solid	05/11/2012 1450	05/15/2012 1635
460-40258-9	DB-5 49.5-50'	Solid	05/11/2012 1605	05/15/2012 1635
460-40258-10	DB-6 15-15.5'	Solid	05/11/2012 1015	05/15/2012 1635
460-40258-11	DB-6 29.5-30'	Solid	05/11/2012 1045	05/15/2012 1635
460-40258-12	DB-6 30-30.5'	Solid	05/11/2012 1050	05/15/2012 1635
460-40258-13	DB-6 39.5-40'	Solid	05/11/2012 1055	05/15/2012 1635
460-40258-14TB	Trip Blank	Water	05/11/2012 0000	05/15/2012 1635

EXECUTIVE SUMMARY - Detections

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-40258-1	**DB-1 23-23.5'**					
Carbon disulfide		3.7		1.2	ug/Kg	8260B
2-Butanone		6.2	J	12	ug/Kg	8260B
Isopropylbenzene		0.88	J	1.2	ug/Kg	8260B
Benzene		0.25	J	1.2	ug/Kg	8260B
Acetone		80	B	12	ug/Kg	8260B
Methylene Chloride		3.3	B	1.2	ug/Kg	8260B
Toluene		0.38	J B	1.2	ug/Kg	8260B
o-Xylene		0.35	J	1.2	ug/Kg	8260B
Chlorobenzene		1.2		1.2	ug/Kg	8260B
trans-1,2-Dichloroethene		0.36	J	1.2	ug/Kg	8260B
Ethylbenzene		9.5		1.2	ug/Kg	8260B
N-Propylbenzene		0.75	J	1.2	ug/Kg	8260B
Arsenic		5.2		1.1	mg/Kg	6010B
Barium		33.7	J	42.7	mg/Kg	6010B
Beryllium		0.15	J	0.43	mg/Kg	6010B
Chromium (total)		7.2		2.1	mg/Kg	6010B
Cobalt		3.3	J	10.7	mg/Kg	6010B
Copper		6.9		5.3	mg/Kg	6010B
Iron		8600		32.0	mg/Kg	6010B
Lead		2.9		1.1	mg/Kg	6010B
Manganese		113		3.2	mg/Kg	6010B
Nickel		7.4	J	8.5	mg/Kg	6010B
Vanadium		12.5		10.7	mg/Kg	6010B
Zinc		15.9		6.4	mg/Kg	6010B
Cr (III)		7.2		2.0	mg/Kg	7196A
Percent Moisture		14.1		1.0	%	Moisture
Percent Solids		85.9		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-40258-2	**DB-1 34.5-35'**					
Carbon disulfide		3.6		1.1	ug/Kg	8260B
Isopropylbenzene		0.35	J	1.1	ug/Kg	8260B
Acetone		62	B	11	ug/Kg	8260B
Methylene Chloride		5.9	B	1.1	ug/Kg	8260B
Toluene		0.51	J B	1.1	ug/Kg	8260B
Chlorobenzene		1.5		1.1	ug/Kg	8260B
1,1-Dichloroethene		0.26	J	1.1	ug/Kg	8260B
Ethylbenzene		0.31	J	1.1	ug/Kg	8260B
Methylcyclohexane		0.27	J	1.1	ug/Kg	8260B
cis-1,2-Dichloroethene		2.2		1.1	ug/Kg	8260B
Vinyl chloride		0.93	J	1.1	ug/Kg	8260B
Bis(2-ethylhexyl) phthalate		5400		400	ug/Kg	8270C
2-Methylnaphthalene		66	J	400	ug/Kg	8270C
Acenaphthene		420		400	ug/Kg	8270C
Acenaphthylene		99	J	400	ug/Kg	8270C
Anthracene		280	J	400	ug/Kg	8270C
Benzo[a]anthracene		1000		40	ug/Kg	8270C
Benzo[a]pyrene		880		40	ug/Kg	8270C
Benzo[b]fluoranthene		820		40	ug/Kg	8270C
Benzo[g,h,i]perylene		530		400	ug/Kg	8270C
Benzo[k]fluoranthene		340		40	ug/Kg	8270C
Chrysene		1000		400	ug/Kg	8270C
Dibenz(a,h)anthracene		110		40	ug/Kg	8270C
Fluoranthene		1100		400	ug/Kg	8270C
Fluorene		120	J	400	ug/Kg	8270C
Indeno[1,2,3-cd]pyrene		530		40	ug/Kg	8270C
Phenanthrene		720		400	ug/Kg	8270C
Pyrene		1600		400	ug/Kg	8270C
Carbazole		96	J	400	ug/Kg	8270C
Dibenzofuran		55	J	400	ug/Kg	8270C
Naphthalene		130	J	400	ug/Kg	8270C
Arsenic		17.8		1.1	mg/Kg	6010B
Barium		55.5		45.3	mg/Kg	6010B
Beryllium		0.26	J	0.45	mg/Kg	6010B
Cadmium		0.42	J	1.1	mg/Kg	6010B
Chromium (total)		90.4		2.3	mg/Kg	6010B
Cobalt		4.1	J	11.3	mg/Kg	6010B
Copper		114		5.7	mg/Kg	6010B
Iron		20200		33.9	mg/Kg	6010B
Lead		244		1.1	mg/Kg	6010B
Manganese		380		3.4	mg/Kg	6010B
Nickel		32.3		9.1	mg/Kg	6010B
Silver		0.51	J	2.3	mg/Kg	6010B
Vanadium		11.1	J	11.3	mg/Kg	6010B
Zinc		112		6.8	mg/Kg	6010B
Mercury		0.27		0.040	mg/Kg	7471A

EXECUTIVE SUMMARY - Detections

Client: Shaw Environmental & Infrastructure, Inc Job Number: 460-40258-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
Cr (III)		90.4		2.0	mg/Kg	7196A
Percent Moisture		16.6		1.0	%	Moisture
Percent Solids		83.4		1.0	%	Moisture
460-40258-3	**DB-2 13.5-14'**					
Carbon disulfide		3.9		1.1	ug/Kg	8260B
Acetone		35	B	11	ug/Kg	8260B
Methylene Chloride		2.0	B	1.1	ug/Kg	8260B
Toluene		0.28	J B	1.1	ug/Kg	8260B
Acenaphthene		86	J	390	ug/Kg	8270C
Anthracene		110	J	390	ug/Kg	8270C
Benzo[a]anthracene		280		39	ug/Kg	8270C
Benzo[a]pyrene		230		39	ug/Kg	8270C
Benzo[b]fluoranthene		260		39	ug/Kg	8270C
Benzo[g,h,i]perylene		160	J	390	ug/Kg	8270C
Benzo[k]fluoranthene		130		39	ug/Kg	8270C
Chrysene		290	J	390	ug/Kg	8270C
Dibenz(a,h)anthracene		43		39	ug/Kg	8270C
Fluoranthene		630		390	ug/Kg	8270C
Fluorene		59	J	390	ug/Kg	8270C
Indeno[1,2,3-cd]pyrene		160		39	ug/Kg	8270C
Phenanthrene		460		390	ug/Kg	8270C
Pyrene		540		390	ug/Kg	8270C
Dibenzofuran		47	J	390	ug/Kg	8270C
Arsenic		14.4		1.1	mg/Kg	6010B
Barium		84.1		42.1	mg/Kg	6010B
Beryllium		0.42		0.42	mg/Kg	6010B
Cadmium		0.48	J	1.1	mg/Kg	6010B
Chromium (total)		22.1		2.1	mg/Kg	6010B
Cobalt		5.0	J	10.5	mg/Kg	6010B
Copper		37.9		5.3	mg/Kg	6010B
Iron		15300		31.6	mg/Kg	6010B
Lead		91.9		1.1	mg/Kg	6010B
Manganese		217		3.2	mg/Kg	6010B
Nickel		18.5		8.4	mg/Kg	6010B
Silver		0.38	J	2.1	mg/Kg	6010B
Vanadium		22.9		10.5	mg/Kg	6010B
Zinc		87.5		6.3	mg/Kg	6010B
Mercury		0.041		0.036	mg/Kg	7471A
Cr (III)		22.1		2.0	mg/Kg	7196A
Percent Moisture		15.1		1.0	%	Moisture
Percent Solids		84.9		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Shaw Environmental & Infrastructure, Inc Job Number: 460-40258-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-40258-4	**DB-2 34.5-35'**					
Carbon disulfide		3.7		0.96	ug/Kg	8260B
Acetone		42	B	9.6	ug/Kg	8260B
Methylene Chloride		1.2	B	0.96	ug/Kg	8260B
Toluene		0.24	J B	0.96	ug/Kg	8260B
Arsenic		5.1		1.1	mg/Kg	6010B
Barium		70.8		44.0	mg/Kg	6010B
Beryllium		0.29	J	0.44	mg/Kg	6010B
Chromium (total)		24.9		2.2	mg/Kg	6010B
Cobalt		8.2	J	11.0	mg/Kg	6010B
Copper		50.5		5.5	mg/Kg	6010B
Iron		28600		33.0	mg/Kg	6010B
Lead		7.9		1.1	mg/Kg	6010B
Manganese		460		3.3	mg/Kg	6010B
Nickel		18.3		8.8	mg/Kg	6010B
Silver		0.37	J	2.2	mg/Kg	6010B
Vanadium		45.9		11.0	mg/Kg	6010B
Zinc		43.4		6.6	mg/Kg	6010B
Cr (III)		24.9		2.0	mg/Kg	7196A
Percent Moisture		10.8		1.0	%	Moisture
Percent Solids		89.2		1.0	%	Moisture
460-40258-5	**DB-3 20.5-21'**					
Carbon disulfide		3.1		1.1	ug/Kg	8260B
Acetone		42	B	11	ug/Kg	8260B
Methylene Chloride		3.3	B	1.1	ug/Kg	8260B
Arsenic		2.5		1.2	mg/Kg	6010B
Barium		13.9	J	46.1	mg/Kg	6010B
Chromium (total)		10.1		2.3	mg/Kg	6010B
Cobalt		3.2	J	11.5	mg/Kg	6010B
Copper		7.2		5.8	mg/Kg	6010B
Iron		10700		34.6	mg/Kg	6010B
Lead		9.4		1.2	mg/Kg	6010B
Manganese		93.7		3.5	mg/Kg	6010B
Nickel		7.7	J	9.2	mg/Kg	6010B
Vanadium		15.7		11.5	mg/Kg	6010B
Zinc		19.4		6.9	mg/Kg	6010B
Cr (III)		10.1		2.0	mg/Kg	7196A
Percent Moisture		15.7		1.0	%	Moisture
Percent Solids		84.3		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Shaw Environmental & Infrastructure, Inc Job Number: 460-40258-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-40258-6	**DB-3 30.5-31'**					
Carbon disulfide		0.63	J	1.1	ug/Kg	8260B
Acetone		9.1	J B	11	ug/Kg	8260B
Methylene Chloride		5.0	B	1.1	ug/Kg	8260B
Arsenic		2.5		1.1	mg/Kg	6010B
Barium		41.7	J	43.6	mg/Kg	6010B
Beryllium		0.24	J	0.44	mg/Kg	6010B
Chromium (total)		17.9		2.2	mg/Kg	6010B
Cobalt		6.2	J	10.9	mg/Kg	6010B
Copper		21.1		5.4	mg/Kg	6010B
Iron		18700		32.7	mg/Kg	6010B
Lead		6.6		1.1	mg/Kg	6010B
Manganese		350		3.3	mg/Kg	6010B
Nickel		14.5		8.7	mg/Kg	6010B
Vanadium		25.2		10.9	mg/Kg	6010B
Zinc		34.0		6.5	mg/Kg	6010B
Cr (III)		17.9		2.0	mg/Kg	7196A
Percent Moisture		13.4		1.0	%	Moisture
Percent Solids		86.6		1.0	%	Moisture
460-40258-7	**DB-5 21-21.5'**					
Isopropylbenzene		75	J	110	ug/Kg	8260B
Methylcyclohexane		3600		110	ug/Kg	8260B
n-Butylbenzene		39	J	110	ug/Kg	8260B
sec-Butylbenzene		56	J	110	ug/Kg	8260B
N-Propylbenzene		73	J	110	ug/Kg	8260B
tert-Butylbenzene		20	J	110	ug/Kg	8260B
Arsenic		3.9		1.2	mg/Kg	6010B
Barium		24.6	J	46.2	mg/Kg	6010B
Beryllium		0.35	J	0.46	mg/Kg	6010B
Chromium (total)		10.9		2.3	mg/Kg	6010B
Cobalt		5.9	J	11.5	mg/Kg	6010B
Copper		19.8		5.8	mg/Kg	6010B
Iron		15000		34.6	mg/Kg	6010B
Lead		18.6		1.2	mg/Kg	6010B
Manganese		189		3.5	mg/Kg	6010B
Nickel		11.6		9.2	mg/Kg	6010B
Vanadium		15.2		11.5	mg/Kg	6010B
Zinc		40.2		6.9	mg/Kg	6010B
Cr (III)		10.9		2.0	mg/Kg	7196A
Percent Moisture		15.9		1.0	%	Moisture
Percent Solids		84.1		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Shaw Environmental & Infrastructure, Inc Job Number: 460-40258-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-40258-8	**DB-5 35-35.5'**					
Carbon disulfide		0.86	J	1.2	ug/Kg	8260B
Benzene		0.82	J	1.2	ug/Kg	8260B
Acetone		39	B	12	ug/Kg	8260B
Methylene Chloride		1.3	B	1.2	ug/Kg	8260B
Toluene		0.83	J B	1.2	ug/Kg	8260B
o-Xylene		2.1		1.2	ug/Kg	8260B
Ethylbenzene		3.7		1.2	ug/Kg	8260B
m&p-Xylene		1.5	J	2.4	ug/Kg	8260B
1,2,4-Trimethylbenzene		2.4		1.2	ug/Kg	8260B
N-Propylbenzene		0.18	J	1.2	ug/Kg	8260B
1,3,5-Trimethylbenzene		0.68	J	1.2	ug/Kg	8260B
Arsenic		3.0		1.1	mg/Kg	6010B
Barium		102		44.8	mg/Kg	6010B
Beryllium		0.53		0.45	mg/Kg	6010B
Chromium (total)		30.8		2.2	mg/Kg	6010B
Cobalt		11.4		11.2	mg/Kg	6010B
Copper		26.7		5.6	mg/Kg	6010B
Iron		25000		33.6	mg/Kg	6010B
Lead		11.2		1.1	mg/Kg	6010B
Manganese		524		3.4	mg/Kg	6010B
Nickel		28.0		9.0	mg/Kg	6010B
Silver		0.35	J	2.2	mg/Kg	6010B
Vanadium		35.7		11.2	mg/Kg	6010B
Zinc		70.9		6.7	mg/Kg	6010B
Cr (III)		30.8		2.0	mg/Kg	7196A
Percent Moisture		19.5		1.0	%	Moisture
Percent Solids		80.5		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-40258-9	**DB-5 49.5-50'**					
Carbon disulfide		0.21	J	1.0	ug/Kg	8260B
Acetone		54	B	10	ug/Kg	8260B
Methylene Chloride		1.9	B	1.0	ug/Kg	8260B
Toluene		0.30	J B	1.0	ug/Kg	8260B
Arsenic		1.8		1.1	mg/Kg	6010B
Barium		48.2		42.6	mg/Kg	6010B
Beryllium		0.21	J	0.43	mg/Kg	6010B
Chromium (total)		11.6		2.1	mg/Kg	6010B
Cobalt		5.1	J	10.7	mg/Kg	6010B
Copper		14.1		5.3	mg/Kg	6010B
Iron		15100		32.0	mg/Kg	6010B
Lead		4.9		1.1	mg/Kg	6010B
Manganese		321		3.2	mg/Kg	6010B
Nickel		11.9		8.5	mg/Kg	6010B
Vanadium		20.4		10.7	mg/Kg	6010B
Zinc		26.2		6.4	mg/Kg	6010B
Cr (III)		11.6		2.0	mg/Kg	7196A
Percent Moisture		9.8		1.0	%	Moisture
Percent Solids		90.2		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-40258-10	**DB-6 15-15.5'**					
Carbon disulfide		3.1		1.1	ug/Kg	8260B
2-Butanone		6.3	J	11	ug/Kg	8260B
Acetone		55	B	11	ug/Kg	8260B
Methylene Chloride		2.3	B	1.1	ug/Kg	8260B
Toluene		0.23	J B	1.1	ug/Kg	8260B
Benzo[a]anthracene		70		42	ug/Kg	8270C
Benzo[a]pyrene		110		42	ug/Kg	8270C
Benzo[b]fluoranthene		69		42	ug/Kg	8270C
Benzo[g,h,i]perylene		74	J	420	ug/Kg	8270C
Chrysene		66	J	420	ug/Kg	8270C
Indeno[1,2,3-cd]pyrene		51		42	ug/Kg	8270C
Pyrene		110	J	420	ug/Kg	8270C
Arsenic		5.9		1.3	mg/Kg	6010B
Barium		28.1	J	50.7	mg/Kg	6010B
Beryllium		0.43	J	0.51	mg/Kg	6010B
Chromium (total)		43.1		2.5	mg/Kg	6010B
Cobalt		6.3	J	12.7	mg/Kg	6010B
Copper		19.6		6.3	mg/Kg	6010B
Iron		28400		38.0	mg/Kg	6010B
Lead		51.4		1.3	mg/Kg	6010B
Manganese		301		3.8	mg/Kg	6010B
Nickel		14.8		10.1	mg/Kg	6010B
Vanadium		29.5		12.7	mg/Kg	6010B
Zinc		77.7		7.6	mg/Kg	6010B
Mercury		0.14		0.039	mg/Kg	7471A
Cr (III)		43.1		2.0	mg/Kg	7196A
Percent Moisture		21.1		1.0	%	Moisture
Percent Solids		78.9		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Shaw Environmental & Infrastructure, Inc Job Number: 460-40258-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-40258-11	**DB-6 29.5-30'**					
2-Methylnaphthalene		410	J	1800	ug/Kg	8270C
Acenaphthene		2800		1800	ug/Kg	8270C
Acenaphthylene		7000		1800	ug/Kg	8270C
Anthracene		6100		1800	ug/Kg	8270C
Benzo[a]anthracene		2800		180	ug/Kg	8270C
Benzo[a]pyrene		1800		180	ug/Kg	8270C
Benzo[b]fluoranthene		1300		180	ug/Kg	8270C
Benzo[g,h,i]perylene		600	J	1800	ug/Kg	8270C
Benzo[k]fluoranthene		460		180	ug/Kg	8270C
Chrysene		2700		1800	ug/Kg	8270C
Dibenz(a,h)anthracene		190		180	ug/Kg	8270C
Fluoranthene		5800		1800	ug/Kg	8270C
Fluorene		6600		1800	ug/Kg	8270C
Indeno[1,2,3-cd]pyrene		630		180	ug/Kg	8270C
Phenanthrene		21000		1800	ug/Kg	8270C
Pyrene		7500		1800	ug/Kg	8270C
Dibenzofuran		680	J	1800	ug/Kg	8270C
Diphenyl		2300		1800	ug/Kg	8270C
Naphthalene		5400		1800	ug/Kg	8270C
Arsenic		4.8		1.1	mg/Kg	6010B
Barium		23.5	J	43.1	mg/Kg	6010B
Beryllium		0.28	J	0.43	mg/Kg	6010B
Chromium (total)		15.3		2.2	mg/Kg	6010B
Cobalt		6.1	J	10.8	mg/Kg	6010B
Copper		21.5		5.4	mg/Kg	6010B
Iron		19100		32.3	mg/Kg	6010B
Lead		5.5		1.1	mg/Kg	6010B
Manganese		147		3.2	mg/Kg	6010B
Nickel		12.6		8.6	mg/Kg	6010B
Vanadium		25.8		10.8	mg/Kg	6010B
Zinc		31.8		6.5	mg/Kg	6010B
Cr (III)		15.3		2.0	mg/Kg	7196A
Percent Moisture		9.9		1.0	%	Moisture
Percent Solids		90.1		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-40258-12	**DB-6 30-30.5'**					
Styrene		1500		120	ug/Kg	8260B
Isopropylbenzene		430		120	ug/Kg	8260B
Benzene		640		120	ug/Kg	8260B
Toluene		420		120	ug/Kg	8260B
o-Xylene		3500		120	ug/Kg	8260B
Ethylbenzene		7200		120	ug/Kg	8260B
Methylcyclohexane		110	J	120	ug/Kg	8260B
Cyclohexane		81	J	120	ug/Kg	8260B
m&p-Xylene		5100		240	ug/Kg	8260B
1,2,4-Trimethylbenzene		8100		120	ug/Kg	8260B
sec-Butylbenzene		36	J	120	ug/Kg	8260B
N-Propylbenzene		510		120	ug/Kg	8260B
1,3,5-Trimethylbenzene		3000		120	ug/Kg	8260B
p-Isopropyltoluene		420		120	ug/Kg	8260B
Percent Moisture		11.4		1.0	%	Moisture
Percent Solids		88.6		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Shaw Environmental & Infrastructure, Inc Job Number: 460-40258-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-40258-13	**DB-6 39.5-40'**					
Styrene		1.8		1.1	ug/Kg	8260B
Isopropylbenzene		0.18	J	1.1	ug/Kg	8260B
Benzene		0.62	J	1.1	ug/Kg	8260B
Acetone		49	B	11	ug/Kg	8260B
Methylene Chloride		2.4	B	1.1	ug/Kg	8260B
Toluene		1.9	B	1.1	ug/Kg	8260B
o-Xylene		8.0		1.1	ug/Kg	8260B
Ethylbenzene		11		1.1	ug/Kg	8260B
m&p-Xylene		4.9		2.3	ug/Kg	8260B
1,2,4-Trimethylbenzene		6.1		1.1	ug/Kg	8260B
N-Propylbenzene		0.42	J	1.1	ug/Kg	8260B
1,3,5-Trimethylbenzene		1.6		1.1	ug/Kg	8260B
p-Isopropyltoluene		0.18	J	1.1	ug/Kg	8260B
Naphthalene		150	J	420	ug/Kg	8270C
Arsenic		4.5		1.2	mg/Kg	6010B
Barium		219		47.3	mg/Kg	6010B
Beryllium		0.80		0.47	mg/Kg	6010B
Cadmium		0.18	J	1.2	mg/Kg	6010B
Chromium (total)		51.7		2.4	mg/Kg	6010B
Cobalt		20.1		11.8	mg/Kg	6010B
Copper		40.1		5.9	mg/Kg	6010B
Iron		37500		35.4	mg/Kg	6010B
Lead		14.9		1.2	mg/Kg	6010B
Manganese		608		3.5	mg/Kg	6010B
Nickel		51.9		9.5	mg/Kg	6010B
Silver		0.82	J	2.4	mg/Kg	6010B
Vanadium		55.0		11.8	mg/Kg	6010B
Zinc		98.1		7.1	mg/Kg	6010B
Cr (III)		51.7		2.0	mg/Kg	7196A
Percent Moisture		22.3		1.0	%	Moisture
Percent Solids		77.7		1.0	%	Moisture
460-40258-14TB	**TRIP BLANK**					
Methylene Chloride		5.1		1.0	ug/L	8260B

METHOD SUMMARY

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Description	Lab Location	Method	Preparation Method
Matrix Solid			
Volatile Organic Compounds (GC/MS)	TAL EDI	SW846 8260B	
Closed System Purge and Trap	TAL EDI		SW846 5035
Semivolatile Organic Compounds (GC/MS)	TAL EDI	SW846 8270C	
Automated Soxhlet Extraction	TAL EDI		SW846 3541
Metals (ICP)	TAL EDI	SW846 6010B	
Preparation, Metals	TAL EDI		SW846 3050B
Mercury (CVAA)	TAL EDI	SW846 7471A	
Preparation, Mercury	TAL EDI		SW846 7471A
Chromium, Hexavalent	TAL EDI	SW846 7196A	
Alkaline Digestion (Chromium, Hexavalent)	TAL EDI		SW846 3060A
Chromium, Trivalent (Colorimetric)	TAL EDI	SW846 7196A	
Cyanide, Total and/or Amenable	TAL EDI	SW846 9012A	
Cyanide, Total and/or Amenable, Distillation	TAL EDI		SW846 9012A
Percent Moisture	TAL EDI	EPA Moisture	
Matrix Water			
Volatile Organic Compounds (GC/MS)	TAL EDI	SW846 8260B	
Purge and Trap	TAL EDI		SW846 5030B

Lab References:

TAL EDI = TestAmerica Edison

Method References:

EPA = US Environmental Protection Agency

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

METHOD / ANALYST SUMMARY

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Method	Analyst	Analyst ID
SW846 8260B	Desai, Saurab	SD
SW846 8260B	Tupayachi, Audberto	AT
SW846 8270C	Asfaw, Abebaye A.	AAA
SW846 8270C	Zhao, Chunxin	CZ
SW846 6010B	Chang, Churn Der	CDC
SW846 7471A	Staib, Thomas	TS
SW846 7196A	Demone, Laura	LD
SW846 7196A	Leye, Mamadou	ML
SW846 9012A	Vu, Huan	HV
EPA Moisture	Bobo, Steve	SB

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Client Sample ID: **DB-1 23-23.5'**

Lab Sample ID: 460-40258-1
Client Matrix: Solid
% Moisture: 14.1
Date Sampled: 05/10/2012 1235
Date Received: 05/15/2012 1635

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-113081	Instrument ID:	VOAMS12
Prep Method:	5035	Prep Batch:	460-112896	Lab File ID:	o60385.d
Dilution:	1.0			Initial Weight/Volume:	4.99 g
Analysis Date:	05/18/2012 0903			Final Weight/Volume:	5 mL
Prep Date:	05/16/2012 2216				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Carbon disulfide		3.7		0.17	1.2
Tetrachloroethene		0.14	U	0.14	1.2
1,2-Dichloropropane		0.17	U	0.17	1.2
4-Methyl-2-pentanone		0.23	U	0.23	12
1,1,2-Trichloro-1,2,2-trichfluoroethane		0.13	U	0.13	1.2
Dibromochloromethane		0.12	U	0.12	1.2
1,2,4-Trichlorobenzene		0.22	U	0.22	1.2
Styrene		0.33	U	0.33	1.2
1,2,3-Trichlorobenzene		0.19	U	0.19	1.2
1,1,2,2-Tetrachloroethane		0.10	U	0.10	1.2
Chloroethane		0.38	U	0.38	1.2
2-Butanone		6.2	J	0.73	12
Isopropylbenzene		0.88	J	0.13	1.2
1,1,1-Trichloroethane		0.15	U	0.15	1.2
Benzene		0.25	J	0.17	1.2
cis-1,3-Dichloropropene		0.16	U	0.16	1.2
Bromochloromethane		0.13	U	0.13	1.2
Bromoform		0.20	U	0.20	1.2
1,1-Dichloroethane		0.13	U	0.13	1.2
1,2-Dichloroethane		0.21	U	0.21	1.2
1,1,2-Trichloroethane		0.16	U	0.16	1.2
Acetone		80	B	2.0	12
Methyl acetate		0.37	U	0.37	1.2
Dichlorodifluoromethane		0.26	U	0.26	1.2
Methylene Chloride		3.3	B	0.17	1.2
Chloromethane		0.19	U	0.19	1.2
Bromomethane		0.50	U	0.50	1.2
Toluene		0.38	J B	0.16	1.2
o-Xylene		0.35	J	0.22	1.2
Chlorobenzene		1.2		0.21	1.2
1,2-Dibromo-3-Chloropropane		0.51	U	0.51	1.2
1,3-Dichlorobenzene		0.19	U	0.19	1.2
MTBE		0.13	U	0.13	1.2
trans-1,2-Dichloroethene		0.36	J	0.15	1.2
1,4-Dioxane		15	U	15	58
1,1-Dichloroethene		0.22	U	0.22	1.2
1,2-Dichlorobenzene		0.12	U	0.12	1.2
Trichloroethene		0.14	U	0.14	1.2
2-Hexanone		0.15	U	0.15	12
Ethylbenzene		9.5		0.20	1.2
Methylcyclohexane		0.12	U	0.12	1.2
Trichlorofluoromethane		0.19	U	0.19	1.2
Cyclohexane		0.15	U	0.15	1.2
trans-1,3-Dichloropropene		0.12	U	0.12	1.2
cis-1,2-Dichloroethene		0.13	U	0.13	1.2
Chloroform		0.28	U	0.28	1.2

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Client Sample ID: **DB-1 23-23.5'**

Lab Sample ID: 460-40258-1
Client Matrix: Solid
% Moisture: 14.1
Date Sampled: 05/10/2012 1235
Date Received: 05/15/2012 1635

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-113081	Instrument ID:	VOAMS12
Prep Method:	5035	Prep Batch:	460-112896	Lab File ID:	o60385.d
Dilution:	1.0			Initial Weight/Volume:	4.99 g
Analysis Date:	05/18/2012 0903			Final Weight/Volume:	5 mL
Prep Date:	05/16/2012 2216				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
m&p-Xylene		0.69	U	0.69	2.3
Vinyl chloride		0.40	U	0.40	1.2
1,2-Dibromoethane		0.17	U	0.17	1.2
Carbon tetrachloride		0.17	U	0.17	1.2
1,4-Dichlorobenzene		0.13	U	0.13	1.2
Bromodichloromethane		0.37	U	0.37	1.2
n-Butylbenzene		0.093	U	0.093	1.2
1,2,4-Trimethylbenzene		0.17	U	0.17	1.2
sec-Butylbenzene		0.15	U	0.15	1.2
N-Propylbenzene		0.75	J	0.17	1.2
1,3,5-Trimethylbenzene		0.14	U	0.14	1.2
tert-Butylbenzene		0.14	U	0.14	1.2
p-Isopropyltoluene		0.16	U	0.16	1.2

Surrogate	%Rec	Qualifier	Acceptance Limits
Bromofluorobenzene	98		70 - 130
1,2-Dichloroethane-d4 (Surr)	113		70 - 130
Toluene-d8 (Surr)	107		70 - 130

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Client Sample ID: **DB-1 34.5-35'**

Lab Sample ID: 460-40258-2
Client Matrix: Solid
% Moisture: 16.6

Date Sampled: 05/10/2012 1245
Date Received: 05/15/2012 1635

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-113081	Instrument ID:	VOAMS12
Prep Method:	5035	Prep Batch:	460-112896	Lab File ID:	o60386.d
Dilution:	1.0			Initial Weight/Volume:	5.59 g
Analysis Date:	05/18/2012 0928			Final Weight/Volume:	5 mL
Prep Date:	05/16/2012 2217				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Carbon disulfide		3.6		0.16	1.1
Tetrachloroethene		0.13	U	0.13	1.1
1,2-Dichloropropane		0.16	U	0.16	1.1
4-Methyl-2-pentanone		0.21	U	0.21	11
1,1,2-Trichloro-1,2,2-trichfluoroethane		0.12	U	0.12	1.1
Dibromochloromethane		0.11	U	0.11	1.1
1,2,4-Trichlorobenzene		0.20	U	0.20	1.1
Styrene		0.30	U	0.30	1.1
1,2,3-Trichlorobenzene		0.17	U	0.17	1.1
1,1,2,2-Tetrachloroethane		0.097	U	0.097	1.1
Chloroethane		0.35	U	0.35	1.1
2-Butanone		0.68	U	0.68	11
Isopropylbenzene		0.35	J	0.12	1.1
1,1,1-Trichloroethane		0.14	U	0.14	1.1
Benzene		0.16	U	0.16	1.1
cis-1,3-Dichloropropene		0.15	U	0.15	1.1
Bromochloromethane		0.12	U	0.12	1.1
Bromoform		0.18	U	0.18	1.1
1,1-Dichloroethane		0.12	U	0.12	1.1
1,2-Dichloroethane		0.19	U	0.19	1.1
1,1,2-Trichloroethane		0.15	U	0.15	1.1
Acetone		62	B	1.8	11
Methyl acetate		0.34	U	0.34	1.1
Dichlorodifluoromethane		0.24	U	0.24	1.1
Methylene Chloride		5.9	B	0.16	1.1
Chloromethane		0.17	U	0.17	1.1
Bromomethane		0.46	U	0.46	1.1
Toluene		0.51	J B	0.15	1.1
o-Xylene		0.20	U	0.20	1.1
Chlorobenzene		1.5		0.19	1.1
1,2-Dibromo-3-Chloropropane		0.47	U	0.47	1.1
1,3-Dichlorobenzene		0.17	U	0.17	1.1
MTBE		0.12	U	0.12	1.1
trans-1,2-Dichloroethene		0.14	U	0.14	1.1
1,4-Dioxane		14	U	14	54
1,1-Dichloroethene		0.26	J	0.20	1.1
1,2-Dichlorobenzene		0.11	U	0.11	1.1
Trichloroethene		0.13	U	0.13	1.1
2-Hexanone		0.14	U	0.14	11
Ethylbenzene		0.31	J	0.18	1.1
Methylcyclohexane		0.27	J	0.11	1.1
Trichlorofluoromethane		0.17	U	0.17	1.1
Cyclohexane		0.14	U	0.14	1.1
trans-1,3-Dichloropropene		0.11	U	0.11	1.1
cis-1,2-Dichloroethene		2.2		0.12	1.1
Chloroform		0.26	U	0.26	1.1

Client: Shaw Environmental & Infrastructure, Inc | Job Number: 460-40258-1

Client Sample ID: **DB-1 34.5-35'**

Lab Sample ID: 460-40258-2 | Date Sampled: 05/10/2012 1245
Client Matrix: Solid | % Moisture: 16.6 | Date Received: 05/15/2012 1635

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-113081	Instrument ID:	VOAMS12
Prep Method:	5035	Prep Batch:	460-112896	Lab File ID:	o60386.d
Dilution:	1.0			Initial Weight/Volume:	5.59 g
Analysis Date:	05/18/2012 0928			Final Weight/Volume:	5 mL
Prep Date:	05/16/2012 2217				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
m&p-Xylene		0.63	U	0.63	2.1
Vinyl chloride		0.93	J	0.36	1.1
1,2-Dibromoethane		0.16	U	0.16	1.1
Carbon tetrachloride		0.16	U	0.16	1.1
1,4-Dichlorobenzene		0.12	U	0.12	1.1
Bromodichloromethane		0.34	U	0.34	1.1
n-Butylbenzene		0.086	U	0.086	1.1
1,2,4-Trimethylbenzene		0.16	U	0.16	1.1
sec-Butylbenzene		0.14	U	0.14	1.1
N-Propylbenzene		0.16	U	0.16	1.1
1,3,5-Trimethylbenzene		0.13	U	0.13	1.1
tert-Butylbenzene		0.13	U	0.13	1.1
p-Isopropyltoluene		0.15	U	0.15	1.1

Surrogate	%Rec	Qualifier	Acceptance Limits
Bromofluorobenzene	97		70 - 130
1,2-Dichloroethane-d4 (Surr)	118		70 - 130
Toluene-d8 (Surr)	110		70 - 130

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Client Sample ID: **DB-2 13.5-14'**

Lab Sample ID: 460-40258-3
Client Matrix: Solid
% Moisture: 15.1

Date Sampled: 05/10/2012 1400
Date Received: 05/15/2012 1635

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-113081	Instrument ID:	VOAMS12
Prep Method:	5035	Prep Batch:	460-112896	Lab File ID:	o60387.d
Dilution:	1.0			Initial Weight/Volume:	5.52 g
Analysis Date:	05/18/2012 0953			Final Weight/Volume:	5 mL
Prep Date:	05/16/2012 2219				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Carbon disulfide		3.9		0.16	1.1
Tetrachloroethene		0.13	U	0.13	1.1
1,2-Dichloropropane		0.16	U	0.16	1.1
4-Methyl-2-pentanone		0.21	U	0.21	11
1,1,2-Trichloro-1,2,2-trichfluoroethane		0.12	U	0.12	1.1
Dibromochloromethane		0.11	U	0.11	1.1
1,2,4-Trichlorobenzene		0.20	U	0.20	1.1
Styrene		0.30	U	0.30	1.1
1,2,3-Trichlorobenzene		0.17	U	0.17	1.1
1,1,2,2-Tetrachloroethane		0.096	U	0.096	1.1
Chloroethane		0.35	U	0.35	1.1
2-Butanone		0.67	U	0.67	11
Isopropylbenzene		0.12	U	0.12	1.1
1,1,1-Trichloroethane		0.14	U	0.14	1.1
Benzene		0.16	U	0.16	1.1
cis-1,3-Dichloropropene		0.15	U	0.15	1.1
Bromochloromethane		0.12	U	0.12	1.1
Bromoform		0.18	U	0.18	1.1
1,1-Dichloroethane		0.12	U	0.12	1.1
1,2-Dichloroethane		0.19	U	0.19	1.1
1,1,2-Trichloroethane		0.15	U	0.15	1.1
Acetone		35	B	1.8	11
Methyl acetate		0.34	U	0.34	1.1
Dichlorodifluoromethane		0.23	U	0.23	1.1
Methylene Chloride		2.0	B	0.16	1.1
Chloromethane		0.17	U	0.17	1.1
Bromomethane		0.46	U	0.46	1.1
Toluene		0.28	J B	0.15	1.1
o-Xylene		0.20	U	0.20	1.1
Chlorobenzene		0.19	U	0.19	1.1
1,2-Dibromo-3-Chloropropane		0.47	U	0.47	1.1
1,3-Dichlorobenzene		0.17	U	0.17	1.1
MTBE		0.12	U	0.12	1.1
trans-1,2-Dichloroethene		0.14	U	0.14	1.1
1,4-Dioxane		14	U	14	53
1,1-Dichloroethene		0.20	U	0.20	1.1
1,2-Dichlorobenzene		0.11	U	0.11	1.1
Trichloroethene		0.13	U	0.13	1.1
2-Hexanone		0.14	U	0.14	11
Ethylbenzene		0.18	U	0.18	1.1
Methylcyclohexane		0.11	U	0.11	1.1
Trichlorofluoromethane		0.17	U	0.17	1.1
Cyclohexane		0.14	U	0.14	1.1
trans-1,3-Dichloropropene		0.11	U	0.11	1.1
cis-1,2-Dichloroethene		0.12	U	0.12	1.1
Chloroform		0.26	U	0.26	1.1

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Client Sample ID: **DB-2 13.5-14'**

Lab Sample ID: 460-40258-3
Client Matrix: Solid
% Moisture: 15.1

Date Sampled: 05/10/2012 1400
Date Received: 05/15/2012 1635

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-113081	Instrument ID:	VOAMS12
Prep Method:	5035	Prep Batch:	460-112896	Lab File ID:	o60387.d
Dilution:	1.0			Initial Weight/Volume:	5.52 g
Analysis Date:	05/18/2012 0953			Final Weight/Volume:	5 mL
Prep Date:	05/16/2012 2219				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
m&p-Xylene		0.63	U	0.63	2.1
Vinyl chloride		0.36	U	0.36	1.1
1,2-Dibromoethane		0.16	U	0.16	1.1
Carbon tetrachloride		0.16	U	0.16	1.1
1,4-Dichlorobenzene		0.12	U	0.12	1.1
Bromodichloromethane		0.34	U	0.34	1.1
n-Butylbenzene		0.085	U	0.085	1.1
1,2,4-Trimethylbenzene		0.16	U	0.16	1.1
sec-Butylbenzene		0.14	U	0.14	1.1
N-Propylbenzene		0.16	U	0.16	1.1
1,3,5-Trimethylbenzene		0.13	U	0.13	1.1
tert-Butylbenzene		0.13	U	0.13	1.1
p-Isopropyltoluene		0.15	U	0.15	1.1

Surrogate	%Rec	Qualifier	Acceptance Limits
Bromofluorobenzene	101		70 - 130
1,2-Dichloroethane-d4 (Surr)	117		70 - 130
Toluene-d8 (Surr)	111		70 - 130

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Client Sample ID: **DB-2 34.5-35'**

Lab Sample ID: 460-40258-4
Client Matrix: Solid
% Moisture: 10.8

Date Sampled: 05/10/2012 1450
Date Received: 05/15/2012 1635

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-113081	Instrument ID:	VOAMS12
Prep Method:	5035	Prep Batch:	460-112896	Lab File ID:	o60388.d
Dilution:	1.0			Initial Weight/Volume:	5.82 g
Analysis Date:	05/18/2012 1018			Final Weight/Volume:	5 mL
Prep Date:	05/16/2012 2221				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Carbon disulfide		3.7		0.14	0.96
Tetrachloroethene		0.12	U	0.12	0.96
1,2-Dichloropropane		0.14	U	0.14	0.96
4-Methyl-2-pentanone		0.19	U	0.19	9.6
1,1,2-Trichloro-1,2,2-trichfluoroethane		0.11	U	0.11	0.96
Dibromochloromethane		0.096	U	0.096	0.96
1,2,4-Trichlorobenzene		0.18	U	0.18	0.96
Styrene		0.27	U	0.27	0.96
1,2,3-Trichlorobenzene		0.15	U	0.15	0.96
1,1,2,2-Tetrachloroethane		0.087	U	0.087	0.96
Chloroethane		0.32	U	0.32	0.96
2-Butanone		0.61	U	0.61	9.6
Isopropylbenzene		0.11	U	0.11	0.96
1,1,1-Trichloroethane		0.13	U	0.13	0.96
Benzene		0.14	U	0.14	0.96
cis-1,3-Dichloropropene		0.13	U	0.13	0.96
Bromochloromethane		0.11	U	0.11	0.96
Bromoform		0.16	U	0.16	0.96
1,1-Dichloroethane		0.11	U	0.11	0.96
1,2-Dichloroethane		0.17	U	0.17	0.96
1,1,2-Trichloroethane		0.13	U	0.13	0.96
Acetone		42	B	1.6	9.6
Methyl acetate		0.31	U	0.31	0.96
Dichlorodifluoromethane		0.21	U	0.21	0.96
Methylene Chloride		1.2	B	0.14	0.96
Chloromethane		0.15	U	0.15	0.96
Bromomethane		0.41	U	0.41	0.96
Toluene		0.24	J B	0.13	0.96
o-Xylene		0.18	U	0.18	0.96
Chlorobenzene		0.17	U	0.17	0.96
1,2-Dibromo-3-Chloropropane		0.42	U	0.42	0.96
1,3-Dichlorobenzene		0.15	U	0.15	0.96
MTBE		0.11	U	0.11	0.96
trans-1,2-Dichloroethene		0.13	U	0.13	0.96
1,4-Dioxane		12	U	12	48
1,1-Dichloroethene		0.18	U	0.18	0.96
1,2-Dichlorobenzene		0.096	U	0.096	0.96
Trichloroethene		0.12	U	0.12	0.96
2-Hexanone		0.13	U	0.13	9.6
Ethylbenzene		0.16	U	0.16	0.96
Methylcyclohexane		0.096	U	0.096	0.96
Trichlorofluoromethane		0.15	U	0.15	0.96
Cyclohexane		0.13	U	0.13	0.96
trans-1,3-Dichloropropene		0.096	U	0.096	0.96
cis-1,2-Dichloroethene		0.11	U	0.11	0.96
Chloroform		0.23	U	0.23	0.96

Client: Shaw Environmental & Infrastructure, Inc | Job Number: 460-40258-1

Client Sample ID: **DB-2 34.5-35'**

Lab Sample ID: 460-40258-4 | Date Sampled: 05/10/2012 1450
Client Matrix: Solid | % Moisture: 10.8 | Date Received: 05/15/2012 1635

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-113081	Instrument ID:	VOAMS12
Prep Method:	5035	Prep Batch:	460-112896	Lab File ID:	o60388.d
Dilution:	1.0			Initial Weight/Volume:	5.82 g
Analysis Date:	05/18/2012 1018			Final Weight/Volume:	5 mL
Prep Date:	05/16/2012 2221				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
m&p-Xylene		0.57	U	0.57	1.9
Vinyl chloride		0.33	U	0.33	0.96
1,2-Dibromoethane		0.14	U	0.14	0.96
Carbon tetrachloride		0.14	U	0.14	0.96
1,4-Dichlorobenzene		0.11	U	0.11	0.96
Bromodichloromethane		0.31	U	0.31	0.96
n-Butylbenzene		0.077	U	0.077	0.96
1,2,4-Trimethylbenzene		0.14	U	0.14	0.96
sec-Butylbenzene		0.13	U	0.13	0.96
N-Propylbenzene		0.14	U	0.14	0.96
1,3,5-Trimethylbenzene		0.12	U	0.12	0.96
tert-Butylbenzene		0.12	U	0.12	0.96
p-Isopropyltoluene		0.13	U	0.13	0.96

Surrogate	%Rec	Qualifier	Acceptance Limits
Bromofluorobenzene	101		70 - 130
1,2-Dichloroethane-d4 (Surr)	121		70 - 130
Toluene-d8 (Surr)	110		70 - 130

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Client Sample ID: **DB-3 20.5-21'**

Lab Sample ID: 460-40258-5
Client Matrix: Solid
% Moisture: 15.7

Date Sampled: 05/10/2012 1640
Date Received: 05/15/2012 1635

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-113081	Instrument ID:	VOAMS12
Prep Method:	5035	Prep Batch:	460-112896	Lab File ID:	o60389.d
Dilution:	1.0			Initial Weight/Volume:	5.53 g
Analysis Date:	05/18/2012 1043			Final Weight/Volume:	5 mL
Prep Date:	05/16/2012 2222				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Carbon disulfide		3.1		0.16	1.1
Tetrachloroethene		0.13	U	0.13	1.1
1,2-Dichloropropane		0.16	U	0.16	1.1
4-Methyl-2-pentanone		0.21	U	0.21	11
1,1,2-Trichloro-1,2,2-trichfluoroethane		0.12	U	0.12	1.1
Dibromochloromethane		0.11	U	0.11	1.1
1,2,4-Trichlorobenzene		0.20	U	0.20	1.1
Styrene		0.30	U	0.30	1.1
1,2,3-Trichlorobenzene		0.17	U	0.17	1.1
1,1,2,2-Tetrachloroethane		0.097	U	0.097	1.1
Chloroethane		0.35	U	0.35	1.1
2-Butanone		0.68	U	0.68	11
Isopropylbenzene		0.12	U	0.12	1.1
1,1,1-Trichloroethane		0.14	U	0.14	1.1
Benzene		0.16	U	0.16	1.1
cis-1,3-Dichloropropene		0.15	U	0.15	1.1
Bromochloromethane		0.12	U	0.12	1.1
Bromoform		0.18	U	0.18	1.1
1,1-Dichloroethane		0.12	U	0.12	1.1
1,2-Dichloroethane		0.19	U	0.19	1.1
1,1,2-Trichloroethane		0.15	U	0.15	1.1
Acetone		42	B	1.8	11
Methyl acetate		0.34	U	0.34	1.1
Dichlorodifluoromethane		0.24	U	0.24	1.1
Methylene Chloride		3.3	B	0.16	1.1
Chloromethane		0.17	U	0.17	1.1
Bromomethane		0.46	U	0.46	1.1
Toluene		0.15	U	0.15	1.1
o-Xylene		0.20	U	0.20	1.1
Chlorobenzene		0.19	U	0.19	1.1
1,2-Dibromo-3-Chloropropane		0.47	U	0.47	1.1
1,3-Dichlorobenzene		0.17	U	0.17	1.1
MTBE		0.12	U	0.12	1.1
trans-1,2-Dichloroethene		0.14	U	0.14	1.1
1,4-Dioxane		14	U	14	54
1,1-Dichloroethene		0.20	U	0.20	1.1
1,2-Dichlorobenzene		0.11	U	0.11	1.1
Trichloroethene		0.13	U	0.13	1.1
2-Hexanone		0.14	U	0.14	11
Ethylbenzene		0.18	U	0.18	1.1
Methylcyclohexane		0.11	U	0.11	1.1
Trichlorofluoromethane		0.17	U	0.17	1.1
Cyclohexane		0.14	U	0.14	1.1
trans-1,3-Dichloropropene		0.11	U	0.11	1.1
cis-1,2-Dichloroethene		0.12	U	0.12	1.1
Chloroform		0.26	U	0.26	1.1

Client: Shaw Environmental & Infrastructure, Inc | Job Number: 460-40258-1

Client Sample ID: **DB-3 20.5-21'**

Lab Sample ID: 460-40258-5 | Date Sampled: 05/10/2012 1640
Client Matrix: Solid | % Moisture: 15.7 | Date Received: 05/15/2012 1635

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-113081	Instrument ID:	VOAMS12
Prep Method:	5035	Prep Batch:	460-112896	Lab File ID:	o60389.d
Dilution:	1.0			Initial Weight/Volume:	5.53 g
Analysis Date:	05/18/2012 1043			Final Weight/Volume:	5 mL
Prep Date:	05/16/2012 2222				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
m&p-Xylene		0.63	U	0.63	2.1
Vinyl chloride		0.36	U	0.36	1.1
1,2-Dibromoethane		0.16	U	0.16	1.1
Carbon tetrachloride		0.16	U	0.16	1.1
1,4-Dichlorobenzene		0.12	U	0.12	1.1
Bromodichloromethane		0.34	U	0.34	1.1
n-Butylbenzene		0.086	U	0.086	1.1
1,2,4-Trimethylbenzene		0.16	U	0.16	1.1
sec-Butylbenzene		0.14	U	0.14	1.1
N-Propylbenzene		0.16	U	0.16	1.1
1,3,5-Trimethylbenzene		0.13	U	0.13	1.1
tert-Butylbenzene		0.13	U	0.13	1.1
p-Isopropyltoluene		0.15	U	0.15	1.1

Surrogate	%Rec	Qualifier	Acceptance Limits
Bromofluorobenzene	100		70 - 130
1,2-Dichloroethane-d4 (Surr)	116		70 - 130
Toluene-d8 (Surr)	106		70 - 130

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Client Sample ID: **DB-3 30.5-31'**

Lab Sample ID: 460-40258-6
Client Matrix: Solid
% Moisture: 13.4

Date Sampled: 05/10/2012 1655
Date Received: 05/15/2012 1635

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-113081	Instrument ID:	VOAMS12
Prep Method:	5035	Prep Batch:	460-112896	Lab File ID:	o60390.d
Dilution:	1.0			Initial Weight/Volume:	5.31 g
Analysis Date:	05/18/2012 1107			Final Weight/Volume:	5 mL
Prep Date:	05/16/2012 2224				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Carbon disulfide		0.63	J	0.16	1.1
Tetrachloroethene		0.13	U	0.13	1.1
1,2-Dichloropropane		0.16	U	0.16	1.1
4-Methyl-2-pentanone		0.22	U	0.22	11
1,1,2-Trichloro-1,2,2-trichfluoroethane		0.12	U	0.12	1.1
Dibromochloromethane		0.11	U	0.11	1.1
1,2,4-Trichlorobenzene		0.21	U	0.21	1.1
Styrene		0.30	U	0.30	1.1
1,2,3-Trichlorobenzene		0.17	U	0.17	1.1
1,1,2,2-Tetrachloroethane		0.098	U	0.098	1.1
Chloroethane		0.36	U	0.36	1.1
2-Butanone		0.69	U	0.69	11
Isopropylbenzene		0.12	U	0.12	1.1
1,1,1-Trichloroethane		0.14	U	0.14	1.1
Benzene		0.16	U	0.16	1.1
cis-1,3-Dichloropropene		0.15	U	0.15	1.1
Bromochloromethane		0.12	U	0.12	1.1
Bromoform		0.18	U	0.18	1.1
1,1-Dichloroethane		0.12	U	0.12	1.1
1,2-Dichloroethane		0.20	U	0.20	1.1
1,1,2-Trichloroethane		0.15	U	0.15	1.1
Acetone		9.1	J B	1.8	11
Methyl acetate		0.35	U	0.35	1.1
Dichlorodifluoromethane		0.24	U	0.24	1.1
Methylene Chloride		5.0	B	0.16	1.1
Chloromethane		0.17	U	0.17	1.1
Bromomethane		0.47	U	0.47	1.1
Toluene		0.15	U	0.15	1.1
o-Xylene		0.21	U	0.21	1.1
Chlorobenzene		0.20	U	0.20	1.1
1,2-Dibromo-3-Chloropropane		0.48	U	0.48	1.1
1,3-Dichlorobenzene		0.17	U	0.17	1.1
MTBE		0.12	U	0.12	1.1
trans-1,2-Dichloroethene		0.14	U	0.14	1.1
1,4-Dioxane		14	U	14	54
1,1-Dichloroethene		0.21	U	0.21	1.1
1,2-Dichlorobenzene		0.11	U	0.11	1.1
Trichloroethene		0.13	U	0.13	1.1
2-Hexanone		0.14	U	0.14	11
Ethylbenzene		0.18	U	0.18	1.1
Methylcyclohexane		0.11	U	0.11	1.1
Trichlorofluoromethane		0.17	U	0.17	1.1
Cyclohexane		0.14	U	0.14	1.1
trans-1,3-Dichloropropene		0.11	U	0.11	1.1
cis-1,2-Dichloroethene		0.12	U	0.12	1.1
Chloroform		0.26	U	0.26	1.1

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Client Sample ID: **DB-3 30.5-31'**

Lab Sample ID: 460-40258-6
Client Matrix: Solid
% Moisture: 13.4

Date Sampled: 05/10/2012 1655
Date Received: 05/15/2012 1635

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-113081	Instrument ID:	VOAMS12
Prep Method:	5035	Prep Batch:	460-112896	Lab File ID:	o60390.d
Dilution:	1.0			Initial Weight/Volume:	5.31 g
Analysis Date:	05/18/2012 1107			Final Weight/Volume:	5 mL
Prep Date:	05/16/2012 2224				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
m&p-Xylene		0.64	U	0.64	2.2
Vinyl chloride		0.37	U	0.37	1.1
1,2-Dibromoethane		0.16	U	0.16	1.1
Carbon tetrachloride		0.16	U	0.16	1.1
1,4-Dichlorobenzene		0.12	U	0.12	1.1
Bromodichloromethane		0.35	U	0.35	1.1
n-Butylbenzene		0.087	U	0.087	1.1
1,2,4-Trimethylbenzene		0.16	U	0.16	1.1
sec-Butylbenzene		0.14	U	0.14	1.1
N-Propylbenzene		0.16	U	0.16	1.1
1,3,5-Trimethylbenzene		0.13	U	0.13	1.1
tert-Butylbenzene		0.13	U	0.13	1.1
p-Isopropyltoluene		0.15	U	0.15	1.1

Surrogate	%Rec	Qualifier	Acceptance Limits
Bromofluorobenzene	103		70 - 130
1,2-Dichloroethane-d4 (Surr)	118		70 - 130
Toluene-d8 (Surr)	104		70 - 130

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Client Sample ID: **DB-5 21-21.5'**

Lab Sample ID: 460-40258-7
Client Matrix: Solid
% Moisture: 15.9

Date Sampled: 05/11/2012 1435
Date Received: 05/15/2012 1635

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-113082	Instrument ID:	VOAMS2
Prep Method:	5035	Prep Batch:	460-112893	Lab File ID:	b42267.d
Dilution:	50			Initial Weight/Volume:	5.24 g
Analysis Date:	05/18/2012 1055			Final Weight/Volume:	10 mL
Prep Date:	05/16/2012 2110				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Carbon disulfide		14	U	14	110
Tetrachloroethene		11	U	11	110
1,2-Dichloropropane		9.8	U	9.8	110
4-Methyl-2-pentanone		110	U	110	570
1,1,2-Trichloro-1,2,2-trichfluoroethane		9.3	U	9.3	110
Dibromochloromethane		23	U	23	110
1,2,4-Trichlorobenzene		39	U	39	110
Styrene		13	U	13	110
1,2,3-Trichlorobenzene		58	U	58	110
1,1,2,2-Tetrachloroethane		18	U	18	110
Chloroethane		19	U	19	110
2-Butanone		260	U	260	570
Isopropylbenzene		75	J	8.7	110
1,1,1-Trichloroethane		7.1	U	7.1	110
Benzene		9.4	U	9.4	110
cis-1,3-Dichloropropene		21	U	21	110
Bromochloromethane		31	U	31	110
Bromoform		22	U	22	110
1,1-Dichloroethane		15	U	15	110
1,2-Dichloroethane		21	U	21	110
1,1,2-Trichloroethane		21	U	21	110
Acetone		300	U	300	570
Methyl acetate		38	U	38	230
Dichlorodifluoromethane		24	U	24	110
Methylene Chloride		21	U	21	110
Chloromethane		11	U	11	110
Bromomethane		21	U	21	110
Toluene		17	U	17	110
o-Xylene		15	U	15	110
Chlorobenzene		12	U	12	110
1,2-Dibromo-3-Chloropropane		45	U	45	110
1,3-Dichlorobenzene		15	U	15	110
MTBE		16	U	16	110
trans-1,2-Dichloroethene		15	U	15	110
1,4-Dioxane		4100	U	4100	5700
1,1-Dichloroethene		10	U	10	110
1,2-Dichlorobenzene		23	U	23	110
Trichloroethene		10	U	10	110
2-Hexanone		57	U	57	570
Ethylbenzene		11	U	11	110
Methylcyclohexane		3600		15	110
Trichlorofluoromethane		17	U	17	110
Cyclohexane		18	U	18	110
trans-1,3-Dichloropropene		28	U	28	110
cis-1,2-Dichloroethene		20	U	20	110
Chloroform		8.9	U	8.9	110

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Client Sample ID: **DB-5 21-21.5'**

Lab Sample ID: 460-40258-7
Client Matrix: Solid
% Moisture: 15.9

Date Sampled: 05/11/2012 1435
Date Received: 05/15/2012 1635

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-113082	Instrument ID:	VOAMS2
Prep Method:	5035	Prep Batch:	460-112893	Lab File ID:	b42267.d
Dilution:	50			Initial Weight/Volume:	5.24 g
Analysis Date:	05/18/2012 1055			Final Weight/Volume:	10 mL
Prep Date:	05/16/2012 2110				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
m&p-Xylene		28	U	28	230
Vinyl chloride		16	U	16	110
1,2-Dibromoethane		31	U	31	110
Carbon tetrachloride		6.5	U	6.5	110
1,4-Dichlorobenzene		26	U	26	110
Bromodichloromethane		14	U	14	110
n-Butylbenzene		39	J	16	110
1,2,4-Trimethylbenzene		15	U	15	110
sec-Butylbenzene		56	J	21	110
N-Propylbenzene		73	J	11	110
1,3,5-Trimethylbenzene		17	U	17	110
tert-Butylbenzene		20	J	13	110
p-Isopropyltoluene		15	U	15	110

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	84		75 - 135
Toluene-d8 (Surr)	79		59 - 150

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Client Sample ID: **DB-5 35-35.5'**

Lab Sample ID: 460-40258-8
Client Matrix: Solid
% Moisture: 19.5

Date Sampled: 05/11/2012 1450
Date Received: 05/15/2012 1635

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-113081	Instrument ID:	VOAMS12
Prep Method:	5035	Prep Batch:	460-112896	Lab File ID:	o60391.d
Dilution:	1.0			Initial Weight/Volume:	5.21 g
Analysis Date:	05/18/2012 1132			Final Weight/Volume:	5 mL
Prep Date:	05/16/2012 2227				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Carbon disulfide		0.86	J	0.18	1.2
Tetrachloroethene		0.14	U	0.14	1.2
1,2-Dichloropropane		0.18	U	0.18	1.2
4-Methyl-2-pentanone		0.24	U	0.24	12
1,1,2-Trichloro-1,2,2-trichfluoroethane		0.13	U	0.13	1.2
Dibromochloromethane		0.12	U	0.12	1.2
1,2,4-Trichlorobenzene		0.23	U	0.23	1.2
Styrene		0.33	U	0.33	1.2
1,2,3-Trichlorobenzene		0.19	U	0.19	1.2
1,1,2,2-Tetrachloroethane		0.11	U	0.11	1.2
Chloroethane		0.39	U	0.39	1.2
2-Butanone		0.75	U	0.75	12
Isopropylbenzene		0.13	U	0.13	1.2
1,1,1-Trichloroethane		0.15	U	0.15	1.2
Benzene		0.82	J	0.18	1.2
cis-1,3-Dichloropropene		0.17	U	0.17	1.2
Bromochloromethane		0.13	U	0.13	1.2
Bromoform		0.20	U	0.20	1.2
1,1-Dichloroethane		0.13	U	0.13	1.2
1,2-Dichloroethane		0.21	U	0.21	1.2
1,1,2-Trichloroethane		0.17	U	0.17	1.2
Acetone		39	B	2.0	12
Methyl acetate		0.38	U	0.38	1.2
Dichlorodifluoromethane		0.26	U	0.26	1.2
Methylene Chloride		1.3	B	0.18	1.2
Chloromethane		0.19	U	0.19	1.2
Bromomethane		0.51	U	0.51	1.2
Toluene		0.83	J B	0.17	1.2
o-Xylene		2.1		0.23	1.2
Chlorobenzene		0.21	U	0.21	1.2
1,2-Dibromo-3-Chloropropane		0.52	U	0.52	1.2
1,3-Dichlorobenzene		0.19	U	0.19	1.2
MTBE		0.13	U	0.13	1.2
trans-1,2-Dichloroethene		0.15	U	0.15	1.2
1,4-Dioxane		15	U	15	60
1,1-Dichloroethene		0.23	U	0.23	1.2
1,2-Dichlorobenzene		0.12	U	0.12	1.2
Trichloroethene		0.14	U	0.14	1.2
2-Hexanone		0.15	U	0.15	12
Ethylbenzene		3.7		0.20	1.2
Methylcyclohexane		0.12	U	0.12	1.2
Trichlorofluoromethane		0.19	U	0.19	1.2
Cyclohexane		0.15	U	0.15	1.2
trans-1,3-Dichloropropene		0.12	U	0.12	1.2
cis-1,2-Dichloroethene		0.13	U	0.13	1.2
Chloroform		0.29	U	0.29	1.2

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Client Sample ID: **DB-5 35-35.5'**

Lab Sample ID: 460-40258-8
Client Matrix: Solid
% Moisture: 19.5

Date Sampled: 05/11/2012 1450
Date Received: 05/15/2012 1635

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-113081	Instrument ID:	VOAMS12
Prep Method:	5035	Prep Batch:	460-112896	Lab File ID:	o60391.d
Dilution:	1.0			Initial Weight/Volume:	5.21 g
Analysis Date:	05/18/2012 1132			Final Weight/Volume:	5 mL
Prep Date:	05/16/2012 2227				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
m&p-Xylene		1.5	J	0.70	2.4
Vinyl chloride		0.41	U	0.41	1.2
1,2-Dibromoethane		0.18	U	0.18	1.2
Carbon tetrachloride		0.18	U	0.18	1.2
1,4-Dichlorobenzene		0.13	U	0.13	1.2
Bromodichloromethane		0.38	U	0.38	1.2
n-Butylbenzene		0.095	U	0.095	1.2
1,2,4-Trimethylbenzene		2.4		0.18	1.2
sec-Butylbenzene		0.15	U	0.15	1.2
N-Propylbenzene		0.18	J	0.18	1.2
1,3,5-Trimethylbenzene		0.68	J	0.14	1.2
tert-Butylbenzene		0.14	U	0.14	1.2
p-Isopropyltoluene		0.17	U	0.17	1.2

Surrogate	%Rec	Qualifier	Acceptance Limits
Bromofluorobenzene	99		70 - 130
1,2-Dichloroethane-d4 (Surr)	115		70 - 130
Toluene-d8 (Surr)	101		70 - 130

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Client Sample ID: **DB-5 49.5-50'**

Lab Sample ID: 460-40258-9
Client Matrix: Solid
% Moisture: 9.8
Date Sampled: 05/11/2012 1605
Date Received: 05/15/2012 1635

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-113081	Instrument ID:	VOAMS12
Prep Method:	5035	Prep Batch:	460-112896	Lab File ID:	o60392.d
Dilution:	1.0			Initial Weight/Volume:	5.29 g
Analysis Date:	05/18/2012 1157			Final Weight/Volume:	5 mL
Prep Date:	05/16/2012 2229				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Carbon disulfide		0.21	J	0.16	1.0
Tetrachloroethene		0.13	U	0.13	1.0
1,2-Dichloropropane		0.16	U	0.16	1.0
4-Methyl-2-pentanone		0.21	U	0.21	10
1,1,2-Trichloro-1,2,2-trichfluoroethane		0.12	U	0.12	1.0
Dibromochloromethane		0.10	U	0.10	1.0
1,2,4-Trichlorobenzene		0.20	U	0.20	1.0
Styrene		0.29	U	0.29	1.0
1,2,3-Trichlorobenzene		0.17	U	0.17	1.0
1,1,2,2-Tetrachloroethane		0.094	U	0.094	1.0
Chloroethane		0.35	U	0.35	1.0
2-Butanone		0.66	U	0.66	10
Isopropylbenzene		0.12	U	0.12	1.0
1,1,1-Trichloroethane		0.14	U	0.14	1.0
Benzene		0.16	U	0.16	1.0
cis-1,3-Dichloropropene		0.15	U	0.15	1.0
Bromochloromethane		0.12	U	0.12	1.0
Bromoform		0.18	U	0.18	1.0
1,1-Dichloroethane		0.12	U	0.12	1.0
1,2-Dichloroethane		0.19	U	0.19	1.0
1,1,2-Trichloroethane		0.15	U	0.15	1.0
Acetone		54	B	1.8	10
Methyl acetate		0.34	U	0.34	1.0
Dichlorodifluoromethane		0.23	U	0.23	1.0
Methylene Chloride		1.9	B	0.16	1.0
Chloromethane		0.17	U	0.17	1.0
Bromomethane		0.45	U	0.45	1.0
Toluene		0.30	J B	0.15	1.0
o-Xylene		0.20	U	0.20	1.0
Chlorobenzene		0.19	U	0.19	1.0
1,2-Dibromo-3-Chloropropane		0.46	U	0.46	1.0
1,3-Dichlorobenzene		0.17	U	0.17	1.0
MTBE		0.12	U	0.12	1.0
trans-1,2-Dichloroethene		0.14	U	0.14	1.0
1,4-Dioxane		13	U	13	52
1,1-Dichloroethene		0.20	U	0.20	1.0
1,2-Dichlorobenzene		0.10	U	0.10	1.0
Trichloroethene		0.13	U	0.13	1.0
2-Hexanone		0.14	U	0.14	10
Ethylbenzene		0.18	U	0.18	1.0
Methylcyclohexane		0.10	U	0.10	1.0
Trichlorofluoromethane		0.17	U	0.17	1.0
Cyclohexane		0.14	U	0.14	1.0
trans-1,3-Dichloropropene		0.10	U	0.10	1.0
cis-1,2-Dichloroethene		0.12	U	0.12	1.0
Chloroform		0.25	U	0.25	1.0

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Client Sample ID: **DB-5 49.5-50'**

Lab Sample ID: 460-40258-9
Client Matrix: Solid
% Moisture: 9.8
Date Sampled: 05/11/2012 1605
Date Received: 05/15/2012 1635

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-113081	Instrument ID:	VOAMS12
Prep Method:	5035	Prep Batch:	460-112896	Lab File ID:	o60392.d
Dilution:	1.0			Initial Weight/Volume:	5.29 g
Analysis Date:	05/18/2012 1157			Final Weight/Volume:	5 mL
Prep Date:	05/16/2012 2229				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
m&p-Xylene		0.62	U	0.62	2.1
Vinyl chloride		0.36	U	0.36	1.0
1,2-Dibromoethane		0.16	U	0.16	1.0
Carbon tetrachloride		0.16	U	0.16	1.0
1,4-Dichlorobenzene		0.12	U	0.12	1.0
Bromodichloromethane		0.34	U	0.34	1.0
n-Butylbenzene		0.084	U	0.084	1.0
1,2,4-Trimethylbenzene		0.16	U	0.16	1.0
sec-Butylbenzene		0.14	U	0.14	1.0
N-Propylbenzene		0.16	U	0.16	1.0
1,3,5-Trimethylbenzene		0.13	U	0.13	1.0
tert-Butylbenzene		0.13	U	0.13	1.0
p-Isopropyltoluene		0.15	U	0.15	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Bromofluorobenzene	101		70 - 130
1,2-Dichloroethane-d4 (Surr)	113		70 - 130
Toluene-d8 (Surr)	110		70 - 130

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Client Sample ID: **DB-6 15-15.5'**

Lab Sample ID: 460-40258-10
Client Matrix: Solid
% Moisture: 21.1

Date Sampled: 05/11/2012 1015
Date Received: 05/15/2012 1635

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-113081	Instrument ID:	VOAMS12
Prep Method:	5035	Prep Batch:	460-112896	Lab File ID:	o60393.d
Dilution:	1.0			Initial Weight/Volume:	5.61 g
Analysis Date:	05/18/2012 1222			Final Weight/Volume:	5 mL
Prep Date:	05/16/2012 2231				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Carbon disulfide		3.1		0.17	1.1
Tetrachloroethene		0.14	U	0.14	1.1
1,2-Dichloropropane		0.17	U	0.17	1.1
4-Methyl-2-pentanone		0.23	U	0.23	11
1,1,2-Trichloro-1,2,2-trichfluoroethane		0.12	U	0.12	1.1
Dibromochloromethane		0.11	U	0.11	1.1
1,2,4-Trichlorobenzene		0.21	U	0.21	1.1
Styrene		0.32	U	0.32	1.1
1,2,3-Trichlorobenzene		0.18	U	0.18	1.1
1,1,2,2-Tetrachloroethane		0.10	U	0.10	1.1
Chloroethane		0.37	U	0.37	1.1
2-Butanone		6.3	J	0.71	11
Isopropylbenzene		0.12	U	0.12	1.1
1,1,1-Trichloroethane		0.15	U	0.15	1.1
Benzene		0.17	U	0.17	1.1
cis-1,3-Dichloropropene		0.16	U	0.16	1.1
Bromochloromethane		0.12	U	0.12	1.1
Bromoform		0.19	U	0.19	1.1
1,1-Dichloroethane		0.12	U	0.12	1.1
1,2-Dichloroethane		0.20	U	0.20	1.1
1,1,2-Trichloroethane		0.16	U	0.16	1.1
Acetone		55	B	1.9	11
Methyl acetate		0.36	U	0.36	1.1
Dichlorodifluoromethane		0.25	U	0.25	1.1
Methylene Chloride		2.3	B	0.17	1.1
Chloromethane		0.18	U	0.18	1.1
Bromomethane		0.49	U	0.49	1.1
Toluene		0.23	J B	0.16	1.1
o-Xylene		0.21	U	0.21	1.1
Chlorobenzene		0.20	U	0.20	1.1
1,2-Dibromo-3-Chloropropane		0.50	U	0.50	1.1
1,3-Dichlorobenzene		0.18	U	0.18	1.1
MTBE		0.12	U	0.12	1.1
trans-1,2-Dichloroethene		0.15	U	0.15	1.1
1,4-Dioxane		14	U	14	56
1,1-Dichloroethene		0.21	U	0.21	1.1
1,2-Dichlorobenzene		0.11	U	0.11	1.1
Trichloroethene		0.14	U	0.14	1.1
2-Hexanone		0.15	U	0.15	11
Ethylbenzene		0.19	U	0.19	1.1
Methylcyclohexane		0.11	U	0.11	1.1
Trichlorofluoromethane		0.18	U	0.18	1.1
Cyclohexane		0.15	U	0.15	1.1
trans-1,3-Dichloropropene		0.11	U	0.11	1.1
cis-1,2-Dichloroethene		0.12	U	0.12	1.1
Chloroform		0.27	U	0.27	1.1

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Client Sample ID: **DB-6 15-15.5'**

Lab Sample ID: 460-40258-10
Client Matrix: Solid
% Moisture: 21.1
Date Sampled: 05/11/2012 1015
Date Received: 05/15/2012 1635

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-113081	Instrument ID:	VOAMS12
Prep Method:	5035	Prep Batch:	460-112896	Lab File ID:	o60393.d
Dilution:	1.0			Initial Weight/Volume:	5.61 g
Analysis Date:	05/18/2012 1222			Final Weight/Volume:	5 mL
Prep Date:	05/16/2012 2231				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
m&p-Xylene		0.67	U	0.67	2.3
Vinyl chloride		0.38	U	0.38	1.1
1,2-Dibromoethane		0.17	U	0.17	1.1
Carbon tetrachloride		0.17	U	0.17	1.1
1,4-Dichlorobenzene		0.12	U	0.12	1.1
Bromodichloromethane		0.36	U	0.36	1.1
n-Butylbenzene		0.090	U	0.090	1.1
1,2,4-Trimethylbenzene		0.17	U	0.17	1.1
sec-Butylbenzene		0.15	U	0.15	1.1
N-Propylbenzene		0.17	U	0.17	1.1
1,3,5-Trimethylbenzene		0.14	U	0.14	1.1
tert-Butylbenzene		0.14	U	0.14	1.1
p-Isopropyltoluene		0.16	U	0.16	1.1

Surrogate	%Rec	Qualifier	Acceptance Limits
Bromofluorobenzene	91		70 - 130
1,2-Dichloroethane-d4 (Surr)	107		70 - 130
Toluene-d8 (Surr)	94		70 - 130

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Client Sample ID: **DB-6 30-30.5'**

Lab Sample ID: 460-40258-12
Client Matrix: Solid
% Moisture: 11.4
Date Sampled: 05/11/2012 1050
Date Received: 05/15/2012 1635

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-113082	Instrument ID:	VOAMS2
Prep Method:	5035	Prep Batch:	460-112893	Lab File ID:	b42268.d
Dilution:	50			Initial Weight/Volume:	4.77 g
Analysis Date:	05/18/2012 1117			Final Weight/Volume:	10 mL
Prep Date:	05/16/2012 2115				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Carbon disulfide		15	U	15	120
Tetrachloroethene		11	U	11	120
1,2-Dichloropropane		10	U	10	120
4-Methyl-2-pentanone		120	U	120	590
1,1,2-Trichloro-1,2,2-trichfluoroethane		9.7	U	9.7	120
Dibromochloromethane		24	U	24	120
1,2,4-Trichlorobenzene		40	U	40	120
Styrene		1500		14	120
1,2,3-Trichlorobenzene		60	U	60	120
1,1,2,2-Tetrachloroethane		19	U	19	120
Chloroethane		20	U	20	120
2-Butanone		270	U	270	590
Isopropylbenzene		430		9.1	120
1,1,1-Trichloroethane		7.4	U	7.4	120
Benzene		640		9.8	120
cis-1,3-Dichloropropene		22	U	22	120
Bromochloromethane		32	U	32	120
Bromoform		23	U	23	120
1,1-Dichloroethane		15	U	15	120
1,2-Dichloroethane		22	U	22	120
1,1,2-Trichloroethane		22	U	22	120
Acetone		320	U	320	590
Methyl acetate		40	U	40	240
Dichlorodifluoromethane		25	U	25	120
Methylene Chloride		22	U	22	120
Chloromethane		11	U	11	120
Bromomethane		21	U	21	120
Toluene		420		18	120
o-Xylene		3500		15	120
Chlorobenzene		13	U	13	120
1,2-Dibromo-3-Chloropropane		47	U	47	120
1,3-Dichlorobenzene		16	U	16	120
MTBE		16	U	16	120
trans-1,2-Dichloroethene		15	U	15	120
1,4-Dioxane		4300	U	4300	5900
1,1-Dichloroethene		10	U	10	120
1,2-Dichlorobenzene		24	U	24	120
Trichloroethene		11	U	11	120
2-Hexanone		59	U	59	590
Ethylbenzene		7200		11	120
Methylcyclohexane		110	J	16	120
Trichlorofluoromethane		17	U	17	120
Cyclohexane		81	J	19	120
trans-1,3-Dichloropropene		29	U	29	120
cis-1,2-Dichloroethene		21	U	21	120
Chloroform		9.3	U	9.3	120

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Client Sample ID: **DB-6 30-30.5'**

Lab Sample ID: 460-40258-12
Client Matrix: Solid
% Moisture: 11.4
Date Sampled: 05/11/2012 1050
Date Received: 05/15/2012 1635

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-113082	Instrument ID:	VOAMS2
Prep Method:	5035	Prep Batch:	460-112893	Lab File ID:	b42268.d
Dilution:	50			Initial Weight/Volume:	4.77 g
Analysis Date:	05/18/2012 1117			Final Weight/Volume:	10 mL
Prep Date:	05/16/2012 2115				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
m&p-Xylene		5100		29	240
Vinyl chloride		17	U	17	120
1,2-Dibromoethane		33	U	33	120
Carbon tetrachloride		6.7	U	6.7	120
1,4-Dichlorobenzene		28	U	28	120
Bromodichloromethane		15	U	15	120
n-Butylbenzene		17	U	17	120
1,2,4-Trimethylbenzene		8100		15	120
sec-Butylbenzene		36	J	21	120
N-Propylbenzene		510		11	120
1,3,5-Trimethylbenzene		3000		18	120
tert-Butylbenzene		14	U	14	120
p-Isopropyltoluene		420		16	120

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	91		75 - 135
Toluene-d8 (Surr)	87		59 - 150

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Client Sample ID: **DB-6 39.5-40'**

Lab Sample ID: 460-40258-13
Client Matrix: Solid
% Moisture: 22.3

Date Sampled: 05/11/2012 1055
Date Received: 05/15/2012 1635

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-113081	Instrument ID:	VOAMS12
Prep Method:	5035	Prep Batch:	460-112896	Lab File ID:	o60394.d
Dilution:	1.0			Initial Weight/Volume:	5.60 g
Analysis Date:	05/18/2012 1247			Final Weight/Volume:	5 mL
Prep Date:	05/16/2012 2236				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Carbon disulfide		0.17	U	0.17	1.1
Tetrachloroethene		0.14	U	0.14	1.1
1,2-Dichloropropane		0.17	U	0.17	1.1
4-Methyl-2-pentanone		0.23	U	0.23	11
1,1,2-Trichloro-1,2,2-trichfluoroethane		0.13	U	0.13	1.1
Dibromochloromethane		0.11	U	0.11	1.1
1,2,4-Trichlorobenzene		0.22	U	0.22	1.1
Styrene		1.8		0.32	1.1
1,2,3-Trichlorobenzene		0.18	U	0.18	1.1
1,1,2,2-Tetrachloroethane		0.10	U	0.10	1.1
Chloroethane		0.38	U	0.38	1.1
2-Butanone		0.72	U	0.72	11
Isopropylbenzene		0.18	J	0.13	1.1
1,1,1-Trichloroethane		0.15	U	0.15	1.1
Benzene		0.62	J	0.17	1.1
cis-1,3-Dichloropropene		0.16	U	0.16	1.1
Bromochloromethane		0.13	U	0.13	1.1
Bromoform		0.20	U	0.20	1.1
1,1-Dichloroethane		0.13	U	0.13	1.1
1,2-Dichloroethane		0.21	U	0.21	1.1
1,1,2-Trichloroethane		0.16	U	0.16	1.1
Acetone		49	B	1.9	11
Methyl acetate		0.37	U	0.37	1.1
Dichlorodifluoromethane		0.25	U	0.25	1.1
Methylene Chloride		2.4	B	0.17	1.1
Chloromethane		0.18	U	0.18	1.1
Bromomethane		0.49	U	0.49	1.1
Toluene		1.9	B	0.16	1.1
o-Xylene		8.0		0.22	1.1
Chlorobenzene		0.21	U	0.21	1.1
1,2-Dibromo-3-Chloropropane		0.51	U	0.51	1.1
1,3-Dichlorobenzene		0.18	U	0.18	1.1
MTBE		0.13	U	0.13	1.1
trans-1,2-Dichloroethene		0.15	U	0.15	1.1
1,4-Dioxane		15	U	15	57
1,1-Dichloroethene		0.22	U	0.22	1.1
1,2-Dichlorobenzene		0.11	U	0.11	1.1
Trichloroethene		0.14	U	0.14	1.1
2-Hexanone		0.15	U	0.15	11
Ethylbenzene		11		0.20	1.1
Methylcyclohexane		0.11	U	0.11	1.1
Trichlorofluoromethane		0.18	U	0.18	1.1
Cyclohexane		0.15	U	0.15	1.1
trans-1,3-Dichloropropene		0.11	U	0.11	1.1
cis-1,2-Dichloroethene		0.13	U	0.13	1.1
Chloroform		0.28	U	0.28	1.1

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Client Sample ID: **DB-6 39.5-40'**

Lab Sample ID: 460-40258-13
Client Matrix: Solid
% Moisture: 22.3
Date Sampled: 05/11/2012 1055
Date Received: 05/15/2012 1635

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-113081	Instrument ID:	VOAMS12
Prep Method:	5035	Prep Batch:	460-112896	Lab File ID:	o60394.d
Dilution:	1.0			Initial Weight/Volume:	5.60 g
Analysis Date:	05/18/2012 1247			Final Weight/Volume:	5 mL
Prep Date:	05/16/2012 2236				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
m&p-Xylene		4.9		0.68	2.3
Vinyl chloride		0.39	U	0.39	1.1
1,2-Dibromoethane		0.17	U	0.17	1.1
Carbon tetrachloride		0.17	U	0.17	1.1
1,4-Dichlorobenzene		0.13	U	0.13	1.1
Bromodichloromethane		0.37	U	0.37	1.1
n-Butylbenzene		0.092	U	0.092	1.1
1,2,4-Trimethylbenzene		6.1		0.17	1.1
sec-Butylbenzene		0.15	U	0.15	1.1
N-Propylbenzene		0.42	J	0.17	1.1
1,3,5-Trimethylbenzene		1.6		0.14	1.1
tert-Butylbenzene		0.14	U	0.14	1.1
p-Isopropyltoluene		0.18	J	0.16	1.1

Surrogate	%Rec	Qualifier	Acceptance Limits
Bromofluorobenzene	105		70 - 130
1,2-Dichloroethane-d4 (Surr)	119		70 - 130
Toluene-d8 (Surr)	114		70 - 130

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Client Sample ID: **Trip Blank**

Lab Sample ID: 460-40258-14TB
Client Matrix: Water

Date Sampled: 05/11/2012 0000
Date Received: 05/15/2012 1635

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-112972	Instrument ID:	VOAMS4
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	d20741.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	05/17/2012 1623			Final Weight/Volume:	5 mL
Prep Date:	05/17/2012 1623				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Carbon disulfide	0.13	U	0.13	1.0
Tetrachloroethene	0.10	U	0.10	1.0
1,2-Dichloropropane	0.090	U	0.090	1.0
4-Methyl-2-pentanone	0.99	U	0.99	5.0
1,1,2-Trichloro-1,2,2-trichfluoroethane	0.080	U	0.080	1.0
Dibromochloromethane	0.20	U	0.20	1.0
1,2,4-Trichlorobenzene	0.34	U	0.34	1.0
Styrene	0.12	U	0.12	1.0
1,2,3-Trichlorobenzene	0.51	U	0.51	1.0
1,1,2,2-Tetrachloroethane	0.16	U	0.16	1.0
Chloroethane	0.17	U	0.17	1.0
2-Butanone	2.3	U	2.3	5.0
Isopropylbenzene	0.080	U	0.080	1.0
1,1,1-Trichloroethane	0.060	U	0.060	1.0
Benzene	0.080	U	0.080	1.0
cis-1,3-Dichloropropene	0.18	U	0.18	1.0
Bromochloromethane	0.27	U	0.27	1.0
Bromoform	0.19	U	0.19	1.0
1,1-Dichloroethane	0.13	U	0.13	1.0
1,2-Dichloroethane	0.19	U	0.19	1.0
1,1,2-Trichloroethane	0.19	U	0.19	1.0
Acetone	2.7	U	2.7	5.0
Methyl acetate	0.34	U	0.34	2.0
Dichlorodifluoromethane	0.22	U	0.22	1.0
Methylene Chloride	5.1		0.18	1.0
n-Butylbenzene	0.14	U	0.14	1.0
Chloromethane	0.10	U	0.10	1.0
1,2,4-Trimethylbenzene	0.13	U	0.13	1.0
Bromomethane	0.18	U	0.18	1.0
Toluene	0.15	U	0.15	1.0
o-Xylene	0.13	U	0.13	1.0
Chlorobenzene	0.11	U	0.11	1.0
1,2-Dibromo-3-Chloropropane	0.40	U	0.40	1.0
1,3-Dichlorobenzene	0.14	U	0.14	1.0
MTBE	0.14	U	0.14	1.0
trans-1,2-Dichloroethene	0.13	U	0.13	1.0
1,4-Dioxane	36	U	36	50
1,1-Dichloroethene	0.090	U	0.090	1.0
1,2-Dichlorobenzene	0.21	U	0.21	1.0
Trichloroethene	0.090	U	0.090	1.0
sec-Butylbenzene	0.18	U	0.18	1.0
2-Hexanone	0.50	U	0.50	5.0
Ethylbenzene	0.10	U	0.10	1.0
N-Propylbenzene	0.10	U	0.10	1.0
Methylcyclohexane	0.14	U	0.14	1.0
Trichlorofluoromethane	0.15	U	0.15	1.0

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Client Sample ID: **Trip Blank**

Lab Sample ID: 460-40258-14TB
Client Matrix: Water

Date Sampled: 05/11/2012 0000
Date Received: 05/15/2012 1635

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-112972	Instrument ID:	VOAMS4
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	d20741.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	05/17/2012 1623			Final Weight/Volume:	5 mL
Prep Date:	05/17/2012 1623				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Cyclohexane	0.16	U	0.16	1.0
1,3,5-Trimethylbenzene	0.15	U	0.15	1.0
trans-1,3-Dichloropropene	0.24	U	0.24	1.0
cis-1,2-Dichloroethene	0.18	U	0.18	1.0
Chloroform	0.080	U	0.080	1.0
m&p-Xylene	0.25	U	0.25	2.0
Vinyl chloride	0.14	U	0.14	1.0
1,2-Dibromoethane	0.28	U	0.28	1.0
tert-Butylbenzene	0.12	U	0.12	1.0
Carbon tetrachloride	0.060	U	0.060	1.0
1,4-Dichlorobenzene	0.23	U	0.23	1.0
Bromodichloromethane	0.12	U	0.12	1.0
4-Isopropyltoluene	0.14	U	0.14	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	101		70 - 130
Toluene-d8 (Surr)	105		70 - 130
Bromofluorobenzene	104		70 - 130

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Client Sample ID: **DB-1 23-23.5'**

Lab Sample ID: 460-40258-1
Client Matrix: Solid
% Moisture: 14.1
Date Sampled: 05/10/2012 1235
Date Received: 05/15/2012 1635

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-113356	Instrument ID:	BNAMS10
Prep Method:	3541	Prep Batch:	460-112983	Lab File ID:	p30205.d
Dilution:	1.0			Initial Weight/Volume:	15.04 g
Analysis Date:	05/20/2012 1907			Final Weight/Volume:	1 mL
Prep Date:	05/17/2012 1125			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,2,4,5-Tetrachlorobenzene		52	U	52	380
2,2'-oxybis[1-chloropropane]		43	U	43	380
2,3,4,6-Tetrachlorophenol		50	U	50	380
N-Nitrosodiphenylamine		38	U	38	380
Hexachlorocyclopentadiene		45	U	45	380
2,4-Dimethylphenol		95	U	95	380
2,6-Dinitrotoluene		12	U	12	78
Aniline		110	U	110	380
2,4-Dinitrotoluene		13	U	13	78
Bis(2-ethylhexyl) phthalate		130	U	130	380
Benzoic acid		380	U	380	380
2-Chloronaphthalene		43	U	43	380
Butyl benzyl phthalate		35	U	35	380
2-Chlorophenol		51	U	51	380
Di-n-butyl phthalate		47	U	47	380
2,4-Dichlorophenol		56	U	56	380
Diethyl phthalate		46	U	46	380
2,4-Dinitrophenol		220	U	220	1200
2-Methylphenol		65	U	65	380
Dimethyl phthalate		46	U	46	380
Di-n-octyl phthalate		25	U	25	380
3,3'-Dichlorobenzidine		130	U	130	780
Hexachlorobenzene		5.2	U	5.2	38
Isophorone		47	U	47	380
2-Methylnaphthalene		49	U	49	380
4,6-Dinitro-2-methylphenol		100	U	100	1200
2-Nitroaniline		160	U	160	780
4-Bromophenyl phenyl ether		38	U	38	380
3-Nitroaniline		140	U	140	780
4-Chloro-3-methylphenol		58	U	58	380
Nitrobenzene		5.5	U	5.5	38
2-Nitrophenol		43	U	43	380
4-Chlorophenyl phenyl ether		45	U	45	380
4-Methylphenol		76	U	76	380
4-Nitrophenol		250	U	250	1200
2,4,5-Trichlorophenol		50	U	50	380
4-Nitroaniline		120	U	120	780
2,4,6-Trichlorophenol		45	U	45	380
4-Chloroaniline		100	U	100	380
Acenaphthene		56	U	56	380
Acenaphthylene		45	U	45	380
Acetophenone		59	U	59	380
Anthracene		47	U	47	380
Benzo[a]anthracene		2.7	U	2.7	38
Atrazine		59	U	59	380
Benzo[a]pyrene		2.7	U	2.7	38

Client: Shaw Environmental & Infrastructure, Inc | Job Number: 460-40258-1

Client Sample ID: **DB-1 23-23.5'**

Lab Sample ID: 460-40258-1 | Date Sampled: 05/10/2012 1235
Client Matrix: Solid | % Moisture: 14.1 | Date Received: 05/15/2012 1635

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-113356	Instrument ID:	BNAMS10
Prep Method:	3541	Prep Batch:	460-112983	Lab File ID:	p30205.d
Dilution:	1.0			Initial Weight/Volume:	15.04 g
Analysis Date:	05/20/2012 1907			Final Weight/Volume:	1 mL
Prep Date:	05/17/2012 1125			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Benzaldehyde		45	U	45	380
Benzo[b]fluoranthene		2.4	U	2.4	38
Benzo[g,h,i]perylene		28	U	28	380
Benzo[k]fluoranthene		2.9	U	2.9	38
Chrysene		45	U	45	380
Dibenz(a,h)anthracene		4.8	U	4.8	38
Fluoranthene		51	U	51	380
Fluorene		49	U	49	380
Bis(2-chloroethoxy)methane		50	U	50	380
Indeno[1,2,3-cd]pyrene		7.1	U	7.1	38
Bis(2-chloroethyl)ether		5.2	U	5.2	38
Phenanthrene		49	U	49	380
Pyrene		32	U	32	380
Caprolactam		88	U	88	380
Carbazole		45	U	45	380
Dibenzofuran		45	U	45	380
Diphenyl		51	U	51	380
Hexachlorobutadiene		9.4	U	9.4	78
Hexachloroethane		4.3	U	4.3	38
Naphthalene		44	U	44	380
N-Nitrosodi-n-propylamine		6.4	U	6.4	38
Pentachlorophenol		110	U	110	1200
Phenol		52	U	52	380
3 & 4 Methylphenol		65	U	65	380

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	67		38 - 105
Phenol-d5	73		41 - 118
Terphenyl-d14	89		16 - 151
2-Fluorophenol	69		37 - 125
2,4,6-Tribromophenol	60		10 - 120
2-Fluorobiphenyl	78		40 - 109

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Client Sample ID: **DB-1 34.5-35'**

Lab Sample ID: 460-40258-2
Client Matrix: Solid
% Moisture: 16.6

Date Sampled: 05/10/2012 1245
Date Received: 05/15/2012 1635

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-113356	Instrument ID:	BNAMS10
Prep Method:	3541	Prep Batch:	460-112983	Lab File ID:	p30221.d
Dilution:	1.0			Initial Weight/Volume:	15.00 g
Analysis Date:	05/21/2012 0216			Final Weight/Volume:	1 mL
Prep Date:	05/17/2012 1125			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,2,4,5-Tetrachlorobenzene		53	U	53	400
2,2'-oxybis[1-chloropropane]		44	U	44	400
2,3,4,6-Tetrachlorophenol		52	U	52	400
N-Nitrosodiphenylamine		39	U	39	400
Hexachlorocyclopentadiene		47	U	47	400
2,4-Dimethylphenol		98	U	98	400
2,6-Dinitrotoluene		12	U	12	80
Aniline		110	U	110	400
2,4-Dinitrotoluene		13	U	13	80
Bis(2-ethylhexyl) phthalate		5400		130	400
Benzoic acid		400	U	400	400
2-Chloronaphthalene		44	U	44	400
Butyl benzyl phthalate		36	U	36	400
2-Chlorophenol		52	U	52	400
Di-n-butyl phthalate		49	U	49	400
2,4-Dichlorophenol		58	U	58	400
Diethyl phthalate		47	U	47	400
2,4-Dinitrophenol		230	U	230	1200
2-Methylphenol		68	U	68	400
Dimethyl phthalate		47	U	47	400
Di-n-octyl phthalate		25	U	25	400
3,3'-Dichlorobenzidine		140	U	140	800
Hexachlorobenzene		5.4	U	5.4	40
Isophorone		48	U	48	400
2-Methylnaphthalene		66	J	51	400
4,6-Dinitro-2-methylphenol		110	U	110	1200
2-Nitroaniline		170	U	170	800
4-Bromophenyl phenyl ether		39	U	39	400
3-Nitroaniline		140	U	140	800
4-Chloro-3-methylphenol		60	U	60	400
Nitrobenzene		5.6	U	5.6	40
2-Nitrophenol		44	U	44	400
4-Chlorophenyl phenyl ether		47	U	47	400
4-Methylphenol		78	U	78	400
4-Nitrophenol		260	U	260	1200
2,4,5-Trichlorophenol		51	U	51	400
4-Nitroaniline		120	U	120	800
2,4,6-Trichlorophenol		46	U	46	400
4-Chloroaniline		110	U	110	400
Acenaphthene		420		58	400
Acenaphthylene		99	J	47	400
Acetophenone		61	U	61	400
Anthracene		280	J	48	400
Benzo[a]anthracene		1000		2.8	40
Atrazine		61	U	61	400
Benzo[a]pyrene		880		2.8	40

Client: Shaw Environmental & Infrastructure, Inc | Job Number: 460-40258-1

Client Sample ID: **DB-1 34.5-35'**

Lab Sample ID: 460-40258-2 | Date Sampled: 05/10/2012 1245
Client Matrix: Solid | % Moisture: 16.6 | Date Received: 05/15/2012 1635

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-113356	Instrument ID:	BNAMS10
Prep Method:	3541	Prep Batch:	460-112983	Lab File ID:	p30221.d
Dilution:	1.0			Initial Weight/Volume:	15.00 g
Analysis Date:	05/21/2012 0216			Final Weight/Volume:	1 mL
Prep Date:	05/17/2012 1125			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Benzaldehyde		47	U	47	400
Benzo[b]fluoranthene		820		2.5	40
Benzo[g,h,i]perylene		530		29	400
Benzo[k]fluoranthene		340		3.0	40
Chrysene		1000		46	400
Dibenz(a,h)anthracene		110		5.0	40
Fluoranthene		1100		53	400
Fluorene		120	J	51	400
Bis(2-chloroethoxy)methane		51	U	51	400
Indeno[1,2,3-cd]pyrene		530		7.4	40
Bis(2-chloroethyl)ether		5.4	U	5.4	40
Phenanthrene		720		50	400
Pyrene		1600		33	400
Caprolactam		91	U	91	400
Carbazole		96	J	47	400
Dibenzofuran		55	J	47	400
Diphenyl		53	U	53	400
Hexachlorobutadiene		9.7	U	9.7	80
Hexachloroethane		4.4	U	4.4	40
Naphthalene		130	J	46	400
N-Nitrosodi-n-propylamine		6.6	U	6.6	40
Pentachlorophenol		120	U	120	1200
Phenol		53	U	53	400
3 & 4 Methylphenol		68	U	68	400

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	77		38 - 105
Phenol-d5	74		41 - 118
Terphenyl-d14	92		16 - 151
2-Fluorophenol	71		37 - 125
2,4,6-Tribromophenol	72		10 - 120
2-Fluorobiphenyl	92		40 - 109

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Client Sample ID: **DB-2 13.5-14'**

Lab Sample ID: 460-40258-3
Client Matrix: Solid
% Moisture: 15.1

Date Sampled: 05/10/2012 1400
Date Received: 05/15/2012 1635

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-113356	Instrument ID:	BNAMS10
Prep Method:	3541	Prep Batch:	460-112983	Lab File ID:	p30219.d
Dilution:	1.0			Initial Weight/Volume:	15.02 g
Analysis Date:	05/21/2012 0122			Final Weight/Volume:	1 mL
Prep Date:	05/17/2012 1125			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,2,4,5-Tetrachlorobenzene		52	U	52	390
2,2'-oxybis[1-chloropropane]		43	U	43	390
2,3,4,6-Tetrachlorophenol		51	U	51	390
N-Nitrosodiphenylamine		38	U	38	390
Hexachlorocyclopentadiene		46	U	46	390
2,4-Dimethylphenol		96	U	96	390
2,6-Dinitrotoluene		12	U	12	79
Aniline		110	U	110	390
2,4-Dinitrotoluene		13	U	13	79
Bis(2-ethylhexyl) phthalate		130	U	130	390
Benzoic acid		390	U	390	390
2-Chloronaphthalene		43	U	43	390
Butyl benzyl phthalate		36	U	36	390
2-Chlorophenol		51	U	51	390
Di-n-butyl phthalate		48	U	48	390
2,4-Dichlorophenol		57	U	57	390
Diethyl phthalate		46	U	46	390
2,4-Dinitrophenol		220	U	220	1200
2-Methylphenol		66	U	66	390
Dimethyl phthalate		46	U	46	390
Di-n-octyl phthalate		25	U	25	390
3,3'-Dichlorobenzidine		140	U	140	790
Hexachlorobenzene		5.3	U	5.3	39
Isophorone		47	U	47	390
2-Methylnaphthalene		50	U	50	390
4,6-Dinitro-2-methylphenol		110	U	110	1200
2-Nitroaniline		160	U	160	790
4-Bromophenyl phenyl ether		39	U	39	390
3-Nitroaniline		140	U	140	790
4-Chloro-3-methylphenol		59	U	59	390
Nitrobenzene		5.5	U	5.5	39
2-Nitrophenol		43	U	43	390
4-Chlorophenyl phenyl ether		46	U	46	390
4-Methylphenol		77	U	77	390
4-Nitrophenol		250	U	250	1200
2,4,5-Trichlorophenol		50	U	50	390
4-Nitroaniline		120	U	120	790
2,4,6-Trichlorophenol		46	U	46	390
4-Chloroaniline		100	U	100	390
Acenaphthene		86	J	57	390
Acenaphthylene		46	U	46	390
Acetophenone		60	U	60	390
Anthracene		110	J	47	390
Benzo[a]anthracene		280		2.7	39
Atrazine		60	U	60	390
Benzo[a]pyrene		230		2.8	39

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Client Sample ID: **DB-2 13.5-14'**

Lab Sample ID: 460-40258-3
Client Matrix: Solid
% Moisture: 15.1

Date Sampled: 05/10/2012 1400
Date Received: 05/15/2012 1635

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-113356	Instrument ID:	BNAMS10
Prep Method:	3541	Prep Batch:	460-112983	Lab File ID:	p30219.d
Dilution:	1.0			Initial Weight/Volume:	15.02 g
Analysis Date:	05/21/2012 0122			Final Weight/Volume:	1 mL
Prep Date:	05/17/2012 1125			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Benzaldehyde		46	U	46	390
Benzo[b]fluoranthene		260		2.5	39
Benzo[g,h,i]perylene		160	J	29	390
Benzo[k]fluoranthene		130		3.0	39
Chrysene		290	J	45	390
Dibenz(a,h)anthracene		43		4.9	39
Fluoranthene		630		52	390
Fluorene		59	J	50	390
Bis(2-chloroethoxy)methane		50	U	50	390
Indeno[1,2,3-cd]pyrene		160		7.2	39
Bis(2-chloroethyl)ether		5.3	U	5.3	39
Phenanthrene		460		50	390
Pyrene		540		33	390
Caprolactam		90	U	90	390
Carbazole		46	U	46	390
Dibenzofuran		47	J	46	390
Diphenyl		52	U	52	390
Hexachlorobutadiene		9.5	U	9.5	79
Hexachloroethane		4.3	U	4.3	39
Naphthalene		45	U	45	390
N-Nitrosodi-n-propylamine		6.5	U	6.5	39
Pentachlorophenol		120	U	120	1200
Phenol		52	U	52	390
3 & 4 Methylphenol		66	U	66	390

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	66		38 - 105
Phenol-d5	67		41 - 118
Terphenyl-d14	91		16 - 151
2-Fluorophenol	67		37 - 125
2,4,6-Tribromophenol	70		10 - 120
2-Fluorobiphenyl	80		40 - 109

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Client Sample ID: **DB-2 34.5-35'**

Lab Sample ID: 460-40258-4
Client Matrix: Solid
% Moisture: 10.8

Date Sampled: 05/10/2012 1450
Date Received: 05/15/2012 1635

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-113076	Instrument ID:	BNAMS10
Prep Method:	3541	Prep Batch:	460-112983	Lab File ID:	p30185.d
Dilution:	1.0			Initial Weight/Volume:	15.00 g
Analysis Date:	05/18/2012 0719			Final Weight/Volume:	1 mL
Prep Date:	05/17/2012 1125			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,2,4,5-Tetrachlorobenzene		50	U	50	370
2,2'-oxybis[1-chloropropane]		41	U	41	370
2,3,4,6-Tetrachlorophenol		48	U	48	370
N-Nitrosodiphenylamine		37	U	37	370
Hexachlorocyclopentadiene		44	U	44	370
2,4-Dimethylphenol		91	U	91	370
2,6-Dinitrotoluene		11	U	11	75
Aniline		110	U	110	370
2,4-Dinitrotoluene		12	U	12	75
Bis(2-ethylhexyl) phthalate		120	U	120	370
Benzoic acid		370	U	370	370
2-Chloronaphthalene		41	U	41	370
Butyl benzyl phthalate		34	U	34	370
2-Chlorophenol		49	U	49	370
Di-n-butyl phthalate		46	U	46	370
2,4-Dichlorophenol		54	U	54	370
Diethyl phthalate		44	U	44	370
2,4-Dinitrophenol		210	U	210	1100
2-Methylphenol		63	U	63	370
Dimethyl phthalate		44	U	44	370
Di-n-octyl phthalate		24	U	24	370
3,3'-Dichlorobenzidine		130	U	130	750
Hexachlorobenzene		5.1	U	5.1	37
Isophorone		45	U	45	370
2-Methylnaphthalene		48	U	48	370
4,6-Dinitro-2-methylphenol		100	U	100	1100
2-Nitroaniline		150	U	150	750
4-Bromophenyl phenyl ether		37	U	37	370
3-Nitroaniline		130	U	130	750
4-Chloro-3-methylphenol		56	U	56	370
Nitrobenzene		5.3	U	5.3	37
2-Nitrophenol		41	U	41	370
4-Chlorophenyl phenyl ether		43	U	43	370
4-Methylphenol		73	U	73	370
4-Nitrophenol		240	U	240	1100
2,4,5-Trichlorophenol		48	U	48	370
4-Nitroaniline		120	U	120	750
2,4,6-Trichlorophenol		43	U	43	370
4-Chloroaniline		98	U	98	370
Acenaphthene		54	U	54	370
Acenaphthylene		44	U	44	370
Acetophenone		57	U	57	370
Anthracene		45	U	45	370
Benzo[a]anthracene		2.6	U	2.6	37
Atrazine		57	U	57	370
Benzo[a]pyrene		2.6	U	2.6	37

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Client Sample ID: **DB-2 34.5-35'**

Lab Sample ID: 460-40258-4
Client Matrix: Solid
% Moisture: 10.8
Date Sampled: 05/10/2012 1450
Date Received: 05/15/2012 1635

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-113076	Instrument ID:	BNAMS10
Prep Method:	3541	Prep Batch:	460-112983	Lab File ID:	p30185.d
Dilution:	1.0			Initial Weight/Volume:	15.00 g
Analysis Date:	05/18/2012 0719			Final Weight/Volume:	1 mL
Prep Date:	05/17/2012 1125			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Benzaldehyde		44	U	44	370
Benzo[b]fluoranthene		2.3	U	2.3	37
Benzo[g,h,i]perylene		27	U	27	370
Benzo[k]fluoranthene		2.8	U	2.8	37
Chrysene		43	U	43	370
Dibenz(a,h)anthracene		4.7	U	4.7	37
Fluoranthene		49	U	49	370
Fluorene		47	U	47	370
Bis(2-chloroethoxy)methane		48	U	48	370
Indeno[1,2,3-cd]pyrene		6.9	U	6.9	37
Bis(2-chloroethyl)ether		5.1	U	5.1	37
Phenanthrene		47	U	47	370
Pyrene		31	U	31	370
Caprolactam		85	U	85	370
Carbazole		44	U	44	370
Dibenzofuran		43	U	43	370
Diphenyl		50	U	50	370
Hexachlorobutadiene		9.0	U	9.0	75
Hexachloroethane		4.1	U	4.1	37
Naphthalene		43	U	43	370
N-Nitrosodi-n-propylamine		6.2	U	6.2	37
Pentachlorophenol		110	U	110	1100
Phenol		50	U	50	370
3 & 4 Methylphenol		63	U	63	370

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	70		38 - 105
Phenol-d5	67		41 - 118
Terphenyl-d14	86		16 - 151
2-Fluorophenol	67		37 - 125
2,4,6-Tribromophenol	82		10 - 120
2-Fluorobiphenyl	75		40 - 109

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Client Sample ID: **DB-3 20.5-21'**

Lab Sample ID: 460-40258-5
Client Matrix: Solid
% Moisture: 15.7

Date Sampled: 05/10/2012 1640
Date Received: 05/15/2012 1635

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-113076	Instrument ID:	BNAMS10
Prep Method:	3541	Prep Batch:	460-112983	Lab File ID:	p30186.d
Dilution:	1.0			Initial Weight/Volume:	15.01 g
Analysis Date:	05/18/2012 0746			Final Weight/Volume:	1 mL
Prep Date:	05/17/2012 1125			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,2,4,5-Tetrachlorobenzene		53	U	53	390
2,2'-oxybis[1-chloropropane]		43	U	43	390
2,3,4,6-Tetrachlorophenol		51	U	51	390
N-Nitrosodiphenylamine		39	U	39	390
Hexachlorocyclopentadiene		46	U	46	390
2,4-Dimethylphenol		97	U	97	390
2,6-Dinitrotoluene		12	U	12	79
Aniline		110	U	110	390
2,4-Dinitrotoluene		13	U	13	79
Bis(2-ethylhexyl) phthalate		130	U	130	390
Benzoic acid		390	U	390	390
2-Chloronaphthalene		44	U	44	390
Butyl benzyl phthalate		36	U	36	390
2-Chlorophenol		52	U	52	390
Di-n-butyl phthalate		48	U	48	390
2,4-Dichlorophenol		57	U	57	390
Diethyl phthalate		47	U	47	390
2,4-Dinitrophenol		220	U	220	1200
2-Methylphenol		67	U	67	390
Dimethyl phthalate		46	U	46	390
Di-n-octyl phthalate		25	U	25	390
3,3'-Dichlorobenzidine		140	U	140	790
Hexachlorobenzene		5.4	U	5.4	39
Isophorone		48	U	48	390
2-Methylnaphthalene		50	U	50	390
4,6-Dinitro-2-methylphenol		110	U	110	1200
2-Nitroaniline		160	U	160	790
4-Bromophenyl phenyl ether		39	U	39	390
3-Nitroaniline		140	U	140	790
4-Chloro-3-methylphenol		59	U	59	390
Nitrobenzene		5.6	U	5.6	39
2-Nitrophenol		44	U	44	390
4-Chlorophenyl phenyl ether		46	U	46	390
4-Methylphenol		77	U	77	390
4-Nitrophenol		250	U	250	1200
2,4,5-Trichlorophenol		51	U	51	390
4-Nitroaniline		120	U	120	790
2,4,6-Trichlorophenol		46	U	46	390
4-Chloroaniline		100	U	100	390
Acenaphthene		57	U	57	390
Acenaphthylene		46	U	46	390
Acetophenone		60	U	60	390
Anthracene		48	U	48	390
Benzo[a]anthracene		2.7	U	2.7	39
Atrazine		61	U	61	390
Benzo[a]pyrene		2.8	U	2.8	39

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Client Sample ID: **DB-3 20.5-21'**

Lab Sample ID: 460-40258-5
Client Matrix: Solid
% Moisture: 15.7

Date Sampled: 05/10/2012 1640
Date Received: 05/15/2012 1635

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-113076	Instrument ID:	BNAMS10
Prep Method:	3541	Prep Batch:	460-112983	Lab File ID:	p30186.d
Dilution:	1.0			Initial Weight/Volume:	15.01 g
Analysis Date:	05/18/2012 0746			Final Weight/Volume:	1 mL
Prep Date:	05/17/2012 1125			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Benzaldehyde		46	U	46	390
Benzo[b]fluoranthene		2.5	U	2.5	39
Benzo[g,h,i]perylene		29	U	29	390
Benzo[k]fluoranthene		3.0	U	3.0	39
Chrysene		46	U	46	390
Dibenz(a,h)anthracene		4.9	U	4.9	39
Fluoranthene		52	U	52	390
Fluorene		50	U	50	390
Bis(2-chloroethoxy)methane		51	U	51	390
Indeno[1,2,3-cd]pyrene		7.3	U	7.3	39
Bis(2-chloroethyl)ether		5.3	U	5.3	39
Phenanthrene		50	U	50	390
Pyrene		33	U	33	390
Caprolactam		90	U	90	390
Carbazole		46	U	46	390
Dibenzofuran		46	U	46	390
Diphenyl		53	U	53	390
Hexachlorobutadiene		9.6	U	9.6	79
Hexachloroethane		4.4	U	4.4	39
Naphthalene		45	U	45	390
N-Nitrosodi-n-propylamine		6.5	U	6.5	39
Pentachlorophenol		120	U	120	1200
Phenol		53	U	53	390
3 & 4 Methylphenol		67	U	67	390

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	67		38 - 105
Phenol-d5	68		41 - 118
Terphenyl-d14	100		16 - 151
2-Fluorophenol	65		37 - 125
2,4,6-Tribromophenol	56		10 - 120
2-Fluorobiphenyl	73		40 - 109

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Client Sample ID: **DB-3 30.5-31'**

Lab Sample ID: 460-40258-6
Client Matrix: Solid
% Moisture: 13.4

Date Sampled: 05/10/2012 1655
Date Received: 05/15/2012 1635

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-113076	Instrument ID:	BNAMS10
Prep Method:	3541	Prep Batch:	460-112983	Lab File ID:	p30187.d
Dilution:	1.0			Initial Weight/Volume:	15.01 g
Analysis Date:	05/18/2012 0813			Final Weight/Volume:	1 mL
Prep Date:	05/17/2012 1125			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,2,4,5-Tetrachlorobenzene		51	U	51	380
2,2'-oxybis[1-chloropropane]		42	U	42	380
2,3,4,6-Tetrachlorophenol		50	U	50	380
N-Nitrosodiphenylamine		38	U	38	380
Hexachlorocyclopentadiene		45	U	45	380
2,4-Dimethylphenol		94	U	94	380
2,6-Dinitrotoluene		12	U	12	77
Aniline		110	U	110	380
2,4-Dinitrotoluene		13	U	13	77
Bis(2-ethylhexyl) phthalate		130	U	130	380
Benzoic acid		380	U	380	380
2-Chloronaphthalene		43	U	43	380
Butyl benzyl phthalate		35	U	35	380
2-Chlorophenol		50	U	50	380
Di-n-butyl phthalate		47	U	47	380
2,4-Dichlorophenol		56	U	56	380
Diethyl phthalate		45	U	45	380
2,4-Dinitrophenol		220	U	220	1200
2-Methylphenol		65	U	65	380
Dimethyl phthalate		45	U	45	380
Di-n-octyl phthalate		24	U	24	380
3,3'-Dichlorobenzidine		130	U	130	770
Hexachlorobenzene		5.2	U	5.2	38
Isophorone		46	U	46	380
2-Methylnaphthalene		49	U	49	380
4,6-Dinitro-2-methylphenol		100	U	100	1200
2-Nitroaniline		160	U	160	770
4-Bromophenyl phenyl ether		38	U	38	380
3-Nitroaniline		140	U	140	770
4-Chloro-3-methylphenol		58	U	58	380
Nitrobenzene		5.4	U	5.4	38
2-Nitrophenol		43	U	43	380
4-Chlorophenyl phenyl ether		45	U	45	380
4-Methylphenol		75	U	75	380
4-Nitrophenol		250	U	250	1200
2,4,5-Trichlorophenol		49	U	49	380
4-Nitroaniline		120	U	120	770
2,4,6-Trichlorophenol		45	U	45	380
4-Chloroaniline		100	U	100	380
Acenaphthene		56	U	56	380
Acenaphthylene		45	U	45	380
Acetophenone		59	U	59	380
Anthracene		46	U	46	380
Benzo[a]anthracene		2.7	U	2.7	38
Atrazine		59	U	59	380
Benzo[a]pyrene		2.7	U	2.7	38

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Client Sample ID: **DB-3 30.5-31'**

Lab Sample ID: 460-40258-6
Client Matrix: Solid
% Moisture: 13.4
Date Sampled: 05/10/2012 1655
Date Received: 05/15/2012 1635

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-113076	Instrument ID:	BNAMS10
Prep Method:	3541	Prep Batch:	460-112983	Lab File ID:	p30187.d
Dilution:	1.0			Initial Weight/Volume:	15.01 g
Analysis Date:	05/18/2012 0813			Final Weight/Volume:	1 mL
Prep Date:	05/17/2012 1125			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Benzaldehyde		45	U	45	380
Benzo[b]fluoranthene		2.4	U	2.4	38
Benzo[g,h,i]perylene		28	U	28	380
Benzo[k]fluoranthene		2.9	U	2.9	38
Chrysene		45	U	45	380
Dibenz(a,h)anthracene		4.8	U	4.8	38
Fluoranthene		51	U	51	380
Fluorene		49	U	49	380
Bis(2-chloroethoxy)methane		49	U	49	380
Indeno[1,2,3-cd]pyrene		7.1	U	7.1	38
Bis(2-chloroethyl)ether		5.2	U	5.2	38
Phenanthrene		49	U	49	380
Pyrene		32	U	32	380
Caprolactam		88	U	88	380
Carbazole		45	U	45	380
Dibenzofuran		45	U	45	380
Diphenyl		51	U	51	380
Hexachlorobutadiene		9.3	U	9.3	77
Hexachloroethane		4.2	U	4.2	38
Naphthalene		44	U	44	380
N-Nitrosodi-n-propylamine		6.4	U	6.4	38
Pentachlorophenol		110	U	110	1200
Phenol		51	U	51	380
3 & 4 Methylphenol		65	U	65	380

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	57		38 - 105
Phenol-d5	56		41 - 118
Terphenyl-d14	80		16 - 151
2-Fluorophenol	55		37 - 125
2,4,6-Tribromophenol	58		10 - 120
2-Fluorobiphenyl	61		40 - 109

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Client Sample ID: **DB-5 21-21.5'**

Lab Sample ID: 460-40258-7
Client Matrix: Solid
% Moisture: 15.9

Date Sampled: 05/11/2012 1435
Date Received: 05/15/2012 1635

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-113076	Instrument ID:	BNAMS10
Prep Method:	3541	Prep Batch:	460-112983	Lab File ID:	p30188.d
Dilution:	1.0			Initial Weight/Volume:	15.02 g
Analysis Date:	05/18/2012 0840			Final Weight/Volume:	1 mL
Prep Date:	05/17/2012 1125			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,2,4,5-Tetrachlorobenzene		53	U	53	390
2,2'-oxybis[1-chloropropane]		43	U	43	390
2,3,4,6-Tetrachlorophenol		51	U	51	390
N-Nitrosodiphenylamine		39	U	39	390
Hexachlorocyclopentadiene		46	U	46	390
2,4-Dimethylphenol		97	U	97	390
2,6-Dinitrotoluene		12	U	12	80
Aniline		110	U	110	390
2,4-Dinitrotoluene		13	U	13	80
Bis(2-ethylhexyl) phthalate		130	U	130	390
Benzoic acid		390	U	390	390
2-Chloronaphthalene		44	U	44	390
Butyl benzyl phthalate		36	U	36	390
2-Chlorophenol		52	U	52	390
Di-n-butyl phthalate		48	U	48	390
2,4-Dichlorophenol		57	U	57	390
Diethyl phthalate		47	U	47	390
2,4-Dinitrophenol		220	U	220	1200
2-Methylphenol		67	U	67	390
Dimethyl phthalate		47	U	47	390
Di-n-octyl phthalate		25	U	25	390
3,3'-Dichlorobenzidine		140	U	140	800
Hexachlorobenzene		5.4	U	5.4	39
Isophorone		48	U	48	390
2-Methylnaphthalene		50	U	50	390
4,6-Dinitro-2-methylphenol		110	U	110	1200
2-Nitroaniline		160	U	160	800
4-Bromophenyl phenyl ether		39	U	39	390
3-Nitroaniline		140	U	140	800
4-Chloro-3-methylphenol		59	U	59	390
Nitrobenzene		5.6	U	5.6	39
2-Nitrophenol		44	U	44	390
4-Chlorophenyl phenyl ether		46	U	46	390
4-Methylphenol		77	U	77	390
4-Nitrophenol		250	U	250	1200
2,4,5-Trichlorophenol		51	U	51	390
4-Nitroaniline		120	U	120	800
2,4,6-Trichlorophenol		46	U	46	390
4-Chloroaniline		100	U	100	390
Acenaphthene		57	U	57	390
Acenaphthylene		46	U	46	390
Acetophenone		60	U	60	390
Anthracene		48	U	48	390
Benzo[a]anthracene		2.7	U	2.7	39
Atrazine		61	U	61	390
Benzo[a]pyrene		2.8	U	2.8	39

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Client Sample ID: **DB-5 21-21.5'**

Lab Sample ID: 460-40258-7
Client Matrix: Solid
% Moisture: 15.9
Date Sampled: 05/11/2012 1435
Date Received: 05/15/2012 1635

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-113076	Instrument ID:	BNAMS10
Prep Method:	3541	Prep Batch:	460-112983	Lab File ID:	p30188.d
Dilution:	1.0			Initial Weight/Volume:	15.02 g
Analysis Date:	05/18/2012 0840			Final Weight/Volume:	1 mL
Prep Date:	05/17/2012 1125			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Benzaldehyde		46	U	46	390
Benzo[b]fluoranthene		2.5	U	2.5	39
Benzo[g,h,i]perylene		29	U	29	390
Benzo[k]fluoranthene		3.0	U	3.0	39
Chrysene		46	U	46	390
Dibenz(a,h)anthracene		4.9	U	4.9	39
Fluoranthene		52	U	52	390
Fluorene		50	U	50	390
Bis(2-chloroethoxy)methane		51	U	51	390
Indeno[1,2,3-cd]pyrene		7.3	U	7.3	39
Bis(2-chloroethyl)ether		5.4	U	5.4	39
Phenanthrene		50	U	50	390
Pyrene		33	U	33	390
Caprolactam		90	U	90	390
Carbazole		46	U	46	390
Dibenzofuran		46	U	46	390
Diphenyl		53	U	53	390
Hexachlorobutadiene		9.6	U	9.6	80
Hexachloroethane		4.4	U	4.4	39
Naphthalene		45	U	45	390
N-Nitrosodi-n-propylamine		6.6	U	6.6	39
Pentachlorophenol		120	U	120	1200
Phenol		53	U	53	390
3 & 4 Methylphenol		67	U	67	390

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	60		38 - 105
Phenol-d5	65		41 - 118
Terphenyl-d14	84		16 - 151
2-Fluorophenol	59		37 - 125
2,4,6-Tribromophenol	61		10 - 120
2-Fluorobiphenyl	74		40 - 109

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Client Sample ID: **DB-5 35-35.5'**

Lab Sample ID: 460-40258-8
Client Matrix: Solid
% Moisture: 19.5

Date Sampled: 05/11/2012 1450
Date Received: 05/15/2012 1635

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-113076	Instrument ID:	BNAMS10
Prep Method:	3541	Prep Batch:	460-112983	Lab File ID:	p30189.d
Dilution:	1.0			Initial Weight/Volume:	15.00 g
Analysis Date:	05/18/2012 0907			Final Weight/Volume:	1 mL
Prep Date:	05/17/2012 1125			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,2,4,5-Tetrachlorobenzene		55	U	55	410
2,2'-oxybis[1-chloropropane]		45	U	45	410
2,3,4,6-Tetrachlorophenol		53	U	53	410
N-Nitrosodiphenylamine		40	U	40	410
Hexachlorocyclopentadiene		48	U	48	410
2,4-Dimethylphenol		100	U	100	410
2,6-Dinitrotoluene		12	U	12	83
Aniline		120	U	120	410
2,4-Dinitrotoluene		14	U	14	83
Bis(2-ethylhexyl) phthalate		140	U	140	410
Benzoic acid		410	U	410	410
2-Chloronaphthalene		46	U	46	410
Butyl benzyl phthalate		38	U	38	410
2-Chlorophenol		54	U	54	410
Di-n-butyl phthalate		51	U	51	410
2,4-Dichlorophenol		60	U	60	410
Diethyl phthalate		49	U	49	410
2,4-Dinitrophenol		230	U	230	1200
2-Methylphenol		70	U	70	410
Dimethyl phthalate		49	U	49	410
Di-n-octyl phthalate		26	U	26	410
3,3'-Dichlorobenzidine		140	U	140	830
Hexachlorobenzene		5.6	U	5.6	41
Isophorone		50	U	50	410
2-Methylnaphthalene		53	U	53	410
4,6-Dinitro-2-methylphenol		110	U	110	1200
2-Nitroaniline		170	U	170	830
4-Bromophenyl phenyl ether		41	U	41	410
3-Nitroaniline		150	U	150	830
4-Chloro-3-methylphenol		62	U	62	410
Nitrobenzene		5.8	U	5.8	41
2-Nitrophenol		46	U	46	410
4-Chlorophenyl phenyl ether		48	U	48	410
4-Methylphenol		81	U	81	410
4-Nitrophenol		260	U	260	1200
2,4,5-Trichlorophenol		53	U	53	410
4-Nitroaniline		130	U	130	830
2,4,6-Trichlorophenol		48	U	48	410
4-Chloroaniline		110	U	110	410
Acenaphthene		60	U	60	410
Acenaphthylene		49	U	49	410
Acetophenone		63	U	63	410
Anthracene		50	U	50	410
Benzo[a]anthracene		2.9	U	2.9	41
Atrazine		63	U	63	410
Benzo[a]pyrene		2.9	U	2.9	41

Client: Shaw Environmental & Infrastructure, Inc | Job Number: 460-40258-1

Client Sample ID: **DB-5 35-35.5'**

Lab Sample ID: 460-40258-8 | Date Sampled: 05/11/2012 1450
Client Matrix: Solid | % Moisture: 19.5 | Date Received: 05/15/2012 1635

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-113076	Instrument ID:	BNAMS10
Prep Method:	3541	Prep Batch:	460-112983	Lab File ID:	p30189.d
Dilution:	1.0			Initial Weight/Volume:	15.00 g
Analysis Date:	05/18/2012 0907			Final Weight/Volume:	1 mL
Prep Date:	05/17/2012 1125			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Benzaldehyde		48	U	48	410
Benzo[b]fluoranthene		2.6	U	2.6	41
Benzo[g,h,i]perylene		30	U	30	410
Benzo[k]fluoranthene		3.1	U	3.1	41
Chrysene		48	U	48	410
Dibenz(a,h)anthracene		5.2	U	5.2	41
Fluoranthene		55	U	55	410
Fluorene		53	U	53	410
Bis(2-chloroethoxy)methane		53	U	53	410
Indeno[1,2,3-cd]pyrene		7.6	U	7.6	41
Bis(2-chloroethyl)ether		5.6	U	5.6	41
Phenanthrene		52	U	52	410
Pyrene		34	U	34	410
Caprolactam		95	U	95	410
Carbazole		49	U	49	410
Dibenzofuran		48	U	48	410
Diphenyl		55	U	55	410
Hexachlorobutadiene		10	U	10	83
Hexachloroethane		4.6	U	4.6	41
Naphthalene		48	U	48	410
N-Nitrosodi-n-propylamine		6.9	U	6.9	41
Pentachlorophenol		120	U	120	1200
Phenol		55	U	55	410
3 & 4 Methylphenol		70	U	70	410

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	65		38 - 105
Phenol-d5	62		41 - 118
Terphenyl-d14	85		16 - 151
2-Fluorophenol	61		37 - 125
2,4,6-Tribromophenol	60		10 - 120
2-Fluorobiphenyl	68		40 - 109

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Client Sample ID: **DB-5 49.5-50'**

Lab Sample ID: 460-40258-9
Client Matrix: Solid
% Moisture: 9.8
Date Sampled: 05/11/2012 1605
Date Received: 05/15/2012 1635

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-113076	Instrument ID:	BNAMS10
Prep Method:	3541	Prep Batch:	460-112983	Lab File ID:	p30190.d
Dilution:	1.0			Initial Weight/Volume:	15.03 g
Analysis Date:	05/18/2012 0934			Final Weight/Volume:	1 mL
Prep Date:	05/17/2012 1125			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,2,4,5-Tetrachlorobenzene		49	U	49	370
2,2'-oxybis[1-chloropropane]		41	U	41	370
2,3,4,6-Tetrachlorophenol		48	U	48	370
N-Nitrosodiphenylamine		36	U	36	370
Hexachlorocyclopentadiene		43	U	43	370
2,4-Dimethylphenol		90	U	90	370
2,6-Dinitrotoluene		11	U	11	74
Aniline		110	U	110	370
2,4-Dinitrotoluene		12	U	12	74
Bis(2-ethylhexyl) phthalate		120	U	120	370
Benzoic acid		370	U	370	370
2-Chloronaphthalene		41	U	41	370
Butyl benzyl phthalate		34	U	34	370
2-Chlorophenol		48	U	48	370
Di-n-butyl phthalate		45	U	45	370
2,4-Dichlorophenol		54	U	54	370
Diethyl phthalate		44	U	44	370
2,4-Dinitrophenol		210	U	210	1100
2-Methylphenol		62	U	62	370
Dimethyl phthalate		43	U	43	370
Di-n-octyl phthalate		23	U	23	370
3,3'-Dichlorobenzidine		130	U	130	740
Hexachlorobenzene		5.0	U	5.0	37
Isophorone		44	U	44	370
2-Methylnaphthalene		47	U	47	370
4,6-Dinitro-2-methylphenol		100	U	100	1100
2-Nitroaniline		150	U	150	740
4-Bromophenyl phenyl ether		36	U	36	370
3-Nitroaniline		130	U	130	740
4-Chloro-3-methylphenol		55	U	55	370
Nitrobenzene		5.2	U	5.2	37
2-Nitrophenol		41	U	41	370
4-Chlorophenyl phenyl ether		43	U	43	370
4-Methylphenol		72	U	72	370
4-Nitrophenol		240	U	240	1100
2,4,5-Trichlorophenol		47	U	47	370
4-Nitroaniline		110	U	110	740
2,4,6-Trichlorophenol		43	U	43	370
4-Chloroaniline		97	U	97	370
Acenaphthene		53	U	53	370
Acenaphthylene		43	U	43	370
Acetophenone		56	U	56	370
Anthracene		44	U	44	370
Benzo[a]anthracene		2.6	U	2.6	37
Atrazine		57	U	57	370
Benzo[a]pyrene		2.6	U	2.6	37

Client: Shaw Environmental & Infrastructure, Inc | Job Number: 460-40258-1

Client Sample ID: **DB-5 49.5-50'**

Lab Sample ID: 460-40258-9 | Date Sampled: 05/11/2012 1605
Client Matrix: Solid | % Moisture: 9.8 | Date Received: 05/15/2012 1635

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-113076	Instrument ID:	BNAMS10
Prep Method:	3541	Prep Batch:	460-112983	Lab File ID:	p30190.d
Dilution:	1.0			Initial Weight/Volume:	15.03 g
Analysis Date:	05/18/2012 0934			Final Weight/Volume:	1 mL
Prep Date:	05/17/2012 1125			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Benzaldehyde		43	U	43	370
Benzo[b]fluoranthene		2.3	U	2.3	37
Benzo[g,h,i]perylene		27	U	27	370
Benzo[k]fluoranthene		2.8	U	2.8	37
Chrysene		43	U	43	370
Dibenz(a,h)anthracene		4.6	U	4.6	37
Fluoranthene		49	U	49	370
Fluorene		47	U	47	370
Bis(2-chloroethoxy)methane		47	U	47	370
Indeno[1,2,3-cd]pyrene		6.8	U	6.8	37
Bis(2-chloroethyl)ether		5.0	U	5.0	37
Phenanthrene		47	U	47	370
Pyrene		31	U	31	370
Caprolactam		84	U	84	370
Carbazole		43	U	43	370
Dibenzofuran		43	U	43	370
Diphenyl		49	U	49	370
Hexachlorobutadiene		8.9	U	8.9	74
Hexachloroethane		4.1	U	4.1	37
Naphthalene		42	U	42	370
N-Nitrosodi-n-propylamine		6.1	U	6.1	37
Pentachlorophenol		110	U	110	1100
Phenol		49	U	49	370
3 & 4 Methylphenol		62	U	62	370

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	58		38 - 105
Phenol-d5	64		41 - 118
Terphenyl-d14	92		16 - 151
2-Fluorophenol	58		37 - 125
2,4,6-Tribromophenol	58		10 - 120
2-Fluorobiphenyl	64		40 - 109

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Client Sample ID: **DB-6 15-15.5'**

Lab Sample ID: 460-40258-10
Client Matrix: Solid
% Moisture: 21.1

Date Sampled: 05/11/2012 1015
Date Received: 05/15/2012 1635

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-113076	Instrument ID:	BNAMS10
Prep Method:	3541	Prep Batch:	460-112983	Lab File ID:	p30193.d
Dilution:	1.0			Initial Weight/Volume:	15.02 g
Analysis Date:	05/18/2012 1055			Final Weight/Volume:	1 mL
Prep Date:	05/17/2012 1125			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,2,4,5-Tetrachlorobenzene		56	U	56	420
2,2'-oxybis[1-chloropropane]		46	U	46	420
2,3,4,6-Tetrachlorophenol		54	U	54	420
N-Nitrosodiphenylamine		41	U	41	420
Hexachlorocyclopentadiene		49	U	49	420
2,4-Dimethylphenol		100	U	100	420
2,6-Dinitrotoluene		13	U	13	85
Aniline		120	U	120	420
2,4-Dinitrotoluene		14	U	14	85
Bis(2-ethylhexyl) phthalate		140	U	140	420
Benzoic acid		420	U	420	420
2-Chloronaphthalene		47	U	47	420
Butyl benzyl phthalate		38	U	38	420
2-Chlorophenol		55	U	55	420
Di-n-butyl phthalate		52	U	52	420
2,4-Dichlorophenol		61	U	61	420
Diethyl phthalate		50	U	50	420
2,4-Dinitrophenol		240	U	240	1300
2-Methylphenol		71	U	71	420
Dimethyl phthalate		50	U	50	420
Di-n-octyl phthalate		27	U	27	420
3,3'-Dichlorobenzidine		150	U	150	850
Hexachlorobenzene		5.7	U	5.7	42
Isophorone		51	U	51	420
2-Methylnaphthalene		54	U	54	420
4,6-Dinitro-2-methylphenol		110	U	110	1300
2-Nitroaniline		170	U	170	850
4-Bromophenyl phenyl ether		42	U	42	420
3-Nitroaniline		150	U	150	850
4-Chloro-3-methylphenol		63	U	63	420
Nitrobenzene		5.9	U	5.9	42
2-Nitrophenol		47	U	47	420
4-Chlorophenyl phenyl ether		49	U	49	420
4-Methylphenol		82	U	82	420
4-Nitrophenol		270	U	270	1300
2,4,5-Trichlorophenol		54	U	54	420
4-Nitroaniline		130	U	130	850
2,4,6-Trichlorophenol		49	U	49	420
4-Chloroaniline		110	U	110	420
Acenaphthene		61	U	61	420
Acenaphthylene		49	U	49	420
Acetophenone		64	U	64	420
Anthracene		51	U	51	420
Benzo[a]anthracene		70		2.9	42
Atrazine		65	U	65	420
Benzo[a]pyrene		110		3.0	42

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Client Sample ID: **DB-6 15-15.5'**

Lab Sample ID: 460-40258-10
Client Matrix: Solid
% Moisture: 21.1
Date Sampled: 05/11/2012 1015
Date Received: 05/15/2012 1635

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-113076	Instrument ID:	BNAMS10
Prep Method:	3541	Prep Batch:	460-112983	Lab File ID:	p30193.d
Dilution:	1.0			Initial Weight/Volume:	15.02 g
Analysis Date:	05/18/2012 1055			Final Weight/Volume:	1 mL
Prep Date:	05/17/2012 1125			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Benzaldehyde		49	U	49	420
Benzo[b]fluoranthene		69		2.6	42
Benzo[g,h,i]perylene		74	J	31	420
Benzo[k]fluoranthene		3.2	U	3.2	42
Chrysene		66	J	49	420
Dibenz(a,h)anthracene		5.3	U	5.3	42
Fluoranthene		56	U	56	420
Fluorene		54	U	54	420
Bis(2-chloroethoxy)methane		54	U	54	420
Indeno[1,2,3-cd]pyrene		51		7.8	42
Bis(2-chloroethyl)ether		5.7	U	5.7	42
Phenanthrene		53	U	53	420
Pyrene		110	J	35	420
Caprolactam		96	U	96	420
Carbazole		49	U	49	420
Dibenzofuran		49	U	49	420
Diphenyl		56	U	56	420
Hexachlorobutadiene		10	U	10	85
Hexachloroethane		4.7	U	4.7	42
Naphthalene		48	U	48	420
N-Nitrosodi-n-propylamine		7.0	U	7.0	42
Pentachlorophenol		120	U	120	1300
Phenol		56	U	56	420
3 & 4 Methylphenol		71	U	71	420

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	69		38 - 105
Phenol-d5	69		41 - 118
Terphenyl-d14	88		16 - 151
2-Fluorophenol	66		37 - 125
2,4,6-Tribromophenol	66		10 - 120
2-Fluorobiphenyl	82		40 - 109

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Client Sample ID: **DB-6 29.5-30'**

Lab Sample ID: 460-40258-11
Client Matrix: Solid
% Moisture: 9.9

Date Sampled: 05/11/2012 1045
Date Received: 05/15/2012 1635

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-113487	Instrument ID:	BNAMS10
Prep Method:	3541	Prep Batch:	460-112983	Lab File ID:	p30246.d
Dilution:	5.0			Initial Weight/Volume:	15.04 g
Analysis Date:	05/21/2012 1813			Final Weight/Volume:	1 mL
Prep Date:	05/17/2012 1125			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,2,4,5-Tetrachlorobenzene		250	U	250	1800
2,2'-oxybis[1-chloropropane]		200	U	200	1800
2,3,4,6-Tetrachlorophenol		240	U	240	1800
N-Nitrosodiphenylamine		180	U	180	1800
Hexachlorocyclopentadiene		220	U	220	1800
2,4-Dimethylphenol		450	U	450	1800
2,6-Dinitrotoluene		55	U	55	370
Aniline		530	U	530	1800
2,4-Dinitrotoluene		60	U	60	370
Bis(2-ethylhexyl) phthalate		610	U	610	1800
Benzoic acid		1800	U	1800	1800
2-Chloronaphthalene		200	U	200	1800
Butyl benzyl phthalate		170	U	170	1800
2-Chlorophenol		240	U	240	1800
Di-n-butyl phthalate		230	U	230	1800
2,4-Dichlorophenol		270	U	270	1800
Diethyl phthalate		220	U	220	1800
2,4-Dinitrophenol		1000	U	1000	5500
2-Methylphenol		310	U	310	1800
Dimethyl phthalate		220	U	220	1800
Di-n-octyl phthalate		120	U	120	1800
3,3'-Dichlorobenzidine		640	U	640	3700
Hexachlorobenzene		25	U	25	180
Isophorone		220	U	220	1800
2-Methylnaphthalene		410	J	240	1800
4,6-Dinitro-2-methylphenol		500	U	500	5500
2-Nitroaniline		760	U	760	3700
4-Bromophenyl phenyl ether		180	U	180	1800
3-Nitroaniline		650	U	650	3700
4-Chloro-3-methylphenol		280	U	280	1800
Nitrobenzene		26	U	26	180
2-Nitrophenol		200	U	200	1800
4-Chlorophenyl phenyl ether		210	U	210	1800
4-Methylphenol		360	U	360	1800
4-Nitrophenol		1200	U	1200	5500
2,4,5-Trichlorophenol		240	U	240	1800
4-Nitroaniline		570	U	570	3700
2,4,6-Trichlorophenol		210	U	210	1800
4-Chloroaniline		490	U	490	1800
Acenaphthene		2800		270	1800
Acenaphthylene		7000		220	1800
Acetophenone		280	U	280	1800
Anthracene		6100		220	1800
Benzo[a]anthracene		2800		13	180
Atrazine		280	U	280	1800
Benzo[a]pyrene		1800		13	180

Client: Shaw Environmental & Infrastructure, Inc | Job Number: 460-40258-1

Client Sample ID: **DB-6 29.5-30'**

Lab Sample ID: 460-40258-11 | Date Sampled: 05/11/2012 1045
Client Matrix: Solid | % Moisture: 9.9 | Date Received: 05/15/2012 1635

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-113487	Instrument ID:	BNAMS10
Prep Method:	3541	Prep Batch:	460-112983	Lab File ID:	p30246.d
Dilution:	5.0			Initial Weight/Volume:	15.04 g
Analysis Date:	05/21/2012 1813			Final Weight/Volume:	1 mL
Prep Date:	05/17/2012 1125			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Benzaldehyde		220	U	220	1800
Benzo[b]fluoranthene		1300		12	180
Benzo[g,h,i]perylene		600	J	140	1800
Benzo[k]fluoranthene		460		14	180
Chrysene		2700		210	1800
Dibenz(a,h)anthracene		190		23	180
Fluoranthene		5800		240	1800
Fluorene		6600		230	1800
Bis(2-chloroethoxy)methane		240	U	240	1800
Indeno[1,2,3-cd]pyrene		630		34	180
Bis(2-chloroethyl)ether		25	U	25	180
Phenanthrene		21000		230	1800
Pyrene		7500		150	1800
Caprolactam		420	U	420	1800
Carbazole		220	U	220	1800
Dibenzofuran		680	J	210	1800
Diphenyl		2300		250	1800
Hexachlorobutadiene		45	U	45	370
Hexachloroethane		20	U	20	180
Naphthalene		5400		210	1800
N-Nitrosodi-n-propylamine		31	U	31	180
Pentachlorophenol		550	U	550	5500
Phenol		250	U	250	1800
3 & 4 Methylphenol		310	U	310	1800

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	58		38 - 105
Phenol-d5	61		41 - 118
Terphenyl-d14	73		16 - 151
2-Fluorophenol	58		37 - 125
2,4,6-Tribromophenol	46		10 - 120
2-Fluorobiphenyl	76		40 - 109

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Client Sample ID: **DB-6 39.5-40'**

Lab Sample ID: 460-40258-13
Client Matrix: Solid
% Moisture: 22.3
Date Sampled: 05/11/2012 1055
Date Received: 05/15/2012 1635

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-113358	Instrument ID:	BNAMS4
Prep Method:	3541	Prep Batch:	460-113111	Lab File ID:	u76603.d
Dilution:	1.0			Initial Weight/Volume:	15.01 g
Analysis Date:	05/21/2012 1404			Final Weight/Volume:	1 mL
Prep Date:	05/18/2012 0913			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,2,4,5-Tetrachlorobenzene		57	U	57	420
2,2'-oxybis[1-chloropropane]		47	U	47	420
2,3,4,6-Tetrachlorophenol		55	U	55	420
N-Nitrosodiphenylamine		42	U	42	420
Hexachlorocyclopentadiene		50	U	50	420
2,4-Dimethylphenol		100	U	100	420
2,6-Dinitrotoluene		13	U	13	86
Aniline		120	U	120	420
2,4-Dinitrotoluene		14	U	14	86
Bis(2-ethylhexyl) phthalate		140	U	140	420
Benzoic acid		420	U	420	420
2-Chloronaphthalene		47	U	47	420
Butyl benzyl phthalate		39	U	39	420
2-Chlorophenol		56	U	56	420
Di-n-butyl phthalate		52	U	52	420
2,4-Dichlorophenol		62	U	62	420
Diethyl phthalate		51	U	51	420
2,4-Dinitrophenol		240	U	240	1300
2-Methylphenol		73	U	73	420
Dimethyl phthalate		50	U	50	420
Di-n-octyl phthalate		27	U	27	420
3,3'-Dichlorobenzidine		150	U	150	860
Hexachlorobenzene		5.8	U	5.8	42
Isophorone		52	U	52	420
2-Methylnaphthalene		55	U	55	420
4,6-Dinitro-2-methylphenol		120	U	120	1300
2-Nitroaniline		180	U	180	860
4-Bromophenyl phenyl ether		42	U	42	420
3-Nitroaniline		150	U	150	860
4-Chloro-3-methylphenol		64	U	64	420
Nitrobenzene		6.0	U	6.0	42
2-Nitrophenol		47	U	47	420
4-Chlorophenyl phenyl ether		50	U	50	420
4-Methylphenol		84	U	84	420
4-Nitrophenol		270	U	270	1300
2,4,5-Trichlorophenol		55	U	55	420
4-Nitroaniline		130	U	130	860
2,4,6-Trichlorophenol		50	U	50	420
4-Chloroaniline		110	U	110	420
Acenaphthene		62	U	62	420
Acenaphthylene		50	U	50	420
Acetophenone		65	U	65	420
Anthracene		52	U	52	420
Benzo[a]anthracene		3.0	U	3.0	42
Atrazine		66	U	66	420
Benzo[a]pyrene		3.0	U	3.0	42

Client: Shaw Environmental & Infrastructure, Inc | Job Number: 460-40258-1

Client Sample ID: **DB-6 39.5-40'**

Lab Sample ID: 460-40258-13 | Date Sampled: 05/11/2012 1055
Client Matrix: Solid | % Moisture: 22.3 | Date Received: 05/15/2012 1635

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-113358	Instrument ID:	BNAMS4
Prep Method:	3541	Prep Batch:	460-113111	Lab File ID:	u76603.d
Dilution:	1.0			Initial Weight/Volume:	15.01 g
Analysis Date:	05/21/2012 1404			Final Weight/Volume:	1 mL
Prep Date:	05/18/2012 0913			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Benzaldehyde		50	U	50	420
Benzo[b]fluoranthene		2.7	U	2.7	42
Benzo[g,h,i]perylene		32	U	32	420
Benzo[k]fluoranthene		3.2	U	3.2	42
Chrysene		50	U	50	420
Dibenz(a,h)anthracene		5.4	U	5.4	42
Fluoranthene		57	U	57	420
Fluorene		54	U	54	420
Bis(2-chloroethoxy)methane		55	U	55	420
Indeno[1,2,3-cd]pyrene		7.9	U	7.9	42
Bis(2-chloroethyl)ether		5.8	U	5.8	42
Phenanthrene		54	U	54	420
Pyrene		36	U	36	420
Caprolactam		98	U	98	420
Carbazole		50	U	50	420
Dibenzofuran		50	U	50	420
Diphenyl		57	U	57	420
Hexachlorobutadiene		10	U	10	86
Hexachloroethane		4.7	U	4.7	42
Naphthalene		150	J	49	420
N-Nitrosodi-n-propylamine		7.1	U	7.1	42
Pentachlorophenol		130	U	130	1300
Phenol		57	U	57	420
3 & 4 Methylphenol		73	U	73	420

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	70		38 - 105
Phenol-d5	79		41 - 118
Terphenyl-d14	103		16 - 151
2-Fluorophenol	79		37 - 125
2,4,6-Tribromophenol	65		10 - 120
2-Fluorobiphenyl	77		40 - 109

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Client Sample ID: **DB-1 23-23.5'**

Lab Sample ID: 460-40258-1
Client Matrix: Solid
% Moisture: 14.1
Date Sampled: 05/10/2012 1235
Date Received: 05/15/2012 1635

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	460-113027	Instrument ID:	ICP4
Prep Method:	3050B	Prep Batch:	460-112924	Lab File ID:	05172012.asc
Dilution:	4.0			Initial Weight/Volume:	1.09 g
Analysis Date:	05/17/2012 1518			Final Weight/Volume:	50 mL
Prep Date:	05/17/2012 0701				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		5.2		1.0	1.1
Barium		33.7	J	1.2	42.7
Beryllium		0.15	J	0.15	0.43
Cadmium		0.16	U	0.16	1.1
Chromium (total)		7.2		0.92	2.1
Cobalt		3.3	J	0.91	10.7
Copper		6.9		2.1	5.3
Iron		8600		12.9	32.0
Lead		2.9		0.92	1.1
Manganese		113		0.94	3.2
Nickel		7.4	J	0.94	8.5
Selenium		1.4	U	1.4	2.1
Silver		0.21	U	0.21	2.1
Vanadium		12.5		0.82	10.7
Zinc		15.9		1.2	6.4

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	460-112895	Instrument ID:	LEEMAN3
Prep Method:	7471A	Prep Batch:	460-112881	Lab File ID:	112881HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	0.62 g
Analysis Date:	05/16/2012 1959			Final Weight/Volume:	100 mL
Prep Date:	05/16/2012 1700				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.025	U	0.025	0.037

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Client Sample ID: **DB-1 34.5-35'**

Lab Sample ID: 460-40258-2
Client Matrix: Solid
% Moisture: 16.6

Date Sampled: 05/10/2012 1245
Date Received: 05/15/2012 1635

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	460-113027	Instrument ID:	ICP4
Prep Method:	3050B	Prep Batch:	460-112924	Lab File ID:	05172012.asc
Dilution:	4.0			Initial Weight/Volume:	1.06 g
Analysis Date:	05/17/2012 1521			Final Weight/Volume:	50 mL
Prep Date:	05/17/2012 0701				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		17.8		1.1	1.1
Barium		55.5		1.3	45.3
Beryllium		0.26	J	0.16	0.45
Cadmium		0.42	J	0.17	1.1
Chromium (total)		90.4		0.97	2.3
Cobalt		4.1	J	0.96	11.3
Copper		114		2.2	5.7
Iron		20200		13.7	33.9
Lead		244		0.97	1.1
Manganese		380		1.0	3.4
Nickel		32.3		1.0	9.1
Selenium		1.5	U	1.5	2.3
Silver		0.51	J	0.23	2.3
Vanadium		11.1	J	0.87	11.3
Zinc		112		1.2	6.8

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	460-112895	Instrument ID:	LEEMAN3
Prep Method:	7471A	Prep Batch:	460-112881	Lab File ID:	112881HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	0.60 g
Analysis Date:	05/16/2012 2001			Final Weight/Volume:	100 mL
Prep Date:	05/16/2012 1700				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.27		0.026	0.040

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Client Sample ID: **DB-2 13.5-14'**

Lab Sample ID: 460-40258-3
Client Matrix: Solid
% Moisture: 15.1

Date Sampled: 05/10/2012 1400
Date Received: 05/15/2012 1635

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	460-113027	Instrument ID:	ICP4
Prep Method:	3050B	Prep Batch:	460-112924	Lab File ID:	05172012.asc
Dilution:	4.0			Initial Weight/Volume:	1.12 g
Analysis Date:	05/17/2012 1525			Final Weight/Volume:	50 mL
Prep Date:	05/17/2012 0701				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		14.4		0.99	1.1
Barium		84.1		1.2	42.1
Beryllium		0.42		0.15	0.42
Cadmium		0.48	J	0.16	1.1
Chromium (total)		22.1		0.90	2.1
Cobalt		5.0	J	0.90	10.5
Copper		37.9		2.0	5.3
Iron		15300		12.7	31.6
Lead		91.9		0.90	1.1
Manganese		217		0.93	3.2
Nickel		18.5		0.93	8.4
Selenium		1.4	U	1.4	2.1
Silver		0.38	J	0.21	2.1
Vanadium		22.9		0.81	10.5
Zinc		87.5		1.1	6.3

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	460-112895	Instrument ID:	LEEMAN3
Prep Method:	7471A	Prep Batch:	460-112881	Lab File ID:	112881HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	0.64 g
Analysis Date:	05/16/2012 2007			Final Weight/Volume:	100 mL
Prep Date:	05/16/2012 1700				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.041		0.024	0.036

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Client Sample ID: **DB-2 34.5-35'**

Lab Sample ID: 460-40258-4
Client Matrix: Solid
% Moisture: 10.8

Date Sampled: 05/10/2012 1450
Date Received: 05/15/2012 1635

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	460-113027	Instrument ID:	ICP4
Prep Method:	3050B	Prep Batch:	460-112924	Lab File ID:	05172012.asc
Dilution:	4.0			Initial Weight/Volume:	1.02 g
Analysis Date:	05/17/2012 1528			Final Weight/Volume:	50 mL
Prep Date:	05/17/2012 0701				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		5.1		1.0	1.1
Barium		70.8		1.3	44.0
Beryllium		0.29	J	0.16	0.44
Cadmium		0.16	U	0.16	1.1
Chromium (total)		24.9		0.94	2.2
Cobalt		8.2	J	0.94	11.0
Copper		50.5		2.1	5.5
Iron		28600		13.3	33.0
Lead		7.9		0.94	1.1
Manganese		460		0.97	3.3
Nickel		18.3		0.97	8.8
Selenium		1.5	U	1.5	2.2
Silver		0.37	J	0.22	2.2
Vanadium		45.9		0.84	11.0
Zinc		43.4		1.2	6.6

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	460-112895	Instrument ID:	LEEMAN3
Prep Method:	7471A	Prep Batch:	460-112881	Lab File ID:	112881HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	0.67 g
Analysis Date:	05/16/2012 2008			Final Weight/Volume:	100 mL
Prep Date:	05/16/2012 1700				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.022	U	0.022	0.033

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Client Sample ID: **DB-3 20.5-21'**

Lab Sample ID: 460-40258-5
Client Matrix: Solid
% Moisture: 15.7

Date Sampled: 05/10/2012 1640
Date Received: 05/15/2012 1635

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	460-113027	Instrument ID:	ICP4
Prep Method:	3050B	Prep Batch:	460-112924	Lab File ID:	05172012.asc
Dilution:	4.0			Initial Weight/Volume:	1.03 g
Analysis Date:	05/17/2012 1539			Final Weight/Volume:	50 mL
Prep Date:	05/17/2012 0701				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		2.5		1.1	1.2
Barium		13.9	J	1.3	46.1
Beryllium		0.17	U	0.17	0.46
Cadmium		0.17	U	0.17	1.2
Chromium (total)		10.1		0.99	2.3
Cobalt		3.2	J	0.98	11.5
Copper		7.2		2.2	5.8
Iron		10700		13.9	34.6
Lead		9.4		0.99	1.2
Manganese		93.7		1.0	3.5
Nickel		7.7	J	1.0	9.2
Selenium		1.5	U	1.5	2.3
Silver		0.23	U	0.23	2.3
Vanadium		15.7		0.88	11.5
Zinc		19.4		1.2	6.9

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	460-112895	Instrument ID:	LEEMAN3
Prep Method:	7471A	Prep Batch:	460-112881	Lab File ID:	112881HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	0.62 g
Analysis Date:	05/16/2012 2010			Final Weight/Volume:	100 mL
Prep Date:	05/16/2012 1700				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.025	U	0.025	0.038

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Client Sample ID: **DB-3 30.5-31'**

Lab Sample ID: 460-40258-6
Client Matrix: Solid
% Moisture: 13.4

Date Sampled: 05/10/2012 1655
Date Received: 05/15/2012 1635

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	460-113027	Instrument ID:	ICP4
Prep Method:	3050B	Prep Batch:	460-112924	Lab File ID:	05172012.asc
Dilution:	4.0			Initial Weight/Volume:	1.06 g
Analysis Date:	05/17/2012 1543			Final Weight/Volume:	50 mL
Prep Date:	05/17/2012 0701				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		2.5		1.0	1.1
Barium		41.7	J	1.2	43.6
Beryllium		0.24	J	0.16	0.44
Cadmium		0.16	U	0.16	1.1
Chromium (total)		17.9		0.94	2.2
Cobalt		6.2	J	0.93	10.9
Copper		21.1		2.1	5.4
Iron		18700		13.2	32.7
Lead		6.6		0.94	1.1
Manganese		350		0.96	3.3
Nickel		14.5		0.96	8.7
Selenium		1.4	U	1.4	2.2
Silver		0.22	U	0.22	2.2
Vanadium		25.2		0.84	10.9
Zinc		34.0		1.2	6.5

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	460-112895	Instrument ID:	LEEMAN3
Prep Method:	7471A	Prep Batch:	460-112881	Lab File ID:	112881HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	0.66 g
Analysis Date:	05/16/2012 2012			Final Weight/Volume:	100 mL
Prep Date:	05/16/2012 1700				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.023	U	0.023	0.035

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Client Sample ID: **DB-5 21-21.5'**

Lab Sample ID: 460-40258-7
Client Matrix: Solid
% Moisture: 15.9

Date Sampled: 05/11/2012 1435
Date Received: 05/15/2012 1635

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	460-113027	Instrument ID:	ICP4
Prep Method:	3050B	Prep Batch:	460-112924	Lab File ID:	05172012.asc
Dilution:	4.0			Initial Weight/Volume:	1.03 g
Analysis Date:	05/17/2012 1546			Final Weight/Volume:	50 mL
Prep Date:	05/17/2012 0701				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		3.9		1.1	1.2
Barium		24.6	J	1.3	46.2
Beryllium		0.35	J	0.17	0.46
Cadmium		0.17	U	0.17	1.2
Chromium (total)		10.9		0.99	2.3
Cobalt		5.9	J	0.98	11.5
Copper		19.8		2.2	5.8
Iron		15000		14.0	34.6
Lead		18.6		0.99	1.2
Manganese		189		1.0	3.5
Nickel		11.6		1.0	9.2
Selenium		1.5	U	1.5	2.3
Silver		0.23	U	0.23	2.3
Vanadium		15.2		0.89	11.5
Zinc		40.2		1.2	6.9

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	460-112895	Instrument ID:	LEEMAN3
Prep Method:	7471A	Prep Batch:	460-112881	Lab File ID:	112881HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	0.63 g
Analysis Date:	05/16/2012 2014			Final Weight/Volume:	100 mL
Prep Date:	05/16/2012 1700				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.025	U	0.025	0.037

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Client Sample ID: **DB-5 35-35.5'**

Lab Sample ID: 460-40258-8
Client Matrix: Solid
% Moisture: 19.5

Date Sampled: 05/11/2012 1450
Date Received: 05/15/2012 1635

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	460-113027	Instrument ID:	ICP4
Prep Method:	3050B	Prep Batch:	460-112924	Lab File ID:	05172012.asc
Dilution:	4.0			Initial Weight/Volume:	1.11 g
Analysis Date:	05/17/2012 1550			Final Weight/Volume:	50 mL
Prep Date:	05/17/2012 0701				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		3.0		1.1	1.1
Barium		102		1.3	44.8
Beryllium		0.53		0.16	0.45
Cadmium		0.17	U	0.17	1.1
Chromium (total)		30.8		0.96	2.2
Cobalt		11.4		0.95	11.2
Copper		26.7		2.2	5.6
Iron		25000		13.5	33.6
Lead		11.2		0.96	1.1
Manganese		524		0.98	3.4
Nickel		28.0		0.98	9.0
Selenium		1.5	U	1.5	2.2
Silver		0.35	J	0.22	2.2
Vanadium		35.7		0.86	11.2
Zinc		70.9		1.2	6.7

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	460-112895	Instrument ID:	LEEMAN3
Prep Method:	7471A	Prep Batch:	460-112881	Lab File ID:	112881HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	0.61 g
Analysis Date:	05/16/2012 2016			Final Weight/Volume:	100 mL
Prep Date:	05/16/2012 1700				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.027	U	0.027	0.040

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Client Sample ID: **DB-5 49.5-50'**

Lab Sample ID: 460-40258-9
Client Matrix: Solid
% Moisture: 9.8

Date Sampled: 05/11/2012 1605
Date Received: 05/15/2012 1635

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	460-113027	Instrument ID:	ICP4
Prep Method:	3050B	Prep Batch:	460-112924	Lab File ID:	05172012.asc
Dilution:	4.0			Initial Weight/Volume:	1.04 g
Analysis Date:	05/17/2012 1307			Final Weight/Volume:	50 mL
Prep Date:	05/17/2012 0701				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		1.8		1.0	1.1
Barium		48.2		1.2	42.6
Beryllium		0.21	J	0.15	0.43
Cadmium		0.16	U	0.16	1.1
Chromium (total)		11.6		0.92	2.1
Cobalt		5.1	J	0.91	10.7
Copper		14.1		2.1	5.3
Iron		15100		12.9	32.0
Lead		4.9		0.92	1.1
Manganese		321		0.94	3.2
Nickel		11.9		0.94	8.5
Selenium		1.4	U	1.4	2.1
Silver		0.21	U	0.21	2.1
Vanadium		20.4		0.82	10.7
Zinc		26.2		1.2	6.4

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	460-112895	Instrument ID:	LEEMAN3
Prep Method:	7471A	Prep Batch:	460-112881	Lab File ID:	112881HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	0.62 g
Analysis Date:	05/16/2012 2018			Final Weight/Volume:	100 mL
Prep Date:	05/16/2012 1700				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.024	U	0.024	0.035

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Client Sample ID: **DB-6 15-15.5'**

Lab Sample ID: 460-40258-10
Client Matrix: Solid
% Moisture: 21.1

Date Sampled: 05/11/2012 1015
Date Received: 05/15/2012 1635

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	460-113027	Instrument ID:	ICP4
Prep Method:	3050B	Prep Batch:	460-112924	Lab File ID:	05172012.asc
Dilution:	4.0			Initial Weight/Volume:	1.00 g
Analysis Date:	05/17/2012 1553			Final Weight/Volume:	50 mL
Prep Date:	05/17/2012 0701				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		5.9		1.2	1.3
Barium		28.1	J	1.4	50.7
Beryllium		0.43	J	0.18	0.51
Cadmium		0.19	U	0.19	1.3
Chromium (total)		43.1		1.1	2.5
Cobalt		6.3	J	1.1	12.7
Copper		19.6		2.5	6.3
Iron		28400		15.3	38.0
Lead		51.4		1.1	1.3
Manganese		301		1.1	3.8
Nickel		14.8		1.1	10.1
Selenium		1.7	U	1.7	2.5
Silver		0.25	U	0.25	2.5
Vanadium		29.5		0.97	12.7
Zinc		77.7		1.4	7.6

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	460-112895	Instrument ID:	LEEMAN3
Prep Method:	7471A	Prep Batch:	460-112881	Lab File ID:	112881HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	0.65 g
Analysis Date:	05/16/2012 2020			Final Weight/Volume:	100 mL
Prep Date:	05/16/2012 1700				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.14		0.026	0.039

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Client Sample ID: **DB-6 29.5-30'**

Lab Sample ID: 460-40258-11
Client Matrix: Solid
% Moisture: 9.9

Date Sampled: 05/11/2012 1045
Date Received: 05/15/2012 1635

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	460-113027	Instrument ID:	ICP4
Prep Method:	3050B	Prep Batch:	460-112924	Lab File ID:	05172012.asc
Dilution:	4.0			Initial Weight/Volume:	1.03 g
Analysis Date:	05/17/2012 1557			Final Weight/Volume:	50 mL
Prep Date:	05/17/2012 0701				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		4.8		1.0	1.1
Barium		23.5	J	1.2	43.1
Beryllium		0.28	J	0.16	0.43
Cadmium		0.16	U	0.16	1.1
Chromium (total)		15.3		0.93	2.2
Cobalt		6.1	J	0.92	10.8
Copper		21.5		2.1	5.4
Iron		19100		13.0	32.3
Lead		5.5		0.93	1.1
Manganese		147		0.95	3.2
Nickel		12.6		0.95	8.6
Selenium		1.4	U	1.4	2.2
Silver		0.22	U	0.22	2.2
Vanadium		25.8		0.83	10.8
Zinc		31.8		1.2	6.5

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	460-112895	Instrument ID:	LEEMAN3
Prep Method:	7471A	Prep Batch:	460-112881	Lab File ID:	112881HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	0.61 g
Analysis Date:	05/16/2012 2022			Final Weight/Volume:	100 mL
Prep Date:	05/16/2012 1700				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.024	U	0.024	0.036

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Client Sample ID: **DB-6 39.5-40'**

Lab Sample ID: 460-40258-13
Client Matrix: Solid
% Moisture: 22.3

Date Sampled: 05/11/2012 1055
Date Received: 05/15/2012 1635

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	460-113027	Instrument ID:	ICP4
Prep Method:	3050B	Prep Batch:	460-112924	Lab File ID:	05172012.asc
Dilution:	4.0			Initial Weight/Volume:	1.09 g
Analysis Date:	05/17/2012 1600			Final Weight/Volume:	50 mL
Prep Date:	05/17/2012 0701				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		4.5		1.1	1.2
Barium		219		1.3	47.3
Beryllium		0.80		0.17	0.47
Cadmium		0.18	J	0.17	1.2
Chromium (total)		51.7		1.0	2.4
Cobalt		20.1		1.0	11.8
Copper		40.1		2.3	5.9
Iron		37500		14.3	35.4
Lead		14.9		1.0	1.2
Manganese		608		1.0	3.5
Nickel		51.9		1.0	9.5
Selenium		1.6	U	1.6	2.4
Silver		0.82	J	0.24	2.4
Vanadium		55.0		0.91	11.8
Zinc		98.1		1.3	7.1

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	460-112895	Instrument ID:	LEEMAN3
Prep Method:	7471A	Prep Batch:	460-112881	Lab File ID:	112881HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	0.63 g
Analysis Date:	05/16/2012 2024			Final Weight/Volume:	100 mL
Prep Date:	05/16/2012 1700				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.027	U	0.027	0.040

General Chemistry

Client Sample ID: **DB-1 23-23.5'**

Lab Sample ID: 460-40258-1 Date Sampled: 05/10/2012 1235
Client Matrix: Solid Date Received: 05/15/2012 1635

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cr (III)	7.2		mg/Kg	0.75	2.0	1.0	7196A
Analysis Batch: 460-117362	Analysis Date: 06/25/2012 1249						DryWt Corrected: N
Cr (VI)	0.86	U	mg/Kg	0.86	2.3	1.0	7196A
Analysis Batch: 460-113337	Analysis Date: 05/21/2012 1539						DryWt Corrected: Y
Prep Batch: 460-113332	Prep Date: 05/21/2012 1130						
Cyanide, Total	0.063	U	mg/Kg	0.063	0.58	1.0	9012A
Analysis Batch: 460-113512	Analysis Date: 05/22/2012 1348						DryWt Corrected: Y
Prep Batch: 460-113428	Prep Date: 05/22/2012 0730						
Percent Moisture	14.1		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-113223	Analysis Date: 05/19/2012 1305						DryWt Corrected: N
Percent Solids	85.9		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-113223	Analysis Date: 05/19/2012 1305						DryWt Corrected: N

General Chemistry

Client Sample ID: **DB-1 34.5-35'**

Lab Sample ID: 460-40258-2 Date Sampled: 05/10/2012 1245
Client Matrix: Solid Date Received: 05/15/2012 1635

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cr (III)	90.4		mg/Kg	0.75	2.0	1.0	7196A
Analysis Batch: 460-117362	Analysis Date: 06/25/2012 1249						DryWt Corrected: N
Cr (VI)	0.88	U	mg/Kg	0.88	2.4	1.0	7196A
Analysis Batch: 460-113337	Analysis Date: 05/21/2012 1539						DryWt Corrected: Y
Prep Batch: 460-113332	Prep Date: 05/21/2012 1130						
Cyanide, Total	0.065	U	mg/Kg	0.065	0.60	1.0	9012A
Analysis Batch: 460-113512	Analysis Date: 05/22/2012 1350						DryWt Corrected: Y
Prep Batch: 460-113428	Prep Date: 05/22/2012 0730						
Percent Moisture	16.6		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-113223	Analysis Date: 05/19/2012 1305						DryWt Corrected: N
Percent Solids	83.4		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-113223	Analysis Date: 05/19/2012 1305						DryWt Corrected: N

General Chemistry

Client Sample ID: **DB-2 13.5-14'**

Lab Sample ID: 460-40258-3 Date Sampled: 05/10/2012 1400
Client Matrix: Solid Date Received: 05/15/2012 1635

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cr (III)	22.1		mg/Kg	0.75	2.0	1.0	7196A
Analysis Batch: 460-117362	Analysis Date: 06/25/2012 1249						DryWt Corrected: N
Cr (VI)	0.86	U	mg/Kg	0.86	2.3	1.0	7196A
Analysis Batch: 460-113337	Analysis Date: 05/21/2012 1715						DryWt Corrected: Y
Prep Batch: 460-113332	Prep Date: 05/21/2012 1130						
Cyanide, Total	0.064	U	mg/Kg	0.064	0.59	1.0	9012A
Analysis Batch: 460-113512	Analysis Date: 05/22/2012 1351						DryWt Corrected: Y
Prep Batch: 460-113428	Prep Date: 05/22/2012 0730						
Percent Moisture	15.1		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-113223	Analysis Date: 05/19/2012 1305						DryWt Corrected: N
Percent Solids	84.9		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-113223	Analysis Date: 05/19/2012 1305						DryWt Corrected: N

General Chemistry

Client Sample ID: **DB-2 34.5-35'**

Lab Sample ID: 460-40258-4 Date Sampled: 05/10/2012 1450
Client Matrix: Solid Date Received: 05/15/2012 1635

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cr (III)	24.9		mg/Kg	0.75	2.0	1.0	7196A
Analysis Batch: 460-117362	Analysis Date: 06/25/2012 1249						DryWt Corrected: N
Cr (VI)	0.85	U	mg/Kg	0.85	2.3	1.0	7196A
Analysis Batch: 460-113337	Analysis Date: 05/21/2012 1715						DryWt Corrected: Y
Prep Batch: 460-113332	Prep Date: 05/21/2012 1130						
Cyanide, Total	0.061	U	mg/Kg	0.061	0.56	1.0	9012A
Analysis Batch: 460-113512	Analysis Date: 05/22/2012 1352						DryWt Corrected: Y
Prep Batch: 460-113428	Prep Date: 05/22/2012 0730						
Percent Moisture	10.8		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-113223	Analysis Date: 05/19/2012 1305						DryWt Corrected: N
Percent Solids	89.2		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-113223	Analysis Date: 05/19/2012 1305						DryWt Corrected: N

General Chemistry

Client Sample ID: **DB-3 20.5-21'**

Lab Sample ID: 460-40258-5 Date Sampled: 05/10/2012 1640
Client Matrix: Solid Date Received: 05/15/2012 1635

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cr (III)	10.1		mg/Kg	0.75	2.0	1.0	7196A
Analysis Batch: 460-117362	Analysis Date: 06/25/2012 1249						DryWt Corrected: N
Cr (VI)	0.89	U	mg/Kg	0.89	2.4	1.0	7196A
Analysis Batch: 460-113337	Analysis Date: 05/21/2012 1715						DryWt Corrected: Y
Prep Batch: 460-113332	Prep Date: 05/21/2012 1130						
Cyanide, Total	0.064	U	mg/Kg	0.064	0.59	1.0	9012A
Analysis Batch: 460-113512	Analysis Date: 05/22/2012 1353						DryWt Corrected: Y
Prep Batch: 460-113428	Prep Date: 05/22/2012 0730						
Percent Moisture	15.7		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-113223	Analysis Date: 05/19/2012 1305						DryWt Corrected: N
Percent Solids	84.3		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-113223	Analysis Date: 05/19/2012 1305						DryWt Corrected: N

General Chemistry

Client Sample ID: **DB-3 30.5-31'**

Lab Sample ID: 460-40258-6 Date Sampled: 05/10/2012 1655
Client Matrix: Solid Date Received: 05/15/2012 1635

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cr (III)	17.9		mg/Kg	0.75	2.0	1.0	7196A
Analysis Batch: 460-117362	Analysis Date: 06/25/2012 1249						DryWt Corrected: N
Cr (VI)	0.85	U	mg/Kg	0.85	2.3	1.0	7196A
Analysis Batch: 460-113337	Analysis Date: 05/21/2012 1715						DryWt Corrected: Y
Prep Batch: 460-113332	Prep Date: 05/21/2012 1130						
Cyanide, Total	0.062	U	mg/Kg	0.062	0.58	1.0	9012A
Analysis Batch: 460-113512	Analysis Date: 05/22/2012 1354						DryWt Corrected: Y
Prep Batch: 460-113428	Prep Date: 05/22/2012 0730						
Percent Moisture	13.4		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-113223	Analysis Date: 05/19/2012 1305						DryWt Corrected: N
Percent Solids	86.6		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-113223	Analysis Date: 05/19/2012 1305						DryWt Corrected: N

General Chemistry

Client Sample ID: **DB-5 21-21.5'**

Lab Sample ID: 460-40258-7 Date Sampled: 05/11/2012 1435
Client Matrix: Solid Date Received: 05/15/2012 1635

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cr (III)	10.9		mg/Kg	0.75	2.0	1.0	7196A
Analysis Batch: 460-117362	Analysis Date: 06/25/2012 1249						DryWt Corrected: N
Cr (VI)	0.86	U	mg/Kg	0.86	2.3	1.0	7196A
Analysis Batch: 460-113337	Analysis Date: 05/21/2012 1715						DryWt Corrected: Y
Prep Batch: 460-113332	Prep Date: 05/21/2012 1130						
Cyanide, Total	0.064	U	mg/Kg	0.064	0.59	1.0	9012A
Analysis Batch: 460-113512	Analysis Date: 05/22/2012 1355						DryWt Corrected: Y
Prep Batch: 460-113428	Prep Date: 05/22/2012 0730						
Percent Moisture	15.9		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-113223	Analysis Date: 05/19/2012 1305						DryWt Corrected: N
Percent Solids	84.1		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-113223	Analysis Date: 05/19/2012 1305						DryWt Corrected: N

General Chemistry

Client Sample ID: **DB-5 35-35.5'**

Lab Sample ID: 460-40258-8 Date Sampled: 05/11/2012 1450
Client Matrix: Solid Date Received: 05/15/2012 1635

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cr (III)	30.8		mg/Kg	0.75	2.0	1.0	7196A
Analysis Batch: 460-117362	Analysis Date: 06/25/2012 1249						DryWt Corrected: N
Cr (VI)	0.93	U	mg/Kg	0.93	2.5	1.0	7196A
Analysis Batch: 460-113337	Analysis Date: 05/21/2012 1715						DryWt Corrected: Y
Prep Batch: 460-113332	Prep Date: 05/21/2012 1130						
Cyanide, Total	0.067	U	mg/Kg	0.067	0.62	1.0	9012A
Analysis Batch: 460-113512	Analysis Date: 05/22/2012 1359						DryWt Corrected: Y
Prep Batch: 460-113428	Prep Date: 05/22/2012 0730						
Percent Moisture	19.5		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-113223	Analysis Date: 05/19/2012 1305						DryWt Corrected: N
Percent Solids	80.5		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-113223	Analysis Date: 05/19/2012 1305						DryWt Corrected: N

General Chemistry

Client Sample ID: **DB-5 49.5-50'**

Lab Sample ID: 460-40258-9 Date Sampled: 05/11/2012 1605
Client Matrix: Solid Date Received: 05/15/2012 1635

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cr (III)	11.6		mg/Kg	0.75	2.0	1.0	7196A
Analysis Batch: 460-117362	Analysis Date: 06/25/2012 1249						DryWt Corrected: N
Cr (VI)	0.83	U	mg/Kg	0.83	2.2	1.0	7196A
Analysis Batch: 460-113337	Analysis Date: 05/21/2012 1539						DryWt Corrected: Y
Prep Batch: 460-113332	Prep Date: 05/21/2012 1130						
Cyanide, Total	0.060	U	mg/Kg	0.060	0.55	1.0	9012A
Analysis Batch: 460-113512	Analysis Date: 05/22/2012 1400						DryWt Corrected: Y
Prep Batch: 460-113428	Prep Date: 05/22/2012 0730						
Percent Moisture	9.8		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-113223	Analysis Date: 05/19/2012 1305						DryWt Corrected: N
Percent Solids	90.2		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-113223	Analysis Date: 05/19/2012 1305						DryWt Corrected: N

General Chemistry

Client Sample ID: **DB-6 15-15.5'**

Lab Sample ID: 460-40258-10 Date Sampled: 05/11/2012 1015
Client Matrix: Solid Date Received: 05/15/2012 1635

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cr (III)	43.1		mg/Kg	0.75	2.0	1.0	7196A
Analysis Batch: 460-117362	Analysis Date: 06/25/2012 1249						DryWt Corrected: N
Cr (VI)	0.94	U	mg/Kg	0.94	2.5	1.0	7196A
Analysis Batch: 460-113337	Analysis Date: 05/21/2012 1715						DryWt Corrected: Y
Prep Batch: 460-113332	Prep Date: 05/21/2012 1130						
Cyanide, Total	0.068	U	mg/Kg	0.068	0.63	1.0	9012A
Analysis Batch: 460-113512	Analysis Date: 05/22/2012 1401						DryWt Corrected: Y
Prep Batch: 460-113428	Prep Date: 05/22/2012 0730						
Percent Moisture	21.1		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-113223	Analysis Date: 05/19/2012 1305						DryWt Corrected: N
Percent Solids	78.9		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-113223	Analysis Date: 05/19/2012 1305						DryWt Corrected: N

General Chemistry

Client Sample ID: **DB-6 29.5-30'**

Lab Sample ID: 460-40258-11 Date Sampled: 05/11/2012 1045
Client Matrix: Solid Date Received: 05/15/2012 1635

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cr (III)	15.3		mg/Kg	0.75	2.0	1.0	7196A
Analysis Batch: 460-117362	Analysis Date: 06/25/2012 1249						DryWt Corrected: N
Cr (VI)	0.82	U	mg/Kg	0.82	2.2	1.0	7196A
Analysis Batch: 460-113337	Analysis Date: 05/21/2012 1715						DryWt Corrected: Y
Prep Batch: 460-113332	Prep Date: 05/21/2012 1130						
Cyanide, Total	0.060	U	mg/Kg	0.060	0.56	1.0	9012A
Analysis Batch: 460-113512	Analysis Date: 05/22/2012 1338						DryWt Corrected: Y
Prep Batch: 460-113451	Prep Date: 05/22/2012 0730						
Percent Moisture	9.9		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-113220	Analysis Date: 05/19/2012 1017						DryWt Corrected: N
Percent Solids	90.1		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-113220	Analysis Date: 05/19/2012 1017						DryWt Corrected: N

General Chemistry

Client Sample ID: **DB-6 30-30.5'**

Lab Sample ID: 460-40258-12 Date Sampled: 05/11/2012 1050

Client Matrix: Solid Date Received: 05/15/2012 1635

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Moisture	11.4		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-113223	Analysis Date: 05/19/2012 1305						DryWt Corrected: N
Percent Solids	88.6		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-113223	Analysis Date: 05/19/2012 1305						DryWt Corrected: N

General Chemistry

Client Sample ID: **DB-6 39.5-40'**

Lab Sample ID: 460-40258-13 Date Sampled: 05/11/2012 1055
Client Matrix: Solid Date Received: 05/15/2012 1635

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cr (III)	51.7		mg/Kg	0.75	2.0	1.0	7196A
Analysis Batch: 460-117362	Analysis Date: 06/25/2012 1249						DryWt Corrected: N
Cr (VI)	0.95	U	mg/Kg	0.95	2.5	1.0	7196A
Analysis Batch: 460-113337	Analysis Date: 05/21/2012 1715						DryWt Corrected: Y
Prep Batch: 460-113332	Prep Date: 05/21/2012 1130						
Cyanide, Total	0.070	U	mg/Kg	0.070	0.64	1.0	9012A
Analysis Batch: 460-113512	Analysis Date: 05/22/2012 1339						DryWt Corrected: Y
Prep Batch: 460-113451	Prep Date: 05/22/2012 0730						
Percent Moisture	22.3		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-113222	Analysis Date: 05/19/2012 1159						DryWt Corrected: N
Percent Solids	77.7		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-113222	Analysis Date: 05/19/2012 1159						DryWt Corrected: N

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCA %Rec	TOL %Rec	BFB %Rec
460-40258-1	DB-1 23-23.5'	113	107	98
460-40258-2	DB-1 34.5-35'	118	110	97
460-40258-3	DB-2 13.5-14'	117	111	101
460-40258-4	DB-2 34.5-35'	121	110	101
460-40258-5	DB-3 20.5-21'	116	106	100
460-40258-6	DB-3 30.5-31'	118	104	103
460-40258-8	DB-5 35-35.5'	115	101	99
460-40258-9	DB-5 49.5-50'	113	110	101
460-40258-10	DB-6 15-15.5'	107	94	91
460-40258-13	DB-6 39.5-40'	119	114	105
MB 460-113081/5		120	107	94
LB3 460-112896/1-A		122	103	95
LCS 460-113081/3		121	112	97
LCSD 460-113081/4		114	104	92

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	70-130
TOL = Toluene-d8 (Surr)	70-130
BFB = Bromofluorobenzene	70-130

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCA %Rec	TOL %Rec
460-40258-7	DB-5 21-21.5'	84	79
460-40258-12	DB-6 30-30.5'	91	87
MB 460-113082/4		114	105
LCS 460-113082/3		109	109

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	75-135
TOL = Toluene-d8 (Surr)	59-150

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DCA %Rec	TOL %Rec	BFB %Rec
460-40258-14	Trip Blank	101	105	104
MB 460-112972/4		92	95	93
LCS 460-112972/3		99	102	104

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	70-130
TOL = Toluene-d8 (Surr)	70-130
BFB = Bromofluorobenzene	70-130

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Surrogate Recovery Report

8270C Semivolatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	2FP %Rec	PHL %Rec	NBZ %Rec	FBP %Rec	TBP %Rec	TPH %Rec
460-40258-1	DB-1 23-23.5'	69	73	67	78	60	89
460-40258-2	DB-1 34.5-35'	71	74	77	92	72	92
460-40258-3	DB-2 13.5-14'	67	67	66	80	70	91
460-40258-4	DB-2 34.5-35'	67	67	70	75	82	86
460-40258-5	DB-3 20.5-21'	65	68	67	73	56	100
460-40258-6	DB-3 30.5-31'	55	56	57	61	58	80
460-40258-7	DB-5 21-21.5'	59	65	60	74	61	84
460-40258-8	DB-5 35-35.5'	61	62	65	68	60	85
460-40258-9	DB-5 49.5-50'	58	64	58	64	58	92
460-40258-10	DB-6 15-15.5'	66	69	69	82	66	88
460-40258-11	DB-6 29.5-30'	58	61	58	76	46	73
460-40258-13	DB-6 39.5-40'	79	79	70	77	65	103
MB 460-112983/1-A		72	72	79	81	65	88
MB 460-113111/1-A		90	91	77	84	89	79
LCS 460-112983/2-A		68	70	77	80	86	82
LCS 460-113111/2-A		82	82	73	73	85	67

Surrogate	Acceptance Limits
2FP = 2-Fluorophenol	37-125
PHL = Phenol-d5	41-118
NBZ = Nitrobenzene-d5	38-105
FBP = 2-Fluorobiphenyl	40-109
TBP = 2,4,6-Tribromophenol	10-120
TPH = Terphenyl-d14	16-151

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Neutral Leach or MeOH Extraction Blank - Batch: 460-112896

Method: 8260B
Preparation: 5035

Lab Sample ID:	LB3 460-112896/1-A	Analysis Batch:	460-113081	Instrument ID:	VOAMS12
Client Matrix:	Solid	Prep Batch:	460-112896	Lab File ID:	o60381.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	05/18/2012 0724	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	05/16/2012 2149				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Carbon disulfide	0.15	U	0.15	1.0
Tetrachloroethene	0.12	U	0.12	1.0
1,2-Dichloropropane	0.15	U	0.15	1.0
4-Methyl-2-pentanone	0.20	U	0.20	10
1,1,2-Trichloro-1,2,2-trichfluoroethane	0.11	U	0.11	1.0
Dibromochloromethane	0.10	U	0.10	1.0
1,2,4-Trichlorobenzene	0.19	U	0.19	1.0
Styrene	0.28	U	0.28	1.0
1,2,3-Trichlorobenzene	0.16	U	0.16	1.0
1,1,2,2-Tetrachloroethane	0.090	U	0.090	1.0
Chloroethane	0.33	U	0.33	1.0
2-Butanone	0.63	U	0.63	10
Isopropylbenzene	0.11	U	0.11	1.0
1,1,1-Trichloroethane	0.13	U	0.13	1.0
Benzene	0.15	U	0.15	1.0
cis-1,3-Dichloropropene	0.14	U	0.14	1.0
Bromochloromethane	0.11	U	0.11	1.0
Bromoform	0.17	U	0.17	1.0
1,1-Dichloroethane	0.11	U	0.11	1.0
1,2-Dichloroethane	0.18	U	0.18	1.0
1,1,2-Trichloroethane	0.14	U	0.14	1.0
Acetone	1.7	U	1.7	10
Methyl acetate	0.32	U	0.32	1.0
Dichlorodifluoromethane	0.22	U	0.22	1.0
Methylene Chloride	0.184	J	0.15	1.0
Chloromethane	0.16	U	0.16	1.0
Bromomethane	0.43	U	0.43	1.0
Toluene	0.391	J	0.14	1.0
o-Xylene	0.19	U	0.19	1.0
Chlorobenzene	0.18	U	0.18	1.0
1,2-Dibromo-3-Chloropropane	0.44	U	0.44	1.0
1,3-Dichlorobenzene	0.16	U	0.16	1.0
MTBE	0.11	U	0.11	1.0
trans-1,2-Dichloroethene	0.13	U	0.13	1.0
1,4-Dioxane	13	U	13	50
1,1-Dichloroethene	0.19	U	0.19	1.0
1,2-Dichlorobenzene	0.10	U	0.10	1.0
Trichloroethene	0.12	U	0.12	1.0
2-Hexanone	0.13	U	0.13	10
Ethylbenzene	0.17	U	0.17	1.0
Methylcyclohexane	0.10	U	0.10	1.0
Trichlorofluoromethane	0.16	U	0.16	1.0
Cyclohexane	0.13	U	0.13	1.0
trans-1,3-Dichloropropene	0.10	U	0.10	1.0
cis-1,2-Dichloroethene	0.11	U	0.11	1.0

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Neutral Leach or MeOH Extraction Blank - Batch: 460-112896

Method: 8260B
Preparation: 5035

Lab Sample ID:	LB3 460-112896/1-A	Analysis Batch:	460-113081	Instrument ID:	VOAMS12
Client Matrix:	Solid	Prep Batch:	460-112896	Lab File ID:	o60381.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	05/18/2012 0724	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	05/16/2012 2149				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Chloroform	0.24	U	0.24	1.0
m&p-Xylene	0.59	U	0.59	2.0
Vinyl chloride	0.34	U	0.34	1.0
1,2-Dibromoethane	0.15	U	0.15	1.0
Carbon tetrachloride	0.15	U	0.15	1.0
1,4-Dichlorobenzene	0.11	U	0.11	1.0
Bromodichloromethane	0.32	U	0.32	1.0
n-Butylbenzene	0.080	U	0.080	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
sec-Butylbenzene	0.13	U	0.13	1.0
N-Propylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.12	U	0.12	1.0
tert-Butylbenzene	0.12	U	0.12	1.0
p-Isopropyltoluene	0.14	U	0.14	1.0

Surrogate	% Rec	Acceptance Limits
Bromofluorobenzene	95	70 - 130
1,2-Dichloroethane-d4 (Surr)	122	70 - 130
Toluene-d8 (Surr)	103	70 - 130

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Method Blank - Batch: 460-112972

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 460-112972/4	Analysis Batch:	460-112972	Instrument ID:	VOAMS4
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	d20726.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	05/17/2012 1036	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	05/17/2012 1036				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Carbon disulfide	0.13	U	0.13	1.0
Tetrachloroethene	0.10	U	0.10	1.0
1,2-Dichloropropane	0.090	U	0.090	1.0
4-Methyl-2-pentanone	0.99	U	0.99	5.0
1,1,2-Trichloro-1,2,2-trichfluoroethane	0.080	U	0.080	1.0
Dibromochloromethane	0.20	U	0.20	1.0
1,2,4-Trichlorobenzene	0.34	U	0.34	1.0
Styrene	0.12	U	0.12	1.0
1,2,3-Trichlorobenzene	0.51	U	0.51	1.0
1,1,2,2-Tetrachloroethane	0.16	U	0.16	1.0
Chloroethane	0.17	U	0.17	1.0
2-Butanone	2.3	U	2.3	5.0
Isopropylbenzene	0.080	U	0.080	1.0
1,1,1-Trichloroethane	0.060	U	0.060	1.0
Benzene	0.080	U	0.080	1.0
cis-1,3-Dichloropropene	0.18	U	0.18	1.0
Bromochloromethane	0.27	U	0.27	1.0
Bromoform	0.19	U	0.19	1.0
1,1-Dichloroethane	0.13	U	0.13	1.0
1,2-Dichloroethane	0.19	U	0.19	1.0
1,1,2-Trichloroethane	0.19	U	0.19	1.0
Acetone	2.7	U	2.7	5.0
Methyl acetate	0.34	U	0.34	2.0
Dichlorodifluoromethane	0.22	U	0.22	1.0
Methylene Chloride	0.18	U	0.18	1.0
Chloromethane	0.10	U	0.10	1.0
Bromomethane	0.18	U	0.18	1.0
Toluene	0.15	U	0.15	1.0
o-Xylene	0.13	U	0.13	1.0
Chlorobenzene	0.11	U	0.11	1.0
1,2-Dibromo-3-Chloropropane	0.40	U	0.40	1.0
1,3-Dichlorobenzene	0.14	U	0.14	1.0
MTBE	0.14	U	0.14	1.0
trans-1,2-Dichloroethene	0.13	U	0.13	1.0
1,4-Dioxane	36	U	36	50
1,1-Dichloroethene	0.090	U	0.090	1.0
1,2-Dichlorobenzene	0.21	U	0.21	1.0
Trichloroethene	0.090	U	0.090	1.0
2-Hexanone	0.50	U	0.50	5.0
Ethylbenzene	0.10	U	0.10	1.0
Methylcyclohexane	0.14	U	0.14	1.0
Trichlorofluoromethane	0.15	U	0.15	1.0
Cyclohexane	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.24	U	0.24	1.0
cis-1,2-Dichloroethene	0.18	U	0.18	1.0

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Method Blank - Batch: 460-112972

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 460-112972/4	Analysis Batch:	460-112972	Instrument ID:	VOAMS4
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	d20726.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	05/17/2012 1036	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	05/17/2012 1036				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Chloroform	0.080	U	0.080	1.0
m&p-Xylene	0.25	U	0.25	2.0
Vinyl chloride	0.14	U	0.14	1.0
1,2-Dibromoethane	0.28	U	0.28	1.0
Carbon tetrachloride	0.060	U	0.060	1.0
1,4-Dichlorobenzene	0.23	U	0.23	1.0
Bromodichloromethane	0.12	U	0.12	1.0
n-Butylbenzene	0.14	U	0.14	1.0
1,2,4-Trimethylbenzene	0.13	U	0.13	1.0
sec-Butylbenzene	0.18	U	0.18	1.0
N-Propylbenzene	0.10	U	0.10	1.0
1,3,5-Trimethylbenzene	0.15	U	0.15	1.0
tert-Butylbenzene	0.12	U	0.12	1.0
4-Isopropyltoluene	0.14	U	0.14	1.0

Surrogate	% Rec	Acceptance Limits
Bromofluorobenzene	93	70 - 130
1,2-Dichloroethane-d4 (Surr)	92	70 - 130
Toluene-d8 (Surr)	95	70 - 130

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Lab Control Sample - Batch: 460-112972

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 460-112972/3	Analysis Batch:	460-112972	Instrument ID:	VOAMS4
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	d20723.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	05/17/2012 0918	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	05/17/2012 0918				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Carbon disulfide	20.0	14.3	71	58 - 139	
Tetrachloroethene	20.0	20.3	101	68 - 139	
1,2-Dichloropropane	20.0	22.2	111	80 - 120	
4-Methyl-2-pentanone	20.0	19.3	96	53 - 120	
1,1,2-Trichloro-1,2,2-trichfluoroethane	20.0	13.4	67	47 - 139	
Dibromochloromethane	20.0	18.4	92	80 - 120	
1,2,4-Trichlorobenzene	20.0	22.0	110	66 - 120	
Styrene	20.0	20.4	102	69 - 112	
1,2,3-Trichlorobenzene	20.0	23.0	115	76 - 123	
1,1,2,2-Tetrachloroethane	20.0	21.7	108	74 - 126	
Chloroethane	20.0	22.7	114	69 - 145	
2-Butanone	20.0	20.6	103	65 - 114	
Isopropylbenzene	20.0	21.7	109	80 - 125	
1,1,1-Trichloroethane	20.0	21.4	107	74 - 128	
Benzene	20.0	21.4	107	83 - 124	
cis-1,3-Dichloropropene	20.0	17.9	90	80 - 120	
Bromochloromethane	20.0	23.3	116	80 - 121	
Bromoform	20.0	15.7	79	73 - 123	
1,1-Dichloroethane	20.0	22.5	112	78 - 122	
1,2-Dichloroethane	20.0	20.9	105	74 - 118	
1,1,2-Trichloroethane	20.0	20.4	102	79 - 119	
Acetone	20.0	23.6	118	45 - 156	
Methyl acetate	20.0	16.3	81	50 - 151	
Dichlorodifluoromethane	20.0	19.7	99	46 - 145	
Methylene Chloride	20.0	23.8	119	79 - 119	
Chloromethane	20.0	23.4	117	58 - 146	
Bromomethane	20.0	22.4	112	55 - 153	
Toluene	20.0	20.1	101	80 - 120	
o-Xylene	20.0	20.9	105	78 - 118	
Chlorobenzene	20.0	21.4	107	81 - 121	
1,2-Dibromo-3-Chloropropane	20.0	18.0	90	70 - 116	
1,3-Dichlorobenzene	20.0	21.3	107	81 - 126	
MTBE	20.0	20.4	102	71 - 115	
trans-1,2-Dichloroethene	20.0	22.4	112	75 - 122	
1,4-Dioxane	150	163	109	52 - 126	
1,1-Dichloroethene	20.0	18.4	92	56 - 139	
1,2-Dichlorobenzene	20.0	21.8	109	82 - 122	
Trichloroethene	20.0	20.3	101	78 - 119	
2-Hexanone	20.0	21.2	106	53 - 121	
Ethylbenzene	20.0	20.9	104	79 - 126	
Methylcyclohexane	20.0	12.7	63	61 - 129	
Trichlorofluoromethane	20.0	21.8	109	69 - 147	
Cyclohexane	20.0	14.2	71	58 - 133	
trans-1,3-Dichloropropene	20.0	17.0	85	78 - 118	
cis-1,2-Dichloroethene	20.0	23.0	115	80 - 120	
Chloroform	20.0	22.4	112	82 - 123	

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Lab Control Sample - Batch: 460-112972

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 460-112972/3	Analysis Batch:	460-112972	Instrument ID:	VOAMS4
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	d20723.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	05/17/2012 0918	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	05/17/2012 0918				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
m&p-Xylene	40.0	41.8	105	76 - 120	
Vinyl chloride	20.0	19.6	98	61 - 144	
1,2-Dibromoethane	20.0	20.2	101	78 - 118	
Carbon tetrachloride	20.0	20.7	103	73 - 120	
1,4-Dichlorobenzene	20.0	20.8	104	83 - 123	
Bromodichloromethane	20.0	19.5	98	79 - 119	
n-Butylbenzene	20.0	18.5	92	77 - 129	
1,2,4-Trimethylbenzene	20.0	21.8	109	68 - 120	
sec-Butylbenzene	20.0	22.1	111	64 - 124	
N-Propylbenzene	20.0	22.1	110	67 - 130	
1,3,5-Trimethylbenzene	20.0	21.4	107	69 - 118	
tert-Butylbenzene	20.0	20.7	103	65 - 116	
4-Isopropyltoluene	20.0	21.3	106	47 - 138	

Surrogate	% Rec	Acceptance Limits
Bromofluorobenzene	104	70 - 130
1,2-Dichloroethane-d4 (Surr)	99	70 - 130
Toluene-d8 (Surr)	102	70 - 130

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Method Blank - Batch: 460-113081

Method: 8260B
Preparation: N/A

Lab Sample ID:	MB 460-113081/5	Analysis Batch:	460-113081	Instrument ID:	VOAMS12
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	o60380.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	05/18/2012 0659	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Carbon disulfide	0.15	U	0.15	1.0
Tetrachloroethene	0.12	U	0.12	1.0
1,2-Dichloropropane	0.15	U	0.15	1.0
4-Methyl-2-pentanone	0.20	U	0.20	10
1,1,2-Trichloro-1,2,2-trichfluoroethane	0.11	U	0.11	1.0
Dibromochloromethane	0.10	U	0.10	1.0
1,2,4-Trichlorobenzene	0.19	U	0.19	1.0
Styrene	0.28	U	0.28	1.0
1,2,3-Trichlorobenzene	0.16	U	0.16	1.0
1,1,2,2-Tetrachloroethane	0.090	U	0.090	1.0
Chloroethane	0.33	U	0.33	1.0
2-Butanone	0.63	U	0.63	10
Isopropylbenzene	0.11	U	0.11	1.0
1,1,1-Trichloroethane	0.13	U	0.13	1.0
Benzene	0.15	U	0.15	1.0
cis-1,3-Dichloropropene	0.14	U	0.14	1.0
Bromochloromethane	0.11	U	0.11	1.0
Bromoform	0.17	U	0.17	1.0
1,1-Dichloroethane	0.11	U	0.11	1.0
1,2-Dichloroethane	0.18	U	0.18	1.0
1,1,2-Trichloroethane	0.14	U	0.14	1.0
Acetone	3.81	J	1.7	10
Methyl acetate	0.32	U	0.32	1.0
Dichlorodifluoromethane	0.22	U	0.22	1.0
Methylene Chloride	0.189	J	0.15	1.0
Chloromethane	0.16	U	0.16	1.0
Bromomethane	0.43	U	0.43	1.0
Toluene	0.14	U	0.14	1.0
o-Xylene	0.19	U	0.19	1.0
Chlorobenzene	0.18	U	0.18	1.0
1,2-Dibromo-3-Chloropropane	0.44	U	0.44	1.0
1,3-Dichlorobenzene	0.16	U	0.16	1.0
MTBE	0.11	U	0.11	1.0
trans-1,2-Dichloroethene	0.13	U	0.13	1.0
1,4-Dioxane	13	U	13	50
1,1-Dichloroethene	0.19	U	0.19	1.0
1,2-Dichlorobenzene	0.10	U	0.10	1.0
Trichloroethene	0.12	U	0.12	1.0
2-Hexanone	0.13	U	0.13	10
Ethylbenzene	0.17	U	0.17	1.0
Methylcyclohexane	0.10	U	0.10	1.0
Trichlorofluoromethane	0.16	U	0.16	1.0
Cyclohexane	0.13	U	0.13	1.0
trans-1,3-Dichloropropene	0.10	U	0.10	1.0
cis-1,2-Dichloroethene	0.11	U	0.11	1.0

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Method Blank - Batch: 460-113081

Method: 8260B
Preparation: N/A

Lab Sample ID:	MB 460-113081/5	Analysis Batch:	460-113081	Instrument ID:	VOAMS12
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	o60380.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	05/18/2012 0659	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Chloroform	0.24	U	0.24	1.0
m&p-Xylene	0.59	U	0.59	2.0
Vinyl chloride	0.34	U	0.34	1.0
1,2-Dibromoethane	0.15	U	0.15	1.0
Carbon tetrachloride	0.15	U	0.15	1.0
1,4-Dichlorobenzene	0.11	U	0.11	1.0
Bromodichloromethane	0.32	U	0.32	1.0
n-Butylbenzene	0.080	U	0.080	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
sec-Butylbenzene	0.13	U	0.13	1.0
N-Propylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.12	U	0.12	1.0
tert-Butylbenzene	0.12	U	0.12	1.0
p-Isopropyltoluene	0.14	U	0.14	1.0

Surrogate	% Rec	Acceptance Limits
Bromofluorobenzene	94	70 - 130
1,2-Dichloroethane-d4 (Surr)	120	70 - 130
Toluene-d8 (Surr)	107	70 - 130

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 460-113081

Method: 8260B
Preparation: N/A

LCS Lab Sample ID:	LCS 460-113081/3	Analysis Batch:	460-113081	Instrument ID:	VOAMS12
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	o60376.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	05/18/2012 0428	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 460-113081/4	Analysis Batch:	460-113081	Instrument ID:	VOAMS12
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	o60378.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	05/18/2012 0610	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.					
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Carbon disulfide	104	103	72 - 128	0	30		
Tetrachloroethene	107	91	80 - 120	15	30		
1,2-Dichloropropane	94	93	82 - 122	1	30		
4-Methyl-2-pentanone	72	80	68 - 120	10	30		
1,1,2-Trichloro-1,2,2-trichfluoroethane	113	116	73 - 123	2	30		
Dibromochloromethane	99	90	68 - 120	9	30		
1,2,4-Trichlorobenzene	87	90	80 - 120	3	30		
Styrene	99	90	82 - 122	10	30		
1,2,3-Trichlorobenzene	89	84	75 - 121	6	30		
1,1,2,2-Tetrachloroethane	106	81	79 - 122	27	30		
Chloroethane	121	127	56 - 146	4	30		
2-Butanone	95	91	77 - 117	4	30		
Isopropylbenzene	101	94	65 - 129	7	30		
1,1,1-Trichloroethane	103	104	78 - 117	2	30		
Benzene	95	104	77 - 117	9	30		
cis-1,3-Dichloropropene	94	96	80 - 123	2	30		
Bromochloromethane	97	111	74 - 125	14	30		
Bromoform	89	87	59 - 125	2	30		
1,1-Dichloroethane	100	98	76 - 125	2	30		
1,2-Dichloroethane	91	102	76 - 118	12	30		
1,1,2-Trichloroethane	103	95	73 - 118	8	30		
Acetone	116	116	27 - 164	0	30		
Methyl acetate	101	102	73 - 137	1	30		
Dichlorodifluoromethane	115	123	52 - 144	6	30		
Methylene Chloride	102	98	74 - 137	4	30		
Chloromethane	125	126	50 - 151	1	30		
Bromomethane	102	101	54 - 142	2	30		
Toluene	103	103	75 - 115	0	30		
o-Xylene	100	92	82 - 122	9	30		
Chlorobenzene	95	96	80 - 120	1	30		
1,2-Dibromo-3-Chloropropane	76	82	74 - 118	8	30		
1,3-Dichlorobenzene	95	97	80 - 120	2	30		
MTBE	99	104	78 - 120	5	30		
trans-1,2-Dichloroethene	104	100	75 - 122	3	30		
1,4-Dioxane	92	115	69 - 131	22	30		
1,1-Dichloroethene	106	109	71 - 126	3	30		

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 460-113081

Method: 8260B
Preparation: N/A

LCS Lab Sample ID:	LCS 460-113081/3	Analysis Batch:	460-113081	Instrument ID:	VOAMS12
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	o60376.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	05/18/2012 0428	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 460-113081/4	Analysis Batch:	460-113081	Instrument ID:	VOAMS12
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	o60378.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	05/18/2012 0610	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.					
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,2-Dichlorobenzene	90	91	80 - 120	1	30		
Trichloroethene	104	94	79 - 119	10	30		
2-Hexanone	76	74	70 - 122	3	30		
Ethylbenzene	95	90	81 - 121	5	30		
Methylcyclohexane	103	114	78 - 118	10	30		
Trichlorofluoromethane	111	112	61 - 139	1	30		
Cyclohexane	105	118	80 - 121	11	30		
trans-1,3-Dichloropropene	96	75	67 - 121	24	30		
cis-1,2-Dichloroethene	111	102	80 - 120	9	30		
Chloroform	107	107	77 - 120	0	30		
m&p-Xylene	112	93	81 - 121	18	30		
Vinyl chloride	117	118	67 - 133	1	30		
1,2-Dibromoethane	94	99	75 - 117	5	30		
Carbon tetrachloride	100	107	79 - 118	8	30		
1,4-Dichlorobenzene	93	94	80 - 120	1	30		
Bromodichloromethane	92	94	79 - 119	2	30		
n-Butylbenzene	97	93	82 - 122	4	30		
1,2,4-Trimethylbenzene	99	87	81 - 121	13	30		
sec-Butylbenzene	100	103	82 - 122	3	30		
N-Propylbenzene	110	93	81 - 121	18	30		
1,3,5-Trimethylbenzene	110	91	82 - 122	19	30		
tert-Butylbenzene	105	90	82 - 122	15	30		
p-Isopropyltoluene	95	98	82 - 122	3	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Bromofluorobenzene	97	92	70 - 130
1,2-Dichloroethane-d4 (Surr)	121	114	70 - 130
Toluene-d8 (Surr)	112	104	70 - 130

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 460-113081

Method: 8260B
Preparation: N/A

LCS Lab Sample ID:	LCS 460-113081/3	Units: ug/Kg		LCSD Lab Sample ID:	LCSD 460-113081/4
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	05/18/2012 0428			Analysis Date:	05/18/2012 0610
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Carbon disulfide	20.0	20.0	20.7	20.7
Tetrachloroethene	20.0	20.0	21.3	18.3
1,2-Dichloropropane	20.0	20.0	18.7	18.6
4-Methyl-2-pentanone	20.0	20.0	14.5	15.9
1,1,2-Trichloro-1,2,2-trichfluoroethane	20.0	20.0	22.6	23.2
Dibromochloromethane	20.0	20.0	19.7	17.9
1,2,4-Trichlorobenzene	20.0	20.0	17.4	18.0
Styrene	20.0	20.0	19.9	18.0
1,2,3-Trichlorobenzene	20.0	20.0	17.7	16.7
1,1,2,2-Tetrachloroethane	20.0	20.0	21.1	16.2
Chloroethane	20.0	20.0	24.3	25.4
2-Butanone	20.0	20.0	19.0	18.3
Isopropylbenzene	20.0	20.0	20.1	18.8
1,1,1-Trichloroethane	20.0	20.0	20.5	20.9
Benzene	20.0	20.0	18.9	20.8
cis-1,3-Dichloropropene	20.0	20.0	18.8	19.2
Bromochloromethane	20.0	20.0	19.3	22.2
Bromoform	20.0	20.0	17.7	17.3
1,1-Dichloroethane	20.0	20.0	20.0	19.7
1,2-Dichloroethane	20.0	20.0	18.1	20.5
1,1,2-Trichloroethane	20.0	20.0	20.6	19.0
Acetone	20.0	20.0	23.1	23.2
Methyl acetate	20.0	20.0	20.2	20.4
Dichlorodifluoromethane	20.0	20.0	23.0	24.5
Methylene Chloride	20.0	20.0	20.4	19.5
Chloromethane	20.0	20.0	24.9	25.1
Bromomethane	20.0	20.0	20.5	20.2
Toluene	20.0	20.0	20.6	20.6
o-Xylene	20.0	20.0	20.1	18.4
Chlorobenzene	20.0	20.0	18.9	19.2
1,2-Dibromo-3-Chloropropane	20.0	20.0	15.2	16.5
1,3-Dichlorobenzene	20.0	20.0	19.0	19.3
MTBE	20.0	20.0	19.7	20.7
trans-1,2-Dichloroethene	20.0	20.0	20.7	20.1
1,4-Dioxane	150	150	138	173
1,1-Dichloroethene	20.0	20.0	21.2	21.8
1,2-Dichlorobenzene	20.0	20.0	18.1	18.2
Trichloroethene	20.0	20.0	20.8	18.9
2-Hexanone	20.0	20.0	15.2	14.7

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 460-113081

Method: 8260B
Preparation: N/A

LCS Lab Sample ID:	LCS 460-113081/3	Units: ug/Kg		LCSD Lab Sample ID:	LCSD 460-113081/4
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	05/18/2012 0428			Analysis Date:	05/18/2012 0610
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Ethylbenzene	20.0	20.0	19.1	18.1
Methylcyclohexane	20.0	20.0	20.6	22.8
Trichlorofluoromethane	20.0	20.0	22.3	22.4
Cyclohexane	20.0	20.0	21.1	23.5
trans-1,3-Dichloropropene	20.0	20.0	19.2	15.0
cis-1,2-Dichloroethene	20.0	20.0	22.3	20.5
Chloroform	20.0	20.0	21.3	21.4
m&p-Xylene	40.0	40.0	44.9	37.4
Vinyl chloride	20.0	20.0	23.4	23.5
1,2-Dibromoethane	20.0	20.0	18.8	19.7
Carbon tetrachloride	20.0	20.0	19.9	21.5
1,4-Dichlorobenzene	20.0	20.0	18.5	18.7
Bromodichloromethane	20.0	20.0	18.3	18.8
n-Butylbenzene	20.0	20.0	19.4	18.7
1,2,4-Trimethylbenzene	20.0	20.0	19.9	17.4
sec-Butylbenzene	20.0	20.0	19.9	20.6
N-Propylbenzene	20.0	20.0	22.1	18.5
1,3,5-Trimethylbenzene	20.0	20.0	21.9	18.1
tert-Butylbenzene	20.0	20.0	20.9	18.0
p-Isopropyltoluene	20.0	20.0	19.0	19.7

Method Blank - Batch: 460-113082

Method: 8260B
Preparation: N/A

Lab Sample ID:	MB 460-113082/4	Analysis Batch:	460-113082	Instrument ID:	VOAMS2
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	b42254.d
Dilution:	50	Leach Batch:	N/A	Initial Weight/Volume:	2.5 mL
Analysis Date:	05/18/2012 0608	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Carbon disulfide	13	U	13	100
Tetrachloroethene	9.7	U	9.7	100
1,2-Dichloropropane	8.6	U	8.6	100
4-Methyl-2-pentanone	99	U	99	500
1,1,2-Trichloro-1,2,2-trichfluoroethane	8.2	U	8.2	100
Dibromochloromethane	20	U	20	100
1,2,4-Trichlorobenzene	34	U	34	100
Styrene	12	U	12	100
1,2,3-Trichlorobenzene	51	U	51	100
1,1,2,2-Tetrachloroethane	16	U	16	100
Chloroethane	17	U	17	100
2-Butanone	230	U	230	500
Isopropylbenzene	7.7	U	7.7	100
1,1,1-Trichloroethane	6.2	U	6.2	100
Benzene	8.3	U	8.3	100
cis-1,3-Dichloropropene	18	U	18	100
Bromochloromethane	27	U	27	100
Bromoform	19	U	19	100
1,1-Dichloroethane	13	U	13	100
1,2-Dichloroethane	19	U	19	100
1,1,2-Trichloroethane	19	U	19	100
Acetone	270	U	270	500
Methyl acetate	34	U	34	200
Dichlorodifluoromethane	22	U	22	100
Methylene Chloride	18	U	18	100
Chloromethane	9.7	U	9.7	100
Bromomethane	18	U	18	100
Toluene	15	U	15	100
o-Xylene	13	U	13	100
Chlorobenzene	11	U	11	100
1,2-Dibromo-3-Chloropropane	40	U	40	100
1,3-Dichlorobenzene	14	U	14	100
MTBE	14	U	14	100
trans-1,2-Dichloroethene	13	U	13	100
1,4-Dioxane	3600	U	3600	5000
1,1-Dichloroethene	8.8	U	8.8	100
1,2-Dichlorobenzene	21	U	21	100
Trichloroethene	9.2	U	9.2	100
2-Hexanone	50	U	50	500
Ethylbenzene	9.6	U	9.6	100
Methylcyclohexane	14	U	14	100
Trichlorofluoromethane	15	U	15	100
Cyclohexane	16	U	16	100
trans-1,3-Dichloropropene	24	U	24	100
cis-1,2-Dichloroethene	18	U	18	100

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Method Blank - Batch: 460-113082

Method: 8260B
Preparation: N/A

Lab Sample ID:	MB 460-113082/4	Analysis Batch:	460-113082	Instrument ID:	VOAMS2
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	b42254.d
Dilution:	50	Leach Batch:	N/A	Initial Weight/Volume:	2.5 mL
Analysis Date:	05/18/2012 0608	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Chloroform	7.9	U	7.9	100
m&p-Xylene	25	U	25	200
Vinyl chloride	14	U	14	100
1,2-Dibromoethane	28	U	28	100
Carbon tetrachloride	5.7	U	5.7	100
1,4-Dichlorobenzene	23	U	23	100
Bromodichloromethane	13	U	13	100
n-Butylbenzene	14	U	14	100
1,2,4-Trimethylbenzene	13	U	13	100
sec-Butylbenzene	18	U	18	100
N-Propylbenzene	9.5	U	9.5	100
1,3,5-Trimethylbenzene	15	U	15	100
tert-Butylbenzene	12	U	12	100
p-Isopropyltoluene	14	U	14	100

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	114	75 - 135
Toluene-d8 (Surr)	105	59 - 150

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Lab Control Sample - Batch: 460-113082

Method: 8260B
Preparation: N/A

Lab Sample ID:	LCS 460-113082/3	Analysis Batch:	460-113082	Instrument ID:	VOAMS2
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	b42250.d
Dilution:	50	Leach Batch:	N/A	Initial Weight/Volume:	2.5 mL
Analysis Date:	05/18/2012 0439	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Carbon disulfide	2000	2260	113	70 - 120	
Tetrachloroethene	2000	2220	111	78 - 136	
1,2-Dichloropropane	2000	2140	107	78 - 118	
4-Methyl-2-pentanone	2000	1930	97	69 - 124	
1,1,2-Trichloro-1,2,2-trichfluoroethane	2000	2170	108	50 - 128	
Dibromochloromethane	2000	2230	112	78 - 118	
1,2,4-Trichlorobenzene	2000	1930	97	62 - 144	
Styrene	2000	2140	107	73 - 126	
1,2,3-Trichlorobenzene	2000	1810	91	36 - 207	
1,1,2,2-Tetrachloroethane	2000	1970	99	86 - 145	
Chloroethane	2000	2300	115	66 - 144	
2-Butanone	2000	2030	101	70 - 139	
Isopropylbenzene	2000	2210	110	80 - 143	
1,1,1-Trichloroethane	2000	2240	112	78 - 118	
Benzene	2000	2120	106	71 - 118	
cis-1,3-Dichloropropene	2000	2100	105	75 - 120	
Bromochloromethane	2000	2100	105	81 - 121	
Bromoform	2000	1950	98	76 - 133	
1,1-Dichloroethane	2000	2190	109	79 - 119	
1,2-Dichloroethane	2000	2140	107	81 - 121	
1,1,2-Trichloroethane	2000	2090	104	77 - 120	
Acetone	2000	2310	115	48 - 177	
Methyl acetate	2000	2230	111	72 - 165	
Dichlorodifluoromethane	2000	2220	111	41 - 149	
Methylene Chloride	2000	2080	104	78 - 118	
Chloromethane	2000	1990	99	52 - 144	
Bromomethane	2000	2170	109	58 - 154	
Toluene	2000	2040	102	79 - 136	
o-Xylene	2000	2070	104	77 - 122	
Chlorobenzene	2000	2090	104	69 - 124	
1,2-Dibromo-3-Chloropropane	2000	1880	94	62 - 127	
1,3-Dichlorobenzene	2000	2070	103	83 - 123	
MTBE	2000	1920	96	65 - 143	
trans-1,2-Dichloroethene	2000	2140	107	73 - 119	
1,4-Dioxane	15000	15500	103	54 - 147	
1,1-Dichloroethene	2000	2070	104	68 - 138	
1,2-Dichlorobenzene	2000	2050	103	83 - 123	
Trichloroethene	2000	2120	106	82 - 122	
2-Hexanone	2000	1660	83	62 - 123	
Ethylbenzene	2000	2060	103	78 - 124	
Methylcyclohexane	2000	1940	97	80 - 134	
Trichlorofluoromethane	2000	2180	109	60 - 148	
Cyclohexane	2000	1930	97	69 - 128	
trans-1,3-Dichloropropene	2000	2010	101	73 - 118	
cis-1,2-Dichloroethene	2000	2060	103	78 - 118	
Chloroform	2000	2110	105	81 - 122	

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Lab Control Sample - Batch: 460-113082

Method: 8260B
Preparation: N/A

Lab Sample ID:	LCS 460-113082/3	Analysis Batch:	460-113082	Instrument ID:	VOAMS2
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	b42250.d
Dilution:	50	Leach Batch:	N/A	Initial Weight/Volume:	2.5 mL
Analysis Date:	05/18/2012 0439	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
m&p-Xylene	4000	4280	107	78 - 127	
Vinyl chloride	2000	2020	101	55 - 154	
1,2-Dibromoethane	2000	2060	103	76 - 120	
Carbon tetrachloride	2000	1930	97	64 - 130	
1,4-Dichlorobenzene	2000	2030	102	84 - 124	
Bromodichloromethane	2000	2160	108	78 - 118	
n-Butylbenzene	2000	1830	92	84 - 136	
1,2,4-Trimethylbenzene	2000	2080	104	82 - 122	
sec-Butylbenzene	2000	1940	97	66 - 141	
N-Propylbenzene	2000	2060	103	72 - 132	
1,3,5-Trimethylbenzene	2000	2080	104	80 - 125	
tert-Butylbenzene	2000	1830	92	77 - 130	
p-Isopropyltoluene	2000	1870	94	39 - 162	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	109	75 - 135
Toluene-d8 (Surr)	109	59 - 150

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Method Blank - Batch: 460-112983

Method: 8270C
Preparation: 3541

Lab Sample ID:	MB 460-112983/1-A	Analysis Batch:	460-113076	Instrument ID:	BNAMS10
Client Matrix:	Solid	Prep Batch:	460-112983	Lab File ID:	p30180.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	05/18/2012 0500	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	05/17/2012 1125			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,2,4,5-Tetrachlorobenzene	45	U	45	330
2,2'-oxybis[1-chloropropane]	37	U	37	330
2,3,4,6-Tetrachlorophenol	43	U	43	330
N-Nitrosodiphenylamine	33	U	33	330
Hexachlorocyclopentadiene	39	U	39	330
2,6-Dinitrotoluene	10	U	10	67
2,4-Dimethylphenol	82	U	82	330
Aniline	95	U	95	330
Bis(2-ethylhexyl) phthalate	110	U	110	330
2,4-Dinitrotoluene	11	U	11	67
Benzoic acid	330	U	330	330
2-Chloronaphthalene	37	U	37	330
Butyl benzyl phthalate	30	U	30	330
2-Chlorophenol	44	U	44	330
Di-n-butyl phthalate	41	U	41	330
2,4-Dichlorophenol	48	U	48	330
Diethyl phthalate	39	U	39	330
2,4-Dinitrophenol	190	U	190	1000
2-Methylphenol	56	U	56	330
Dimethyl phthalate	39	U	39	330
Di-n-octyl phthalate	21	U	21	330
3,3'-Dichlorobenzidine	120	U	120	670
Hexachlorobenzene	4.5	U	4.5	33
Isophorone	40	U	40	330
2-Methylnaphthalene	43	U	43	330
4,6-Dinitro-2-methylphenol	90	U	90	1000
2-Nitroaniline	140	U	140	670
4-Bromophenyl phenyl ether	33	U	33	330
4-Chloro-3-methylphenol	50	U	50	330
3-Nitroaniline	120	U	120	670
Nitrobenzene	4.7	U	4.7	33
4-Chlorophenyl phenyl ether	39	U	39	330
2-Nitrophenol	37	U	37	330
4-Methylphenol	65	U	65	330
4-Nitrophenol	210	U	210	1000
2,4,5-Trichlorophenol	43	U	43	330
4-Nitroaniline	100	U	100	670
2,4,6-Trichlorophenol	39	U	39	330
4-Chloroaniline	88	U	88	330
Acenaphthene	48	U	48	330
Acetophenone	51	U	51	330
Acenaphthylene	39	U	39	330
Anthracene	40	U	40	330
Benzo[a]anthracene	2.3	U	2.3	33
Atrazine	51	U	51	330

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Method Blank - Batch: 460-112983

Method: 8270C
Preparation: 3541

Lab Sample ID:	MB 460-112983/1-A	Analysis Batch:	460-113076	Instrument ID:	BNAMS10
Client Matrix:	Solid	Prep Batch:	460-112983	Lab File ID:	p30180.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	05/18/2012 0500	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	05/17/2012 1125			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Benzo[a]pyrene	2.3	U	2.3	33
Benzo[b]fluoranthene	2.1	U	2.1	33
Benzaldehyde	39	U	39	330
Benzo[g,h,i]perylene	25	U	25	330
Benzo[k]fluoranthene	2.5	U	2.5	33
Chrysene	39	U	39	330
Dibenz(a,h)anthracene	4.2	U	4.2	33
Fluoranthene	44	U	44	330
Fluorene	42	U	42	330
Indeno[1,2,3-cd]pyrene	6.2	U	6.2	33
Bis(2-chloroethoxy)methane	43	U	43	330
Bis(2-chloroethyl)ether	4.5	U	4.5	33
Phenanthrene	42	U	42	330
Pyrene	28	U	28	330
Caprolactam	76	U	76	330
Carbazole	39	U	39	330
Dibenzofuran	39	U	39	330
Diphenyl	44	U	44	330
Hexachlorobutadiene	8.1	U	8.1	67
Hexachloroethane	3.7	U	3.7	33
Naphthalene	38	U	38	330
N-Nitrosodi-n-propylamine	5.5	U	5.5	33
Pentachlorophenol	99	U	99	1000
Phenol	44	U	44	330
3 & 4 Methylphenol	56	U	56	330

Surrogate	% Rec	Acceptance Limits
Nitrobenzene-d5	79	38 - 105
Phenol-d5	72	41 - 118
Terphenyl-d14	88	16 - 151
2-Fluorophenol	72	37 - 125
2,4,6-Tribromophenol	65	10 - 120
2-Fluorobiphenyl	81	40 - 109

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Lab Control Sample - Batch: 460-112983

Method: 8270C
Preparation: 3541

Lab Sample ID:	LCS 460-112983/2-A	Analysis Batch:	460-113076	Instrument ID:	BNAMS10
Client Matrix:	Solid	Prep Batch:	460-112983	Lab File ID:	p30179.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.02 g
Analysis Date:	05/18/2012 0433	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	05/17/2012 1125			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2,2'-oxybis[1-chloropropane]	3330	2760	83	45 - 102	
N-Nitrosodiphenylamine	3330	2980	89	49 - 106	
Hexachlorocyclopentadiene	3330	2560	77	24 - 98	
2,6-Dinitrotoluene	3330	3060	92	51 - 115	
2,4-Dimethylphenol	6660	5130	77	56 - 112	
Aniline	3330	1710	51	35 - 90	
Bis(2-ethylhexyl) phthalate	3330	2980	90	49 - 119	
2,4-Dinitrotoluene	3330	3280	99	53 - 110	
Benzoic acid	6660	3470	52	10 - 137	
2-Chloronaphthalene	3330	2780	84	51 - 102	
Butyl benzyl phthalate	3330	2960	89	49 - 117	
2-Chlorophenol	6660	4880	73	56 - 110	
Di-n-butyl phthalate	3330	3160	95	50 - 108	
2,4-Dichlorophenol	6660	5010	75	58 - 115	
Diethyl phthalate	3330	3160	95	52 - 114	
2,4-Dinitrophenol	6660	2120	32	10 - 129	
2-Methylphenol	6660	4880	73	54 - 117	
Dimethyl phthalate	3330	3030	91	52 - 112	
Di-n-octyl phthalate	3330	2550	77	40 - 106	
3,3'-Dichlorobenzidine	3330	2520	76	24 - 105	
Hexachlorobenzene	3330	2850	86	43 - 104	
Isophorone	3330	2590	78	48 - 97	
2-Methylnaphthalene	3330	2730	82	51 - 98	
4,6-Dinitro-2-methylphenol	6660	3480	52	10 - 110	
2-Nitroaniline	3330	3070	92	51 - 109	
4-Bromophenyl phenyl ether	3330	2790	84	44 - 102	
4-Chloro-3-methylphenol	6660	5470	82	55 - 117	
3-Nitroaniline	3330	2410	72	32 - 104	
Nitrobenzene	3330	2610	78	42 - 106	
4-Chlorophenyl phenyl ether	3330	3050	92	50 - 106	
2-Nitrophenol	6660	5300	80	55 - 101	
4-Methylphenol	6660	4570	69	47 - 103	
4-Nitrophenol	6660	6530	98	45 - 114	
2,4,5-Trichlorophenol	6660	5640	85	50 - 115	
4-Nitroaniline	3330	2850	86	45 - 106	
2,4,6-Trichlorophenol	6660	5350	80	53 - 118	
4-Chloroaniline	3330	1790	54	10 - 96	
Acenaphthene	3330	2990	90	46 - 100	
Acetophenone	3330	2430	73	40 - 95	
Acenaphthylene	3330	2870	86	51 - 103	
Anthracene	3330	2940	88	50 - 107	
Benzo[a]anthracene	3330	2890	87	46 - 112	
Atrazine	3330	2270	68	30 - 100	
Benzo[a]pyrene	3330	2740	82	36 - 89	
Benzo[b]fluoranthene	3330	2580	78	33 - 96	
Benzaldehyde	3330	772	23	10 - 160	

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Lab Control Sample - Batch: 460-112983

Method: 8270C
Preparation: 3541

Lab Sample ID:	LCS 460-112983/2-A	Analysis Batch:	460-113076	Instrument ID:	BNAMS10
Client Matrix:	Solid	Prep Batch:	460-112983	Lab File ID:	p30179.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.02 g
Analysis Date:	05/18/2012 0433	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	05/17/2012 1125			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzo[g,h,i]perylene	3330	2910	88	43 - 106	
Benzo[k]fluoranthene	3330	2640	79	35 - 115	
Chrysene	3330	2970	89	45 - 114	
Dibenz(a,h)anthracene	3330	3010	90	43 - 107	
Fluoranthene	3330	3170	95	49 - 108	
Fluorene	3330	3030	91	51 - 108	
Indeno[1,2,3-cd]pyrene	3330	2770	83	43 - 109	
Bis(2-chloroethoxy)methane	3330	2750	83	51 - 100	
Bis(2-chloroethyl)ether	3330	2430	73	44 - 101	
Phenanthrene	3330	2980	89	48 - 108	
Pyrene	3330	2910	88	49 - 116	
Caprolactam	3330	2220	67	10 - 127	
Carbazole	3330	3130	94	49 - 104	
Dibenzofuran	3330	2890	87	52 - 106	
Diphenyl	3330	2930	88	50 - 105	
Hexachlorobutadiene	3330	2720	82	45 - 98	
Hexachloroethane	3330	2690	81	45 - 90	
Naphthalene	3330	2920	88	53 - 94	
N-Nitrosodi-n-propylamine	3330	2800	84	42 - 107	
Pentachlorophenol	6660	5490	82	19 - 113	
Phenol	6660	4620	69	54 - 115	

Surrogate	% Rec	Acceptance Limits
Nitrobenzene-d5	77	38 - 105
Phenol-d5	70	41 - 118
Terphenyl-d14	82	16 - 151
2-Fluorophenol	68	37 - 125
2,4,6-Tribromophenol	86	10 - 120
2-Fluorobiphenyl	80	40 - 109

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Method Blank - Batch: 460-113111

Method: 8270C
Preparation: 3541

Lab Sample ID:	MB 460-113111/1-A	Analysis Batch:	460-113358	Instrument ID:	BNAMS4
Client Matrix:	Solid	Prep Batch:	460-113111	Lab File ID:	u76597.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	05/21/2012 1140	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	05/18/2012 0913			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,2,4,5-Tetrachlorobenzene	45	U	45	330
2,2'-oxybis[1-chloropropane]	37	U	37	330
2,3,4,6-Tetrachlorophenol	43	U	43	330
N-Nitrosodiphenylamine	33	U	33	330
Hexachlorocyclopentadiene	39	U	39	330
2,6-Dinitrotoluene	10	U	10	67
2,4-Dimethylphenol	82	U	82	330
Aniline	95	U	95	330
Bis(2-ethylhexyl) phthalate	110	U	110	330
2,4-Dinitrotoluene	11	U	11	67
Benzoic acid	330	U	330	330
2-Chloronaphthalene	37	U	37	330
Butyl benzyl phthalate	30	U	30	330
2-Chlorophenol	44	U	44	330
Di-n-butyl phthalate	41	U	41	330
2,4-Dichlorophenol	48	U	48	330
Diethyl phthalate	39	U	39	330
2,4-Dinitrophenol	190	U	190	1000
2-Methylphenol	56	U	56	330
Dimethyl phthalate	39	U	39	330
Di-n-octyl phthalate	21	U	21	330
3,3'-Dichlorobenzidine	120	U	120	670
Hexachlorobenzene	4.5	U	4.5	33
Isophorone	40	U	40	330
2-Methylnaphthalene	43	U	43	330
4,6-Dinitro-2-methylphenol	90	U	90	1000
2-Nitroaniline	140	U	140	670
4-Bromophenyl phenyl ether	33	U	33	330
4-Chloro-3-methylphenol	50	U	50	330
3-Nitroaniline	120	U	120	670
Nitrobenzene	4.7	U	4.7	33
4-Chlorophenyl phenyl ether	39	U	39	330
2-Nitrophenol	37	U	37	330
4-Methylphenol	65	U	65	330
4-Nitrophenol	210	U	210	1000
2,4,5-Trichlorophenol	43	U	43	330
4-Nitroaniline	100	U	100	670
2,4,6-Trichlorophenol	39	U	39	330
4-Chloroaniline	88	U	88	330
Acenaphthene	48	U	48	330
Acetophenone	51	U	51	330
Acenaphthylene	39	U	39	330
Anthracene	40	U	40	330
Benzo[a]anthracene	2.3	U	2.3	33
Atrazine	51	U	51	330

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Method Blank - Batch: 460-113111

Method: 8270C
Preparation: 3541

Lab Sample ID:	MB 460-113111/1-A	Analysis Batch:	460-113358	Instrument ID:	BNAMS4
Client Matrix:	Solid	Prep Batch:	460-113111	Lab File ID:	u76597.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	05/21/2012 1140	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	05/18/2012 0913			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Benzo[a]pyrene	2.3	U	2.3	33
Benzo[b]fluoranthene	2.1	U	2.1	33
Benzaldehyde	39	U	39	330
Benzo[g,h,i]perylene	25	U	25	330
Benzo[k]fluoranthene	2.5	U	2.5	33
Chrysene	39	U	39	330
Dibenz(a,h)anthracene	4.2	U	4.2	33
Fluoranthene	44	U	44	330
Fluorene	42	U	42	330
Indeno[1,2,3-cd]pyrene	6.2	U	6.2	33
Bis(2-chloroethoxy)methane	43	U	43	330
Bis(2-chloroethyl)ether	4.5	U	4.5	33
Phenanthrene	42	U	42	330
Pyrene	28	U	28	330
Caprolactam	76	U	76	330
Carbazole	39	U	39	330
Dibenzofuran	39	U	39	330
Diphenyl	44	U	44	330
Hexachlorobutadiene	8.1	U	8.1	67
Hexachloroethane	3.7	U	3.7	33
Naphthalene	38	U	38	330
N-Nitrosodi-n-propylamine	5.5	U	5.5	33
Pentachlorophenol	99	U	99	1000
Phenol	44	U	44	330
3 & 4 Methylphenol	56	U	56	330

Surrogate	% Rec	Acceptance Limits
Nitrobenzene-d5	77	38 - 105
Phenol-d5	91	41 - 118
Terphenyl-d14	79	16 - 151
2-Fluorophenol	90	37 - 125
2,4,6-Tribromophenol	89	10 - 120
2-Fluorobiphenyl	84	40 - 109

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Lab Control Sample - Batch: 460-113111

Method: 8270C
Preparation: 3541

Lab Sample ID:	LCS 460-113111/2-A	Analysis Batch:	460-113358	Instrument ID:	BNAMS4
Client Matrix:	Solid	Prep Batch:	460-113111	Lab File ID:	u76596.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	05/21/2012 1117	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	05/18/2012 0913			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2,2'-oxybis[1-chloropropane]	3330	3010	90	45 - 102	
N-Nitrosodiphenylamine	3330	2700	81	49 - 106	
Hexachlorocyclopentadiene	3330	2400	72	24 - 98	
2,6-Dinitrotoluene	3330	3370	101	51 - 115	
2,4-Dimethylphenol	6670	6740	101	56 - 112	
Aniline	3330	2380	71	35 - 90	
Bis(2-ethylhexyl) phthalate	3330	3140	94	49 - 119	
2,4-Dinitrotoluene	3330	3480	104	53 - 110	
Benzoic acid	6670	3040	46	10 - 137	
2-Chloronaphthalene	3330	2990	90	51 - 102	
Butyl benzyl phthalate	3330	3020	91	49 - 117	
2-Chlorophenol	6670	7000	105	56 - 110	
Di-n-butyl phthalate	3330	3080	92	50 - 108	
2,4-Dichlorophenol	6670	6690	100	58 - 115	
Diethyl phthalate	3330	3380	102	52 - 114	
2,4-Dinitrophenol	6670	1610	24	10 - 129	
2-Methylphenol	6670	7250	109	54 - 117	
Dimethyl phthalate	3330	3110	93	52 - 112	
Di-n-octyl phthalate	3330	2960	89	40 - 106	
3,3'-Dichlorobenzidine	3330	1800	54	24 - 105	
Hexachlorobenzene	3330	2880	86	43 - 104	
Isophorone	3330	2570	77	48 - 97	
2-Methylnaphthalene	3330	3020	91	51 - 98	
4,6-Dinitro-2-methylphenol	6670	2400	36	10 - 110	
2-Nitroaniline	3330	3390	102	51 - 109	
4-Bromophenyl phenyl ether	3330	3030	91	44 - 102	
4-Chloro-3-methylphenol	6670	6900	104	55 - 117	
3-Nitroaniline	3330	1950	58	32 - 104	
Nitrobenzene	3330	2750	82	42 - 106	
4-Chlorophenyl phenyl ether	3330	3260	98	50 - 106	
2-Nitrophenol	6670	6140	92	55 - 101	
4-Methylphenol	6670	5970	90	47 - 103	
4-Nitrophenol	6670	6530	98	45 - 114	
2,4,5-Trichlorophenol	6670	6620	99	50 - 115	
4-Nitroaniline	3330	2600	78	45 - 106	
2,4,6-Trichlorophenol	6670	6150	92	53 - 118	
4-Chloroaniline	3330	1500	45	10 - 96	
Acenaphthene	3330	2850	86	46 - 100	
Acetophenone	3330	2720	81	40 - 95	
Acenaphthylene	3330	3010	90	51 - 103	
Anthracene	3330	3040	91	50 - 107	
Benzo[a]anthracene	3330	2800	84	46 - 112	
Atrazine	3330	2210	66	30 - 100	
Benzo[a]pyrene	3330	2710	81	36 - 89	
Benzo[b]fluoranthene	3330	2650	80	33 - 96	
Benzaldehyde	3330	1010	30	10 - 160	

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Lab Control Sample - Batch: 460-113111

Method: 8270C
Preparation: 3541

Lab Sample ID:	LCS 460-113111/2-A	Analysis Batch:	460-113358	Instrument ID:	BNAMS4
Client Matrix:	Solid	Prep Batch:	460-113111	Lab File ID:	u76596.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	05/21/2012 1117	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	05/18/2012 0913			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzo[g,h,i]perylene	3330	2280	68	43 - 106	
Benzo[k]fluoranthene	3330	2550	76	35 - 115	
Chrysene	3330	2870	86	45 - 114	
Dibenz(a,h)anthracene	3330	2630	79	43 - 107	
Fluoranthene	3330	3380	101	49 - 108	
Fluorene	3330	3130	94	51 - 108	
Indeno[1,2,3-cd]pyrene	3330	2550	76	43 - 109	
Bis(2-chloroethoxy)methane	3330	2990	90	51 - 100	
Bis(2-chloroethyl)ether	3330	2950	88	44 - 101	
Phenanthrene	3330	3190	96	48 - 108	
Pyrene	3330	2720	82	49 - 116	
Caprolactam	3330	2050	62	10 - 127	
Carbazole	3330	3110	93	49 - 104	
Dibenzofuran	3330	3170	95	52 - 106	
Diphenyl	3330	2990	90	50 - 105	
Hexachlorobutadiene	3330	2540	76	45 - 98	
Hexachloroethane	3330	2720	82	45 - 90	
Naphthalene	3330	2820	85	53 - 94	
N-Nitrosodi-n-propylamine	3330	3320	100	42 - 107	
Pentachlorophenol	6670	5730	86	19 - 113	
Phenol	6670	6890	103	54 - 115	

Surrogate	% Rec	Acceptance Limits
Nitrobenzene-d5	73	38 - 105
Phenol-d5	82	41 - 118
Terphenyl-d14	67	16 - 151
2-Fluorophenol	82	37 - 125
2,4,6-Tribromophenol	85	10 - 120
2-Fluorobiphenyl	73	40 - 109

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Method Blank - Batch: 460-112924

Method: 6010B
Preparation: 3050B

Lab Sample ID:	MB 460-112924/1-A ^2	Analysis Batch:	460-113027	Instrument ID:	ICP4
Client Matrix:	Solid	Prep Batch:	460-112924	Lab File ID:	05172012.asc
Dilution:	2.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	05/17/2012 1328	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	05/17/2012 0701				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Arsenic	0.47	U	0.47	0.50
Barium	0.57	U	0.57	20.0
Beryllium	0.072	U	0.072	0.20
Cadmium	0.074	U	0.074	0.50
Chromium (total)	0.43	U	0.43	1.0
Cobalt	0.43	U	0.43	5.0
Copper	0.97	U	0.97	2.5
Iron	6.1	U	6.1	15.0
Lead	0.43	U	0.43	0.50
Manganese	0.44	U	0.44	1.5
Nickel	0.44	U	0.44	4.0
Selenium	0.66	U	0.66	1.0
Silver	0.10	U	0.10	1.0
Vanadium	0.38	U	0.38	5.0
Zinc	0.54	U	0.54	3.0

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

LCS-Certified Reference Material - Batch: 460-112924

Method: 6010B
Preparation: 3050B

Lab Sample ID:	LCSSRM	Analysis Batch:	460-113027	Instrument ID:	ICP4
Client Matrix:	Solid	Prep Batch:	460-112924	Lab File ID:	05172012.asc
Dilution:	4.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	05/17/2012 1318	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	05/17/2012 0701				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	10100	7084	70	45 - 154	
Antimony	113	186.4	165	20 - 253	
Arsenic	237	233.6	99	71 - 129	
Barium	252	256.0	102	74 - 126	
Beryllium	93.3	92.18	99	74 - 125	
Cadmium	191	200.0	105	73 - 126	
Calcium	6840	6774	99	74 - 125	
Chromium (total)	128	132.4	103	70 - 129	
Cobalt	178	191.0	107	74 - 125	
Copper	123	122.8	100	75 - 125	
Iron	13100	12730	97	33 - 167	
Lead	103	106.9	104	71 - 128	
Magnesium	2990	2698	90	66 - 134	
Manganese	333	350.6	105	75 - 124	
Nickel	118	127.1	108	73 - 127	
Potassium	2870	2416	84	62 - 137	
Selenium	110	107.0	97	66 - 134	
Silver	47.3	46.62	99	66 - 133	
Sodium	550	523.6	95	52 - 147	J
Thallium	158	175.6	111	68 - 131	
Vanadium	119	119.9	101	68 - 131	
Zinc	183	183.4	100	69 - 130	

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Matrix Spike - Batch: 460-112924

Method: 6010B
Preparation: 3050B

Lab Sample ID:	460-40258-9	Analysis Batch:	460-113027	Instrument ID:	ICP4
Client Matrix:	Solid	Prep Batch:	460-112924	Lab File ID:	05172012.asc
Dilution:	4.0	Leach Batch:	N/A	Initial Weight/Volume:	1.05 g
Analysis Date:	05/17/2012 1314	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	05/17/2012 0701				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	3580		211	4966	656	75 - 125	4
Antimony	1.3	U	52.8	37.07	70	75 - 125	F
Arsenic	1.8		211	198.6	93	75 - 125	
Barium	48.2		211	269.3	105	75 - 125	
Beryllium	0.21	J	5.28	5.17	94	75 - 125	
Cadmium	0.16	U	5.28	5.27	100	75 - 125	
Calcium	5560		2110	5496	-3	75 - 125	F
Chromium (total)	11.6		21.1	34.11	107	75 - 125	
Cobalt	5.1	J	52.8	57.47	99	75 - 125	
Copper	14.1		26.4	39.75	97	75 - 125	
Iron	15100		106	16790	1557	75 - 125	4
Lead	4.9		52.8	58.17	101	75 - 125	
Magnesium	3110		2110	4902	85	75 - 125	
Manganese	321		52.8	361.4	77	75 - 125	4
Nickel	11.9		52.8	66.07	103	75 - 125	
Potassium	839	J	2110	2873	96	75 - 125	
Selenium	1.4	U	211	193.0	91	75 - 125	
Silver	0.21	U	5.28	5.20	99	75 - 125	
Sodium	171	J	2110	2180	95	75 - 125	
Thallium	1.2	U	211	218.8	104	75 - 125	
Vanadium	20.4		52.8	74.05	102	75 - 125	
Zinc	26.2		52.8	78.04	98	75 - 125	

Post Digestion Spike - Batch: 460-112924

Method: 6010B
Preparation: 3050B

Lab Sample ID:	460-40258-9	Analysis Batch:	460-113027	Instrument ID:	ICP4
Client Matrix:	Solid	Prep Batch:	460-112924	Lab File ID:	05172012.asc
Dilution:	4.0	Leach Batch:	N/A	Initial Weight/Volume:	1.04 g
Analysis Date:	05/17/2012 1332	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	05/17/2012 0701				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	3580		426	3986	95	75 - 125	
Antimony	1.3	U	107	90.86	85	75 - 125	
Arsenic	1.8		426	394.1	92	75 - 125	
Barium	48.2		426	461.7	97	75 - 125	
Beryllium	0.21	J	10.7	10.06	92	75 - 125	

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Post Digestion Spike - Batch: 460-112924

Method: 6010B
Preparation: 3050B

Lab Sample ID:	460-40258-9	Analysis Batch:	460-113027	Instrument ID:	ICP4
Client Matrix:	Solid	Prep Batch:	460-112924	Lab File ID:	05172012.asc
Dilution:	4.0	Leach Batch:	N/A	Initial Weight/Volume:	1.04 g
Analysis Date:	05/17/2012 1332	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	05/17/2012 0701				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Cadmium	0.16	U	10.7	10.40	97	75 - 125	
Calcium	5560		4260	9489	92	75 - 125	
Chromium (total)	11.6		42.6	52.88	97	75 - 125	
Cobalt	5.1	J	107	108.1	97	75 - 125	
Copper	14.1		53.3	62.44	91	75 - 125	
Iron	15100		213	15350	NC	75 - 125	
Lead	4.9		107	109.0	98	75 - 125	
Magnesium	3110		4260	6967	90	75 - 125	
Manganese	321		107	423.1	96	75 - 125	
Nickel	11.9		107	116.0	98	75 - 125	
Potassium	839	J	4260	4674	90	75 - 125	
Selenium	1.4	U	426	384.3	90	75 - 125	
Silver	0.21	U	10.7	9.82	92	75 - 125	
Sodium	171	J	4260	4054	91	75 - 125	
Thallium	1.2	U	426	430.3	101	75 - 125	
Vanadium	20.4		107	120.9	94	75 - 125	
Zinc	26.2		107	126.5	94	75 - 125	

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Duplicate - Batch: 460-112924

Method: 6010B
Preparation: 3050B

Lab Sample ID:	460-40258-9	Analysis Batch:	460-113027	Instrument ID:	ICP4
Client Matrix:	Solid	Prep Batch:	460-112924	Lab File ID:	05172012.asc
Dilution:	4.0	Leach Batch:	N/A	Initial Weight/Volume:	1.08 g
Analysis Date:	05/17/2012 1303	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	05/17/2012 0701				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Arsenic	1.8		2.10	15	20	
Barium	48.2		44.58	8	20	
Beryllium	0.21	J	0.175	20	20	J
Cadmium	0.16	U	0.15	NC	20	U
Chromium (total)	11.6		11.60	0.3	20	
Cobalt	5.1	J	4.87	4	20	J
Copper	14.1		11.85	17	20	
Iron	15100		13840	9	20	
Lead	4.9		4.59	6	20	
Manganese	321		261.6	20	20	
Nickel	11.9		13.77	15	20	
Selenium	1.4	U	1.4	NC	20	U
Silver	0.21	U	0.21	NC	20	U
Vanadium	20.4		16.95	18	20	
Zinc	26.2		24.83	5	20	

Serial Dilution - Batch: 460-112924

Method: 6010B
Preparation: 3050B

Lab Sample ID:	460-40258-9	Analysis Batch:	460-113027	Instrument ID:	ICP4
Client Matrix:	Solid	Prep Batch:	460-112924	Lab File ID:	05172012.asc
Dilution:	20	Leach Batch:	N/A	Initial Weight/Volume:	1.04 g
Analysis Date:	05/17/2012 1310	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	05/17/2012 0701				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Arsenic	1.8		5.0	NC	10	U
Barium	48.2		48.63	NC	10	J
Beryllium	0.21	J	0.77	NC	10	U
Cadmium	0.16	U	0.79	NC	10	U
Chromium (total)	11.6		11.72	NC	10	
Cobalt	5.1	J	5.47	NC	10	J
Copper	14.1		13.31	NC	10	J
Iron	15100		15410	1.7	10	
Lead	4.9		4.75	NC	10	J
Manganese	321		325.0	1.3	10	
Nickel	11.9		12.47	NC	10	J
Selenium	1.4	U	7.0	NC	10	U
Silver	0.21	U	1.1	NC	10	U
Vanadium	20.4		20.34	NC	10	J

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Serial Dilution - Batch: 460-112924

Method: 6010B
Preparation: 3050B

Lab Sample ID:	460-40258-9	Analysis Batch:	460-113027	Instrument ID:	ICP4
Client Matrix:	Solid	Prep Batch:	460-112924	Lab File ID:	05172012.asc
Dilution:	20	Leach Batch:	N/A	Initial Weight/Volume:	1.04 g
Analysis Date:	05/17/2012 1310	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	05/17/2012 0701				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Zinc	26.2	27.05	NC	10	J

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Method Blank - Batch: 460-112881

Method: 7471A
Preparation: 7471A

Lab Sample ID:	MB 460-112881/10-A	Analysis Batch:	460-112895	Instrument ID:	LEEMAN3
Client Matrix:	Solid	Prep Batch:	460-112881	Lab File ID:	112881HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	05/16/2012 1944	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	05/16/2012 1700				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Mercury	0.022	U	0.022	0.033

LCS-Certified Reference Material - Batch: 460-112881

Method: 7471A
Preparation: 7471A

Lab Sample ID:	LCSSRM	Analysis Batch:	460-112895	Instrument ID:	LEEMAN3
Client Matrix:	Solid	Prep Batch:	460-112881	Lab File ID:	112881HG1.PRN
Dilution:	10	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	05/16/2012 1945	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	05/16/2012 1700				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	12.4	12.32	99	51 - 148	

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Method Blank - Batch: 460-113332

Method: 7196A
Preparation: 3060A

Lab Sample ID:	MB 460-113332/1-A	Analysis Batch:	460-113337	Instrument ID:	WetHexSpec
Client Matrix:	Solid	Prep Batch:	460-113332	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	2.50 g
Analysis Date:	05/21/2012 1539	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	05/21/2012 1130				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Cr (VI)	0.75	U	0.75	2.0

Lab Control Sample Insoluble - Batch: 460-113332

Method: 7196A
Preparation: 3060A

Lab Sample ID:	LCSI 460-113332/3-A	Analysis Batch:	460-113337	Instrument ID:	WetHexSpec
Client Matrix:	Solid	Prep Batch:	460-113332	Lab File ID:	N/A
Dilution:	50	Leach Batch:	N/A	Initial Weight/Volume:	2.50 g
Analysis Date:	05/21/2012 1539	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	05/21/2012 1130				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cr (VI)	708	714.9	101	80 - 120	

Lab Control Sample Soluble - Batch: 460-113332

Method: 7196A
Preparation: 3060A

Lab Sample ID:	LCSS 460-113332/2-A	Analysis Batch:	460-113337	Instrument ID:	WetHexSpec
Client Matrix:	Solid	Prep Batch:	460-113332	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	2.50 g
Analysis Date:	05/21/2012 1539	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	05/21/2012 1130				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cr (VI)	24.4	22.86	94	85 - 115	

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Matrix Spike Insoluble - Batch: 460-113332

Method: 7196A
Preparation: 3060A

Lab Sample ID:	460-40258-9	Analysis Batch:	460-113337	Instrument ID:	WetHexSpec
Client Matrix:	Solid	Prep Batch:	460-113332	Lab File ID:	N/A
Dilution:	50	Leach Batch:	N/A	Initial Weight/Volume:	2.50 g
Analysis Date:	05/21/2012 1539	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	05/21/2012 1130				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Cr (VI)	0.83	U	785	806.9	103	75 - 125	

Matrix Spike Soluble - Batch: 460-113332

Method: 7196A
Preparation: 3060A

Lab Sample ID:	460-40258-9	Analysis Batch:	460-113337	Instrument ID:	WetHexSpec
Client Matrix:	Solid	Prep Batch:	460-113332	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	2.50 g
Analysis Date:	05/21/2012 1539	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	05/21/2012 1130				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Cr (VI)	0.83	U	44.4	39.25	88	75 - 125	

Post Digestion Spike - Batch: 460-113332

Method: 7196A
Preparation: 3060A

Lab Sample ID:	460-40258-9	Analysis Batch:	460-113337	Instrument ID:	WetHexSpec
Client Matrix:	Solid	Prep Batch:	460-113332	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	2.50 g
Analysis Date:	05/21/2012 1539	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	05/21/2012 1130				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Cr (VI)	0.83	U	44.4	43.83	99	85 - 115	

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Duplicate - Batch: 460-113332

Method: 7196A
Preparation: 3060A

Lab Sample ID:	460-40258-9	Analysis Batch:	460-113337	Instrument ID:	WetHexSpec
Client Matrix:	Solid	Prep Batch:	460-113332	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	2.50 g
Analysis Date:	05/21/2012 1539	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	05/21/2012 1130				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Cr (VI)	0.83	U	0.83	NC	20	U

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Method Blank - Batch: 460-113428

Method: 9012A
Preparation: 9012A

Lab Sample ID:	MB 460-113428/1-A	Analysis Batch:	460-113512	Instrument ID:	Lachat2
Client Matrix:	Solid	Prep Batch:	460-113428	Lab File ID:	C120522.FDT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 g
Analysis Date:	05/22/2012 1341	Units:	mg/Kg	Final Weight/Volume:	50.0 mL
Prep Date:	05/22/2012 0730				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Cyanide, Total	0.054	U	0.054	0.50

Low Level Control Sample - Batch: 460-113428

Method: 9012A
Preparation: 9012A

Lab Sample ID:	LLCS 460-113428/2-A	Analysis Batch:	460-113512	Instrument ID:	Lachat2
Client Matrix:	Solid	Prep Batch:	460-113428	Lab File ID:	C120522.FDT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 g
Analysis Date:	05/22/2012 1342	Units:	mg/Kg	Final Weight/Volume:	50.0 mL
Prep Date:	05/22/2012 0730				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cyanide, Total	1.25	1.34	107	90 - 110	

High Level Control Sample - Batch: 460-113428

Method: 9012A
Preparation: 9012A

Lab Sample ID:	HLCS 460-113428/3-A	Analysis Batch:	460-113512	Instrument ID:	Lachat2
Client Matrix:	Solid	Prep Batch:	460-113428	Lab File ID:	C120522.FDT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 g
Analysis Date:	05/22/2012 1345	Units:	mg/Kg	Final Weight/Volume:	50.0 mL
Prep Date:	05/22/2012 0730				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cyanide, Total	10.0	10.16	102	90 - 110	

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-113428

Method: 9012A
Preparation: 9012A

MS Lab Sample ID:	460-40258-1	Analysis Batch:	460-113512	Instrument ID:	Lachat2
Client Matrix:	Solid	Prep Batch:	460-113428	Lab File ID:	C120522.FDT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 g
Analysis Date:	05/22/2012 1346			Final Weight/Volume:	50.0 mL
Prep Date:	05/22/2012 0730				
Leach Date:	N/A				

MSD Lab Sample ID:	460-40258-1	Analysis Batch:	460-113512	Instrument ID:	Lachat2
Client Matrix:	Solid	Prep Batch:	460-113428	Lab File ID:	C120522.FDT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 g
Analysis Date:	05/22/2012 1347			Final Weight/Volume:	50.0 mL
Prep Date:	05/22/2012 0730				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Cyanide, Total	103	104	85 - 115	1	10		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-113428

Method: 9012A
Preparation: 9012A

MS Lab Sample ID:	460-40258-1	Units:	mg/Kg	MSD Lab Sample ID:	460-40258-1
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	05/22/2012 1346			Analysis Date:	05/22/2012 1347
Prep Date:	05/22/2012 0730			Prep Date:	05/22/2012 0730
Leach Date:	N/A			Leach Date:	N/A

	Sample		MS Spike	MSD Spike	MS	MSD
Analyte	Result/Qual		Amount	Amount	Result/Qual	Result/Qual
Cyanide, Total	0.063	U	11.6	11.6	12.03	12.11

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Method Blank - Batch: 460-113451

Method: 9012A
Preparation: 9012A

Lab Sample ID:	MB 460-113451/1-A	Analysis Batch:	460-113512	Instrument ID:	Lachat2
Client Matrix:	Solid	Prep Batch:	460-113451	Lab File ID:	C120522.FDT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 g
Analysis Date:	05/22/2012 1335	Units:	mg/Kg	Final Weight/Volume:	50.0 mL
Prep Date:	05/22/2012 0730				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Cyanide, Total	0.054	U	0.054	0.50

Low Level Control Sample - Batch: 460-113451

Method: 9012A
Preparation: 9012A

Lab Sample ID:	LLCS 460-113451/2-A	Analysis Batch:	460-113512	Instrument ID:	Lachat2
Client Matrix:	Solid	Prep Batch:	460-113451	Lab File ID:	C120522.FDT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 g
Analysis Date:	05/22/2012 1336	Units:	mg/Kg	Final Weight/Volume:	50.0 mL
Prep Date:	05/22/2012 0730				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cyanide, Total	1.25	1.33	107	90 - 110	

High Level Control Sample - Batch: 460-113451

Method: 9012A
Preparation: 9012A

Lab Sample ID:	HLCS 460-113451/3-A	Analysis Batch:	460-113512	Instrument ID:	Lachat2
Client Matrix:	Solid	Prep Batch:	460-113451	Lab File ID:	C120522.FDT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 g
Analysis Date:	05/22/2012 1337	Units:	mg/Kg	Final Weight/Volume:	50.0 mL
Prep Date:	05/22/2012 0730				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cyanide, Total	10.0	10.07	101	90 - 110	

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Method Blank - Batch: 460-113479

Method: 9012A
Preparation: 9012A

Lab Sample ID:	MB 460-113479/1-A	Analysis Batch:	460-113512	Instrument ID:	Lachat2
Client Matrix:	Solid	Prep Batch:	460-113479	Lab File ID:	C120522.FDT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 g
Analysis Date:	05/22/2012 1417	Units:	mg/Kg	Final Weight/Volume:	50.0 mL
Prep Date:	05/22/2012 1030				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Cyanide, Total	0.054	U	0.054	0.50

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Duplicate - Batch: 460-113222

Method: Moisture
Preparation: N/A

Lab Sample ID:	460-40258-13	Analysis Batch:	460-113222	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	05/19/2012 1302	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Moisture	22.3	23.2	4	20	
Percent Solids	77.7	76.8	1	20	

DATA REPORTING QUALIFIERS

Client: Shaw Environmental & Infrastructure, Inc Job Number: 460-40258-1

Lab Section	Qualifier	Description
GC/MS VOA		
	B	Compound was found in the blank and sample.
	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.
GC/MS Semi VOA		
	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.
Metals		
	U	Indicates the analyte was analyzed for but not detected.
	4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
	F	MS/MSD Recovery or RPD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
General Chemistry		
	U	Indicates the analyte was analyzed for but not detected.

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Prep Batch: 460-112893					
460-40258-7	DB-5 21-21.5'	T	Solid	5035	
460-40258-12	DB-6 30-30.5'	T	Solid	5035	
Prep Batch: 460-112896					
LB3 460-112896/1-A	Neutral Leach or MeOH Extraction Blank	T	Solid	5035	
460-40258-1	DB-1 23-23.5'	T	Solid	5035	
460-40258-2	DB-1 34.5-35'	T	Solid	5035	
460-40258-3	DB-2 13.5-14'	T	Solid	5035	
460-40258-4	DB-2 34.5-35'	T	Solid	5035	
460-40258-5	DB-3 20.5-21'	T	Solid	5035	
460-40258-6	DB-3 30.5-31'	T	Solid	5035	
460-40258-8	DB-5 35-35.5'	T	Solid	5035	
460-40258-9	DB-5 49.5-50'	T	Solid	5035	
460-40258-10	DB-6 15-15.5'	T	Solid	5035	
460-40258-13	DB-6 39.5-40'	T	Solid	5035	
Analysis Batch:460-112972					
LCS 460-112972/3	Lab Control Sample	T	Water	8260B	
MB 460-112972/4	Method Blank	T	Water	8260B	
460-40258-14TB	Trip Blank	T	Water	8260B	
Analysis Batch:460-113081					
LCS 460-113081/3	Lab Control Sample	T	Solid	8260B	
LCSD 460-113081/4	Lab Control Sample Duplicate	T	Solid	8260B	
MB 460-113081/5	Method Blank	T	Solid	8260B	
LB3 460-112896/1-A	Neutral Leach or MeOH Extraction Blank	T	Solid	8260B	460-112896
460-40258-1	DB-1 23-23.5'	T	Solid	8260B	460-112896
460-40258-2	DB-1 34.5-35'	T	Solid	8260B	460-112896
460-40258-3	DB-2 13.5-14'	T	Solid	8260B	460-112896
460-40258-4	DB-2 34.5-35'	T	Solid	8260B	460-112896
460-40258-5	DB-3 20.5-21'	T	Solid	8260B	460-112896
460-40258-6	DB-3 30.5-31'	T	Solid	8260B	460-112896
460-40258-8	DB-5 35-35.5'	T	Solid	8260B	460-112896
460-40258-9	DB-5 49.5-50'	T	Solid	8260B	460-112896
460-40258-10	DB-6 15-15.5'	T	Solid	8260B	460-112896
460-40258-13	DB-6 39.5-40'	T	Solid	8260B	460-112896
Analysis Batch:460-113082					
LCS 460-113082/3	Lab Control Sample	T	Solid	8260B	
MB 460-113082/4	Method Blank	T	Solid	8260B	
460-40258-7	DB-5 21-21.5'	T	Solid	8260B	460-112893
460-40258-12	DB-6 30-30.5'	T	Solid	8260B	460-112893

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch

Report Basis

T = Total

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 460-112983					
LCS 460-112983/2-A	Lab Control Sample	T	Solid	3541	
MB 460-112983/1-A	Method Blank	T	Solid	3541	
460-40258-1	DB-1 23-23.5'	T	Solid	3541	
460-40258-2	DB-1 34.5-35'	T	Solid	3541	
460-40258-3	DB-2 13.5-14'	T	Solid	3541	
460-40258-4	DB-2 34.5-35'	T	Solid	3541	
460-40258-5	DB-3 20.5-21'	T	Solid	3541	
460-40258-6	DB-3 30.5-31'	T	Solid	3541	
460-40258-7	DB-5 21-21.5'	T	Solid	3541	
460-40258-8	DB-5 35-35.5'	T	Solid	3541	
460-40258-9	DB-5 49.5-50'	T	Solid	3541	
460-40258-10	DB-6 15-15.5'	T	Solid	3541	
460-40258-11	DB-6 29.5-30'	T	Solid	3541	
Analysis Batch:460-113076					
LCS 460-112983/2-A	Lab Control Sample	T	Solid	8270C	460-112983
MB 460-112983/1-A	Method Blank	T	Solid	8270C	460-112983
460-40258-4	DB-2 34.5-35'	T	Solid	8270C	460-112983
460-40258-5	DB-3 20.5-21'	T	Solid	8270C	460-112983
460-40258-6	DB-3 30.5-31'	T	Solid	8270C	460-112983
460-40258-7	DB-5 21-21.5'	T	Solid	8270C	460-112983
460-40258-8	DB-5 35-35.5'	T	Solid	8270C	460-112983
460-40258-9	DB-5 49.5-50'	T	Solid	8270C	460-112983
460-40258-10	DB-6 15-15.5'	T	Solid	8270C	460-112983
Prep Batch: 460-113111					
LCS 460-113111/2-A	Lab Control Sample	T	Solid	3541	
MB 460-113111/1-A	Method Blank	T	Solid	3541	
460-40258-13	DB-6 39.5-40'	T	Solid	3541	
Analysis Batch:460-113356					
460-40258-1	DB-1 23-23.5'	T	Solid	8270C	460-112983
460-40258-2	DB-1 34.5-35'	T	Solid	8270C	460-112983
460-40258-3	DB-2 13.5-14'	T	Solid	8270C	460-112983
Analysis Batch:460-113358					
LCS 460-113111/2-A	Lab Control Sample	T	Solid	8270C	460-113111
MB 460-113111/1-A	Method Blank	T	Solid	8270C	460-113111
460-40258-13	DB-6 39.5-40'	T	Solid	8270C	460-113111
Analysis Batch:460-113487					
460-40258-11	DB-6 29.5-30'	T	Solid	8270C	460-112983

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch

Report Basis

T = Total

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 460-112881					
LCSSRM 460-112881/11-A	LCS-Certified Reference Material	T	Solid	7471A	
MB 460-112881/10-A	Method Blank	T	Solid	7471A	
460-40258-1	DB-1 23-23.5'	T	Solid	7471A	
460-40258-2	DB-1 34.5-35'	T	Solid	7471A	
460-40258-3	DB-2 13.5-14'	T	Solid	7471A	
460-40258-4	DB-2 34.5-35'	T	Solid	7471A	
460-40258-5	DB-3 20.5-21'	T	Solid	7471A	
460-40258-6	DB-3 30.5-31'	T	Solid	7471A	
460-40258-7	DB-5 21-21.5'	T	Solid	7471A	
460-40258-8	DB-5 35-35.5'	T	Solid	7471A	
460-40258-9	DB-5 49.5-50'	T	Solid	7471A	
460-40258-10	DB-6 15-15.5'	T	Solid	7471A	
460-40258-11	DB-6 29.5-30'	T	Solid	7471A	
460-40258-13	DB-6 39.5-40'	T	Solid	7471A	
Analysis Batch:460-112895					
LCSSRM 460-112881/11-A	LCS-Certified Reference Material	T	Solid	7471A	460-112881
MB 460-112881/10-A	Method Blank	T	Solid	7471A	460-112881
460-40258-1	DB-1 23-23.5'	T	Solid	7471A	460-112881
460-40258-2	DB-1 34.5-35'	T	Solid	7471A	460-112881
460-40258-3	DB-2 13.5-14'	T	Solid	7471A	460-112881
460-40258-4	DB-2 34.5-35'	T	Solid	7471A	460-112881
460-40258-5	DB-3 20.5-21'	T	Solid	7471A	460-112881
460-40258-6	DB-3 30.5-31'	T	Solid	7471A	460-112881
460-40258-7	DB-5 21-21.5'	T	Solid	7471A	460-112881
460-40258-8	DB-5 35-35.5'	T	Solid	7471A	460-112881
460-40258-9	DB-5 49.5-50'	T	Solid	7471A	460-112881
460-40258-10	DB-6 15-15.5'	T	Solid	7471A	460-112881
460-40258-11	DB-6 29.5-30'	T	Solid	7471A	460-112881
460-40258-13	DB-6 39.5-40'	T	Solid	7471A	460-112881

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 460-112924					
LCSSRM 460-112924/2-A ^4	LCS-Certified Reference Material	T	Solid	3050B	
MB 460-112924/1-A ^2	Method Blank	T	Solid	3050B	
460-40258-1	DB-1 23-23.5'	T	Solid	3050B	
460-40258-2	DB-1 34.5-35'	T	Solid	3050B	
460-40258-3	DB-2 13.5-14'	T	Solid	3050B	
460-40258-4	DB-2 34.5-35'	T	Solid	3050B	
460-40258-5	DB-3 20.5-21'	T	Solid	3050B	
460-40258-6	DB-3 30.5-31'	T	Solid	3050B	
460-40258-7	DB-5 21-21.5'	T	Solid	3050B	
460-40258-8	DB-5 35-35.5'	T	Solid	3050B	
460-40258-9	DB-5 49.5-50'	T	Solid	3050B	
460-40258-9DU	Duplicate	T	Solid	3050B	
460-40258-9MS	Matrix Spike	T	Solid	3050B	
460-40258-10	DB-6 15-15.5'	T	Solid	3050B	
460-40258-11	DB-6 29.5-30'	T	Solid	3050B	
460-40258-13	DB-6 39.5-40'	T	Solid	3050B	
Analysis Batch:460-113027					
LCSSRM 460-112924/2-A ^4	LCS-Certified Reference Material	T	Solid	6010B	460-112924
MB 460-112924/1-A ^2	Method Blank	T	Solid	6010B	460-112924
460-40258-1	DB-1 23-23.5'	T	Solid	6010B	460-112924
460-40258-2	DB-1 34.5-35'	T	Solid	6010B	460-112924
460-40258-3	DB-2 13.5-14'	T	Solid	6010B	460-112924
460-40258-4	DB-2 34.5-35'	T	Solid	6010B	460-112924
460-40258-5	DB-3 20.5-21'	T	Solid	6010B	460-112924
460-40258-6	DB-3 30.5-31'	T	Solid	6010B	460-112924
460-40258-7	DB-5 21-21.5'	T	Solid	6010B	460-112924
460-40258-8	DB-5 35-35.5'	T	Solid	6010B	460-112924
460-40258-9	DB-5 49.5-50'	T	Solid	6010B	460-112924
460-40258-9DU	Duplicate	T	Solid	6010B	460-112924
460-40258-9MS	Matrix Spike	T	Solid	6010B	460-112924
460-40258-10	DB-6 15-15.5'	T	Solid	6010B	460-112924
460-40258-11	DB-6 29.5-30'	T	Solid	6010B	460-112924
460-40258-13	DB-6 39.5-40'	T	Solid	6010B	460-112924

Report Basis

T = Total

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:460-113220					
460-40258-11	DB-6 29.5-30'	T	Solid	Moisture	
Analysis Batch:460-113222					
460-40258-13	DB-6 39.5-40'	T	Solid	Moisture	
460-40258-13DU	Duplicate	T	Solid	Moisture	
Analysis Batch:460-113223					
460-40258-1	DB-1 23-23.5'	T	Solid	Moisture	
460-40258-2	DB-1 34.5-35'	T	Solid	Moisture	
460-40258-3	DB-2 13.5-14'	T	Solid	Moisture	
460-40258-4	DB-2 34.5-35'	T	Solid	Moisture	
460-40258-5	DB-3 20.5-21'	T	Solid	Moisture	
460-40258-6	DB-3 30.5-31'	T	Solid	Moisture	
460-40258-7	DB-5 21-21.5'	T	Solid	Moisture	
460-40258-8	DB-5 35-35.5'	T	Solid	Moisture	
460-40258-9	DB-5 49.5-50'	T	Solid	Moisture	
460-40258-10	DB-6 15-15.5'	T	Solid	Moisture	
460-40258-12	DB-6 30-30.5'	T	Solid	Moisture	
Prep Batch: 460-113332					
LCSI 460-113332/3-A	Lab Control Sample Insoluble	T	Solid	3060A	
LCSS 460-113332/2-A	Lab Control Sample Soluble	T	Solid	3060A	
MB 460-113332/1-A	Method Blank	T	Solid	3060A	
460-40258-1	DB-1 23-23.5'	T	Solid	3060A	
460-40258-2	DB-1 34.5-35'	T	Solid	3060A	
460-40258-3	DB-2 13.5-14'	T	Solid	3060A	
460-40258-4	DB-2 34.5-35'	T	Solid	3060A	
460-40258-5	DB-3 20.5-21'	T	Solid	3060A	
460-40258-6	DB-3 30.5-31'	T	Solid	3060A	
460-40258-7	DB-5 21-21.5'	T	Solid	3060A	
460-40258-8	DB-5 35-35.5'	T	Solid	3060A	
460-40258-9	DB-5 49.5-50'	T	Solid	3060A	
460-40258-9DU	Duplicate	T	Solid	3060A	
460-40258-9MSI	Matrix Spike Insoluble	T	Solid	3060A	
460-40258-9MSS	Matrix Spike Soluble	T	Solid	3060A	
460-40258-10	DB-6 15-15.5'	T	Solid	3060A	
460-40258-11	DB-6 29.5-30'	T	Solid	3060A	
460-40258-13	DB-6 39.5-40'	T	Solid	3060A	

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:460-113337					
LCSI 460-113332/3-A	Lab Control Sample Insoluble	T	Solid	7196A	460-113332
LCSS 460-113332/2-A	Lab Control Sample Soluble	T	Solid	7196A	460-113332
MB 460-113332/1-A	Method Blank	T	Solid	7196A	460-113332
460-40258-1	DB-1 23-23.5'	T	Solid	7196A	460-113332
460-40258-2	DB-1 34.5-35'	T	Solid	7196A	460-113332
460-40258-3	DB-2 13.5-14'	T	Solid	7196A	460-113332
460-40258-4	DB-2 34.5-35'	T	Solid	7196A	460-113332
460-40258-5	DB-3 20.5-21'	T	Solid	7196A	460-113332
460-40258-6	DB-3 30.5-31'	T	Solid	7196A	460-113332
460-40258-7	DB-5 21-21.5'	T	Solid	7196A	460-113332
460-40258-8	DB-5 35-35.5'	T	Solid	7196A	460-113332
460-40258-9	DB-5 49.5-50'	T	Solid	7196A	460-113332
460-40258-9DU	Duplicate	T	Solid	7196A	460-113332
460-40258-9MSI	Matrix Spike Insoluble	T	Solid	7196A	460-113332
460-40258-9MSS	Matrix Spike Soluble	T	Solid	7196A	460-113332
460-40258-10	DB-6 15-15.5'	T	Solid	7196A	460-113332
460-40258-11	DB-6 29.5-30'	T	Solid	7196A	460-113332
460-40258-13	DB-6 39.5-40'	T	Solid	7196A	460-113332
Prep Batch: 460-113428					
HLCS 460-113428/3-A	High Level Control Sample	T	Solid	9012A	
LLCS 460-113428/2-A	Low Level Control Sample	T	Solid	9012A	
MB 460-113428/1-A	Method Blank	T	Solid	9012A	
460-40258-1	DB-1 23-23.5'	T	Solid	9012A	
460-40258-1MS	Matrix Spike	T	Solid	9012A	
460-40258-1MSD	Matrix Spike Duplicate	T	Solid	9012A	
460-40258-2	DB-1 34.5-35'	T	Solid	9012A	
460-40258-3	DB-2 13.5-14'	T	Solid	9012A	
460-40258-4	DB-2 34.5-35'	T	Solid	9012A	
460-40258-5	DB-3 20.5-21'	T	Solid	9012A	
460-40258-6	DB-3 30.5-31'	T	Solid	9012A	
460-40258-7	DB-5 21-21.5'	T	Solid	9012A	
460-40258-8	DB-5 35-35.5'	T	Solid	9012A	
460-40258-9	DB-5 49.5-50'	T	Solid	9012A	
460-40258-10	DB-6 15-15.5'	T	Solid	9012A	
Prep Batch: 460-113451					
HLCS 460-113451/3-A	High Level Control Sample	T	Solid	9012A	
LLCS 460-113451/2-A	Low Level Control Sample	T	Solid	9012A	
MB 460-113451/1-A	Method Blank	T	Solid	9012A	
460-40258-11	DB-6 29.5-30'	T	Solid	9012A	
460-40258-13	DB-6 39.5-40'	T	Solid	9012A	
Prep Batch: 460-113479					
MB 460-113479/1-A	Method Blank	T	Solid	9012A	

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:460-113512					
HLCS 460-113428/3-A	High Level Control Sample	T	Solid	9012A	460-113428
LLCS 460-113428/2-A	Low Level Control Sample	T	Solid	9012A	460-113428
MB 460-113428/1-A	Method Blank	T	Solid	9012A	460-113428
HLCS 460-113451/3-A	High Level Control Sample	T	Solid	9012A	460-113451
LLCS 460-113451/2-A	Low Level Control Sample	T	Solid	9012A	460-113451
MB 460-113451/1-A	Method Blank	T	Solid	9012A	460-113451
MB 460-113479/1-A	Method Blank	T	Solid	9012A	460-113479
460-40258-1	DB-1 23-23.5'	T	Solid	9012A	460-113428
460-40258-1MS	Matrix Spike	T	Solid	9012A	460-113428
460-40258-1MSD	Matrix Spike Duplicate	T	Solid	9012A	460-113428
460-40258-2	DB-1 34.5-35'	T	Solid	9012A	460-113428
460-40258-3	DB-2 13.5-14'	T	Solid	9012A	460-113428
460-40258-4	DB-2 34.5-35'	T	Solid	9012A	460-113428
460-40258-5	DB-3 20.5-21'	T	Solid	9012A	460-113428
460-40258-6	DB-3 30.5-31'	T	Solid	9012A	460-113428
460-40258-7	DB-5 21-21.5'	T	Solid	9012A	460-113428
460-40258-8	DB-5 35-35.5'	T	Solid	9012A	460-113428
460-40258-9	DB-5 49.5-50'	T	Solid	9012A	460-113428
460-40258-10	DB-6 15-15.5'	T	Solid	9012A	460-113428
460-40258-11	DB-6 29.5-30'	T	Solid	9012A	460-113451
460-40258-13	DB-6 39.5-40'	T	Solid	9012A	460-113451
Analysis Batch:460-117362					
460-40258-1	DB-1 23-23.5'	T	Solid	7196A	
460-40258-2	DB-1 34.5-35'	T	Solid	7196A	
460-40258-3	DB-2 13.5-14'	T	Solid	7196A	
460-40258-4	DB-2 34.5-35'	T	Solid	7196A	
460-40258-5	DB-3 20.5-21'	T	Solid	7196A	
460-40258-6	DB-3 30.5-31'	T	Solid	7196A	
460-40258-7	DB-5 21-21.5'	T	Solid	7196A	
460-40258-8	DB-5 35-35.5'	T	Solid	7196A	
460-40258-9	DB-5 49.5-50'	T	Solid	7196A	
460-40258-10	DB-6 15-15.5'	T	Solid	7196A	
460-40258-11	DB-6 29.5-30'	T	Solid	7196A	
460-40258-13	DB-6 39.5-40'	T	Solid	7196A	

Report Basis

T = Total

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Laboratory Chronicle

Lab ID: 460-40258-1 **Client ID:** DB-1 23-23.5'

Sample Date/Time: 05/10/2012 12:35 Received Date/Time: 05/15/2012 16:35

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	460-40258-A-1-C		460-113081	460-112896	05/16/2012 22:16	1	TAL EDI	FJ
A:8260B	460-40258-A-1-C		460-113081	460-112896	05/18/2012 09:03	1	TAL EDI	AT
P:3541	460-40258-C-1-A		460-113356	460-112983	05/17/2012 11:25	1	TAL EDI	cm
A:8270C	460-40258-C-1-A		460-113356	460-112983	05/20/2012 19:07	1	TAL EDI	CZ
P:3050B	460-40258-A-1-E ^4		460-113027	460-112924	05/17/2012 07:01	4	TAL EDI	MC
A:6010B	460-40258-A-1-E ^4		460-113027	460-112924	05/17/2012 15:18	4	TAL EDI	CDC
P:7471A	460-40258-A-1-A		460-112895	460-112881	05/16/2012 17:00	1	TAL EDI	TS
A:7471A	460-40258-A-1-A		460-112895	460-112881	05/16/2012 19:59	1	TAL EDI	TS
P:3060A	460-40258-A-1-F		460-113337	460-113332	05/21/2012 11:30	1	TAL EDI	ML
A:7196A	460-40258-A-1-F		460-113337	460-113332	05/21/2012 15:39	1	TAL EDI	ML
A:7196A	460-40258-A-1		460-117362		06/25/2012 12:49	1	TAL EDI	LD
P:9012A	460-40258-A-1-I		460-113512	460-113428	05/22/2012 07:30	1	TAL EDI	IA
A:9012A	460-40258-A-1-I		460-113512	460-113428	05/22/2012 13:48	1	TAL EDI	HV
A:Moisture	460-40258-A-1		460-113223		05/19/2012 13:05	1	TAL EDI	SB

Lab ID: 460-40258-1 MS **Client ID:** DB-1 23-23.5'

Sample Date/Time: 05/10/2012 12:35 Received Date/Time: 05/15/2012 16:35

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:9012A	460-40258-A-1-G MS		460-113512	460-113428	05/22/2012 07:30	1	TAL EDI	IA
A:9012A	460-40258-A-1-G MS		460-113512	460-113428	05/22/2012 13:46	1	TAL EDI	HV

Lab ID: 460-40258-1 MSD **Client ID:** DB-1 23-23.5'

Sample Date/Time: 05/10/2012 12:35 Received Date/Time: 05/15/2012 16:35

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:9012A	460-40258-A-1-H MSD		460-113512	460-113428	05/22/2012 07:30	1	TAL EDI	IA
A:9012A	460-40258-A-1-H MSD		460-113512	460-113428	05/22/2012 13:47	1	TAL EDI	HV

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Laboratory Chronicle

Lab ID: 460-40258-2 **Client ID:** DB-1 34.5-35'

Sample Date/Time: 05/10/2012 12:45 Received Date/Time: 05/15/2012 16:35

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	460-40258-A-2-C		460-113081	460-112896	05/16/2012 22:17	1	TAL EDI	FJ
A:8260B	460-40258-A-2-C		460-113081	460-112896	05/18/2012 09:28	1	TAL EDI	AT
P:3541	460-40258-B-2-A		460-113356	460-112983	05/17/2012 11:25	1	TAL EDI	cm
A:8270C	460-40258-B-2-A		460-113356	460-112983	05/21/2012 02:16	1	TAL EDI	CZ
P:3050B	460-40258-A-2-E ^4		460-113027	460-112924	05/17/2012 07:01	4	TAL EDI	MC
A:6010B	460-40258-A-2-E ^4		460-113027	460-112924	05/17/2012 15:21	4	TAL EDI	CDC
P:7471A	460-40258-A-2-A		460-112895	460-112881	05/16/2012 17:00	1	TAL EDI	TS
A:7471A	460-40258-A-2-A		460-112895	460-112881	05/16/2012 20:01	1	TAL EDI	TS
P:3060A	460-40258-A-2-F		460-113337	460-113332	05/21/2012 11:30	1	TAL EDI	ML
A:7196A	460-40258-A-2-F		460-113337	460-113332	05/21/2012 15:39	1	TAL EDI	ML
A:7196A	460-40258-A-2		460-117362		06/25/2012 12:49	1	TAL EDI	LD
P:9012A	460-40258-A-2-G		460-113512	460-113428	05/22/2012 07:30	1	TAL EDI	IA
A:9012A	460-40258-A-2-G		460-113512	460-113428	05/22/2012 13:50	1	TAL EDI	HV
A:Moisture	460-40258-A-2		460-113223		05/19/2012 13:05	1	TAL EDI	SB

Lab ID: 460-40258-3 **Client ID:** DB-2 13.5-14'

Sample Date/Time: 05/10/2012 14:00 Received Date/Time: 05/15/2012 16:35

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	460-40258-A-3-C		460-113081	460-112896	05/16/2012 22:19	1	TAL EDI	FJ
A:8260B	460-40258-A-3-C		460-113081	460-112896	05/18/2012 09:53	1	TAL EDI	AT
P:3541	460-40258-C-3-A		460-113356	460-112983	05/17/2012 11:25	1	TAL EDI	cm
A:8270C	460-40258-C-3-A		460-113356	460-112983	05/21/2012 01:22	1	TAL EDI	CZ
P:3050B	460-40258-A-3-E ^4		460-113027	460-112924	05/17/2012 07:01	4	TAL EDI	MC
A:6010B	460-40258-A-3-E ^4		460-113027	460-112924	05/17/2012 15:25	4	TAL EDI	CDC
P:7471A	460-40258-A-3-A		460-112895	460-112881	05/16/2012 17:00	1	TAL EDI	TS
A:7471A	460-40258-A-3-A		460-112895	460-112881	05/16/2012 20:07	1	TAL EDI	TS
P:3060A	460-40258-A-3-F		460-113337	460-113332	05/21/2012 11:30	1	TAL EDI	ML
A:7196A	460-40258-A-3-F		460-113337	460-113332	05/21/2012 17:15	1	TAL EDI	ML
A:7196A	460-40258-A-3		460-117362		06/25/2012 12:49	1	TAL EDI	LD
P:9012A	460-40258-A-3-G		460-113512	460-113428	05/22/2012 07:30	1	TAL EDI	IA
A:9012A	460-40258-A-3-G		460-113512	460-113428	05/22/2012 13:51	1	TAL EDI	HV
A:Moisture	460-40258-A-3		460-113223		05/19/2012 13:05	1	TAL EDI	SB

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Laboratory Chronicle

Lab ID: 460-40258-4 **Client ID:** DB-2 34.5-35'

Sample Date/Time: 05/10/2012 14:50 Received Date/Time: 05/15/2012 16:35

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	460-40258-A-4-C		460-113081	460-112896	05/16/2012 22:21	1	TAL EDI	FJ
A:8260B	460-40258-A-4-C		460-113081	460-112896	05/18/2012 10:18	1	TAL EDI	AT
P:3541	460-40258-B-4-A		460-113076	460-112983	05/17/2012 11:25	1	TAL EDI	cm
A:8270C	460-40258-B-4-A		460-113076	460-112983	05/18/2012 07:19	1	TAL EDI	AAA
P:3050B	460-40258-A-4-E ^4		460-113027	460-112924	05/17/2012 07:01	4	TAL EDI	MC
A:6010B	460-40258-A-4-E ^4		460-113027	460-112924	05/17/2012 15:28	4	TAL EDI	CDC
P:7471A	460-40258-A-4-A		460-112895	460-112881	05/16/2012 17:00	1	TAL EDI	TS
A:7471A	460-40258-A-4-A		460-112895	460-112881	05/16/2012 20:08	1	TAL EDI	TS
P:3060A	460-40258-A-4-F		460-113337	460-113332	05/21/2012 11:30	1	TAL EDI	ML
A:7196A	460-40258-A-4-F		460-113337	460-113332	05/21/2012 17:15	1	TAL EDI	ML
A:7196A	460-40258-A-4		460-117362		06/25/2012 12:49	1	TAL EDI	LD
P:9012A	460-40258-A-4-G		460-113512	460-113428	05/22/2012 07:30	1	TAL EDI	IA
A:9012A	460-40258-A-4-G		460-113512	460-113428	05/22/2012 13:52	1	TAL EDI	HV
A:Moisture	460-40258-A-4		460-113223		05/19/2012 13:05	1	TAL EDI	SB

Lab ID: 460-40258-5 **Client ID:** DB-3 20.5-21'

Sample Date/Time: 05/10/2012 16:40 Received Date/Time: 05/15/2012 16:35

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	460-40258-A-5-C		460-113081	460-112896	05/16/2012 22:22	1	TAL EDI	FJ
A:8260B	460-40258-A-5-C		460-113081	460-112896	05/18/2012 10:43	1	TAL EDI	AT
P:3541	460-40258-B-5-A		460-113076	460-112983	05/17/2012 11:25	1	TAL EDI	cm
A:8270C	460-40258-B-5-A		460-113076	460-112983	05/18/2012 07:46	1	TAL EDI	AAA
P:3050B	460-40258-A-5-E ^4		460-113027	460-112924	05/17/2012 07:01	4	TAL EDI	MC
A:6010B	460-40258-A-5-E ^4		460-113027	460-112924	05/17/2012 15:39	4	TAL EDI	CDC
P:7471A	460-40258-A-5-A		460-112895	460-112881	05/16/2012 17:00	1	TAL EDI	TS
A:7471A	460-40258-A-5-A		460-112895	460-112881	05/16/2012 20:10	1	TAL EDI	TS
P:3060A	460-40258-A-5-F		460-113337	460-113332	05/21/2012 11:30	1	TAL EDI	ML
A:7196A	460-40258-A-5-F		460-113337	460-113332	05/21/2012 17:15	1	TAL EDI	ML
A:7196A	460-40258-A-5		460-117362		06/25/2012 12:49	1	TAL EDI	LD
P:9012A	460-40258-A-5-G		460-113512	460-113428	05/22/2012 07:30	1	TAL EDI	IA
A:9012A	460-40258-A-5-G		460-113512	460-113428	05/22/2012 13:53	1	TAL EDI	HV
A:Moisture	460-40258-A-5		460-113223		05/19/2012 13:05	1	TAL EDI	SB

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

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Lab ID: 460-40258-6 **Client ID:** DB-3 30.5-31'

Sample Date/Time: 05/10/2012 16:55 Received Date/Time: 05/15/2012 16:35

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	460-40258-A-6-C		460-113081	460-112896	05/16/2012 22:24	1	TAL EDI	FJ
A:8260B	460-40258-A-6-C		460-113081	460-112896	05/18/2012 11:07	1	TAL EDI	AT
P:3541	460-40258-B-6-A		460-113076	460-112983	05/17/2012 11:25	1	TAL EDI	cm
A:8270C	460-40258-B-6-A		460-113076	460-112983	05/18/2012 08:13	1	TAL EDI	AAA
P:3050B	460-40258-A-6-E ^4		460-113027	460-112924	05/17/2012 07:01	4	TAL EDI	MC
A:6010B	460-40258-A-6-E ^4		460-113027	460-112924	05/17/2012 15:43	4	TAL EDI	CDC
P:7471A	460-40258-A-6-A		460-112895	460-112881	05/16/2012 17:00	1	TAL EDI	TS
A:7471A	460-40258-A-6-A		460-112895	460-112881	05/16/2012 20:12	1	TAL EDI	TS
P:3060A	460-40258-A-6-F		460-113337	460-113332	05/21/2012 11:30	1	TAL EDI	ML
A:7196A	460-40258-A-6-F		460-113337	460-113332	05/21/2012 17:15	1	TAL EDI	ML
A:7196A	460-40258-A-6		460-117362		06/25/2012 12:49	1	TAL EDI	LD
P:9012A	460-40258-A-6-G		460-113512	460-113428	05/22/2012 07:30	1	TAL EDI	IA
A:9012A	460-40258-A-6-G		460-113512	460-113428	05/22/2012 13:54	1	TAL EDI	HV
A:Moisture	460-40258-A-6		460-113223		05/19/2012 13:05	1	TAL EDI	SB

Lab ID: 460-40258-7 **Client ID:** DB-5 21-21.5'

Sample Date/Time: 05/11/2012 14:35 Received Date/Time: 05/15/2012 16:35

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	460-40258-A-7-B		460-113082	460-112893	05/16/2012 21:10	50	TAL EDI	FJ
A:8260B	460-40258-A-7-B		460-113082	460-112893	05/18/2012 10:55	50	TAL EDI	AT
P:3541	460-40258-C-7-A		460-113076	460-112983	05/17/2012 11:25	1	TAL EDI	cm
A:8270C	460-40258-C-7-A		460-113076	460-112983	05/18/2012 08:40	1	TAL EDI	AAA
P:3050B	460-40258-A-7-E ^4		460-113027	460-112924	05/17/2012 07:01	4	TAL EDI	MC
A:6010B	460-40258-A-7-E ^4		460-113027	460-112924	05/17/2012 15:46	4	TAL EDI	CDC
P:7471A	460-40258-A-7-A		460-112895	460-112881	05/16/2012 17:00	1	TAL EDI	TS
A:7471A	460-40258-A-7-A		460-112895	460-112881	05/16/2012 20:14	1	TAL EDI	TS
P:3060A	460-40258-A-7-F		460-113337	460-113332	05/21/2012 11:30	1	TAL EDI	ML
A:7196A	460-40258-A-7-F		460-113337	460-113332	05/21/2012 17:15	1	TAL EDI	ML
A:7196A	460-40258-A-7		460-117362		06/25/2012 12:49	1	TAL EDI	LD
P:9012A	460-40258-A-7-G		460-113512	460-113428	05/22/2012 07:30	1	TAL EDI	IA
A:9012A	460-40258-A-7-G		460-113512	460-113428	05/22/2012 13:55	1	TAL EDI	HV
A:Moisture	460-40258-A-7		460-113223		05/19/2012 13:05	1	TAL EDI	SB

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

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Lab ID: 460-40258-8 **Client ID:** DB-5 35-35.5'

Sample Date/Time: 05/11/2012 14:50 Received Date/Time: 05/15/2012 16:35

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	460-40258-A-8-C		460-113081	460-112896	05/16/2012 22:27	1	TAL EDI	FJ
A:8260B	460-40258-A-8-C		460-113081	460-112896	05/18/2012 11:32	1	TAL EDI	AT
P:3541	460-40258-C-8-A		460-113076	460-112983	05/17/2012 11:25	1	TAL EDI	cm
A:8270C	460-40258-C-8-A		460-113076	460-112983	05/18/2012 09:07	1	TAL EDI	AAA
P:3050B	460-40258-A-8-E ^4		460-113027	460-112924	05/17/2012 07:01	4	TAL EDI	MC
A:6010B	460-40258-A-8-E ^4		460-113027	460-112924	05/17/2012 15:50	4	TAL EDI	CDC
P:7471A	460-40258-A-8-A		460-112895	460-112881	05/16/2012 17:00	1	TAL EDI	TS
A:7471A	460-40258-A-8-A		460-112895	460-112881	05/16/2012 20:16	1	TAL EDI	TS
P:3060A	460-40258-A-8-F		460-113337	460-113332	05/21/2012 11:30	1	TAL EDI	ML
A:7196A	460-40258-A-8-F		460-113337	460-113332	05/21/2012 17:15	1	TAL EDI	ML
A:7196A	460-40258-A-8		460-117362		06/25/2012 12:49	1	TAL EDI	LD
P:9012A	460-40258-A-8-G		460-113512	460-113428	05/22/2012 07:30	1	TAL EDI	IA
A:9012A	460-40258-A-8-G		460-113512	460-113428	05/22/2012 13:59	1	TAL EDI	HV
A:Moisture	460-40258-A-8		460-113223		05/19/2012 13:05	1	TAL EDI	SB

Lab ID: 460-40258-9 **Client ID:** DB-5 49.5-50'

Sample Date/Time: 05/11/2012 16:05 Received Date/Time: 05/15/2012 16:35

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	460-40258-A-9-C		460-113081	460-112896	05/16/2012 22:29	1	TAL EDI	FJ
A:8260B	460-40258-A-9-C		460-113081	460-112896	05/18/2012 11:57	1	TAL EDI	AT
P:3541	460-40258-C-9-A		460-113076	460-112983	05/17/2012 11:25	1	TAL EDI	cm
A:8270C	460-40258-C-9-A		460-113076	460-112983	05/18/2012 09:34	1	TAL EDI	AAA
P:3050B	460-40258-A-9-E ^4		460-113027	460-112924	05/17/2012 07:01	4	TAL EDI	MC
A:6010B	460-40258-A-9-E ^4		460-113027	460-112924	05/17/2012 13:07	4	TAL EDI	CDC
P:7471A	460-40258-A-9-A		460-112895	460-112881	05/16/2012 17:00	1	TAL EDI	TS
A:7471A	460-40258-A-9-A		460-112895	460-112881	05/16/2012 20:18	1	TAL EDI	TS
P:3060A	460-40258-A-9-H		460-113337	460-113332	05/21/2012 11:30	1	TAL EDI	ML
A:7196A	460-40258-A-9-H		460-113337	460-113332	05/21/2012 15:39	1	TAL EDI	ML
A:7196A	460-40258-A-9		460-117362		06/25/2012 12:49	1	TAL EDI	LD
P:9012A	460-40258-A-9-L		460-113512	460-113428	05/22/2012 07:30	1	TAL EDI	IA
A:9012A	460-40258-A-9-L		460-113512	460-113428	05/22/2012 14:00	1	TAL EDI	HV
A:Moisture	460-40258-A-9		460-113223		05/19/2012 13:05	1	TAL EDI	SB

Lab ID: 460-40258-9 MS **Client ID:** DB-5 49.5-50'

Sample Date/Time: 05/11/2012 16:05 Received Date/Time: 05/15/2012 16:35

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	460-40258-A-9-G MS ^4		460-113027	460-112924	05/17/2012 07:01	4	TAL EDI	MC
A:6010B	460-40258-A-9-G MS ^4		460-113027	460-112924	05/17/2012 13:14	4	TAL EDI	CDC

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

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Lab ID: 460-40258-9 DU **Client ID:** DB-5 49.5-50'

Sample Date/Time: 05/11/2012 16:05 Received Date/Time: 05/15/2012 16:35

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	460-40258-A-9-F DU ^4		460-113027	460-112924	05/17/2012 07:01	4	TAL EDI	MC
A:6010B	460-40258-A-9-F DU ^4		460-113027	460-112924	05/17/2012 13:03	4	TAL EDI	CDC
P:3060A	460-40258-A-9-I DU		460-113337	460-113332	05/21/2012 11:30	1	TAL EDI	ML
A:7196A	460-40258-A-9-I DU		460-113337	460-113332	05/21/2012 15:39	1	TAL EDI	ML

Lab ID: 460-40258-9 SD **Client ID:** DB-5 49.5-50'

Sample Date/Time: 05/11/2012 16:05 Received Date/Time: 05/15/2012 16:35

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	460-40258-A-9-E SD ^20		460-113027	460-112924	05/17/2012 07:01	20	TAL EDI	MC
A:6010B	460-40258-A-9-E SD ^20		460-113027	460-112924	05/17/2012 13:10	20	TAL EDI	CDC
P:3050B	460-40258-A-9-E PDS ^4		460-113027	460-112924	05/17/2012 07:01	4	TAL EDI	MC
A:6010B	460-40258-A-9-E PDS ^4		460-113027	460-112924	05/17/2012 13:32	4	TAL EDI	CDC
P:3060A	460-40258-A-9-H PDS		460-113337	460-113332	05/21/2012 11:30	1	TAL EDI	ML
P:3060A	460-40258-A-9-J MSS		460-113337	460-113332	05/21/2012 11:30	1	TAL EDI	ML
P:3060A	460-40258-A-9-K MSI		460-113337	460-113332	05/21/2012 11:30	50	TAL EDI	ML
A:7196A	460-40258-A-9-H PDS		460-113337	460-113332	05/21/2012 15:39	1	TAL EDI	ML
A:7196A	460-40258-A-9-J MSS		460-113337	460-113332	05/21/2012 15:39	1	TAL EDI	ML
A:7196A	460-40258-A-9-K MSI		460-113337	460-113332	05/21/2012 15:39	50	TAL EDI	ML

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Laboratory Chronicle

Lab ID: 460-40258-10 **Client ID:** DB-6 15-15.5'

Sample Date/Time: 05/11/2012 10:15 Received Date/Time: 05/15/2012 16:35

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	460-40258-A-10-C		460-113081	460-112896	05/16/2012 22:31	1	TAL EDI	FJ
A:8260B	460-40258-A-10-C		460-113081	460-112896	05/18/2012 12:22	1	TAL EDI	AT
P:3541	460-40258-C-10-A		460-113076	460-112983	05/17/2012 11:25	1	TAL EDI	cm
A:8270C	460-40258-C-10-A		460-113076	460-112983	05/18/2012 10:55	1	TAL EDI	AAA
P:3050B	460-40258-A-10-E ^4		460-113027	460-112924	05/17/2012 07:01	4	TAL EDI	MC
A:6010B	460-40258-A-10-E ^4		460-113027	460-112924	05/17/2012 15:53	4	TAL EDI	CDC
P:7471A	460-40258-A-10-A		460-112895	460-112881	05/16/2012 17:00	1	TAL EDI	TS
A:7471A	460-40258-A-10-A		460-112895	460-112881	05/16/2012 20:20	1	TAL EDI	TS
P:3060A	460-40258-A-10-F		460-113337	460-113332	05/21/2012 11:30	1	TAL EDI	ML
A:7196A	460-40258-A-10-F		460-113337	460-113332	05/21/2012 17:15	1	TAL EDI	ML
A:7196A	460-40258-A-10		460-117362		06/25/2012 12:49	1	TAL EDI	LD
P:9012A	460-40258-A-10-G		460-113512	460-113428	05/22/2012 07:30	1	TAL EDI	IA
A:9012A	460-40258-A-10-G		460-113512	460-113428	05/22/2012 14:01	1	TAL EDI	HV
A:Moisture	460-40258-A-10		460-113223		05/19/2012 13:05	1	TAL EDI	SB

Lab ID: 460-40258-11 **Client ID:** DB-6 29.5-30'

Sample Date/Time: 05/11/2012 10:45 Received Date/Time: 05/15/2012 16:35

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3541	460-40258-A-11-F		460-113487	460-112983	05/17/2012 11:25	5	TAL EDI	cm
A:8270C	460-40258-A-11-F		460-113487	460-112983	05/21/2012 18:13	5	TAL EDI	CZ
P:3050B	460-40258-A-11-E ^4		460-113027	460-112924	05/17/2012 07:01	4	TAL EDI	MC
A:6010B	460-40258-A-11-E ^4		460-113027	460-112924	05/17/2012 15:57	4	TAL EDI	CDC
P:7471A	460-40258-A-11-A		460-112895	460-112881	05/16/2012 17:00	1	TAL EDI	TS
A:7471A	460-40258-A-11-A		460-112895	460-112881	05/16/2012 20:22	1	TAL EDI	TS
P:3060A	460-40258-A-11-G		460-113337	460-113332	05/21/2012 11:30	1	TAL EDI	ML
A:7196A	460-40258-A-11-G		460-113337	460-113332	05/21/2012 17:15	1	TAL EDI	ML
A:7196A	460-40258-A-11		460-117362		06/25/2012 12:49	1	TAL EDI	LD
P:9012A	460-40258-A-11-H		460-113512	460-113451	05/22/2012 07:30	1	TAL EDI	IA
A:9012A	460-40258-A-11-H		460-113512	460-113451	05/22/2012 13:38	1	TAL EDI	HV
A:Moisture	460-40258-A-11		460-113220		05/19/2012 10:17	1	TAL EDI	SB

Lab ID: 460-40258-12 **Client ID:** DB-6 30-30.5'

Sample Date/Time: 05/11/2012 10:50 Received Date/Time: 05/15/2012 16:35

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	460-40258-A-12-A		460-113082	460-112893	05/16/2012 21:15	50	TAL EDI	FJ
A:8260B	460-40258-A-12-A		460-113082	460-112893	05/18/2012 11:17	50	TAL EDI	AT
A:Moisture	460-40258-A-12		460-113223		05/19/2012 13:05	1	TAL EDI	SB

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Laboratory Chronicle

Lab ID: 460-40258-13 **Client ID:** DB-6 39.5-40'

Sample Date/Time: 05/11/2012 10:55 Received Date/Time: 05/15/2012 16:35

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	460-40258-A-13-C		460-113081	460-112896	05/16/2012 22:36	1	TAL EDI	FJ
A:8260B	460-40258-A-13-C		460-113081	460-112896	05/18/2012 12:47	1	TAL EDI	AT
P:3541	460-40258-C-13-A		460-113358	460-113111	05/18/2012 09:13	1	TAL EDI	hp
A:8270C	460-40258-C-13-A		460-113358	460-113111	05/21/2012 14:04	1	TAL EDI	CZ
P:3050B	460-40258-A-13-E ^4		460-113027	460-112924	05/17/2012 07:01	4	TAL EDI	MC
A:6010B	460-40258-A-13-E ^4		460-113027	460-112924	05/17/2012 16:00	4	TAL EDI	CDC
P:7471A	460-40258-A-13-A		460-112895	460-112881	05/16/2012 17:00	1	TAL EDI	TS
A:7471A	460-40258-A-13-A		460-112895	460-112881	05/16/2012 20:24	1	TAL EDI	TS
P:3060A	460-40258-A-13-F		460-113337	460-113332	05/21/2012 11:30	1	TAL EDI	ML
A:7196A	460-40258-A-13-F		460-113337	460-113332	05/21/2012 17:15	1	TAL EDI	ML
A:7196A	460-40258-A-13		460-117362		06/25/2012 12:49	1	TAL EDI	LD
P:9012A	460-40258-A-13-G		460-113512	460-113451	05/22/2012 07:30	1	TAL EDI	IA
A:9012A	460-40258-A-13-G		460-113512	460-113451	05/22/2012 13:39	1	TAL EDI	HV
A:Moisture	460-40258-A-13		460-113222		05/19/2012 11:59	1	TAL EDI	SB

Lab ID: 460-40258-13 DU **Client ID:** DB-6 39.5-40'

Sample Date/Time: 05/11/2012 10:55 Received Date/Time: 05/15/2012 16:35

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:Moisture	460-40258-A-13 DU		460-113222		05/19/2012 13:02	1	TAL EDI	SB

Lab ID: 460-40258-14 **Client ID:** Trip Blank

Sample Date/Time: 05/11/2012 00:00 Received Date/Time: 05/15/2012 16:35

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	460-40258-A-14		460-112972		05/17/2012 16:23	1	TAL EDI	SD
A:8260B	460-40258-A-14		460-112972		05/17/2012 16:23	1	TAL EDI	SD

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Laboratory Chronicle

Lab ID: MB **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	MB 460-112972/4		460-112972		05/17/2012 10:36	1	TAL EDI	SD
A:8260B	MB 460-112972/4		460-112972		05/17/2012 10:36	1	TAL EDI	SD
A:8260B	MB 460-113082/4		460-113082		05/18/2012 06:08	50	TAL EDI	AT
A:8260B	MB 460-113081/5		460-113081		05/18/2012 06:59	1	TAL EDI	AT
P:3541	MB 460-112983/1-A		460-113076	460-112983	05/17/2012 11:25	1	TAL EDI	cm
A:8270C	MB 460-112983/1-A		460-113076	460-112983	05/18/2012 05:00	1	TAL EDI	AAA
P:3541	MB 460-113111/1-A		460-113358	460-113111	05/18/2012 09:13	1	TAL EDI	hp
A:8270C	MB 460-113111/1-A		460-113358	460-113111	05/21/2012 11:40	1	TAL EDI	CZ
P:3050B	MB 460-112924/1-A ^2		460-113027	460-112924	05/17/2012 07:01	2	TAL EDI	MC
A:6010B	MB 460-112924/1-A ^2		460-113027	460-112924	05/17/2012 13:28	2	TAL EDI	CDC
P:7471A	MB 460-112881/10-A		460-112895	460-112881	05/16/2012 17:00	1	TAL EDI	TS
A:7471A	MB 460-112881/10-A		460-112895	460-112881	05/16/2012 19:44	1	TAL EDI	TS
P:3060A	MB 460-113332/1-A		460-113337	460-113332	05/21/2012 11:30	1	TAL EDI	ML
A:7196A	MB 460-113332/1-A		460-113337	460-113332	05/21/2012 15:39	1	TAL EDI	ML
P:9012A	MB 460-113451/1-A		460-113512	460-113451	05/22/2012 07:30	1	TAL EDI	IA
A:9012A	MB 460-113451/1-A		460-113512	460-113451	05/22/2012 13:35	1	TAL EDI	HV
P:9012A	MB 460-113428/1-A		460-113512	460-113428	05/22/2012 07:30	1	TAL EDI	IA
A:9012A	MB 460-113428/1-A		460-113512	460-113428	05/22/2012 13:41	1	TAL EDI	HV
P:9012A	MB 460-113479/1-A		460-113512	460-113479	05/22/2012 10:30	1	TAL EDI	IA
A:9012A	MB 460-113479/1-A		460-113512	460-113479	05/22/2012 14:17	1	TAL EDI	HV

Lab ID: LB3 **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	LB3 460-112896/1-A		460-113081	460-112896	05/16/2012 21:49	1	TAL EDI	FJ
A:8260B	LB3 460-112896/1-A		460-113081	460-112896	05/18/2012 07:24	1	TAL EDI	AT

Lab ID: LCS **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	LCS 460-112972/3		460-112972		05/17/2012 09:18	1	TAL EDI	SD
A:8260B	LCS 460-112972/3		460-112972		05/17/2012 09:18	1	TAL EDI	SD
A:8260B	LCS 460-113081/3		460-113081		05/18/2012 04:28	1	TAL EDI	AT
A:8260B	LCS 460-113082/3		460-113082		05/18/2012 04:39	50	TAL EDI	AT
P:3541	LCS 460-112983/2-A		460-113076	460-112983	05/17/2012 11:25	1	TAL EDI	cm
A:8270C	LCS 460-112983/2-A		460-113076	460-112983	05/18/2012 04:33	1	TAL EDI	AAA
P:3541	LCS 460-113111/2-A		460-113358	460-113111	05/18/2012 09:13	1	TAL EDI	hp
A:8270C	LCS 460-113111/2-A		460-113358	460-113111	05/21/2012 11:17	1	TAL EDI	CZ

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Laboratory Chronicle

Lab ID: LCSD **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:8260B	LCSD 460-113081/4		460-113081		05/18/2012 06:10	1	TAL EDI	AT

Lab ID: LCSSRM **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	LCSSRM 460-112924/2-A ^4		460-113027	460-112924	05/17/2012 07:01	4	TAL EDI	MC
A:6010B	LCSSRM 460-112924/2-A ^4		460-113027	460-112924	05/17/2012 13:18	4	TAL EDI	CDC
P:7471A	LCSSRM 460-112881/11-A ^10		460-112895	460-112881	05/16/2012 17:00	10	TAL EDI	TS
A:7471A	LCSSRM 460-112881/11-A ^10		460-112895	460-112881	05/16/2012 19:45	10	TAL EDI	TS

Lab ID: LLCS **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:9012A	LLCS 460-113451/2-A		460-113512	460-113451	05/22/2012 07:30	1	TAL EDI	IA
A:9012A	LLCS 460-113451/2-A		460-113512	460-113451	05/22/2012 13:36	1	TAL EDI	HV
P:9012A	LLCS 460-113428/2-A		460-113512	460-113428	05/22/2012 07:30	1	TAL EDI	IA
A:9012A	LLCS 460-113428/2-A		460-113512	460-113428	05/22/2012 13:42	1	TAL EDI	HV

Lab ID: HLCS **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:9012A	HLCS 460-113451/3-A		460-113512	460-113451	05/22/2012 07:30	1	TAL EDI	IA
A:9012A	HLCS 460-113451/3-A		460-113512	460-113451	05/22/2012 13:37	1	TAL EDI	HV
P:9012A	HLCS 460-113428/3-A		460-113512	460-113428	05/22/2012 07:30	1	TAL EDI	IA
A:9012A	HLCS 460-113428/3-A		460-113512	460-113428	05/22/2012 13:45	1	TAL EDI	HV

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Laboratory Chronicle

Lab ID: LCSI **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	LCSI 460-113332/3-A		460-113337	460-113332	05/21/2012 11:30	50	TAL EDI	ML
P:3060A	LCSS 460-113332/2-A		460-113337	460-113332	05/21/2012 11:30	1	TAL EDI	ML
A:7196A	LCSI 460-113332/3-A		460-113337	460-113332	05/21/2012 15:39	50	TAL EDI	ML
A:7196A	LCSS 460-113332/2-A		460-113337	460-113332	05/21/2012 15:39	1	TAL EDI	ML

Lab References:

TAL EDI = TestAmerica Edison

Method 8260B

Volatile Organic Compounds (GC/MS) by Method 8260B

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): DB-624 ID: 0.18 (mm)

Client Sample ID	Lab Sample ID	DCA #	TOL #	BFB #
DB-1 23-23.5'	460-40258-1	113	107	98
DB-1 34.5-35'	460-40258-2	118	110	97
DB-2 13.5-14'	460-40258-3	117	111	101
DB-2 34.5-35'	460-40258-4	121	110	101
DB-3 20.5-21'	460-40258-5	116	106	100
DB-3 30.5-31'	460-40258-6	118	104	103
DB-5 35-35.5'	460-40258-8	115	101	99
DB-5 49.5-50'	460-40258-9	113	110	101
DB-6 15-15.5'	460-40258-10	107	94	91
DB-6 39.5-40'	460-40258-13	119	114	105
	MB 460-113081/5	120	107	94
	LB3 460-112896/1-A	122	103	95
	LCS 460-113081/3	121	112	97
	LCSD 460-113081/4	114	104	92

	QC LIMITS
DCA = 1,2-Dichloroethane-d4 (Surr)	70-130
TOL = Toluene-d8 (Surr)	70-130
BFB = Bromofluorobenzene	70-130

Column to be used to flag recovery values

FORM II 8260B

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Matrix: Solid Level: Medium

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

Client Sample ID	Lab Sample ID	DCA #	TOL #
DB-5 21-21.5'	460-40258-7	84	79
DB-6 30-30.5'	460-40258-12	91	87
	MB 460-113082/4	114	105
	LCS 460-113082/3	109	109

	QC LIMITS
DCA = 1,2-Dichloroethane-d4 (Surr)	75-135
TOL = Toluene-d8 (Surr)	59-150

Column to be used to flag recovery values

FORM II 8260B

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Matrix: Water Level: Low

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

Client Sample ID	Lab Sample ID	DCA #	TOL #	BFB #
Trip Blank	460-40258-14	101	105	104
	MB 460-112972/4	92	95	93
	LCS 460-112972/3	99	102	104

	QC LIMITS
DCA = 1,2-Dichloroethane-d4 (Surr)	70-130
TOL = Toluene-d8 (Surr)	70-130
BFB = Bromofluorobenzene	70-130

Column to be used to flag recovery values

FORM II 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Matrix: Water Level: Low Lab File ID: d20723.d

Lab ID: LCS 460-112972/3 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Carbon disulfide	20.0	14.3	71	58-139	
Tetrachloroethene	20.0	20.3	101	68-139	
1,2-Dichloropropane	20.0	22.2	111	80-120	
4-Methyl-2-pentanone	20.0	19.3	96	53-120	
1,1,2-Trichloro-1,2,2-trichfluoroethane	20.0	13.4	67	47-139	
Dibromochloromethane	20.0	18.4	92	80-120	
1,2,4-Trichlorobenzene	20.0	22.0	110	66-120	
Styrene	20.0	20.4	102	69-112	
1,2,3-Trichlorobenzene	20.0	23.0	115	76-123	
1,1,2,2-Tetrachloroethane	20.0	21.7	108	74-126	
Chloroethane	20.0	22.7	114	69-145	
2-Butanone	20.0	20.6	103	65-114	
Isopropylbenzene	20.0	21.7	109	80-125	
1,1,1-Trichloroethane	20.0	21.4	107	74-128	
Benzene	20.0	21.4	107	83-124	
cis-1,3-Dichloropropene	20.0	17.9	90	80-120	
Bromochloromethane	20.0	23.3	116	80-121	
Bromoform	20.0	15.7	79	73-123	
1,1-Dichloroethane	20.0	22.5	112	78-122	
1,2-Dichloroethane	20.0	20.9	105	74-118	
1,1,2-Trichloroethane	20.0	20.4	102	79-119	
Acetone	20.0	23.6	118	45-156	
Methyl acetate	20.0	16.3	81	50-151	
Dichlorodifluoromethane	20.0	19.7	99	46-145	
Methylene Chloride	20.0	23.8	119	79-119	
Chloromethane	20.0	23.4	117	58-146	
Bromomethane	20.0	22.4	112	55-153	
Toluene	20.0	20.1	101	80-120	
o-Xylene	20.0	20.9	105	78-118	
Chlorobenzene	20.0	21.4	107	81-121	
1,2-Dibromo-3-Chloropropane	20.0	18.0	90	70-116	
1,3-Dichlorobenzene	20.0	21.3	107	81-126	
MTBE	20.0	20.4	102	71-115	
trans-1,2-Dichloroethene	20.0	22.4	112	75-122	
1,4-Dioxane	150	163	109	52-126	
1,1-Dichloroethene	20.0	18.4	92	56-139	
1,2-Dichlorobenzene	20.0	21.8	109	82-122	
Trichloroethene	20.0	20.3	101	78-119	
2-Hexanone	20.0	21.2	106	53-121	
Ethylbenzene	20.0	20.9	104	79-126	
Methylcyclohexane	20.0	12.7	63	61-129	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Matrix: Water Level: Low Lab File ID: d20723.d

Lab ID: LCS 460-112972/3 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Trichlorofluoromethane	20.0	21.8	109	69-147	
Cyclohexane	20.0	14.2	71	58-133	
trans-1,3-Dichloropropene	20.0	17.0	85	78-118	
cis-1,2-Dichloroethene	20.0	23.0	115	80-120	
Chloroform	20.0	22.4	112	82-123	
m&p-Xylene	40.0	41.8	105	76-120	
Vinyl chloride	20.0	19.6	98	61-144	
1,2-Dibromoethane	20.0	20.2	101	78-118	
Carbon tetrachloride	20.0	20.7	103	73-120	
1,4-Dichlorobenzene	20.0	20.8	104	83-123	
Bromodichloromethane	20.0	19.5	98	79-119	
n-Butylbenzene	20.0	18.5	92	77-129	
1,2,4-Trimethylbenzene	20.0	21.8	109	68-120	
sec-Butylbenzene	20.0	22.1	111	64-124	
N-Propylbenzene	20.0	22.1	110	67-130	
1,3,5-Trimethylbenzene	20.0	21.4	107	69-118	
tert-Butylbenzene	20.0	20.7	103	65-116	
4-Isopropyltoluene	20.0	21.3	106	47-138	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: o60376.d

Lab ID: LCS 460-113081/3 Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Carbon disulfide	20.0	20.7	104	72-128	
Tetrachloroethene	20.0	21.3	107	80-120	
1,2-Dichloropropane	20.0	18.7	94	82-122	
4-Methyl-2-pentanone	20.0	14.5	72	68-120	
1,1,2-Trichloro-1,2,2-trichfluoroethane	20.0	22.6	113	73-123	
Dibromochloromethane	20.0	19.7	99	68-120	
1,2,4-Trichlorobenzene	20.0	17.4	87	80-120	
Styrene	20.0	19.9	99	82-122	
1,2,3-Trichlorobenzene	20.0	17.7	89	75-121	
1,1,2,2-Tetrachloroethane	20.0	21.1	106	79-122	
Chloroethane	20.0	24.3	121	56-146	
2-Butanone	20.0	19.0	95	77-117	
Isopropylbenzene	20.0	20.1	101	65-129	
1,1,1-Trichloroethane	20.0	20.5	103	78-117	
Benzene	20.0	18.9	95	77-117	
cis-1,3-Dichloropropene	20.0	18.8	94	80-123	
Bromochloromethane	20.0	19.3	97	74-125	
Bromoform	20.0	17.7	89	59-125	
1,1-Dichloroethane	20.0	20.0	100	76-125	
1,2-Dichloroethane	20.0	18.1	91	76-118	
1,1,2-Trichloroethane	20.0	20.6	103	73-118	
Acetone	20.0	23.1	116	27-164	
Methyl acetate	20.0	20.2	101	73-137	
Dichlorodifluoromethane	20.0	23.0	115	52-144	
Methylene Chloride	20.0	20.4	102	74-137	
Chloromethane	20.0	24.9	125	50-151	
Bromomethane	20.0	20.5	102	54-142	
Toluene	20.0	20.6	103	75-115	
o-Xylene	20.0	20.1	100	82-122	
Chlorobenzene	20.0	18.9	95	80-120	
1,2-Dibromo-3-Chloropropane	20.0	15.2	76	74-118	
1,3-Dichlorobenzene	20.0	19.0	95	80-120	
MTBE	20.0	19.7	99	78-120	
trans-1,2-Dichloroethene	20.0	20.7	104	75-122	
1,4-Dioxane	150	138	92	69-131	
1,1-Dichloroethene	20.0	21.2	106	71-126	
1,2-Dichlorobenzene	20.0	18.1	90	80-120	
Trichloroethene	20.0	20.8	104	79-119	
2-Hexanone	20.0	15.2	76	70-122	
Ethylbenzene	20.0	19.1	95	81-121	
Methylcyclohexane	20.0	20.6	103	78-118	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: o60376.d

Lab ID: LCS 460-113081/3 Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Trichlorofluoromethane	20.0	22.3	111	61-139	
Cyclohexane	20.0	21.1	105	80-121	
trans-1,3-Dichloropropene	20.0	19.2	96	67-121	
cis-1,2-Dichloroethene	20.0	22.3	111	80-120	
Chloroform	20.0	21.3	107	77-120	
m&p-Xylene	40.0	44.9	112	81-121	
Vinyl chloride	20.0	23.4	117	67-133	
1,2-Dibromoethane	20.0	18.8	94	75-117	
Carbon tetrachloride	20.0	19.9	100	79-118	
1,4-Dichlorobenzene	20.0	18.5	93	80-120	
Bromodichloromethane	20.0	18.3	92	79-119	
n-Butylbenzene	20.0	19.4	97	82-122	
1,2,4-Trimethylbenzene	20.0	19.9	99	81-121	
sec-Butylbenzene	20.0	19.9	100	82-122	
N-Propylbenzene	20.0	22.1	110	81-121	
1,3,5-Trimethylbenzene	20.0	21.9	110	82-122	
tert-Butylbenzene	20.0	20.9	105	82-122	
p-Isopropyltoluene	20.0	19.0	95	82-122	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Matrix: Solid Level: Medium Lab File ID: b42250.d

Lab ID: LCS 460-113082/3 Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Carbon disulfide	2000	2260	113	70-120	
Tetrachloroethene	2000	2220	111	78-136	
1,2-Dichloropropane	2000	2140	107	78-118	
4-Methyl-2-pentanone	2000	1930	97	69-124	
1,1,2-Trichloro-1,2,2-trichfluoroethane	2000	2170	108	50-128	
Dibromochloromethane	2000	2230	112	78-118	
1,2,4-Trichlorobenzene	2000	1930	97	62-144	
Styrene	2000	2140	107	73-126	
1,2,3-Trichlorobenzene	2000	1810	91	36-207	
1,1,2,2-Tetrachloroethane	2000	1970	99	86-145	
Chloroethane	2000	2300	115	66-144	
2-Butanone	2000	2030	101	70-139	
Isopropylbenzene	2000	2210	110	80-143	
1,1,1-Trichloroethane	2000	2240	112	78-118	
Benzene	2000	2120	106	71-118	
cis-1,3-Dichloropropene	2000	2100	105	75-120	
Bromochloromethane	2000	2100	105	81-121	
Bromoform	2000	1950	98	76-133	
1,1-Dichloroethane	2000	2190	109	79-119	
1,2-Dichloroethane	2000	2140	107	81-121	
1,1,2-Trichloroethane	2000	2090	104	77-120	
Acetone	2000	2310	115	48-177	
Methyl acetate	2000	2230	111	72-165	
Dichlorodifluoromethane	2000	2220	111	41-149	
Methylene Chloride	2000	2080	104	78-118	
Chloromethane	2000	1990	99	52-144	
Bromomethane	2000	2170	109	58-154	
Toluene	2000	2040	102	79-136	
o-Xylene	2000	2070	104	77-122	
Chlorobenzene	2000	2090	104	69-124	
1,2-Dibromo-3-Chloropropane	2000	1880	94	62-127	
1,3-Dichlorobenzene	2000	2070	103	83-123	
MTBE	2000	1920	96	65-143	
trans-1,2-Dichloroethene	2000	2140	107	73-119	
1,4-Dioxane	15000	15500	103	54-147	
1,1-Dichloroethene	2000	2070	104	68-138	
1,2-Dichlorobenzene	2000	2050	103	83-123	
Trichloroethene	2000	2120	106	82-122	
2-Hexanone	2000	1660	83	62-123	
Ethylbenzene	2000	2060	103	78-124	
Methylcyclohexane	2000	1940	97	80-134	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Matrix: Solid Level: Medium Lab File ID: b42250.d

Lab ID: LCS 460-113082/3 Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Trichlorofluoromethane	2000	2180	109	60-148	
Cyclohexane	2000	1930	97	69-128	
trans-1,3-Dichloropropene	2000	2010	101	73-118	
cis-1,2-Dichloroethene	2000	2060	103	78-118	
Chloroform	2000	2110	105	81-122	
m&p-Xylene	4000	4280	107	78-127	
Vinyl chloride	2000	2020	101	55-154	
1,2-Dibromoethane	2000	2060	103	76-120	
Carbon tetrachloride	2000	1930	97	64-130	
1,4-Dichlorobenzene	2000	2030	102	84-124	
Bromodichloromethane	2000	2160	108	78-118	
n-Butylbenzene	2000	1830	92	84-136	
1,2,4-Trimethylbenzene	2000	2080	104	82-122	
sec-Butylbenzene	2000	1940	97	66-141	
N-Propylbenzene	2000	2060	103	72-132	
1,3,5-Trimethylbenzene	2000	2080	104	80-125	
tert-Butylbenzene	2000	1830	92	77-130	
p-Isopropyltoluene	2000	1870	94	39-162	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: o60378.d

Lab ID: LCSD 460-113081/4 Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Carbon disulfide	20.0	20.7	103	0	30	72-128	
Tetrachloroethene	20.0	18.3	91	15	30	80-120	
1,2-Dichloropropane	20.0	18.6	93	1	30	82-122	
4-Methyl-2-pentanone	20.0	15.9	80	10	30	68-120	
1,1,2-Trichloro-1,2,2-trichfluoroethane	20.0	23.2	116	2	30	73-123	
Dibromochloromethane	20.0	17.9	90	9	30	68-120	
1,2,4-Trichlorobenzene	20.0	18.0	90	3	30	80-120	
Styrene	20.0	18.0	90	10	30	82-122	
1,2,3-Trichlorobenzene	20.0	16.7	84	6	30	75-121	
1,1,2,2-Tetrachloroethane	20.0	16.2	81	27	30	79-122	
Chloroethane	20.0	25.4	127	4	30	56-146	
2-Butanone	20.0	18.3	91	4	30	77-117	
Isopropylbenzene	20.0	18.8	94	7	30	65-129	
1,1,1-Trichloroethane	20.0	20.9	104	2	30	78-117	
Benzene	20.0	20.8	104	9	30	77-117	
cis-1,3-Dichloropropene	20.0	19.2	96	2	30	80-123	
Bromochloromethane	20.0	22.2	111	14	30	74-125	
Bromoform	20.0	17.3	87	2	30	59-125	
1,1-Dichloroethane	20.0	19.7	98	2	30	76-125	
1,2-Dichloroethane	20.0	20.5	102	12	30	76-118	
1,1,2-Trichloroethane	20.0	19.0	95	8	30	73-118	
Acetone	20.0	23.2	116	0	30	27-164	
Methyl acetate	20.0	20.4	102	1	30	73-137	
Dichlorodifluoromethane	20.0	24.5	123	6	30	52-144	
Methylene Chloride	20.0	19.5	98	4	30	74-137	
Chloromethane	20.0	25.1	126	1	30	50-151	
Bromomethane	20.0	20.2	101	2	30	54-142	
Toluene	20.0	20.6	103	0	30	75-115	
o-Xylene	20.0	18.4	92	9	30	82-122	
Chlorobenzene	20.0	19.2	96	1	30	80-120	
1,2-Dibromo-3-Chloropropane	20.0	16.5	82	8	30	74-118	
1,3-Dichlorobenzene	20.0	19.3	97	2	30	80-120	
MTBE	20.0	20.7	104	5	30	78-120	
trans-1,2-Dichloroethene	20.0	20.1	100	3	30	75-122	
1,4-Dioxane	150	173	115	22	30	69-131	
1,1-Dichloroethene	20.0	21.8	109	3	30	71-126	
1,2-Dichlorobenzene	20.0	18.2	91	1	30	80-120	
Trichloroethene	20.0	18.9	94	10	30	79-119	
2-Hexanone	20.0	14.7	74	3	30	70-122	
Ethylbenzene	20.0	18.1	90	5	30	81-121	
Methylcyclohexane	20.0	22.8	114	10	30	78-118	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: o60378.d

Lab ID: LCSD 460-113081/4 Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Trichlorofluoromethane	20.0	22.4	112	1	30	61-139	
Cyclohexane	20.0	23.5	118	11	30	80-121	
trans-1,3-Dichloropropene	20.0	15.0	75	24	30	67-121	
cis-1,2-Dichloroethene	20.0	20.5	102	9	30	80-120	
Chloroform	20.0	21.4	107	0	30	77-120	
m&p-Xylene	40.0	37.4	93	18	30	81-121	
Vinyl chloride	20.0	23.5	118	1	30	67-133	
1,2-Dibromoethane	20.0	19.7	99	5	30	75-117	
Carbon tetrachloride	20.0	21.5	107	8	30	79-118	
1,4-Dichlorobenzene	20.0	18.7	94	1	30	80-120	
Bromodichloromethane	20.0	18.8	94	2	30	79-119	
n-Butylbenzene	20.0	18.7	93	4	30	82-122	
1,2,4-Trimethylbenzene	20.0	17.4	87	13	30	81-121	
sec-Butylbenzene	20.0	20.6	103	3	30	82-122	
N-Propylbenzene	20.0	18.5	93	18	30	81-121	
1,3,5-Trimethylbenzene	20.0	18.1	91	19	30	82-122	
tert-Butylbenzene	20.0	18.0	90	15	30	82-122	
p-Isopropyltoluene	20.0	19.7	98	3	30	82-122	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Lab File ID: o60380.d Lab Sample ID: MB 460-113081/5

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

Instrument ID: VOAMS12 Date Analyzed: 05/18/2012 06:59

GC Column: DB-624 ID: 0.18(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-113081/3	o60376.d	05/18/2012 04:28
	LCSD 460-113081/4	o60378.d	05/18/2012 06:10
	LB3 460-112896/1-A	o60381.d	05/18/2012 07:24
DB-1 23-23.5'	460-40258-1	o60385.d	05/18/2012 09:03
DB-1 34.5-35'	460-40258-2	o60386.d	05/18/2012 09:28
DB-2 13.5-14'	460-40258-3	o60387.d	05/18/2012 09:53
DB-2 34.5-35'	460-40258-4	o60388.d	05/18/2012 10:18
DB-3 20.5-21'	460-40258-5	o60389.d	05/18/2012 10:43
DB-3 30.5-31'	460-40258-6	o60390.d	05/18/2012 11:07
DB-5 35-35.5'	460-40258-8	o60391.d	05/18/2012 11:32
DB-5 49.5-50'	460-40258-9	o60392.d	05/18/2012 11:57
DB-6 15-15.5'	460-40258-10	o60393.d	05/18/2012 12:22
DB-6 39.5-40'	460-40258-13	o60394.d	05/18/2012 12:47

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Lab File ID: b42254.d Lab Sample ID: MB 460-113082/4

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

Instrument ID: VOAMS2 Date Analyzed: 05/18/2012 06:08

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

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-113082/3	b42250.d	05/18/2012 04:39
DB-5 21-21.5'	460-40258-7	b42267.d	05/18/2012 10:55
DB-6 30-30.5'	460-40258-12	b42268.d	05/18/2012 11:17

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Lab File ID: d20726.d Lab Sample ID: MB 460-112972/4

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

Instrument ID: VOAMS4 Date Analyzed: 05/17/2012 10:36

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

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-112972/3	d20723.d	05/17/2012 09:18
Trip Blank	460-40258-14	d20741.d	05/17/2012 16:23

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

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Lab File ID: o59876.d BFB Injection Date: 05/03/2012

Instrument ID: VOAMS12 BFB Injection Time: 17:30

Analysis Batch No.: 111515

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	17.1	
75	30.0 - 60.0 % of mass 95	48.7	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.0	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	87.9	
175	5.0 - 9.0 % of mass 174	7.1	(8.0)1
176	95.0 - 101.0 % of mass 174	85.0	(96.7)1
177	5.0 - 9.0 % of mass 176	6.6	(7.7)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 460-111515/2	o59879.d	05/03/2012	18:57
	IC 460-111515/3	o59880.d	05/03/2012	19:22
	ICIS 460-111515/4	o59881.d	05/03/2012	19:47
	IC 460-111515/5	o59882.d	05/03/2012	20:12
	IC 460-111515/6	o59883.d	05/03/2012	20:37
	IC 460-111515/7	o59884.d	05/03/2012	21:02

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

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Lab File ID: o60374.d BFB Injection Date: 05/18/2012

Instrument ID: VOAMS12 BFB Injection Time: 03:31

Analysis Batch No.: 113081

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	16.9	
75	30.0 - 60.0 % of mass 95	48.0	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.4	
173	Less than 2.0 % of mass 174	0.8	(1.0)1
174	50.0 - 120.00 % of mass 95	85.1	
175	5.0 - 9.0 % of mass 174	7.2	(8.5)1
176	95.0 - 101.0 % of mass 174	82.0	(96.4)1
177	5.0 - 9.0 % of mass 176	5.3	(6.4)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 460-113081/2	o60375.d	05/18/2012	04:03
	LCS 460-113081/3	o60376.d	05/18/2012	04:28
	LCSD 460-113081/4	o60378.d	05/18/2012	06:10
	MB 460-113081/5	o60380.d	05/18/2012	06:59
	LB3 460-112896/1-A	o60381.d	05/18/2012	07:24
DB-1 23-23.5'	460-40258-1	o60385.d	05/18/2012	09:03
DB-1 34.5-35'	460-40258-2	o60386.d	05/18/2012	09:28
DB-2 13.5-14'	460-40258-3	o60387.d	05/18/2012	09:53
DB-2 34.5-35'	460-40258-4	o60388.d	05/18/2012	10:18
DB-3 20.5-21'	460-40258-5	o60389.d	05/18/2012	10:43
DB-3 30.5-31'	460-40258-6	o60390.d	05/18/2012	11:07
DB-5 35-35.5'	460-40258-8	o60391.d	05/18/2012	11:32
DB-5 49.5-50'	460-40258-9	o60392.d	05/18/2012	11:57
DB-6 15-15.5'	460-40258-10	o60393.d	05/18/2012	12:22
DB-6 39.5-40'	460-40258-13	o60394.d	05/18/2012	12:47

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

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Lab File ID: b41430.d BFB Injection Date: 04/24/2012

Instrument ID: VOAMS2 BFB Injection Time: 20:13

Analysis Batch No.: 110461

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	22.7	
75	30.0 - 60.0 % of mass 95	54.0	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.1	
173	Less than 2.0 % of mass 174	0.2	(0.3)1
174	50.0 - 120.00 % of mass 95	83.9	
175	5.0 - 9.0 % of mass 174	6.8	(8.1)1
176	95.0 - 101.0 % of mass 174	80.0	(95.4)1
177	5.0 - 9.0 % of mass 176	5.4	(6.8)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 460-110461/2	b41434.d	04/24/2012	21:45
	IC 460-110461/3	b41435.d	04/24/2012	22:07
	ICIS 460-110461/4	b41436.d	04/24/2012	22:29
	IC 460-110461/5	b41437.d	04/24/2012	22:51
	IC 460-110461/6	b41438.d	04/24/2012	23:13
	IC 460-110461/7	b41439.d	04/24/2012	23:35

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

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Lab File ID: b42248.d BFB Injection Date: 05/18/2012

Instrument ID: VOAMS2 BFB Injection Time: 03:39

Analysis Batch No.: 113082

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	21.8	
75	30.0 - 60.0 % of mass 95	54.0	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.9	
173	Less than 2.0 % of mass 174	0.8	(1.0)1
174	50.0 - 120.00 % of mass 95	78.5	
175	5.0 - 9.0 % of mass 174	5.6	(7.1)1
176	95.0 - 101.0 % of mass 174	76.6	(97.6)1
177	5.0 - 9.0 % of mass 176	5.3	(6.9)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 460-113082/2	b42249.d	05/18/2012	04:17
	LCS 460-113082/3	b42250.d	05/18/2012	04:39
	MB 460-113082/4	b42254.d	05/18/2012	06:08
DB-5 21-21.5'	460-40258-7	b42267.d	05/18/2012	10:55
DB-6 30-30.5'	460-40258-12	b42268.d	05/18/2012	11:17

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

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Lab File ID: d20295.d BFB Injection Date: 05/03/2012

Instrument ID: VOAMS4 BFB Injection Time: 01:29

Analysis Batch No.: 112625

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	24.4	
75	30.0 - 60.0 % of mass 95	54.1	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.7	
173	Less than 2.0 % of mass 174	0.4	(0.5)1
174	50.0 - 120.00 % of mass 95	75.0	
175	5.0 - 9.0 % of mass 174	5.6	(7.4)1
176	95.0 - 101.0 % of mass 174	71.8	(95.7)1
177	5.0 - 9.0 % of mass 176	5.0	(7.0)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 460-112625/2	d20300.d	05/03/2012	03:48
	IC 460-112625/3	d20301.d	05/03/2012	04:12
	ICIS 460-112625/4	d20302.d	05/03/2012	04:35
	IC 460-112625/5	d20303.d	05/03/2012	04:58
	IC 460-112625/6	d20304.d	05/03/2012	05:21
	IC 460-112625/7	d20305.d	05/03/2012	05:45

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

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Lab File ID: d20721.d BFB Injection Date: 05/17/2012

Instrument ID: VOAMS4 BFB Injection Time: 07:51

Analysis Batch No.: 112972

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	20.6	
75	30.0 - 60.0 % of mass 95	50.8	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.6	
173	Less than 2.0 % of mass 174	1.0	(1.2)1
174	50.0 - 120.00 % of mass 95	83.8	
175	5.0 - 9.0 % of mass 174	5.9	(7.0)1
176	95.0 - 101.0 % of mass 174	81.1	(96.8)1
177	5.0 - 9.0 % of mass 176	5.3	(6.5)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 460-112972/2	d20722.d	05/17/2012	08:09
	LCS 460-112972/3	d20723.d	05/17/2012	09:18
	MB 460-112972/4	d20726.d	05/17/2012	10:36
Trip Blank	460-40258-14	d20741.d	05/17/2012	16:23

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

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Sample No.: CCVIS 460-113081/2 Date Analyzed: 05/18/2012 04:03

Instrument ID: VOAMS12 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): o60375.d Heated Purge: (Y/N) Y

Calibration ID: 15443

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		552728	3.70	384013	7.27	238709	10.94
UPPER LIMIT		1105456	4.20	768026	7.77	477418	11.44
LOWER LIMIT		276364	3.20	192007	6.77	119355	10.44
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-113081/3		557462	3.70	393317	7.27	244495	10.94
LCSD 460-113081/4		591000	3.70	462379	7.27	267220	10.94
MB 460-113081/5		415111	3.71	351155	7.28	221135	10.94
LB3 460-112896/1-A		427537	3.71	340314	7.28	203850	10.94
460-40258-1	DB-1 23-23.5'	593525	3.71	484551	7.28	272995	10.94
460-40258-2	DB-1 34.5-35'	556398	3.71	430539	7.27	265044	10.94
460-40258-3	DB-2 13.5-14'	580461	3.71	464151	7.28	272037	10.94
460-40258-4	DB-2 34.5-35'	594215	3.71	480887	7.28	279249	10.94
460-40258-5	DB-3 20.5-21'	593477	3.71	477262	7.28	263147	10.94
460-40258-6	DB-3 30.5-31'	479394	3.71	424194	7.28	240718	10.94
460-40258-8	DB-5 35-35.5'	520871	3.71	442346	7.28	246667	10.94
460-40258-9	DB-5 49.5-50'	514974	3.71	422068	7.28	248794	10.94
460-40258-10	DB-6 15-15.5'	482853	3.71	431422	7.28	242841	10.94
460-40258-13	DB-6 39.5-40'	592147	3.71	442324	7.28	252188	10.94

FB = Fluorobenzene
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260B

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

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Sample No.: CCVIS 460-113082/2 Date Analyzed: 05/18/2012 04:17

Instrument ID: VOAMS2 GC Column: Rtx-624 ID: 0.25(mm)

Lab File ID (Standard): b42249.d Heated Purge: (Y/N) N

Calibration ID: 15313

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		588171	5.12	418439	8.53	223925	10.39
UPPER LIMIT		1176342	5.62	836878	9.03	447850	10.89
LOWER LIMIT		294086	4.62	209220	8.03	111963	9.89
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-113082/3		585324	5.12	417838	8.53	222508	10.39
MB 460-113082/4		546759	5.13	389651	8.53	196797	10.39
460-40258-7	DB-5 21-21.5'	663953	5.12	477818	8.52	251965	10.39
460-40258-12	DB-6 30-30.5'	666014	5.13	482776	8.52	267917	10.39

FB = Fluorobenzene
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260B

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

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Sample No.: CCVIS 460-112972/2 Date Analyzed: 05/17/2012 08:09

Instrument ID: VOAMS4 GC Column: Rtx-624 ID: 0.25(mm)

Lab File ID (Standard): d20722.d Heated Purge: (Y/N) N

Calibration ID: 15547

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		664448	4.62	467637	8.01	262968	9.97
UPPER LIMIT		1328896	5.12	935274	8.51	525936	10.47
LOWER LIMIT		332224	4.12	233819	7.51	131484	9.47
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-112972/3		626684	4.62	435983	8.01	239284	9.97
MB 460-112972/4		665171	4.62	441060	8.01	247962	9.97
460-40258-14	Trip Blank	570393	4.62	382750	8.01	214872	9.97

FB = Fluorobenzene
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260B

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Client Sample ID: DB-1 23-23.5' Lab Sample ID: 460-40258-1

Matrix: Solid Lab File ID: o60385.d

Analysis Method: 8260B Date Collected: 05/10/2012 12:35

Sample wt/vol: 4.99(g) Date Analyzed: 05/18/2012 09:03

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: 14.1 Level: (low/med) Low

Analysis Batch No.: 113081 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-15-0	Carbon disulfide	3.7		1.2	0.17
127-18-4	Tetrachloroethene	0.14	U	1.2	0.14
78-87-5	1,2-Dichloropropane	0.17	U	1.2	0.17
108-10-1	4-Methyl-2-pentanone	0.23	U	12	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.13	U	1.2	0.13
124-48-1	Dibromochloromethane	0.12	U	1.2	0.12
120-82-1	1,2,4-Trichlorobenzene	0.22	U	1.2	0.22
100-42-5	Styrene	0.33	U	1.2	0.33
87-61-6	1,2,3-Trichlorobenzene	0.19	U	1.2	0.19
79-34-5	1,1,2,2-Tetrachloroethane	0.10	U	1.2	0.10
75-00-3	Chloroethane	0.38	U	1.2	0.38
78-93-3	2-Butanone	6.2	J	12	0.73
98-82-8	Isopropylbenzene	0.88	J	1.2	0.13
71-55-6	1,1,1-Trichloroethane	0.15	U	1.2	0.15
71-43-2	Benzene	0.25	J	1.2	0.17
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1.2	0.16
74-97-5	Bromochloromethane	0.13	U	1.2	0.13
75-25-2	Bromoform	0.20	U	1.2	0.20
75-34-3	1,1-Dichloroethane	0.13	U	1.2	0.13
107-06-2	1,2-Dichloroethane	0.21	U	1.2	0.21
79-00-5	1,1,2-Trichloroethane	0.16	U	1.2	0.16
67-64-1	Acetone	80	B	12	2.0
79-20-9	Methyl acetate	0.37	U	1.2	0.37
75-71-8	Dichlorodifluoromethane	0.26	U	1.2	0.26
75-09-2	Methylene Chloride	3.3	B	1.2	0.17
74-87-3	Chloromethane	0.19	U	1.2	0.19
74-83-9	Bromomethane	0.50	U	1.2	0.50
108-88-3	Toluene	0.38	J B	1.2	0.16
95-47-6	o-Xylene	0.35	J	1.2	0.22
108-90-7	Chlorobenzene	1.2		1.2	0.21
96-12-8	1,2-Dibromo-3-Chloropropane	0.51	U	1.2	0.51
541-73-1	1,3-Dichlorobenzene	0.19	U	1.2	0.19
1634-04-4	MTBE	0.13	U	1.2	0.13
156-60-5	trans-1,2-Dichloroethene	0.36	J	1.2	0.15
123-91-1	1,4-Dioxane	15	U	58	15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-40258-1

SDG No.:

Client Sample ID: DB-1 23-23.5' | Lab Sample ID: 460-40258-1

Matrix: Solid | Lab File ID: o60385.d

Analysis Method: 8260B | Date Collected: 05/10/2012 12:35

Sample wt/vol: 4.99(g) | Date Analyzed: 05/18/2012 09:03

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 14.1 | Level: (low/med) Low

Analysis Batch No.: 113081 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-35-4	1,1-Dichloroethene	0.22	U	1.2	0.22
95-50-1	1,2-Dichlorobenzene	0.12	U	1.2	0.12
79-01-6	Trichloroethene	0.14	U	1.2	0.14
591-78-6	2-Hexanone	0.15	U	12	0.15
100-41-4	Ethylbenzene	9.5		1.2	0.20
108-87-2	Methylcyclohexane	0.12	U	1.2	0.12
75-69-4	Trichlorofluoromethane	0.19	U	1.2	0.19
110-82-7	Cyclohexane	0.15	U	1.2	0.15
10061-02-6	trans-1,3-Dichloropropene	0.12	U	1.2	0.12
156-59-2	cis-1,2-Dichloroethene	0.13	U	1.2	0.13
67-66-3	Chloroform	0.28	U	1.2	0.28
179601-23-1	m&p-Xylene	0.69	U	2.3	0.69
75-01-4	Vinyl chloride	0.40	U	1.2	0.40
106-93-4	1,2-Dibromoethane	0.17	U	1.2	0.17
56-23-5	Carbon tetrachloride	0.17	U	1.2	0.17
106-46-7	1,4-Dichlorobenzene	0.13	U	1.2	0.13
75-27-4	Bromodichloromethane	0.37	U	1.2	0.37
104-51-8	n-Butylbenzene	0.093	U	1.2	0.093
95-63-6	1,2,4-Trimethylbenzene	0.17	U	1.2	0.17
135-98-8	sec-Butylbenzene	0.15	U	1.2	0.15
103-65-1	N-Propylbenzene	0.75	J	1.2	0.17
108-67-8	1,3,5-Trimethylbenzene	0.14	U	1.2	0.14
98-06-6	tert-Butylbenzene	0.14	U	1.2	0.14
99-87-6	p-Isopropyltoluene	0.16	U	1.2	0.16

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	Bromofluorobenzene	98		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	113		70-130
2037-26-5	Toluene-d8 (Surr)	107		70-130

Data File: /chem/VOAMS12.i/8260L_10/05-03-12/18may12.b/o60385.d
Report Date: 22-May-2012 08:47

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS12.i/8260L_10/05-03-12/18may12.b/o60385.d
Lab Smp Id: 460-40258-A-1-C Client Smp ID: DB-1 23-23.5'
Inj Date : 18-MAY-2012 09:03
Operator : VOAMS 9 Inst ID: VOAMS12.i
Smp Info : 460-40258-A-1-C;;;4.99;5
Misc Info : 460-40258-A-1-C
Comment   :
Method   : /chem/VOAMS12.i/8260L_10/05-03-12/18may12.b/8260L_10.m
Meth Date : 18-May-2012 04:32 audberto Quant Type: ISTD
Cal Date : 03-MAY-2012 18:57 Cal File: o59879.d
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	4.99000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
M	14 1,2-Dichloroethene (total)	100				1544	0.31061	0.31(a)
	7 Acetone	43	1.654	1.654	(0.446)	66258	68.8134	69
	8 Carbon Disulfide	76	1.733	1.733	(0.467)	45161	3.17598	3.2
	6 Methylene Chloride	84	1.897	1.897	(0.511)	13551	2.79756	2.8
	12 trans-1,2-Dichloroethene	96	2.062	2.055	(0.556)	1544	0.31061	0.31(a)
	18 2-Butanone	72	2.779	2.771	(0.749)	2365	5.29583	5.3(a)
$	16 1,2-Dichloroethane-d4 (SUR)	65	3.409	3.409	(0.919)	137991	56.7281	57
	28 Benzene	78	3.452	3.445	(0.930)	3739	0.21056	0.21(a)
*	69 Fluorobenzene	96	3.710	3.703	(1.000)	593525	50.0000	
$	37 Toluene-d8 (SUR)	98	5.386	5.386	(0.740)	526409	53.3067	53
	38 Toluene	91	5.465	5.465	(0.751)	6604	0.32808	0.33(a)
*	32 Chlorobenzene-d5	117	7.277	7.270	(1.000)	484551	50.0000	
	39 Chlorobenzene	112	7.306	7.313	(1.004)	14179	1.03854	1.0(a)
	40 Ethylbenzene	106	7.513	7.513	(1.032)	59747	8.12472	8.1

Data File: /chem/VOAMS12.i/8260L_10/05-03-12/18may12.b/o60385.d
Report Date: 22-May-2012 08:47

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
	44 o-Xylene	106	8.273	8.273	(1.137)	2587	0.29945	0.30(a)
	110 Isopropylbenzene	105	8.874	8.867	(1.220)	18301	0.75284	0.75(a)
$	41 Bromofluorobenzene (SUR)	174	9.075	9.075	(0.830)	182749	49.2096	49
	112 n-Propylbenzene	91	9.526	9.526	(0.871)	18451	0.64659	0.65(a)
*	91 1,4-Dichlorobenzene-d4	152	10.937	10.937	(1.000)	272995	50.0000	
	70 Naphthalene	128	13.480	13.480	(1.232)	21995	1.32398	1.3

QC Flag Legend

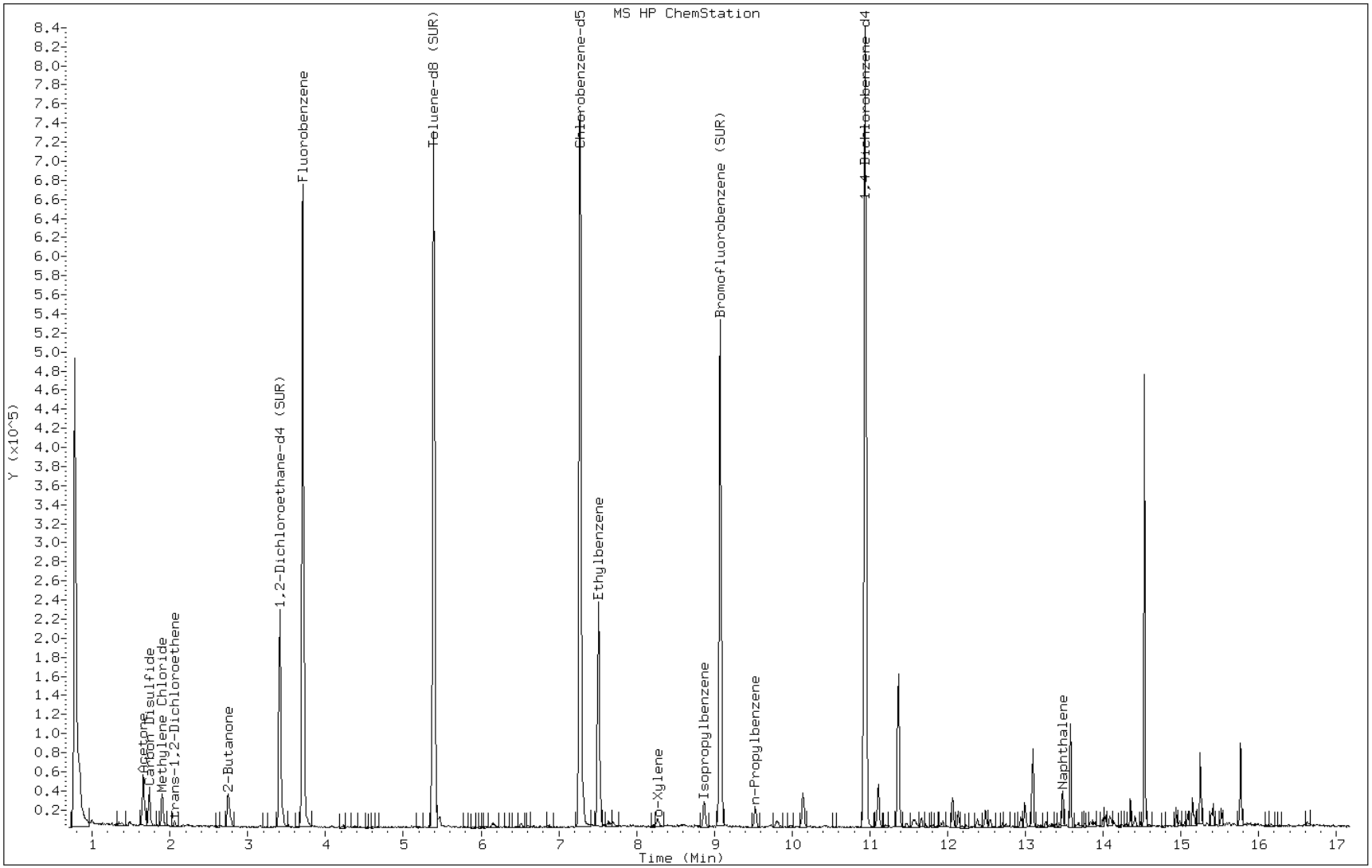
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: o60385.d

Date: 18-MAY-2012 09:03

Client ID: DB-1 23-23.5' Instrument: VOAMS12.i

Sample Info: 460-40258-A-1-C;;;4.99;5 Operator: VOAMS 9



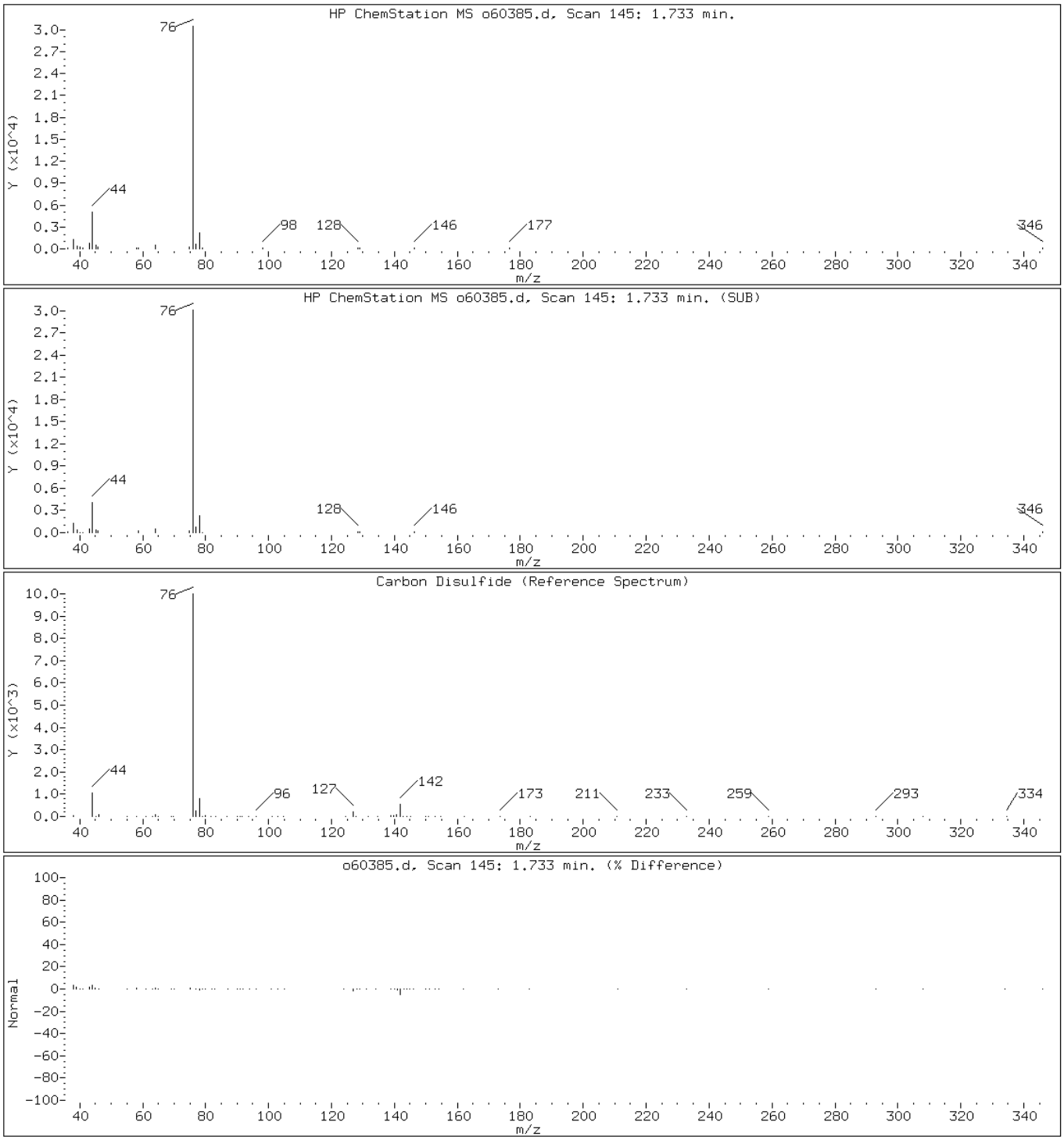
Data File: o60385.d

Date: 18-MAY-2012 09:03

Client ID: DB-1 23-23.5' Instrument: VOAMS12.i

Sample Info: 460-40258-A-1-C;;;4.99;5 Operator: VOAMS 9

8 Carbon Disulfide



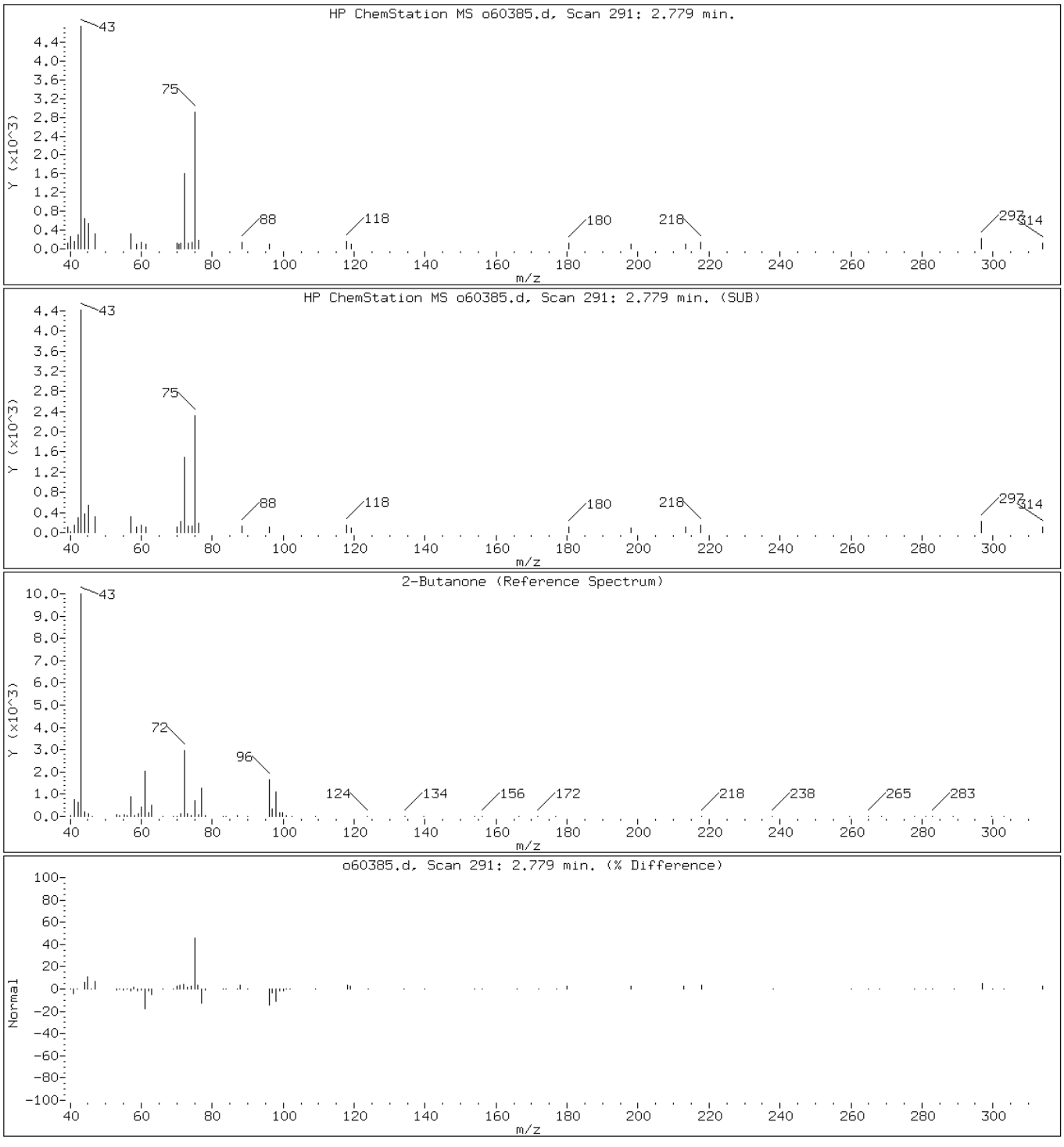
Data File: o60385.d

Date: 18-MAY-2012 09:03

Client ID: DB-1 23-23.5' Instrument: VOAMS12.i

Sample Info: 460-40258-A-1-C;;;4.99;5 Operator: VOAMS 9

18 2-Butanone



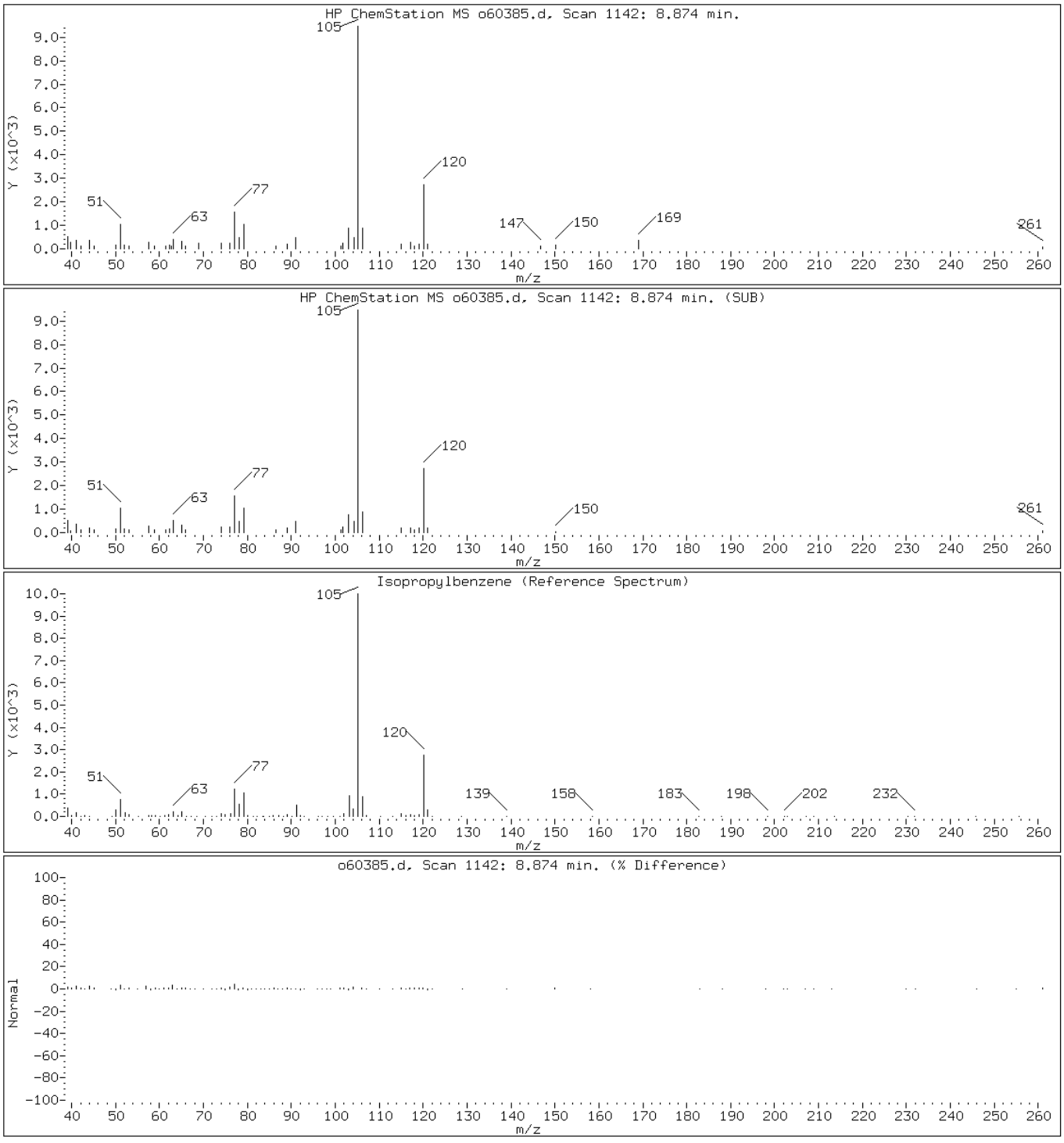
Data File: o60385.d

Date: 18-MAY-2012 09:03

Client ID: DB-1 23-23.5' Instrument: VOAMS12.i

Sample Info: 460-40258-A-1-C;;;4.99;5 Operator: VOAMS 9

110 Isopropylbenzene



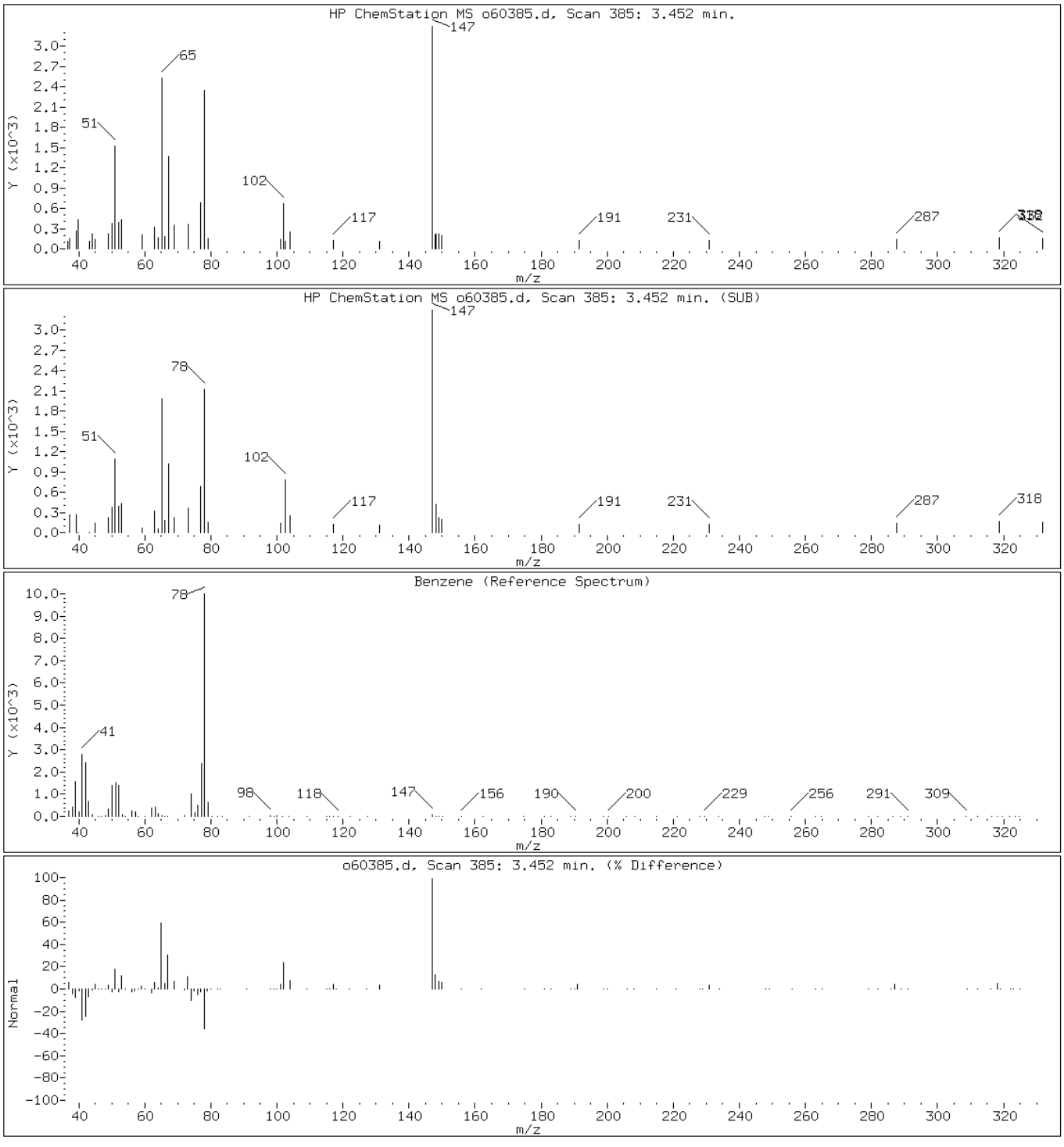
Data File: o60385.d

Date: 18-MAY-2012 09:03

Client ID: DB-1 23-23.5' Instrument: VOAMS12.i

Sample Info: 460-40258-A-1-C;;;4.99;5 Operator: VOAMS 9

28 Benzene



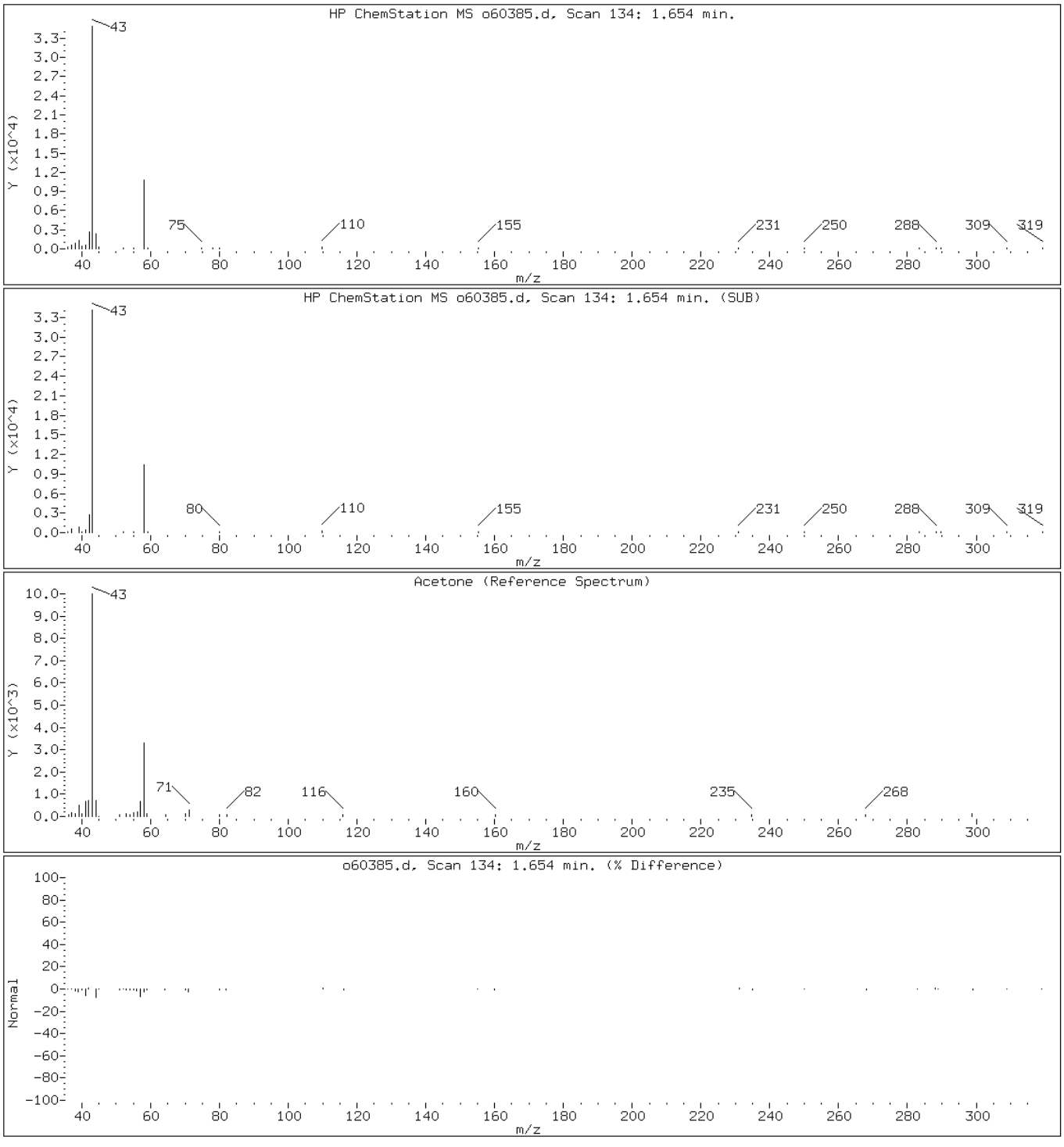
Data File: o60385.d

Date: 18-MAY-2012 09:03

Client ID: DB-1 23-23.5' Instrument: VOAMS12.i

Sample Info: 460-40258-A-1-C;;;4.99;5 Operator: VOAMS 9

7 Acetone



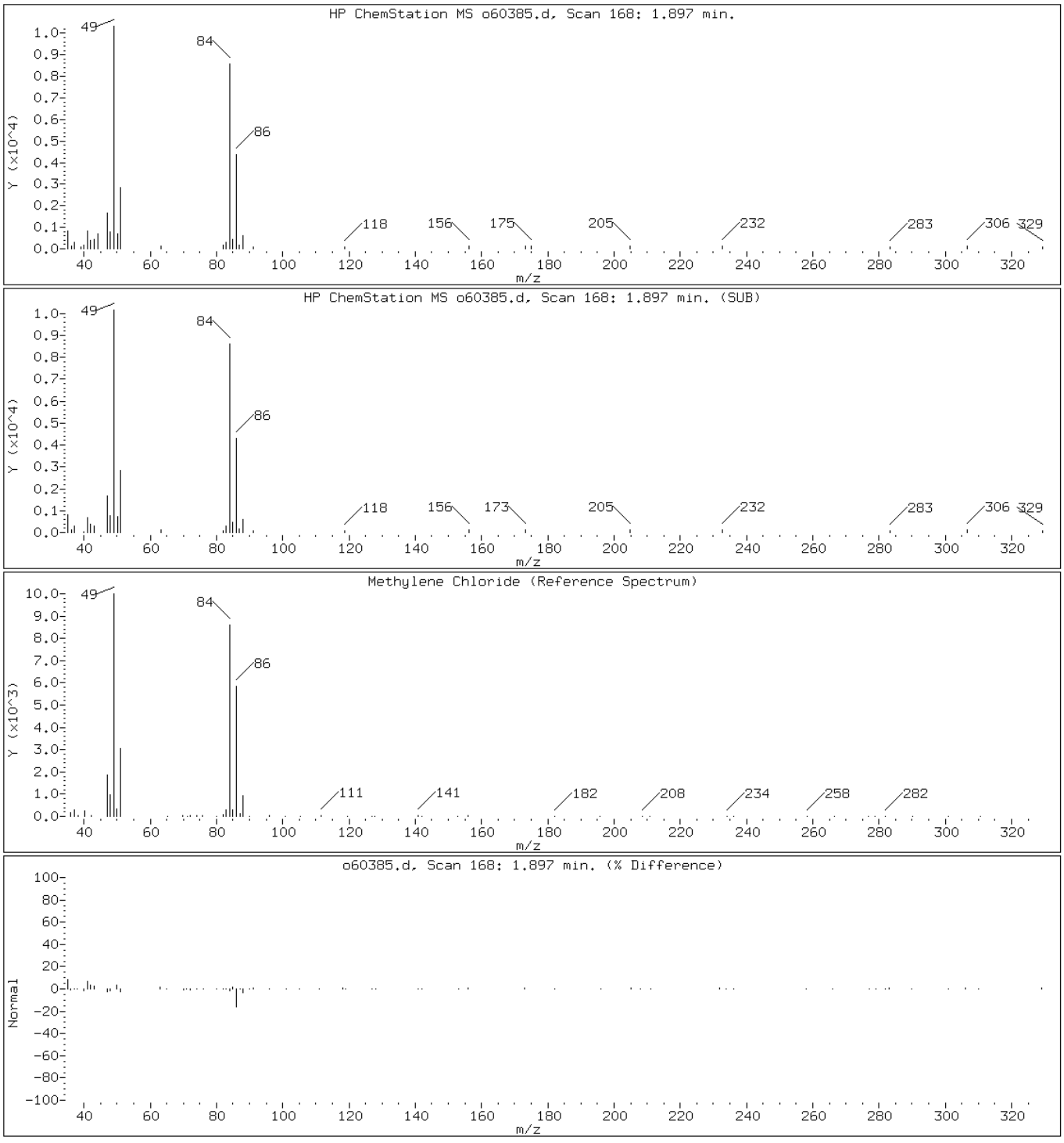
Data File: o60385.d

Date: 18-MAY-2012 09:03

Client ID: DB-1 23-23.5' Instrument: VOAMS12.i

Sample Info: 460-40258-A-1-C;;;4.99;5 Operator: VOAMS 9

6 Methylene Chloride



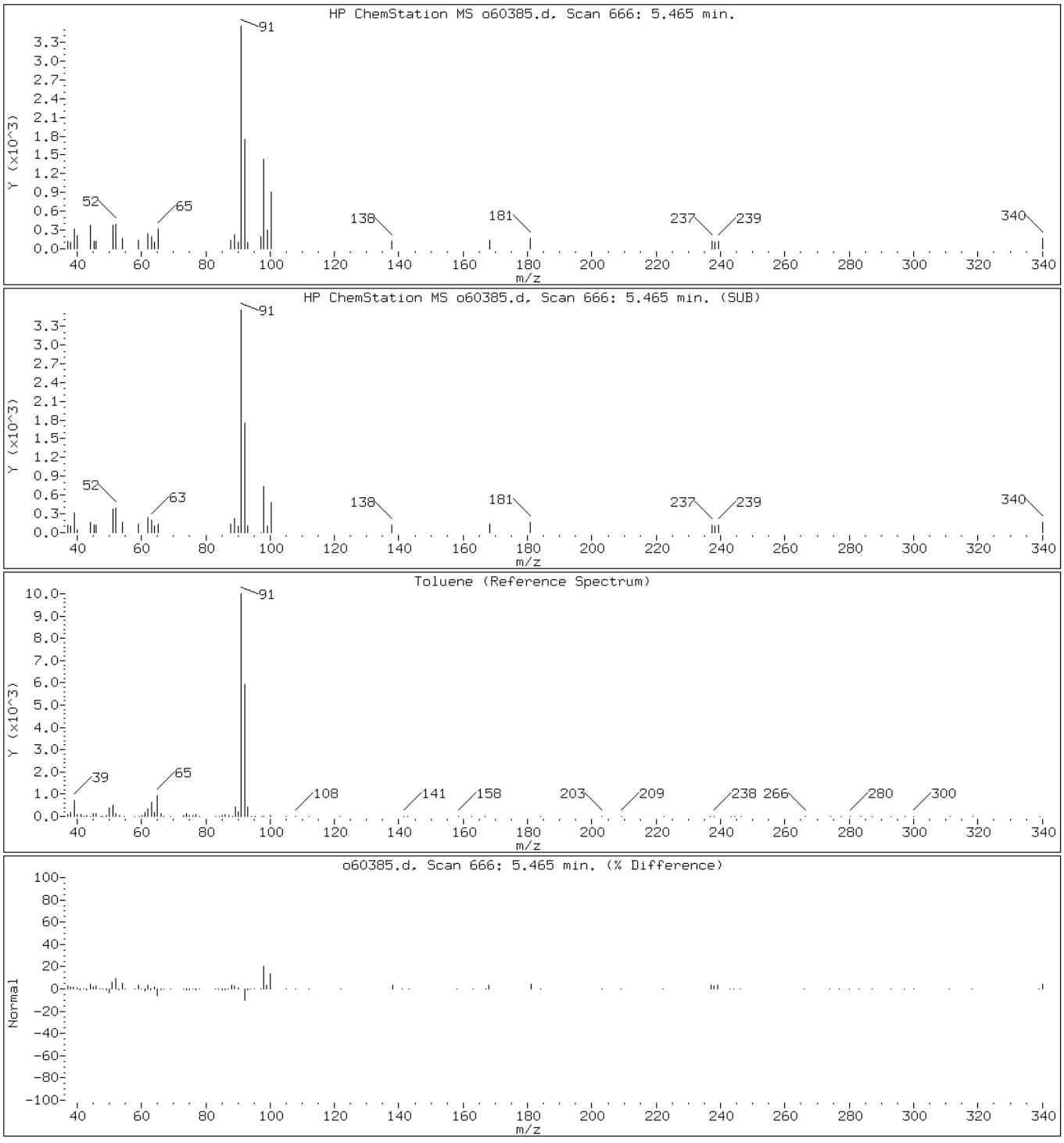
Data File: o60385.d

Date: 18-MAY-2012 09:03

Client ID: DB-1 23-23.5' Instrument: VOAMS12.i

Sample Info: 460-40258-A-1-C;;;4.99;5 Operator: VOAMS 9

38 Toluene



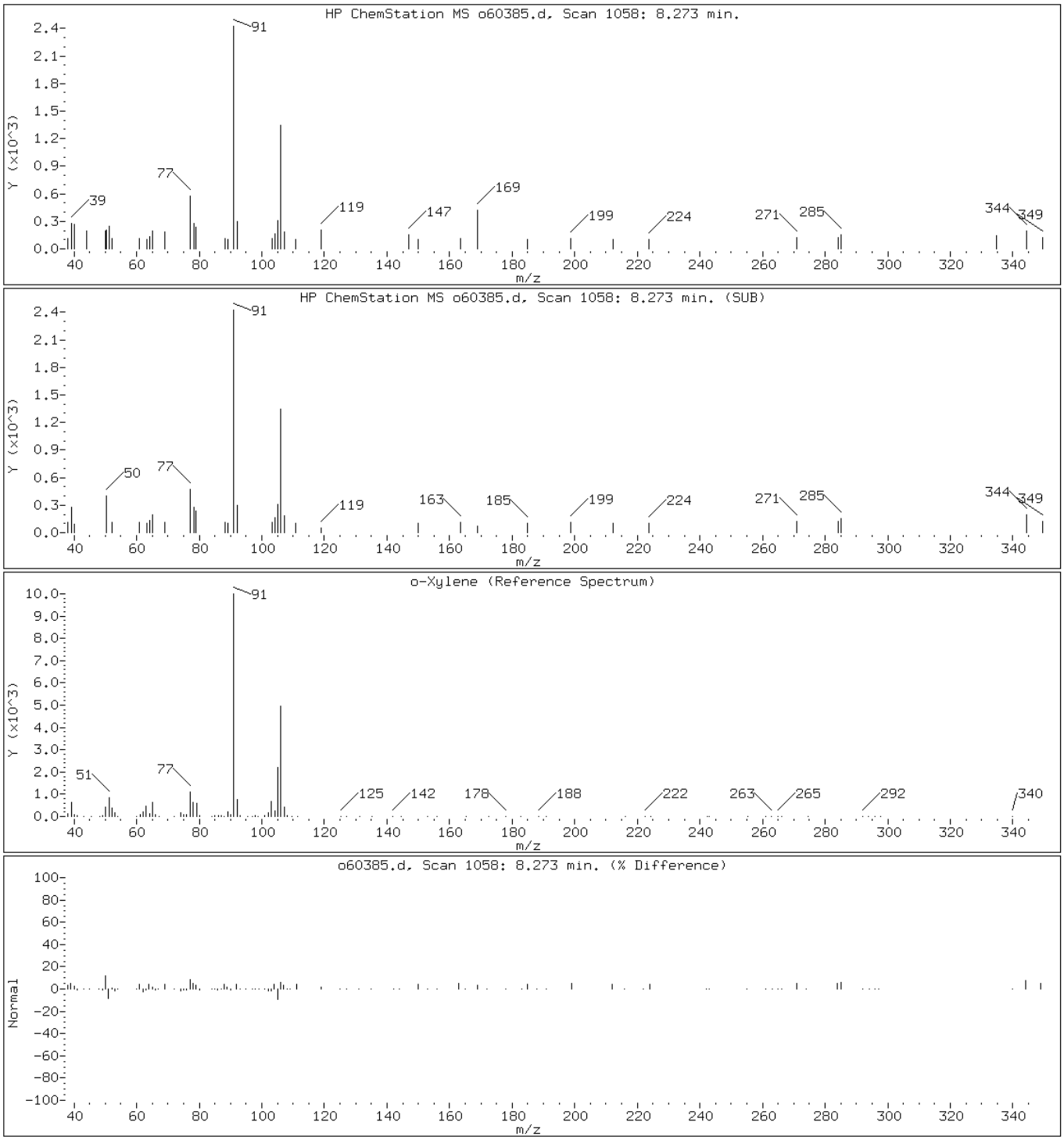
Data File: o60385.d

Date: 18-MAY-2012 09:03

Client ID: DB-1 23-23.5' Instrument: VOAMS12.i

Sample Info: 460-40258-A-1-C;;;4.99;5 Operator: VOAMS 9

44 o-Xylene



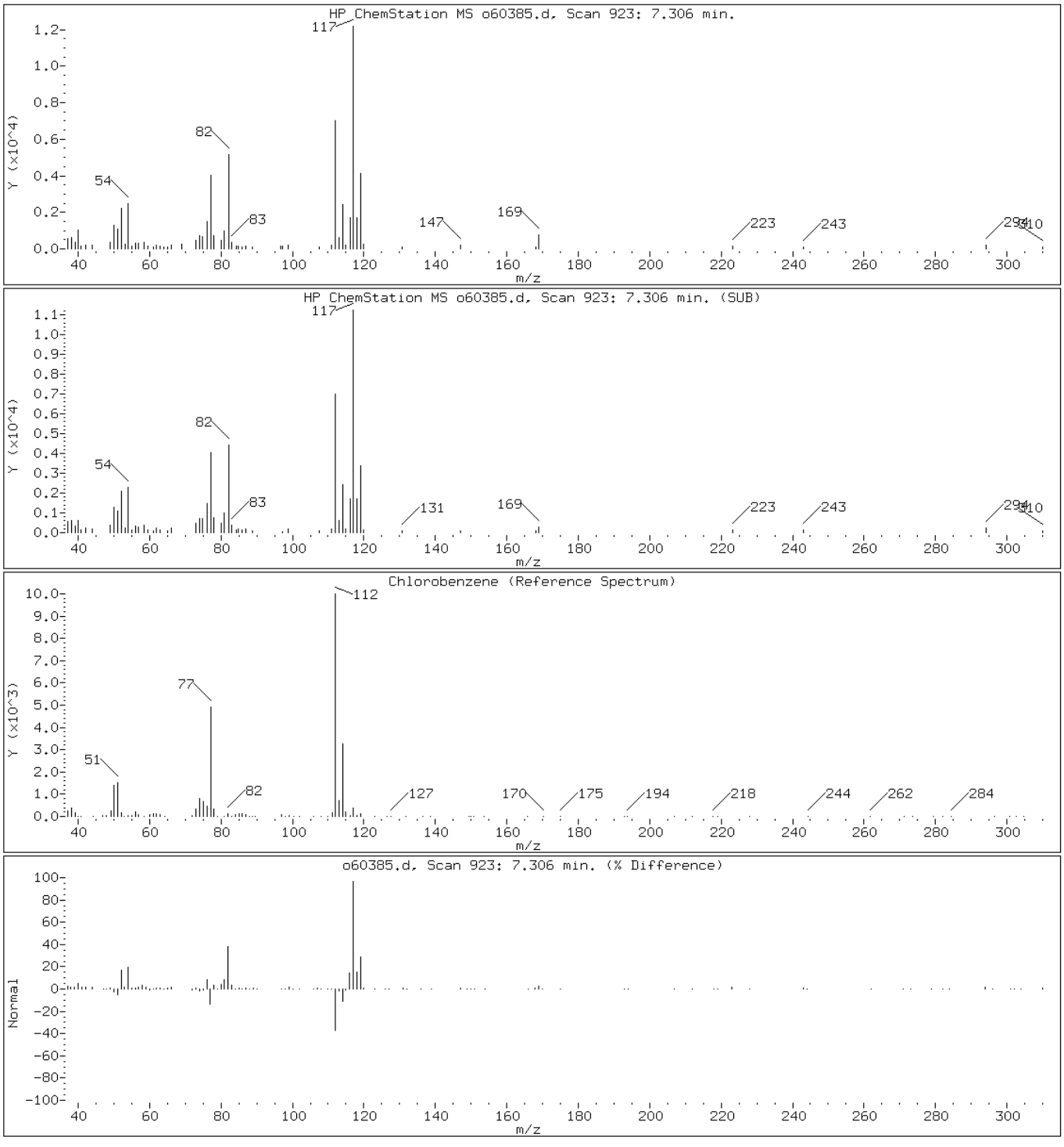
Data File: o60385.d

Date: 18-MAY-2012 09:03

Client ID: DB-1 23-23.5' Instrument: VOAMS12.i

Sample Info: 460-40258-A-1-C;;;4.99;5 Operator: VOAMS 9

39 Chlorobenzene



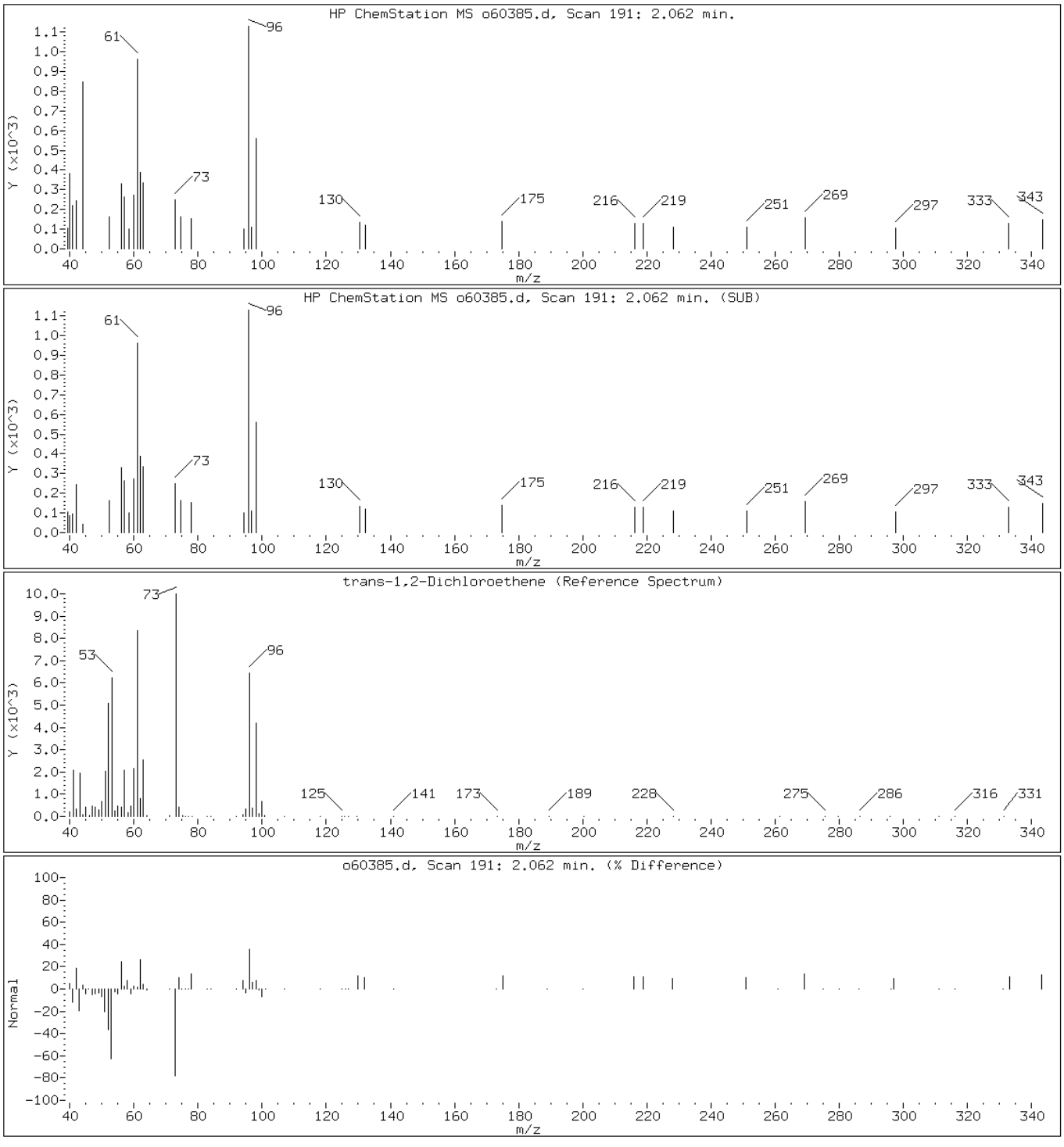
Data File: o60385.d

Date: 18-MAY-2012 09:03

Client ID: DB-1 23-23.5' Instrument: VOAMS12.i

Sample Info: 460-40258-A-1-C;;;4.99;5 Operator: VOAMS 9

12 trans-1,2-Dichloroethene



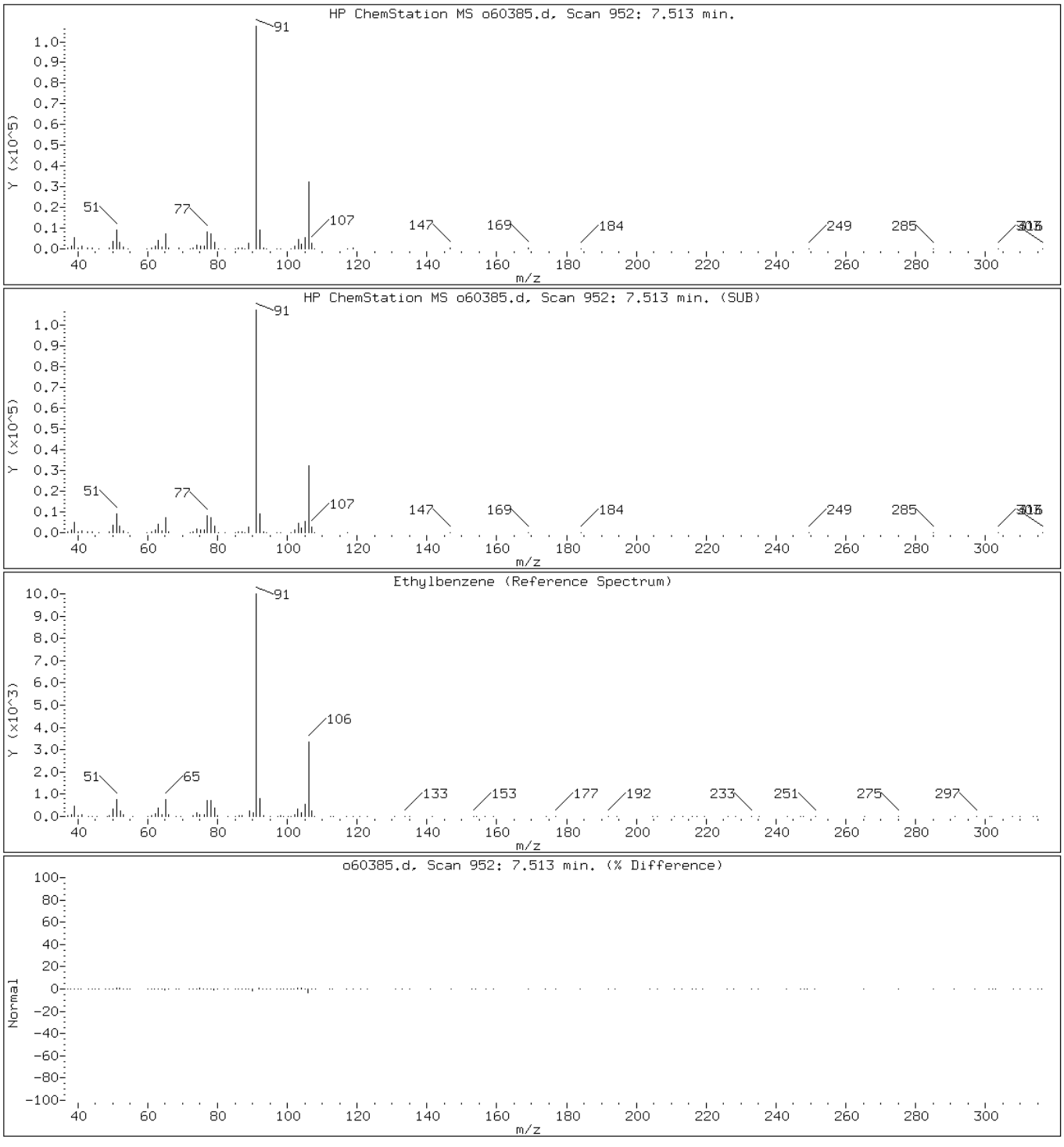
Data File: o60385.d

Date: 18-MAY-2012 09:03

Client ID: DB-1 23-23.5' Instrument: VOAMS12.i

Sample Info: 460-40258-A-1-C;;;4.99;5 Operator: VOAMS 9

40 Ethylbenzene



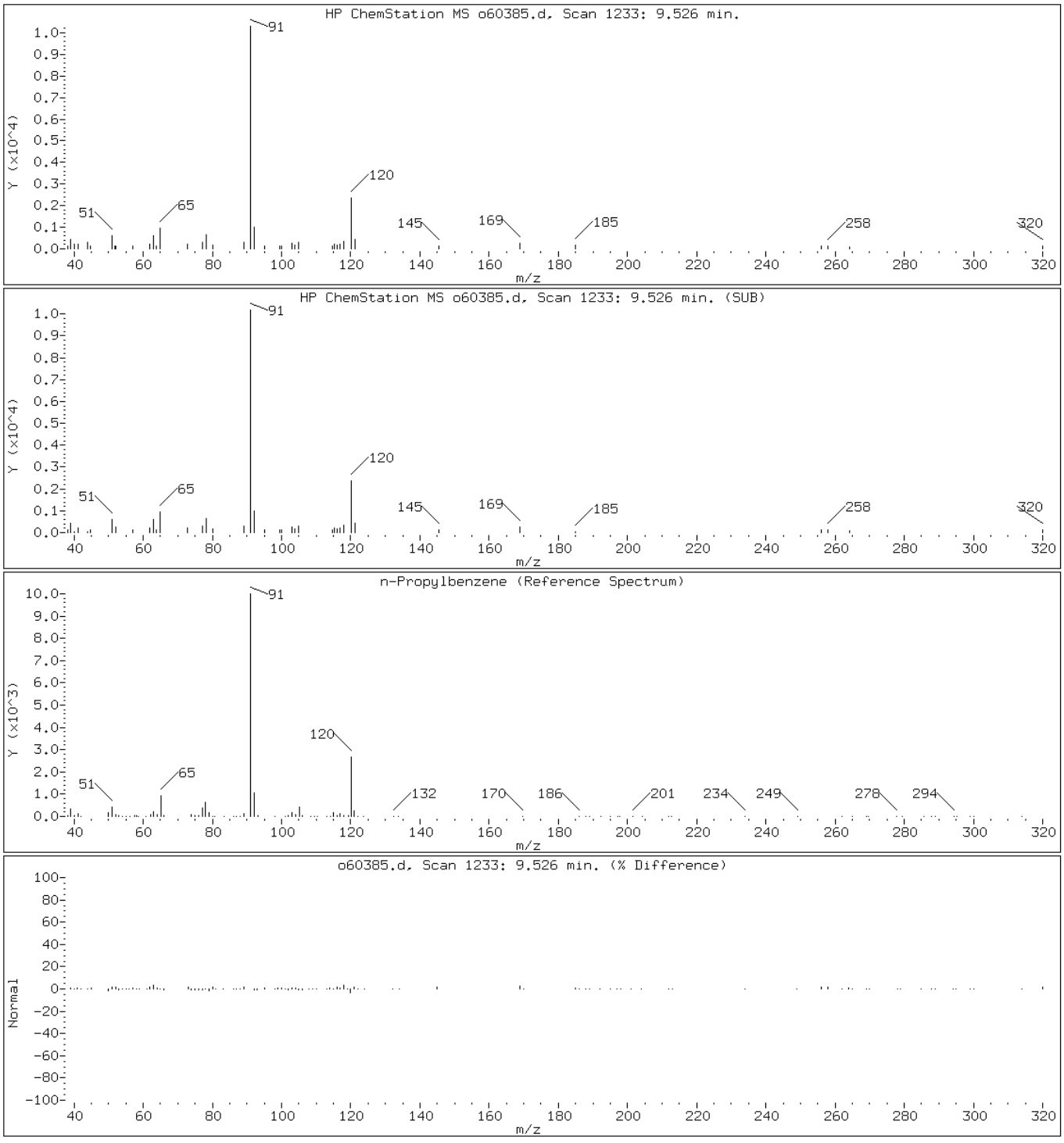
Data File: o60385.d

Date: 18-MAY-2012 09:03

Client ID: DB-1 23-23.5' Instrument: VOAMS12.i

Sample Info: 460-40258-A-1-C;;;4.99;5 Operator: VOAMS 9

112 n-Propylbenzene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-40258-1

SDG No.:

Client Sample ID: DB-1 34.5-35' | Lab Sample ID: 460-40258-2

Matrix: Solid | Lab File ID: o60386.d

Analysis Method: 8260B | Date Collected: 05/10/2012 12:45

Sample wt/vol: 5.59(g) | Date Analyzed: 05/18/2012 09:28

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 16.6 | Level: (low/med) Low

Analysis Batch No.: 113081 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-15-0	Carbon disulfide	3.6		1.1	0.16
127-18-4	Tetrachloroethene	0.13	U	1.1	0.13
78-87-5	1,2-Dichloropropane	0.16	U	1.1	0.16
108-10-1	4-Methyl-2-pentanone	0.21	U	11	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.12	U	1.1	0.12
124-48-1	Dibromochloromethane	0.11	U	1.1	0.11
120-82-1	1,2,4-Trichlorobenzene	0.20	U	1.1	0.20
100-42-5	Styrene	0.30	U	1.1	0.30
87-61-6	1,2,3-Trichlorobenzene	0.17	U	1.1	0.17
79-34-5	1,1,2,2-Tetrachloroethane	0.097	U	1.1	0.097
75-00-3	Chloroethane	0.35	U	1.1	0.35
78-93-3	2-Butanone	0.68	U	11	0.68
98-82-8	Isopropylbenzene	0.35	J	1.1	0.12
71-55-6	1,1,1-Trichloroethane	0.14	U	1.1	0.14
71-43-2	Benzene	0.16	U	1.1	0.16
10061-01-5	cis-1,3-Dichloropropene	0.15	U	1.1	0.15
74-97-5	Bromochloromethane	0.12	U	1.1	0.12
75-25-2	Bromoform	0.18	U	1.1	0.18
75-34-3	1,1-Dichloroethane	0.12	U	1.1	0.12
107-06-2	1,2-Dichloroethane	0.19	U	1.1	0.19
79-00-5	1,1,2-Trichloroethane	0.15	U	1.1	0.15
67-64-1	Acetone	62	B	11	1.8
79-20-9	Methyl acetate	0.34	U	1.1	0.34
75-71-8	Dichlorodifluoromethane	0.24	U	1.1	0.24
75-09-2	Methylene Chloride	5.9	B	1.1	0.16
74-87-3	Chloromethane	0.17	U	1.1	0.17
74-83-9	Bromomethane	0.46	U	1.1	0.46
108-88-3	Toluene	0.51	J B	1.1	0.15
95-47-6	o-Xylene	0.20	U	1.1	0.20
108-90-7	Chlorobenzene	1.5		1.1	0.19
96-12-8	1,2-Dibromo-3-Chloropropane	0.47	U	1.1	0.47
541-73-1	1,3-Dichlorobenzene	0.17	U	1.1	0.17
1634-04-4	MTBE	0.12	U	1.1	0.12
156-60-5	trans-1,2-Dichloroethene	0.14	U	1.1	0.14
123-91-1	1,4-Dioxane	14	U	54	14

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-40258-1

SDG No.:

Client Sample ID: DB-1 34.5-35' | Lab Sample ID: 460-40258-2

Matrix: Solid | Lab File ID: o60386.d

Analysis Method: 8260B | Date Collected: 05/10/2012 12:45

Sample wt/vol: 5.59(g) | Date Analyzed: 05/18/2012 09:28

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 16.6 | Level: (low/med) Low

Analysis Batch No.: 113081 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-35-4	1,1-Dichloroethene	0.26	J	1.1	0.20
95-50-1	1,2-Dichlorobenzene	0.11	U	1.1	0.11
79-01-6	Trichloroethene	0.13	U	1.1	0.13
591-78-6	2-Hexanone	0.14	U	11	0.14
100-41-4	Ethylbenzene	0.31	J	1.1	0.18
108-87-2	Methylcyclohexane	0.27	J	1.1	0.11
75-69-4	Trichlorofluoromethane	0.17	U	1.1	0.17
110-82-7	Cyclohexane	0.14	U	1.1	0.14
10061-02-6	trans-1,3-Dichloropropene	0.11	U	1.1	0.11
156-59-2	cis-1,2-Dichloroethene	2.2		1.1	0.12
67-66-3	Chloroform	0.26	U	1.1	0.26
179601-23-1	m&p-Xylene	0.63	U	2.1	0.63
75-01-4	Vinyl chloride	0.93	J	1.1	0.36
106-93-4	1,2-Dibromoethane	0.16	U	1.1	0.16
56-23-5	Carbon tetrachloride	0.16	U	1.1	0.16
106-46-7	1,4-Dichlorobenzene	0.12	U	1.1	0.12
75-27-4	Bromodichloromethane	0.34	U	1.1	0.34
104-51-8	n-Butylbenzene	0.086	U	1.1	0.086
95-63-6	1,2,4-Trimethylbenzene	0.16	U	1.1	0.16
135-98-8	sec-Butylbenzene	0.14	U	1.1	0.14
103-65-1	N-Propylbenzene	0.16	U	1.1	0.16
108-67-8	1,3,5-Trimethylbenzene	0.13	U	1.1	0.13
98-06-6	tert-Butylbenzene	0.13	U	1.1	0.13
99-87-6	p-Isopropyltoluene	0.15	U	1.1	0.15

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	Bromofluorobenzene	97		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	118		70-130
2037-26-5	Toluene-d8 (Surr)	110		70-130

Data File: /chem/VOAMS12.i/8260L_10/05-03-12/18may12.b/o60386.d
Report Date: 22-May-2012 08:54

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS12.i/8260L_10/05-03-12/18may12.b/o60386.d
Lab Smp Id: 460-40258-A-2-C Client Smp ID: DB-1 34.5-35'
Inj Date : 18-MAY-2012 09:28
Operator : VOAMS 9 Inst ID: VOAMS12.i
Smp Info : 460-40258-A-2-C;;;5.59;5
Misc Info : 460-40258-A-2-C
Comment   :
Method   : /chem/VOAMS12.i/8260L_10/05-03-12/18may12.b/8260L_10.m
Meth Date : 18-May-2012 04:32 audberto Quant Type: ISTD
Cal Date : 03-MAY-2012 18:57 Cal File: o59879.d
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	5.59000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
M	14 1,2-Dichloroethene (total)	100				10174	2.08167	1.9
	4 Vinyl Chloride	62	1.009	1.009	(0.272)	4804	0.86707	0.78(a)
	10 1,1-Dichloroethene	96	1.611	1.611	(0.434)	909	0.23921	0.21(a)
	7 Acetone	43	1.654	1.654	(0.446)	52225	57.8585	52
	8 Carbon Disulfide	76	1.733	1.733	(0.467)	44247	3.31934	3.0
	6 Methylene Chloride	84	1.898	1.897	(0.511)	24942	5.49279	4.9
	13 cis-1,2-Dichloroethene	96	2.750	2.750	(0.741)	10174	2.08167	1.9
$	16 1,2-Dichloroethane-d4 (SUR)	65	3.409	3.409	(0.919)	134855	59.1381	53
*	69 Fluorobenzene	96	3.710	3.703	(1.000)	556398	50.0000	
	126 Methyl cyclohexane	83	4.226	4.225	(1.139)	1821	0.25400	0.23(a)
$	37 Toluene-d8 (SUR)	98	5.393	5.386	(0.742)	481191	54.8407	49
	38 Toluene	91	5.465	5.465	(0.752)	8464	0.47323	0.42(a)
*	32 Chlorobenzene-d5	117	7.270	7.270	(1.000)	430539	50.0000	
	39 Chlorobenzene	112	7.313	7.313	(1.006)	16586	1.36724	1.2

Data File: /chem/VOAMS12.i/8260L_10/05-03-12/18may12.b/o60386.d
Report Date: 22-May-2012 08:54

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
	40 Ethylbenzene	106	7.513	7.513	(1.033)	1860	0.28466	0.25(a)
	110 Isopropylbenzene	105	8.867	8.867	(1.220)	7003	0.32422	0.29(a)
$	41 Bromofluorobenzene (SUR)	174	9.075	9.075	(0.830)	175110	48.5671	43
*	91 1,4-Dichlorobenzene-d4	152	10.937	10.937	(1.000)	265044	50.0000	

QC Flag Legend

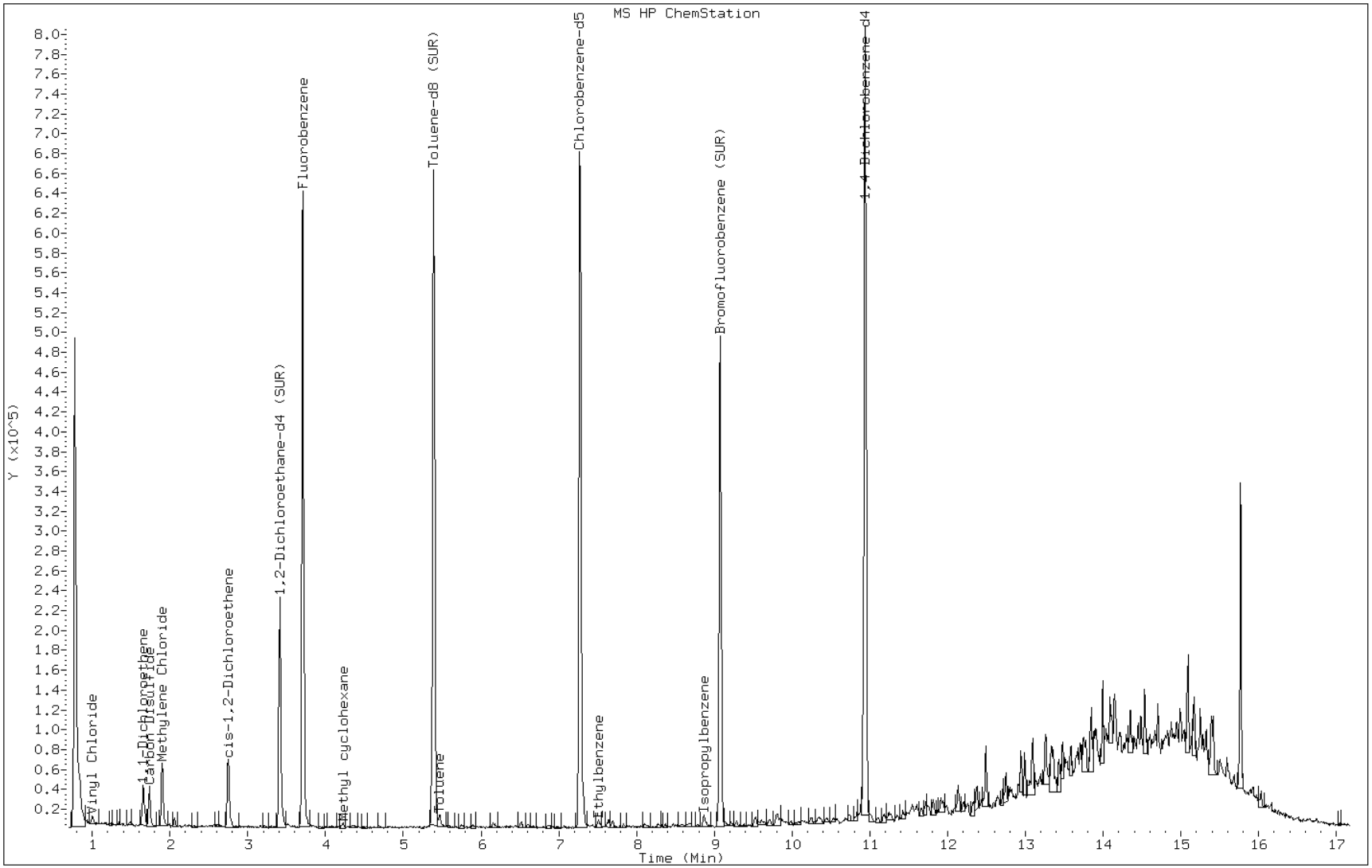
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: o60386.d

Date: 18-MAY-2012 09:28

Client ID: DB-1 34.5-35' Instrument: VOAMS12.i

Sample Info: 460-40258-A-2-C;;;5.59;5 Operator: VOAMS 9



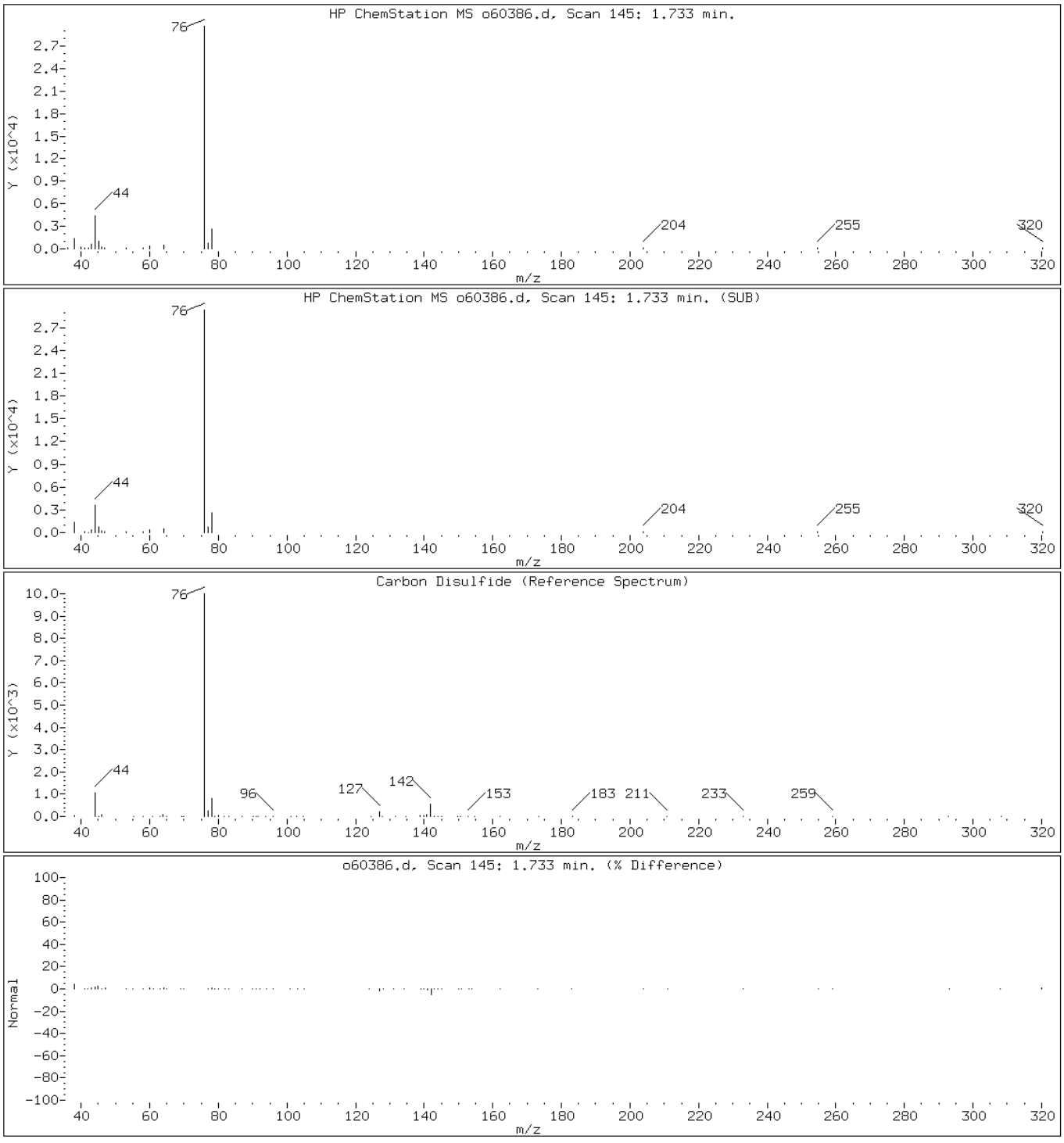
Data File: o60386.d

Date: 18-MAY-2012 09:28

Client ID: DB-1 34.5-35' Instrument: VOAMS12.i

Sample Info: 460-40258-A-2-C;;;5.59;5 Operator: VOAMS 9

8 Carbon Disulfide



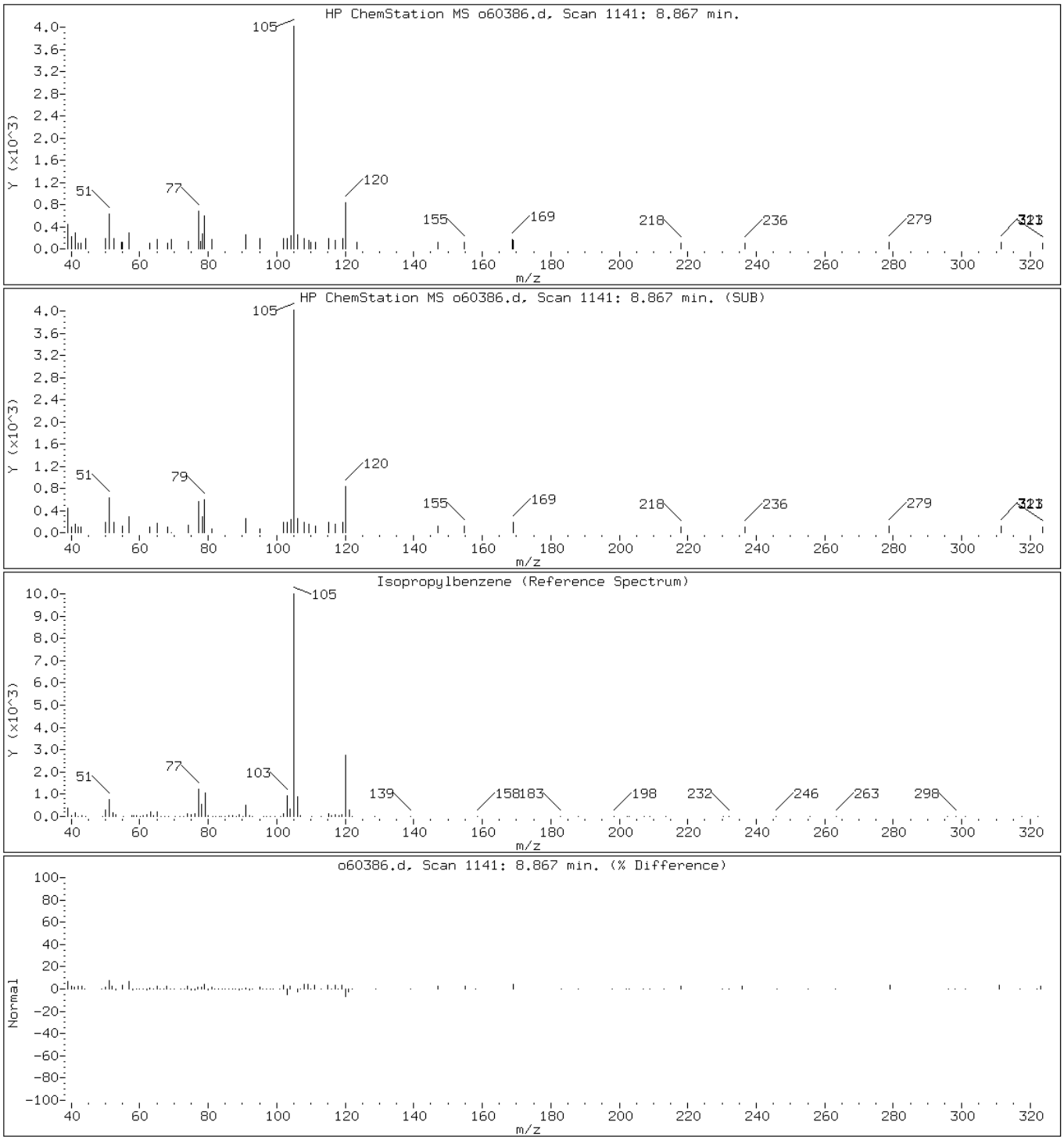
Data File: o60386.d

Date: 18-MAY-2012 09:28

Client ID: DB-1 34.5-35' Instrument: VOAMS12.i

Sample Info: 460-40258-A-2-C;;;5.59;5 Operator: VOAMS 9

110 Isopropylbenzene



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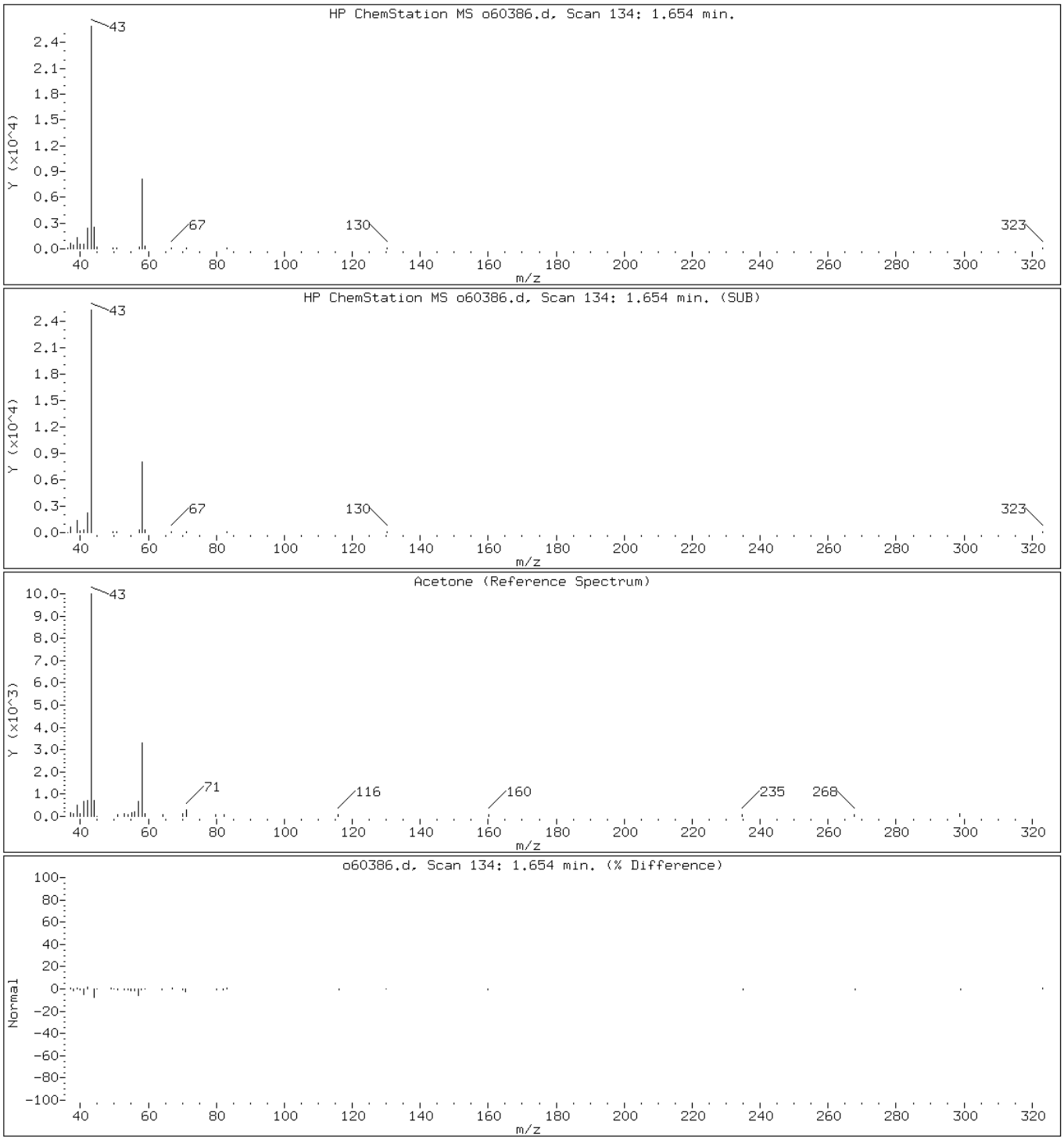
Date: 18-MAY-2012 09:28

Client ID: DB-1 34.5-35' Instrument: VOAMS12.i

Sample Info: 460-40258-A-2-C;;;5.59;5 Operator: VOAMS 9

7 Acetone



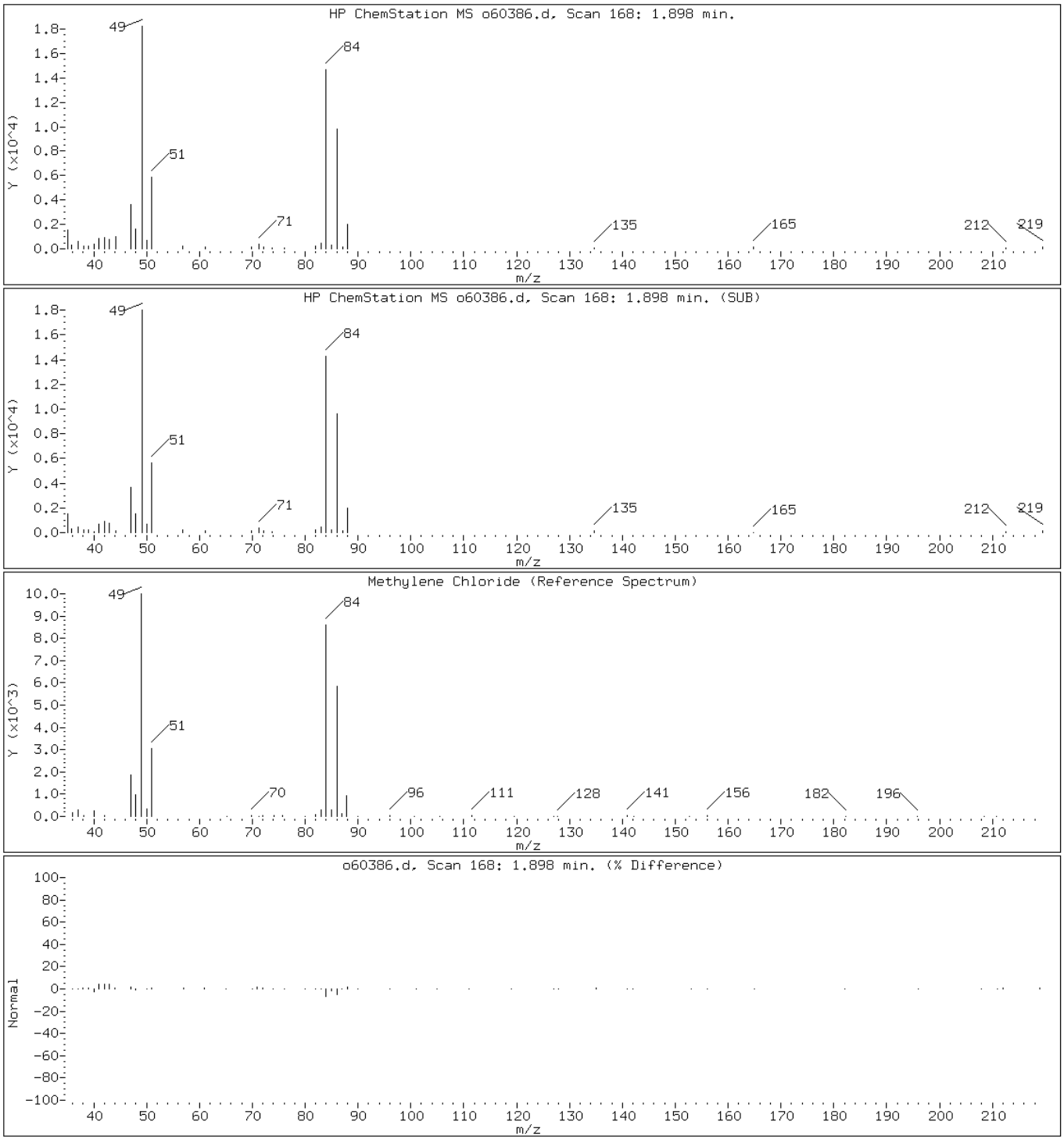
Data File: o60386.d

Date: 18-MAY-2012 09:28

Client ID: DB-1 34.5-35' Instrument: VOAMS12.i

Sample Info: 460-40258-A-2-C;;;5.59;5 Operator: VOAMS 9

6 Methylene Chloride



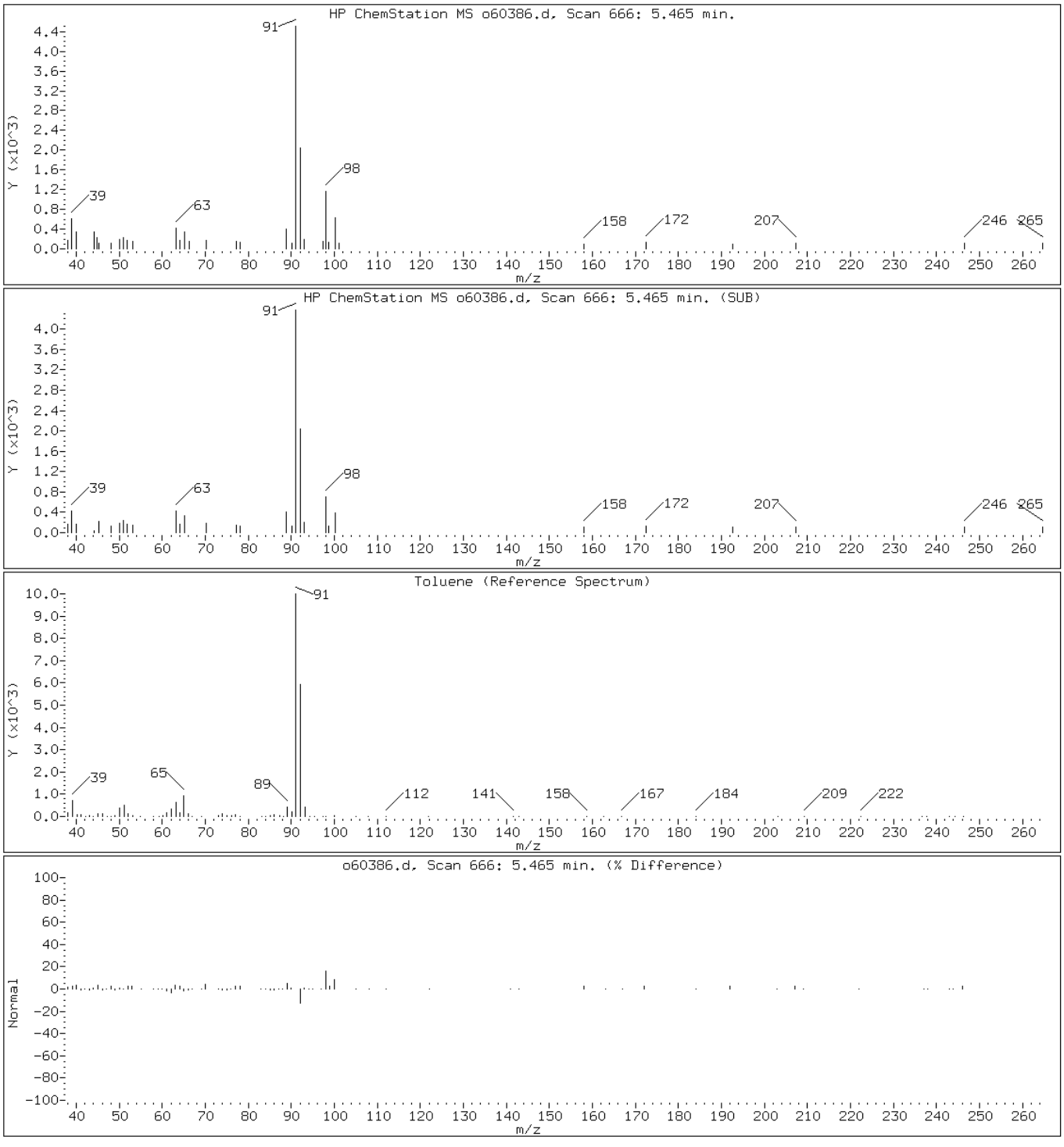
Data File: o60386.d

Date: 18-MAY-2012 09:28

Client ID: DB-1 34.5-35' Instrument: VOAMS12.i

Sample Info: 460-40258-A-2-C;;;5.59;5 Operator: VOAMS 9

38 Toluene



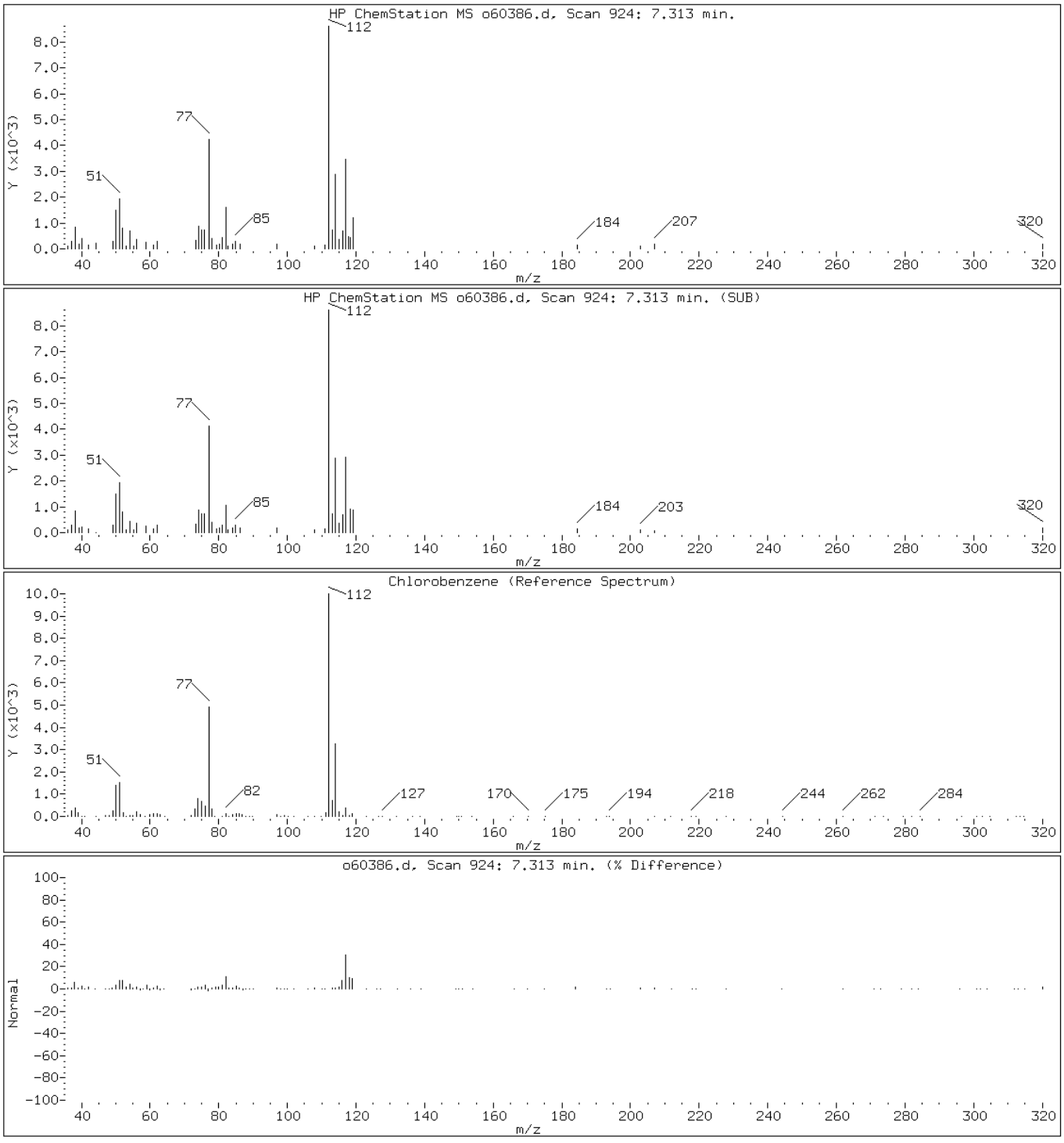
Data File: o60386.d

Date: 18-MAY-2012 09:28

Client ID: DB-1 34.5-35' Instrument: VOAMS12.i

Sample Info: 460-40258-A-2-C;;;5.59;5 Operator: VOAMS 9

39 Chlorobenzene



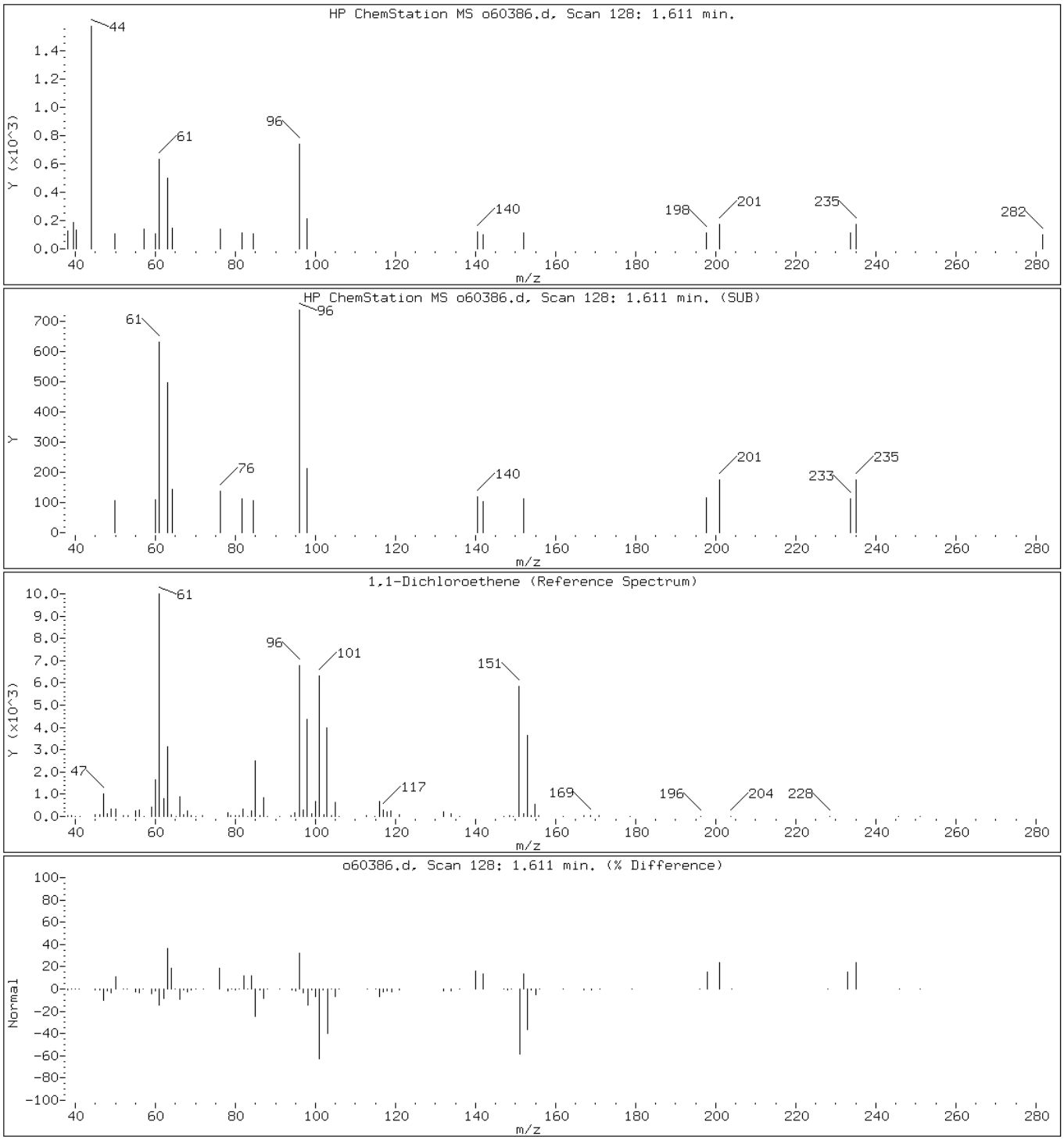
Data File: o60386.d

Date: 18-MAY-2012 09:28

Client ID: DB-1 34.5-35' Instrument: VOAMS12.i

Sample Info: 460-40258-A-2-C;;;5.59;5 Operator: VOAMS 9

10 1,1-Dichloroethene



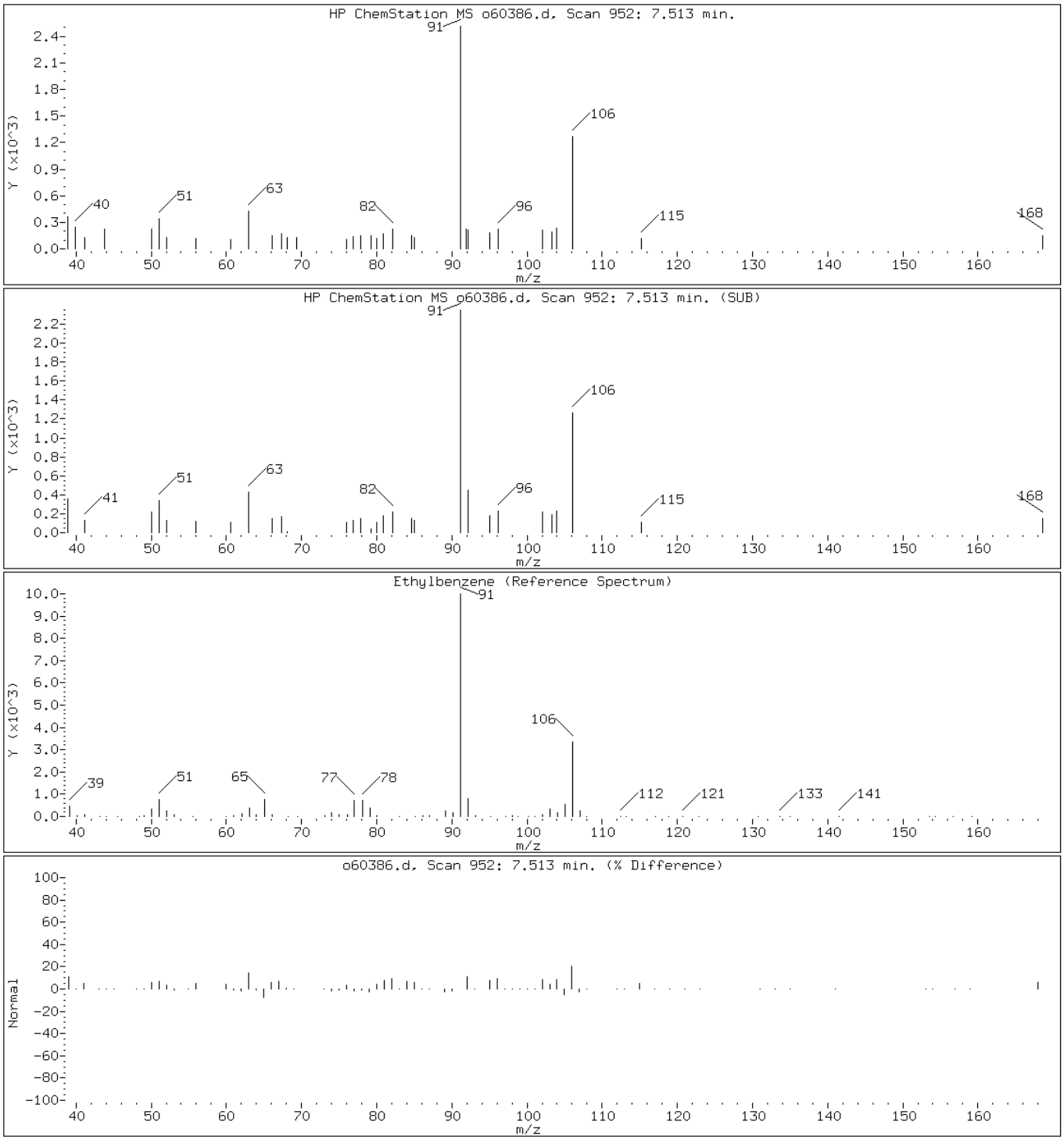
Data File: o60386.d

Date: 18-MAY-2012 09:28

Client ID: DB-1 34.5-35' Instrument: VOAMS12.i

Sample Info: 460-40258-A-2-C;;;5.59;5 Operator: VOAMS 9

40 Ethylbenzene



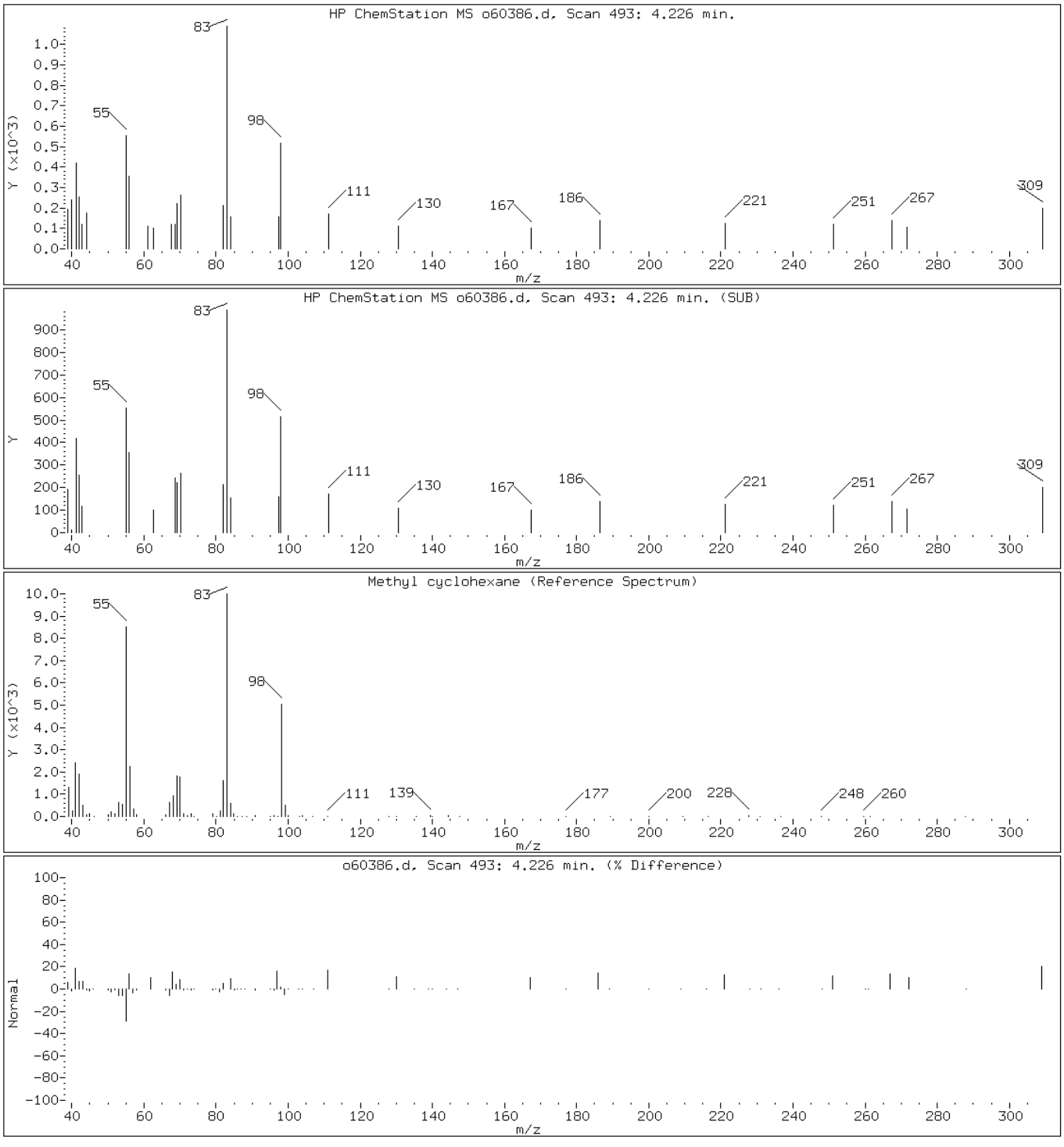
Data File: o60386.d

Date: 18-MAY-2012 09:28

Client ID: DB-1 34.5-35' Instrument: VOAMS12.i

Sample Info: 460-40258-A-2-C;;;5.59;5 Operator: VOAMS 9

126 Methyl cyclohexane



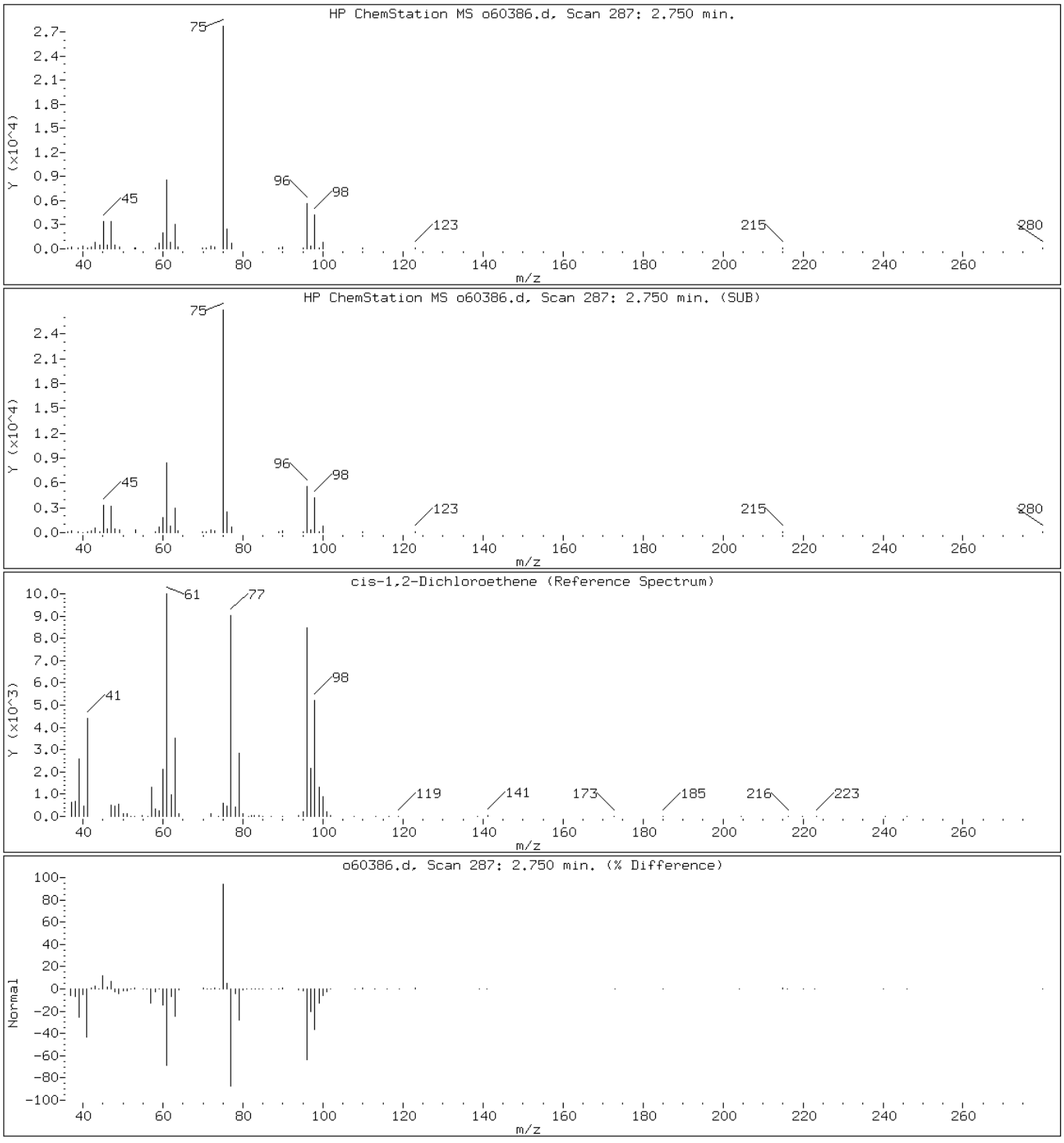
Data File: o60386.d

Date: 18-MAY-2012 09:28

Client ID: DB-1 34.5-35' Instrument: VOAMS12.i

Sample Info: 460-40258-A-2-C;;;5.59;5 Operator: VOAMS 9

13 cis-1,2-Dichloroethene



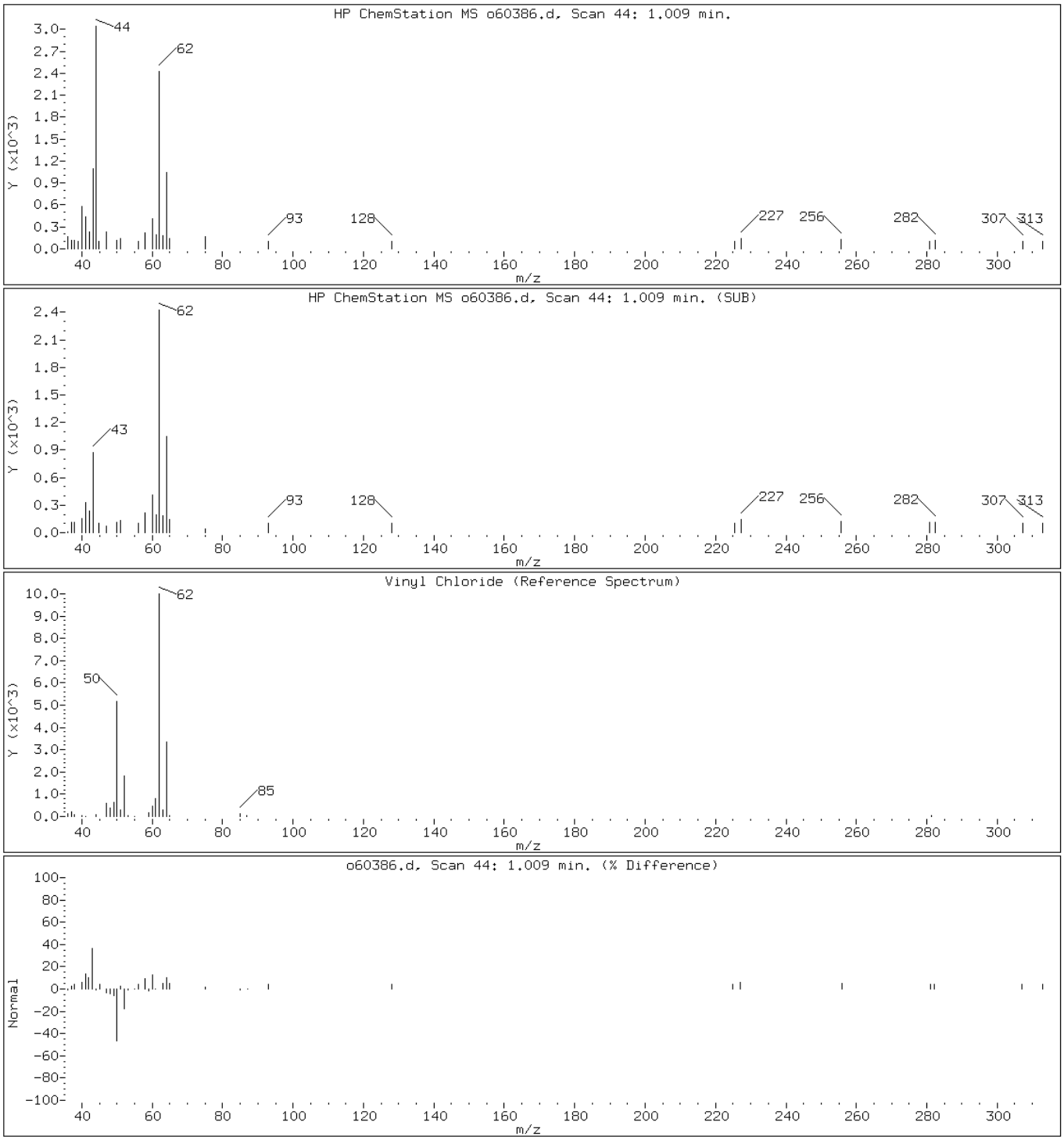
Data File: o60386.d

Date: 18-MAY-2012 09:28

Client ID: DB-1 34.5-35' Instrument: VOAMS12.i

Sample Info: 460-40258-A-2-C;;;5.59;5 Operator: VOAMS 9

4 Vinyl Chloride



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-40258-1

SDG No.:

Client Sample ID: DB-2 13.5-14' | Lab Sample ID: 460-40258-3

Matrix: Solid | Lab File ID: o60387.d

Analysis Method: 8260B | Date Collected: 05/10/2012 14:00

Sample wt/vol: 5.52(g) | Date Analyzed: 05/18/2012 09:53

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 15.1 | Level: (low/med) Low

Analysis Batch No.: 113081 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-15-0	Carbon disulfide	3.9		1.1	0.16
127-18-4	Tetrachloroethene	0.13	U	1.1	0.13
78-87-5	1,2-Dichloropropane	0.16	U	1.1	0.16
108-10-1	4-Methyl-2-pentanone	0.21	U	11	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.12	U	1.1	0.12
124-48-1	Dibromochloromethane	0.11	U	1.1	0.11
120-82-1	1,2,4-Trichlorobenzene	0.20	U	1.1	0.20
100-42-5	Styrene	0.30	U	1.1	0.30
87-61-6	1,2,3-Trichlorobenzene	0.17	U	1.1	0.17
79-34-5	1,1,2,2-Tetrachloroethane	0.096	U	1.1	0.096
75-00-3	Chloroethane	0.35	U	1.1	0.35
78-93-3	2-Butanone	0.67	U	11	0.67
98-82-8	Isopropylbenzene	0.12	U	1.1	0.12
71-55-6	1,1,1-Trichloroethane	0.14	U	1.1	0.14
71-43-2	Benzene	0.16	U	1.1	0.16
10061-01-5	cis-1,3-Dichloropropene	0.15	U	1.1	0.15
74-97-5	Bromochloromethane	0.12	U	1.1	0.12
75-25-2	Bromoform	0.18	U	1.1	0.18
75-34-3	1,1-Dichloroethane	0.12	U	1.1	0.12
107-06-2	1,2-Dichloroethane	0.19	U	1.1	0.19
79-00-5	1,1,2-Trichloroethane	0.15	U	1.1	0.15
67-64-1	Acetone	35	B	11	1.8
79-20-9	Methyl acetate	0.34	U	1.1	0.34
75-71-8	Dichlorodifluoromethane	0.23	U	1.1	0.23
75-09-2	Methylene Chloride	2.0	B	1.1	0.16
74-87-3	Chloromethane	0.17	U	1.1	0.17
74-83-9	Bromomethane	0.46	U	1.1	0.46
108-88-3	Toluene	0.28	J B	1.1	0.15
95-47-6	o-Xylene	0.20	U	1.1	0.20
108-90-7	Chlorobenzene	0.19	U	1.1	0.19
96-12-8	1,2-Dibromo-3-Chloropropane	0.47	U	1.1	0.47
541-73-1	1,3-Dichlorobenzene	0.17	U	1.1	0.17
1634-04-4	MTBE	0.12	U	1.1	0.12
156-60-5	trans-1,2-Dichloroethene	0.14	U	1.1	0.14
123-91-1	1,4-Dioxane	14	U	53	14

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-40258-1

SDG No.:

Client Sample ID: DB-2 13.5-14' | Lab Sample ID: 460-40258-3

Matrix: Solid | Lab File ID: o60387.d

Analysis Method: 8260B | Date Collected: 05/10/2012 14:00

Sample wt/vol: 5.52(g) | Date Analyzed: 05/18/2012 09:53

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 15.1 | Level: (low/med) Low

Analysis Batch No.: 113081 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-35-4	1,1-Dichloroethene	0.20	U	1.1	0.20
95-50-1	1,2-Dichlorobenzene	0.11	U	1.1	0.11
79-01-6	Trichloroethene	0.13	U	1.1	0.13
591-78-6	2-Hexanone	0.14	U	11	0.14
100-41-4	Ethylbenzene	0.18	U	1.1	0.18
108-87-2	Methylcyclohexane	0.11	U	1.1	0.11
75-69-4	Trichlorofluoromethane	0.17	U	1.1	0.17
110-82-7	Cyclohexane	0.14	U	1.1	0.14
10061-02-6	trans-1,3-Dichloropropene	0.11	U	1.1	0.11
156-59-2	cis-1,2-Dichloroethene	0.12	U	1.1	0.12
67-66-3	Chloroform	0.26	U	1.1	0.26
179601-23-1	m&p-Xylene	0.63	U	2.1	0.63
75-01-4	Vinyl chloride	0.36	U	1.1	0.36
106-93-4	1,2-Dibromoethane	0.16	U	1.1	0.16
56-23-5	Carbon tetrachloride	0.16	U	1.1	0.16
106-46-7	1,4-Dichlorobenzene	0.12	U	1.1	0.12
75-27-4	Bromodichloromethane	0.34	U	1.1	0.34
104-51-8	n-Butylbenzene	0.085	U	1.1	0.085
95-63-6	1,2,4-Trimethylbenzene	0.16	U	1.1	0.16
135-98-8	sec-Butylbenzene	0.14	U	1.1	0.14
103-65-1	N-Propylbenzene	0.16	U	1.1	0.16
108-67-8	1,3,5-Trimethylbenzene	0.13	U	1.1	0.13
98-06-6	tert-Butylbenzene	0.13	U	1.1	0.13
99-87-6	p-Isopropyltoluene	0.15	U	1.1	0.15

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	Bromofluorobenzene	101		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	117		70-130
2037-26-5	Toluene-d8 (Surr)	111		70-130

Data File: /chem/VOAMS12.i/8260L_10/05-03-12/18may12.b/o60387.d
Report Date: 22-May-2012 08:55

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS12.i/8260L_10/05-03-12/18may12.b/o60387.d
Lab Smp Id: 460-40258-A-3-C Client Smp ID: DB-2 13.5-14'
Inj Date : 18-MAY-2012 09:53
Operator : VOAMS 9 Inst ID: VOAMS12.i
Smp Info : 460-40258-A-3-C;;;5.52;5
Misc Info : 460-40258-A-3-C
Comment   :
Method   : /chem/VOAMS12.i/8260L_10/05-03-12/18may12.b/8260L_10.m
Meth Date : 18-May-2012 04:32 audberto Quant Type: ISTD
Cal Date : 03-MAY-2012 18:57 Cal File: o59879.d
Als bottle: 13
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	5.52000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
	7 Acetone	43	1.654	1.654	(0.446)	31291	33.2292	30
	8 Carbon Disulfide	76	1.733	1.733	(0.467)	50409	3.62483	3.3
	6 Methylene Chloride	84	1.897	1.897	(0.511)	8885	1.87556	1.7
$	16 1,2-Dichloroethane-d4 (SUR)	65	3.409	3.409	(0.919)	138996	58.4272	53
*	69 Fluorobenzene	96	3.710	3.703	(1.000)	580461	50.0000	
$	37 Toluene-d8 (SUR)	98	5.393	5.386	(0.741)	526713	55.6817	50
	38 Toluene	91	5.465	5.465	(0.751)	5138	0.26647	0.24(a)
*	32 Chlorobenzene-d5	117	7.277	7.270	(1.000)	464151	50.0000	
$	41 Bromofluorobenzene (SUR)	174	9.075	9.075	(0.830)	187059	50.5475	46
*	91 1,4-Dichlorobenzene-d4	152	10.937	10.937	(1.000)	272037	50.0000	

Data File: /chem/VOAMS12.i/8260L_10/05-03-12/18may12.b/o60387.d
Report Date: 22-May-2012 08:55

QC Flag Legend

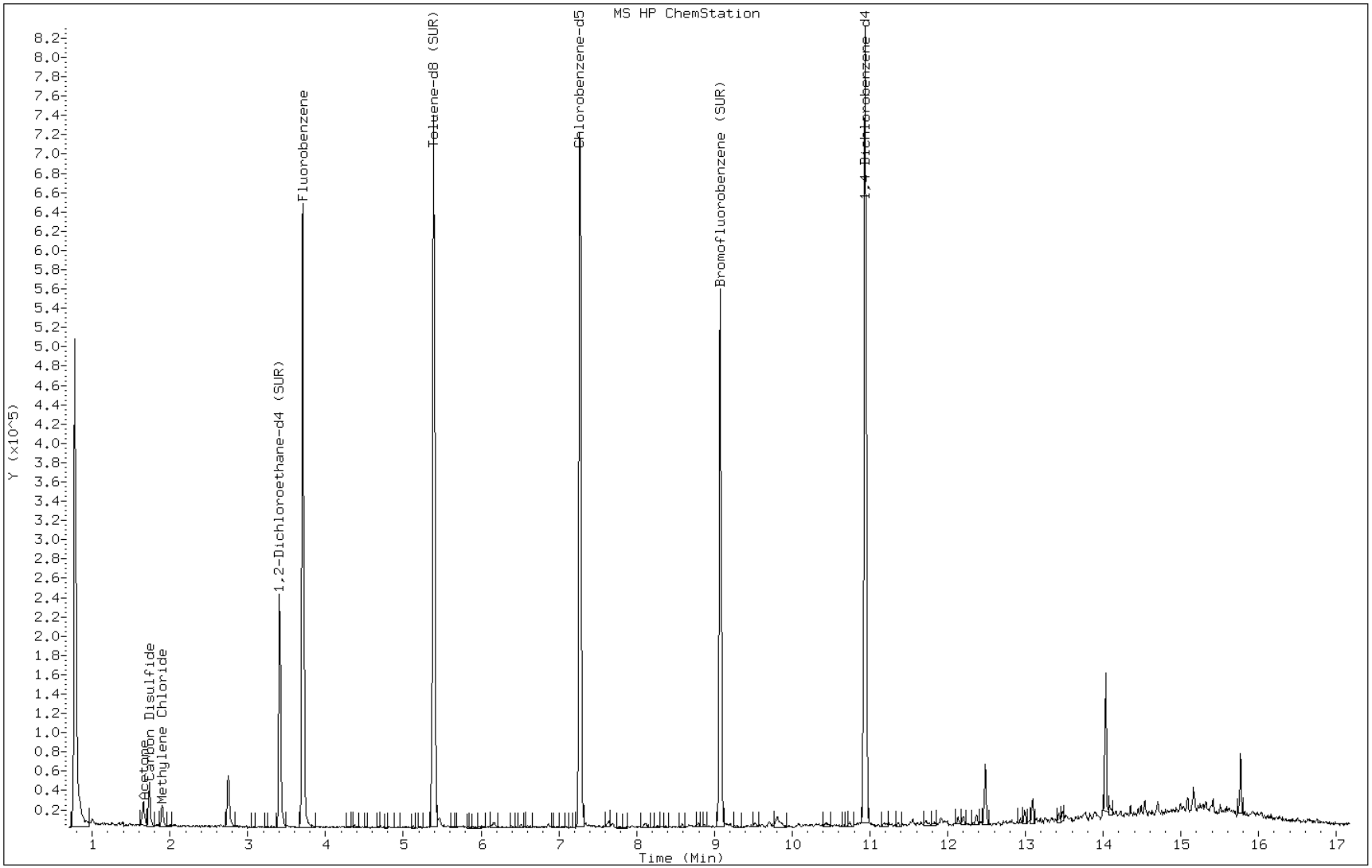
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).

Data File: o60387.d

Date: 18-MAY-2012 09:53

Client ID: DB-2 13.5-14' Instrument: VOAMS12.i

Sample Info: 460-40258-A-3-C;;;5.52;5 Operator: VOAMS 9



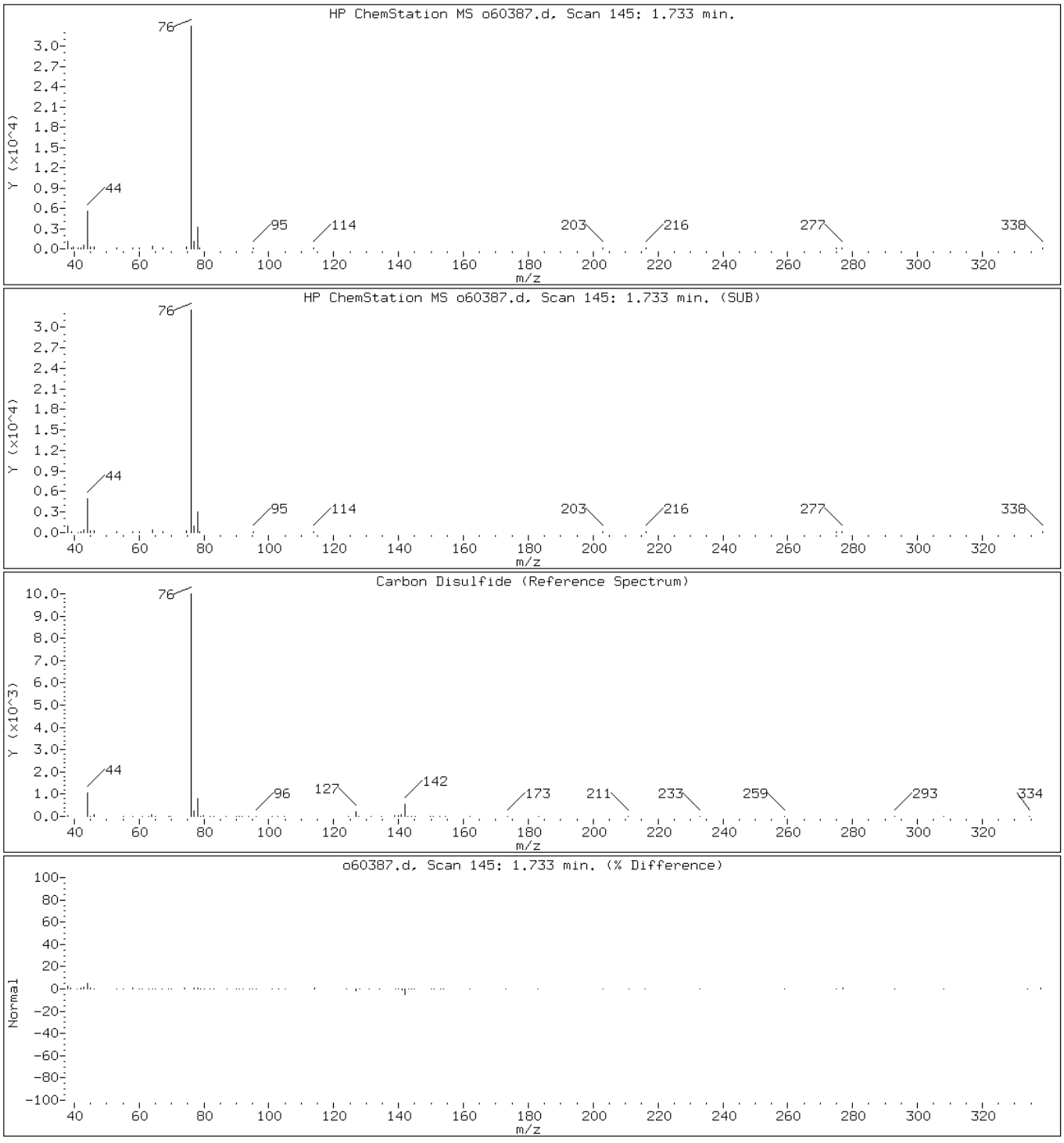
Data File: o60387.d

Date: 18-MAY-2012 09:53

Client ID: DB-2 13.5-14' Instrument: VOAMS12.i

Sample Info: 460-40258-A-3-C;;;5.52;5 Operator: VOAMS 9

8 Carbon Disulfide



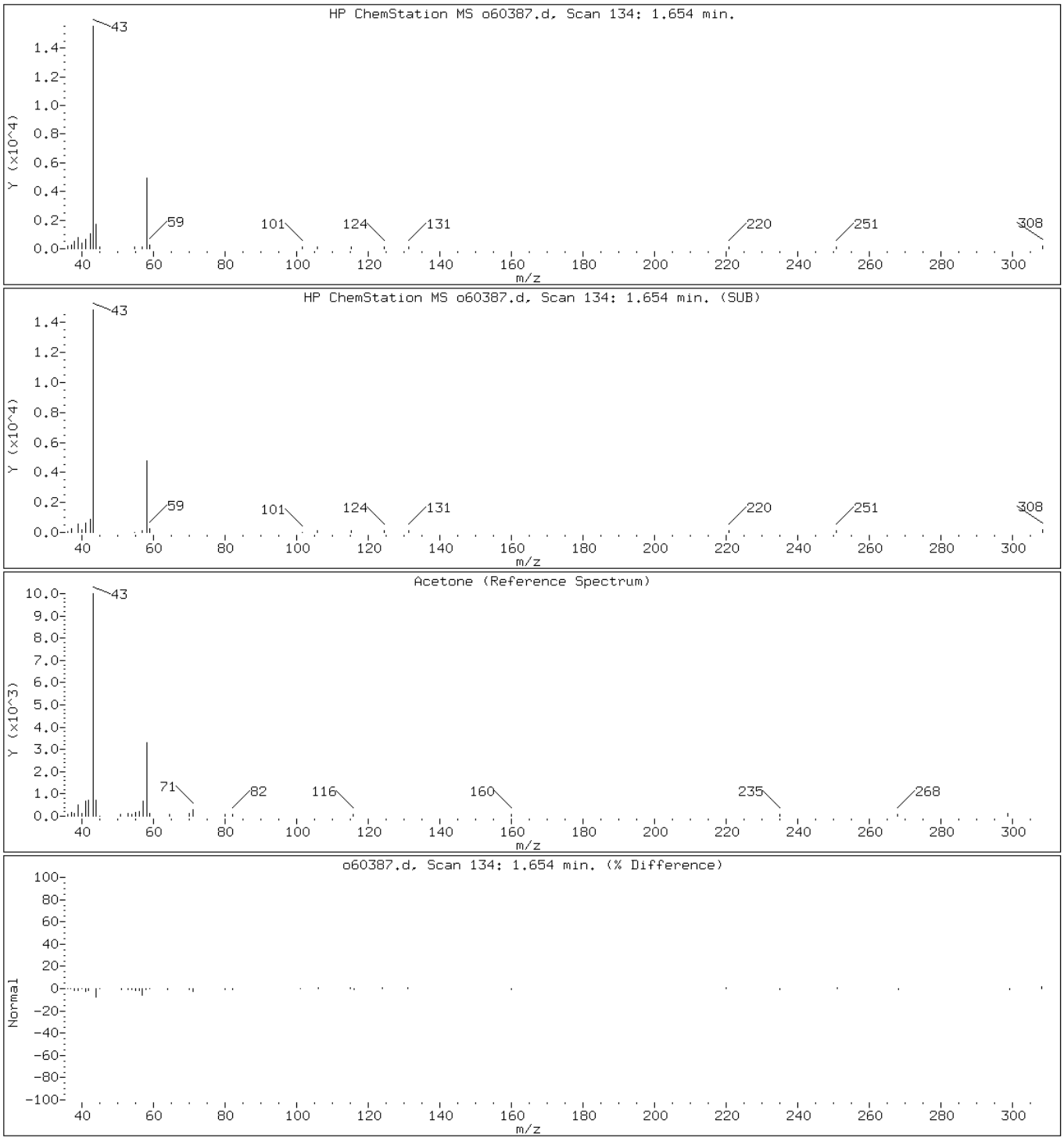
Data File: o60387.d

Date: 18-MAY-2012 09:53

Client ID: DB-2 13.5-14' Instrument: VOAMS12.i

Sample Info: 460-40258-A-3-C;;;5.52;5 Operator: VOAMS 9

7 Acetone



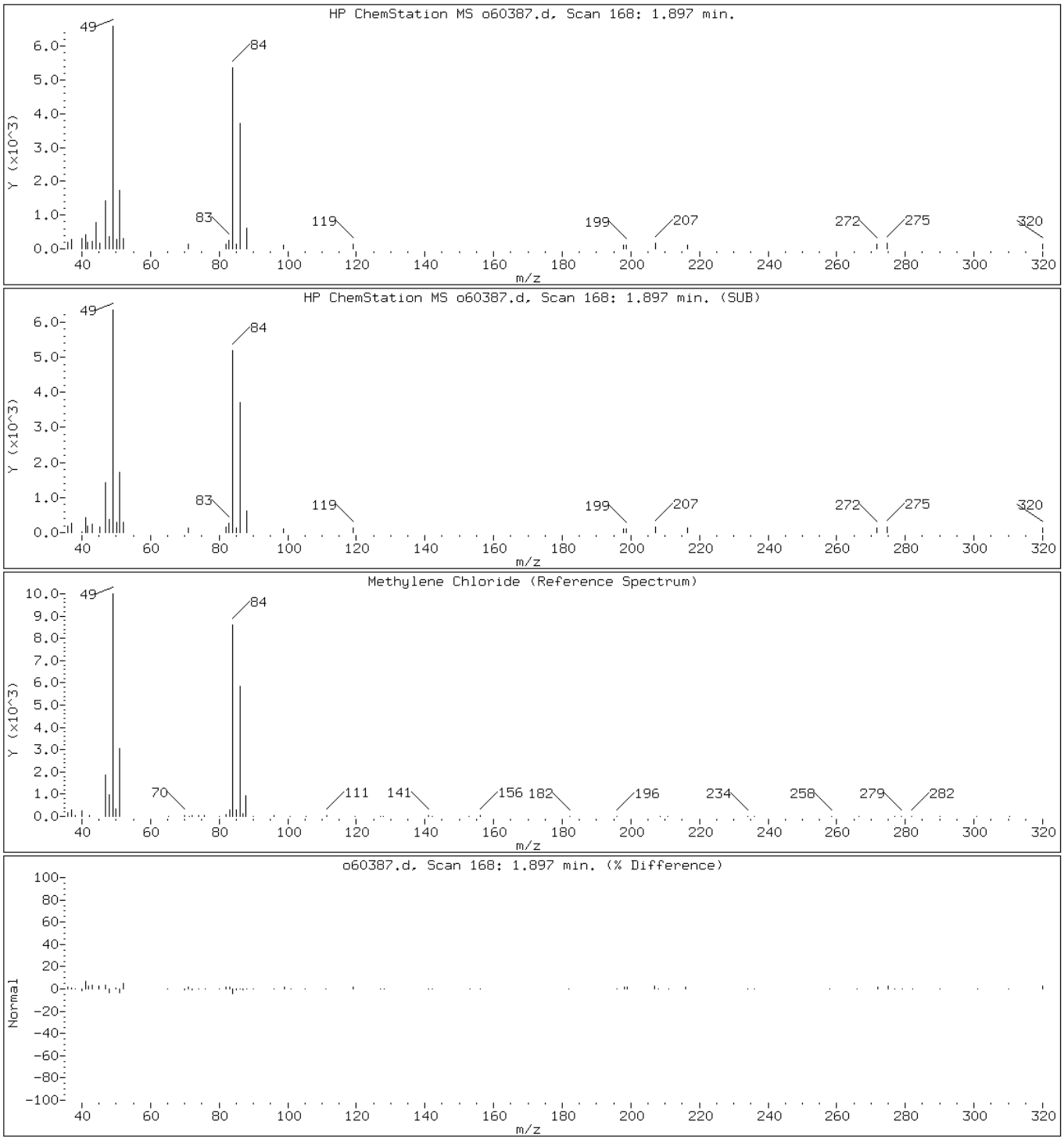
Data File: o60387.d

Date: 18-MAY-2012 09:53

Client ID: DB-2 13.5-14' Instrument: VOAMS12.i

Sample Info: 460-40258-A-3-C;;;5.52;5 Operator: VOAMS 9

6 Methylene Chloride



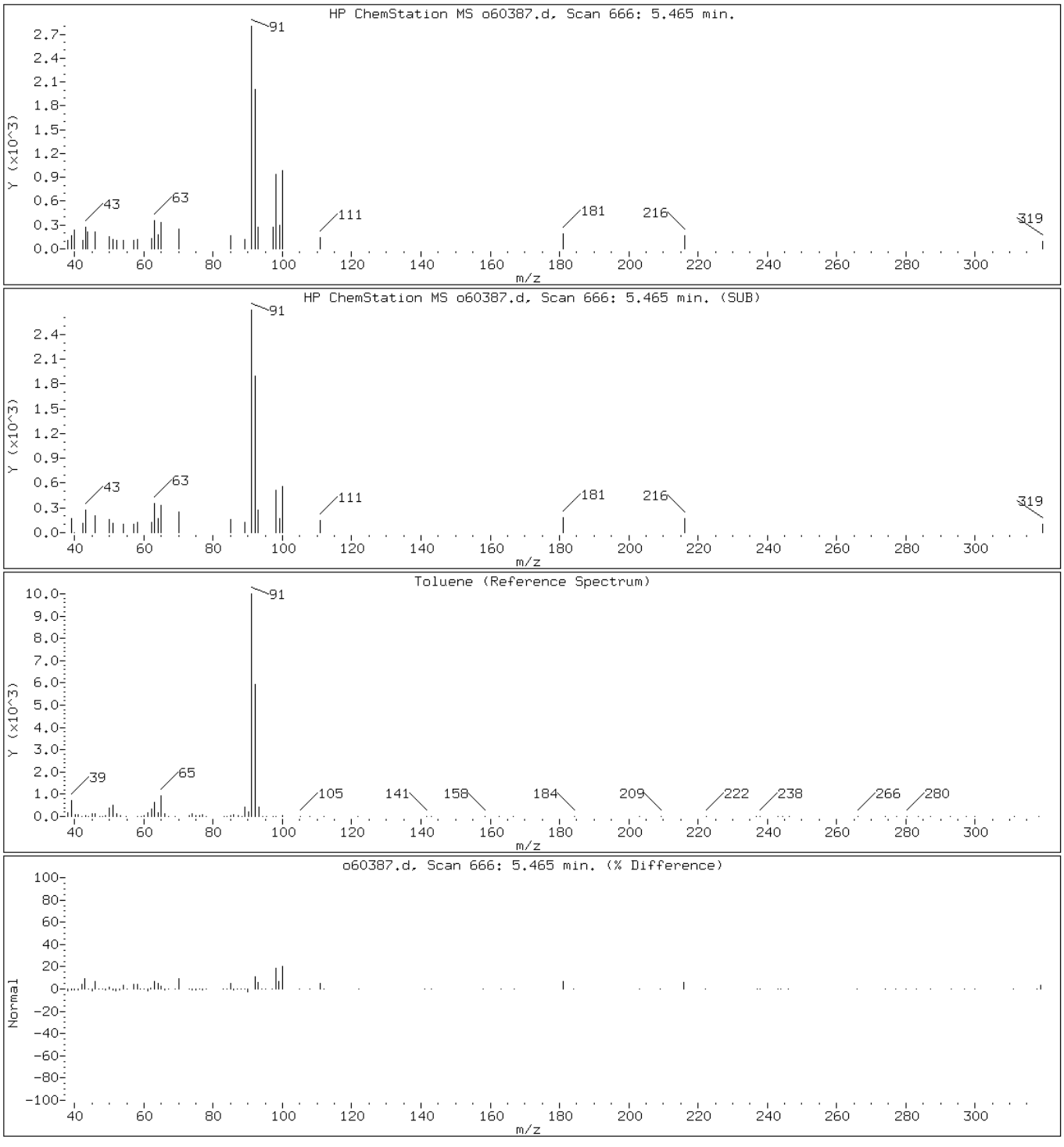
Data File: o60387.d

Date: 18-MAY-2012 09:53

Client ID: DB-2 13.5-14' Instrument: VOAMS12.i

Sample Info: 460-40258-A-3-C;;;5.52;5 Operator: VOAMS 9

38 Toluene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-40258-1

SDG No.:

Client Sample ID: DB-2 34.5-35' | Lab Sample ID: 460-40258-4

Matrix: Solid | Lab File ID: o60388.d

Analysis Method: 8260B | Date Collected: 05/10/2012 14:50

Sample wt/vol: 5.82(g) | Date Analyzed: 05/18/2012 10:18

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 10.8 | Level: (low/med) Low

Analysis Batch No.: 113081 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-15-0	Carbon disulfide	3.7		0.96	0.14
127-18-4	Tetrachloroethene	0.12	U	0.96	0.12
78-87-5	1,2-Dichloropropane	0.14	U	0.96	0.14
108-10-1	4-Methyl-2-pentanone	0.19	U	9.6	0.19
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.11	U	0.96	0.11
124-48-1	Dibromochloromethane	0.096	U	0.96	0.096
120-82-1	1,2,4-Trichlorobenzene	0.18	U	0.96	0.18
100-42-5	Styrene	0.27	U	0.96	0.27
87-61-6	1,2,3-Trichlorobenzene	0.15	U	0.96	0.15
79-34-5	1,1,2,2-Tetrachloroethane	0.087	U	0.96	0.087
75-00-3	Chloroethane	0.32	U	0.96	0.32
78-93-3	2-Butanone	0.61	U	9.6	0.61
98-82-8	Isopropylbenzene	0.11	U	0.96	0.11
71-55-6	1,1,1-Trichloroethane	0.13	U	0.96	0.13
71-43-2	Benzene	0.14	U	0.96	0.14
10061-01-5	cis-1,3-Dichloropropene	0.13	U	0.96	0.13
74-97-5	Bromochloromethane	0.11	U	0.96	0.11
75-25-2	Bromoform	0.16	U	0.96	0.16
75-34-3	1,1-Dichloroethane	0.11	U	0.96	0.11
107-06-2	1,2-Dichloroethane	0.17	U	0.96	0.17
79-00-5	1,1,2-Trichloroethane	0.13	U	0.96	0.13
67-64-1	Acetone	42	B	9.6	1.6
79-20-9	Methyl acetate	0.31	U	0.96	0.31
75-71-8	Dichlorodifluoromethane	0.21	U	0.96	0.21
75-09-2	Methylene Chloride	1.2	B	0.96	0.14
74-87-3	Chloromethane	0.15	U	0.96	0.15
74-83-9	Bromomethane	0.41	U	0.96	0.41
108-88-3	Toluene	0.24	J B	0.96	0.13
95-47-6	o-Xylene	0.18	U	0.96	0.18
108-90-7	Chlorobenzene	0.17	U	0.96	0.17
96-12-8	1,2-Dibromo-3-Chloropropane	0.42	U	0.96	0.42
541-73-1	1,3-Dichlorobenzene	0.15	U	0.96	0.15
1634-04-4	MTBE	0.11	U	0.96	0.11
156-60-5	trans-1,2-Dichloroethene	0.13	U	0.96	0.13
123-91-1	1,4-Dioxane	12	U	48	12

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-40258-1

SDG No.:

Client Sample ID: DB-2 34.5-35' | Lab Sample ID: 460-40258-4

Matrix: Solid | Lab File ID: o60388.d

Analysis Method: 8260B | Date Collected: 05/10/2012 14:50

Sample wt/vol: 5.82(g) | Date Analyzed: 05/18/2012 10:18

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 10.8 | Level: (low/med) Low

Analysis Batch No.: 113081 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-35-4	1,1-Dichloroethene	0.18	U	0.96	0.18
95-50-1	1,2-Dichlorobenzene	0.096	U	0.96	0.096
79-01-6	Trichloroethene	0.12	U	0.96	0.12
591-78-6	2-Hexanone	0.13	U	9.6	0.13
100-41-4	Ethylbenzene	0.16	U	0.96	0.16
108-87-2	Methylcyclohexane	0.096	U	0.96	0.096
75-69-4	Trichlorofluoromethane	0.15	U	0.96	0.15
110-82-7	Cyclohexane	0.13	U	0.96	0.13
10061-02-6	trans-1,3-Dichloropropene	0.096	U	0.96	0.096
156-59-2	cis-1,2-Dichloroethene	0.11	U	0.96	0.11
67-66-3	Chloroform	0.23	U	0.96	0.23
179601-23-1	m&p-Xylene	0.57	U	1.9	0.57
75-01-4	Vinyl chloride	0.33	U	0.96	0.33
106-93-4	1,2-Dibromoethane	0.14	U	0.96	0.14
56-23-5	Carbon tetrachloride	0.14	U	0.96	0.14
106-46-7	1,4-Dichlorobenzene	0.11	U	0.96	0.11
75-27-4	Bromodichloromethane	0.31	U	0.96	0.31
104-51-8	n-Butylbenzene	0.077	U	0.96	0.077
95-63-6	1,2,4-Trimethylbenzene	0.14	U	0.96	0.14
135-98-8	sec-Butylbenzene	0.13	U	0.96	0.13
103-65-1	N-Propylbenzene	0.14	U	0.96	0.14
108-67-8	1,3,5-Trimethylbenzene	0.12	U	0.96	0.12
98-06-6	tert-Butylbenzene	0.12	U	0.96	0.12
99-87-6	p-Isopropyltoluene	0.13	U	0.96	0.13

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	Bromofluorobenzene	101		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	121		70-130
2037-26-5	Toluene-d8 (Surr)	110		70-130

Data File: /chem/VOAMS12.i/8260L_10/05-03-12/18may12.b/o60388.d
Report Date: 18-May-2012 18:44

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS12.i/8260L_10/05-03-12/18may12.b/o60388.d
Lab Smp Id: 460-40258-A-4-C Client Smp ID: DB-2 34.5-35'
Inj Date : 18-MAY-2012 10:18
Operator : VOAMS 9 Inst ID: VOAMS12.i
Smp Info : 460-40258-A-4-C;;;5.82;5
Misc Info : 460-40258-A-4-C
Comment   :
Method   : /chem/VOAMS12.i/8260L_10/05-03-12/18may12.b/8260L_10.m
Meth Date : 18-May-2012 04:32 audberto Quant Type: ISTD
Cal Date : 03-MAY-2012 18:57 Cal File: o59879.d
Als bottle: 14
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	5.82000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
	7 Acetone	43	1.654	1.654	(0.446)	42106	43.6792	38
	8 Carbon Disulfide	76	1.733	1.733	(0.467)	54916	3.85752	3.3
	6 Methylene Chloride	84	1.898	1.897	(0.511)	5798	1.19559	1.0
$	16 1,2-Dichloroethane-d4 (SUR)	65	3.409	3.409	(0.919)	146964	60.3467	52
*	69 Fluorobenzene	96	3.710	3.703	(1.000)	594215	50.0000	
$	37 Toluene-d8 (SUR)	98	5.393	5.386	(0.741)	539443	55.0428	47
	38 Toluene	91	5.465	5.465	(0.751)	5031	0.25184	0.22(a)
*	32 Chlorobenzene-d5	117	7.277	7.270	(1.000)	480887	50.0000	
$	41 Bromofluorobenzene (SUR)	174	9.075	9.075	(0.830)	192766	50.7444	44
*	91 1,4-Dichlorobenzene-d4	152	10.937	10.937	(1.000)	279249	50.0000	

Data File: /chem/VOAMS12.i/8260L_10/05-03-12/18may12.b/o60388.d
Report Date: 18-May-2012 18:44

QC Flag Legend

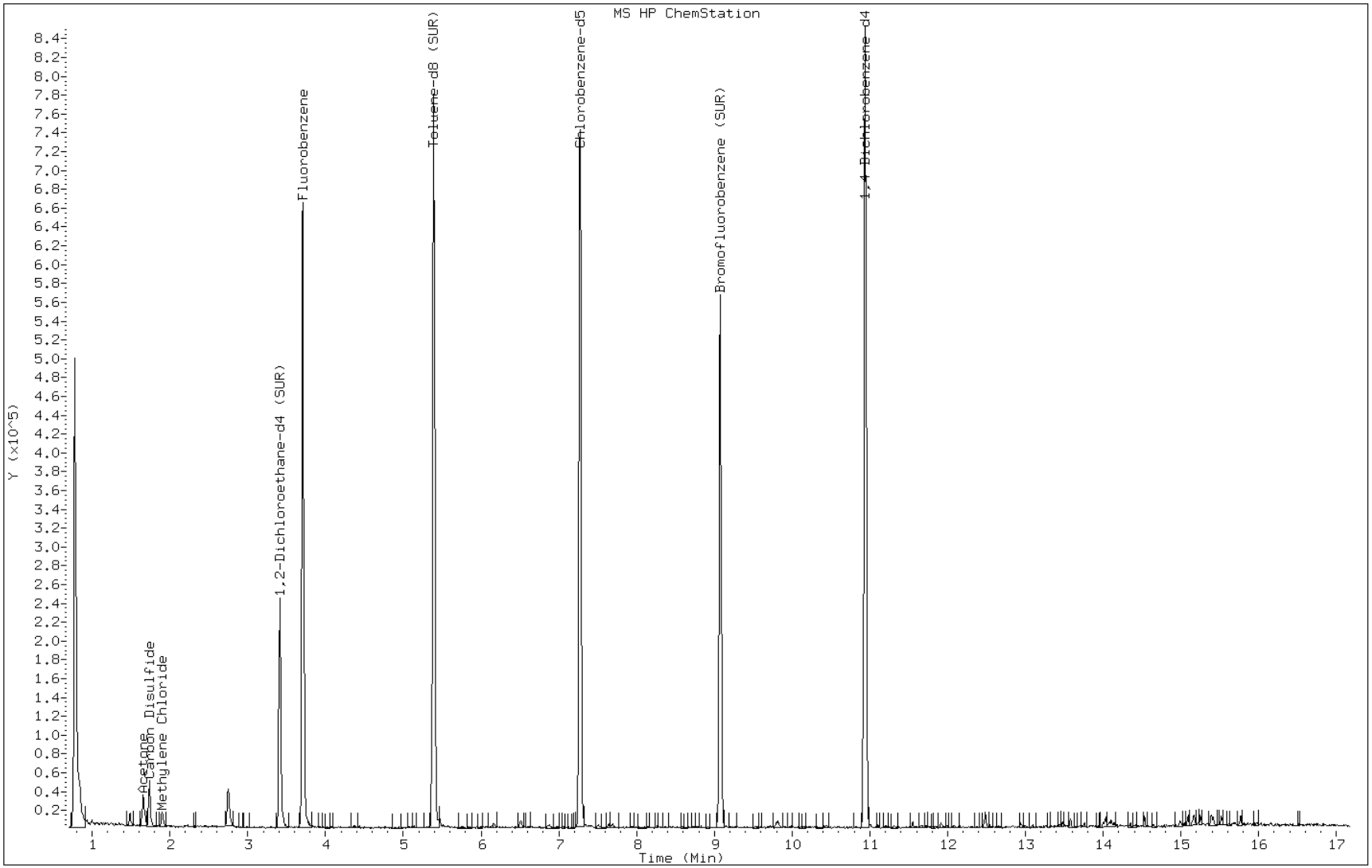
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).

Data File: o60388.d

Date: 18-MAY-2012 10:18

Client ID: DB-2 34.5-35' Instrument: VOAMS12.i

Sample Info: 460-40258-A-4-C;;;5.82;5 Operator: VOAMS 9



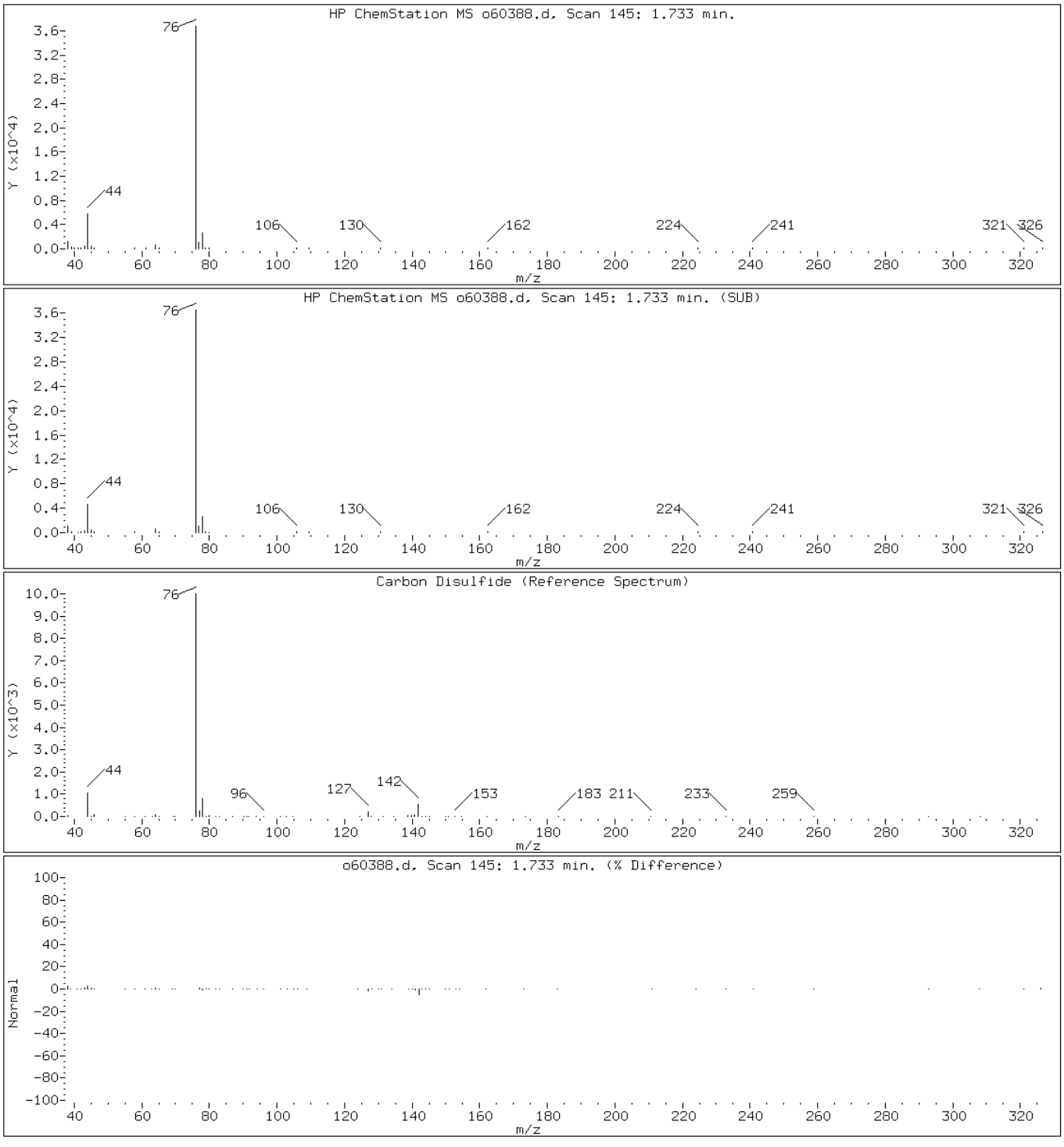
Data File: o60388.d

Date: 18-MAY-2012 10:18

Client ID: DB-2 34.5-35' Instrument: VOAMS12.i

Sample Info: 460-40258-A-4-C;;;5.82;5 Operator: VOAMS 9

8 Carbon Disulfide



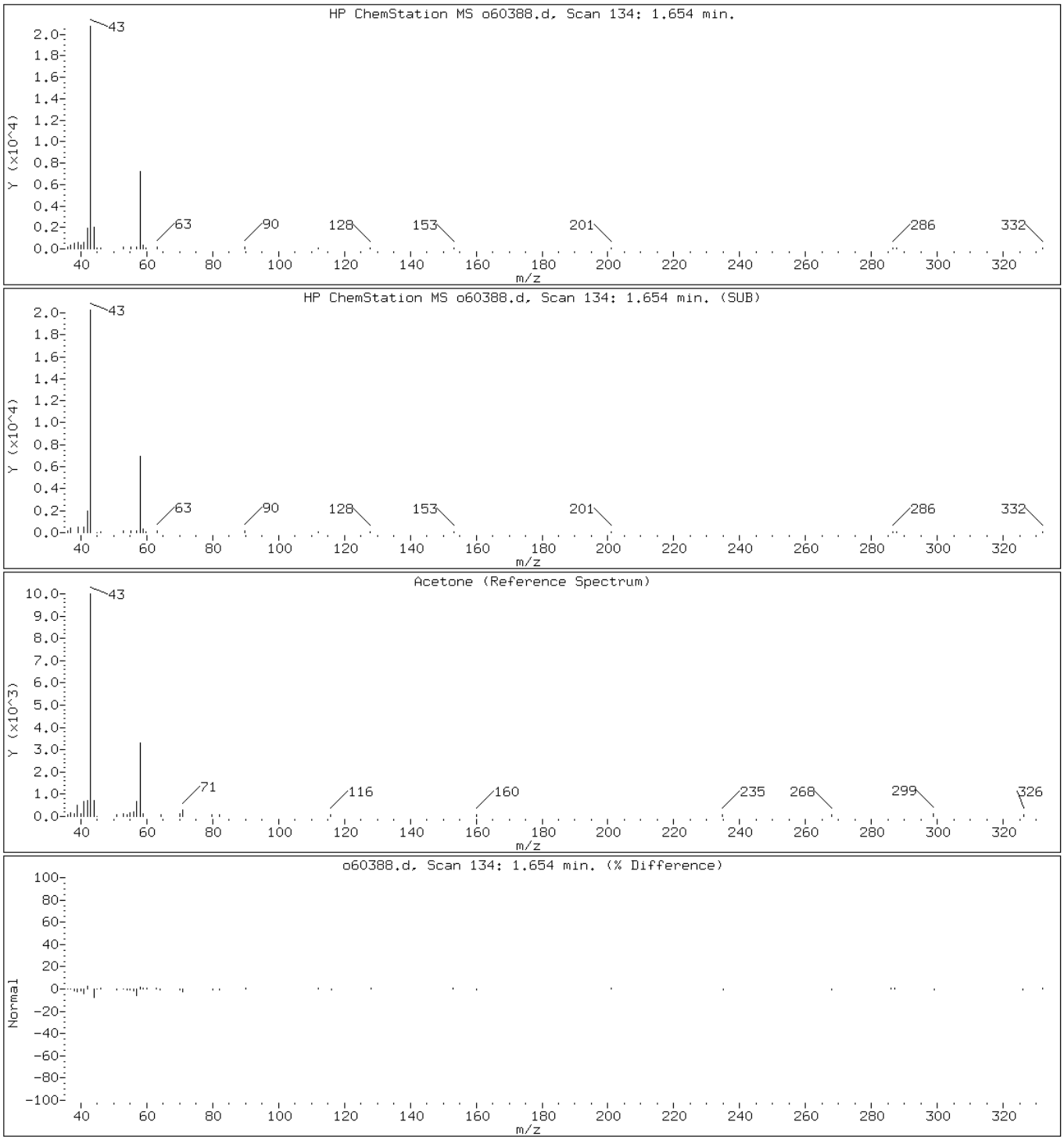
Data File: o60388.d

Date: 18-MAY-2012 10:18

Client ID: DB-2 34.5-35' Instrument: VOAMS12.i

Sample Info: 460-40258-A-4-C;;;5.82;5 Operator: VOAMS 9

7 Acetone



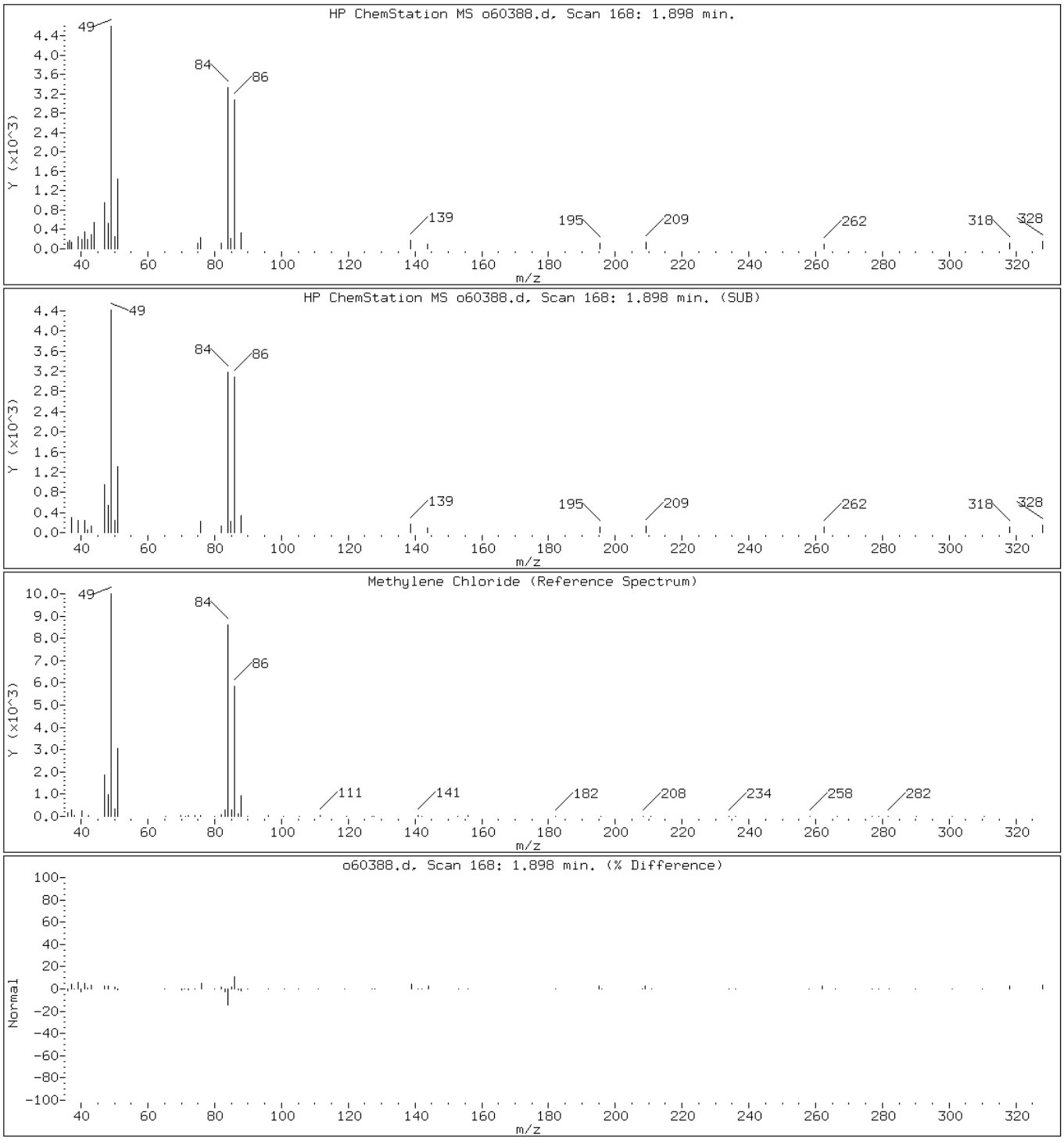
Data File: o60388.d

Date: 18-MAY-2012 10:18

Client ID: DB-2 34.5-35' Instrument: VOAMS12.i

Sample Info: 460-40258-A-4-C;;;5.82;5 Operator: VOAMS 9

6 Methylene Chloride



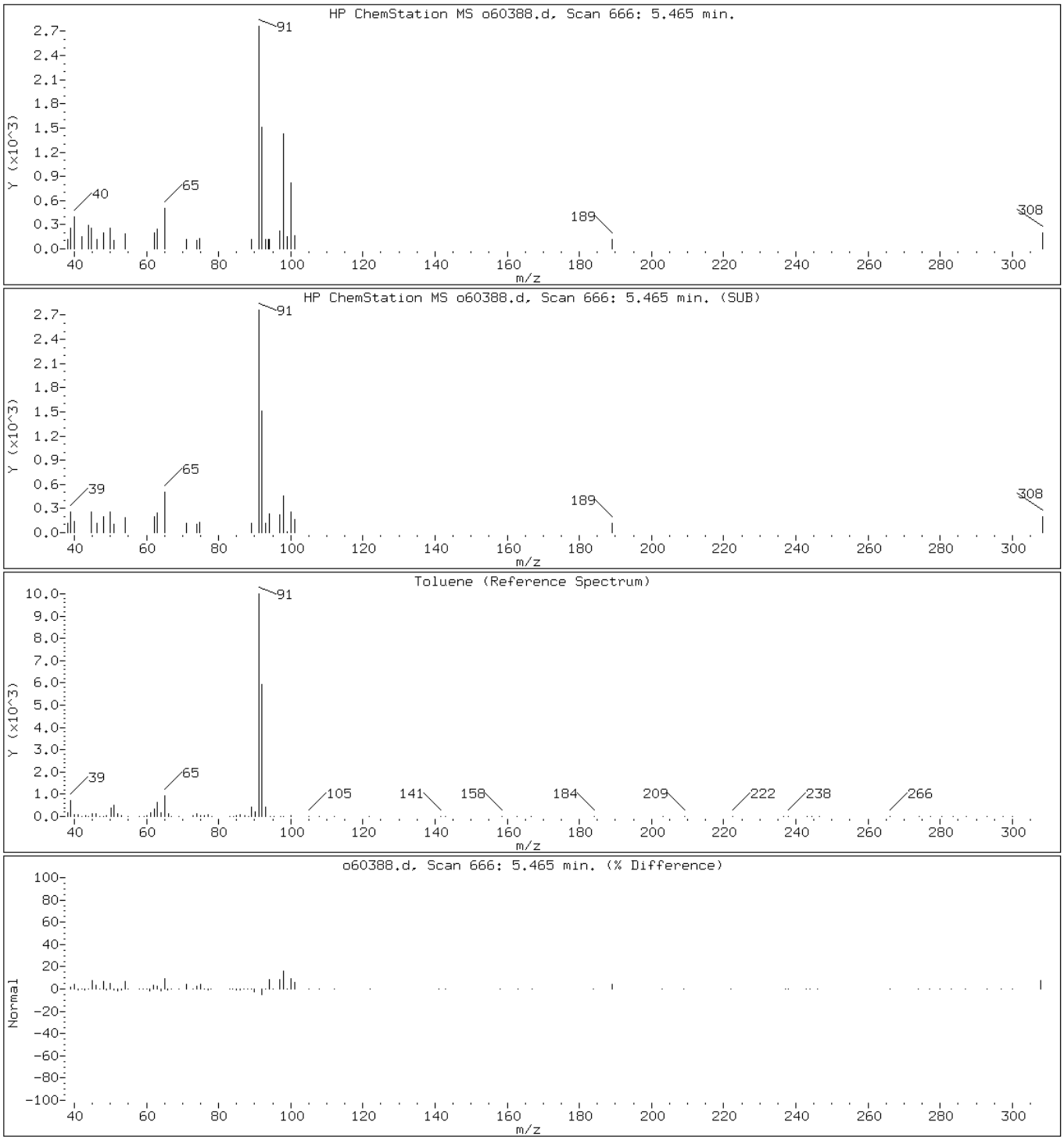
Data File: o60388.d

Date: 18-MAY-2012 10:18

Client ID: DB-2 34.5-35' Instrument: VOAMS12.i

Sample Info: 460-40258-A-4-C;;;5.82;5 Operator: VOAMS 9

38 Toluene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-40258-1

SDG No.:

Client Sample ID: DB-3 20.5-21' | Lab Sample ID: 460-40258-5

Matrix: Solid | Lab File ID: o60389.d

Analysis Method: 8260B | Date Collected: 05/10/2012 16:40

Sample wt/vol: 5.53(g) | Date Analyzed: 05/18/2012 10:43

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 15.7 | Level: (low/med) Low

Analysis Batch No.: 113081 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-15-0	Carbon disulfide	3.1		1.1	0.16
127-18-4	Tetrachloroethene	0.13	U	1.1	0.13
78-87-5	1,2-Dichloropropane	0.16	U	1.1	0.16
108-10-1	4-Methyl-2-pentanone	0.21	U	11	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.12	U	1.1	0.12
124-48-1	Dibromochloromethane	0.11	U	1.1	0.11
120-82-1	1,2,4-Trichlorobenzene	0.20	U	1.1	0.20
100-42-5	Styrene	0.30	U	1.1	0.30
87-61-6	1,2,3-Trichlorobenzene	0.17	U	1.1	0.17
79-34-5	1,1,2,2-Tetrachloroethane	0.097	U	1.1	0.097
75-00-3	Chloroethane	0.35	U	1.1	0.35
78-93-3	2-Butanone	0.68	U	11	0.68
98-82-8	Isopropylbenzene	0.12	U	1.1	0.12
71-55-6	1,1,1-Trichloroethane	0.14	U	1.1	0.14
71-43-2	Benzene	0.16	U	1.1	0.16
10061-01-5	cis-1,3-Dichloropropene	0.15	U	1.1	0.15
74-97-5	Bromochloromethane	0.12	U	1.1	0.12
75-25-2	Bromoform	0.18	U	1.1	0.18
75-34-3	1,1-Dichloroethane	0.12	U	1.1	0.12
107-06-2	1,2-Dichloroethane	0.19	U	1.1	0.19
79-00-5	1,1,2-Trichloroethane	0.15	U	1.1	0.15
67-64-1	Acetone	42	B	11	1.8
79-20-9	Methyl acetate	0.34	U	1.1	0.34
75-71-8	Dichlorodifluoromethane	0.24	U	1.1	0.24
75-09-2	Methylene Chloride	3.3	B	1.1	0.16
74-87-3	Chloromethane	0.17	U	1.1	0.17
74-83-9	Bromomethane	0.46	U	1.1	0.46
108-88-3	Toluene	0.15	U	1.1	0.15
95-47-6	o-Xylene	0.20	U	1.1	0.20
108-90-7	Chlorobenzene	0.19	U	1.1	0.19
96-12-8	1,2-Dibromo-3-Chloropropane	0.47	U	1.1	0.47
541-73-1	1,3-Dichlorobenzene	0.17	U	1.1	0.17
1634-04-4	MTBE	0.12	U	1.1	0.12
156-60-5	trans-1,2-Dichloroethene	0.14	U	1.1	0.14
123-91-1	1,4-Dioxane	14	U	54	14

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-40258-1

SDG No.:

Client Sample ID: DB-3 20.5-21' | Lab Sample ID: 460-40258-5

Matrix: Solid | Lab File ID: o60389.d

Analysis Method: 8260B | Date Collected: 05/10/2012 16:40

Sample wt/vol: 5.53(g) | Date Analyzed: 05/18/2012 10:43

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 15.7 | Level: (low/med) Low

Analysis Batch No.: 113081 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-35-4	1,1-Dichloroethene	0.20	U	1.1	0.20
95-50-1	1,2-Dichlorobenzene	0.11	U	1.1	0.11
79-01-6	Trichloroethene	0.13	U	1.1	0.13
591-78-6	2-Hexanone	0.14	U	11	0.14
100-41-4	Ethylbenzene	0.18	U	1.1	0.18
108-87-2	Methylcyclohexane	0.11	U	1.1	0.11
75-69-4	Trichlorofluoromethane	0.17	U	1.1	0.17
110-82-7	Cyclohexane	0.14	U	1.1	0.14
10061-02-6	trans-1,3-Dichloropropene	0.11	U	1.1	0.11
156-59-2	cis-1,2-Dichloroethene	0.12	U	1.1	0.12
67-66-3	Chloroform	0.26	U	1.1	0.26
179601-23-1	m&p-Xylene	0.63	U	2.1	0.63
75-01-4	Vinyl chloride	0.36	U	1.1	0.36
106-93-4	1,2-Dibromoethane	0.16	U	1.1	0.16
56-23-5	Carbon tetrachloride	0.16	U	1.1	0.16
106-46-7	1,4-Dichlorobenzene	0.12	U	1.1	0.12
75-27-4	Bromodichloromethane	0.34	U	1.1	0.34
104-51-8	n-Butylbenzene	0.086	U	1.1	0.086
95-63-6	1,2,4-Trimethylbenzene	0.16	U	1.1	0.16
135-98-8	sec-Butylbenzene	0.14	U	1.1	0.14
103-65-1	N-Propylbenzene	0.16	U	1.1	0.16
108-67-8	1,3,5-Trimethylbenzene	0.13	U	1.1	0.13
98-06-6	tert-Butylbenzene	0.13	U	1.1	0.13
99-87-6	p-Isopropyltoluene	0.15	U	1.1	0.15

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	Bromofluorobenzene	100		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	116		70-130
2037-26-5	Toluene-d8 (Surr)	106		70-130

Data File: /chem/VOAMS12.i/8260L_10/05-03-12/18may12.b/o60389.d
Report Date: 18-May-2012 18:44

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS12.i/8260L_10/05-03-12/18may12.b/o60389.d
Lab Smp Id: 460-40258-A-5-C Client Smp ID: DB-3 20.5-21'
Inj Date : 18-MAY-2012 10:43
Operator : VOAMS 9 Inst ID: VOAMS12.i
Smp Info : 460-40258-A-5-C;;;5.53;5
Misc Info : 460-40258-A-5-C
Comment   :
Method   : /chem/VOAMS12.i/8260L_10/05-03-12/18may12.b/8260L_10.m
Meth Date : 18-May-2012 04:32 audberto Quant Type: ISTD
Cal Date : 03-MAY-2012 18:57 Cal File: o59879.d
Als bottle: 15
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	5.53000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

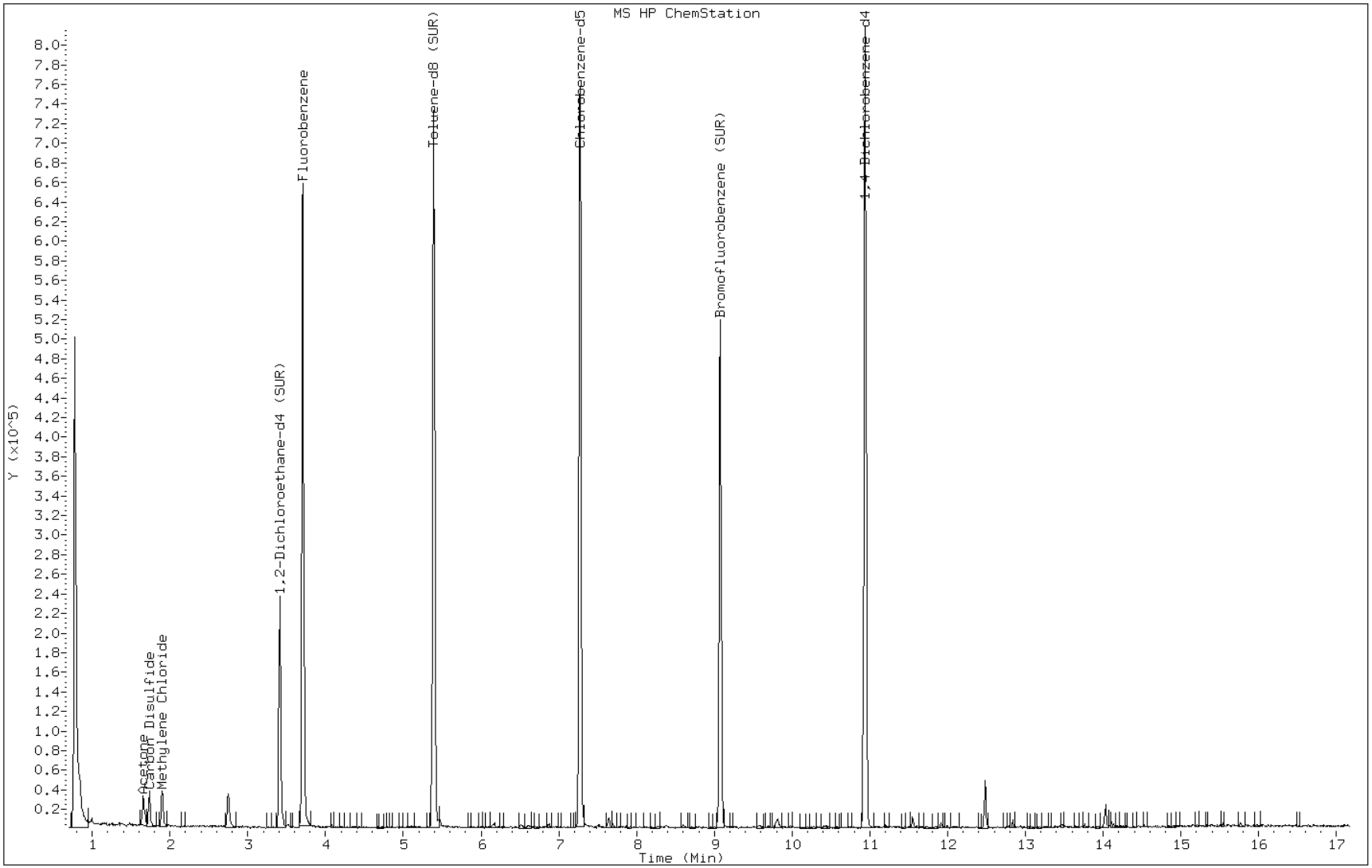
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
	7 Acetone	43	1.654	1.654	(0.446)	37436	38.8830	35
	8 Carbon Disulfide	76	1.733	1.733	(0.467)	40921	2.87803	2.6
	6 Methylene Chloride	84	1.898	1.897	(0.511)	15073	3.11203	2.8
$	16 1,2-Dichloroethane-d4 (SUR)	65	3.409	3.409	(0.919)	141603	58.2177	53
*	69 Fluorobenzene	96	3.710	3.703	(1.000)	593477	50.0000	
$	37 Toluene-d8 (SUR)	98	5.393	5.386	(0.741)	517969	53.2531	48
*	32 Chlorobenzene-d5	117	7.277	7.270	(1.000)	477262	50.0000	
$	41 Bromofluorobenzene (SUR)	174	9.075	9.075	(0.830)	179487	50.1399	45
*	91 1,4-Dichlorobenzene-d4	152	10.937	10.937	(1.000)	263147	50.0000	

Data File: o60389.d

Date: 18-MAY-2012 10:43

Client ID: DB-3 20.5-21' Instrument: VOAMS12.i

Sample Info: 460-40258-A-5-C;;;5.53;5 Operator: VOAMS 9



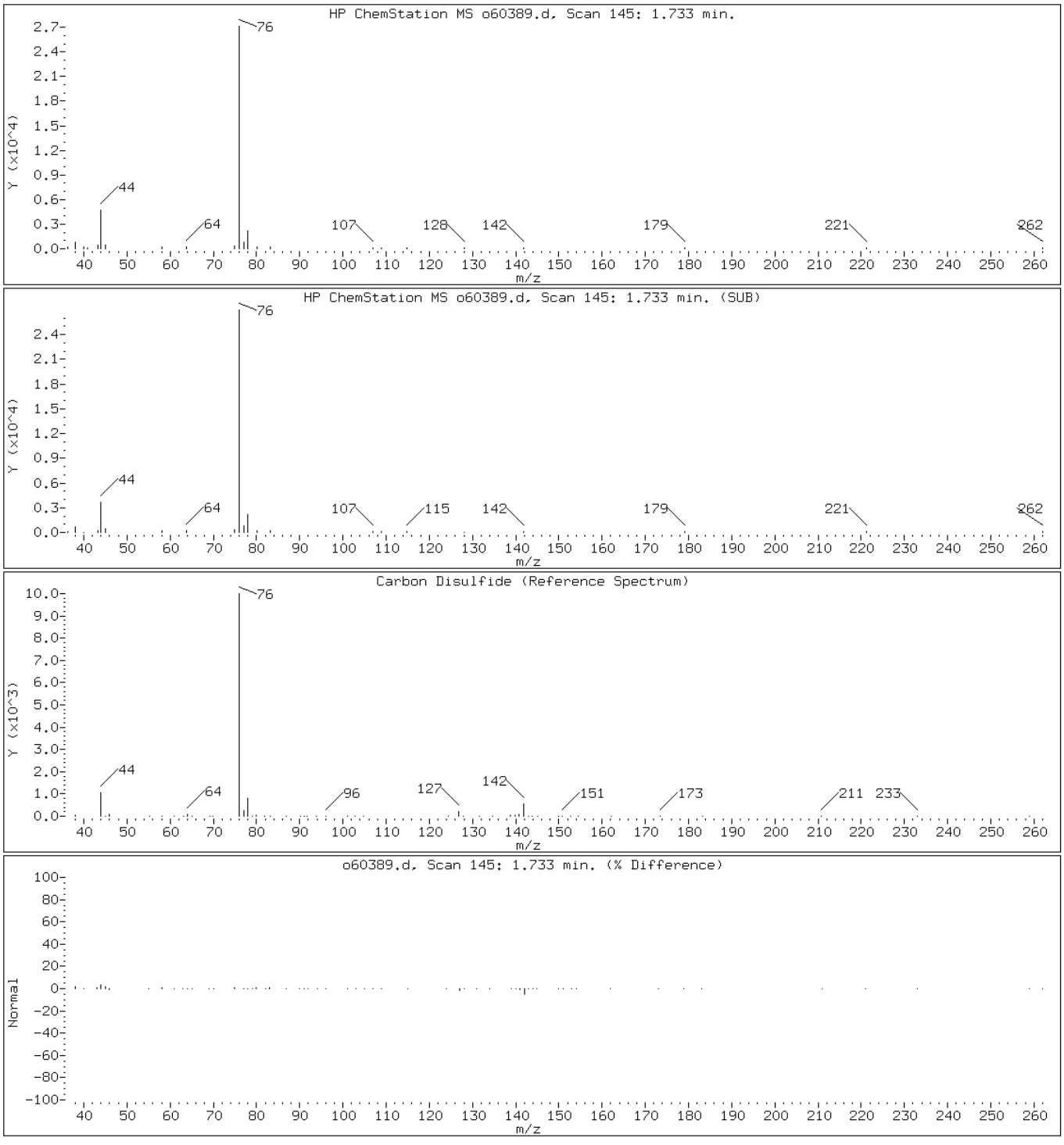
Data File: o60389.d

Date: 18-MAY-2012 10:43

Client ID: DB-3 20.5-21' Instrument: VOAMS12.i

Sample Info: 460-40258-A-5-C;;;5.53;5 Operator: VOAMS 9

8 Carbon Disulfide



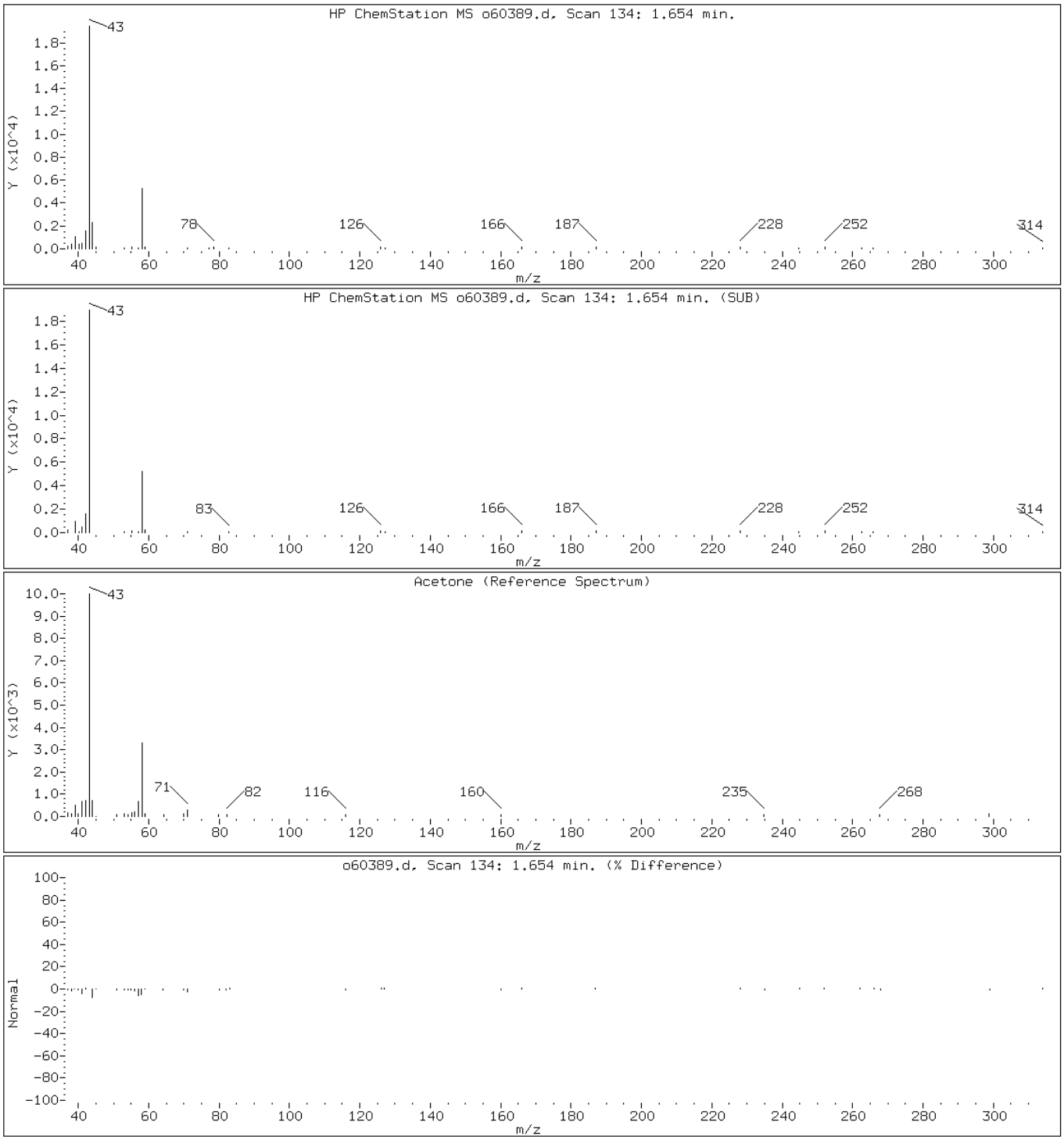
Data File: o60389.d

Date: 18-MAY-2012 10:43

Client ID: DB-3 20.5-21' Instrument: VOAMS12.i

Sample Info: 460-40258-A-5-C;;;5.53;5 Operator: VOAMS 9

7 Acetone



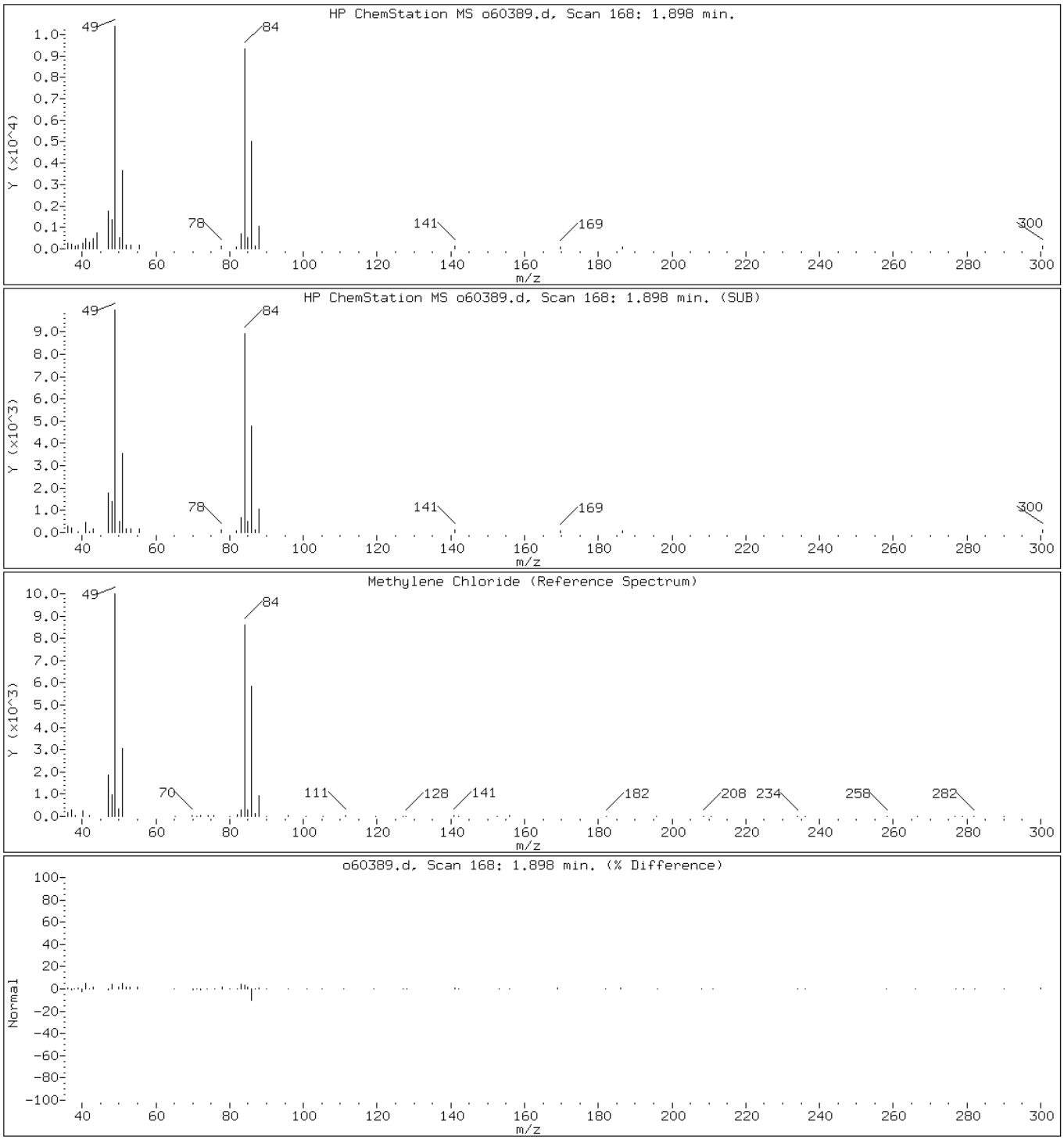
Data File: o60389.d

Date: 18-MAY-2012 10:43

Client ID: DB-3 20.5-21' Instrument: VOAMS12.i

Sample Info: 460-40258-A-5-C;;;5.53;5 Operator: VOAMS 9

6 Methylene Chloride



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-40258-1

SDG No.:

Client Sample ID: DB-3 30.5-31' | Lab Sample ID: 460-40258-6

Matrix: Solid | Lab File ID: o60390.d

Analysis Method: 8260B | Date Collected: 05/10/2012 16:55

Sample wt/vol: 5.31(g) | Date Analyzed: 05/18/2012 11:07

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 13.4 | Level: (low/med) Low

Analysis Batch No.: 113081 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-15-0	Carbon disulfide	0.63	J	1.1	0.16
127-18-4	Tetrachloroethene	0.13	U	1.1	0.13
78-87-5	1,2-Dichloropropane	0.16	U	1.1	0.16
108-10-1	4-Methyl-2-pentanone	0.22	U	11	0.22
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.12	U	1.1	0.12
124-48-1	Dibromochloromethane	0.11	U	1.1	0.11
120-82-1	1,2,4-Trichlorobenzene	0.21	U	1.1	0.21
100-42-5	Styrene	0.30	U	1.1	0.30
87-61-6	1,2,3-Trichlorobenzene	0.17	U	1.1	0.17
79-34-5	1,1,2,2-Tetrachloroethane	0.098	U	1.1	0.098
75-00-3	Chloroethane	0.36	U	1.1	0.36
78-93-3	2-Butanone	0.69	U	11	0.69
98-82-8	Isopropylbenzene	0.12	U	1.1	0.12
71-55-6	1,1,1-Trichloroethane	0.14	U	1.1	0.14
71-43-2	Benzene	0.16	U	1.1	0.16
10061-01-5	cis-1,3-Dichloropropene	0.15	U	1.1	0.15
74-97-5	Bromochloromethane	0.12	U	1.1	0.12
75-25-2	Bromoform	0.18	U	1.1	0.18
75-34-3	1,1-Dichloroethane	0.12	U	1.1	0.12
107-06-2	1,2-Dichloroethane	0.20	U	1.1	0.20
79-00-5	1,1,2-Trichloroethane	0.15	U	1.1	0.15
67-64-1	Acetone	9.1	J B	11	1.8
79-20-9	Methyl acetate	0.35	U	1.1	0.35
75-71-8	Dichlorodifluoromethane	0.24	U	1.1	0.24
75-09-2	Methylene Chloride	5.0	B	1.1	0.16
74-87-3	Chloromethane	0.17	U	1.1	0.17
74-83-9	Bromomethane	0.47	U	1.1	0.47
108-88-3	Toluene	0.15	U	1.1	0.15
95-47-6	o-Xylene	0.21	U	1.1	0.21
108-90-7	Chlorobenzene	0.20	U	1.1	0.20
96-12-8	1,2-Dibromo-3-Chloropropane	0.48	U	1.1	0.48
541-73-1	1,3-Dichlorobenzene	0.17	U	1.1	0.17
1634-04-4	MTBE	0.12	U	1.1	0.12
156-60-5	trans-1,2-Dichloroethene	0.14	U	1.1	0.14
123-91-1	1,4-Dioxane	14	U	54	14

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-40258-1

SDG No.:

Client Sample ID: DB-3 30.5-31' | Lab Sample ID: 460-40258-6

Matrix: Solid | Lab File ID: o60390.d

Analysis Method: 8260B | Date Collected: 05/10/2012 16:55

Sample wt/vol: 5.31(g) | Date Analyzed: 05/18/2012 11:07

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 13.4 | Level: (low/med) Low

Analysis Batch No.: 113081 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-35-4	1,1-Dichloroethene	0.21	U	1.1	0.21
95-50-1	1,2-Dichlorobenzene	0.11	U	1.1	0.11
79-01-6	Trichloroethene	0.13	U	1.1	0.13
591-78-6	2-Hexanone	0.14	U	11	0.14
100-41-4	Ethylbenzene	0.18	U	1.1	0.18
108-87-2	Methylcyclohexane	0.11	U	1.1	0.11
75-69-4	Trichlorofluoromethane	0.17	U	1.1	0.17
110-82-7	Cyclohexane	0.14	U	1.1	0.14
10061-02-6	trans-1,3-Dichloropropene	0.11	U	1.1	0.11
156-59-2	cis-1,2-Dichloroethene	0.12	U	1.1	0.12
67-66-3	Chloroform	0.26	U	1.1	0.26
179601-23-1	m&p-Xylene	0.64	U	2.2	0.64
75-01-4	Vinyl chloride	0.37	U	1.1	0.37
106-93-4	1,2-Dibromoethane	0.16	U	1.1	0.16
56-23-5	Carbon tetrachloride	0.16	U	1.1	0.16
106-46-7	1,4-Dichlorobenzene	0.12	U	1.1	0.12
75-27-4	Bromodichloromethane	0.35	U	1.1	0.35
104-51-8	n-Butylbenzene	0.087	U	1.1	0.087
95-63-6	1,2,4-Trimethylbenzene	0.16	U	1.1	0.16
135-98-8	sec-Butylbenzene	0.14	U	1.1	0.14
103-65-1	N-Propylbenzene	0.16	U	1.1	0.16
108-67-8	1,3,5-Trimethylbenzene	0.13	U	1.1	0.13
98-06-6	tert-Butylbenzene	0.13	U	1.1	0.13
99-87-6	p-Isopropyltoluene	0.15	U	1.1	0.15

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	Bromofluorobenzene	103		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	118		70-130
2037-26-5	Toluene-d8 (Surr)	104		70-130

Data File: /chem/VOAMS12.i/8260L_10/05-03-12/18may12.b/o60390.d
Report Date: 22-May-2012 08:56

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS12.i/8260L_10/05-03-12/18may12.b/o60390.d
Lab Smp Id: 460-40258-A-6-C Client Smp ID: DB-3 30.5-31'
Inj Date : 18-MAY-2012 11:07
Operator : VOAMS 9 Inst ID: VOAMS12.i
Smp Info : 460-40258-A-6-C;;;5.31;5
Misc Info : 460-40258-A-6-C
Comment   :
Method   : /chem/VOAMS12.i/8260L_10/05-03-12/18may12.b/8260L_10.m
Meth Date : 18-May-2012 04:32 audberto Quant Type: ISTD
Cal Date : 03-MAY-2012 18:57 Cal File: o59879.d
Als bottle: 16
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	5.31000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
	7 Acetone	43	1.661	1.654	(0.448)	6508	8.36814	7.9(a)
	8 Carbon Disulfide	76	1.733	1.733	(0.467)	6614	0.57587	0.54(a)
	6 Methylene Chloride	84	1.898	1.897	(0.511)	18108	4.62834	4.4
$	16 1,2-Dichloroethane-d4 (SUR)	65	3.409	3.409	(0.919)	115592	58.8331	55
*	69 Fluorobenzene	96	3.710	3.703	(1.000)	479394	50.0000	
$	37 Toluene-d8 (SUR)	98	5.386	5.386	(0.740)	449269	51.9685	49
*	32 Chlorobenzene-d5	117	7.277	7.270	(1.000)	424194	50.0000	
$	41 Bromofluorobenzene (SUR)	174	9.075	9.075	(0.830)	168680	51.5115	48
*	91 1,4-Dichlorobenzene-d4	152	10.937	10.937	(1.000)	240718	50.0000	

QC Flag Legend

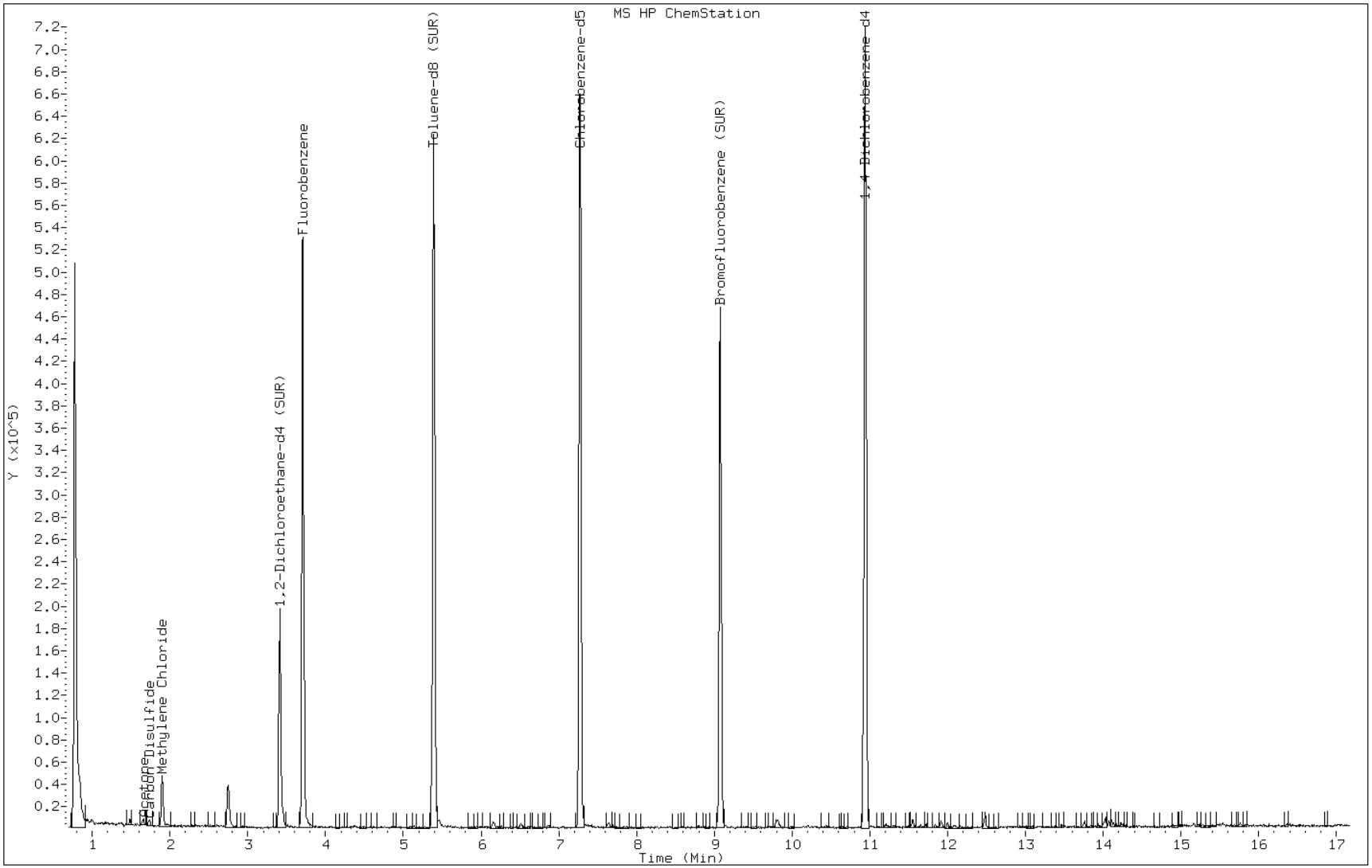
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).

Data File: o60390.d

Date: 18-MAY-2012 11:07

Client ID: DB-3 30.5-31' Instrument: VOAMS12.i

Sample Info: 460-40258-A-6-C;;;5.31;5 Operator: VOAMS 9



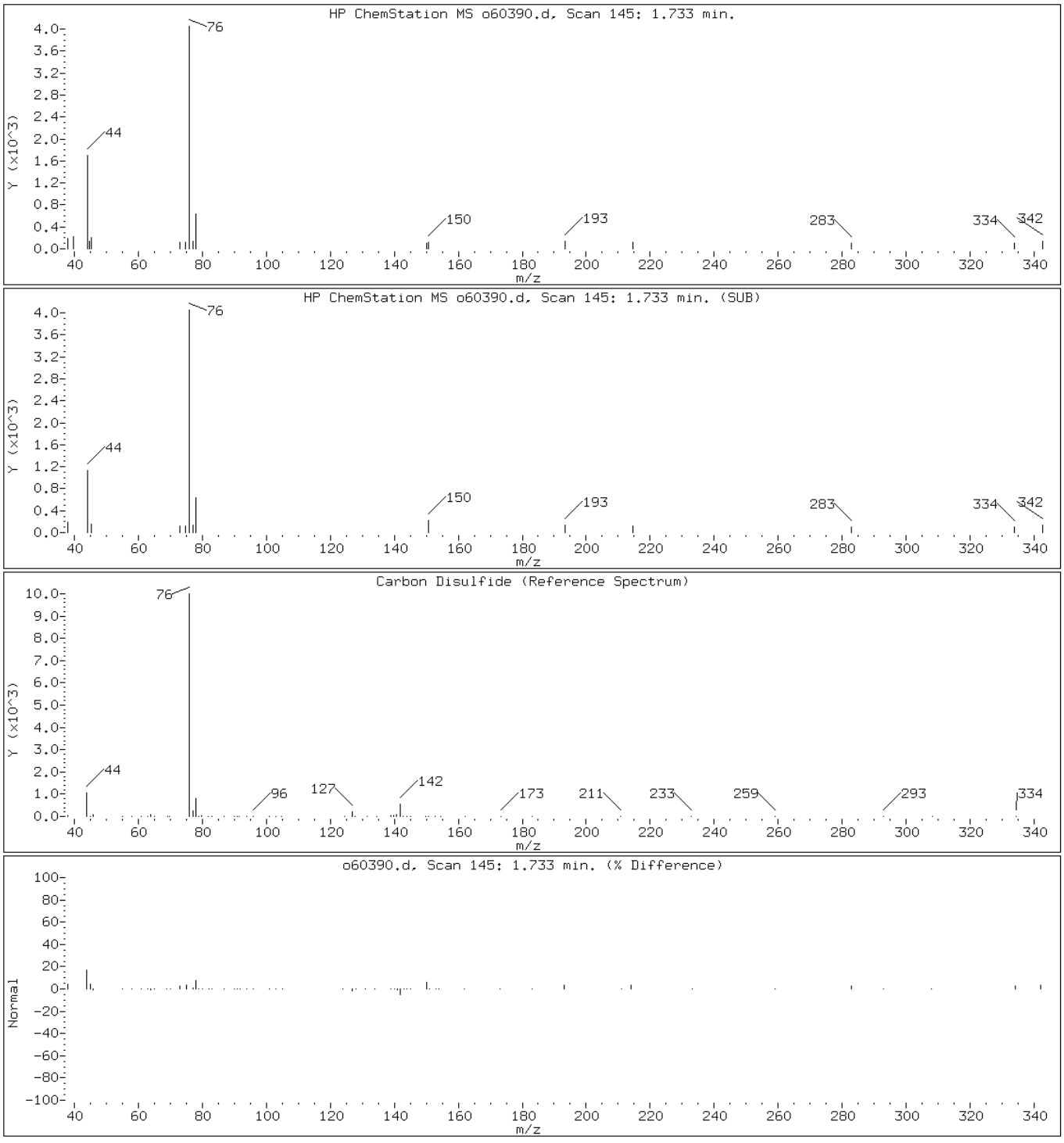
Data File: o60390.d

Date: 18-MAY-2012 11:07

Client ID: DB-3 30.5-31' Instrument: VOAMS12.i

Sample Info: 460-40258-A-6-C;;;5.31;5 Operator: VOAMS 9

8 Carbon Disulfide



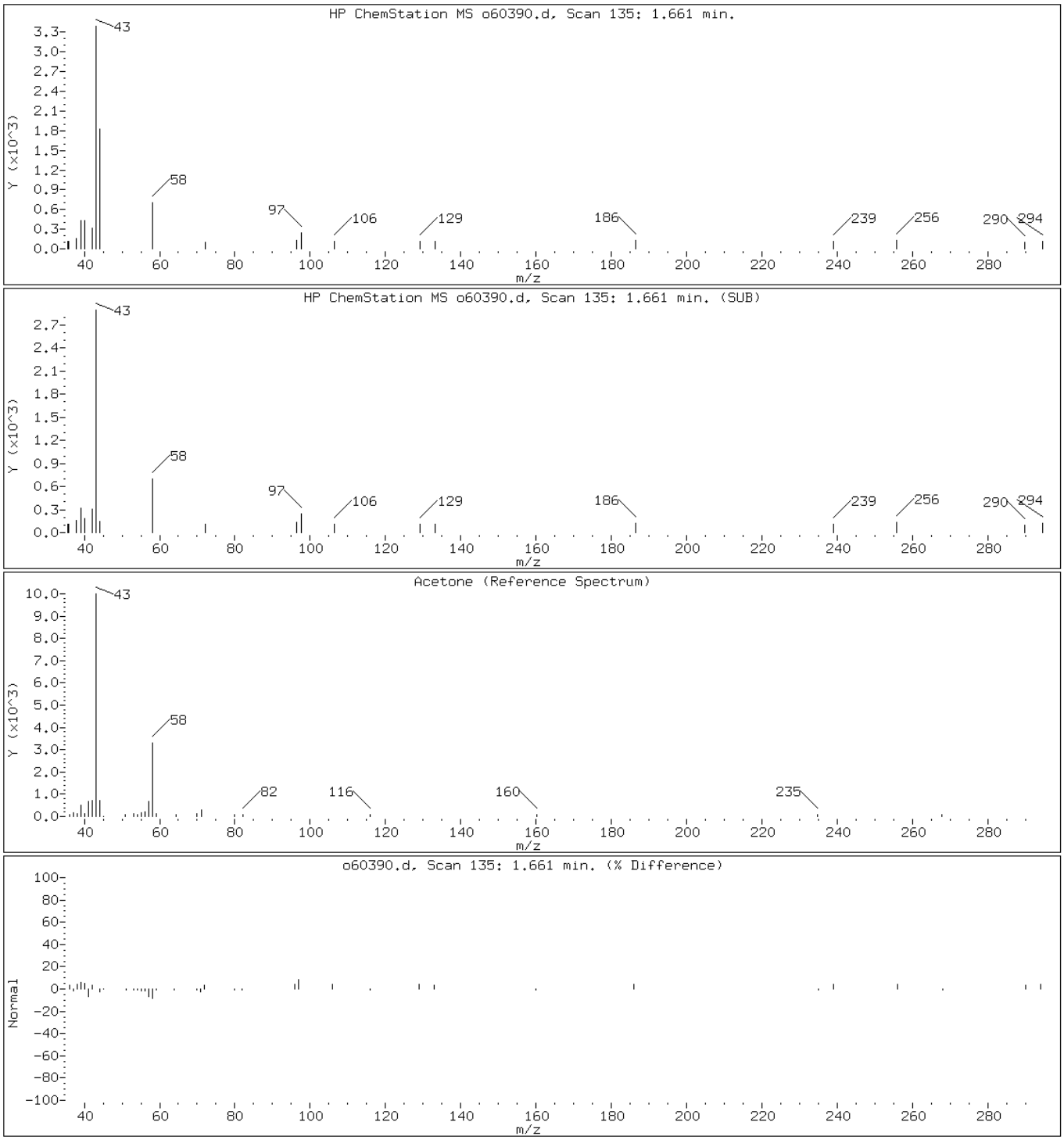
Data File: o60390.d

Date: 18-MAY-2012 11:07

Client ID: DB-3 30.5-31' Instrument: VOAMS12.i

Sample Info: 460-40258-A-6-C;;;5.31;5 Operator: VOAMS 9

7 Acetone



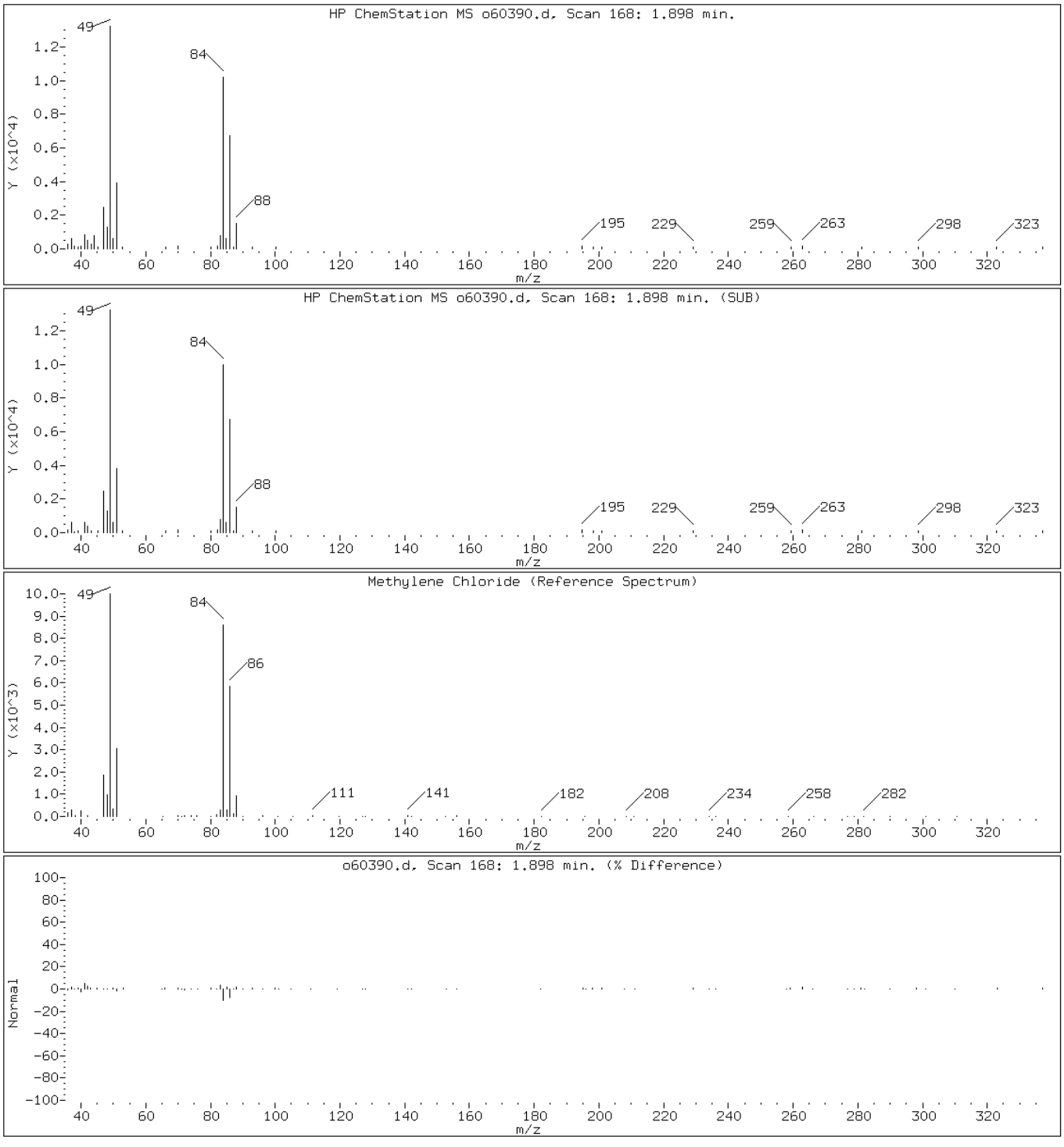
Data File: o60390.d

Date: 18-MAY-2012 11:07

Client ID: DB-3 30.5-31' Instrument: VOAMS12.i

Sample Info: 460-40258-A-6-C;;;5.31;5 Operator: VOAMS 9

6 Methylene Chloride



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-40258-1

SDG No.:

Client Sample ID: DB-5 21-21.5' | Lab Sample ID: 460-40258-7

Matrix: Solid | Lab File ID: b42267.d

Analysis Method: 8260B | Date Collected: 05/11/2012 14:35

Sample wt/vol: 5.24(g) | Date Analyzed: 05/18/2012 10:55

Soil Aliquot Vol: 5 (mL) | Dilution Factor: 50

Soil Extract Vol.: 10(mL) | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: 15.9 | Level: (low/med) Medium

Analysis Batch No.: 113082 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-15-0	Carbon disulfide	14	U	110	14
127-18-4	Tetrachloroethene	11	U	110	11
78-87-5	1,2-Dichloropropane	9.8	U	110	9.8
108-10-1	4-Methyl-2-pentanone	110	U	570	110
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	9.3	U	110	9.3
124-48-1	Dibromochloromethane	23	U	110	23
120-82-1	1,2,4-Trichlorobenzene	39	U	110	39
100-42-5	Styrene	13	U	110	13
87-61-6	1,2,3-Trichlorobenzene	58	U	110	58
79-34-5	1,1,2,2-Tetrachloroethane	18	U	110	18
75-00-3	Chloroethane	19	U	110	19
78-93-3	2-Butanone	260	U	570	260
98-82-8	Isopropylbenzene	75	J	110	8.7
71-55-6	1,1,1-Trichloroethane	7.1	U	110	7.1
71-43-2	Benzene	9.4	U	110	9.4
10061-01-5	cis-1,3-Dichloropropene	21	U	110	21
74-97-5	Bromochloromethane	31	U	110	31
75-25-2	Bromoform	22	U	110	22
75-34-3	1,1-Dichloroethane	15	U	110	15
107-06-2	1,2-Dichloroethane	21	U	110	21
79-00-5	1,1,2-Trichloroethane	21	U	110	21
67-64-1	Acetone	300	U	570	300
79-20-9	Methyl acetate	38	U	230	38
75-71-8	Dichlorodifluoromethane	24	U	110	24
75-09-2	Methylene Chloride	21	U	110	21
74-87-3	Chloromethane	11	U	110	11
74-83-9	Bromomethane	21	U	110	21
108-88-3	Toluene	17	U	110	17
95-47-6	o-Xylene	15	U	110	15
108-90-7	Chlorobenzene	12	U	110	12
96-12-8	1,2-Dibromo-3-Chloropropane	45	U	110	45
541-73-1	1,3-Dichlorobenzene	15	U	110	15
1634-04-4	MTBE	16	U	110	16
156-60-5	trans-1,2-Dichloroethene	15	U	110	15
123-91-1	1,4-Dioxane	4100	U	5700	4100

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-40258-1

SDG No.:

Client Sample ID: DB-5 21-21.5' | Lab Sample ID: 460-40258-7

Matrix: Solid | Lab File ID: b42267.d

Analysis Method: 8260B | Date Collected: 05/11/2012 14:35

Sample wt/vol: 5.24(g) | Date Analyzed: 05/18/2012 10:55

Soil Aliquot Vol: 5 (mL) | Dilution Factor: 50

Soil Extract Vol.: 10(mL) | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: 15.9 | Level: (low/med) Medium

Analysis Batch No.: 113082 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-35-4	1,1-Dichloroethene	10	U	110	10
95-50-1	1,2-Dichlorobenzene	23	U	110	23
79-01-6	Trichloroethene	10	U	110	10
591-78-6	2-Hexanone	57	U	570	57
100-41-4	Ethylbenzene	11	U	110	11
108-87-2	Methylcyclohexane	3600		110	15
75-69-4	Trichlorofluoromethane	17	U	110	17
110-82-7	Cyclohexane	18	U	110	18
10061-02-6	trans-1,3-Dichloropropene	28	U	110	28
156-59-2	cis-1,2-Dichloroethene	20	U	110	20
67-66-3	Chloroform	8.9	U	110	8.9
179601-23-1	m&p-Xylene	28	U	230	28
75-01-4	Vinyl chloride	16	U	110	16
106-93-4	1,2-Dibromoethane	31	U	110	31
56-23-5	Carbon tetrachloride	6.5	U	110	6.5
106-46-7	1,4-Dichlorobenzene	26	U	110	26
75-27-4	Bromodichloromethane	14	U	110	14
104-51-8	n-Butylbenzene	39	J	110	16
95-63-6	1,2,4-Trimethylbenzene	15	U	110	15
135-98-8	sec-Butylbenzene	56	J	110	21
103-65-1	N-Propylbenzene	73	J	110	11
108-67-8	1,3,5-Trimethylbenzene	17	U	110	17
98-06-6	tert-Butylbenzene	20	J	110	13
99-87-6	p-Isopropyltoluene	15	U	110	15

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	84		75-135
2037-26-5	Toluene-d8 (Surr)	79		59-150

Data File: /chem/VOAMS2.i/8260_09/04-24-12/18may12.b/b42267.d
Report Date: 22-May-2012 11:19

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS2.i/8260_09/04-24-12/18may12.b/b42267.d
Lab Smp Id: 460-40258-A-7-B Client Smp ID: DB-5 21-21.5'
Inj Date : 18-MAY-2012 10:55
Operator : VOA GC/MS2 Inst ID: VOAMS2.i
Smp Info : 460-40258-A-7-B;50;;5.24;10
Misc Info : 460-40258-A-7-B
Comment   :
Method   : /chem/VOAMS2.i/8260_09/04-24-12/18may12.b/8260_09.m
Meth Date : 18-May-2012 04:40 audberto Quant Type: ISTD
Cal Date : 24-APR-2012 23:35 Cal File: b41439.d
Als bottle: 19
Dil Factor: 50.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * (Vt/Ws)/((100-M)/100) * CpndVariable

Name	Value	Description
DF	50.00000	Dilution Factor
Vt	10.00000	Volume of final extract (mL)
Ws	5.24000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
$ 47 1,2-Dichloroethane-d4 (SUR)	65	4.805	4.805	(0.939)	179559	42.0392	4000
* 52 Fluorobenzene	96	5.118	5.118	(1.000)	663953	50.0000	
56 Methyl cyclohexane	83	5.653	5.653	(1.105)	140538	32.1269	3100
$ 65 Toluene-d8 (SUR)	98	7.036	7.044	(0.826)	440756	39.2708	3700
* 78 Chlorobenzene-d5	117	8.517	8.525	(1.000)	477818	50.0000	
88 Isopropylbenzene	105	9.365	9.365	(1.100)	8369	0.66023	63(a)
$ 89 Bromofluorobenzene (SUR)	174	9.521	9.521	(0.917)	167947	41.5425	4000
95 n-Propylbenzene	91	9.686	9.694	(0.933)	10294	0.64055	61(a)
100 tert-Butylbenzene	119	10.064	10.064	(0.969)	1866	0.17852	17(a)
103 sec-Butylbenzene	105	10.229	10.229	(0.985)	7641	0.49725	47(aH)
* 108 1,4-Dichlorobenzene-d4	152	10.385	10.393	(1.000)	251965	50.0000	
106 n-Butylbenzene	91	10.632	10.632	(1.024)	4215	0.34303	33(a)

Data File: /chem/VOAMS2.i/8260_09/04-24-12/18may12.b/b42267.d
Report Date: 22-May-2012 11:19

QC Flag Legend

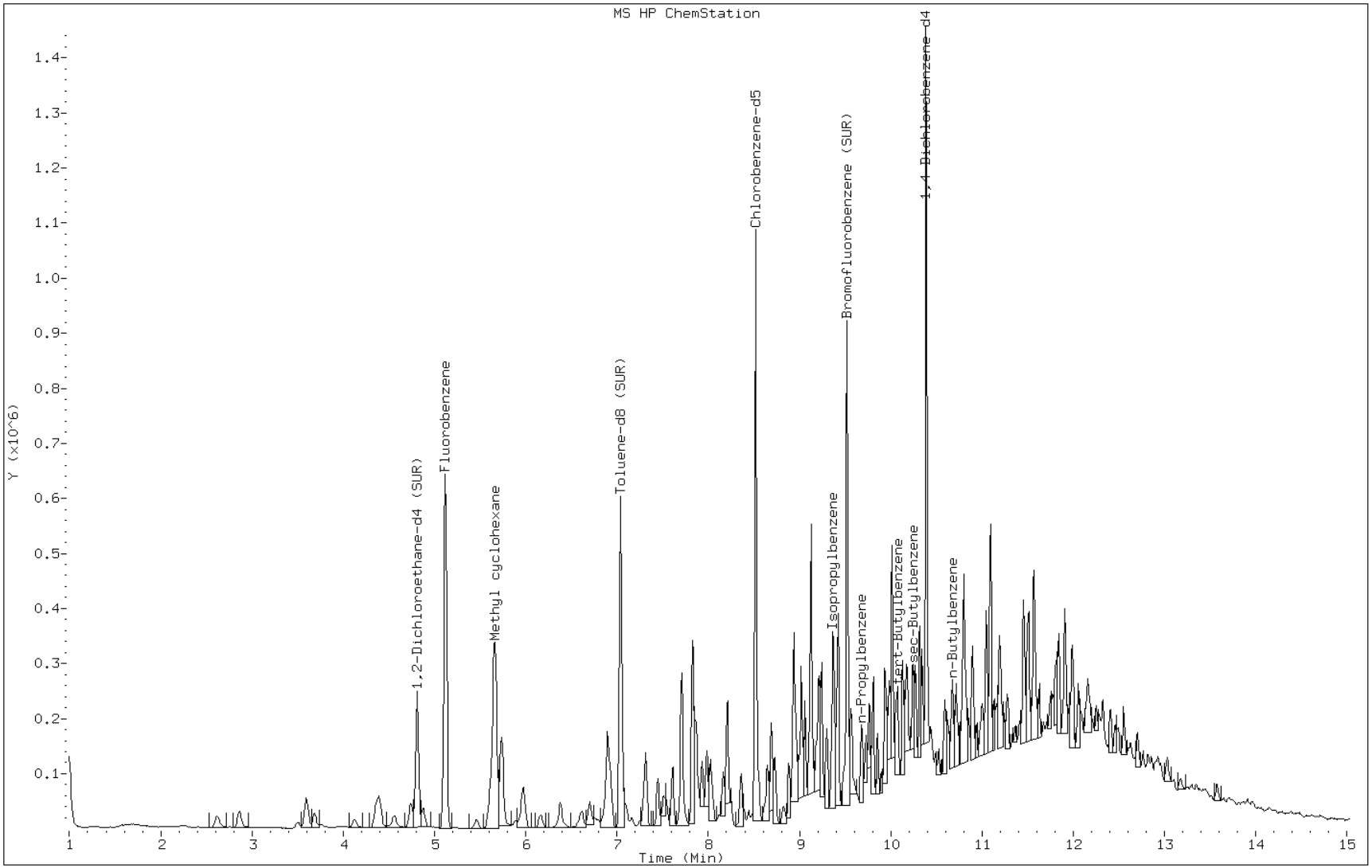
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
H - Operator selected an alternate compound hit.

Data File: b42267.d

Date: 18-MAY-2012 10:55

Client ID: DB-5 21-21.5' Instrument: VOAMS2.i

Sample Info: 460-40258-A-7-B;50;;5.24;10 Operator: VOA GC/MS2



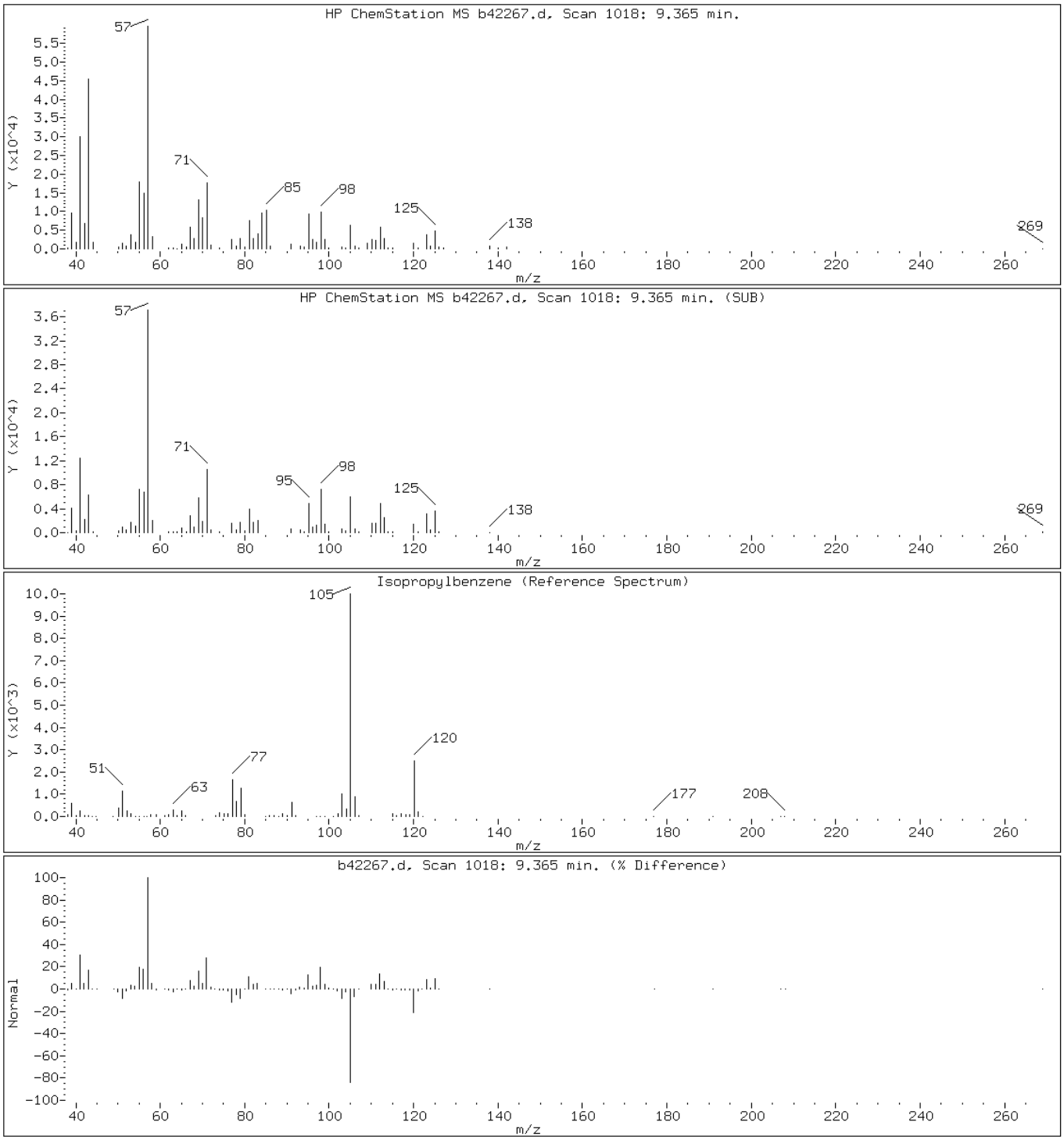
Data File: b42267.d

Date: 18-MAY-2012 10:55

Client ID: DB-5 21-21.5' Instrument: VOAMS2.i

Sample Info: 460-40258-A-7-B;50;;5.24;10 Operator: VOA GC/MS2

88 Isopropylbenzene



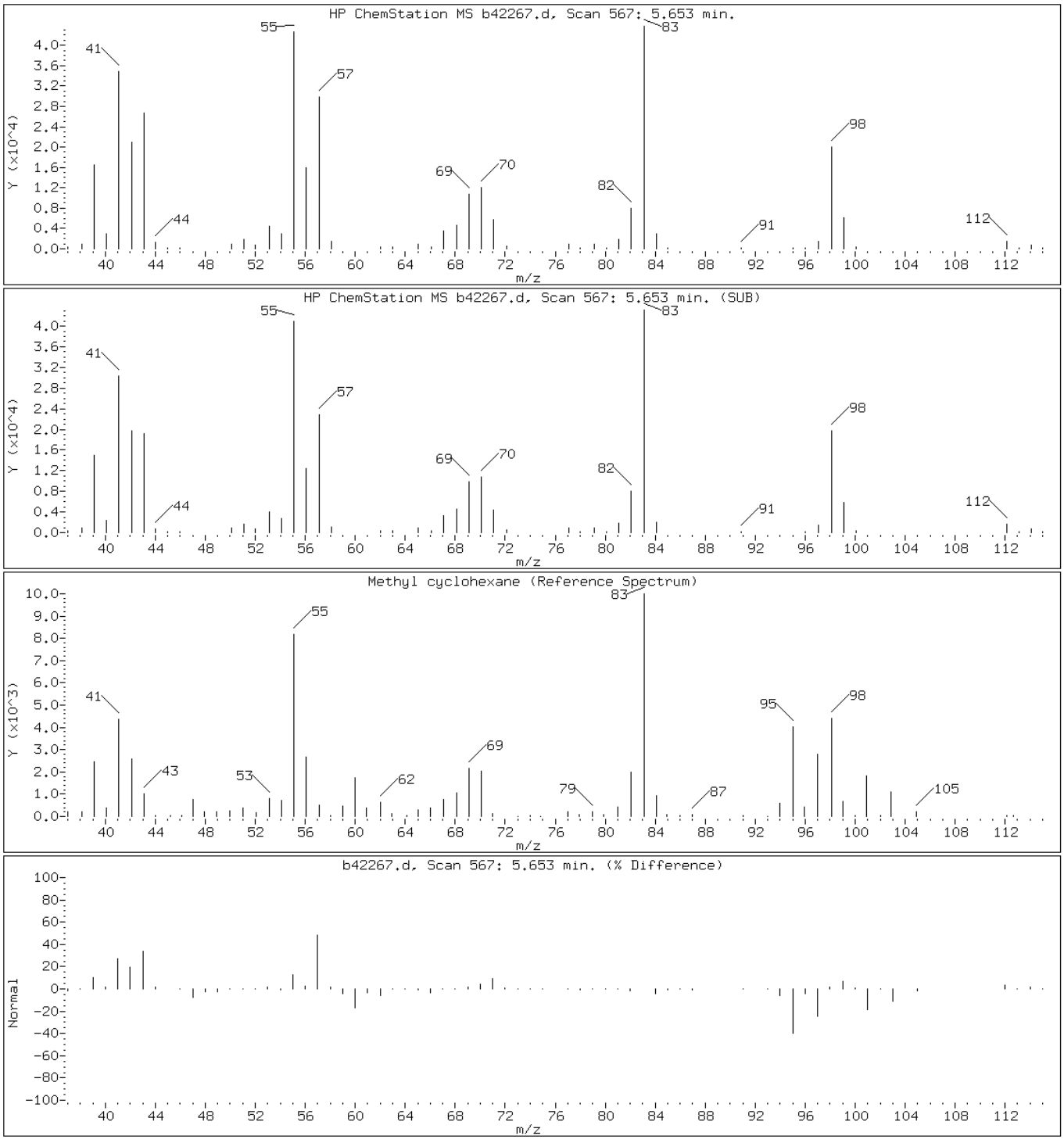
Data File: b42267.d

Date: 18-MAY-2012 10:55

Client ID: DB-5 21-21.5' Instrument: VOAMS2.i

Sample Info: 460-40258-A-7-B;50;;5.24;10 Operator: VOA GC/MS2

56 Methyl cyclohexane



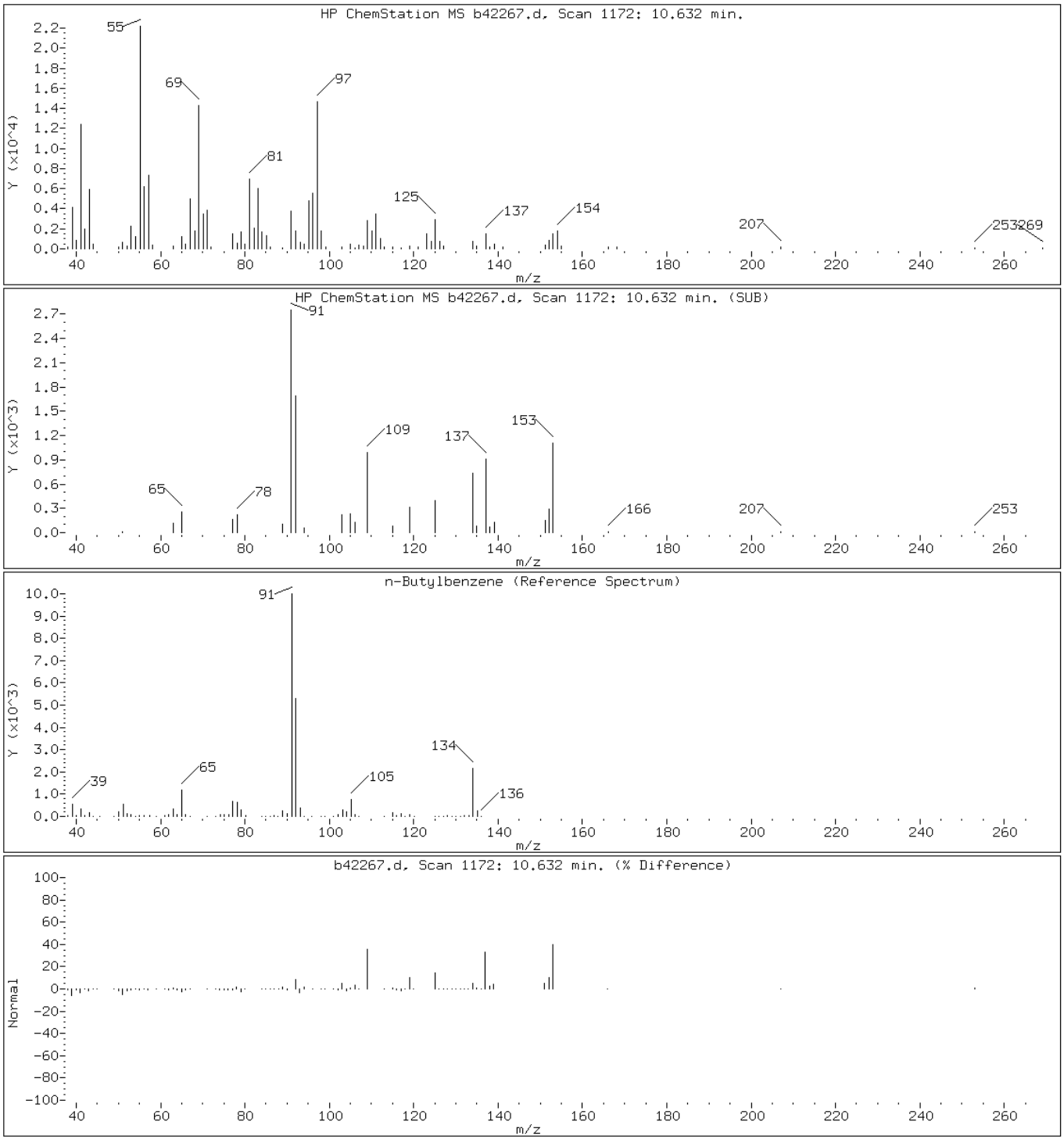
Data File: b42267.d

Date: 18-MAY-2012 10:55

Client ID: DB-5 21-21.5' Instrument: VOAMS2.i

Sample Info: 460-40258-A-7-B;50;;5.24;10 Operator: VOA GC/MS2

106 n-Butylbenzene



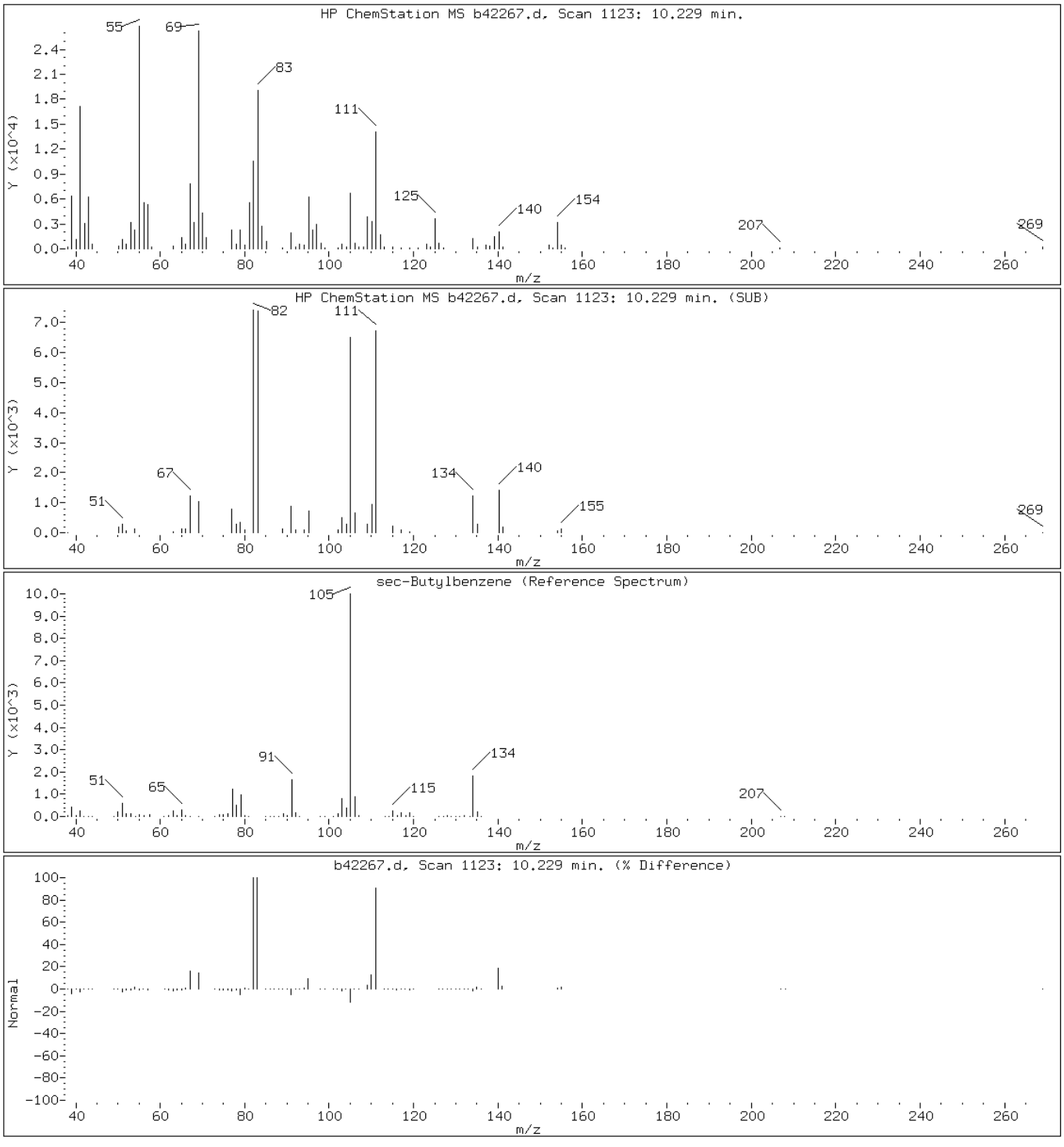
Data File: b42267.d

Date: 18-MAY-2012 10:55

Client ID: DB-5 21-21.5' Instrument: VOAMS2.i

Sample Info: 460-40258-A-7-B;50;;5.24;10 Operator: VOA GC/MS2

103 sec-Butylbenzene



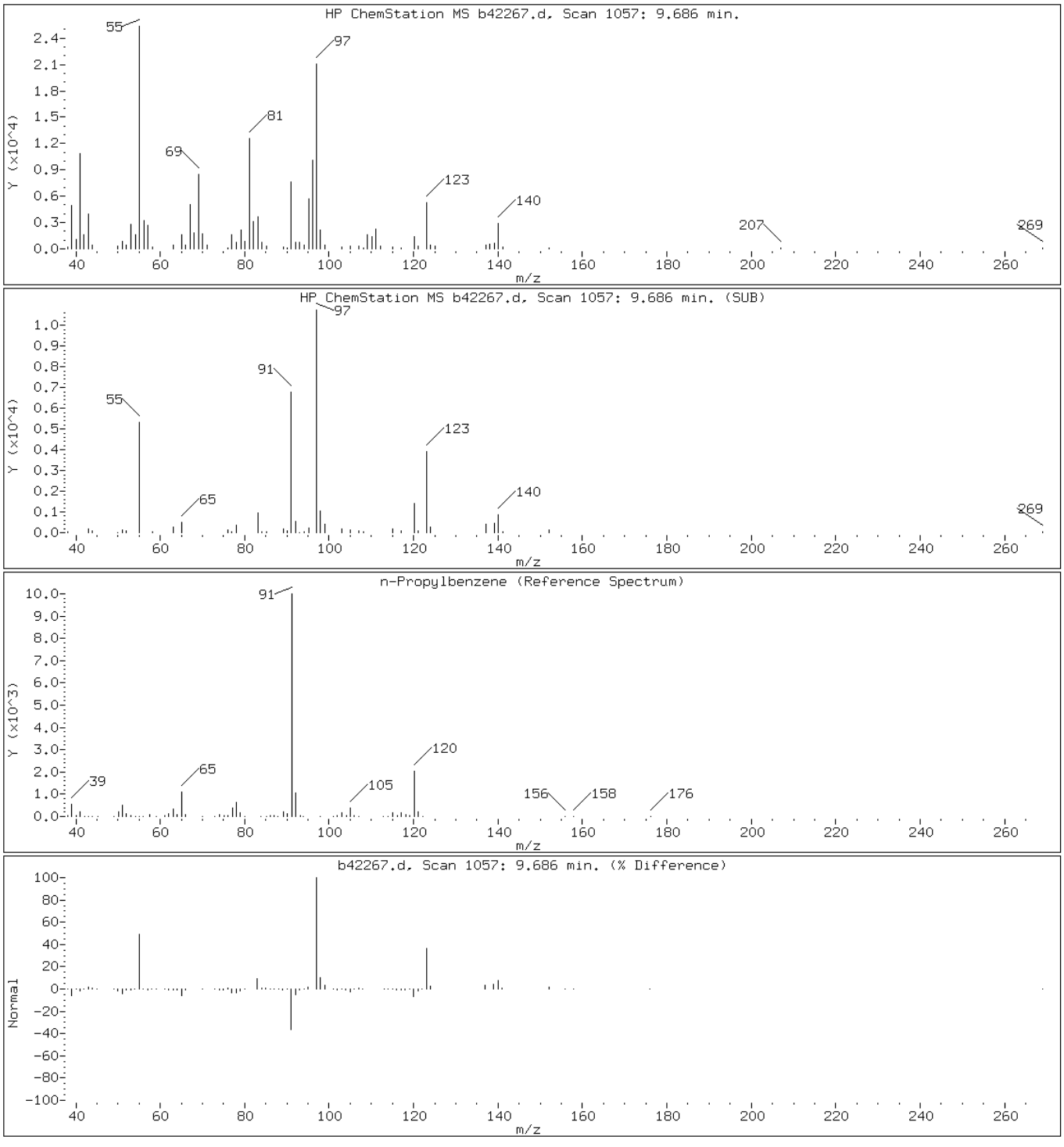
Data File: b42267.d

Date: 18-MAY-2012 10:55

Client ID: DB-5 21-21.5' Instrument: VOAMS2.i

Sample Info: 460-40258-A-7-B;50;;5.24;10 Operator: VOA GC/MS2

95 n-Propylbenzene



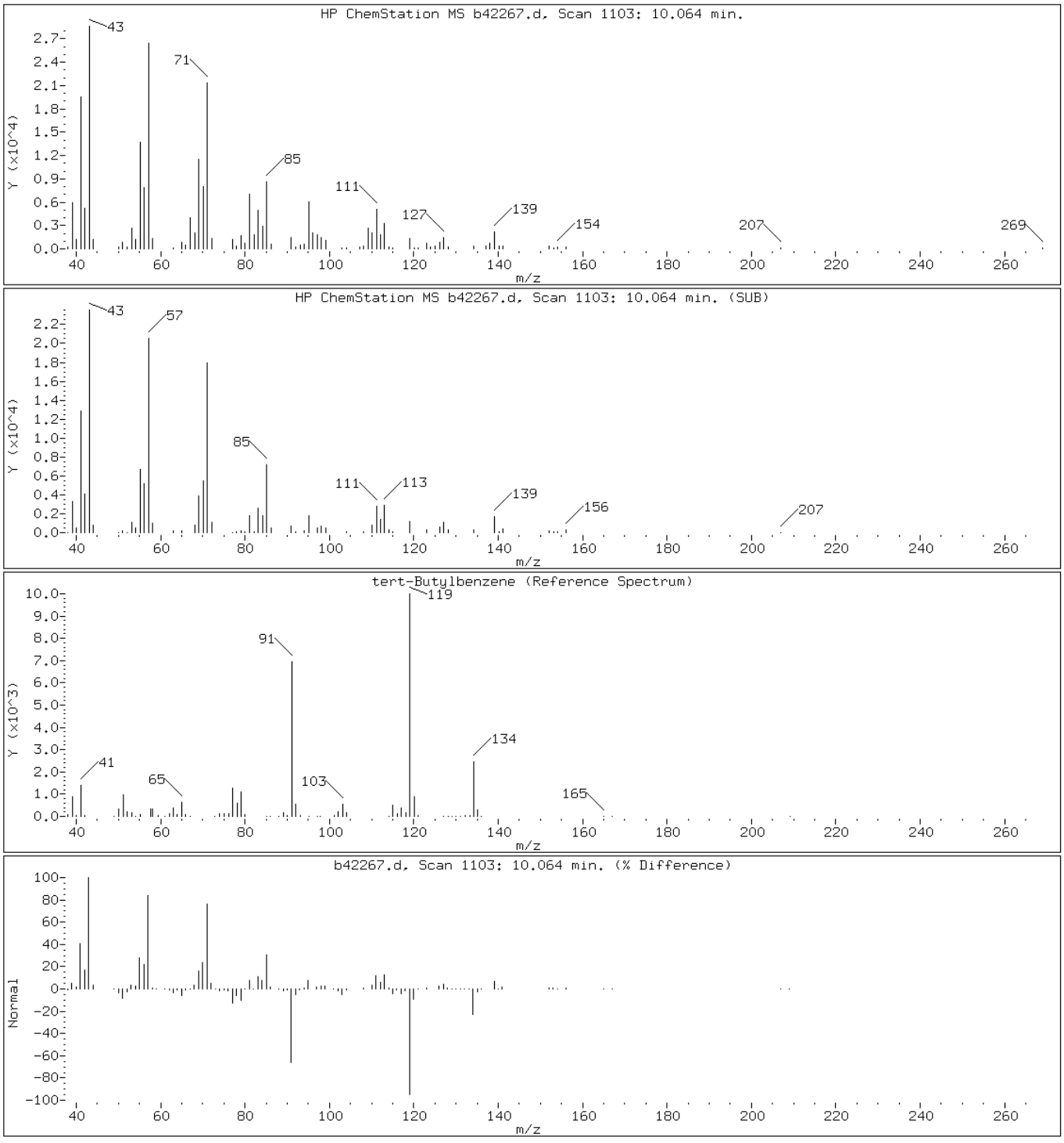
Data File: b42267.d

Date: 18-MAY-2012 10:55

Client ID: DB-5 21-21.5' Instrument: VOAMS2.i

Sample Info: 460-40258-A-7-B;50;;5.24;10 Operator: VOA GC/MS2

100 tert-Butylbenzene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-40258-1

SDG No.:

Client Sample ID: DB-5 35-35.5' | Lab Sample ID: 460-40258-8

Matrix: Solid | Lab File ID: o60391.d

Analysis Method: 8260B | Date Collected: 05/11/2012 14:50

Sample wt/vol: 5.21(g) | Date Analyzed: 05/18/2012 11:32

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 19.5 | Level: (low/med) Low

Analysis Batch No.: 113081 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-15-0	Carbon disulfide	0.86	J	1.2	0.18
127-18-4	Tetrachloroethene	0.14	U	1.2	0.14
78-87-5	1,2-Dichloropropane	0.18	U	1.2	0.18
108-10-1	4-Methyl-2-pentanone	0.24	U	12	0.24
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.13	U	1.2	0.13
124-48-1	Dibromochloromethane	0.12	U	1.2	0.12
120-82-1	1,2,4-Trichlorobenzene	0.23	U	1.2	0.23
100-42-5	Styrene	0.33	U	1.2	0.33
87-61-6	1,2,3-Trichlorobenzene	0.19	U	1.2	0.19
79-34-5	1,1,2,2-Tetrachloroethane	0.11	U	1.2	0.11
75-00-3	Chloroethane	0.39	U	1.2	0.39
78-93-3	2-Butanone	0.75	U	12	0.75
98-82-8	Isopropylbenzene	0.13	U	1.2	0.13
71-55-6	1,1,1-Trichloroethane	0.15	U	1.2	0.15
71-43-2	Benzene	0.82	J	1.2	0.18
10061-01-5	cis-1,3-Dichloropropene	0.17	U	1.2	0.17
74-97-5	Bromochloromethane	0.13	U	1.2	0.13
75-25-2	Bromoform	0.20	U	1.2	0.20
75-34-3	1,1-Dichloroethane	0.13	U	1.2	0.13
107-06-2	1,2-Dichloroethane	0.21	U	1.2	0.21
79-00-5	1,1,2-Trichloroethane	0.17	U	1.2	0.17
67-64-1	Acetone	39	B	12	2.0
79-20-9	Methyl acetate	0.38	U	1.2	0.38
75-71-8	Dichlorodifluoromethane	0.26	U	1.2	0.26
75-09-2	Methylene Chloride	1.3	B	1.2	0.18
74-87-3	Chloromethane	0.19	U	1.2	0.19
74-83-9	Bromomethane	0.51	U	1.2	0.51
108-88-3	Toluene	0.83	J B	1.2	0.17
95-47-6	o-Xylene	2.1		1.2	0.23
108-90-7	Chlorobenzene	0.21	U	1.2	0.21
96-12-8	1,2-Dibromo-3-Chloropropane	0.52	U	1.2	0.52
541-73-1	1,3-Dichlorobenzene	0.19	U	1.2	0.19
1634-04-4	MTBE	0.13	U	1.2	0.13
156-60-5	trans-1,2-Dichloroethene	0.15	U	1.2	0.15
123-91-1	1,4-Dioxane	15	U	60	15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-40258-1

SDG No.:

Client Sample ID: DB-5 35-35.5' | Lab Sample ID: 460-40258-8

Matrix: Solid | Lab File ID: o60391.d

Analysis Method: 8260B | Date Collected: 05/11/2012 14:50

Sample wt/vol: 5.21(g) | Date Analyzed: 05/18/2012 11:32

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 19.5 | Level: (low/med) Low

Analysis Batch No.: 113081 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-35-4	1,1-Dichloroethene	0.23	U	1.2	0.23
95-50-1	1,2-Dichlorobenzene	0.12	U	1.2	0.12
79-01-6	Trichloroethene	0.14	U	1.2	0.14
591-78-6	2-Hexanone	0.15	U	12	0.15
100-41-4	Ethylbenzene	3.7		1.2	0.20
108-87-2	Methylcyclohexane	0.12	U	1.2	0.12
75-69-4	Trichlorofluoromethane	0.19	U	1.2	0.19
110-82-7	Cyclohexane	0.15	U	1.2	0.15
10061-02-6	trans-1,3-Dichloropropene	0.12	U	1.2	0.12
156-59-2	cis-1,2-Dichloroethene	0.13	U	1.2	0.13
67-66-3	Chloroform	0.29	U	1.2	0.29
179601-23-1	m&p-Xylene	1.5	J	2.4	0.70
75-01-4	Vinyl chloride	0.41	U	1.2	0.41
106-93-4	1,2-Dibromoethane	0.18	U	1.2	0.18
56-23-5	Carbon tetrachloride	0.18	U	1.2	0.18
106-46-7	1,4-Dichlorobenzene	0.13	U	1.2	0.13
75-27-4	Bromodichloromethane	0.38	U	1.2	0.38
104-51-8	n-Butylbenzene	0.095	U	1.2	0.095
95-63-6	1,2,4-Trimethylbenzene	2.4		1.2	0.18
135-98-8	sec-Butylbenzene	0.15	U	1.2	0.15
103-65-1	N-Propylbenzene	0.18	J	1.2	0.18
108-67-8	1,3,5-Trimethylbenzene	0.68	J	1.2	0.14
98-06-6	tert-Butylbenzene	0.14	U	1.2	0.14
99-87-6	p-Isopropyltoluene	0.17	U	1.2	0.17

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	Bromofluorobenzene	99		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	115		70-130
2037-26-5	Toluene-d8 (Surr)	101		70-130

Data File: /chem/VOAMS12.i/8260L_10/05-03-12/18may12.b/o60391.d
Report Date: 22-May-2012 08:58

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS12.i/8260L_10/05-03-12/18may12.b/o60391.d
Lab Smp Id: 460-40258-A-8-C Client Smp ID: DB-5 35-35.5'
Inj Date : 18-MAY-2012 11:32
Operator : VOAMS 9 Inst ID: VOAMS12.i
Smp Info : 460-40258-A-8-C;;;5.21;5
Misc Info : 460-40258-A-8-C
Comment   :
Method   : /chem/VOAMS12.i/8260L_10/05-03-12/18may12.b/8260L_10.m
Meth Date : 18-May-2012 04:32 audberto Quant Type: ISTD
Cal Date : 03-MAY-2012 18:57 Cal File: o59879.d
Als bottle: 17
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	5.21000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
	7 Acetone	43	1.654	1.654	(0.446)	27534	32.5847	31
	8 Carbon Disulfide	76	1.733	1.733	(0.467)	8982	0.71977	0.69(a)
	6 Methylene Chloride	84	1.897	1.897	(0.511)	4697	1.10494	1.1
$	16 1,2-Dichloroethane-d4 (SUR)	65	3.409	3.409	(0.919)	122522	57.3945	55
	28 Benzene	78	3.452	3.445	(0.930)	10723	0.68810	0.66(a)
*	69 Fluorobenzene	96	3.710	3.703	(1.000)	520871	50.0000	
$	37 Toluene-d8 (SUR)	98	5.393	5.386	(0.741)	455760	50.5559	48
	38 Toluene	91	5.465	5.465	(0.751)	12808	0.69699	0.67(a)
*	32 Chlorobenzene-d5	117	7.277	7.270	(1.000)	442346	50.0000	
	40 Ethylbenzene	106	7.513	7.513	(1.032)	21112	3.14484	3.0
	43 m+p-Xylene	106	7.699	7.692	(1.058)	10228	1.23394	1.2(a)
	44 o-Xylene	106	8.272	8.273	(1.137)	14216	1.80252	1.7
	147 Butyl Acrylate	55	8.380	8.380	(0.766)	1588	0.28265	0.27(a)
$	41 Bromofluorobenzene (SUR)	174	9.075	9.075	(0.830)	166659	49.6669	48

Data File: /chem/VOAMS12.i/8260L_10/05-03-12/18may12.b/o60391.d
Report Date: 22-May-2012 08:58

		QUANT SIG					CONCENTRATIONS ON-COLUMN	FINAL
Compounds		MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/Kg)
112	n-Propylbenzene	91	9.526	9.526	(0.871)	3923	0.15215	0.15(a)
102	1,3,5-Trimethylbenzene	105	9.841	9.841	(0.900)	9875	0.56953	0.55(a)
100	1,2,4-Trimethylbenzene	105	10.436	10.436	(0.954)	36647	2.03391	2.0
* 91	1,4-Dichlorobenzene-d4	152	10.937	10.937	(1.000)	246667	50.0000	
70	Naphthalene	128	13.480	13.480	(1.232)	1188207	79.1578	76
M 45	Xylene (Total)	100				24444	2.99749	2.9

QC Flag Legend

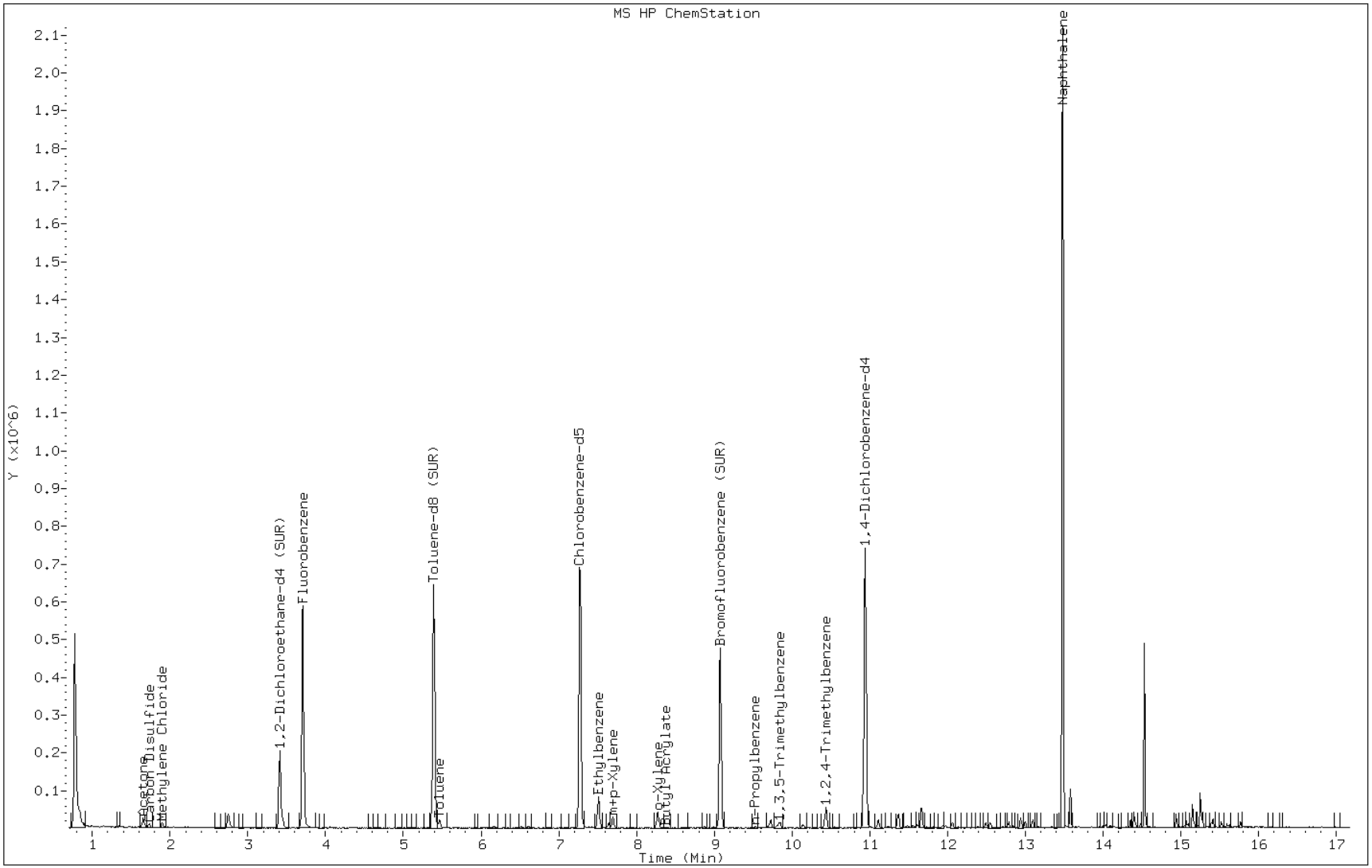
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: o60391.d

Date: 18-MAY-2012 11:32

Client ID: DB-5 35-35.5' Instrument: VOAMS12.i

Sample Info: 460-40258-A-8-C;;;5.21;5 Operator: VOAMS 9



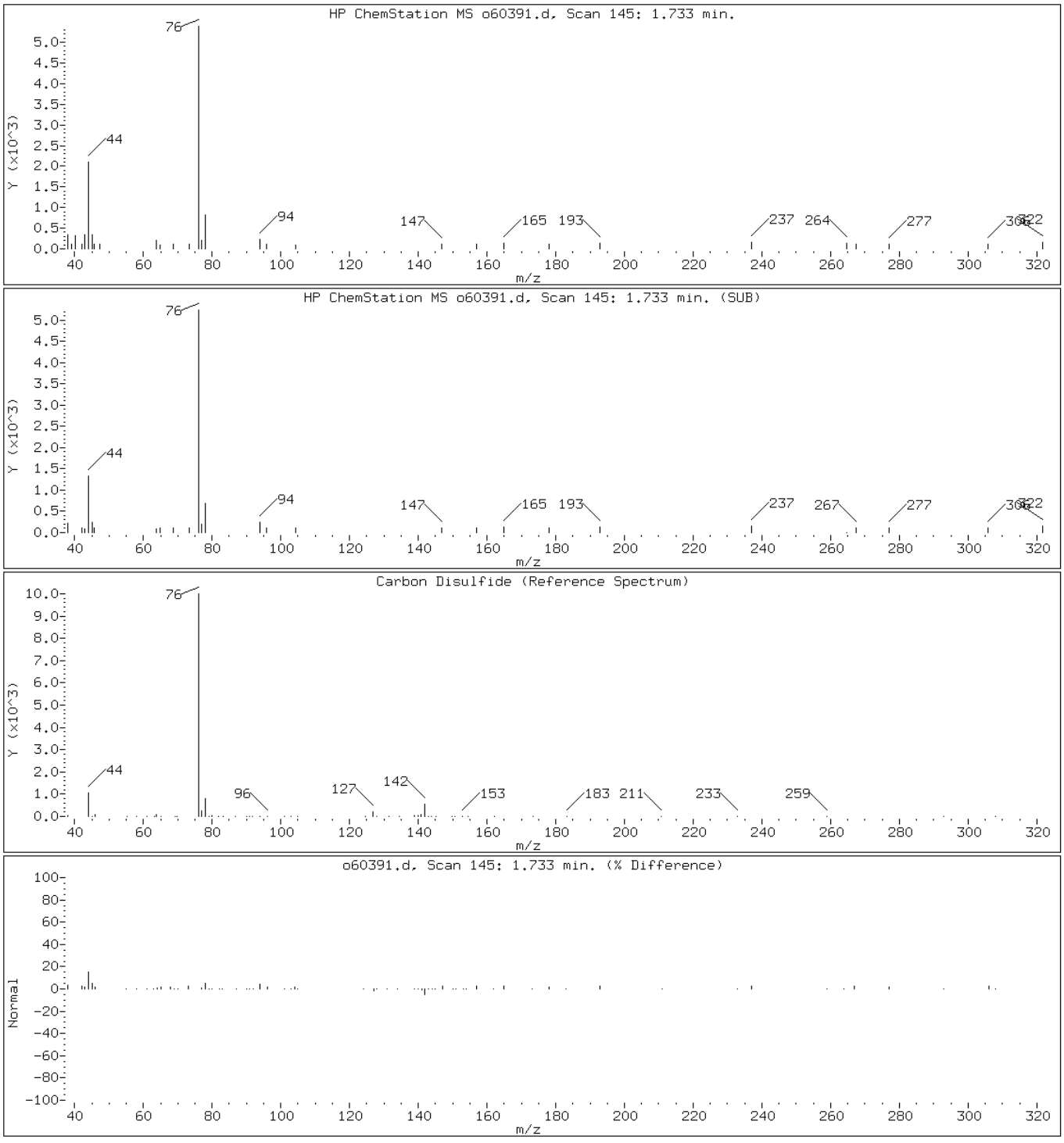
Data File: o60391.d

Date: 18-MAY-2012 11:32

Client ID: DB-5 35-35.5' Instrument: VOAMS12.i

Sample Info: 460-40258-A-8-C;;;5.21;5 Operator: VOAMS 9

8 Carbon Disulfide



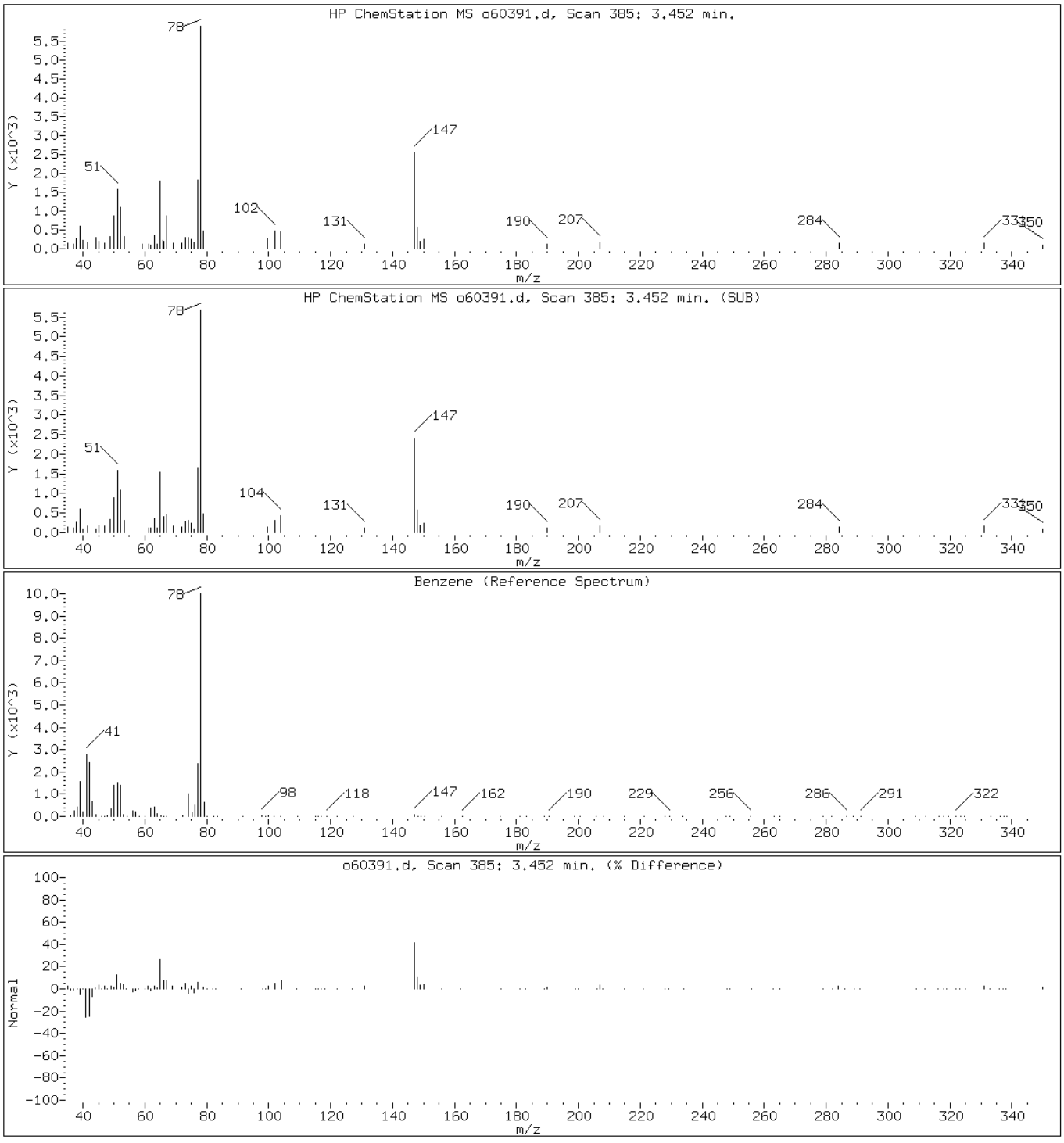
Data File: o60391.d

Date: 18-MAY-2012 11:32

Client ID: DB-5 35-35.5' Instrument: VOAMS12.i

Sample Info: 460-40258-A-8-C;;;5.21;5 Operator: VOAMS 9

28 Benzene



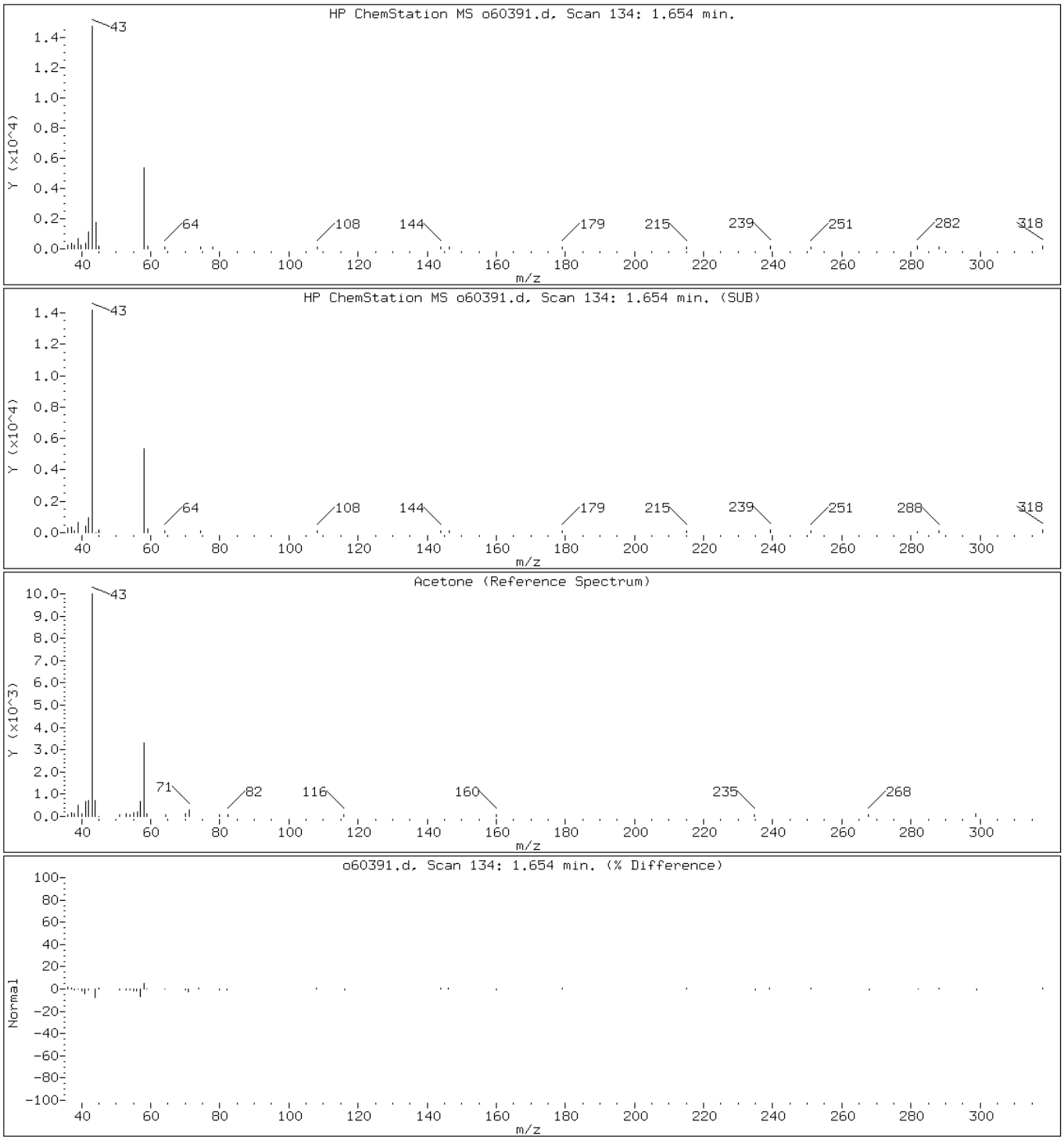
Data File: o60391.d

Date: 18-MAY-2012 11:32

Client ID: DB-5 35-35.5' Instrument: VOAMS12.i

Sample Info: 460-40258-A-8-C;;;5.21;5 Operator: VOAMS 9

7 Acetone



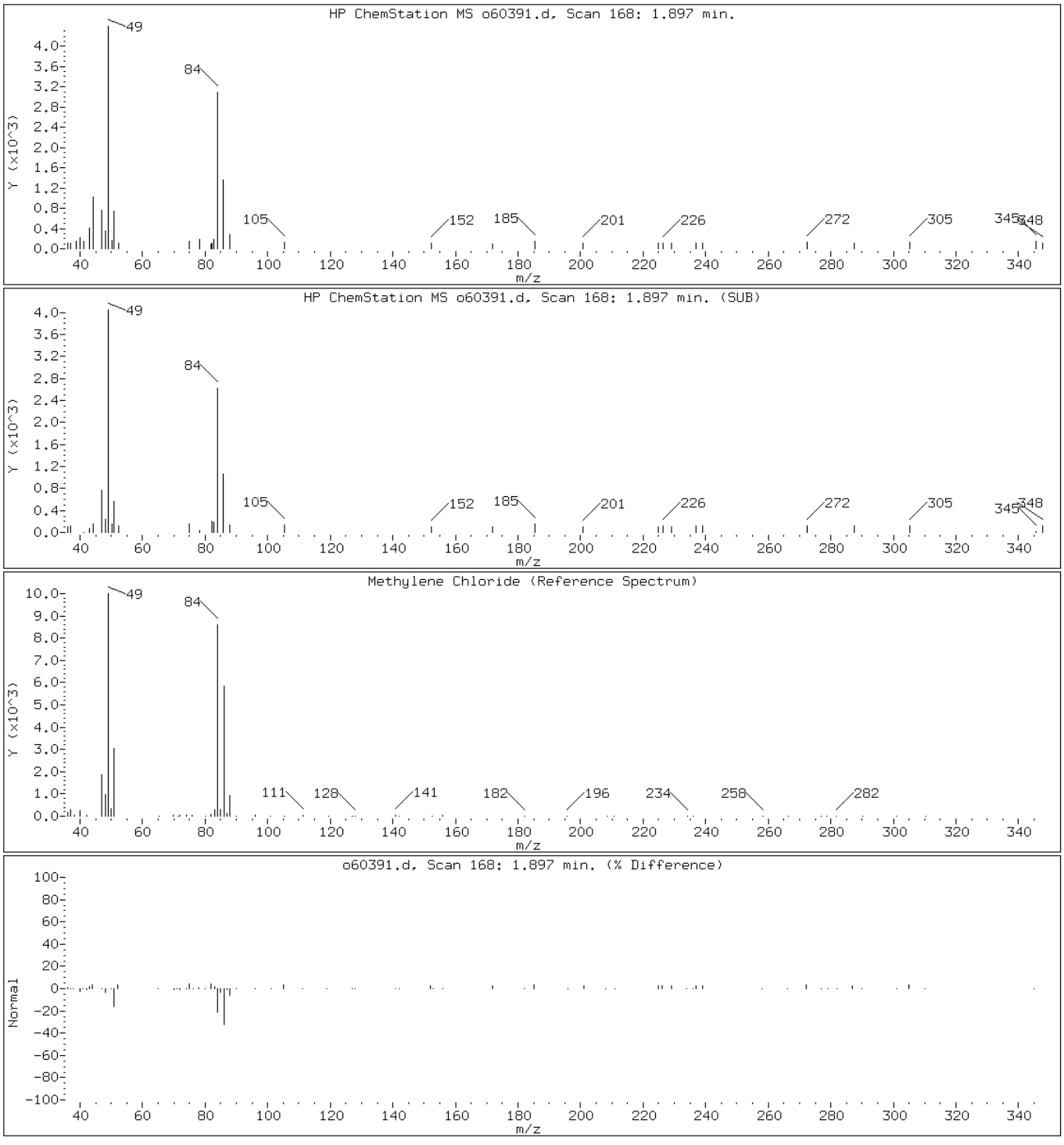
Data File: o60391.d

Date: 18-MAY-2012 11:32

Client ID: DB-5 35-35.5' Instrument: VOAMS12.i

Sample Info: 460-40258-A-8-C;;;5.21;5 Operator: VOAMS 9

6 Methylene Chloride



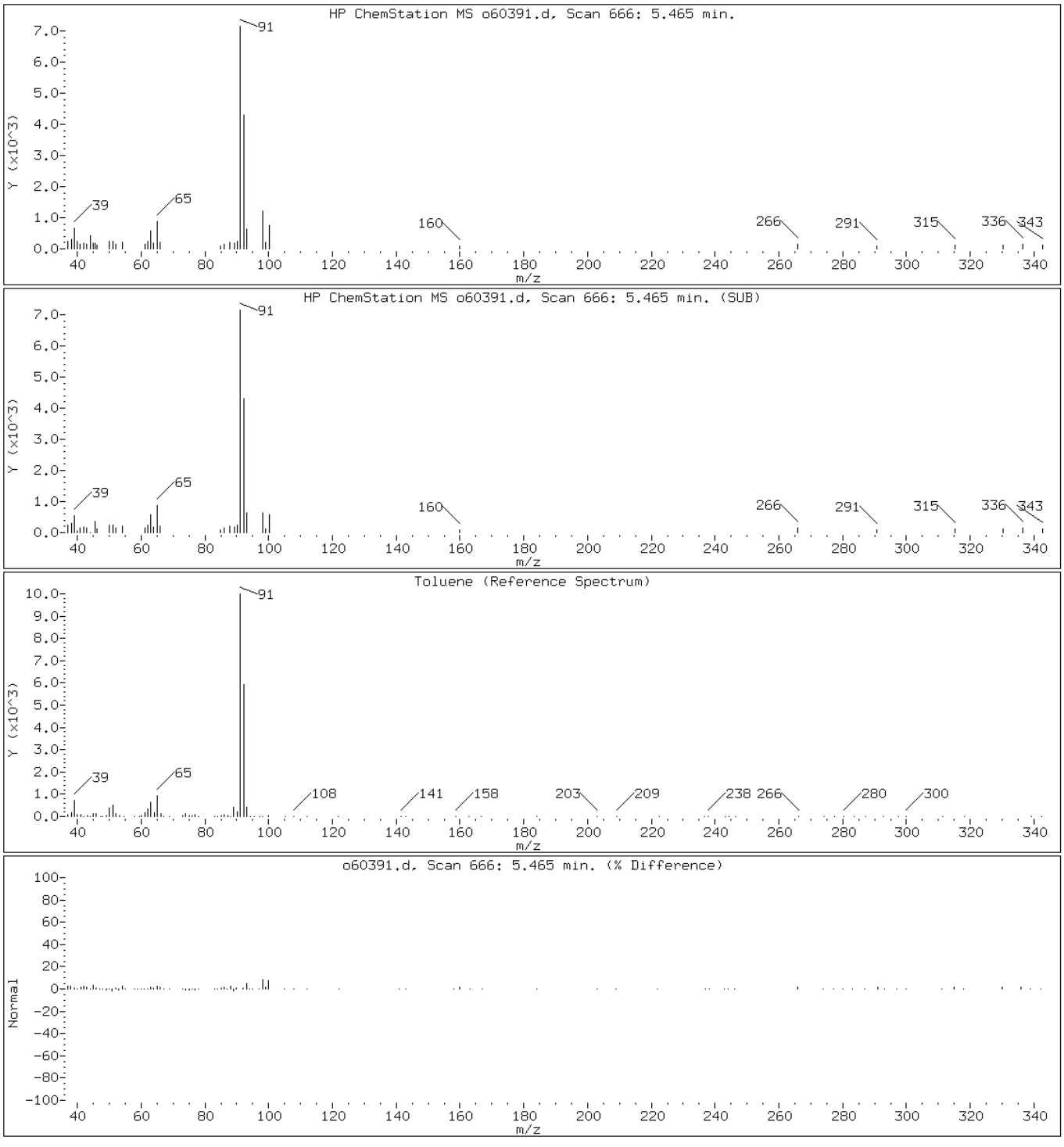
Data File: o60391.d

Date: 18-MAY-2012 11:32

Client ID: DB-5 35-35.5' Instrument: VOAMS12.i

Sample Info: 460-40258-A-8-C;;;5.21;5 Operator: VOAMS 9

38 Toluene



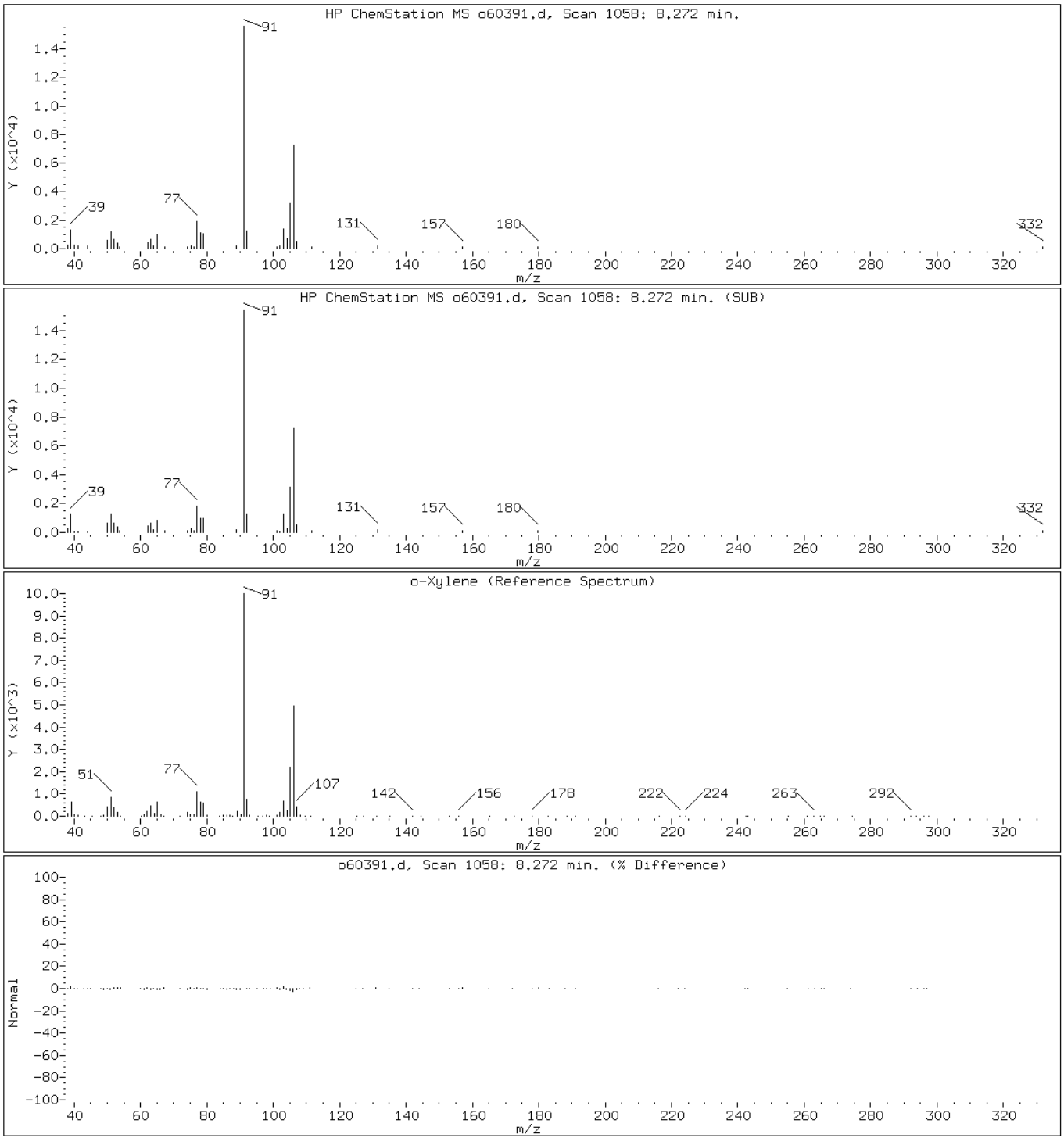
Data File: o60391.d

Date: 18-MAY-2012 11:32

Client ID: DB-5 35-35.5' Instrument: VOAMS12.i

Sample Info: 460-40258-A-8-C;;;5.21;5 Operator: VOAMS 9

44 o-Xylene



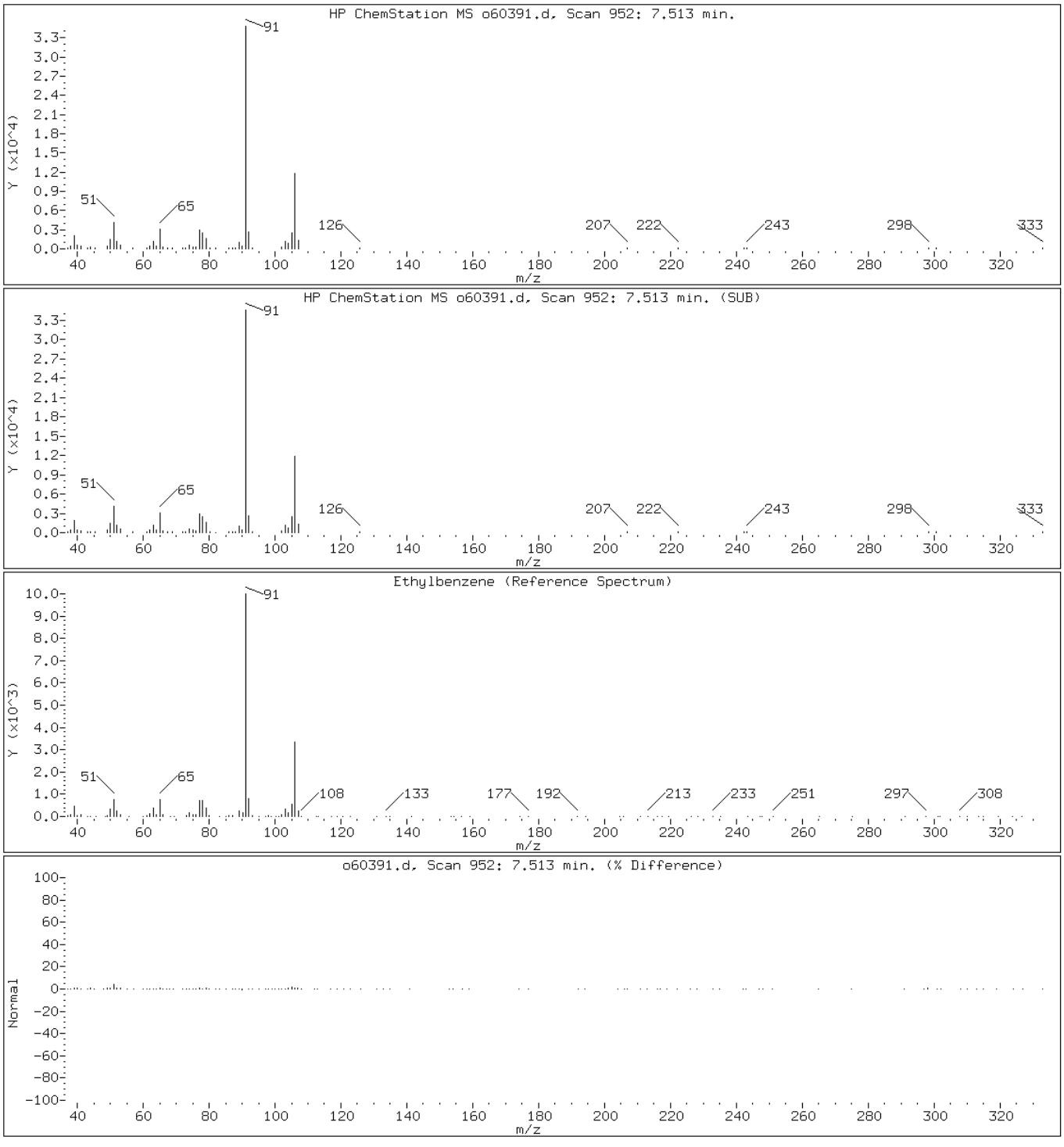
Data File: o60391.d

Date: 18-MAY-2012 11:32

Client ID: DB-5 35-35.5' Instrument: VOAMS12.i

Sample Info: 460-40258-A-8-C;;;5.21;5 Operator: VOAMS 9

40 Ethylbenzene



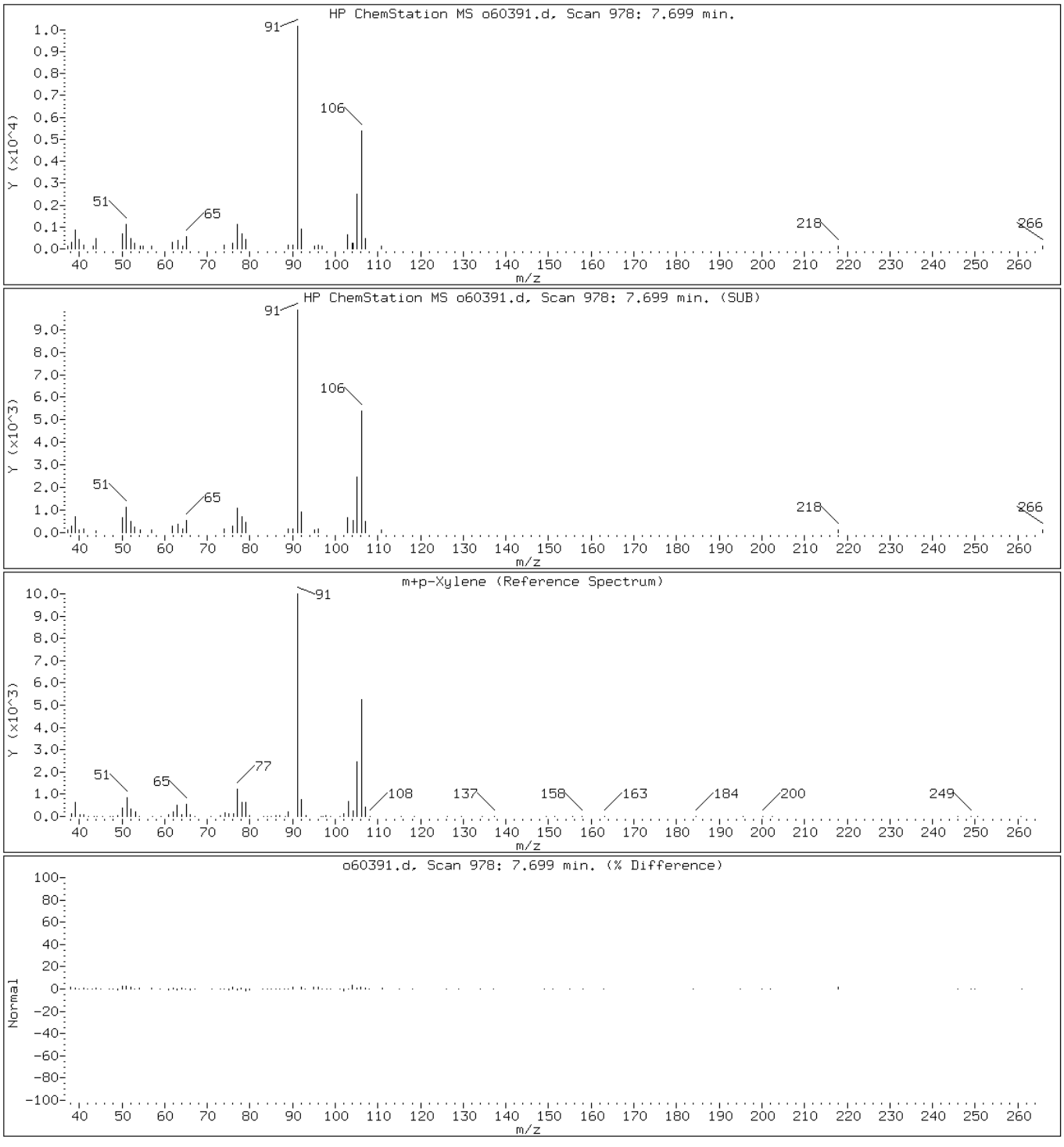
Data File: o60391.d

Date: 18-MAY-2012 11:32

Client ID: DB-5 35-35.5' Instrument: VOAMS12.i

Sample Info: 460-40258-A-8-C;;;5.21;5 Operator: VOAMS 9

43 m+p-Xylene



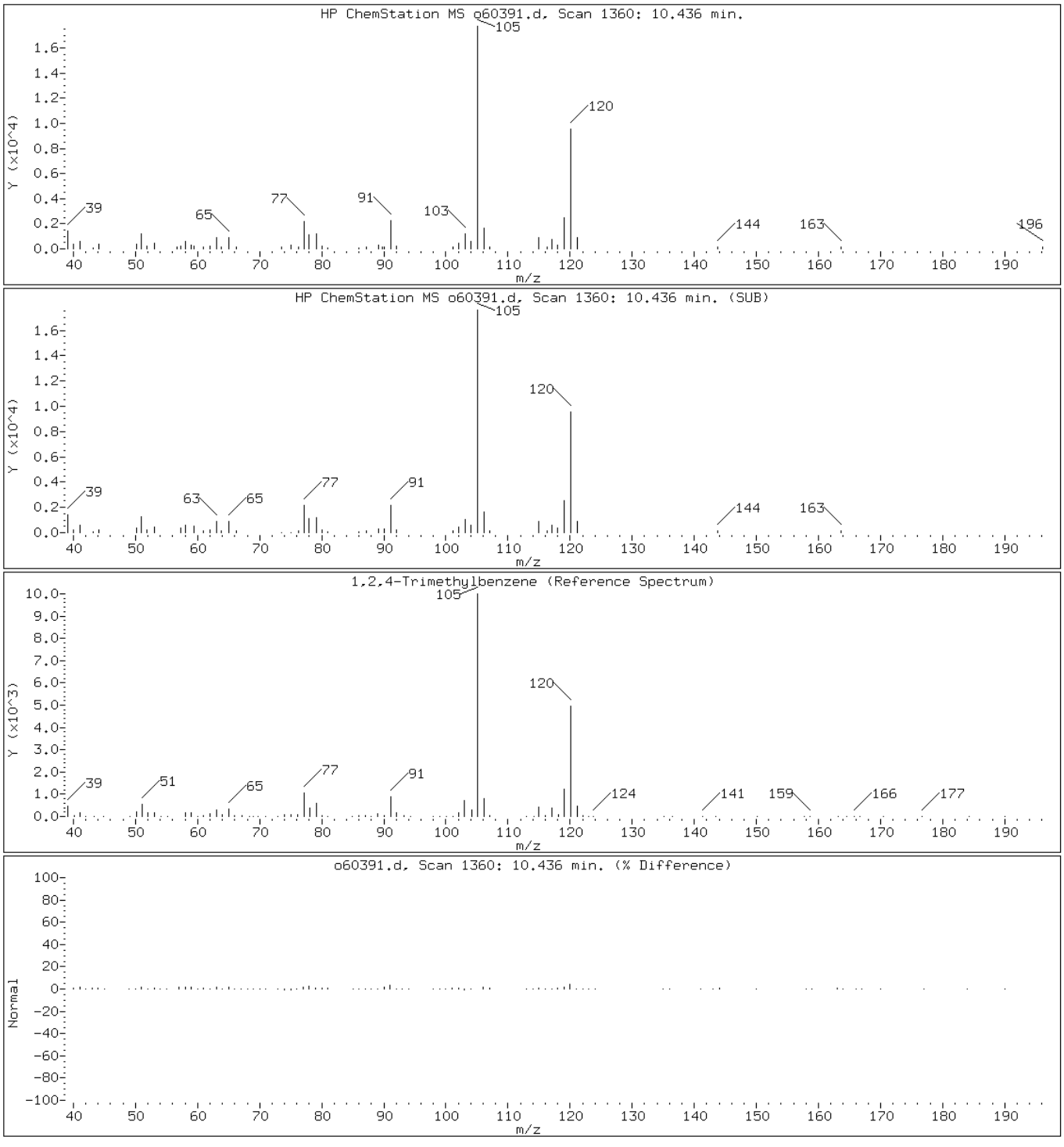
Data File: o60391.d

Date: 18-MAY-2012 11:32

Client ID: DB-5 35-35.5' Instrument: VOAMS12.i

Sample Info: 460-40258-A-8-C;;;5.21;5 Operator: VOAMS 9

100 1,2,4-Trimethylbenzene



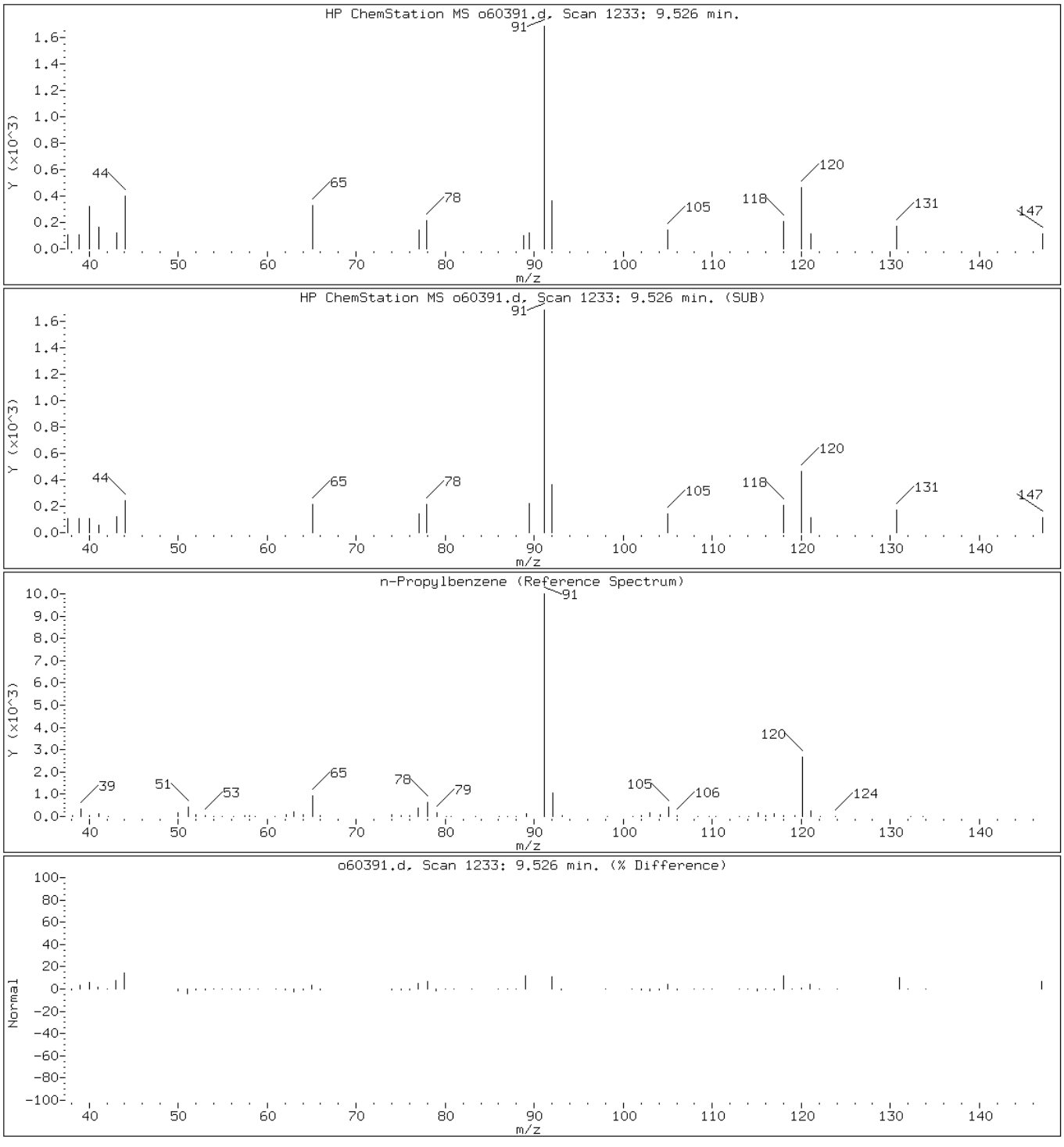
Data File: o60391.d

Date: 18-MAY-2012 11:32

Client ID: DB-5 35-35.5' Instrument: VOAMS12.i

Sample Info: 460-40258-A-8-C;;;5.21;5 Operator: VOAMS 9

112 n-Propylbenzene



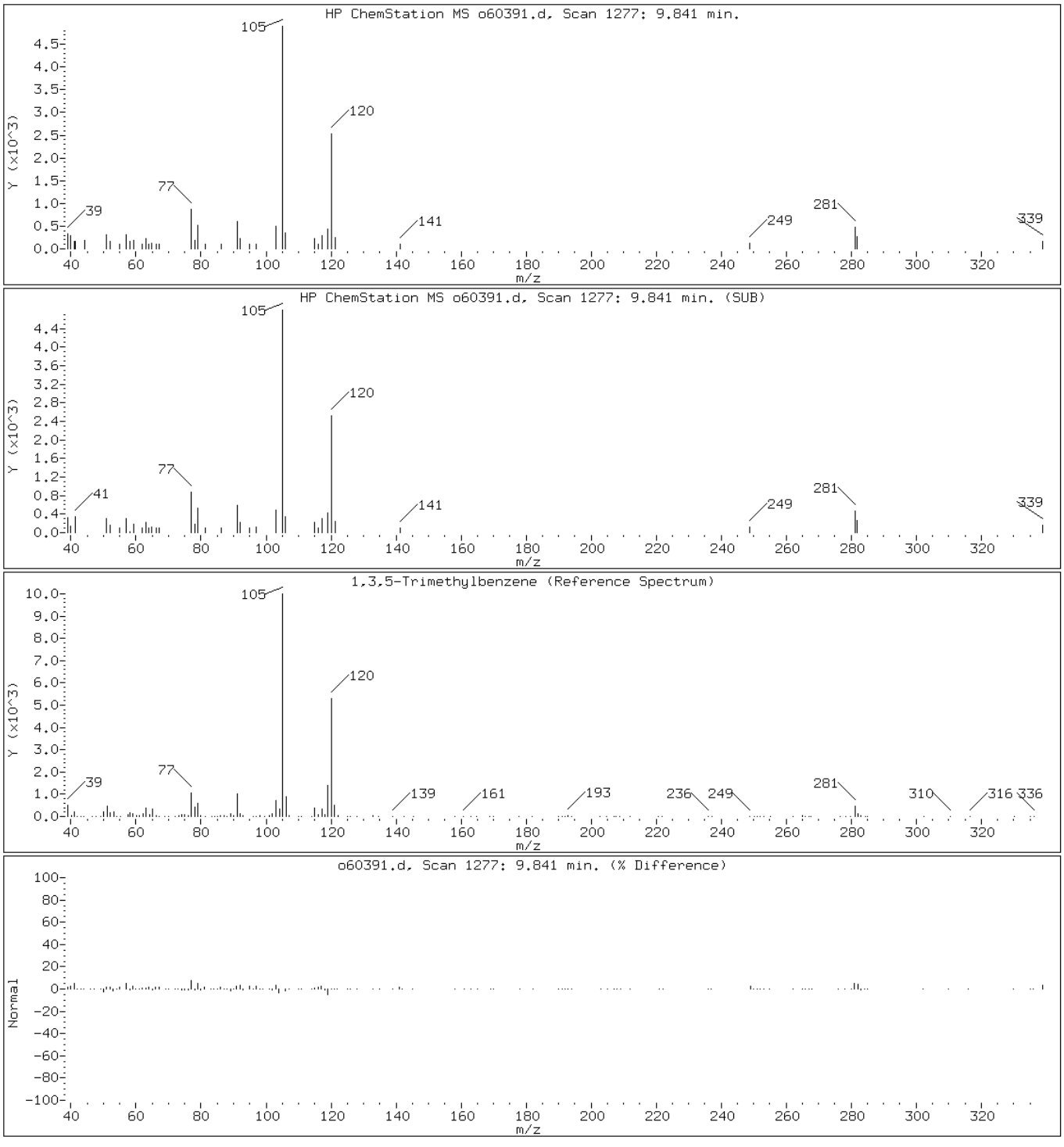
Data File: o60391.d

Date: 18-MAY-2012 11:32

Client ID: DB-5 35-35.5' Instrument: VOAMS12.i

Sample Info: 460-40258-A-8-C;;;5.21;5 Operator: VOAMS 9

102 1,3,5-Trimethylbenzene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-40258-1

SDG No.:

Client Sample ID: DB-5 49.5-50' | Lab Sample ID: 460-40258-9

Matrix: Solid | Lab File ID: o60392.d

Analysis Method: 8260B | Date Collected: 05/11/2012 16:05

Sample wt/vol: 5.29(g) | Date Analyzed: 05/18/2012 11:57

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 9.8 | Level: (low/med) Low

Analysis Batch No.: 113081 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-15-0	Carbon disulfide	0.21	J	1.0	0.16
127-18-4	Tetrachloroethene	0.13	U	1.0	0.13
78-87-5	1,2-Dichloropropane	0.16	U	1.0	0.16
108-10-1	4-Methyl-2-pentanone	0.21	U	10	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.12	U	1.0	0.12
124-48-1	Dibromochloromethane	0.10	U	1.0	0.10
120-82-1	1,2,4-Trichlorobenzene	0.20	U	1.0	0.20
100-42-5	Styrene	0.29	U	1.0	0.29
87-61-6	1,2,3-Trichlorobenzene	0.17	U	1.0	0.17
79-34-5	1,1,2,2-Tetrachloroethane	0.094	U	1.0	0.094
75-00-3	Chloroethane	0.35	U	1.0	0.35
78-93-3	2-Butanone	0.66	U	10	0.66
98-82-8	Isopropylbenzene	0.12	U	1.0	0.12
71-55-6	1,1,1-Trichloroethane	0.14	U	1.0	0.14
71-43-2	Benzene	0.16	U	1.0	0.16
10061-01-5	cis-1,3-Dichloropropene	0.15	U	1.0	0.15
74-97-5	Bromochloromethane	0.12	U	1.0	0.12
75-25-2	Bromoform	0.18	U	1.0	0.18
75-34-3	1,1-Dichloroethane	0.12	U	1.0	0.12
107-06-2	1,2-Dichloroethane	0.19	U	1.0	0.19
79-00-5	1,1,2-Trichloroethane	0.15	U	1.0	0.15
67-64-1	Acetone	54	B	10	1.8
79-20-9	Methyl acetate	0.34	U	1.0	0.34
75-71-8	Dichlorodifluoromethane	0.23	U	1.0	0.23
75-09-2	Methylene Chloride	1.9	B	1.0	0.16
74-87-3	Chloromethane	0.17	U	1.0	0.17
74-83-9	Bromomethane	0.45	U	1.0	0.45
108-88-3	Toluene	0.30	J B	1.0	0.15
95-47-6	o-Xylene	0.20	U	1.0	0.20
108-90-7	Chlorobenzene	0.19	U	1.0	0.19
96-12-8	1,2-Dibromo-3-Chloropropane	0.46	U	1.0	0.46
541-73-1	1,3-Dichlorobenzene	0.17	U	1.0	0.17
1634-04-4	MTBE	0.12	U	1.0	0.12
156-60-5	trans-1,2-Dichloroethene	0.14	U	1.0	0.14
123-91-1	1,4-Dioxane	13	U	52	13

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-40258-1

SDG No.:

Client Sample ID: DB-5 49.5-50' | Lab Sample ID: 460-40258-9

Matrix: Solid | Lab File ID: o60392.d

Analysis Method: 8260B | Date Collected: 05/11/2012 16:05

Sample wt/vol: 5.29(g) | Date Analyzed: 05/18/2012 11:57

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 9.8 | Level: (low/med) Low

Analysis Batch No.: 113081 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-35-4	1,1-Dichloroethene	0.20	U	1.0	0.20
95-50-1	1,2-Dichlorobenzene	0.10	U	1.0	0.10
79-01-6	Trichloroethene	0.13	U	1.0	0.13
591-78-6	2-Hexanone	0.14	U	10	0.14
100-41-4	Ethylbenzene	0.18	U	1.0	0.18
108-87-2	Methylcyclohexane	0.10	U	1.0	0.10
75-69-4	Trichlorofluoromethane	0.17	U	1.0	0.17
110-82-7	Cyclohexane	0.14	U	1.0	0.14
10061-02-6	trans-1,3-Dichloropropene	0.10	U	1.0	0.10
156-59-2	cis-1,2-Dichloroethene	0.12	U	1.0	0.12
67-66-3	Chloroform	0.25	U	1.0	0.25
179601-23-1	m&p-Xylene	0.62	U	2.1	0.62
75-01-4	Vinyl chloride	0.36	U	1.0	0.36
106-93-4	1,2-Dibromoethane	0.16	U	1.0	0.16
56-23-5	Carbon tetrachloride	0.16	U	1.0	0.16
106-46-7	1,4-Dichlorobenzene	0.12	U	1.0	0.12
75-27-4	Bromodichloromethane	0.34	U	1.0	0.34
104-51-8	n-Butylbenzene	0.084	U	1.0	0.084
95-63-6	1,2,4-Trimethylbenzene	0.16	U	1.0	0.16
135-98-8	sec-Butylbenzene	0.14	U	1.0	0.14
103-65-1	N-Propylbenzene	0.16	U	1.0	0.16
108-67-8	1,3,5-Trimethylbenzene	0.13	U	1.0	0.13
98-06-6	tert-Butylbenzene	0.13	U	1.0	0.13
99-87-6	p-Isopropyltoluene	0.15	U	1.0	0.15

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	Bromofluorobenzene	101		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	113		70-130
2037-26-5	Toluene-d8 (Surr)	110		70-130

Data File: /chem/VOAMS12.i/8260L_10/05-03-12/18may12.b/o60392.d
Report Date: 22-May-2012 08:58

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS12.i/8260L_10/05-03-12/18may12.b/o60392.d
Lab Smp Id: 460-40258-A-9-C Client Smp ID: DB-5 49.5-50'
Inj Date : 18-MAY-2012 11:57
Operator : VOAMS 9 Inst ID: VOAMS12.i
Smp Info : 460-40258-A-9-C;;;5.29;5
Misc Info : 460-40258-A-9-C
Comment   :
Method   : /chem/VOAMS12.i/8260L_10/05-03-12/18may12.b/8260L_10.m
Meth Date : 18-May-2012 04:32 audberto Quant Type: ISTD
Cal Date : 03-MAY-2012 18:57 Cal File: o59879.d
Als bottle: 18
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	5.29000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
	7 Acetone	43	1.654	1.654	(0.446)	42713	51.1268	48
	8 Carbon Disulfide	76	1.733	1.733	(0.467)	2490	0.20182	0.19(a)
	6 Methylene Chloride	84	1.897	1.897	(0.511)	7739	1.84140	1.7
$	16 1,2-Dichloroethane-d4 (SUR)	65	3.409	3.409	(0.919)	118799	56.2877	53
*	69 Fluorobenzene	96	3.710	3.703	(1.000)	514974	50.0000	
$	37 Toluene-d8 (SUR)	98	5.386	5.386	(0.740)	472878	54.9749	52
	38 Toluene	91	5.472	5.465	(0.752)	5074	0.28938	0.27(a)
*	32 Chlorobenzene-d5	117	7.277	7.270	(1.000)	422068	50.0000	
$	41 Bromofluorobenzene (SUR)	174	9.075	9.075	(0.830)	170971	50.5163	48
*	91 1,4-Dichlorobenzene-d4	152	10.937	10.937	(1.000)	248794	50.0000	

Data File: /chem/VOAMS12.i/8260L_10/05-03-12/18may12.b/o60392.d
Report Date: 22-May-2012 08:58

QC Flag Legend

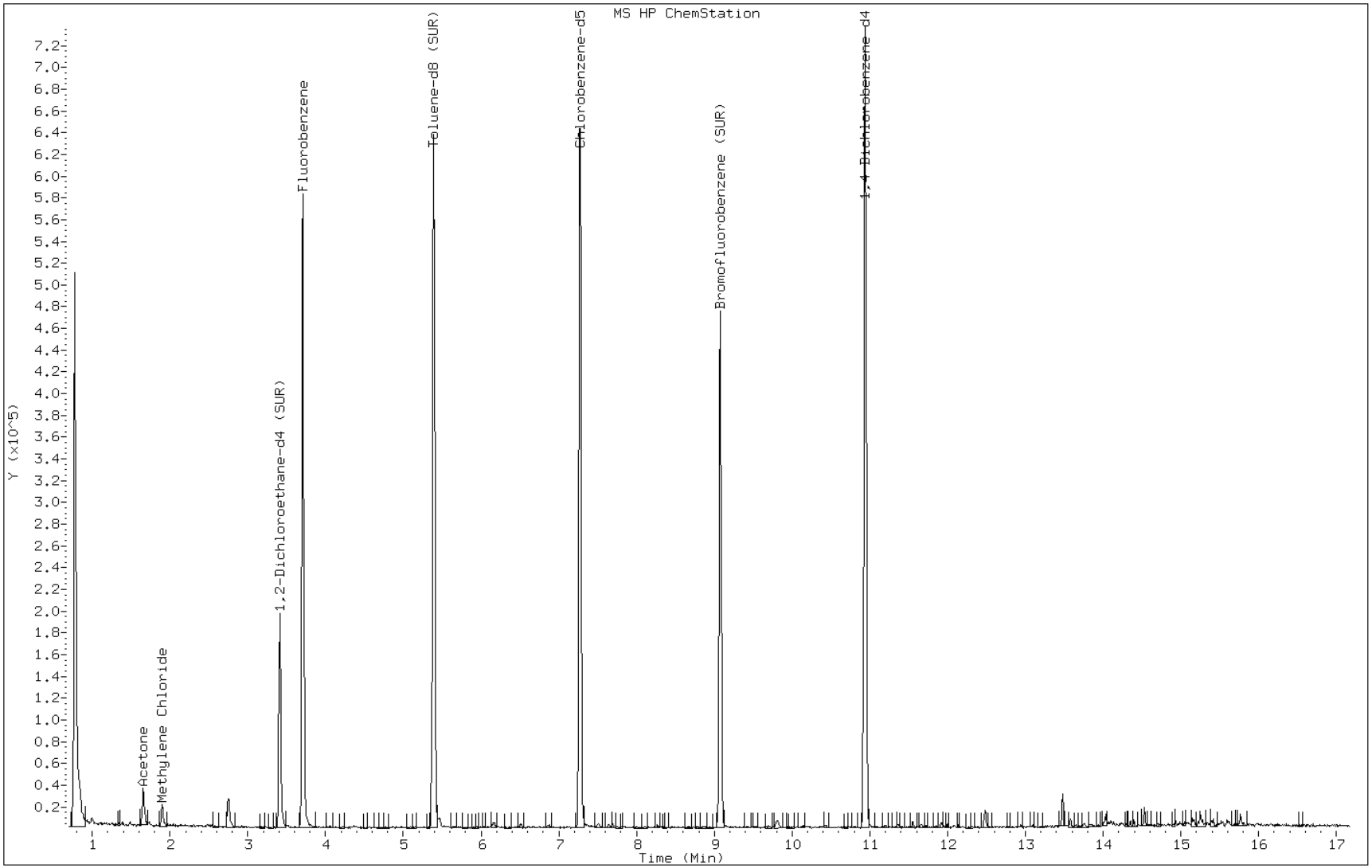
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).

Data File: o60392.d

Date: 18-MAY-2012 11:57

Client ID: DB-5 49.5-50' Instrument: VOAMS12.i

Sample Info: 460-40258-A-9-C;;;5.29;5 Operator: VOAMS 9



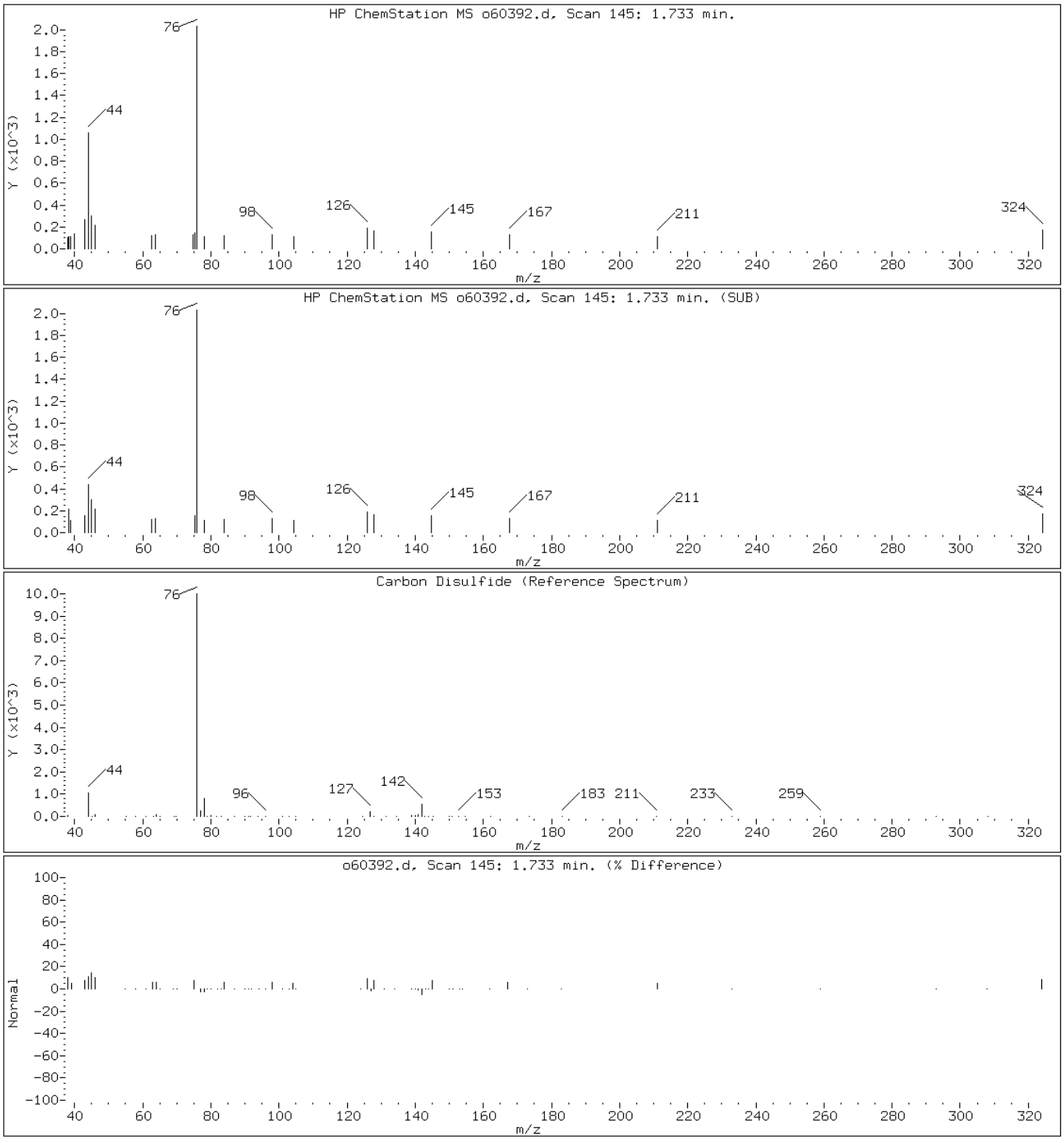
Data File: o60392.d

Date: 18-MAY-2012 11:57

Client ID: DB-5 49.5-50' Instrument: VOAMS12.i

Sample Info: 460-40258-A-9-C;;;5.29;5 Operator: VOAMS 9

8 Carbon Disulfide



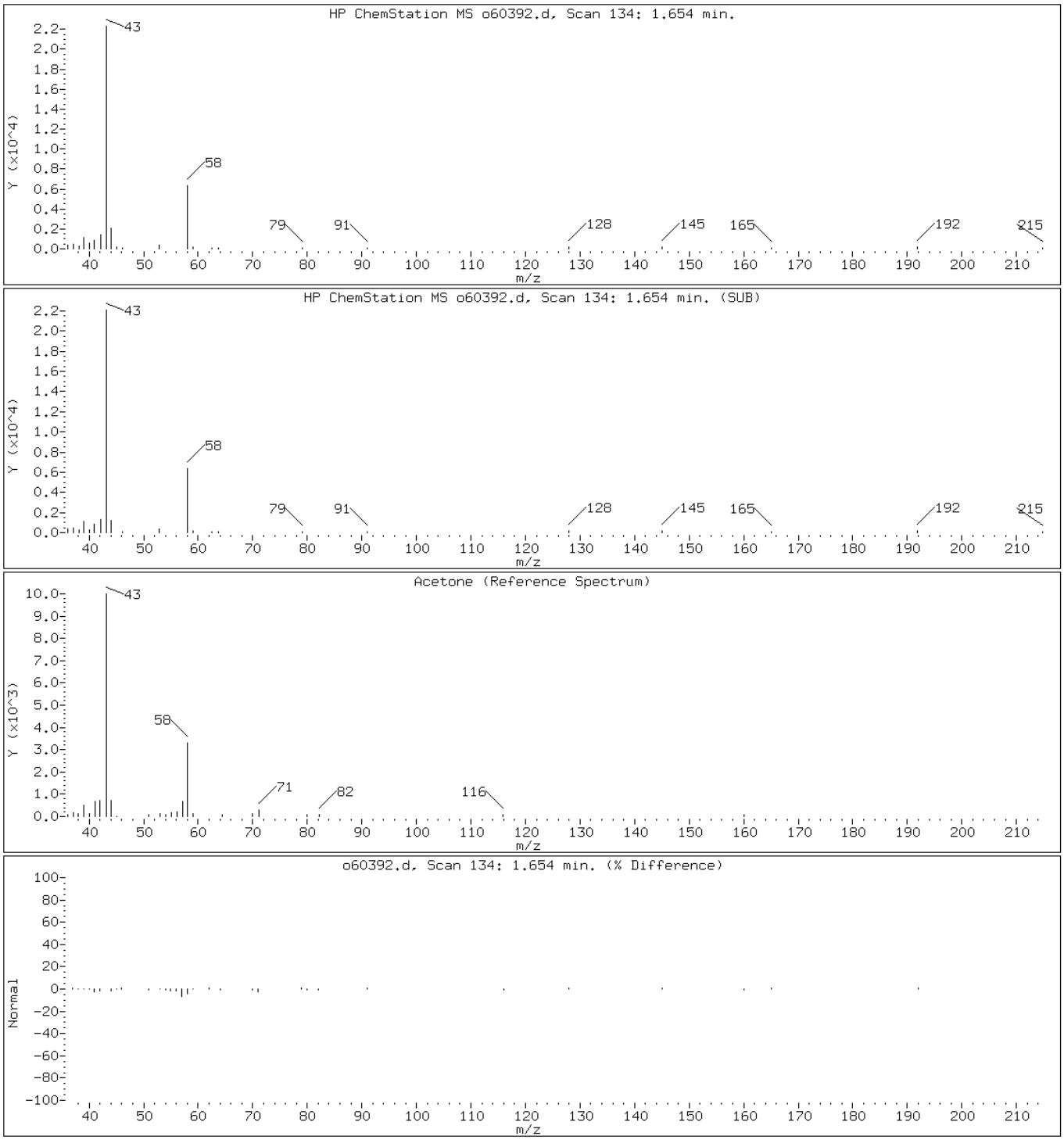
Data File: o60392.d

Date: 18-MAY-2012 11:57

Client ID: DB-5 49.5-50' Instrument: VOAMS12.i

Sample Info: 460-40258-A-9-C;;;5.29;5 Operator: VOAMS 9

7 Acetone



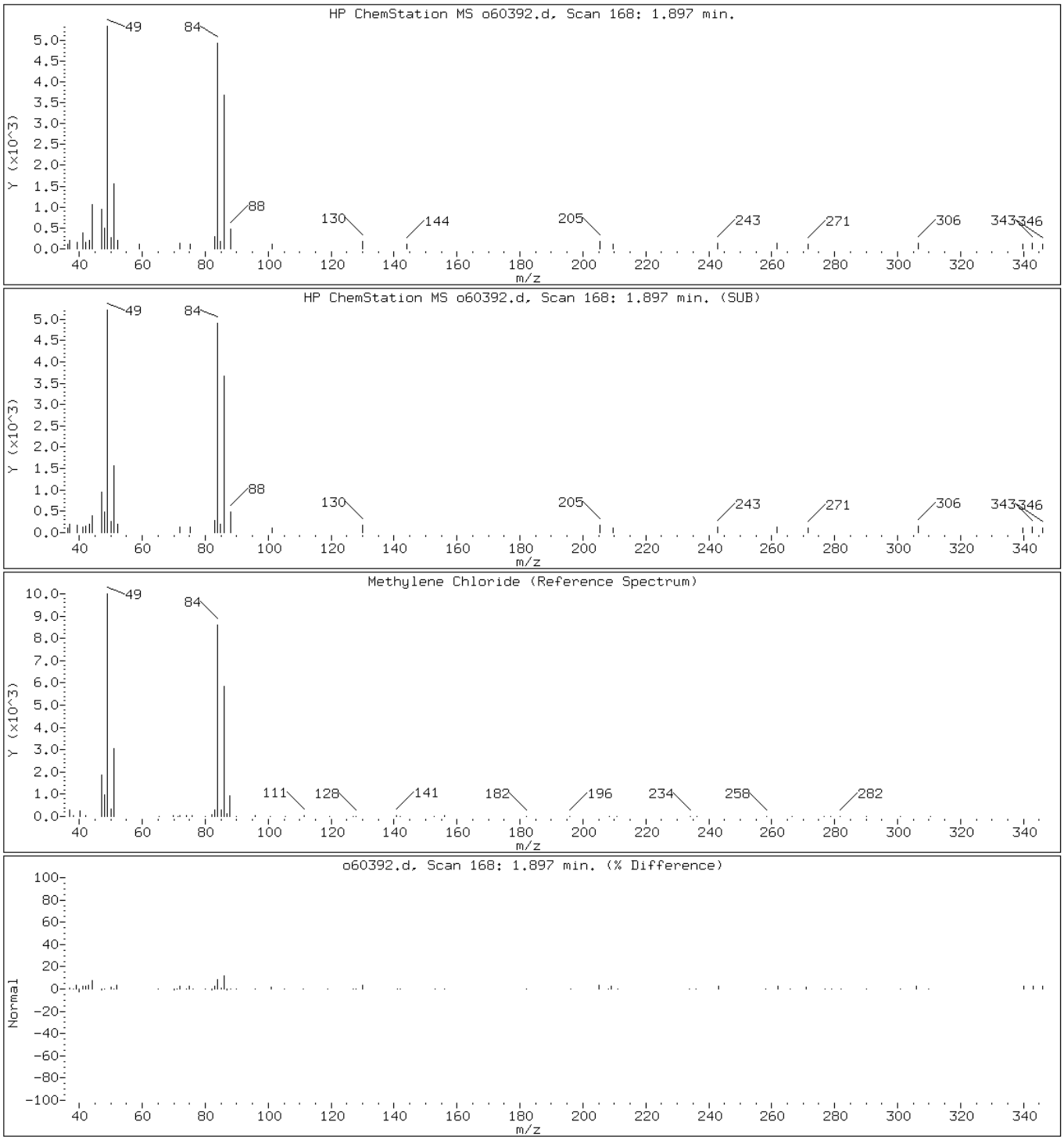
Data File: o60392.d

Date: 18-MAY-2012 11:57

Client ID: DB-5 49.5-50' Instrument: VOAMS12.i

Sample Info: 460-40258-A-9-C;;;5.29;5 Operator: VOAMS 9

6 Methylene Chloride



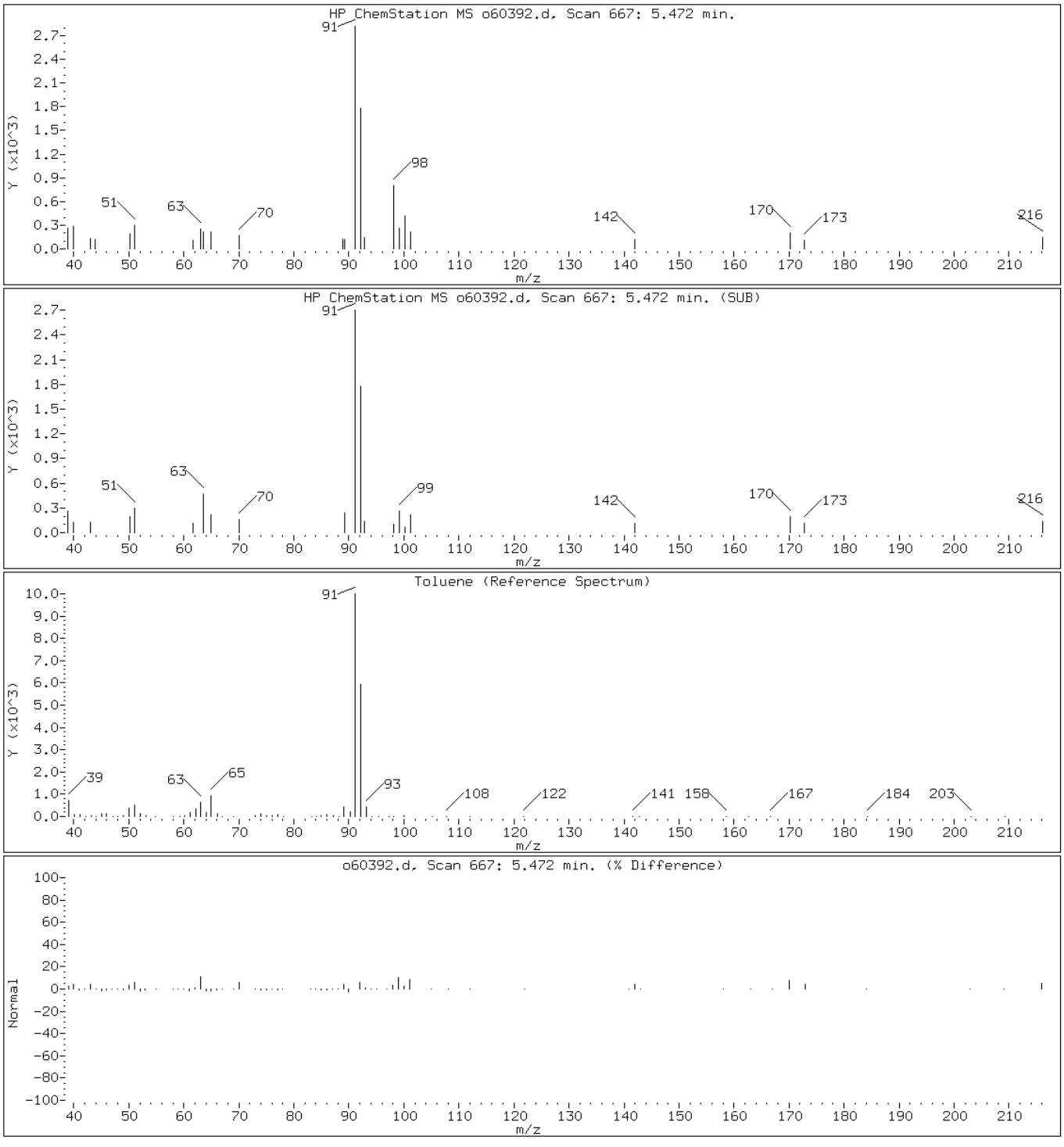
Data File: o60392.d

Date: 18-MAY-2012 11:57

Client ID: DB-5 49.5-50' Instrument: VOAMS12.i

Sample Info: 460-40258-A-9-C;;;5.29;5 Operator: VOAMS 9

38 Toluene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-40258-1

SDG No.:

Client Sample ID: DB-6 15-15.5' | Lab Sample ID: 460-40258-10

Matrix: Solid | Lab File ID: o60393.d

Analysis Method: 8260B | Date Collected: 05/11/2012 10:15

Sample wt/vol: 5.61(g) | Date Analyzed: 05/18/2012 12:22

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 21.1 | Level: (low/med) Low

Analysis Batch No.: 113081 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-15-0	Carbon disulfide	3.1		1.1	0.17
127-18-4	Tetrachloroethene	0.14	U	1.1	0.14
78-87-5	1,2-Dichloropropane	0.17	U	1.1	0.17
108-10-1	4-Methyl-2-pentanone	0.23	U	11	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.12	U	1.1	0.12
124-48-1	Dibromochloromethane	0.11	U	1.1	0.11
120-82-1	1,2,4-Trichlorobenzene	0.21	U	1.1	0.21
100-42-5	Styrene	0.32	U	1.1	0.32
87-61-6	1,2,3-Trichlorobenzene	0.18	U	1.1	0.18
79-34-5	1,1,2,2-Tetrachloroethane	0.10	U	1.1	0.10
75-00-3	Chloroethane	0.37	U	1.1	0.37
78-93-3	2-Butanone	6.3	J	11	0.71
98-82-8	Isopropylbenzene	0.12	U	1.1	0.12
71-55-6	1,1,1-Trichloroethane	0.15	U	1.1	0.15
71-43-2	Benzene	0.17	U	1.1	0.17
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1.1	0.16
74-97-5	Bromochloromethane	0.12	U	1.1	0.12
75-25-2	Bromoform	0.19	U	1.1	0.19
75-34-3	1,1-Dichloroethane	0.12	U	1.1	0.12
107-06-2	1,2-Dichloroethane	0.20	U	1.1	0.20
79-00-5	1,1,2-Trichloroethane	0.16	U	1.1	0.16
67-64-1	Acetone	55	B	11	1.9
79-20-9	Methyl acetate	0.36	U	1.1	0.36
75-71-8	Dichlorodifluoromethane	0.25	U	1.1	0.25
75-09-2	Methylene Chloride	2.3	B	1.1	0.17
74-87-3	Chloromethane	0.18	U	1.1	0.18
74-83-9	Bromomethane	0.49	U	1.1	0.49
108-88-3	Toluene	0.23	J B	1.1	0.16
95-47-6	o-Xylene	0.21	U	1.1	0.21
108-90-7	Chlorobenzene	0.20	U	1.1	0.20
96-12-8	1,2-Dibromo-3-Chloropropane	0.50	U	1.1	0.50
541-73-1	1,3-Dichlorobenzene	0.18	U	1.1	0.18
1634-04-4	MTBE	0.12	U	1.1	0.12
156-60-5	trans-1,2-Dichloroethene	0.15	U	1.1	0.15
123-91-1	1,4-Dioxane	14	U	56	14

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-40258-1

SDG No.:

Client Sample ID: DB-6 15-15.5' | Lab Sample ID: 460-40258-10

Matrix: Solid | Lab File ID: o60393.d

Analysis Method: 8260B | Date Collected: 05/11/2012 10:15

Sample wt/vol: 5.61(g) | Date Analyzed: 05/18/2012 12:22

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 21.1 | Level: (low/med) Low

Analysis Batch No.: 113081 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-35-4	1,1-Dichloroethene	0.21	U	1.1	0.21
95-50-1	1,2-Dichlorobenzene	0.11	U	1.1	0.11
79-01-6	Trichloroethene	0.14	U	1.1	0.14
591-78-6	2-Hexanone	0.15	U	11	0.15
100-41-4	Ethylbenzene	0.19	U	1.1	0.19
108-87-2	Methylcyclohexane	0.11	U	1.1	0.11
75-69-4	Trichlorofluoromethane	0.18	U	1.1	0.18
110-82-7	Cyclohexane	0.15	U	1.1	0.15
10061-02-6	trans-1,3-Dichloropropene	0.11	U	1.1	0.11
156-59-2	cis-1,2-Dichloroethene	0.12	U	1.1	0.12
67-66-3	Chloroform	0.27	U	1.1	0.27
179601-23-1	m&p-Xylene	0.67	U	2.3	0.67
75-01-4	Vinyl chloride	0.38	U	1.1	0.38
106-93-4	1,2-Dibromoethane	0.17	U	1.1	0.17
56-23-5	Carbon tetrachloride	0.17	U	1.1	0.17
106-46-7	1,4-Dichlorobenzene	0.12	U	1.1	0.12
75-27-4	Bromodichloromethane	0.36	U	1.1	0.36
104-51-8	n-Butylbenzene	0.090	U	1.1	0.090
95-63-6	1,2,4-Trimethylbenzene	0.17	U	1.1	0.17
135-98-8	sec-Butylbenzene	0.15	U	1.1	0.15
103-65-1	N-Propylbenzene	0.17	U	1.1	0.17
108-67-8	1,3,5-Trimethylbenzene	0.14	U	1.1	0.14
98-06-6	tert-Butylbenzene	0.14	U	1.1	0.14
99-87-6	p-Isopropyltoluene	0.16	U	1.1	0.16

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	Bromofluorobenzene	91		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	107		70-130
2037-26-5	Toluene-d8 (Surr)	94		70-130

Data File: /chem/VOAMS12.i/8260L_10/05-03-12/18may12.b/o60393.d
Report Date: 22-May-2012 08:59

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS12.i/8260L_10/05-03-12/18may12.b/o60393.d
Lab Smp Id: 460-40258-A-10-C Client Smp ID: DB-6 15-15.5'
Inj Date : 18-MAY-2012 12:22
Operator : VOAMS 9 Inst ID: VOAMS12.i
Smp Info : 460-40258-A-10-C;;;5.61;5
Misc Info : 460-40258-A-10-C
Comment   :
Method   : /chem/VOAMS12.i/8260L_10/05-03-12/18may12.b/8260L_10.m
Meth Date : 18-May-2012 04:32 audberto Quant Type: ISTD
Cal Date : 03-MAY-2012 18:57 Cal File: o59879.d
Als bottle: 19
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	5.61000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
	7 Acetone	43	1.654	1.654	(0.446)	38307	48.9032	44
	8 Carbon Disulfide	76	1.733	1.733	(0.467)	31493	2.72240	2.4(H)
	6 Methylene Chloride	84	1.898	1.897	(0.511)	7967	2.02175	1.8
	18 2-Butanone	72	2.771	2.771	(0.747)	2034	5.59858	5.0(a)
$	16 1,2-Dichloroethane-d4 (SUR)	65	3.409	3.409	(0.919)	105456	53.2896	47
*	69 Fluorobenzene	96	3.710	3.703	(1.000)	482853	50.0000	
$	37 Toluene-d8 (SUR)	98	5.393	5.386	(0.741)	412532	46.9195	42
	38 Toluene	91	5.465	5.465	(0.751)	3718	0.20745	0.18(a)
*	32 Chlorobenzene-d5	117	7.277	7.270	(1.000)	431422	50.0000	
$	41 Bromofluorobenzene (SUR)	174	9.075	9.075	(0.830)	150008	45.4090	40
*	91 1,4-Dichlorobenzene-d4	152	10.937	10.937	(1.000)	242841	50.0000	

Data File: /chem/VOAMS12.i/8260L_10/05-03-12/18may12.b/o60393.d
Report Date: 22-May-2012 08:59

QC Flag Legend

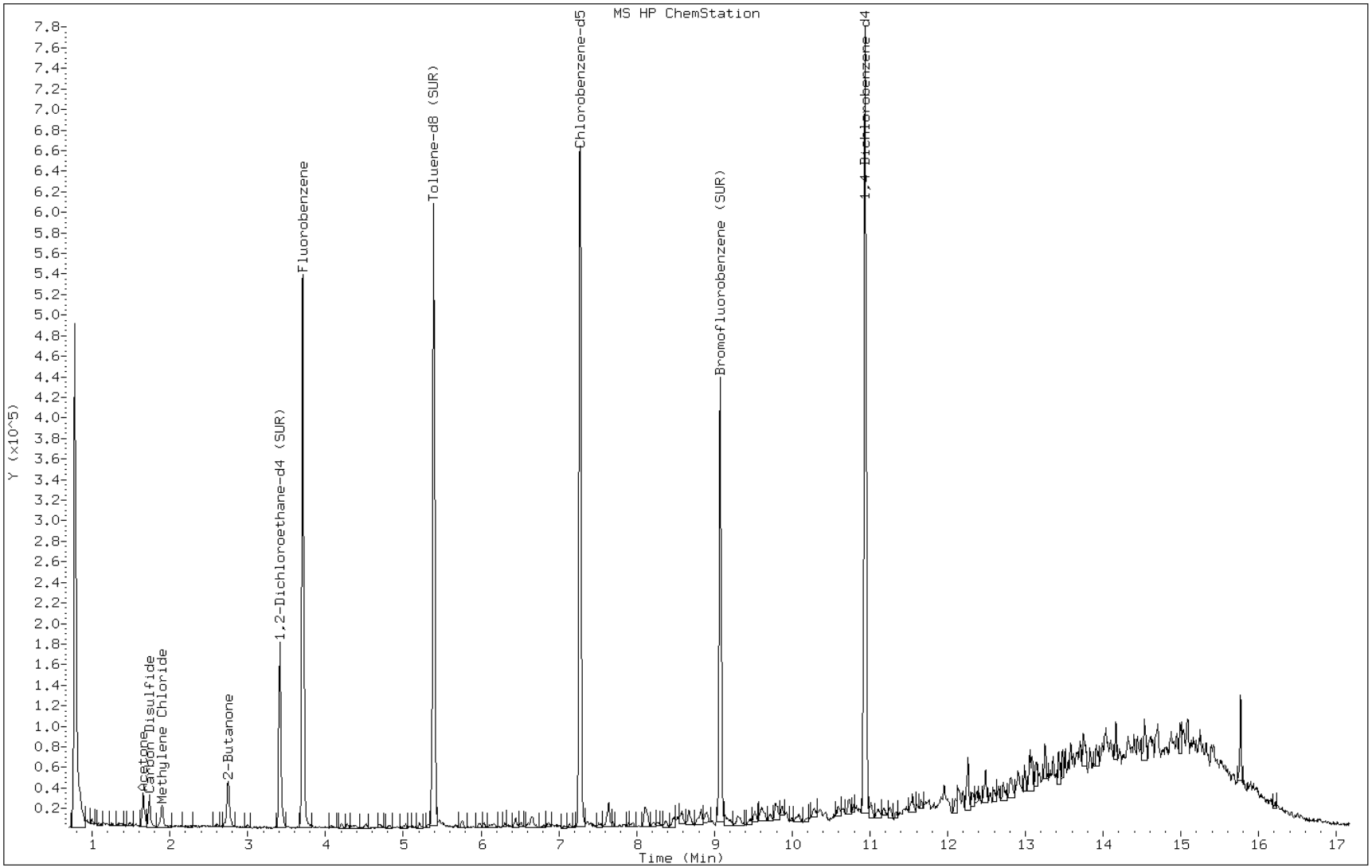
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
H - Operator selected an alternate compound hit.

Data File: o60393.d

Date: 18-MAY-2012 12:22

Client ID: DB-6 15-15.5' Instrument: VOAMS12.i

Sample Info: 460-40258-A-10-C;;;5.61;5 Operator: VOAMS 9



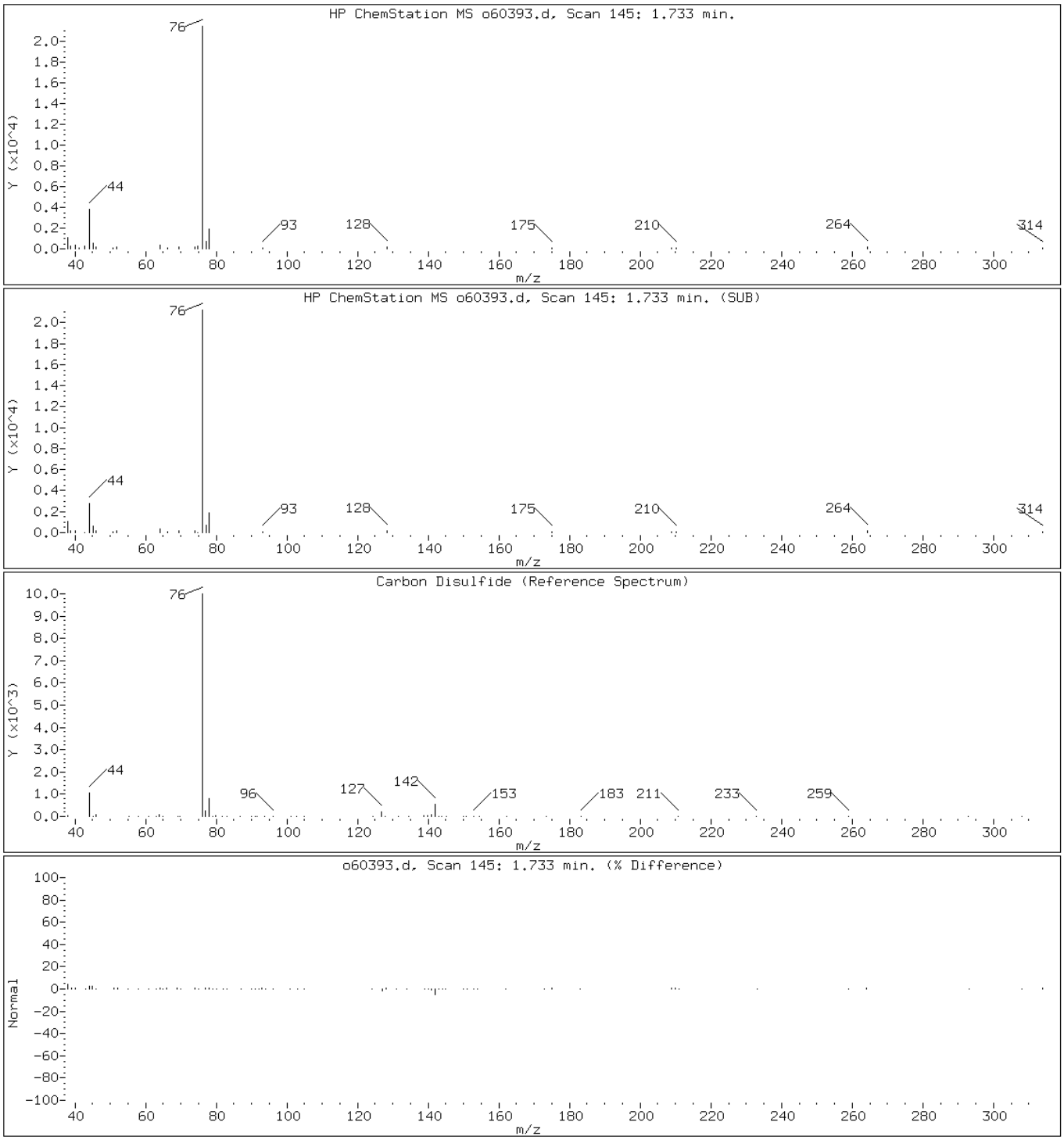
Data File: o60393.d

Date: 18-MAY-2012 12:22

Client ID: DB-6 15-15.5' Instrument: VOAMS12.i

Sample Info: 460-40258-A-10-C;;;5.61;5 Operator: VOAMS 9

8 Carbon Disulfide



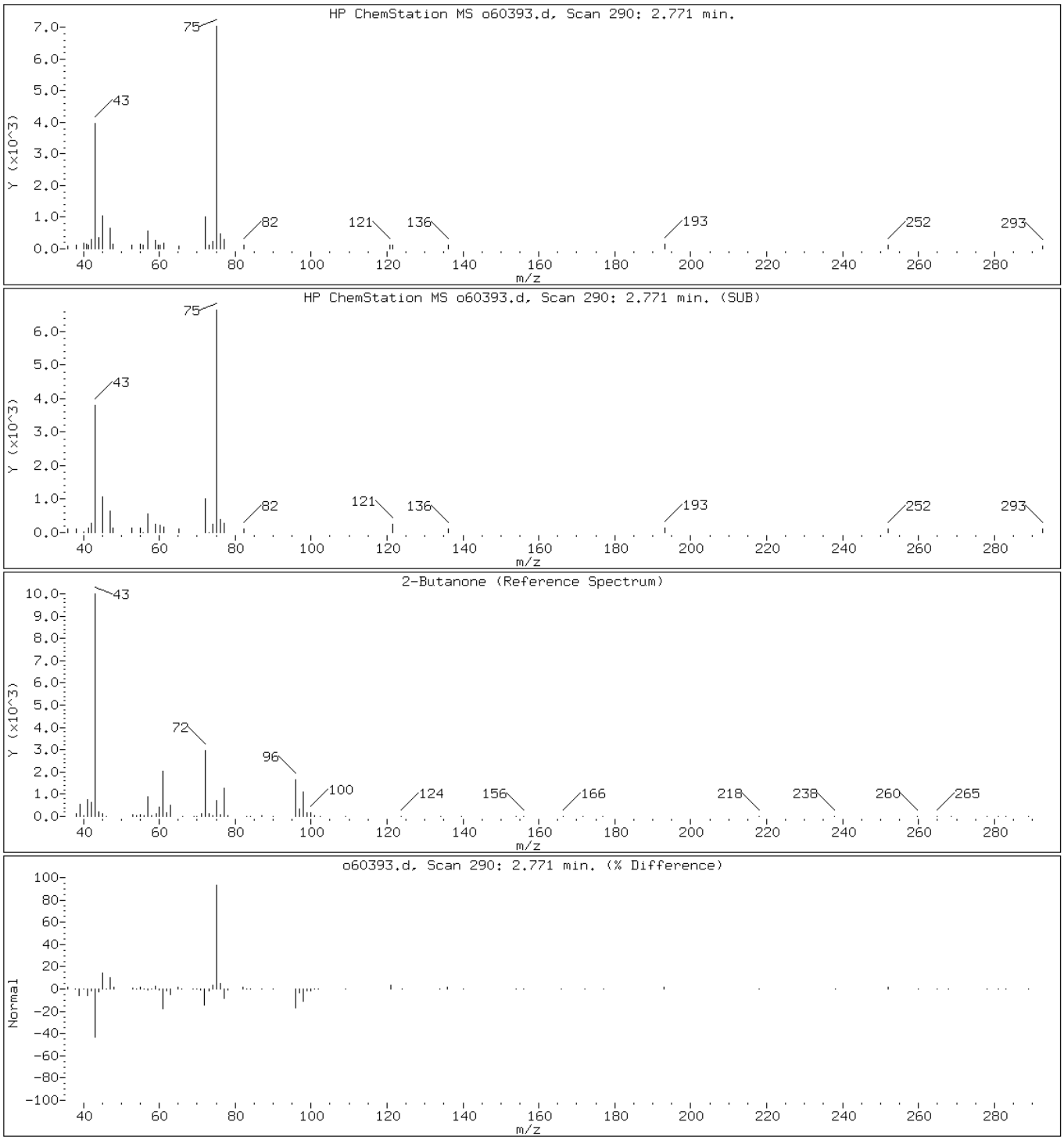
Data File: o60393.d

Date: 18-MAY-2012 12:22

Client ID: DB-6 15-15.5' Instrument: VOAMS12.i

Sample Info: 460-40258-A-10-C;;;5.61;5 Operator: VOAMS 9

18 2-Butanone



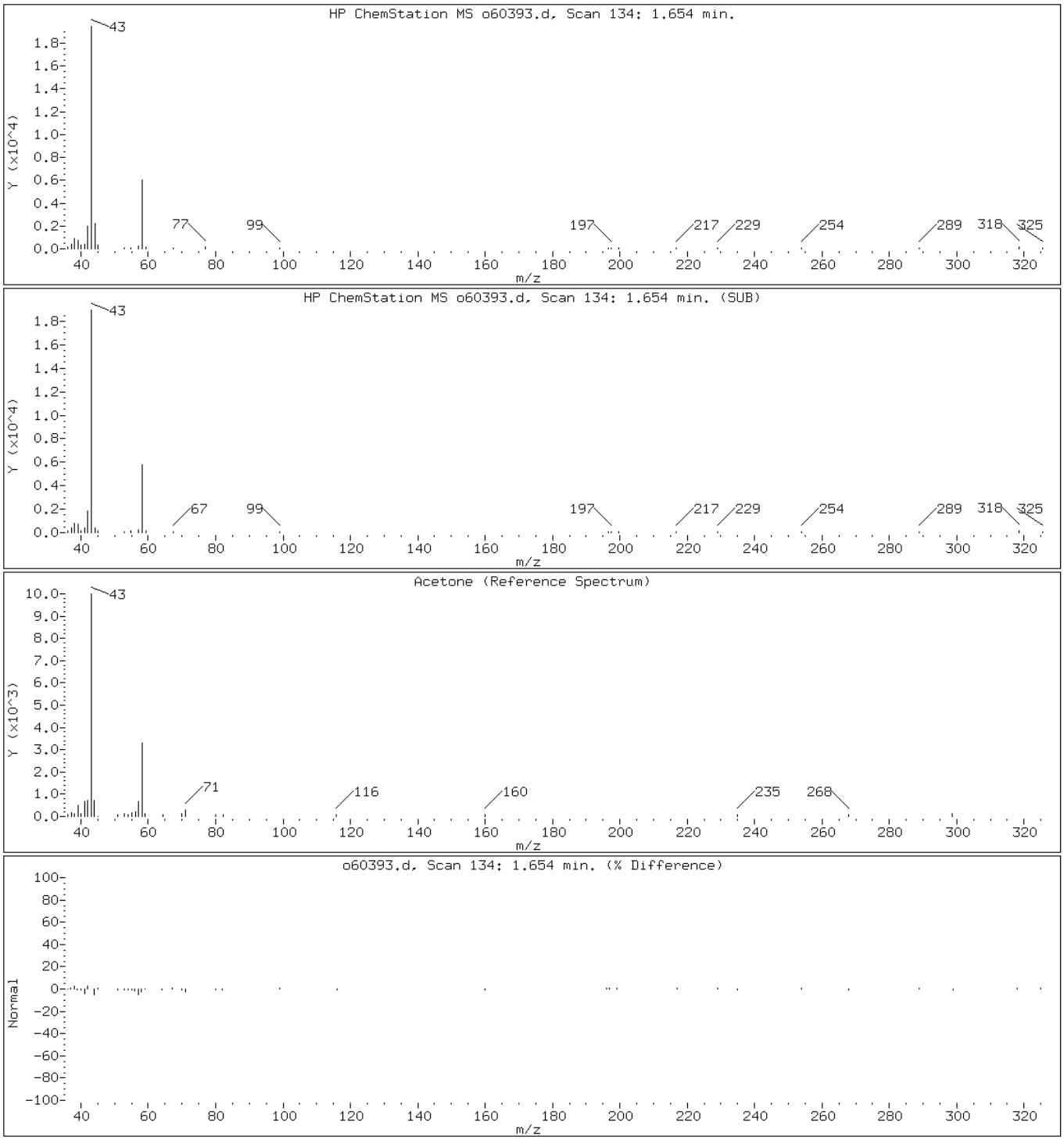
Data File: o60393.d

Date: 18-MAY-2012 12:22

Client ID: DB-6 15-15.5' Instrument: VOAMS12.i

Sample Info: 460-40258-A-10-C;;;5.61;5 Operator: VOAMS 9

7 Acetone



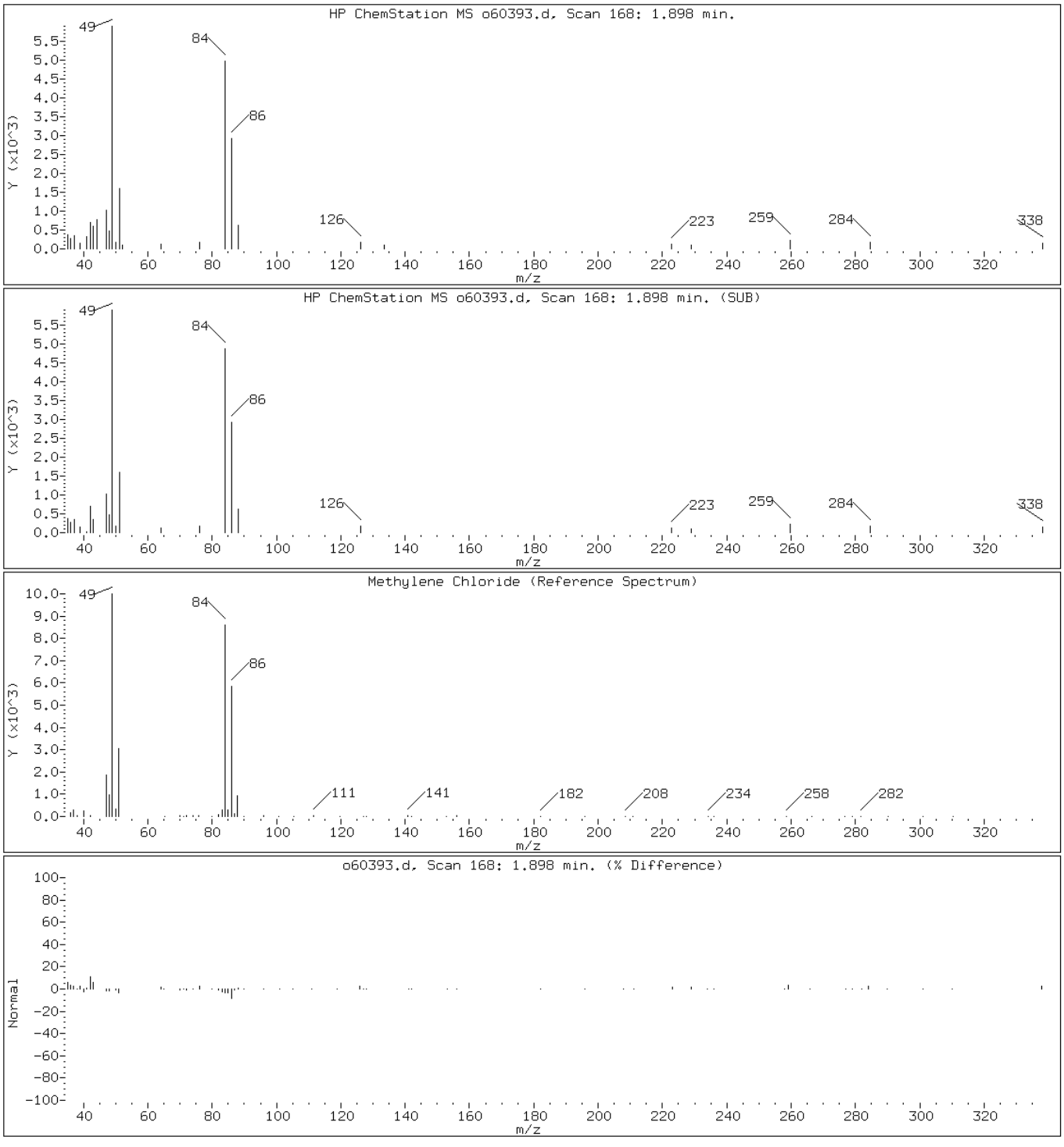
Data File: o60393.d

Date: 18-MAY-2012 12:22

Client ID: DB-6 15-15.5' Instrument: VOAMS12.i

Sample Info: 460-40258-A-10-C;;;5.61;5 Operator: VOAMS 9

6 Methylene Chloride



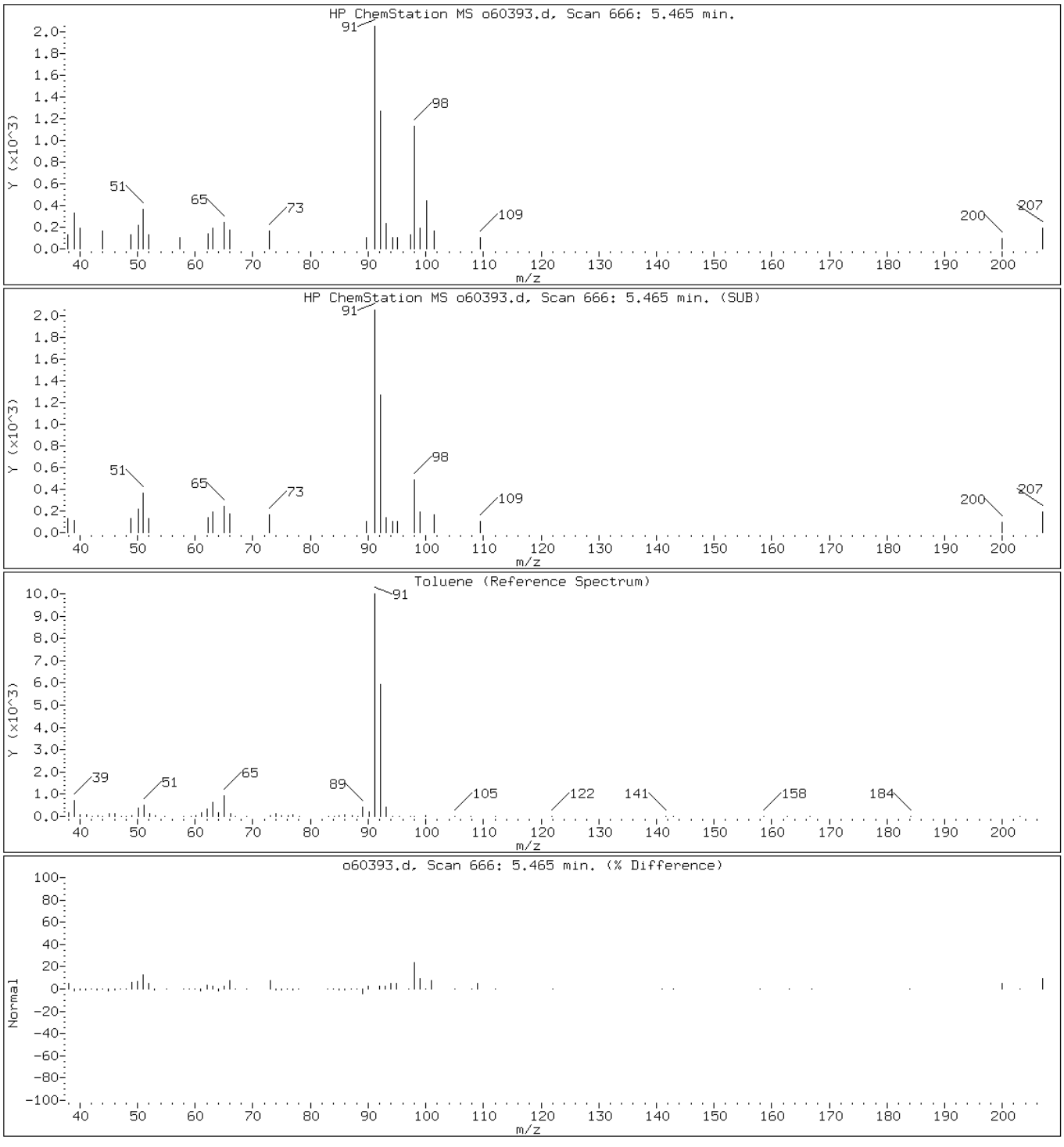
Data File: o60393.d

Date: 18-MAY-2012 12:22

Client ID: DB-6 15-15.5' Instrument: VOAMS12.i

Sample Info: 460-40258-A-10-C;;;5.61;5 Operator: VOAMS 9

38 Toluene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-40258-1

SDG No.:

Client Sample ID: DB-6 30-30.5' | Lab Sample ID: 460-40258-12

Matrix: Solid | Lab File ID: b42268.d

Analysis Method: 8260B | Date Collected: 05/11/2012 10:50

Sample wt/vol: 4.77(g) | Date Analyzed: 05/18/2012 11:17

Soil Aliquot Vol: 5 (mL) | Dilution Factor: 50

Soil Extract Vol.: 10(mL) | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: 11.4 | Level: (low/med) Medium

Analysis Batch No.: 113082 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-15-0	Carbon disulfide	15	U	120	15
127-18-4	Tetrachloroethene	11	U	120	11
78-87-5	1,2-Dichloropropane	10	U	120	10
108-10-1	4-Methyl-2-pentanone	120	U	590	120
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	9.7	U	120	9.7
124-48-1	Dibromochloromethane	24	U	120	24
120-82-1	1,2,4-Trichlorobenzene	40	U	120	40
100-42-5	Styrene	1500		120	14
87-61-6	1,2,3-Trichlorobenzene	60	U	120	60
79-34-5	1,1,2,2-Tetrachloroethane	19	U	120	19
75-00-3	Chloroethane	20	U	120	20
78-93-3	2-Butanone	270	U	590	270
98-82-8	Isopropylbenzene	430		120	9.1
71-55-6	1,1,1-Trichloroethane	7.4	U	120	7.4
71-43-2	Benzene	640		120	9.8
10061-01-5	cis-1,3-Dichloropropene	22	U	120	22
74-97-5	Bromochloromethane	32	U	120	32
75-25-2	Bromoform	23	U	120	23
75-34-3	1,1-Dichloroethane	15	U	120	15
107-06-2	1,2-Dichloroethane	22	U	120	22
79-00-5	1,1,2-Trichloroethane	22	U	120	22
67-64-1	Acetone	320	U	590	320
79-20-9	Methyl acetate	40	U	240	40
75-71-8	Dichlorodifluoromethane	25	U	120	25
75-09-2	Methylene Chloride	22	U	120	22
74-87-3	Chloromethane	11	U	120	11
74-83-9	Bromomethane	21	U	120	21
108-88-3	Toluene	420		120	18
95-47-6	o-Xylene	3500		120	15
108-90-7	Chlorobenzene	13	U	120	13
96-12-8	1,2-Dibromo-3-Chloropropane	47	U	120	47
541-73-1	1,3-Dichlorobenzene	16	U	120	16
1634-04-4	MTBE	16	U	120	16
156-60-5	trans-1,2-Dichloroethene	15	U	120	15
123-91-1	1,4-Dioxane	4300	U	5900	4300

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-40258-1

SDG No.:

Client Sample ID: DB-6 30-30.5' | Lab Sample ID: 460-40258-12

Matrix: Solid | Lab File ID: b42268.d

Analysis Method: 8260B | Date Collected: 05/11/2012 10:50

Sample wt/vol: 4.77(g) | Date Analyzed: 05/18/2012 11:17

Soil Aliquot Vol: 5 (mL) | Dilution Factor: 50

Soil Extract Vol.: 10(mL) | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: 11.4 | Level: (low/med) Medium

Analysis Batch No.: 113082 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-35-4	1,1-Dichloroethene	10	U	120	10
95-50-1	1,2-Dichlorobenzene	24	U	120	24
79-01-6	Trichloroethene	11	U	120	11
591-78-6	2-Hexanone	59	U	590	59
100-41-4	Ethylbenzene	7200		120	11
108-87-2	Methylcyclohexane	110	J	120	16
75-69-4	Trichlorofluoromethane	17	U	120	17
110-82-7	Cyclohexane	81	J	120	19
10061-02-6	trans-1,3-Dichloropropene	29	U	120	29
156-59-2	cis-1,2-Dichloroethene	21	U	120	21
67-66-3	Chloroform	9.3	U	120	9.3
179601-23-1	m&p-Xylene	5100		240	29
75-01-4	Vinyl chloride	17	U	120	17
106-93-4	1,2-Dibromoethane	33	U	120	33
56-23-5	Carbon tetrachloride	6.7	U	120	6.7
106-46-7	1,4-Dichlorobenzene	28	U	120	28
75-27-4	Bromodichloromethane	15	U	120	15
104-51-8	n-Butylbenzene	17	U	120	17
95-63-6	1,2,4-Trimethylbenzene	8100		120	15
135-98-8	sec-Butylbenzene	36	J	120	21
103-65-1	N-Propylbenzene	510		120	11
108-67-8	1,3,5-Trimethylbenzene	3000		120	18
98-06-6	tert-Butylbenzene	14	U	120	14
99-87-6	p-Isopropyltoluene	420		120	16

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	91		75-135
2037-26-5	Toluene-d8 (Surr)	87		59-150

Data File: /chem/VOAMS2.i/8260_09/04-24-12/18may12.b/b42268.d
Report Date: 22-May-2012 11:21

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS2.i/8260_09/04-24-12/18may12.b/b42268.d
Lab Smp Id: 460-40258-A-12-A Client Smp ID: DB-6 30-30.5'
Inj Date : 18-MAY-2012 11:17
Operator : VOA GC/MS2 Inst ID: VOAMS2.i
Smp Info : 460-40258-A-12-A;50;;4.77;10
Misc Info : 460-40258-A-12-A
Comment   :
Method   : /chem/VOAMS2.i/8260_09/04-24-12/18may12.b/8260_09.m
Meth Date : 18-May-2012 04:40 audberto Quant Type: ISTD
Cal Date : 24-APR-2012 23:35 Cal File: b41439.d
Als bottle: 20
Dil Factor: 50.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * (Vt/Ws)/((100-M)/100) * CpndVariable

Name	Value	Description
DF	50.00000	Dilution Factor
Vt	10.00000	Volume of final extract (mL)
Ws	4.77000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
	44 Cyclohexane	56	4.369	4.353	(0.852)	3312	0.68756	72(a)
	48 Benzene	78	4.781	4.772	(0.561)	69606	5.39265	560
$	47 1,2-Dichloroethane-d4 (SUR)	65	4.814	4.805	(0.939)	195864	45.7147	4800
*	52 Fluorobenzene	96	5.126	5.118	(1.000)	666014	50.0000	
	56 Methyl cyclohexane	83	5.653	5.653	(1.103)	4116	0.93800	98(a)
$	65 Toluene-d8 (SUR)	98	7.044	7.044	(0.827)	491352	43.3293	4500
	66 Toluene	91	7.118	7.118	(0.836)	49843	3.58729	380
*	78 Chlorobenzene-d5	117	8.517	8.525	(1.000)	482776	50.0000	
	81 Ethylbenzene	106	8.624	8.632	(1.013)	266349	61.1319	6400
	82 m+p-Xylene	106	8.731	8.739	(1.025)	227205	43.1324	4500
	84 o-Xylene	106	9.068	9.077	(1.065)	157231	29.7756	3100
	85 Styrene	104	9.093	9.101	(1.068)	114184	12.9608	1400
	88 Isopropylbenzene	105	9.365	9.365	(1.100)	46923	3.66373	380
$	89 Bromofluorobenzene (SUR)	174	9.521	9.521	(0.917)	187111	43.5271	4600

Data File: /chem/VOAMS2.i/8260_09/04-24-12/18may12.b/b42268.d
Report Date: 22-May-2012 11:21

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
95	n-Propylbenzene	91	9.686	9.694	(0.933)	73987	4.32979	450(H)
97	1,3,5-Trimethylbenzene	105	9.834	9.834	(0.947)	298457	25.6548	2700
101	1,2,4-Trimethylbenzene	105	10.113	10.114	(0.974)	824523	68.0972	7100
103	sec-Butylbenzene	105	10.229	10.229	(0.985)	5024	0.30748	32(a)
107	p-Isopropyltoluene	119	10.336	10.336	(0.995)	47942	3.55516	370
* 108	1,4-Dichlorobenzene-d4	152	10.385	10.393	(1.000)	267917	50.0000	
116	Naphthalene	128	11.949	11.957	(1.151)	13761232	987.186	100000(A)
M 121	Xylene (Total)	100				384436	72.9080	7600

QC Flag Legend

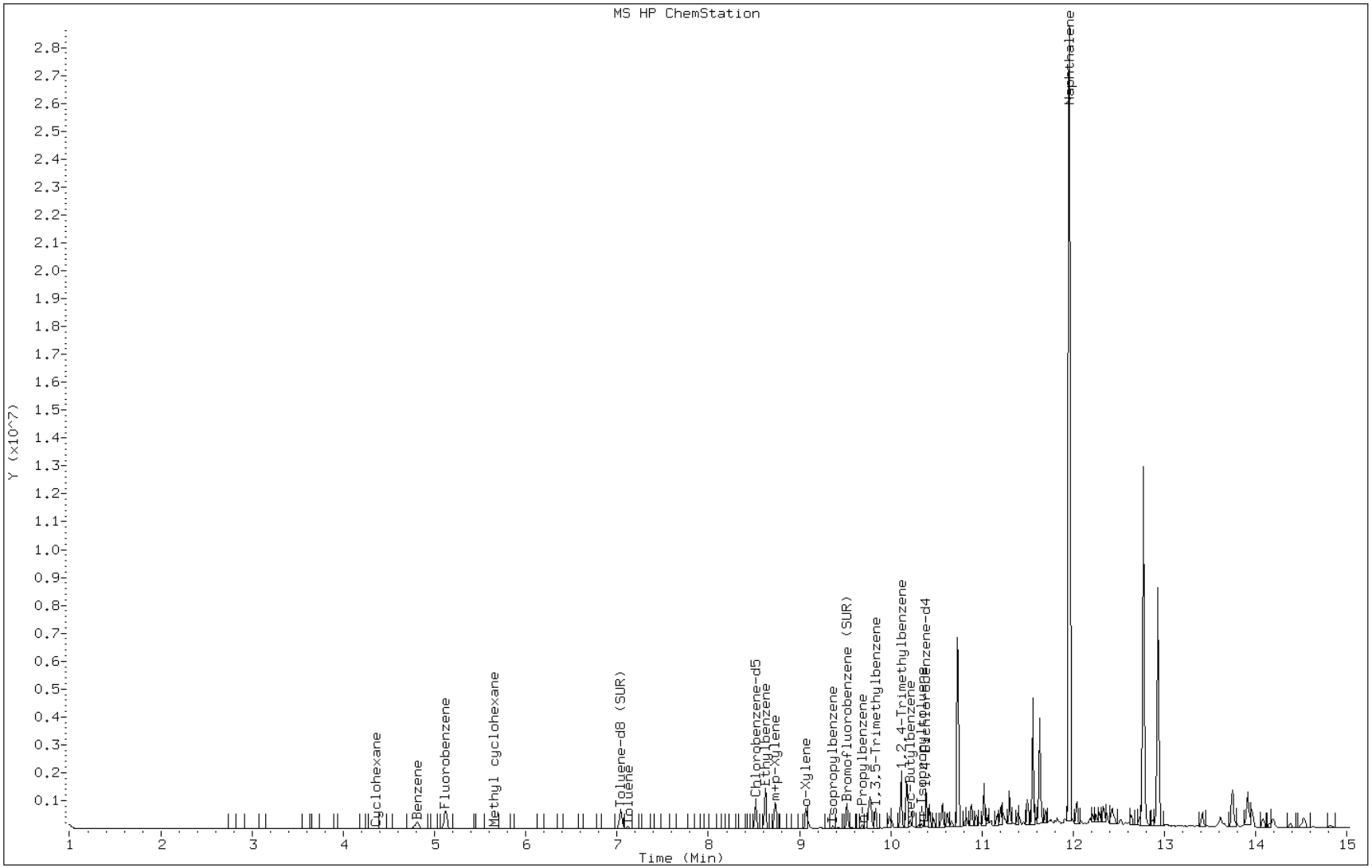
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount
exceeded maximum amount.
H - Operator selected an alternate compound hit.

Data File: b42268.d

Date: 18-MAY-2012 11:17

Client ID: DB-6 30-30.5' Instrument: VOAMS2.i

Sample Info: 460-40258-A-12-A;50;;4.77;10 Operator: VOA GC/MS2



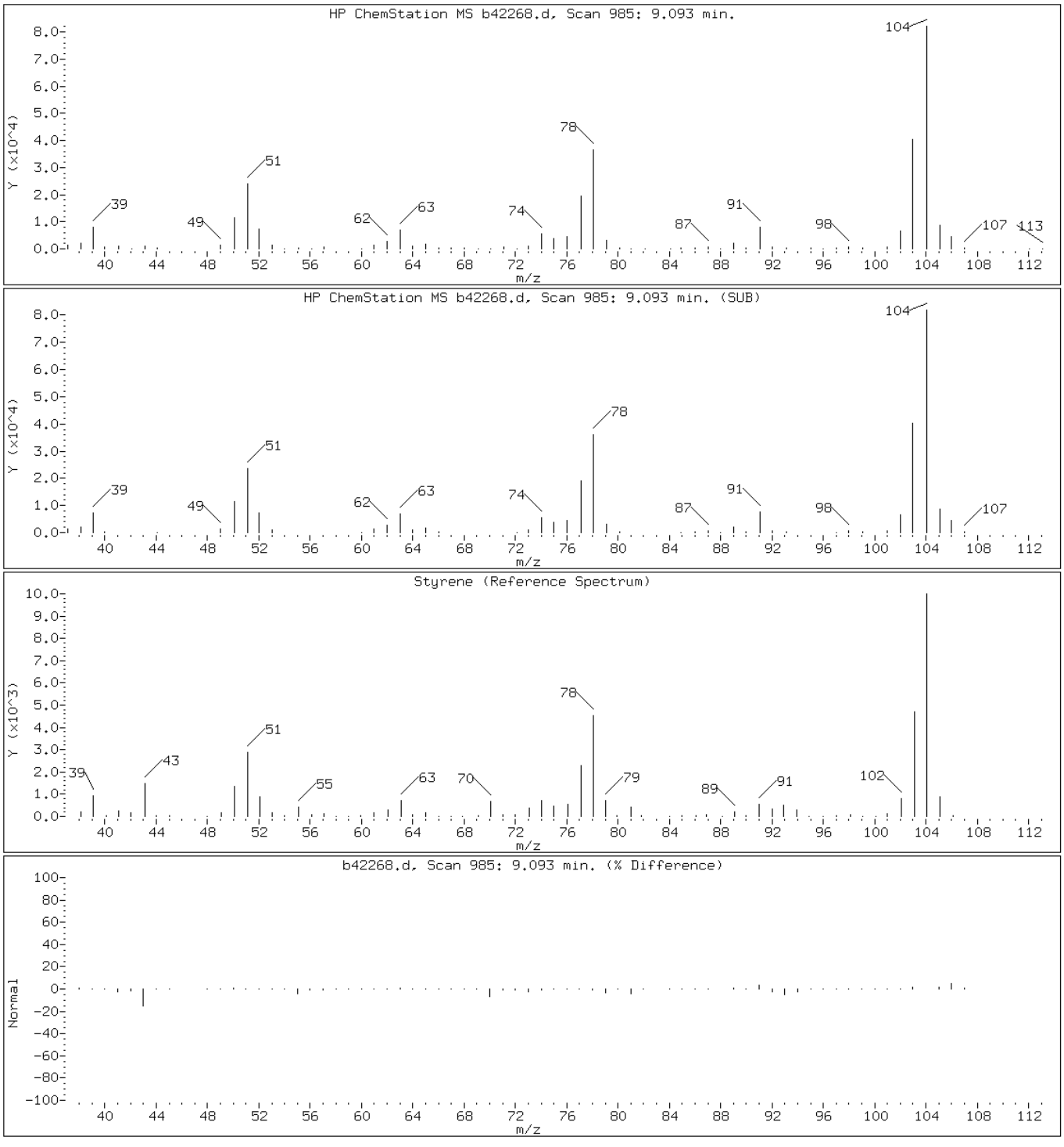
Data File: b42268.d

Date: 18-MAY-2012 11:17

Client ID: DB-6 30-30.5' Instrument: VOAMS2.i

Sample Info: 460-40258-A-12-A;50;;4.77;10 Operator: VOA GC/MS2

85 Styrene



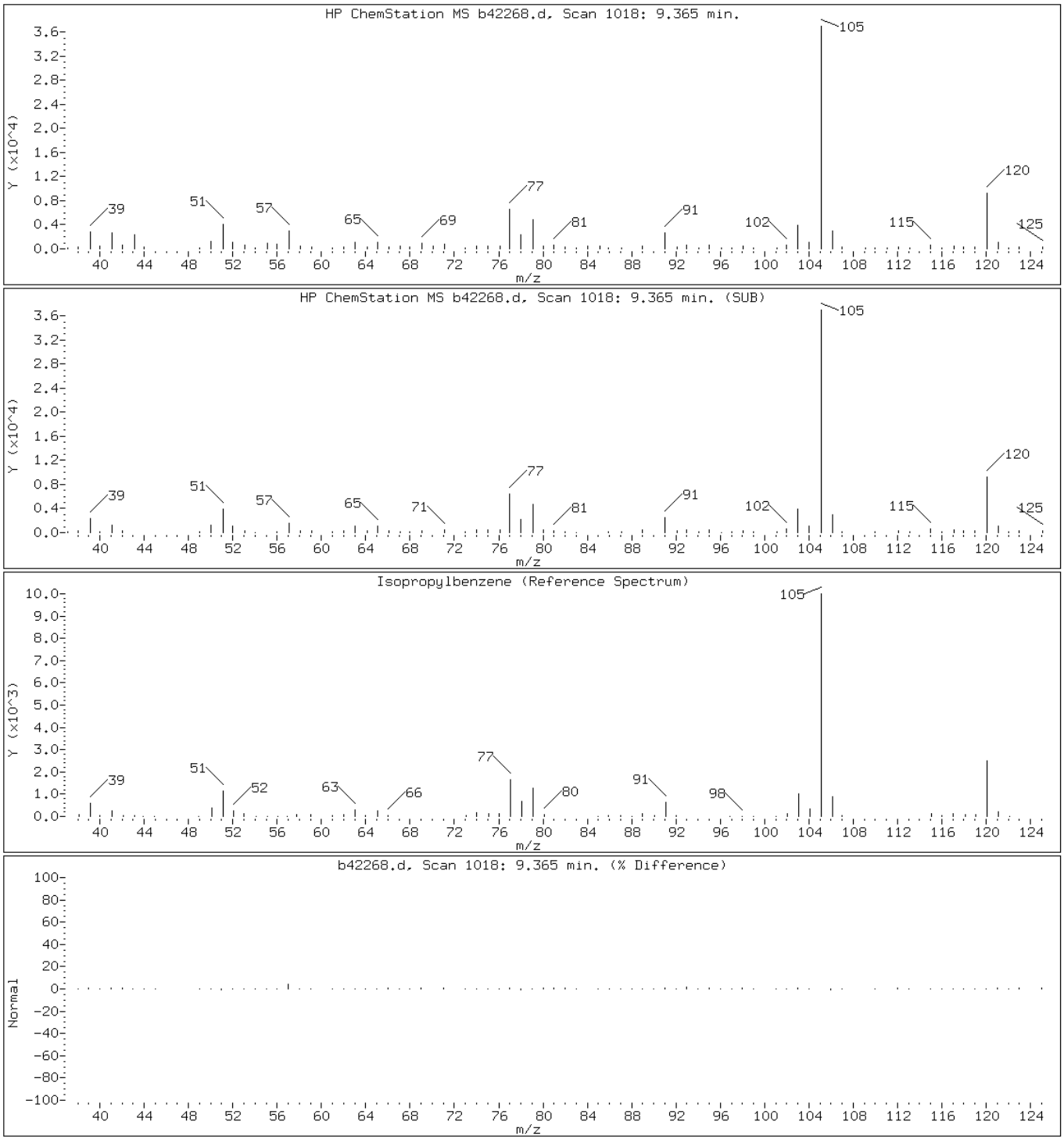
Data File: b42268.d

Date: 18-MAY-2012 11:17

Client ID: DB-6 30-30.5' Instrument: VOAMS2.i

Sample Info: 460-40258-A-12-A;50;;4.77;10 Operator: VOA GC/MS2

88 Isopropylbenzene



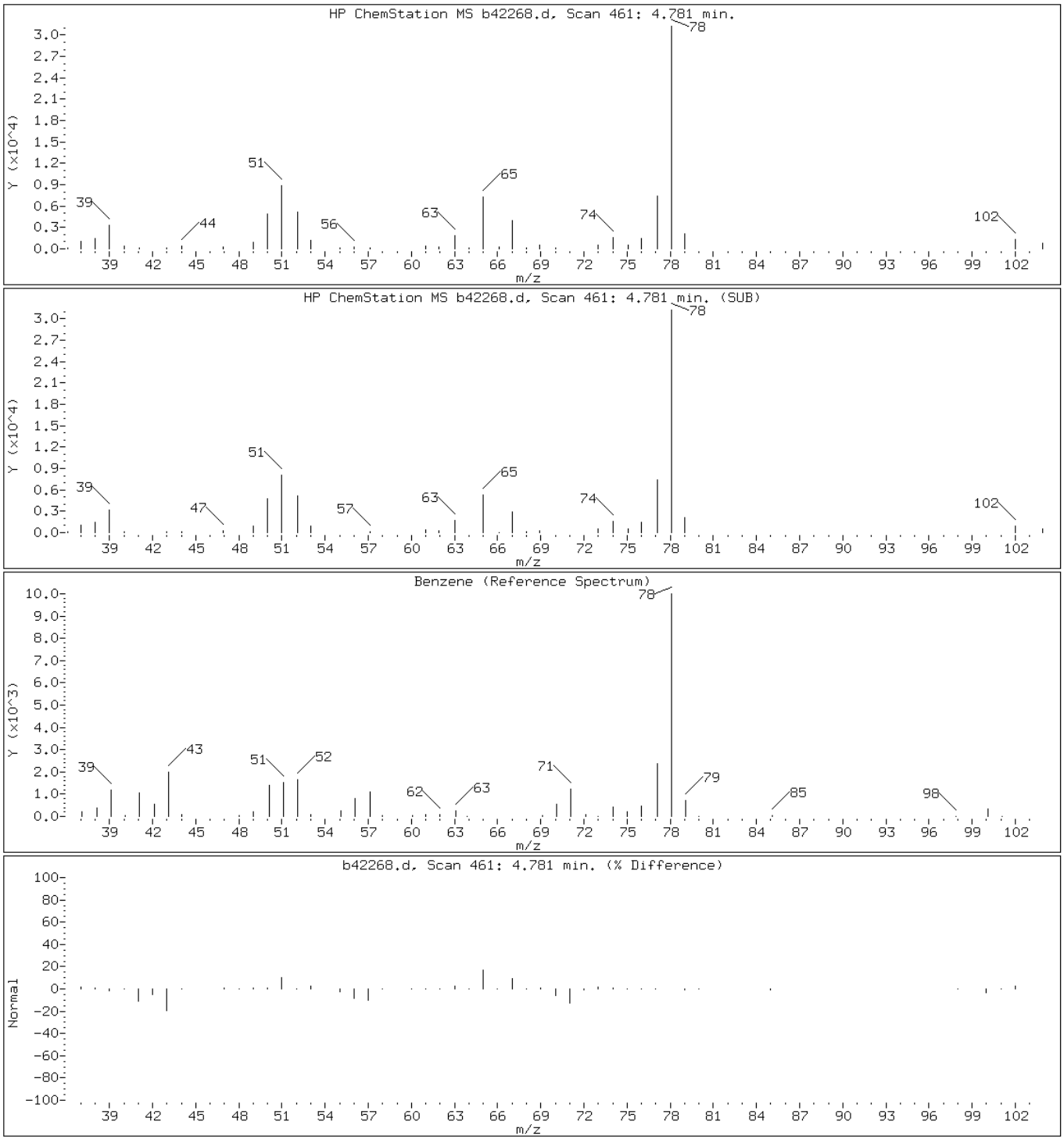
Data File: b42268.d

Date: 18-MAY-2012 11:17

Client ID: DB-6 30-30.5' Instrument: VOAMS2.i

Sample Info: 460-40258-A-12-A;50;;4.77;10 Operator: VOA GC/MS2

48 Benzene



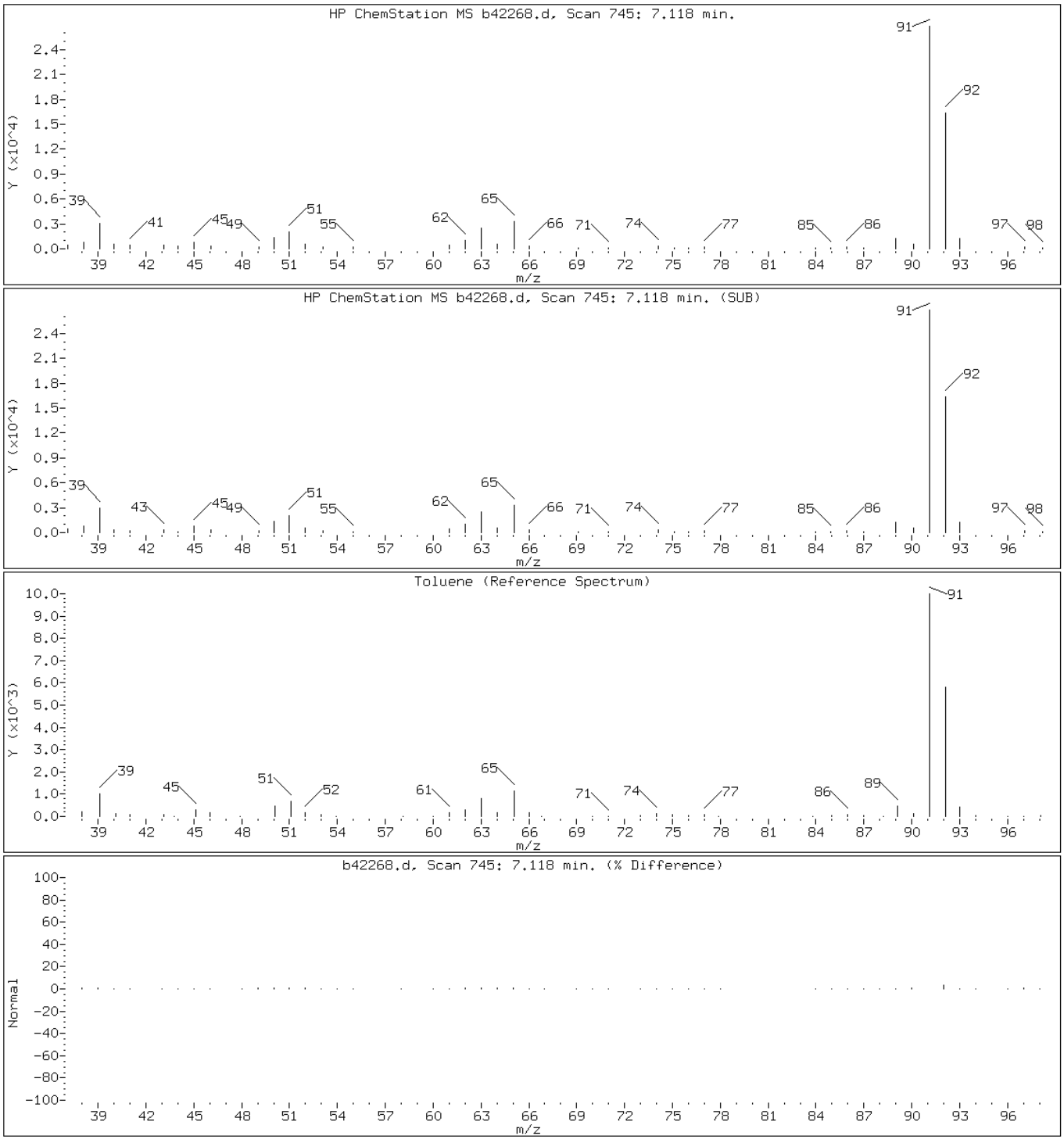
Data File: b42268.d

Date: 18-MAY-2012 11:17

Client ID: DB-6 30-30.5' Instrument: VOAMS2.i

Sample Info: 460-40258-A-12-A;50;;4.77;10 Operator: VOA GC/MS2

66 Toluene



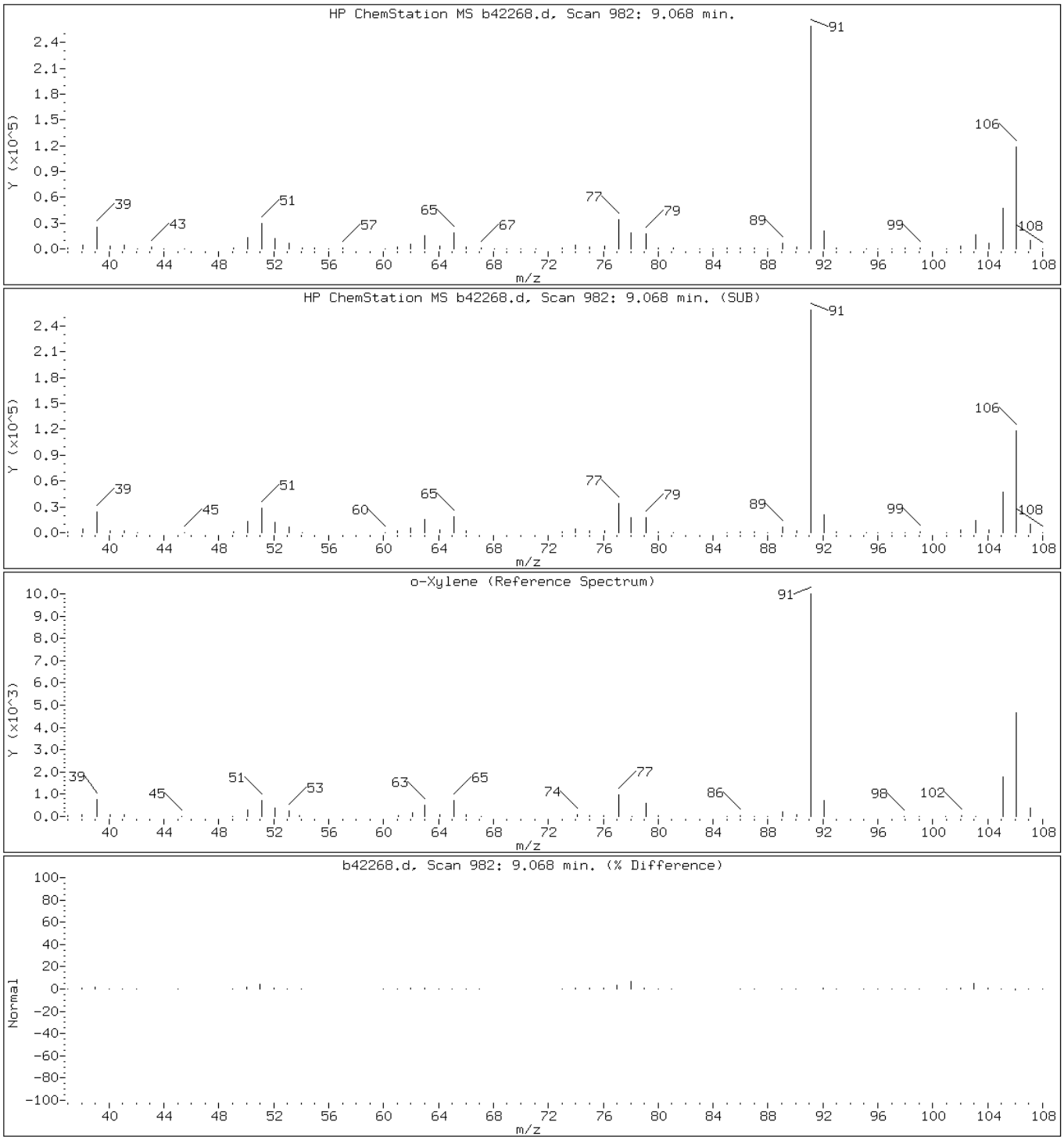
Data File: b42268.d

Date: 18-MAY-2012 11:17

Client ID: DB-6 30-30.5' Instrument: VOAMS2.i

Sample Info: 460-40258-A-12-A;50;;4.77;10 Operator: VOA GC/MS2

84 o-Xylene



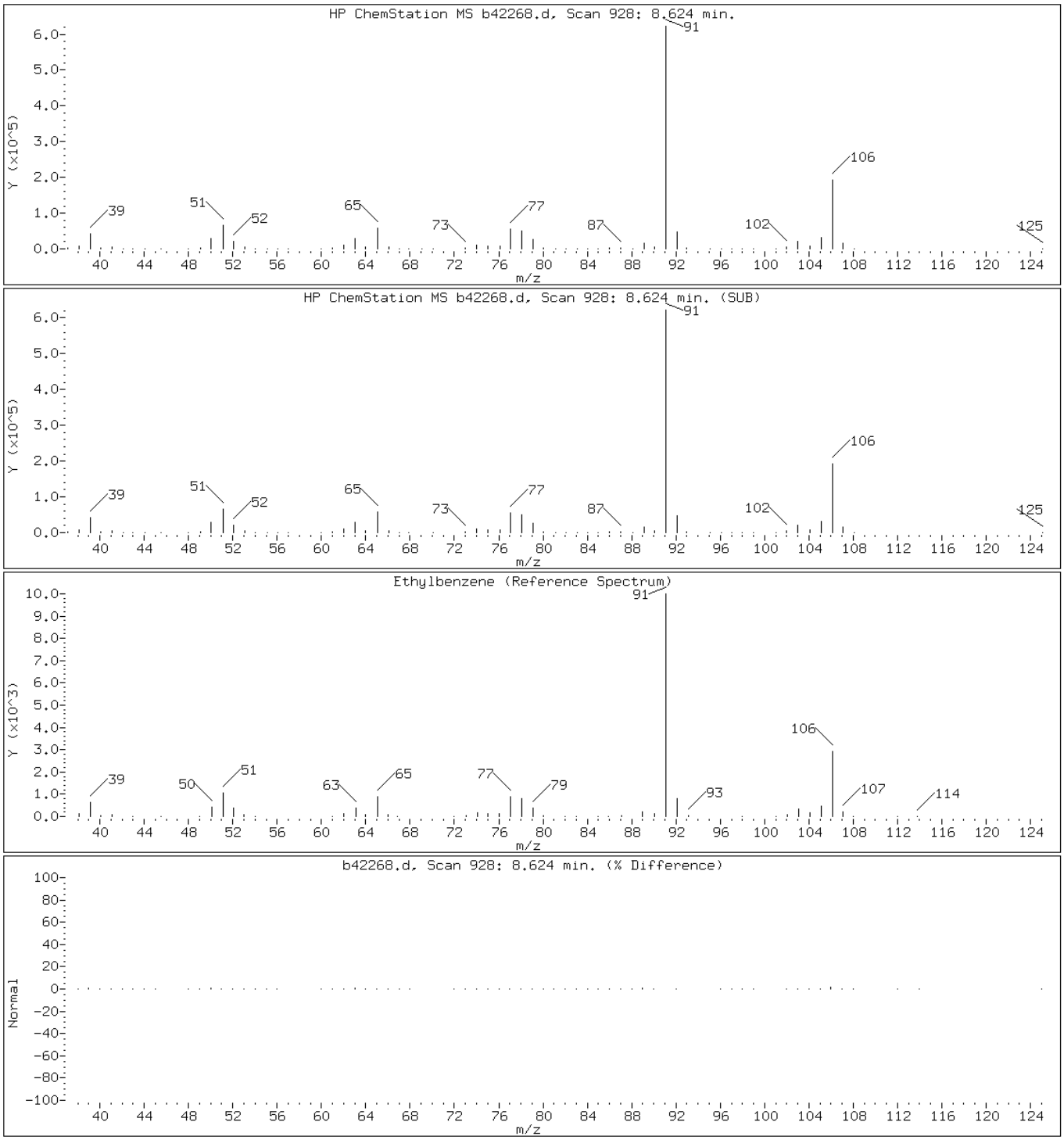
Data File: b42268.d

Date: 18-MAY-2012 11:17

Client ID: DB-6 30-30.5' Instrument: VOAMS2.i

Sample Info: 460-40258-A-12-A;50;;4.77;10 Operator: VOA GC/MS2

81 Ethylbenzene



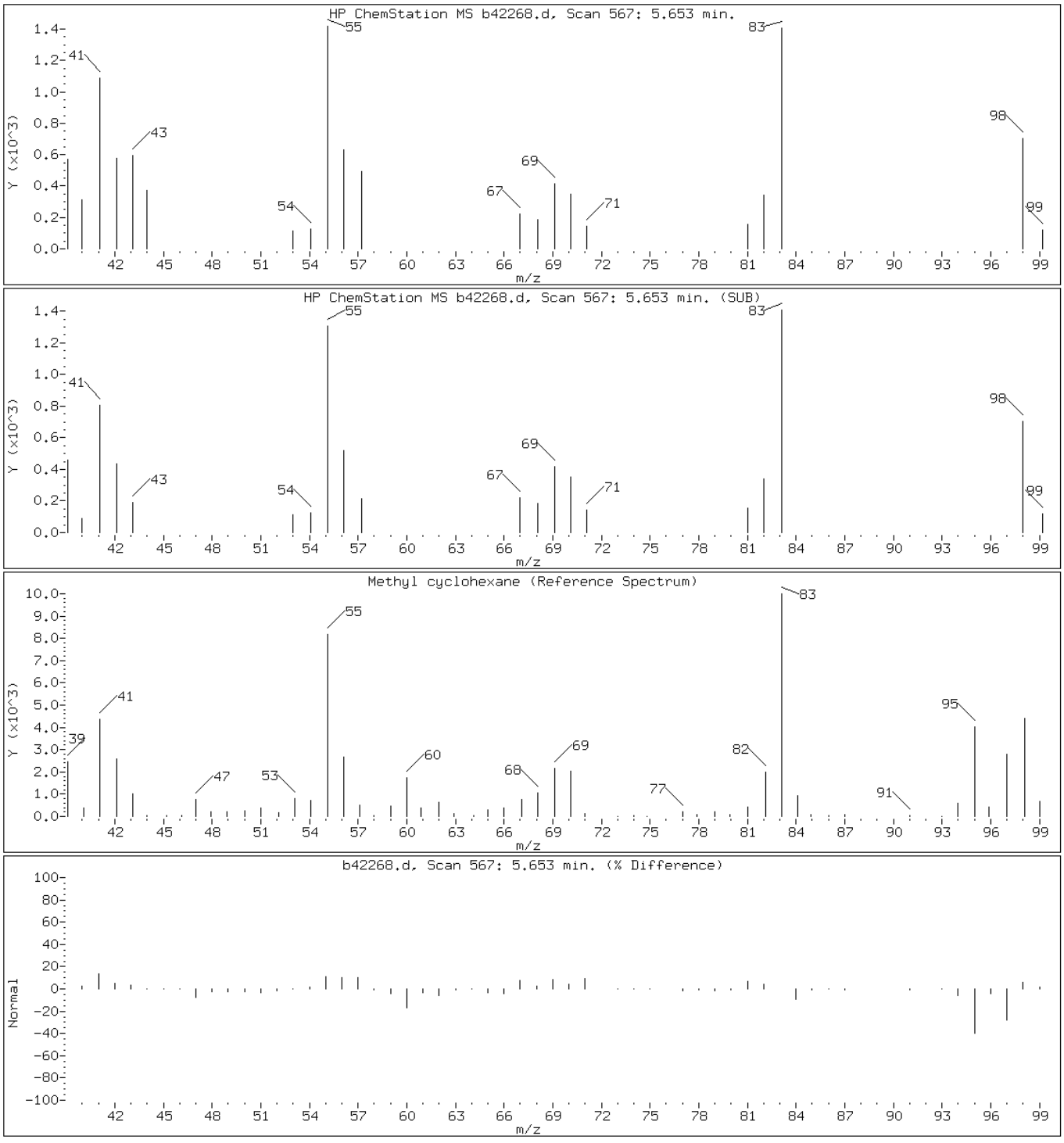
Data File: b42268.d

Date: 18-MAY-2012 11:17

Client ID: DB-6 30-30.5' Instrument: VOAMS2.i

Sample Info: 460-40258-A-12-A;50;;4.77;10 Operator: VOA GC/MS2

56 Methyl cyclohexane



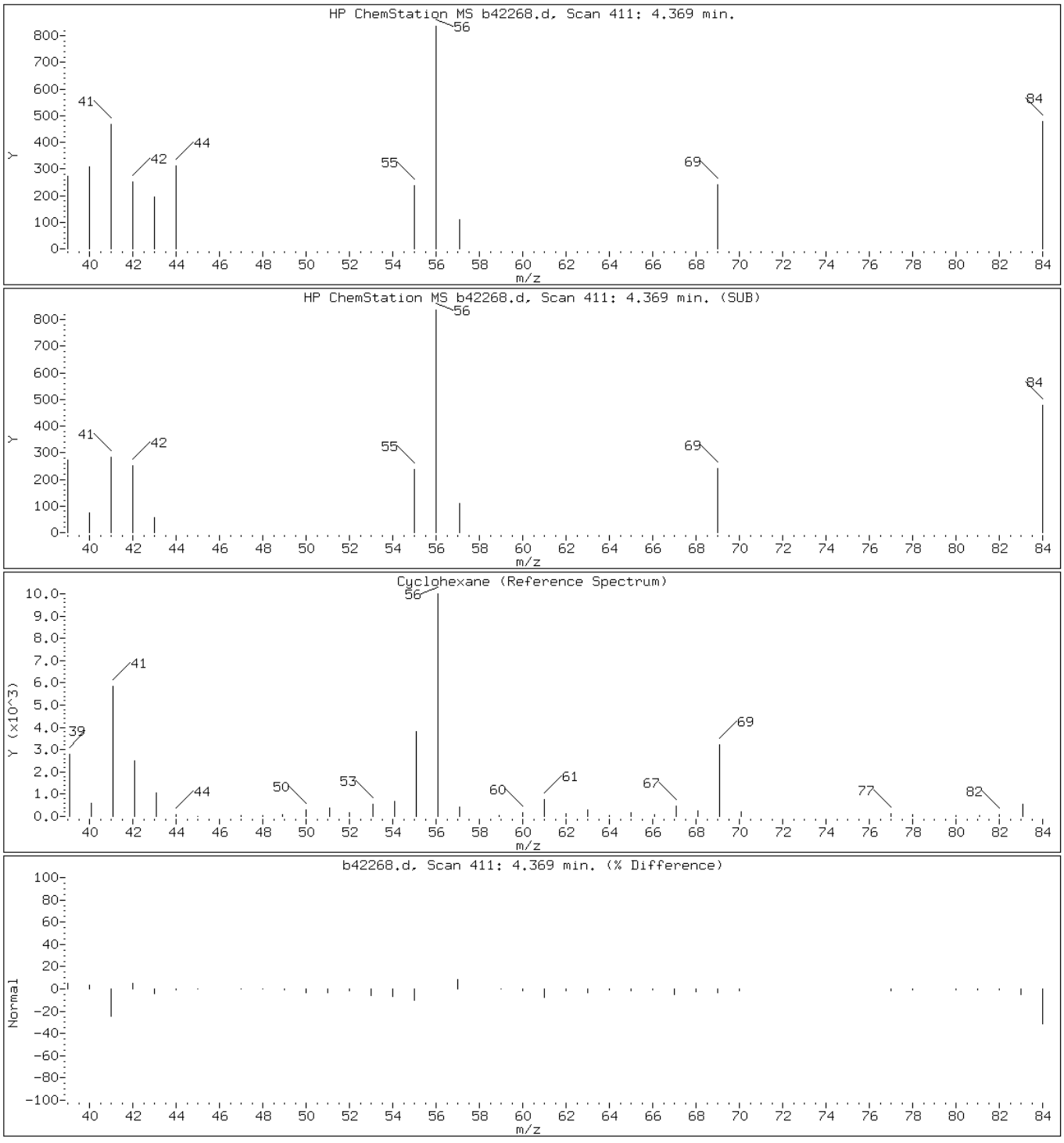
Data File: b42268.d

Date: 18-MAY-2012 11:17

Client ID: DB-6 30-30.5' Instrument: VOAMS2.i

Sample Info: 460-40258-A-12-A;50;;4.77;10 Operator: VOA GC/MS2

44 Cyclohexane



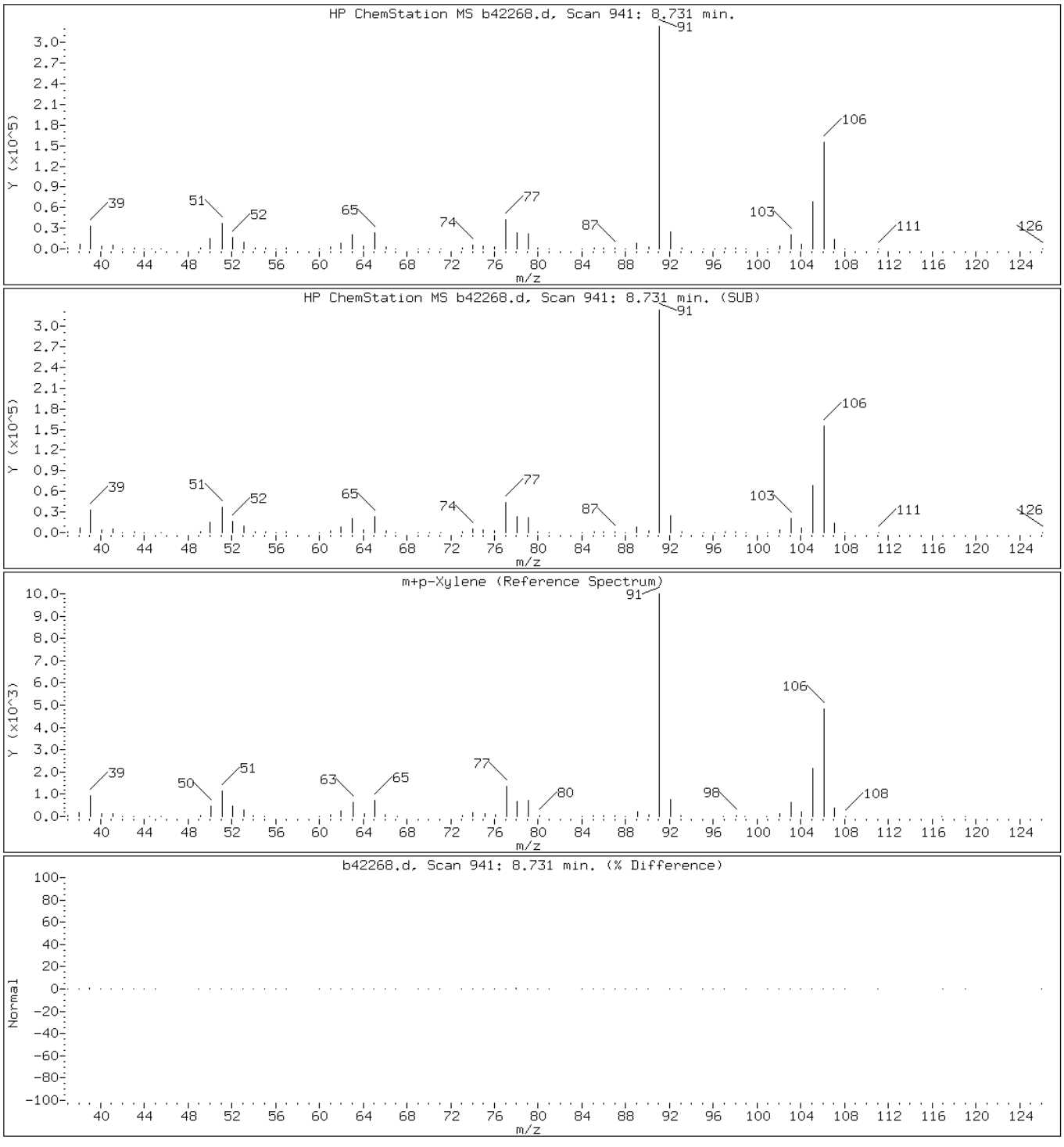
Data File: b42268.d

Date: 18-MAY-2012 11:17

Client ID: DB-6 30-30.5' Instrument: VOAMS2.i

Sample Info: 460-40258-A-12-A;50;;4.77;10 Operator: VOA GC/MS2

82 m+p-Xylene



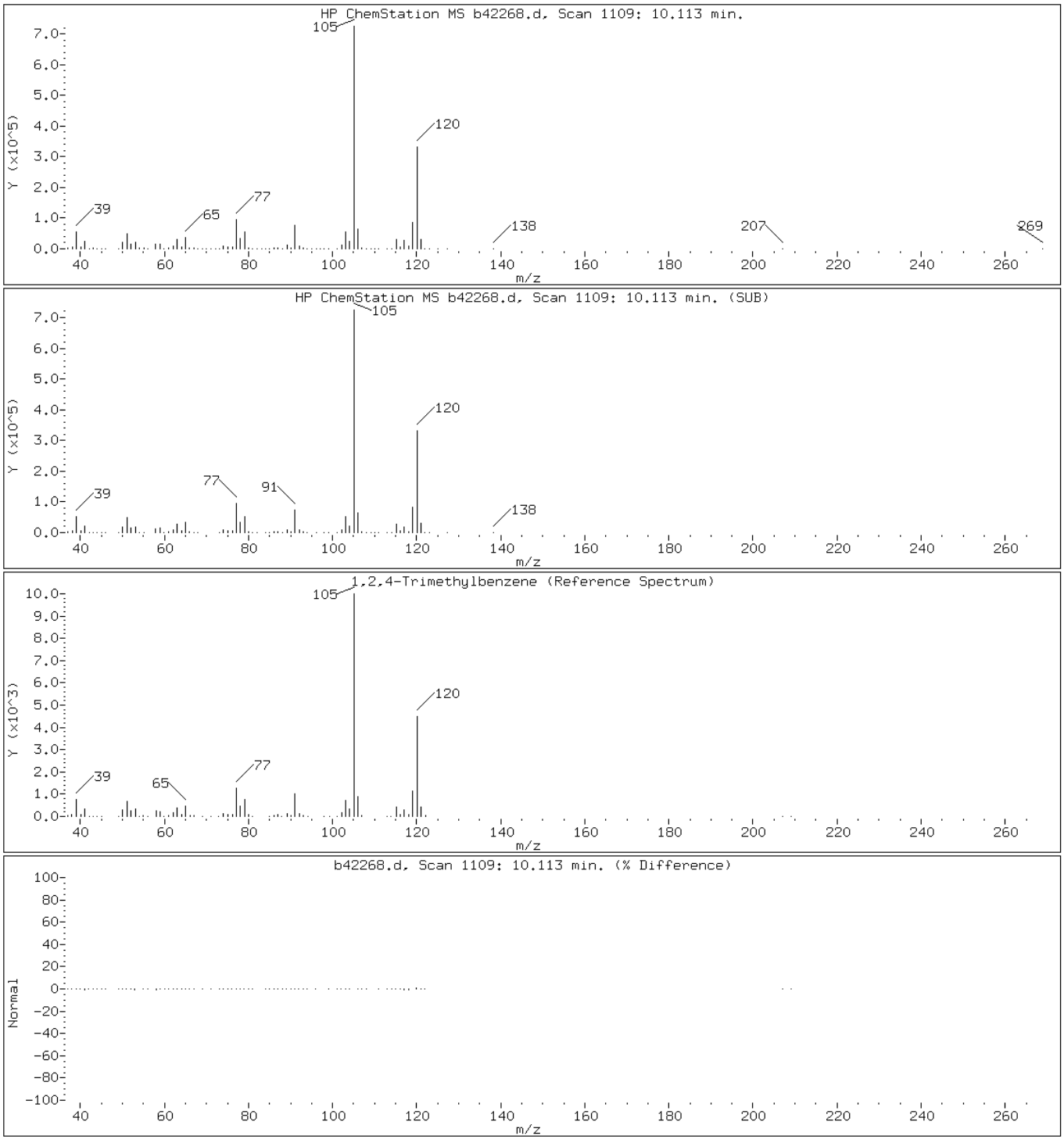
Data File: b42268.d

Date: 18-MAY-2012 11:17

Client ID: DB-6 30-30.5' Instrument: VOAMS2.i

Sample Info: 460-40258-A-12-A;50;;4.77;10 Operator: VOA GC/MS2

101 1,2,4-Trimethylbenzene



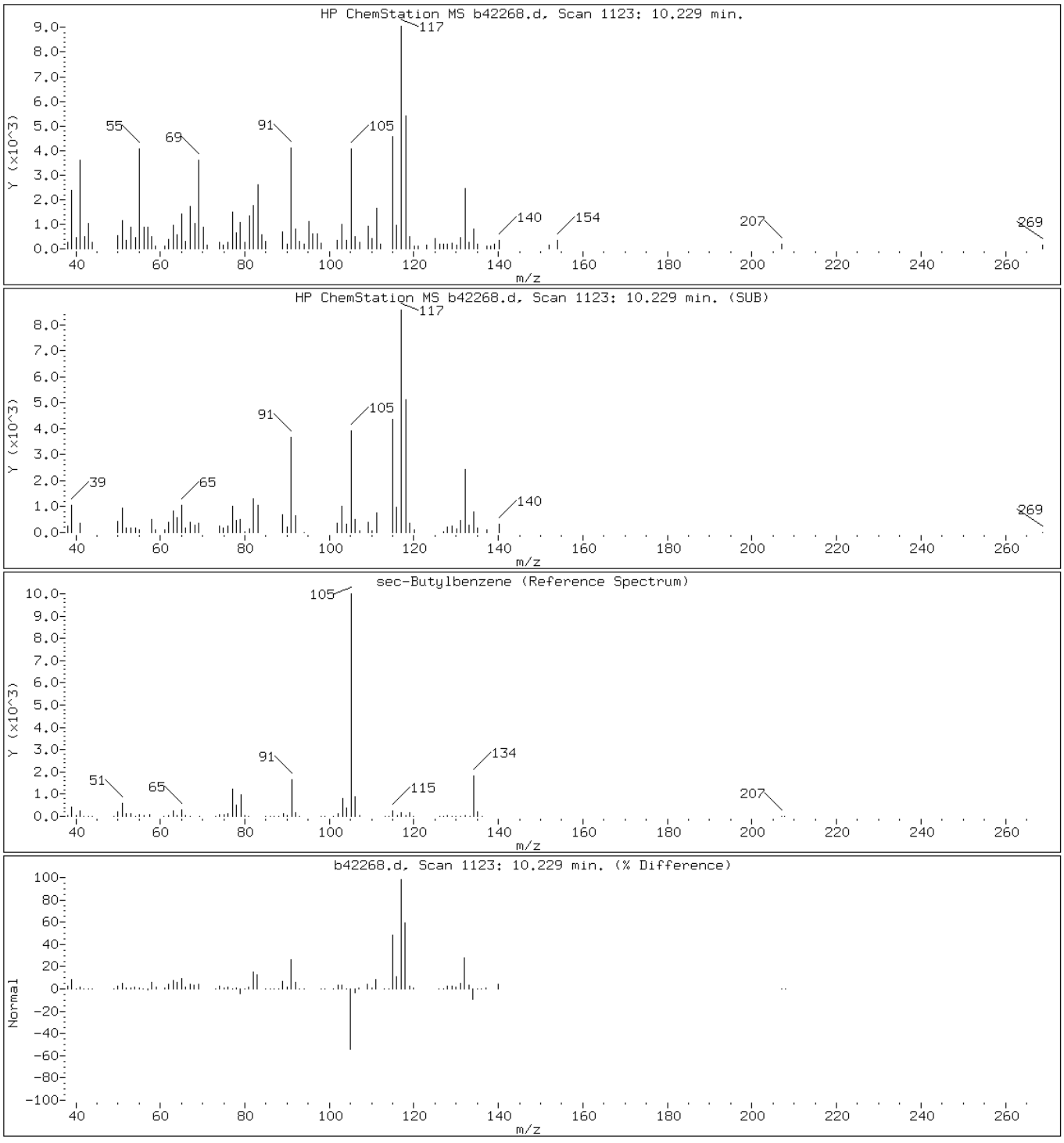
Data File: b42268.d

Date: 18-MAY-2012 11:17

Client ID: DB-6 30-30.5' Instrument: VOAMS2.i

Sample Info: 460-40258-A-12-A;50;;4.77;10 Operator: VOA GC/MS2

103 sec-Butylbenzene



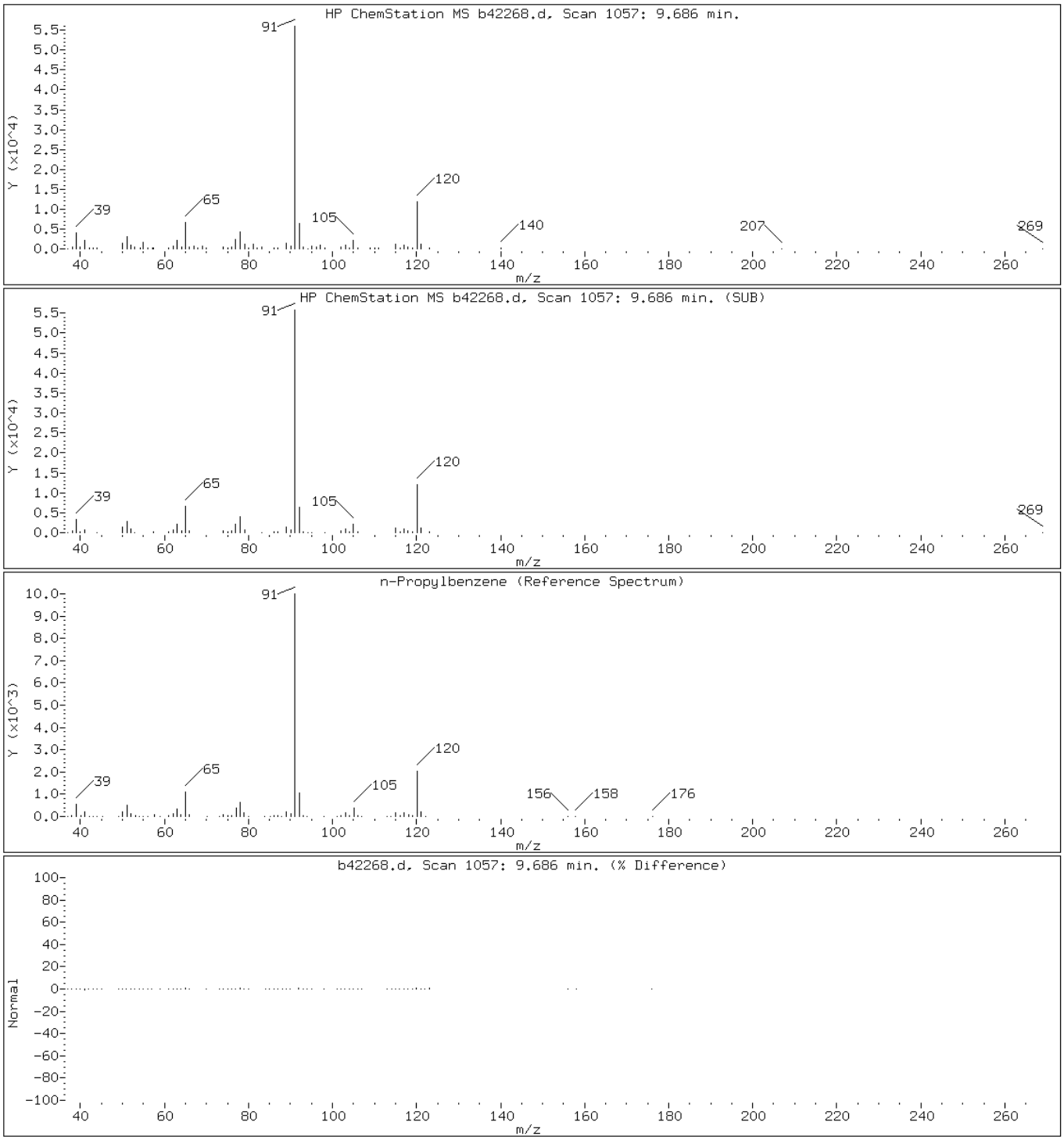
Data File: b42268.d

Date: 18-MAY-2012 11:17

Client ID: DB-6 30-30.5' Instrument: VOAMS2.i

Sample Info: 460-40258-A-12-A;50;;4.77;10 Operator: VOA GC/MS2

95 n-Propylbenzene



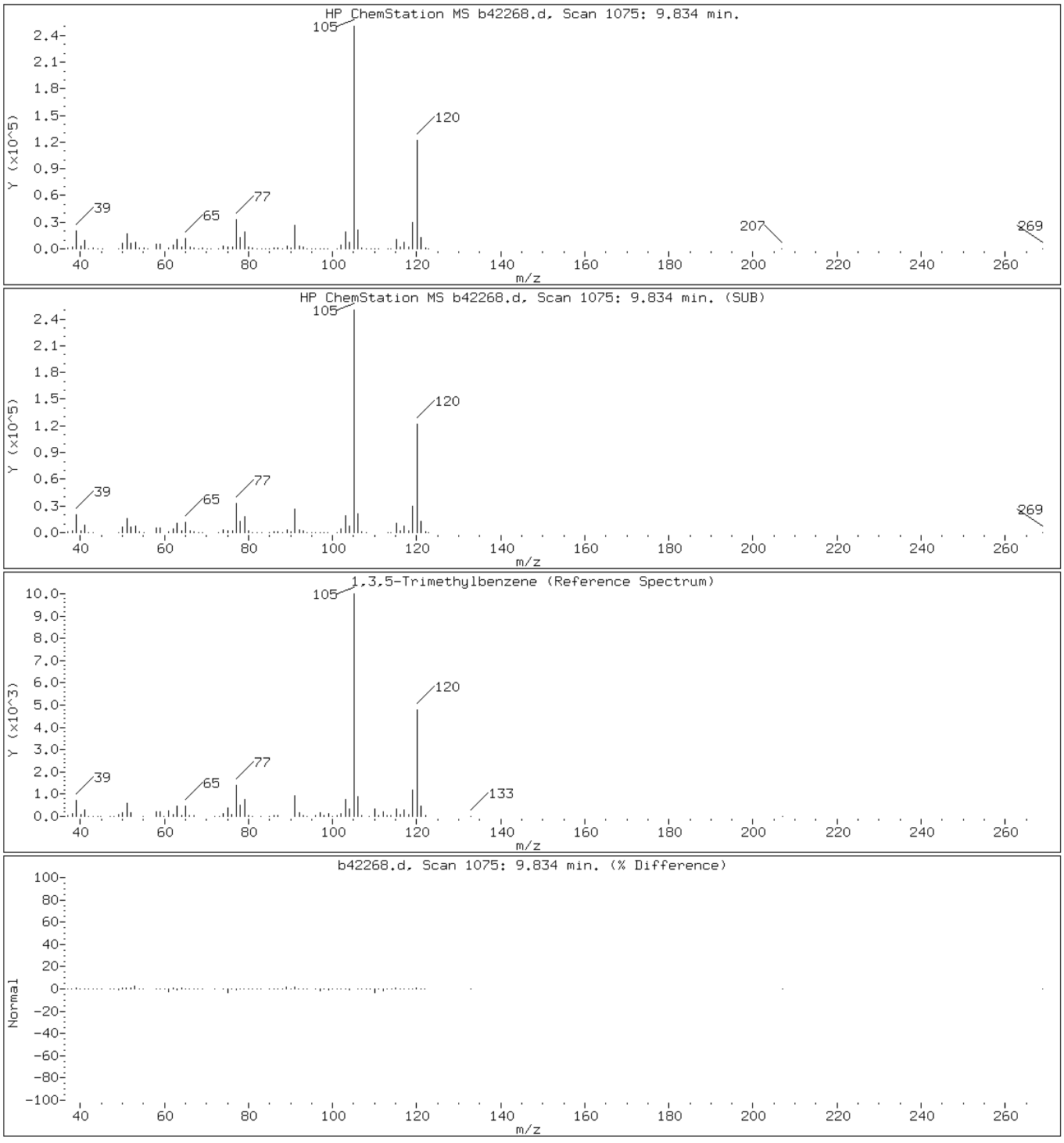
Data File: b42268.d

Date: 18-MAY-2012 11:17

Client ID: DB-6 30-30.5' Instrument: VOAMS2.i

Sample Info: 460-40258-A-12-A;50;;4.77;10 Operator: VOA GC/MS2

97 1,3,5-Trimethylbenzene



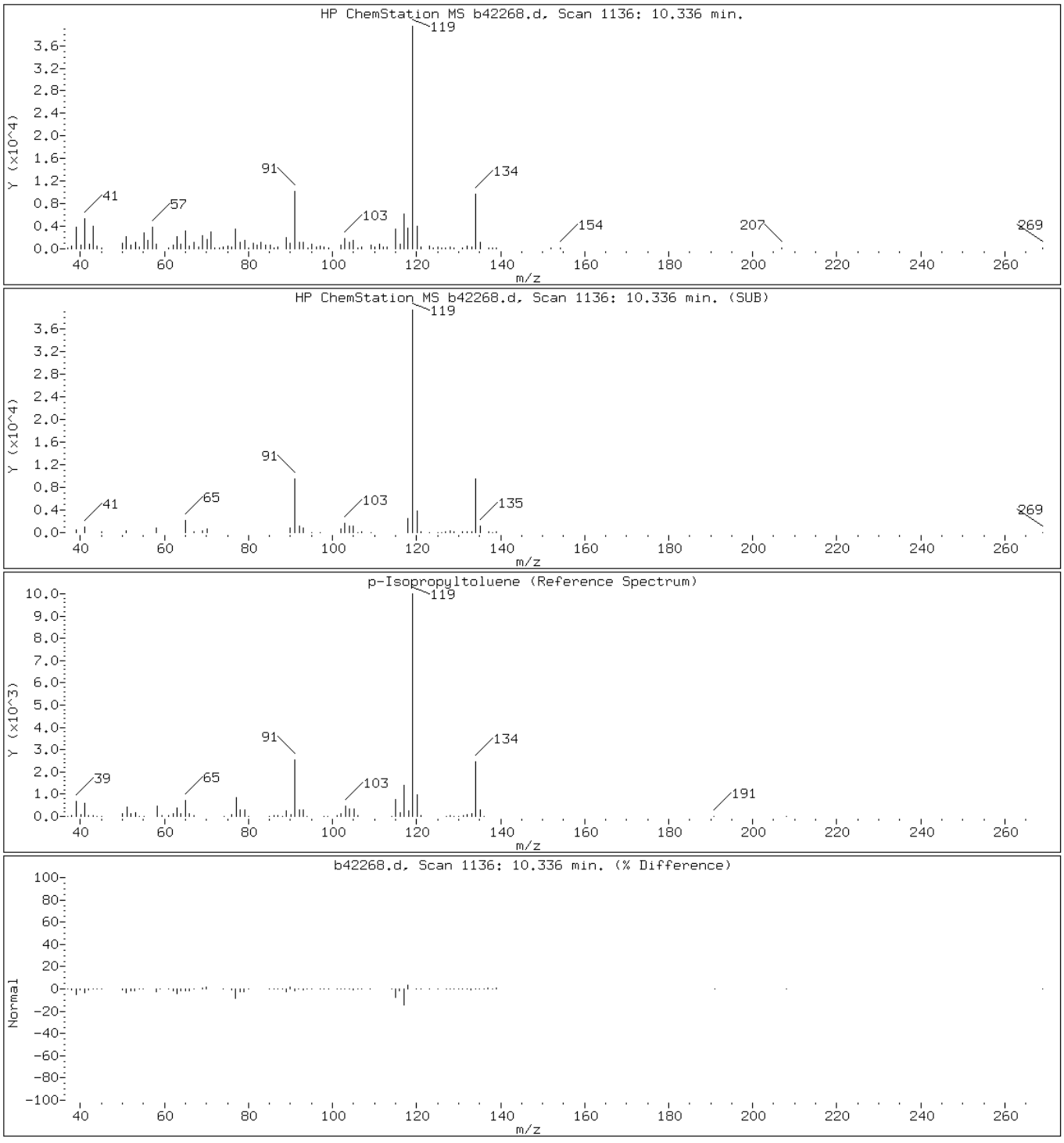
Data File: b42268.d

Date: 18-MAY-2012 11:17

Client ID: DB-6 30-30.5' Instrument: VOAMS2.i

Sample Info: 460-40258-A-12-A;50;;4.77;10 Operator: VOA GC/MS2

107 p-Isopropyltoluene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-40258-1

SDG No.:

Client Sample ID: DB-6 39.5-40' | Lab Sample ID: 460-40258-13

Matrix: Solid | Lab File ID: o60394.d

Analysis Method: 8260B | Date Collected: 05/11/2012 10:55

Sample wt/vol: 5.60(g) | Date Analyzed: 05/18/2012 12:47

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 22.3 | Level: (low/med) Low

Analysis Batch No.: 113081 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-15-0	Carbon disulfide	0.17	U	1.1	0.17
127-18-4	Tetrachloroethene	0.14	U	1.1	0.14
78-87-5	1,2-Dichloropropane	0.17	U	1.1	0.17
108-10-1	4-Methyl-2-pentanone	0.23	U	11	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.13	U	1.1	0.13
124-48-1	Dibromochloromethane	0.11	U	1.1	0.11
120-82-1	1,2,4-Trichlorobenzene	0.22	U	1.1	0.22
100-42-5	Styrene	1.8		1.1	0.32
87-61-6	1,2,3-Trichlorobenzene	0.18	U	1.1	0.18
79-34-5	1,1,2,2-Tetrachloroethane	0.10	U	1.1	0.10
75-00-3	Chloroethane	0.38	U	1.1	0.38
78-93-3	2-Butanone	0.72	U	11	0.72
98-82-8	Isopropylbenzene	0.18	J	1.1	0.13
71-55-6	1,1,1-Trichloroethane	0.15	U	1.1	0.15
71-43-2	Benzene	0.62	J	1.1	0.17
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1.1	0.16
74-97-5	Bromochloromethane	0.13	U	1.1	0.13
75-25-2	Bromoform	0.20	U	1.1	0.20
75-34-3	1,1-Dichloroethane	0.13	U	1.1	0.13
107-06-2	1,2-Dichloroethane	0.21	U	1.1	0.21
79-00-5	1,1,2-Trichloroethane	0.16	U	1.1	0.16
67-64-1	Acetone	49	B	11	1.9
79-20-9	Methyl acetate	0.37	U	1.1	0.37
75-71-8	Dichlorodifluoromethane	0.25	U	1.1	0.25
75-09-2	Methylene Chloride	2.4	B	1.1	0.17
74-87-3	Chloromethane	0.18	U	1.1	0.18
74-83-9	Bromomethane	0.49	U	1.1	0.49
108-88-3	Toluene	1.9	B	1.1	0.16
95-47-6	o-Xylene	8.0		1.1	0.22
108-90-7	Chlorobenzene	0.21	U	1.1	0.21
96-12-8	1,2-Dibromo-3-Chloropropane	0.51	U	1.1	0.51
541-73-1	1,3-Dichlorobenzene	0.18	U	1.1	0.18
1634-04-4	MTBE	0.13	U	1.1	0.13
156-60-5	trans-1,2-Dichloroethene	0.15	U	1.1	0.15
123-91-1	1,4-Dioxane	15	U	57	15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-40258-1

SDG No.:

Client Sample ID: DB-6 39.5-40' | Lab Sample ID: 460-40258-13

Matrix: Solid | Lab File ID: o60394.d

Analysis Method: 8260B | Date Collected: 05/11/2012 10:55

Sample wt/vol: 5.60(g) | Date Analyzed: 05/18/2012 12:47

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 22.3 | Level: (low/med) Low

Analysis Batch No.: 113081 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-35-4	1,1-Dichloroethene	0.22	U	1.1	0.22
95-50-1	1,2-Dichlorobenzene	0.11	U	1.1	0.11
79-01-6	Trichloroethene	0.14	U	1.1	0.14
591-78-6	2-Hexanone	0.15	U	11	0.15
100-41-4	Ethylbenzene	11		1.1	0.20
108-87-2	Methylcyclohexane	0.11	U	1.1	0.11
75-69-4	Trichlorofluoromethane	0.18	U	1.1	0.18
110-82-7	Cyclohexane	0.15	U	1.1	0.15
10061-02-6	trans-1,3-Dichloropropene	0.11	U	1.1	0.11
156-59-2	cis-1,2-Dichloroethene	0.13	U	1.1	0.13
67-66-3	Chloroform	0.28	U	1.1	0.28
179601-23-1	m&p-Xylene	4.9		2.3	0.68
75-01-4	Vinyl chloride	0.39	U	1.1	0.39
106-93-4	1,2-Dibromoethane	0.17	U	1.1	0.17
56-23-5	Carbon tetrachloride	0.17	U	1.1	0.17
106-46-7	1,4-Dichlorobenzene	0.13	U	1.1	0.13
75-27-4	Bromodichloromethane	0.37	U	1.1	0.37
104-51-8	n-Butylbenzene	0.092	U	1.1	0.092
95-63-6	1,2,4-Trimethylbenzene	6.1		1.1	0.17
135-98-8	sec-Butylbenzene	0.15	U	1.1	0.15
103-65-1	N-Propylbenzene	0.42	J	1.1	0.17
108-67-8	1,3,5-Trimethylbenzene	1.6		1.1	0.14
98-06-6	tert-Butylbenzene	0.14	U	1.1	0.14
99-87-6	p-Isopropyltoluene	0.18	J	1.1	0.16

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	Bromofluorobenzene	105		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	119		70-130
2037-26-5	Toluene-d8 (Surr)	114		70-130

Data File: /chem/VOAMS12.i/8260L_10/05-03-12/18may12.b/o60394.d
Report Date: 22-May-2012 09:00

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS12.i/8260L_10/05-03-12/18may12.b/o60394.d
Lab Smp Id: 460-40258-A-13-C Client Smp ID: DB-6 39.5-40'
Inj Date : 18-MAY-2012 12:47
Operator : VOAMS 9 Inst ID: VOAMS12.i
Smp Info : 460-40258-A-13-C;;;5.60;5
Misc Info : 460-40258-A-13-C
Comment   :
Method   : /chem/VOAMS12.i/8260L_10/05-03-12/18may12.b/8260L_10.m
Meth Date : 18-May-2012 04:32 audberto Quant Type: ISTD
Cal Date : 03-MAY-2012 18:57 Cal File: o59879.d
Als bottle: 20
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	5.60000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
	7 Acetone	43	1.654	1.654	(0.446)	41235	42.9250	38
	6 Methylene Chloride	84	1.898	1.897	(0.511)	9946	2.05810	1.8
$	16 1,2-Dichloroethane-d4 (SUR)	65	3.409	3.409	(0.919)	144236	59.4334	53
	28 Benzene	78	3.445	3.445	(0.929)	9546	0.53884	0.48(a)
*	69 Fluorobenzene	96	3.710	3.703	(1.000)	592147	50.0000	
$	37 Toluene-d8 (SUR)	98	5.393	5.386	(0.741)	515210	57.1534	51
	38 Toluene	91	5.465	5.465	(0.751)	30794	1.67584	1.5
*	32 Chlorobenzene-d5	117	7.277	7.270	(1.000)	442324	50.0000	
	40 Ethylbenzene	106	7.513	7.513	(1.032)	65669	9.78254	8.7
	43 m+p-Xylene	106	7.700	7.692	(1.058)	35453	4.27739	3.8
	44 o-Xylene	106	8.273	8.273	(1.137)	55086	6.98499	6.2
	42 Styrene	104	8.309	8.308	(1.142)	20817	1.57508	1.4
	110 Isopropylbenzene	105	8.874	8.867	(1.220)	3424	0.15430	0.14(a)
$	41 Bromofluorobenzene (SUR)	174	9.075	9.075	(0.830)	179426	52.3010	47

Data File: /chem/VOAMS12.i/8260L_10/05-03-12/18may12.b/o60394.d
Report Date: 22-May-2012 09:00

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
	112 n-Propylbenzene	91	9.526	9.526	(0.871)	9607	0.36444	0.32(a)
	102 1,3,5-Trimethylbenzene	105	9.841	9.841	(0.900)	24328	1.37236	1.2
	100 1,2,4-Trimethylbenzene	105	10.436	10.436	(0.954)	97966	5.31809	4.7
*	91 1,4-Dichlorobenzene-d4	152	10.937	10.937	(1.000)	252188	50.0000	
	113 p-Isopropyltoluene	119	10.995	11.002	(1.005)	3262	0.15383	0.14(aH)
	70 Naphthalene	128	13.480	13.480	(1.232)	5604923	365.223	330
M	45 Xylene (Total)	100				90539	11.1030	9.9

QC Flag Legend

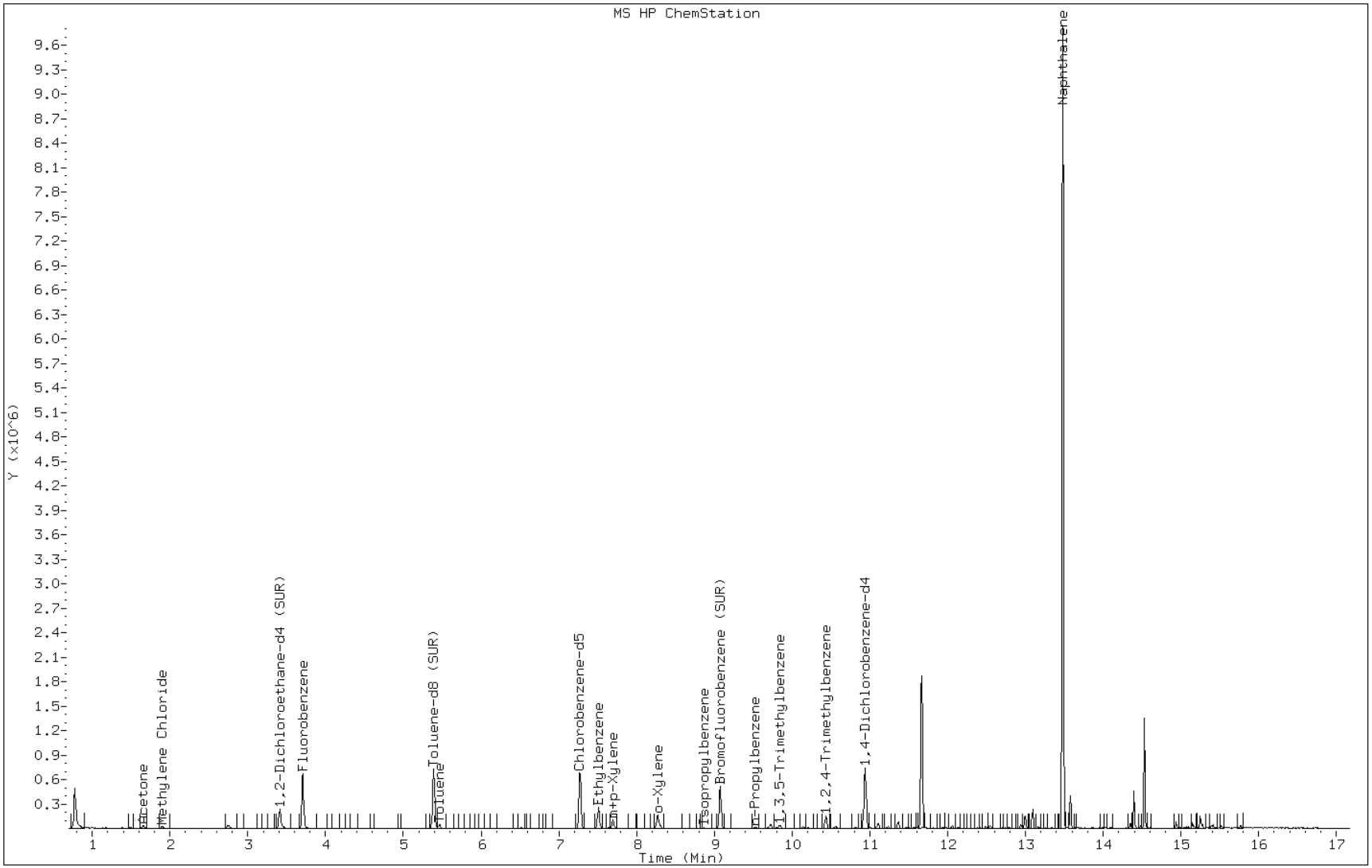
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
H - Operator selected an alternate compound hit.

Data File: o60394.d

Date: 18-MAY-2012 12:47

Client ID: DB-6 39.5-40' Instrument: VOAMS12.i

Sample Info: 460-40258-A-13-C;;;5.60;5 Operator: VOAMS 9



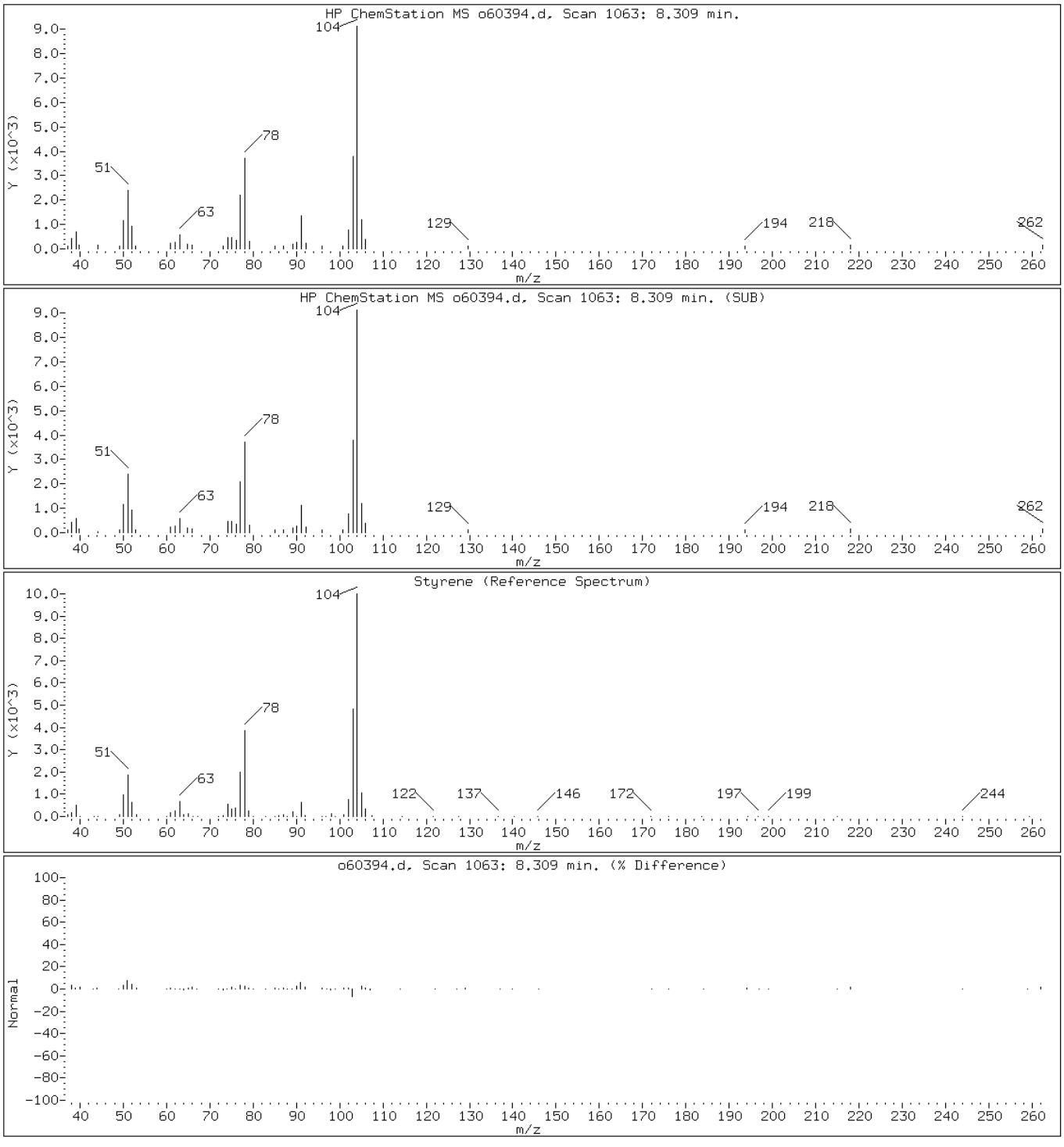
Data File: o60394.d

Date: 18-MAY-2012 12:47

Client ID: DB-6 39.5-40' Instrument: VOAMS12.i

Sample Info: 460-40258-A-13-C;;;5.60;5 Operator: VOAMS 9

42 Styrene



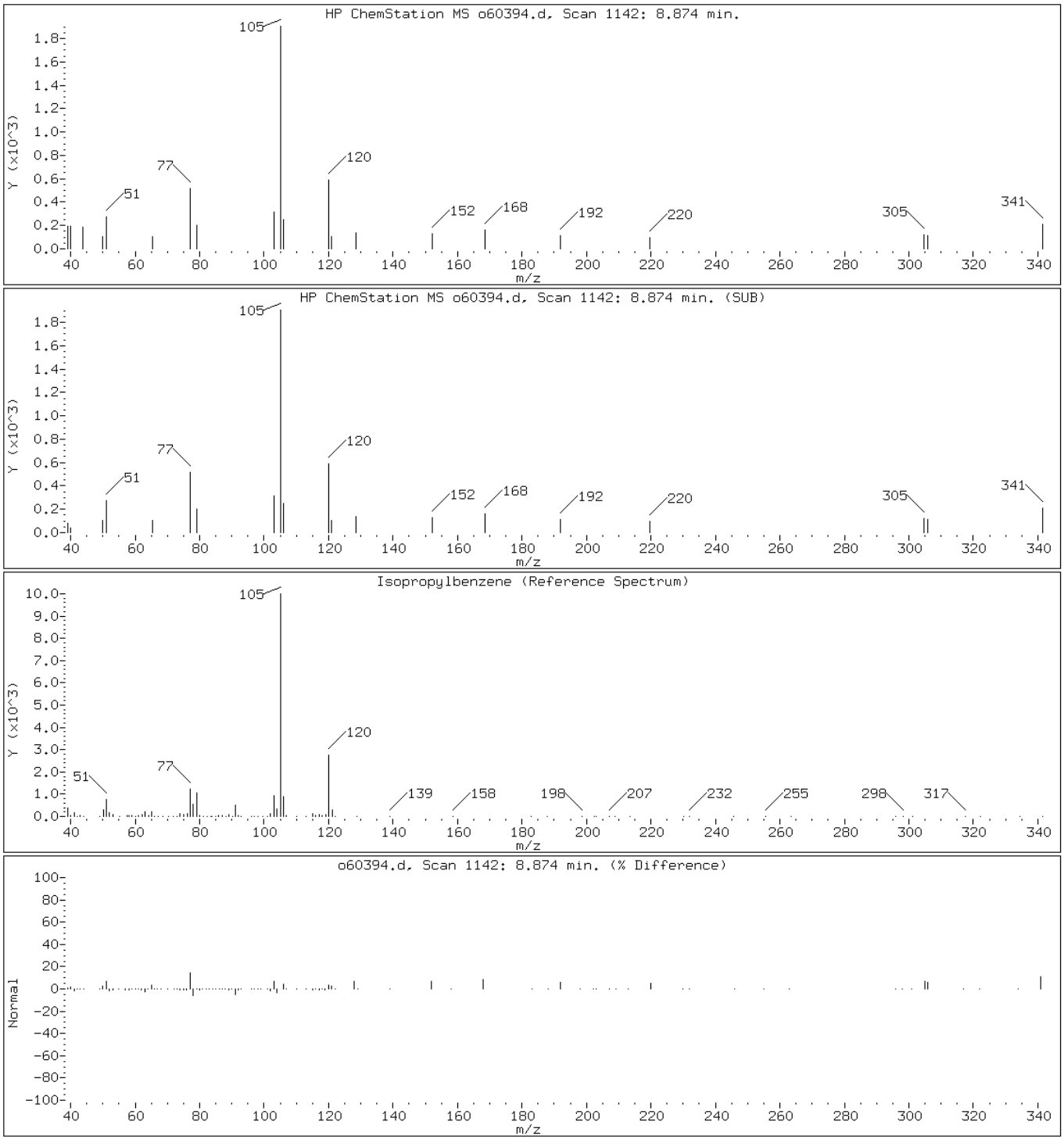
Data File: o60394.d

Date: 18-MAY-2012 12:47

Client ID: DB-6 39.5-40' Instrument: VOAMS12.i

Sample Info: 460-40258-A-13-C;;;5.60;5 Operator: VOAMS 9

110 Isopropylbenzene



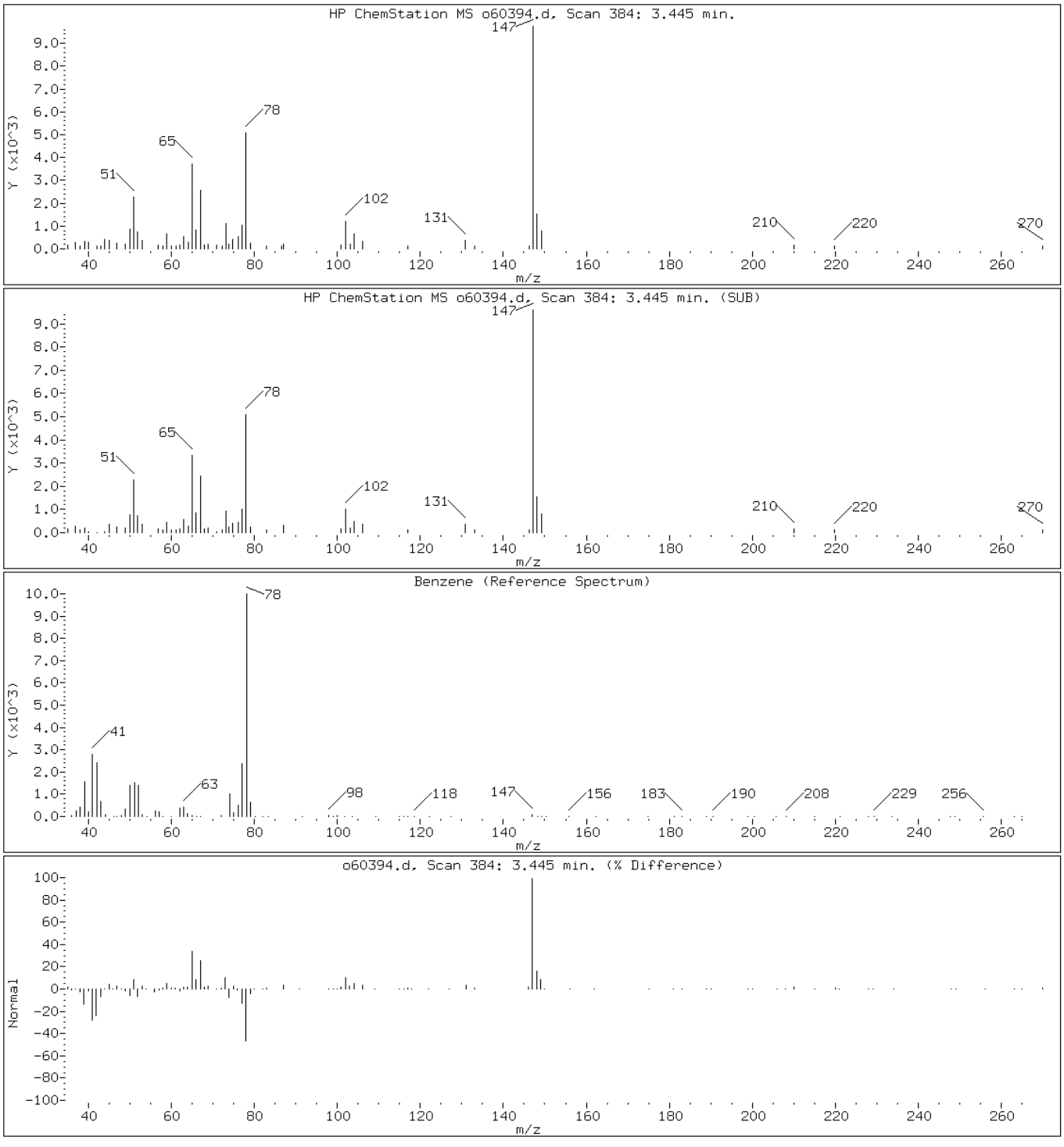
Data File: o60394.d

Date: 18-MAY-2012 12:47

Client ID: DB-6 39.5-40' Instrument: VOAMS12.i

Sample Info: 460-40258-A-13-C;;;5.60;5 Operator: VOAMS 9

28 Benzene



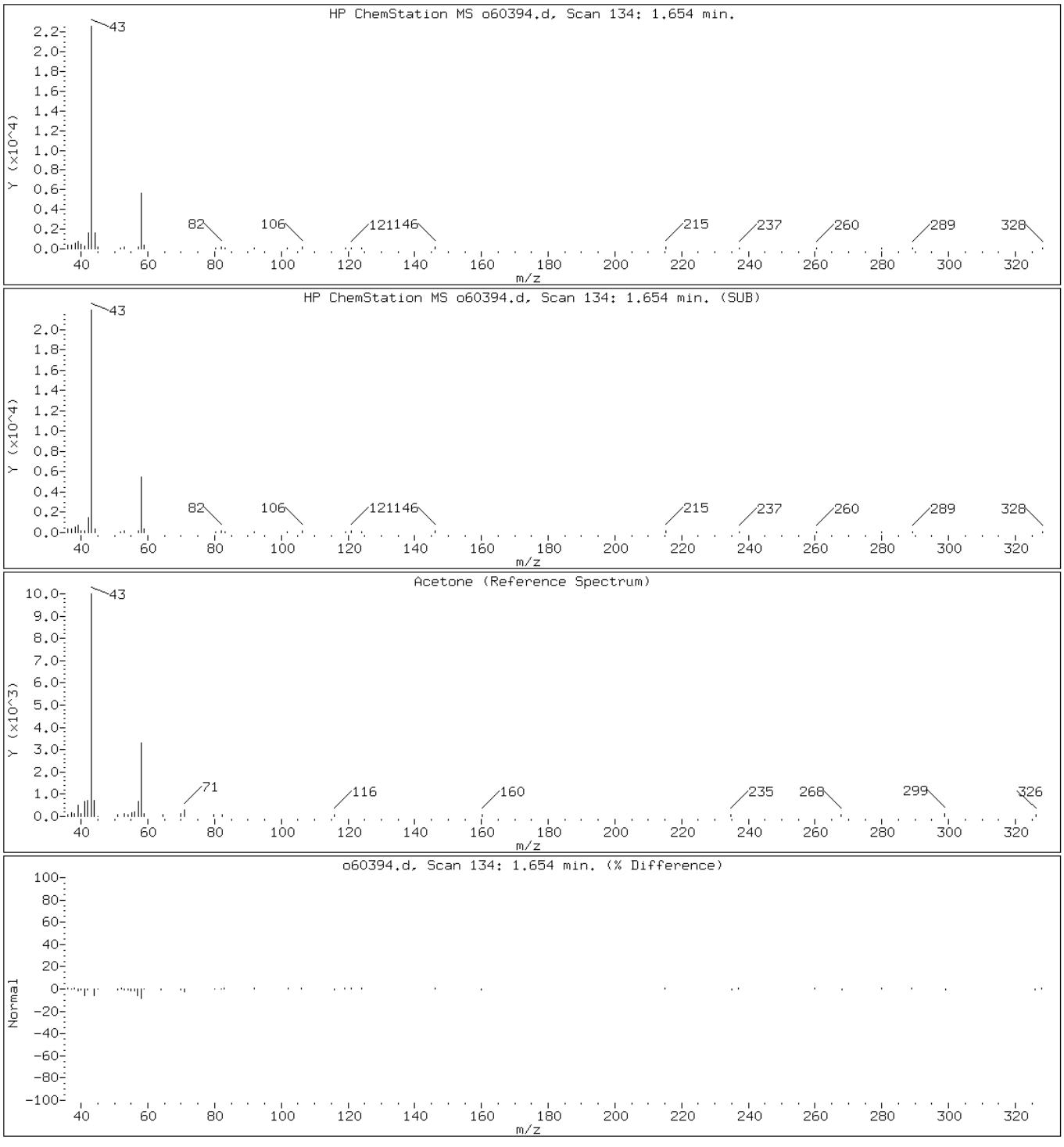
Data File: o60394.d

Date: 18-MAY-2012 12:47

Client ID: DB-6 39.5-40' Instrument: VOAMS12.i

Sample Info: 460-40258-A-13-C;;;5.60;5 Operator: VOAMS 9

7 Acetone



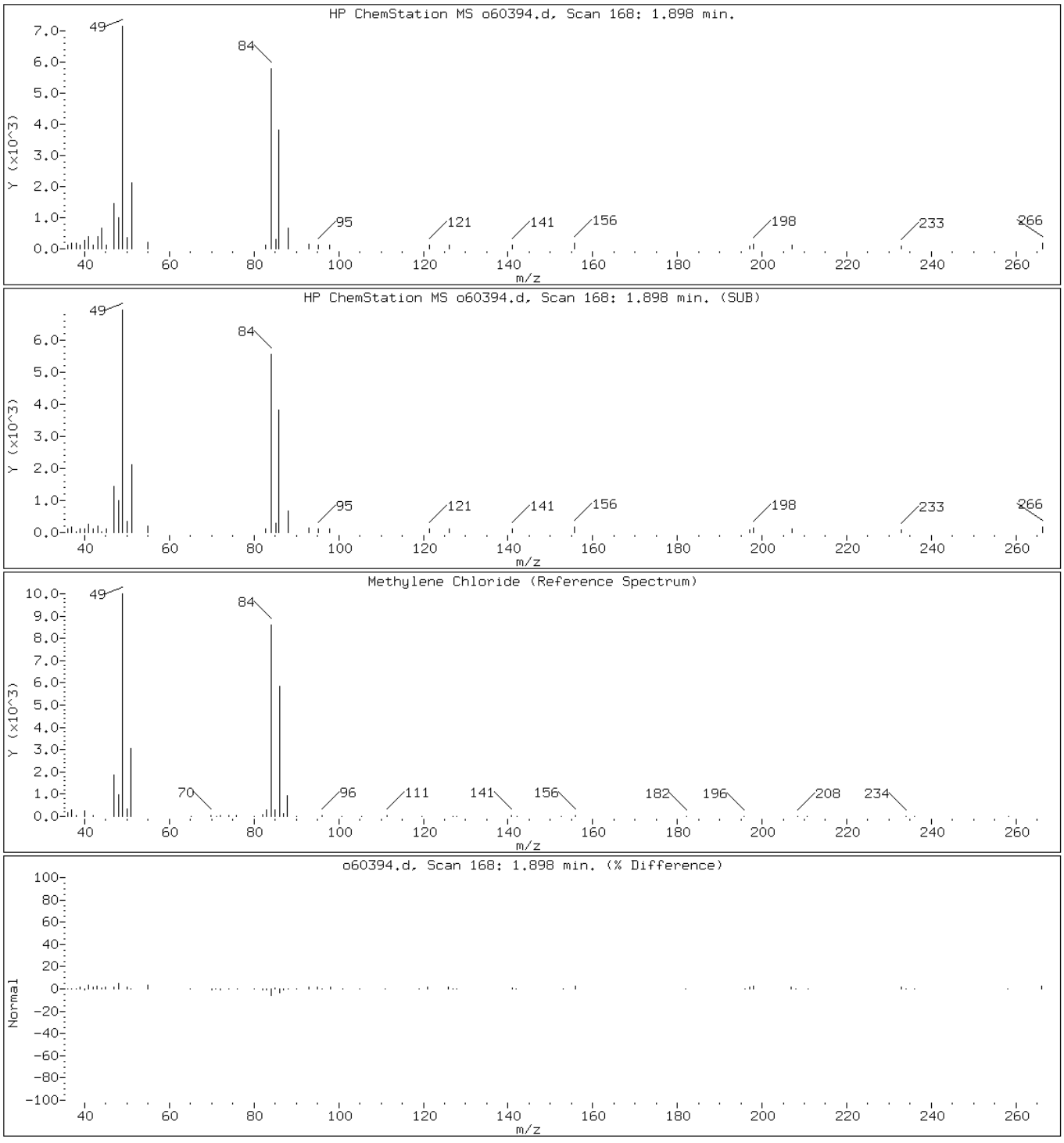
Data File: o60394.d

Date: 18-MAY-2012 12:47

Client ID: DB-6 39.5-40' Instrument: VOAMS12.i

Sample Info: 460-40258-A-13-C;;;5.60;5 Operator: VOAMS 9

6 Methylene Chloride



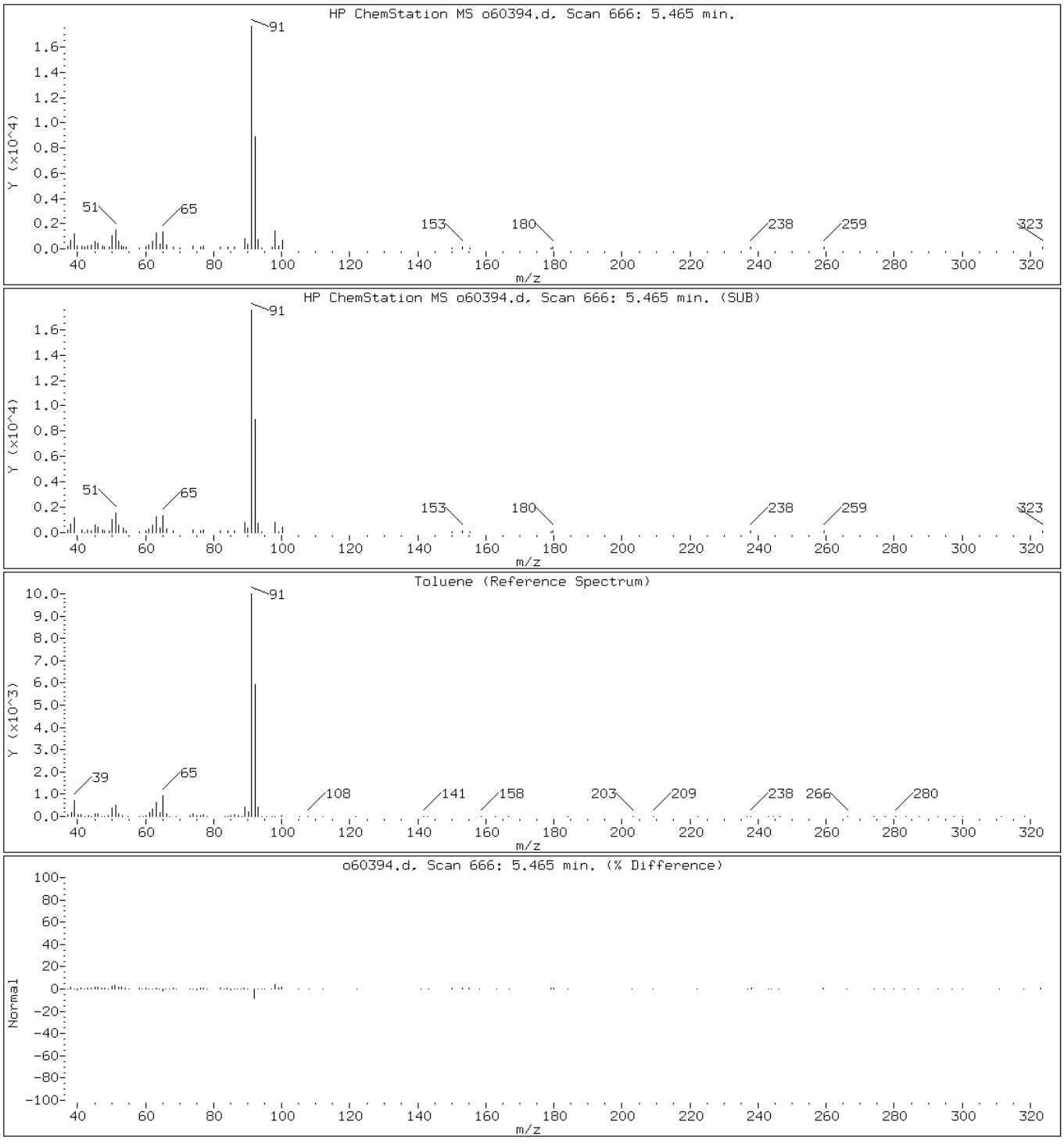
Data File: o60394.d

Date: 18-MAY-2012 12:47

Client ID: DB-6 39.5-40' Instrument: VOAMS12.i

Sample Info: 460-40258-A-13-C;;;5.60;5 Operator: VOAMS 9

38 Toluene



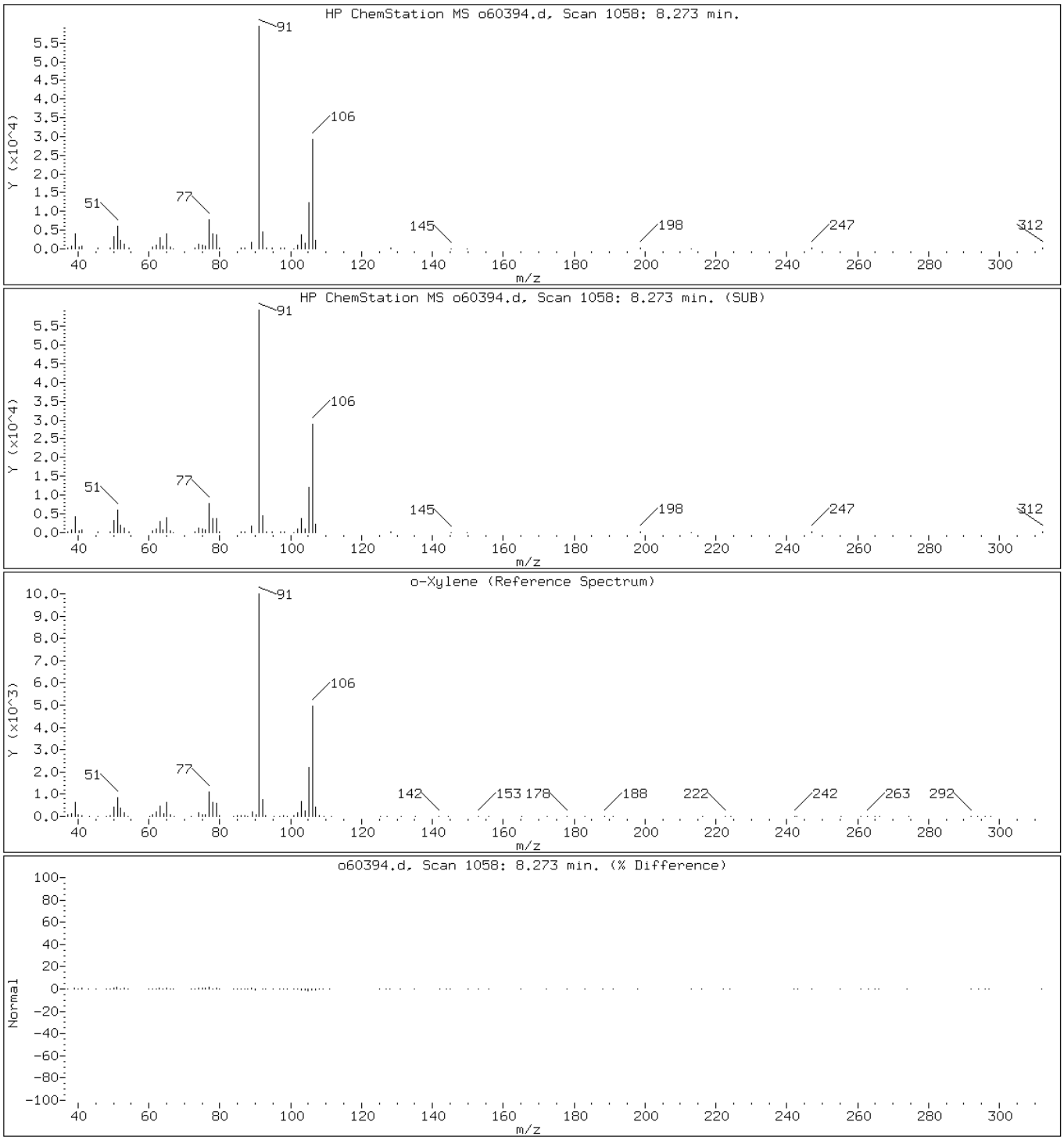
Data File: o60394.d

Date: 18-MAY-2012 12:47

Client ID: DB-6 39.5-40' Instrument: VOAMS12.i

Sample Info: 460-40258-A-13-C;;;5.60;5 Operator: VOAMS 9

44 o-Xylene



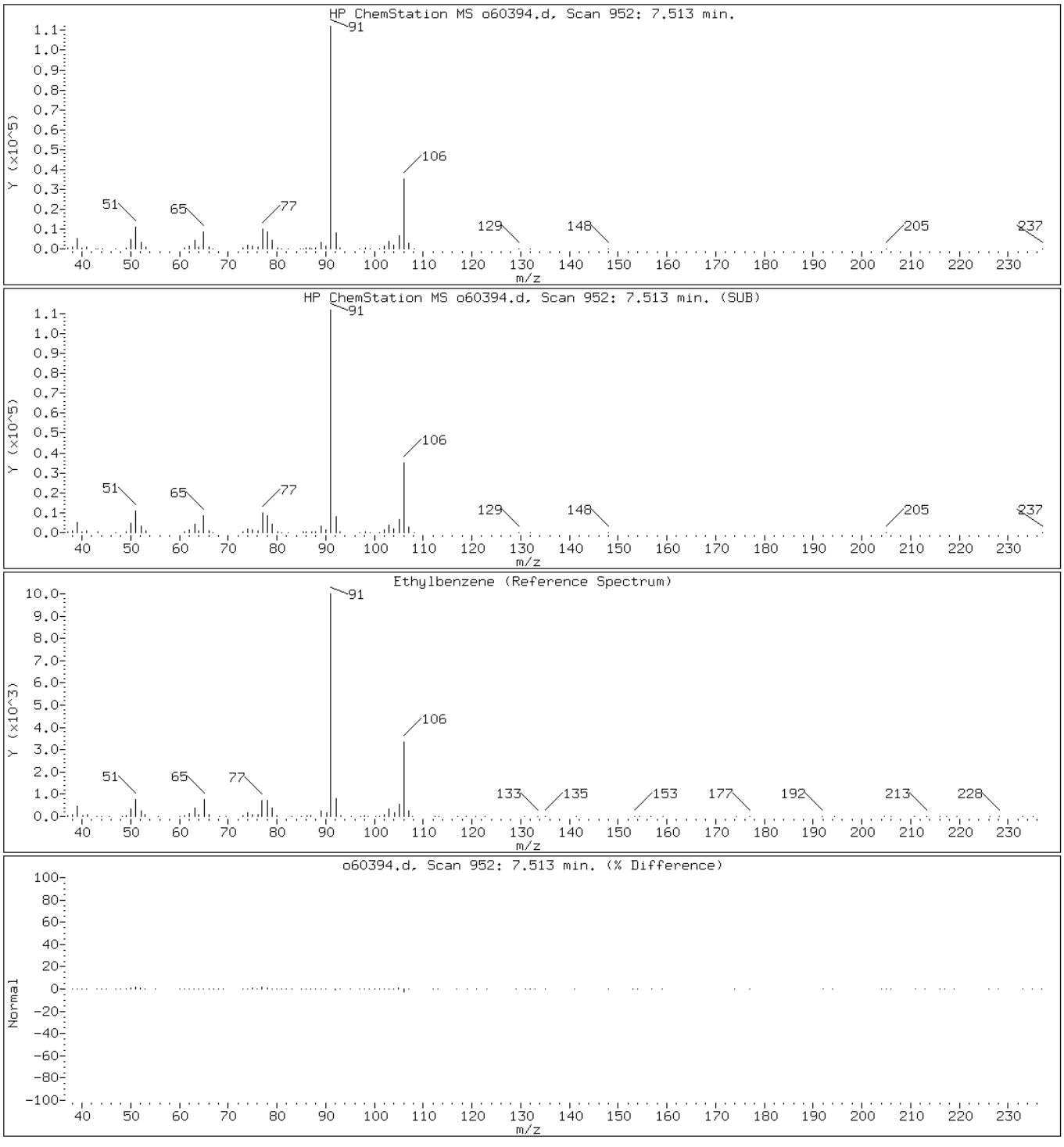
Data File: o60394.d

Date: 18-MAY-2012 12:47

Client ID: DB-6 39.5-40' Instrument: VOAMS12.i

Sample Info: 460-40258-A-13-C;;;5.60;5 Operator: VOAMS 9

40 Ethylbenzene



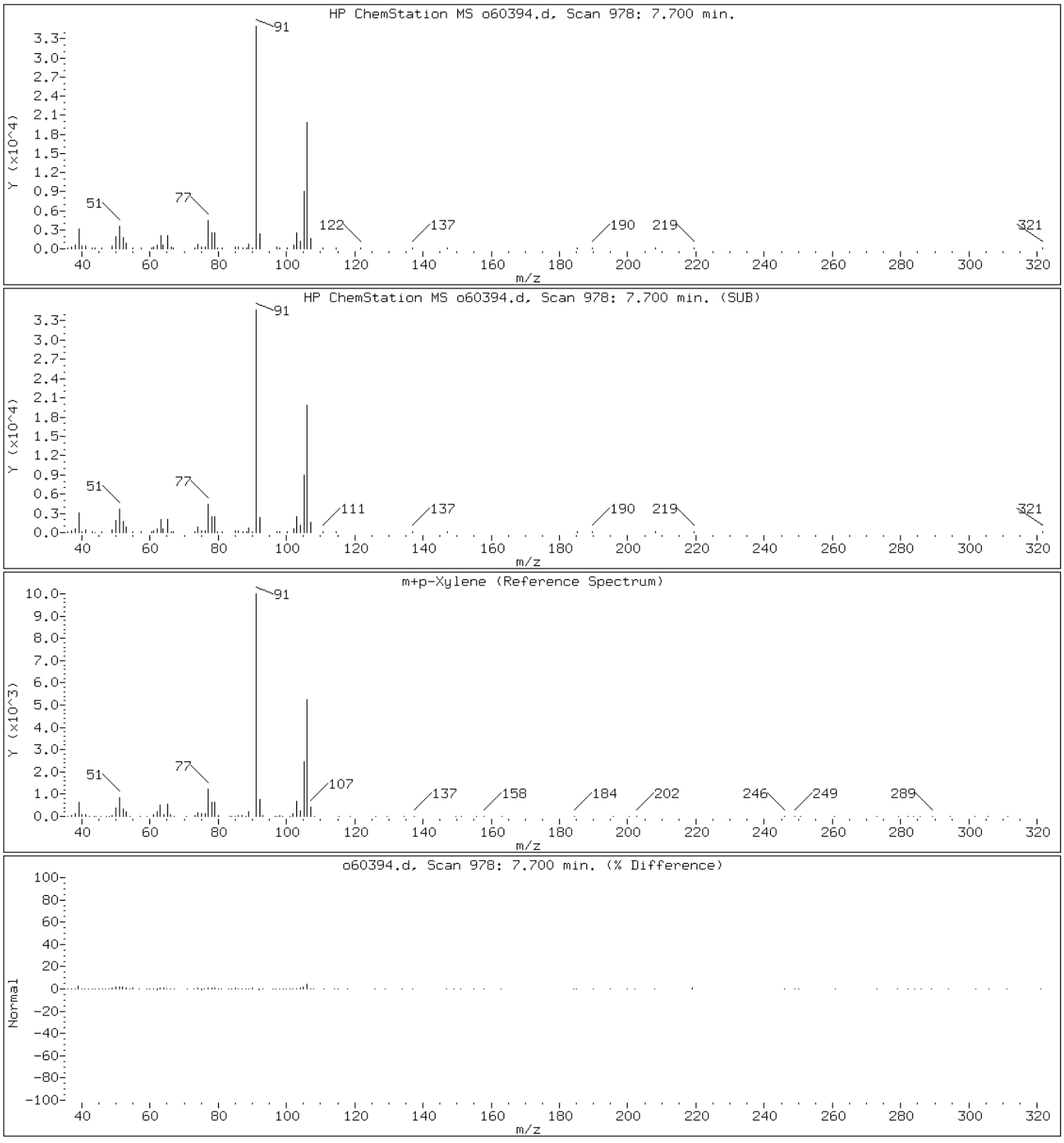
Data File: o60394.d

Date: 18-MAY-2012 12:47

Client ID: DB-6 39.5-40' Instrument: VOAMS12.i

Sample Info: 460-40258-A-13-C;;;5.60;5 Operator: VOAMS 9

43 m+p-Xylene



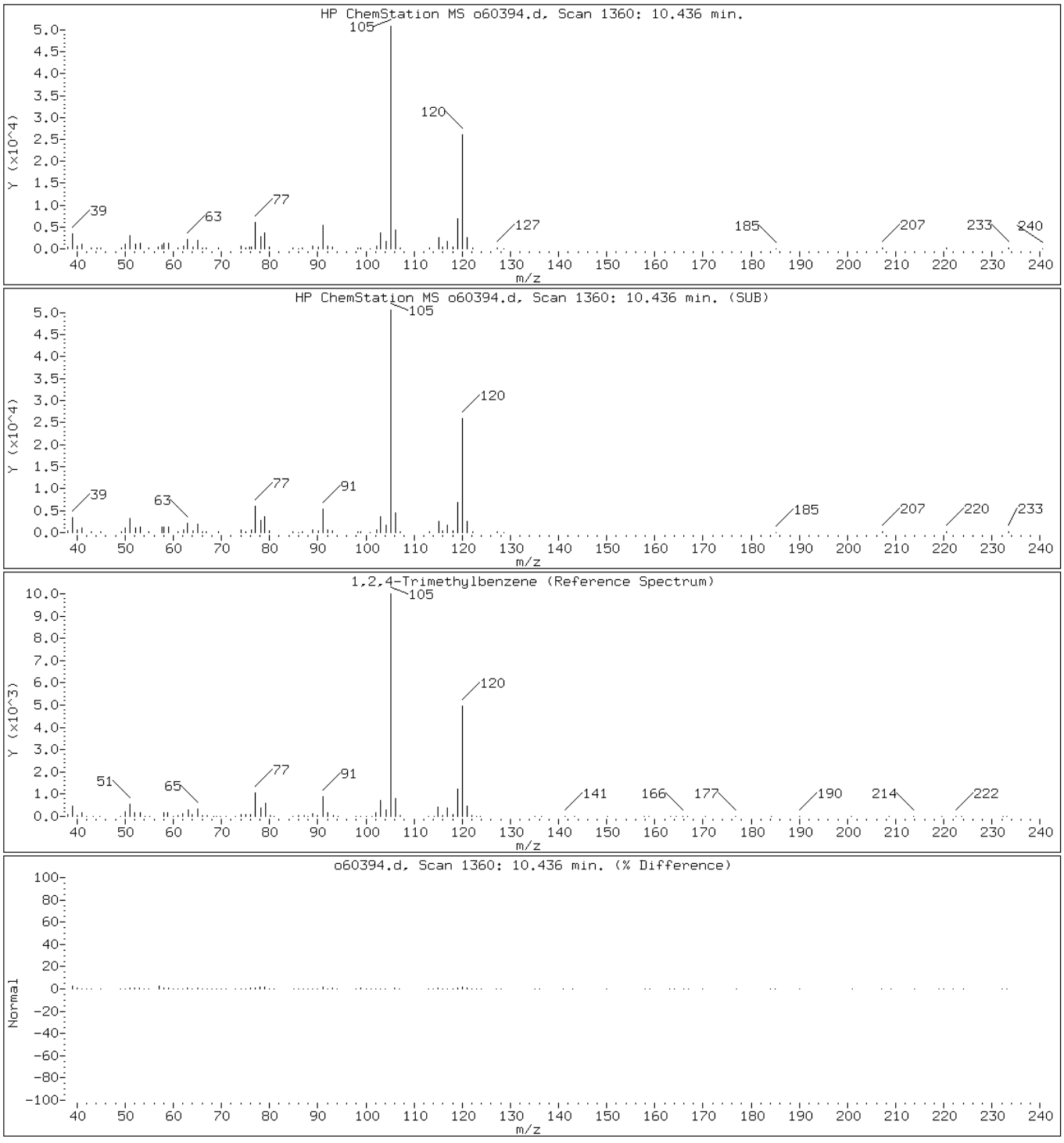
Data File: o60394.d

Date: 18-MAY-2012 12:47

Client ID: DB-6 39.5-40' Instrument: VOAMS12.i

Sample Info: 460-40258-A-13-C;;;5.60;5 Operator: VOAMS 9

100 1,2,4-Trimethylbenzene



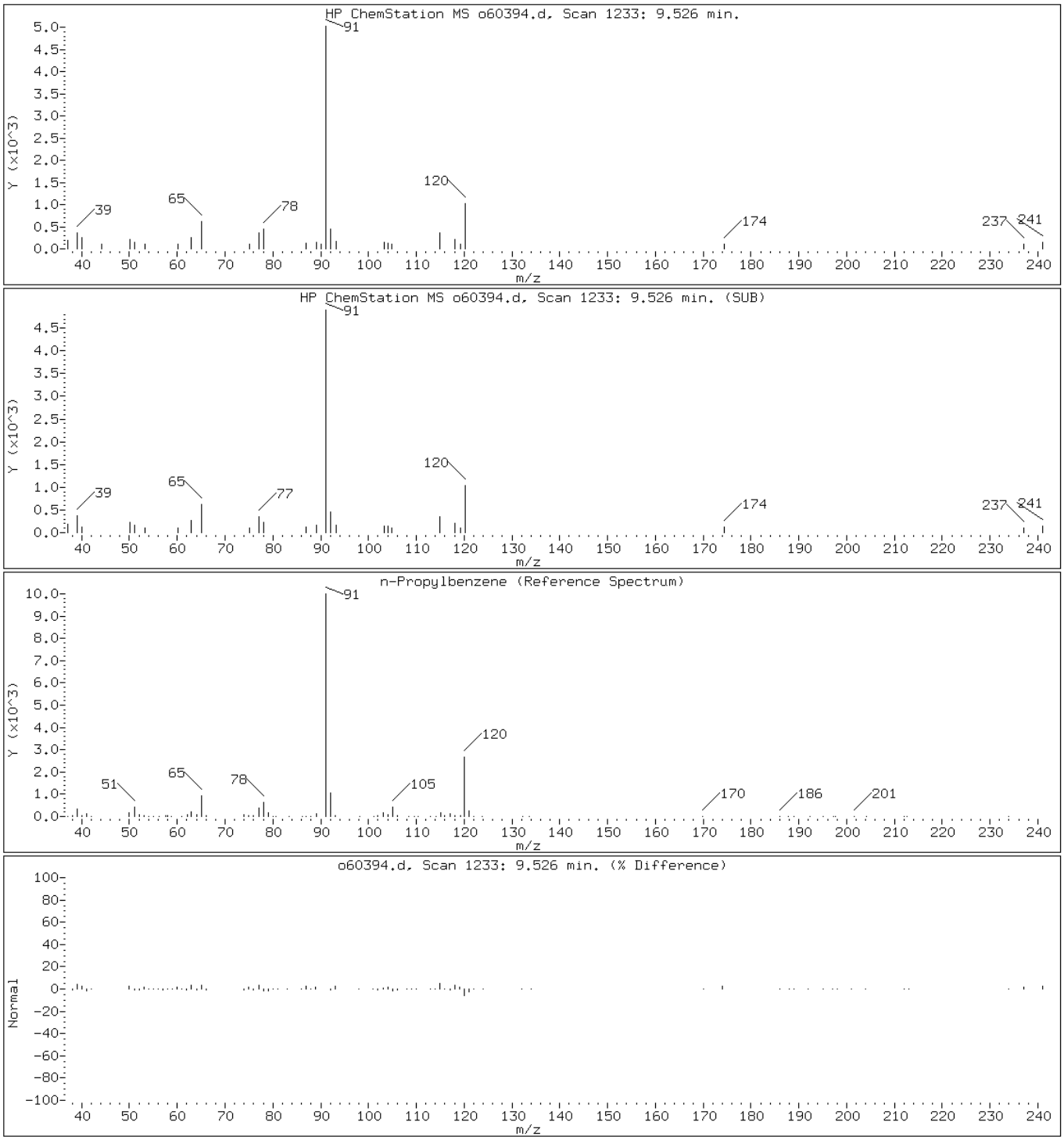
Data File: o60394.d

Date: 18-MAY-2012 12:47

Client ID: DB-6 39.5-40' Instrument: VOAMS12.i

Sample Info: 460-40258-A-13-C;;;5.60;5 Operator: VOAMS 9

112 n-Propylbenzene



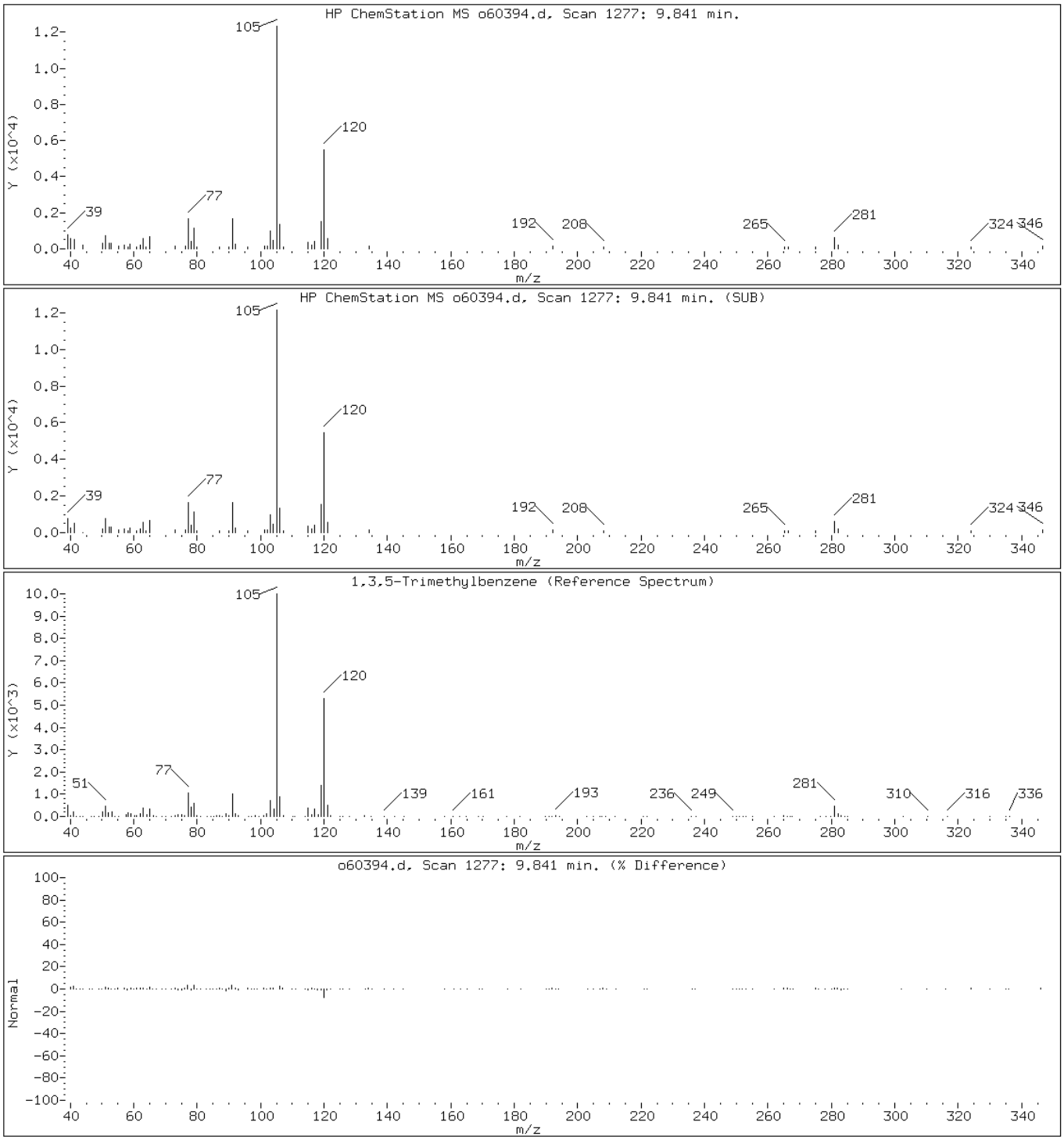
Data File: o60394.d

Date: 18-MAY-2012 12:47

Client ID: DB-6 39.5-40' Instrument: VOAMS12.i

Sample Info: 460-40258-A-13-C;;;5.60;5 Operator: VOAMS 9

102 1,3,5-Trimethylbenzene



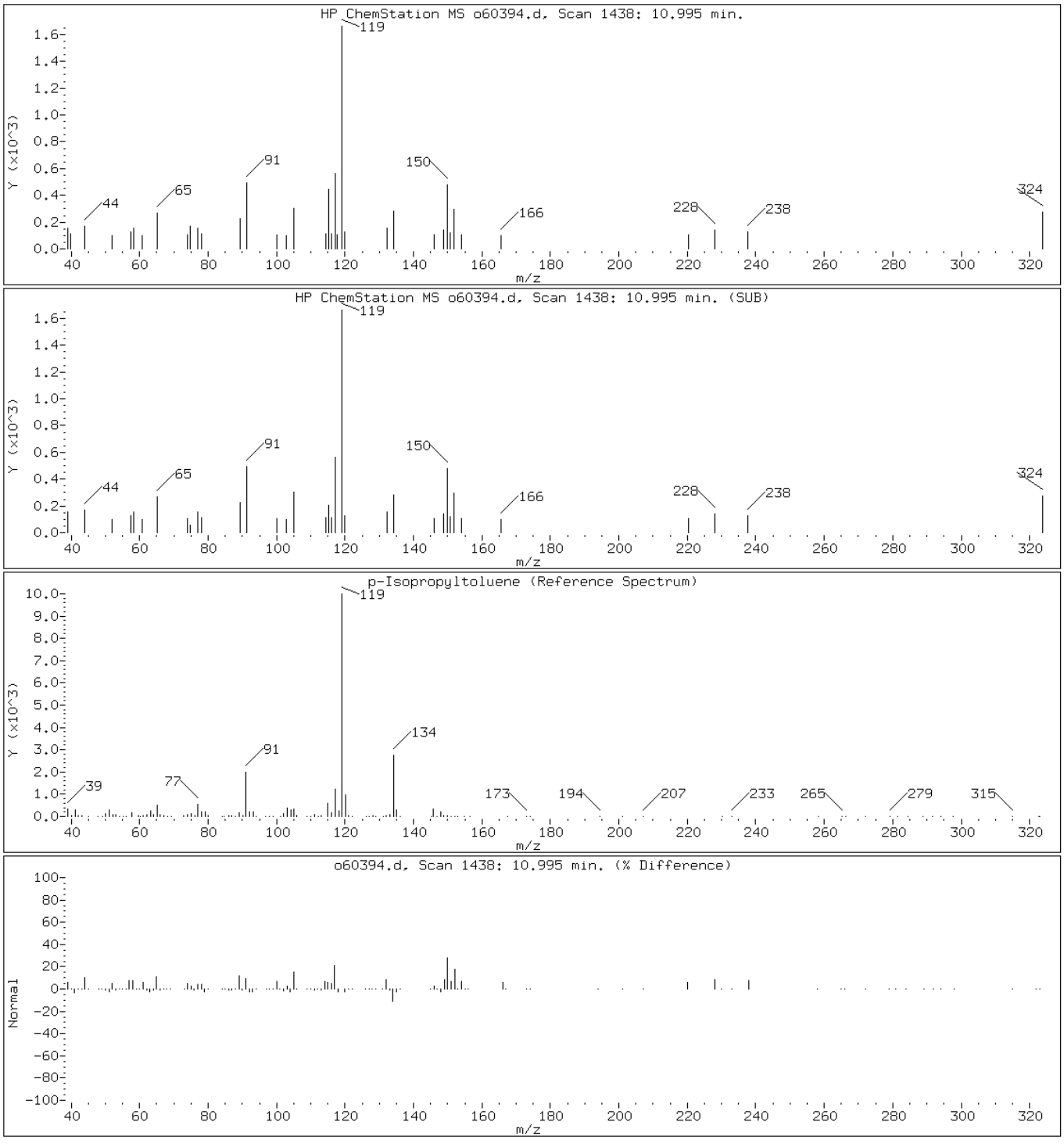
Data File: o60394.d

Date: 18-MAY-2012 12:47

Client ID: DB-6 39.5-40' Instrument: VOAMS12.i

Sample Info: 460-40258-A-13-C;;;5.60;5 Operator: VOAMS 9

113 p-Isopropyltoluene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Client Sample ID: Trip Blank Lab Sample ID: 460-40258-14

Matrix: Water Lab File ID: d20741.d

Analysis Method: 8260B Date Collected: 05/11/2012 00:00

Sample wt/vol: 5(mL) Date Analyzed: 05/17/2012 16:23

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 112972 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-15-0	Carbon disulfide	0.13	U	1.0	0.13
127-18-4	Tetrachloroethene	0.10	U	1.0	0.10
78-87-5	1,2-Dichloropropane	0.090	U	1.0	0.090
108-10-1	4-Methyl-2-pentanone	0.99	U	5.0	0.99
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.080	U	1.0	0.080
124-48-1	Dibromochloromethane	0.20	U	1.0	0.20
120-82-1	1,2,4-Trichlorobenzene	0.34	U	1.0	0.34
100-42-5	Styrene	0.12	U	1.0	0.12
87-61-6	1,2,3-Trichlorobenzene	0.51	U	1.0	0.51
79-34-5	1,1,2,2-Tetrachloroethane	0.16	U	1.0	0.16
75-00-3	Chloroethane	0.17	U	1.0	0.17
78-93-3	2-Butanone	2.3	U	5.0	2.3
98-82-8	Isopropylbenzene	0.080	U	1.0	0.080
71-55-6	1,1,1-Trichloroethane	0.060	U	1.0	0.060
71-43-2	Benzene	0.080	U	1.0	0.080
10061-01-5	cis-1,3-Dichloropropene	0.18	U	1.0	0.18
74-97-5	Bromochloromethane	0.27	U	1.0	0.27
75-25-2	Bromoform	0.19	U	1.0	0.19
75-34-3	1,1-Dichloroethane	0.13	U	1.0	0.13
107-06-2	1,2-Dichloroethane	0.19	U	1.0	0.19
79-00-5	1,1,2-Trichloroethane	0.19	U	1.0	0.19
67-64-1	Acetone	2.7	U	5.0	2.7
79-20-9	Methyl acetate	0.34	U	2.0	0.34
75-71-8	Dichlorodifluoromethane	0.22	U	1.0	0.22
75-09-2	Methylene Chloride	5.1		1.0	0.18
104-51-8	n-Butylbenzene	0.14	U	1.0	0.14
74-87-3	Chloromethane	0.10	U	1.0	0.10
95-63-6	1,2,4-Trimethylbenzene	0.13	U	1.0	0.13
74-83-9	Bromomethane	0.18	U	1.0	0.18
108-88-3	Toluene	0.15	U	1.0	0.15
95-47-6	o-Xylene	0.13	U	1.0	0.13
108-90-7	Chlorobenzene	0.11	U	1.0	0.11
96-12-8	1,2-Dibromo-3-Chloropropane	0.40	U	1.0	0.40
541-73-1	1,3-Dichlorobenzene	0.14	U	1.0	0.14
1634-04-4	MTBE	0.14	U	1.0	0.14

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Client Sample ID: Trip Blank Lab Sample ID: 460-40258-14

Matrix: Water Lab File ID: d20741.d

Analysis Method: 8260B Date Collected: 05/11/2012 00:00

Sample wt/vol: 5(mL) Date Analyzed: 05/17/2012 16:23

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 112972 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-60-5	trans-1,2-Dichloroethene	0.13	U	1.0	0.13
123-91-1	1,4-Dioxane	36	U	50	36
75-35-4	1,1-Dichloroethene	0.090	U	1.0	0.090
95-50-1	1,2-Dichlorobenzene	0.21	U	1.0	0.21
79-01-6	Trichloroethene	0.090	U	1.0	0.090
135-98-8	sec-Butylbenzene	0.18	U	1.0	0.18
591-78-6	2-Hexanone	0.50	U	5.0	0.50
100-41-4	Ethylbenzene	0.10	U	1.0	0.10
103-65-1	N-Propylbenzene	0.10	U	1.0	0.10
108-87-2	Methylcyclohexane	0.14	U	1.0	0.14
75-69-4	Trichlorofluoromethane	0.15	U	1.0	0.15
110-82-7	Cyclohexane	0.16	U	1.0	0.16
108-67-8	1,3,5-Trimethylbenzene	0.15	U	1.0	0.15
10061-02-6	trans-1,3-Dichloropropene	0.24	U	1.0	0.24
156-59-2	cis-1,2-Dichloroethene	0.18	U	1.0	0.18
67-66-3	Chloroform	0.080	U	1.0	0.080
179601-23-1	m&p-Xylene	0.25	U	2.0	0.25
75-01-4	Vinyl chloride	0.14	U	1.0	0.14
106-93-4	1,2-Dibromoethane	0.28	U	1.0	0.28
98-06-6	tert-Butylbenzene	0.12	U	1.0	0.12
56-23-5	Carbon tetrachloride	0.060	U	1.0	0.060
106-46-7	1,4-Dichlorobenzene	0.23	U	1.0	0.23
75-27-4	Bromodichloromethane	0.12	U	1.0	0.12
99-87-6	4-Isopropyltoluene	0.14	U	1.0	0.14

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		70-130
2037-26-5	Toluene-d8 (Surr)	105		70-130
460-00-4	Bromofluorobenzene	104		70-130

Data File: /chem/VOAMS4.i/8260_09/05-03-12/17may12.b/d20741.d
Report Date: 18-May-2012 12:56

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS4.i/8260_09/05-03-12/17may12.b/d20741.d
Lab Smp Id: 460-40258-A-14 Client Smp ID: Trip Blank
Inj Date : 17-MAY-2012 16:23
Operator : VOA GC/MS4 Inst ID: VOAMS4.i
Smp Info : 460-40258-A-14
Misc Info : 460-40258-A-14
Comment :
Method : /chem/VOAMS4.i/8260_09/05-03-12/17may12.b/8260_09.m
Meth Date : 17-May-2012 08:12 maryb Quant Type: ISTD
Cal Date : 03-MAY-2012 05:45 Cal File: d20305.d
Als bottle: 20
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
22 Methylene Chloride	84	2.494	2.494	(0.539)	22896	5.10512	5.1
$ 47 1,2-Dichloroethane-d4 (SUR)	65	4.352	4.352	(0.941)	206823	50.7377	51
* 52 Fluorobenzene	96	4.623	4.617	(1.000)	570393	50.0000	
$ 65 Toluene-d8 (SUR)	98	6.340	6.340	(0.791)	531829	52.3238	52
* 78 Chlorobenzene-d5	117	8.011	8.011	(1.000)	382750	50.0000	
$ 89 Bromofluorobenzene (SUR)	174	9.093	9.087	(0.912)	185249	52.2127	52
* 108 1,4-Dichlorobenzene-d4	152	9.969	9.970	(1.000)	214872	50.0000	

Data File: d20741.d

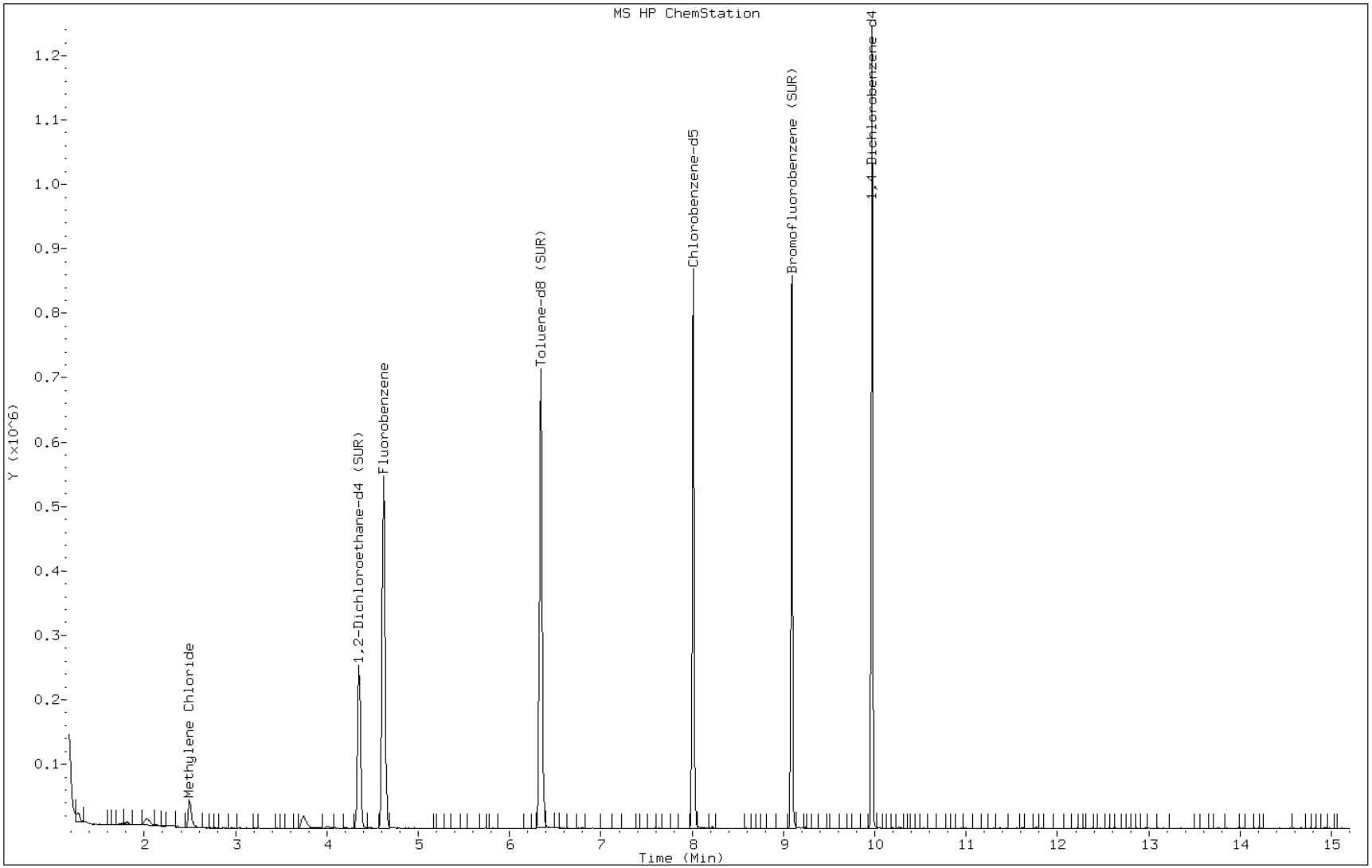
Date: 17-MAY-2012 16:23

Client ID: Trip Blank

Instrument: VOAMS4.i

Sample Info: 460-40258-A-14

Operator: VOA GC/MS4



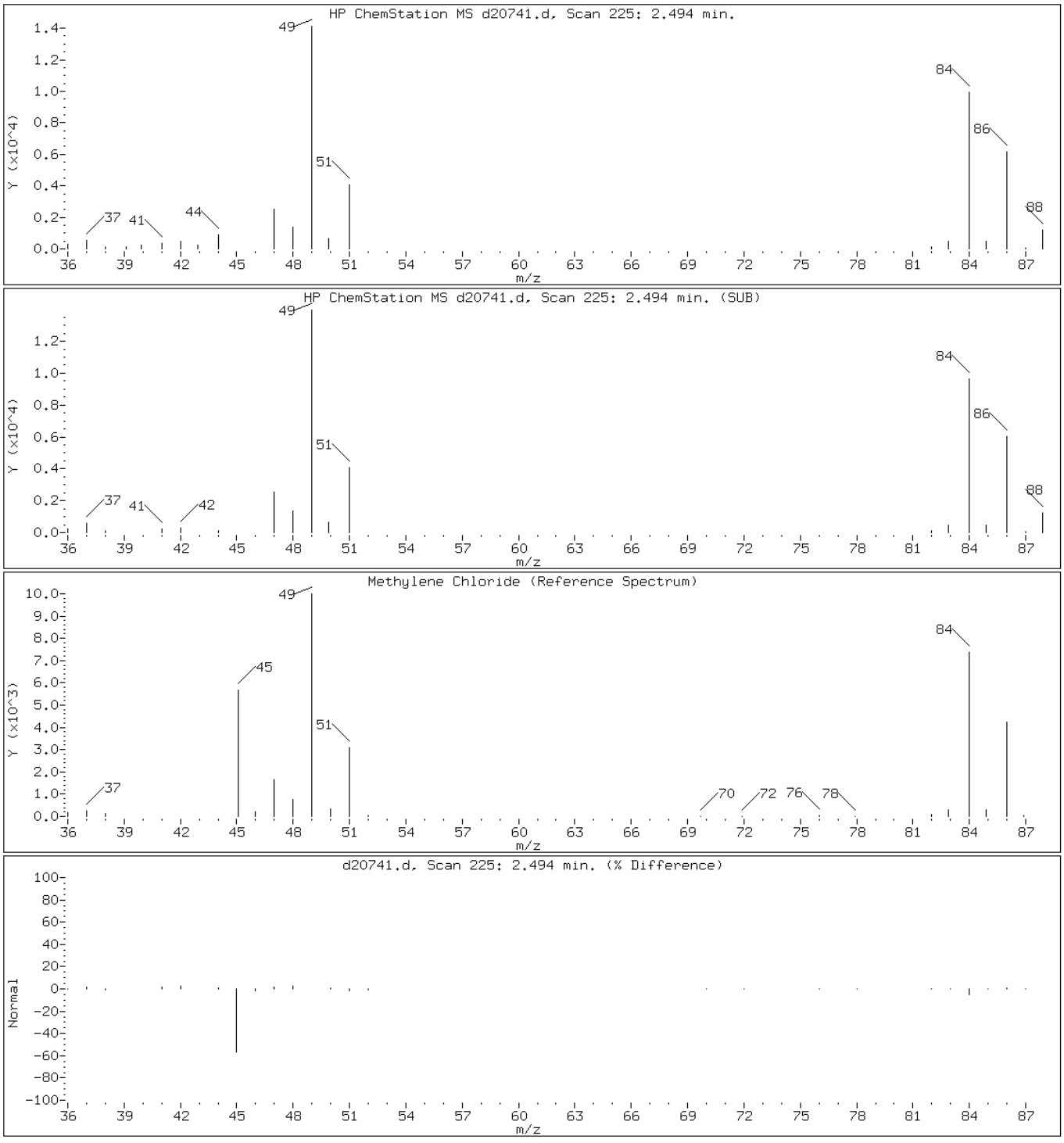
Data File: d20741.d

Date: 17-MAY-2012 16:23

Client ID: Trip Blank Instrument: VOAMS4.i

Sample Info: 460-40258-A-14 Operator: VOA GC/MS4

22 Methylene Chloride



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

Lab Name: TestAmerica Edison Job No.: 460-40258-1 Analy Batch No.: 111515

SDG No.:

Instrument ID: VOAMS12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 05/03/2012 18:57 Calibration End Date: 05/03/2012 21:02 Calibration ID: 15443

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-111515/2	o59879.d
Level 2	IC 460-111515/3	o59880.d
Level 3	ICIS 460-111515/4	o59881.d
Level 4	IC 460-111515/5	o59882.d
Level 5	IC 460-111515/6	o59883.d
Level 6	IC 460-111515/7	o59884.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	0.4501 0.4455	0.3545	0.3606	0.4148	0.4075	Ave		0.4055				10.0		15.0			
Chloromethane	0.5566 0.4390	0.4848	0.4040	0.4322	0.4225	Ave		0.4565			0.1000	12.2		15.0			
Vinyl chloride	0.5755 0.4980	0.4795	0.4508	0.5014	0.4821	Ave		0.4979				8.4		30.0			
Bromomethane	0.4763 0.3044	0.3117	0.2482	0.2673	0.2768	LinF		0.3005							0.9983		0.9900
Chloroethane	0.2962 0.2483	0.2744	0.2561	0.2797	0.2586	Ave		0.2689				6.6		15.0			
Dichlorofluoromethane	1.1290 0.6582	0.8182	0.6767	0.7464	0.6221	LinF		0.6544							0.9992		0.9900
Trichlorofluoromethane	0.8225 0.6736	0.6460	0.6355	0.7165	0.6423	Ave		0.6894				10.4		15.0			
Ethyl ether	0.2836 0.2355	0.2818	0.2740	0.2836	0.2307	Ave		0.2649				9.4		15.0			
Isopropene	0.4748 0.4706	0.4415	0.5353	0.6174	0.4365	Ave		0.4960				13.9		15.0			
Acrolein	0.0631 0.0489	0.0556	0.0483	0.0562	0.0450	Ave		0.0529				12.6		15.0			
1,1,2-Trichloro-1,2,2-trichfluoroethane	0.4492 0.3371	0.3612	0.4161	0.4598	0.3237	Ave		0.3912				14.9		15.0			
1,1-Dichloroethene	0.3808 0.3143	0.3463	0.3369	0.3759	0.2946	Ave		0.3415				9.9		30.0			
Acetone	0.2257 0.0805	0.2048	0.1763	0.1410	0.0855	LinF		0.0811							0.9962		0.9900
Iodomethane	0.3713 0.4662	0.5082	0.5512	0.5989	0.4527	LinF		0.4660							0.9987		0.9900
Carbon disulfide	1.2385 1.1567	1.2367	1.2183	1.3144	1.0228	Ave		1.1979				8.3		15.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-40258-1 Analy Batch No.: 111515

SDG No.:

Instrument ID: VOAMS12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 05/03/2012 18:57 Calibration End Date: 05/03/2012 21:02 Calibration ID: 15443

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Acetonitrile	0.0546 0.0387	0.0500	0.0408	0.0443	0.0335	LinF		0.0382							0.9962		0.9900
Methyl acetate	0.0557 0.0567	0.0654	0.0530	0.0615	0.0495	Ave		0.0570				10.1		15.0			
Methylene Chloride	0.4776 0.3591	0.4596	0.3985	0.4031	0.3504	Ave		0.4081				12.7		15.0			
TBA	0.0336 0.0366	0.0310	0.0321	0.0353	0.0299	Ave		0.0331				7.7		15.0			
Acrylonitrile	0.1411 0.1233	0.1285	0.1059	0.1215	0.1006	Ave		0.1202				12.4		15.0			
trans-1,2-Dichloroethene	0.4732 0.3831	0.4218	0.4258	0.4424	0.3663	Ave		0.4188				9.3		15.0			
MTBE	0.8133 0.8922	0.8169	0.8348	0.9094	0.8297	Ave		0.8494				4.8		15.0			
Hexane	0.3152 0.2692	0.2513	0.3381	0.3929	0.2768	LinF		0.2719							0.9971		0.9900
1,1-Dichloroethane	0.8951 0.6941	0.8330	0.7282	0.7598	0.6465	Ave		0.7595			0.1000	12.0		15.0			
Vinyl acetate	0.9836 1.0647	0.8900	0.9652	1.0692	0.9700	Ave		0.9905				6.8		15.0			
DIPE	0.9817 1.1567	1.0688	1.0854	1.1501	1.0640	Ave		1.0844				5.9		15.0			
Tert-butyl ethyl ether	0.8837 1.0461	0.8925	0.9938	1.0607	0.9515	Ave		0.9714				7.8		15.0			
2,2-Dichloropropane	0.5825 0.5971	0.6156	0.5522	0.6288	0.5209	Ave		0.5828				6.9		15.0			
cis-1,2-Dichloroethene	0.4626 0.4340	0.4910	0.4258	0.4453	0.3765	Ave		0.4392				8.8		15.0			
2-Butanone	0.0618 0.0375	0.0670	0.0605	0.0594	0.0368	LinF		0.0376							0.9984		0.9900
Ethyl acetate	0.0248 0.0290	0.0188	0.0211	0.0280	0.0238	LinF		0.0284							0.9939		0.9900
Bromochloromethane	0.1775 0.1710	0.1991	0.1757	0.1809	0.1592	Ave		0.1772				7.4		15.0			
Chloroform	0.7116 0.6322	0.7033	0.6413	0.6803	0.5858	Ave		0.6591				7.3		30.0			
1,1,1-Trichloroethane	0.5816 0.6020	0.5421	0.5867	0.6514	0.5492	Ave		0.5855				6.8		15.0			
Cyclohexane	0.6435 0.6144	0.6034	0.7127	0.7844	0.5988	Ave		0.6595				11.3		15.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-40258-1 Analy Batch No.: 111515

SDG No.:

Instrument ID: VOAMS12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 05/03/2012 18:57 Calibration End Date: 05/03/2012 21:02 Calibration ID: 15443

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Carbon tetrachloride	0.4645 0.5290	0.4555	0.4768	0.5533	0.4789	Ave		0.4930				7.9		15.0			
1,1-Dichloropropene	0.4843 0.5728	0.4755	0.5490	0.6350	0.5351	Ave		0.5419				10.9		15.0			
Benzene	1.5924 1.5222	1.4097	1.4554	1.5784	1.4173	Ave		1.4959				5.4		15.0			
1,2-Dichloroethane	0.4582 0.4087	0.4315	0.4055	0.4347	0.3812	Ave		0.4200				6.4		15.0			
Isopropyl acetate	0.5072 0.6464	0.4755	0.5236	0.5921	0.5566	Ave		0.5503				11.3		15.0			
Tert-amyl methyl ether	0.6255 0.8475	0.6929	0.7488	0.7902	0.7495	Ave		0.7424				10.4		15.0			
Trichloroethene	0.3405 0.3946	0.3166	0.3623	0.4082	0.3684	Ave		0.3651				9.2		15.0			
Methylcyclohexane	0.5798 0.6330	0.5532	0.6796	0.7877	0.6322	Ave		0.6442				12.9		15.0			
1,2-Dichloropropane	0.3493 0.3581	0.3539	0.3374	0.3565	0.3378	Ave		0.3488				2.6		30.0			
Dibromomethane	0.2439 0.1895	0.2271	0.1845	0.1925	0.1758	Ave		0.2022				13.3		15.0			
Methyl methacrylate	0.1444 0.1947	0.1695	0.1597	0.1740	0.1667	Ave		0.1682				9.9		15.0			
1,4-Dioxane	0.0045 0.0040	0.0044	0.0038	0.0045	0.0035	Ave		0.0041				9.8		15.0			
Propyl acetate	0.3295 0.4052	0.3011	0.3183	0.3692	0.3499	Ave		0.3455				10.9		15.0			
Bromodichloromethane	0.4678 0.4835	0.4144	0.4321	0.4615	0.4401	Ave		0.4499				5.7		15.0			
2-Chloroethyl vinyl ether	0.1461 0.1994	0.1384	0.1599	0.1810	0.1763	Ave		0.1669				13.8		15.0			
Epichlorohydrin	0.0279 0.0324	0.0279	0.0267	0.0311	0.0266	Ave		0.0288				8.4		15.0			
cis-1,3-Dichloropropene	0.5092 0.5822	0.4496	0.5063	0.5605	0.5433	Ave		0.5252				9.0		15.0			
4-Methyl-2-pentanone	0.4411 0.2727	0.4429	0.4792	0.4010	0.2710	LinF		0.2733							0.9988		0.9900
Toluene	1.9781 2.0283	1.9830	2.0938	2.2354	2.1442	Ave		2.0771				4.9		30.0			
trans-1,3-Dichloropropene	0.4774 0.6840	0.4680	0.5684	0.6293	0.6956	LinF		0.6850							0.9998		0.9900

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

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

Lab Name: TestAmerica Edison Job No.: 460-40258-1 Analy Batch No.: 111515

SDG No.:

Instrument ID: VOAMS12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 05/03/2012 18:57 Calibration End Date: 05/03/2012 21:02 Calibration ID: 15443

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,1,2-Trichloroethane	0.2525 0.3060	0.2657	0.2913	0.3149	0.3317	Ave		0.2937				10.3		15.0			
Tetrachloroethene	0.5213 0.5769	0.5564	0.5713	0.6250	0.6078	Ave		0.5765				6.4		15.0			
1,3-Dichloropropane	0.6281 0.6420	0.6334	0.6030	0.6797	0.6725	Ave		0.6431				4.5		15.0			
2-Hexanone	0.4127 0.2524	0.4312	0.5030	0.4072	0.2643	LinF		0.2538							0.9980		0.9900
Dibromochloromethane	0.3789 0.4625	0.3704	0.4211	0.4734	0.4652	Ave		0.4286				10.6		15.0			
1,2-Dibromoethane	0.3144 0.3873	0.3112	0.3689	0.4050	0.3671	Ave		0.3590				10.7		15.0			
Butyl acetate	0.4647 0.5809	0.4582	0.5247	0.5735	0.5047	Ave		0.5178				10.1		15.0			
Chlorobenzene	1.5308 1.4079	1.3816	1.3534	1.4445	1.3347	Ave		1.4088			0.3000	5.1		15.0			
1,1,1,2-Tetrachloroethane	0.3930 0.5101	0.3895	0.4205	0.4799	0.5095	Ave		0.4504				12.5		15.0			
Ethylbenzene	0.7234 0.7553	0.7707	0.7366	0.7763	0.7905	Ave		0.7588				3.3		30.0			
m&p-Xylene	0.9068 0.9481	0.9649	0.8931	0.9756	0.9331	Ave		0.9369				3.5		15.0			
o-Xylene	0.8294 0.9007	0.8742	0.9251	0.9248	0.8946	Ave		0.8915				4.0		15.0			
Styrene	1.3062 1.5190	1.4480	1.5633	1.5678	1.5595	Ave		1.4940				6.9		15.0			
Butyl acrylate	1.0264 1.3636	0.9511	1.1165	1.1770	1.1985	Ave		1.1388				12.7		15.0			
Bromoform	0.2697 0.3400	0.2489	0.2621	0.2983	0.3262	Ave		0.2909			0.1000	12.6		15.0			
Amly acetate	0.3076 0.4119	0.3572	0.3889	0.3836	0.3675	Ave		0.3695				9.6		15.0			
Isopropylbenzene	2.1528 2.4988	2.6071	2.6215	2.6587	2.5117	Ave		2.5084				7.4		15.0			
Camphene, Total	0.3110 0.3472	0.3231	0.3748	0.3969	0.3558	Ave		0.3515				9.1		15.0			
Monobromobenzene	1.0295 1.0873	1.0867	0.9867	1.0666	1.0502	Ave		1.0512				3.7		15.0			
1,1,2,2-Tetrachloroethane	0.7918 0.9372	0.8627	0.7986	0.8695	0.8654	Ave		0.8542			0.3000	6.3		15.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-40258-1 Analy Batch No.: 111515

SDG No.:

Instrument ID: VOAMS12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 05/03/2012 18:57 Calibration End Date: 05/03/2012 21:02 Calibration ID: 15443

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2,3-Trichloropropane	0.2472 0.2680	0.2379	0.2251	0.2504	0.2458	Ave		0.2457				5.8		15.0			
trans-1,4-Dichloro-2-butene	0.1237 0.1105	0.1051	0.0986	0.1123	0.0929	Ave		0.1072				10.1		15.0			
N-Propylbenzene	4.7268 5.4160	5.1291	5.1520	5.6147	5.3202	Ave		5.2265				5.8		15.0			
2-Chlorotoluene	2.8823 2.9667	2.9566	2.7729	2.9759	2.9422	Ave		2.9161				2.7		15.0			
4-Chlorotoluene	2.8651 3.1022	3.0026	2.9119	3.1027	3.0793	Ave		3.0107				3.4		15.0			
1,3,5-Trimethylbenzene	3.2655 3.6279	3.4514	3.4654	3.6913	3.5866	Ave		3.5147				4.4		15.0			
Butyl Methacrylate	0.7677 1.2477	0.9917	1.0511	1.0862	1.1446	LinF		1.2332							0.9985		0.9900
tert-Butylbenzene	2.9650 3.3441	3.1023	3.1164	3.5399	3.4336	Ave		3.2502				6.8		15.0			
1,2,4-Trimethylbenzene	3.5070 3.6832	3.5582	3.6489	3.7121	3.8044	Ave		3.6523				2.9		15.0			
sec-Butylbenzene	4.4286 5.0077	4.5248	5.0280	5.2914	5.1219	Ave		4.9004				7.0		15.0			
1,3-Dichlorobenzene	2.2477 2.1225	2.1838	2.0844	2.1663	2.0695	Ave		2.1457				3.1		15.0			
1,4-Dichlorobenzene	2.2351 2.0893	2.1553	2.1027	2.1387	2.1095	Ave		2.1384				2.5		15.0			
p-Isopropyltoluene	4.0277 4.2229	3.9763	4.1904	4.5563	4.2519	Ave		4.2043				4.9		15.0			
Benzyl chloride	1.2210 1.8067	1.3329	1.4205	1.5560	1.6531	Ave		1.4983				14.4		15.0			
1,2-Dichlorobenzene	2.1595 1.9559	2.0550	1.8717	1.9384	1.9764	Ave		1.9928				5.1		15.0			
n-Butylbenzene	3.7914 3.9633	3.9330	3.9083	4.2269	4.1090	Ave		3.9886				3.9		15.0			
1,2-Dibromo-3-Chloropropane	0.2238 0.1734	0.1352	0.1415	0.1560	0.1539	LinF		0.1708							0.9975		0.9900
Camphor	0.0700 0.1064	0.0730	0.0897	0.0962	0.0941	LinF		0.1048							0.9974		0.9900
1,2,4-Trichlorobenzene	1.5704 1.5992	1.7647	1.5448	1.5892	1.6832	Ave		1.6252				5.1		15.0			
Hexachlorobutadiene	1.0905 0.9496	0.9730	0.9765	1.0641	1.0951	Ave		1.0248				6.4		15.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-40258-1 Analy Batch No.: 111515

SDG No.:

Instrument ID: VOAMS12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 05/03/2012 18:57 Calibration End Date: 05/03/2012 21:02 Calibration ID: 15443

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Naphthalene	2.9209 3.1982	2.9100	2.8849	3.1089	3.2332	Ave		3.0427				5.1		15.0			
1,2,3-Trichlorobenzene	1.5455 1.4363	1.5325	1.3490	1.4134	1.5174	Ave		1.4657				5.3		15.0			
1,2-Dichloroethane-d4 (Surr)	0.2230 0.2078	0.2204	0.1658	0.2155	0.1970	Ave		0.2049				10.4		15.0			
Toluene-d8 (Surr)	0.9666 1.0431	1.0816	0.8481	1.0718	1.1028	Ave		1.0190				9.4		15.0			
Bromofluorobenzene	0.6576 0.7628	0.7341	0.5253	0.6825	0.7188	Ave		0.6802				12.4		15.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-40258-1 Analy Batch No.: 111515

SDG No.:

Instrument ID: VOAMS12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 05/03/2012 18:57 Calibration End Date: 05/03/2012 21:02 Calibration ID: 15443

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-111515/2	o59879.d
Level 2	IC 460-111515/3	o59880.d
Level 3	ICIS 460-111515/4	o59881.d
Level 4	IC 460-111515/5	o59882.d
Level 5	IC 460-111515/6	o59883.d
Level 6	IC 460-111515/7	o59884.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	3352 1958801	14656	70506	172652	842968	1.00 500	5.00	20.0	50.0	200
Chloromethane	FB	Ave	4145 1930163	20040	78977	179875	874000	1.00 500	5.00	20.0	50.0	200
Vinyl chloride	FB	Ave	4286 2189671	19820	88142	208688	997331	1.00 500	5.00	20.0	50.0	200
Bromomethane	FB	LinF	3547 1338149	12885	48535	111259	572623	1.00 500	5.00	20.0	50.0	200
Chloroethane	FB	Ave	2206 1091875	11344	50072	116430	535001	1.00 500	5.00	20.0	50.0	200
Dichlorofluoromethane	FB	LinF	8408 2893772	33824	132295	310660	1286925	1.00 500	5.00	20.0	50.0	200
Trichlorofluoromethane	FB	Ave	6125 2961835	26704	124244	298203	1328622	1.00 500	5.00	20.0	50.0	200
Ethyl ether	FB	Ave	2112 1035576	11650	53566	118040	477219	1.00 500	5.00	20.0	50.0	200
Isopropene	FB	Ave	3536 2069221	18250	104649	256987	902857	1.00 500	5.00	20.0	50.0	200
Acrolein	FB	Ave	46972 257773	91986	141646	187189	232894	100 600	200	300	400	500
1,1,2-Trichloro-1,2,2-trichfluoroethane	FB	Ave	3345 1482316	14931	81352	191361	669615	1.00 500	5.00	20.0	50.0	200
1,1-Dichloroethene	FB	Ave	2836 1381860	14317	65874	156454	609429	1.00 500	5.00	20.0	50.0	200
Acetone	FB	LinF	16807 707628	25398	34478	58676	176806	10.0 1000	15.0	20.0	50.0	200
Iodomethane	FB	LinF	2765 2049545	21009	107759	249267	936432	1.00 500	5.00	20.0	50.0	200
Carbon disulfide	FB	Ave	9223 5085544	51122	238201	547092	2115726	1.00 500	5.00	20.0	50.0	200
Acetonitrile	FB	LinF	8139 3406331	41333	159662	368389	1384089	20.0 10000	100	400	1000	4000

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

Lab Name: TestAmerica Edison Job No.: 460-40258-1 Analy Batch No.: 111515

SDG No.:

Instrument ID: VOAMS12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 05/03/2012 18:57 Calibration End Date: 05/03/2012 21:02 Calibration ID: 15443

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Methyl acetate	FB	Ave	415 249258	2704	10363	25610	102475	1.00 500	5.00	20.0	50.0	200
Methylene Chloride	FB	Ave	3557 1578676	19001	77908	167786	724879	1.00 500	5.00	20.0	50.0	200
TBA	FB	Ave	5007 3214807	25626	125423	293472	1236912	20.0 10000	100	400	1000	4000
Acrylonitrile	FB	Ave	52544 325285	106228	155298	202313	260136	50.0 300	100	150	200	250
trans-1,2-Dichloroethene	FB	Ave	3524 1684398	17437	83242	184128	757685	1.00 500	5.00	20.0	50.0	200
MTBE	FB	Ave	6057 3922554	33769	163204	378520	1716208	1.00 500	5.00	20.0	50.0	200
Hexane	FB	LinF	2347 1183483	10388	66112	163545	572525	1.00 500	5.00	20.0	50.0	200
1,1-Dichloroethane	FB	Ave	6666 3051749	34436	142374	316236	1337394	1.00 500	5.00	20.0	50.0	200
Vinyl acetate	FB	Ave	7325 4681267	36791	188710	445021	2006613	1.00 500	5.00	20.0	50.0	200
DIPE	FB	Ave	7311 5085517	44182	212201	478714	2200961	1.00 500	5.00	20.0	50.0	200
Tert-butyl ethyl ether	FB	Ave	6581 4599488	36894	194300	441502	1968304	1.00 500	5.00	20.0	50.0	200
2,2-Dichloropropane	FB	Ave	4338 2625203	25448	107965	261712	1077498	1.00 500	5.00	20.0	50.0	200
cis-1,2-Dichloroethene	FB	Ave	3445 1908034	20299	83253	185361	778730	1.00 500	5.00	20.0	50.0	200
2-Butanone	FB	LinF	4604 330062	8307	11831	24723	76202	10.0 1000	15.0	20.0	50.0	200
Ethyl acetate	FB	LinF	370 255045	1554	8259	23307	98574	2.00 1000	10.0	40.0	100	400
Bromochloromethane	FB	Ave	1322 751999	8229	34344	75294	329267	1.00 500	5.00	20.0	50.0	200
Chloroform	FB	Ave	5299 2779771	29075	125383	283159	1211741	1.00 500	5.00	20.0	50.0	200
1,1,1-Trichloroethane	FB	Ave	4331 2646866	22409	114697	271114	1136097	1.00 500	5.00	20.0	50.0	200
Cyclohexane	FB	Ave	4792 2701451	24945	139341	326484	1238710	1.00 500	5.00	20.0	50.0	200
Carbon tetrachloride	FB	Ave	3459 2326057	18828	93227	230314	990558	1.00 500	5.00	20.0	50.0	200
1,1-Dichloropropene	FB	Ave	3607 2518331	19655	107329	264283	1106935	1.00 500	5.00	20.0	50.0	200

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

Lab Name: TestAmerica Edison Job No.: 460-40258-1 Analy Batch No.: 111515

SDG No.:

Instrument ID: VOAMS12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 05/03/2012 18:57 Calibration End Date: 05/03/2012 21:02 Calibration ID: 15443

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Benzene	FB	Ave	11859 6692894	58274	284548	656970	2931744	1.00 500	5.00	20.0	50.0	200
1,2-Dichloroethane	FB	Ave	3412 1796847	17839	79271	180926	788541	1.00 500	5.00	20.0	50.0	200
Isopropyl acetate	FB	Ave	7555 5684533	39316	204737	492876	2302857	2.00 1000	10.0	40.0	100	400
Tert-amyl methyl ether	FB	Ave	4658 3726182	28645	146400	328881	1550381	1.00 500	5.00	20.0	50.0	200
Trichloroethene	FB	Ave	2536 1734872	13087	70839	169889	762088	1.00 500	5.00	20.0	50.0	200
Methylcyclohexane	FB	Ave	4318 2782995	22870	132865	327858	1307751	1.00 500	5.00	20.0	50.0	200
1,2-Dichloropropane	FB	Ave	2601 1574639	14629	65972	148365	698669	1.00 500	5.00	20.0	50.0	200
Dibromomethane	FB	Ave	1816 833188	9390	36078	80122	363576	1.00 500	5.00	20.0	50.0	200
Methyl methacrylate	FB	Ave	1075 855852	7008	31220	72429	344882	1.00 500	5.00	20.0	50.0	200
1,4-Dioxane	FB	Ave	1671 70205	3597	5525	7486	9152	50.0 2000	100	150	200	250
Propyl acetate	FB	Ave	4908 3562800	24893	124459	307337	1447788	2.00 1000	10.0	40.0	100	400
Bromodichloromethane	FB	Ave	3484 2125681	17129	84486	192089	910381	1.00 500	5.00	20.0	50.0	200
2-Chloroethyl vinyl ether	FB	Ave	1088 876911	5720	31271	75340	364696	1.00 500	5.00	20.0	50.0	200
Epichlorohydrin	FB	Ave	4156 2852638	23079	104406	259027	1102327	20.0 10000	100	400	1000	4000
cis-1,3-Dichloropropene	FB	Ave	3792 2559998	18584	98983	233303	1123940	1.00 500	5.00	20.0	50.0	200
4-Methyl-2-pentanone	FB	LinF	32848 2397652	54926	93683	166907	560513	10.0 1000	15.0	20.0	50.0	200
Toluene	CBZ	Ave	12654 6806503	64251	302372	680892	3080742	1.00 500	5.00	20.0	50.0	200
trans-1,3-Dichloropropene	CBZ	LinF	3054 2295156	15164	82085	191678	999417	1.00 500	5.00	20.0	50.0	200
1,1,2-Trichloroethane	CBZ	Ave	1615 1026782	8610	42071	95928	476514	1.00 500	5.00	20.0	50.0	200
Tetrachloroethene	CBZ	Ave	3335 1935963	18028	82509	190357	873264	1.00 500	5.00	20.0	50.0	200
1,3-Dichloropropane	CBZ	Ave	4018 2154345	20524	87083	207031	966273	1.00 500	5.00	20.0	50.0	200

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

Lab Name: TestAmerica Edison Job No.: 460-40258-1 Analy Batch No.: 111515

SDG No.:

Instrument ID: VOAMS12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 05/03/2012 18:57 Calibration End Date: 05/03/2012 21:02 Calibration ID: 15443

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
2-Hexanone	CBZ	LinF	26404 1694214	41913	72635	124031	379737	10.0 1000	15.0	20.0	50.0	200
Dibromochloromethane	CBZ	Ave	2424 1552039	12003	60819	144190	668424	1.00 500	5.00	20.0	50.0	200
1,2-Dibromoethane	CBZ	Ave	2011 1299667	10084	53270	123358	527437	1.00 500	5.00	20.0	50.0	200
Butyl acetate	CBZ	Ave	5945 3898664	29694	151540	349385	1450380	2.00 1000	10.0	40.0	100	400
Chlorobenzene	CBZ	Ave	9793 4724352	44767	195448	439985	1917656	1.00 500	5.00	20.0	50.0	200
1,1,1,2-Tetrachloroethane	CBZ	Ave	2514 1711589	12620	60725	146180	732003	1.00 500	5.00	20.0	50.0	200
Ethylbenzene	CBZ	Ave	4628 2534682	24971	106372	236468	1135845	1.00 500	5.00	20.0	50.0	200
m&p-Xylene	CBZ	Ave	11602 6362956	62530	257952	594295	2681259	2.00 1000	10.0	40.0	100	400
o-Xylene	CBZ	Ave	5306 3022461	28325	133601	281683	1285315	1.00 500	5.00	20.0	50.0	200
Styrene	CBZ	Ave	8356 5097326	46918	225771	477528	2240753	1.00 500	5.00	20.0	50.0	200
Butyl acrylate	DCB	Ave	3587 2530890	19103	101058	218468	980431	1.00 500	5.00	20.0	50.0	200
Bromoform	CBZ	Ave	1725 1140912	8065	37856	90859	468743	1.00 500	5.00	20.0	50.0	200
Amly acetate	CBZ	Ave	1968 1382145	11574	56167	116844	528084	1.00 500	5.00	20.0	50.0	200
Isopropylbenzene	CBZ	Ave	13772 8385156	84475	378587	809830	3608766	1.00 500	5.00	20.0	50.0	200
Camphene, Total	DCB	Ave	1087 644367	6490	33927	73679	291064	1.00 500	5.00	20.0	50.0	200
Monobromobenzene	DCB	Ave	3598 2018048	21827	89309	197984	859151	1.00 500	5.00	20.0	50.0	200
1,1,2,2-Tetrachloroethane	DCB	Ave	2767 1739476	17327	72284	161391	707940	1.00 500	5.00	20.0	50.0	200
1,2,3-Trichloropropane	DCB	Ave	864 497362	4778	20375	46473	201115	1.00 500	5.00	20.0	50.0	200
trans-1,4-Dichloro-2-butene	FB	Ave	921 485679	4344	19281	46729	192169	1.00 500	5.00	20.0	50.0	200
N-Propylbenzene	DCB	Ave	16519 10052419	103020	466311	1042200	4352251	1.00 500	5.00	20.0	50.0	200
2-Chlorotoluene	DCB	Ave	10073 5506406	59385	250977	552388	2406913	1.00 500	5.00	20.0	50.0	200

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

Lab Name: TestAmerica Edison Job No.: 460-40258-1 Analy Batch No.: 111515

SDG No.:

Instrument ID: VOAMS12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 05/03/2012 18:57 Calibration End Date: 05/03/2012 21:02 Calibration ID: 15443

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
4-Chlorotoluene	DCB	Ave	10013 5757958	60309	263556	575930	2519103	1.00 500	5.00	20.0	50.0	200
1,3,5-Trimethylbenzene	DCB	Ave	11412 6733513	69322	313650	685174	2934091	1.00 500	5.00	20.0	50.0	200
Butyl Methacrylate	DCB	LinF	2683 2315843	19918	95138	201627	936352	1.00 500	5.00	20.0	50.0	200
tert-Butylbenzene	DCB	Ave	10362 6206807	62310	282067	657071	2808896	1.00 500	5.00	20.0	50.0	200
1,2,4-Trimethylbenzene	DCB	Ave	12256 6836201	71467	330262	689051	3112244	1.00 500	5.00	20.0	50.0	200
sec-Butylbenzene	DCB	Ave	15477 9294640	90881	455083	982186	4190052	1.00 500	5.00	20.0	50.0	200
1,3-Dichlorobenzene	DCB	Ave	7855 3939445	43863	188658	402105	1692996	1.00 500	5.00	20.0	50.0	200
1,4-Dichlorobenzene	DCB	Ave	7811 3877858	43289	190317	396989	1725707	1.00 500	5.00	20.0	50.0	200
p-Isopropyltoluene	DCB	Ave	14076 7837880	79866	379277	845739	3478293	1.00 500	5.00	20.0	50.0	200
Benzyl chloride	DCB	Ave	4267 3353311	26771	128566	288820	1352318	1.00 500	5.00	20.0	50.0	200
1,2-Dichlorobenzene	DCB	Ave	7547 3630325	41275	169408	359816	1616857	1.00 500	5.00	20.0	50.0	200
n-Butylbenzene	DCB	Ave	13250 7356117	78996	353739	784604	3361385	1.00 500	5.00	20.0	50.0	200
1,2-Dibromo-3-Chloropropane	DCB	LinF	782 321851	2715	12808	28950	125933	1.00 500	5.00	20.0	50.0	200
Camphor	DCB	LinF	1224 987733	7331	40583	89259	384710	5.00 2500	25.0	100	250	1000
1,2,4-Trichlorobenzene	DCB	Ave	5488 2968153	35444	139819	294990	1376947	1.00 500	5.00	20.0	50.0	200
Hexachlorobutadiene	DCB	Ave	3811 1762549	19542	88382	197520	895892	1.00 500	5.00	20.0	50.0	200
Naphthalene	DCB	Ave	10208 5936078	58449	261108	577075	2644961	1.00 500	5.00	20.0	50.0	200
1,2,3-Trichlorobenzene	DCB	Ave	5401 2665862	30780	122097	262366	1241345	1.00 500	5.00	20.0	50.0	200
1,2-Dichloroethane-d4 (Surr)	FB	Ave	83029 91370	91105	81062	89685	101887	50.0 50.0	50.0	50.0	50.0	50.0
Toluene-d8 (Surr)	CBZ	Ave	309178 350021	350466	306187	326448	396133	50.0 50.0	50.0	50.0	50.0	50.0
Bromofluorobenzene	DCB	Ave	114910 141577	147446	118859	126683	147004	50.0 50.0	50.0	50.0	50.0	50.0

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

Lab Name: TestAmerica Edison Job No.: 460-40258-1 Analy Batch No.: 111515

SDG No.:

Instrument ID: VOAMS12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 05/03/2012 18:57 Calibration End Date: 05/03/2012 21:02 Calibration ID: 15443

Curve Type Legend:

Ave = Average ISTD
LinF = Linear ISTD forced zero

Data File: /chem/VOAMS12.i/8260L_10/05-03-12/03may12a.b/o59879.d
Report Date: 04-May-2012 14:11

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS12.i/8260L_10/05-03-12/03may12a.b/o59879.d
Lab Smp Id: IC-VMCAL1
Inj Date : 03-MAY-2012 18:57
Operator : VOAMS 9 Inst ID: VOAMS12.i
Smp Info : IC-VMCAL1
Misc Info :
Comment :
Method : /chem/VOAMS12.i/8260L_10/05-03-12/03may12a.b/8260L_10.m
Meth Date : 04-May-2012 14:11 vibha Quant Type: ISTD
Cal Date : 03-MAY-2012 18:57 Cal File: o59879.d
Als bottle: 3 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	5.00000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
M 14	1,2-Dichloroethene (total)	100				6969	2.00000	2.2
90	Dichlorodifluoromethane	85	0.873	0.866	(0.236)	3352	1.00000	1.1
1	Chloromethane	50	0.973	0.988	(0.263)	4145	1.00000	1.2
4	Vinyl Chloride	62	1.009	1.009	(0.273)	4286	1.00000	1.2
3	Bromomethane	94	1.160	1.167	(0.313)	3547	1.00000	1.6
5	Chloroethane	64	1.217	1.217	(0.329)	2206	1.00000	1.1
9	Trichlorofluoromethane	101	1.339	1.339	(0.362)	6125	1.00000	1.2
46	Ethyl Ether	59	1.496	1.496	(0.404)	2112	1.00000	1.1
119	Isoprene	67	1.496	1.503	(0.404)	3536	1.00000	0.96(a)
47	Acrolein	56	1.568	1.568	(0.423)	46972	100.000	120
10	1,1-Dichloroethene	96	1.618	1.611	(0.437)	2836	1.00000	1.1
48	Freon TF	101	1.611	1.611	(0.435)	3345	1.00000	1.1
7	Acetone	43	1.661	1.661	(0.449)	16807	10.0000	28
142	Iodomethane	142	1.704	1.704	(0.460)	2765	1.00000	0.80(a)

Data File: /chem/VOAMS12.i/8260L_10/05-03-12/03may12a.b/o59879.d
Report Date: 04-May-2012 14:11

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
8	Carbon Disulfide	76	1.733	1.733	(0.468)	9223	1.00000	1.0
50	Acetonitrile	41	1.826	1.819	(0.493)	8139	20.0000	29
125	Methyl acetate	74	1.840	1.847	(0.497)	415	1.00000	0.98(a)
6	Methylene Chloride	84	1.890	1.897	(0.511)	3557	1.00000	1.2
51	TBA	59	1.991	1.990	(0.538)	5007	20.0000	20
52	Acrylonitrile	53	2.055	2.055	(0.555)	52544	50.0000	59
12	trans-1,2-Dichloroethene	96	2.055	2.062	(0.555)	3524	1.00000	1.1
53	MTBE	73	2.062	2.062	(0.557)	6057	1.00000	0.96(a)
54	Hexane	56	2.234	2.227	(0.603)	2347	1.00000	1.2
11	1,1-Dichloroethane	63	2.327	2.334	(0.629)	6666	1.00000	1.2
57	Vinyl Acetate	43	2.385	2.384	(0.644)	7325	1.00000	0.99(a)
55	DIPE	45	2.392	2.392	(0.646)	7311	1.00000	0.90(a)
149	tert-Butyl ethyl ether	59	2.650	2.649	(0.716)	6581	1.00000	0.91(a)
157	Dichlorofluoromethane	67	1.317	1.317	(0.356)	8408	1.00000	1.4(M)
104	2,2-Dichloropropane	77	2.743	2.743	(0.741)	4338	1.00000	1.00
13	cis-1,2-Dichloroethene	96	2.750	2.750	(0.743)	3445	1.00000	1.0
18	2-Butanone	72	2.779	2.778	(0.750)	4604	10.0000	16
56	Ethyl Acetate	70	2.829	2.829	(0.764)	370	2.00000	1.7(a)
108	Bromochloromethane	128	2.929	2.929	(0.791)	1322	1.00000	1.0
15	Chloroform	83	3.001	3.000	(0.810)	5299	1.00000	1.1
20	1,1,1-Trichloroethane	97	3.137	3.129	(0.847)	4331	1.00000	0.99(a)
59	Cyclohexane	56	3.165	3.165	(0.855)	4792	1.00000	0.98(a)
21	Carbon Tetrachloride	117	3.258	3.265	(0.880)	3459	1.00000	0.94(a)
92	1,1-Dichloropropene	75	3.266	3.273	(0.882)	3607	1.00000	0.89(a)
$ 16	1,2-Dichloroethane-d4 (SUR)	65	3.409	3.409	(0.921)	83029	50.0000	54
28	Benzene	78	3.445	3.452	(0.930)	11859	1.00000	1.1
17	1,2-Dichloroethane	62	3.473	3.480	(0.938)	3412	1.00000	1.1
61	Isopropyl Acetate	43	3.566	3.566	(0.963)	7555	2.00000	1.8(a)
140	tert-Amylmethyl Ether	73	3.566	3.566	(0.963)	4658	1.00000	0.84(a)
* 69	Fluorobenzene	96	3.703	3.710	(1.000)	372356	50.0000	
25	Trichloroethene	95	4.061	4.053	(1.097)	2536	1.00000	0.93(a)
126	Methyl cyclohexane	83	4.225	4.225	(1.141)	4318	1.00000	0.90(a)
23	1,2-Dichloropropane	63	4.290	4.283	(1.159)	2601	1.00000	1.0
109	Dibromomethane	93	4.405	4.404	(1.190)	1816	1.00000	1.2
95	1,4-Dioxane	88	4.455	4.462	(1.203)	1671	50.0000	55
146	Methyl methacrylate	69	4.455	4.455	(1.203)	1075	1.00000	0.86(a)
64	Propyl Acetate	43	4.533	4.540	(1.224)	4908	2.00000	1.9(a)
22	Bromodichloromethane	83	4.584	4.591	(1.238)	3484	1.00000	1.0
30	2-Chloroethyl Vinyl Ether	63	4.963	4.963	(1.340)	1088	1.00000	0.88(a)
118	Epichlorohydrin	57	5.021	5.013	(1.356)	4156	20.0000	19(a)
24	cis-1,3-Dichloropropene	75	5.092	5.092	(1.375)	3792	1.00000	0.97(a)
33	4-Methyl-2-Pentanone	43	5.314	5.314	(1.435)	32848	10.0000	16
$ 37	Toluene-d8 (SUR)	98	5.393	5.393	(0.741)	309178	50.0000	47
38	Toluene	91	5.465	5.472	(0.751)	12654	1.00000	0.95(a)
29	trans-1,3-Dichloropropene	75	5.794	5.794	(0.796)	3054	1.00000	0.70(a)
27	1,1,2-Trichloroethane	83	6.002	6.009	(0.825)	1615	1.00000	0.86(a)
35	Tetrachloroethene	166	6.138	6.138	(0.843)	3335	1.00000	0.90(a)

Data File: /chem/VOAMS12.i/8260L_10/05-03-12/03may12a.b/o59879.d
Report Date: 04-May-2012 14:11

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
103	1,3-Dichloropropane	76	6.210	6.217	(0.853)	4018	1.00000	0.98(a)
34	2-Hexanone	43	6.389	6.396	(0.878)	26404	10.0000	16
26	Dibromochloromethane	129	6.496	6.496	(0.893)	2424	1.00000	0.88(a)
65	Butyl Acetate	43	6.611	6.611	(0.908)	5945	2.00000	1.8(a)
66	1,2-Dibromoethane	107	6.611	6.611	(0.908)	2011	1.00000	0.88(a)
* 32	Chlorobenzene-d5	117	7.277	7.277	(1.000)	319857	50.0000	
39	Chlorobenzene	112	7.313	7.313	(1.005)	9793	1.00000	1.1
97	1,1,1,2-Tetrachloroethane	131	7.456	7.463	(1.025)	2514	1.00000	0.87(a)
40	Ethylbenzene	106	7.513	7.513	(1.032)	4628	1.00000	0.95(a)
43	m+p-Xylene	106	7.692	7.692	(1.057)	11602	2.00000	1.9(a)
44	o-Xylene	106	8.265	8.272	(1.136)	5306	1.00000	0.93(a)
42	Styrene	104	8.301	8.308	(1.141)	8356	1.00000	0.87(a)
147	Butyl Acrylate	55	8.380	8.380	(0.766)	3587	1.00000	0.90(a)
31	Bromoform	173	8.545	8.545	(1.174)	1725	1.00000	0.93(a)
145	Amyl Acetate	43	8.774	8.767	(1.206)	1968	1.00000	0.83(a)
110	Isopropylbenzene	105	8.874	8.874	(1.220)	13772	1.00000	0.86(a)
$ 41	Bromofluorobenzene (SUR)	174	9.075	9.075	(0.829)	114910	50.0000	48
150	Camphene	41	9.197	9.196	(0.840)	1087	1.00000	0.88(a)
107	Bromobenzene	156	9.254	9.254	(0.846)	3598	1.00000	0.98(a)
36	1,1,2,2-Tetrachloroethane	83	9.419	9.411	(0.861)	2767	1.00000	0.93(a)
99	1,2,3-Trichloropropane	110	9.419	9.426	(0.861)	864	1.00000	1.0
143	trans-1,4-Dichloro-2-butene	53	9.490	9.504	(2.563)	921	1.00000	1.2
112	n-Propylbenzene	91	9.526	9.526	(0.870)	16519	1.00000	0.90(a)
105	2-Chlorotoluene	91	9.598	9.598	(0.877)	10073	1.00000	0.99(a)
106	4-Chlorotoluene	91	9.784	9.791	(0.894)	10013	1.00000	0.95(a)
102	1,3,5-Trimethylbenzene	105	9.841	9.841	(0.899)	11412	1.00000	0.93(a)
148	Butyl methacrylate	69	10.142	10.142	(0.927)	2683	1.00000	0.62(a)
115	tert-Butylbenzene	119	10.350	10.350	(0.946)	10362	1.00000	0.91(a)
100	1,2,4-Trimethylbenzene	105	10.436	10.436	(0.954)	12256	1.00000	0.96(a)
114	sec-Butylbenzene	105	10.715	10.715	(0.979)	15477	1.00000	0.90(a)
67	1,3-Dichlorobenzene	146	10.815	10.815	(0.988)	7855	1.00000	1.0
* 91	1,4-Dichlorobenzene-d4	152	10.944	10.944	(1.000)	174738	50.0000	
68	1,4-Dichlorobenzene	146	10.973	10.980	(1.003)	7811	1.00000	1.0
113	p-Isopropyltoluene	119	11.002	11.002	(1.005)	14076	1.00000	0.96(a)
69	1,2-Dichlorobenzene	146	11.517	11.517	(1.052)	7547	1.00000	1.1
117	Benzyl chloride	91	11.238	11.238	(1.027)	4267	1.00000	0.81(a)
111	n-Butylbenzene	91	11.611	11.610	(1.061)	13250	1.00000	0.95(a)
101	1,2-Dibromo-3-chloropropane	75	12.484	12.484	(1.141)	782	1.00000	1.3
152	Camphor	95	13.186	13.193	(1.205)	1224	5.00000	3.3(a)
93	1,2,4-Trichlorobenzene	180	13.280	13.279	(1.213)	5488	1.00000	0.97(a)
94	Hexachlorobutadiene	225	13.451	13.451	(1.229)	3811	1.00000	1.1
70	Naphthalene	128	13.480	13.480	(1.232)	10208	1.00000	0.96(a)
98	1,2,3-Trichlorobenzene	180	13.688	13.688	(1.251)	5401	1.00000	1.0
M 45	Xylene (Total)	100				16908	3.00000	2.9(a)

Data File: /chem/VOAMS12.i/8260L_10/05-03-12/03may12a.b/o59879.d
Report Date: 04-May-2012 14:11

QC Flag Legend

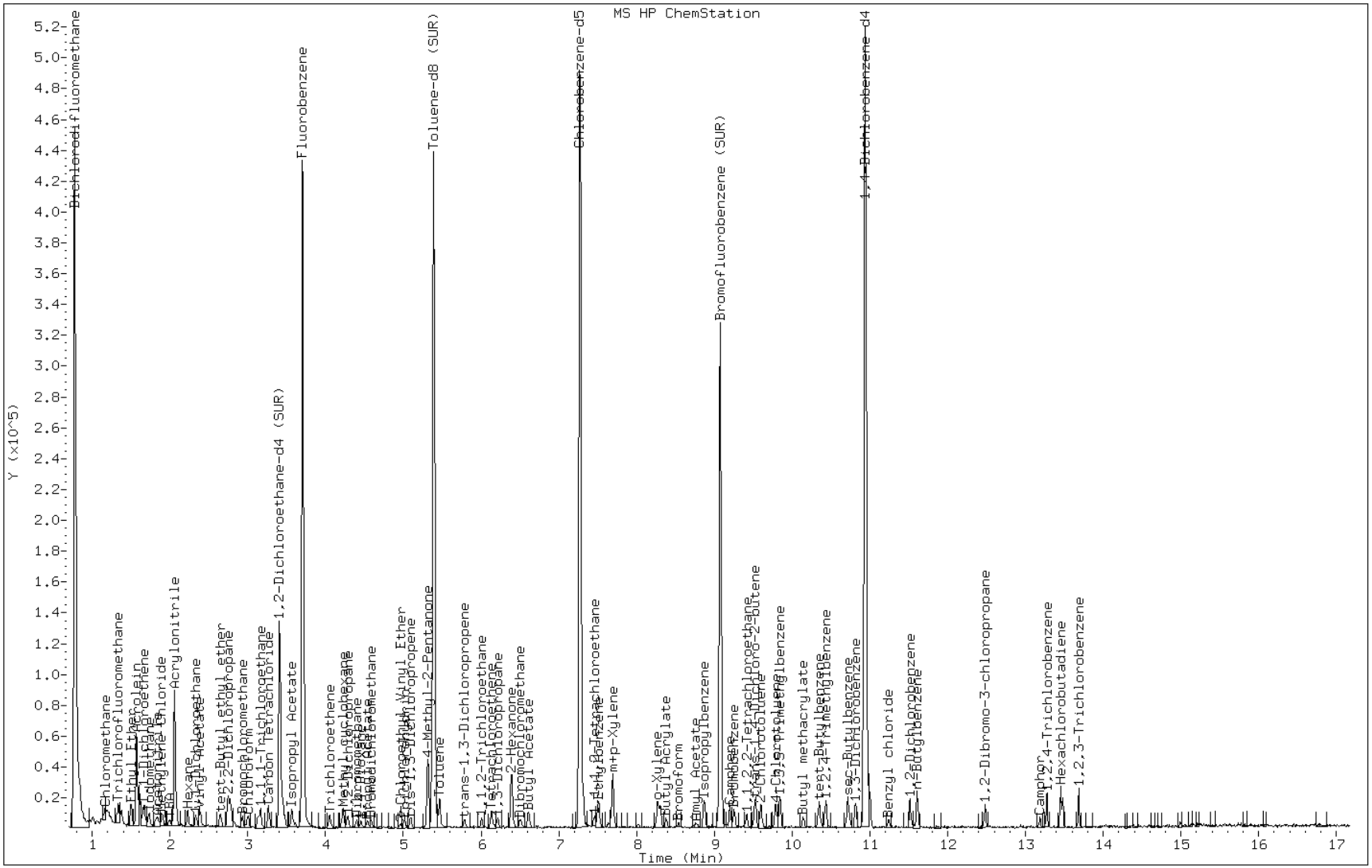
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Data File: o59879.d

Date: 03-MAY-2012 18:57

Client ID: Instrument: VOAMS12.i

Sample Info: IC-VMCAL1 Operator: VOAMS 9



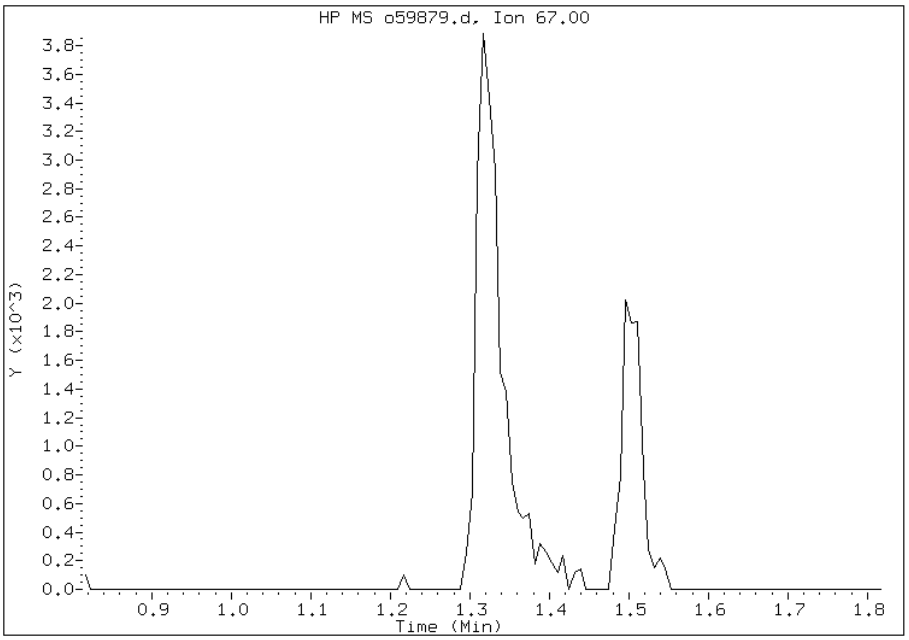
Manual Integration Report

Data File: o59879.d
Inj. Date and Time: 03-MAY-2012 18:57
Instrument ID: VOAMS12.i
Client ID:
Compound: 157 Dichlorofluoromethane
CAS #: 75-43-4
Report Date: 05/04/2012

Processing Integration Results

Not Detected

Expected RT: 1.32



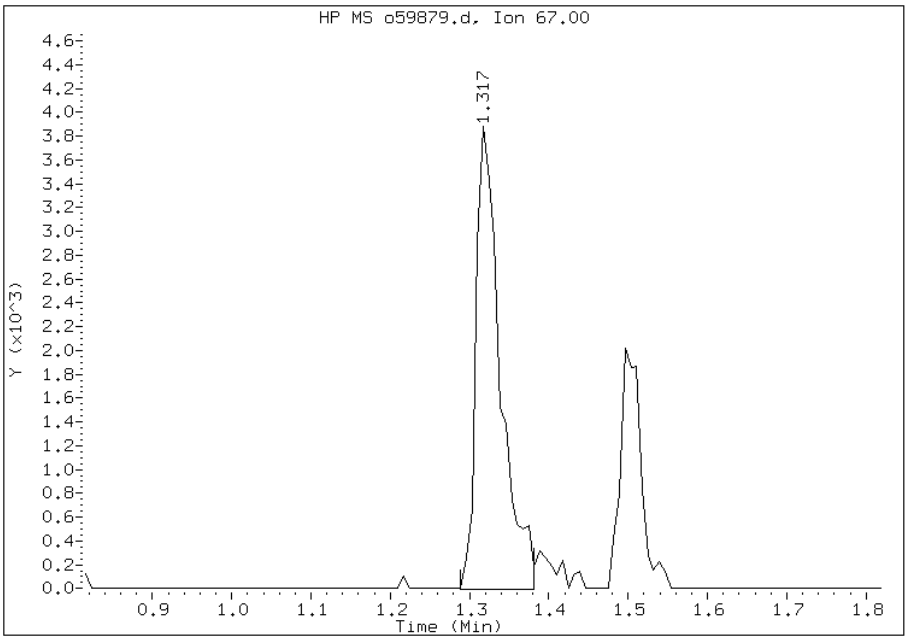
Manual Integration Results

RT: 1.32

Response: 8408

Amount: 1

Conc: 1



Manually Integrated By: vibha
Manual Integration Reason: Analyte not Identified by the Data System

Data File: /chem/VOAMS12.i/8260L_10/05-03-12/03may12a.b/o59880.d
Report Date: 04-May-2012 14:07

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS12.i/8260L_10/05-03-12/03may12a.b/o59880.d
Lab Smp Id: IC-VMCAL2
Inj Date : 03-MAY-2012 19:22
Operator : VOAMS 9 Inst ID: VOAMS12.i
Smp Info : IC-VMCAL2
Misc Info :
Comment :
Method : /chem/VOAMS12.i/8260L_10/05-03-12/03may12a.b/8260L_10.m
Meth Date : 04-May-2012 14:07 vibha Quant Type: ISTD
Cal Date : 03-MAY-2012 19:22 Cal File: o59880.d
Als bottle: 4 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	5.00000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
M 14	1,2-Dichloroethene (total)	100				37736	10.0000	11
90	Dichlorodifluoromethane	85	0.866	0.866	(0.233)	14656	5.00000	4.4
1	Chloromethane	50	0.973	0.988	(0.262)	20040	5.00000	5.3
4	Vinyl Chloride	62	1.009	1.009	(0.272)	19820	5.00000	4.8
3	Bromomethane	94	1.160	1.167	(0.313)	12885	5.00000	5.2
5	Chloroethane	64	1.210	1.217	(0.326)	11344	5.00000	5.1
9	Trichlorofluoromethane	101	1.339	1.339	(0.361)	26704	5.00000	4.7
46	Ethyl Ether	59	1.496	1.496	(0.403)	11650	5.00000	5.3
119	Isoprene	67	1.504	1.503	(0.405)	18250	5.00000	4.4
47	Acrolein	56	1.568	1.568	(0.423)	91986	200.000	210
10	1,1-Dichloroethene	96	1.611	1.611	(0.434)	14317	5.00000	5.1
48	Freon TF	101	1.611	1.611	(0.434)	14931	5.00000	4.6
7	Acetone	43	1.661	1.661	(0.448)	25398	15.0000	38
142	Iodomethane	142	1.704	1.704	(0.459)	21009	5.00000	5.4

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Report Date: 04-May-2012 14:07

		QUANT SIG					AMOUNTS	
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
8	Carbon Disulfide	76	1.733	1.733	(0.467)	51122	5.00000	5.2
50	Acetonitrile	41	1.819	1.819	(0.490)	41333	100.000	130
125	Methyl acetate	74	1.840	1.847	(0.496)	2704	5.00000	5.7
6	Methylene Chloride	84	1.898	1.897	(0.511)	19001	5.00000	5.6
51	TBA	59	1.998	1.990	(0.539)	25626	100.000	94
52	Acrylonitrile	53	2.055	2.055	(0.554)	106228	100.000	110
12	trans-1,2-Dichloroethene	96	2.055	2.062	(0.554)	17437	5.00000	5.0
53	MTBE	73	2.069	2.062	(0.558)	33769	5.00000	4.8
54	Hexane	56	2.227	2.227	(0.600)	10388	5.00000	4.6
11	1,1-Dichloroethane	63	2.334	2.334	(0.629)	34436	5.00000	5.5
57	Vinyl Acetate	43	2.385	2.384	(0.643)	36791	5.00000	4.5
55	DIPE	45	2.385	2.392	(0.643)	44182	5.00000	4.9
149	tert-Butyl ethyl ether	59	2.650	2.649	(0.714)	36894	5.00000	4.6
157	Dichlorofluoromethane	67	1.317	1.317	(0.355)	33824	5.00000	4.6(M)
104	2,2-Dichloropropane	77	2.736	2.743	(0.737)	25448	5.00000	5.3
13	cis-1,2-Dichloroethene	96	2.743	2.750	(0.739)	20299	5.00000	5.6
18	2-Butanone	72	2.779	2.778	(0.749)	8307	15.0000	27
56	Ethyl Acetate	70	2.829	2.829	(0.762)	1554	10.0000	6.6
108	Bromochloromethane	128	2.929	2.929	(0.790)	8229	5.00000	5.6
15	Chloroform	83	3.001	3.000	(0.809)	29075	5.00000	5.3
20	1,1,1-Trichloroethane	97	3.130	3.129	(0.844)	22409	5.00000	4.6
59	Cyclohexane	56	3.165	3.165	(0.853)	24945	5.00000	4.6
21	Carbon Tetrachloride	117	3.258	3.265	(0.878)	18828	5.00000	4.6
92	1,1-Dichloropropene	75	3.266	3.273	(0.880)	19655	5.00000	4.4
$ 16	1,2-Dichloroethane-d4 (SUR)	65	3.409	3.409	(0.919)	91105	50.0000	54
28	Benzene	78	3.445	3.452	(0.929)	58274	5.00000	4.7
17	1,2-Dichloroethane	62	3.473	3.480	(0.936)	17839	5.00000	5.1
61	Isopropyl Acetate	43	3.566	3.566	(0.961)	39316	10.0000	8.6
140	tert-Amylmethyl Ether	73	3.566	3.566	(0.961)	28645	5.00000	4.7
* 69	Fluorobenzene	96	3.710	3.710	(1.000)	413389	50.0000	
25	Trichloroethene	95	4.054	4.053	(1.093)	13087	5.00000	4.3
126	Methyl cyclohexane	83	4.226	4.225	(1.139)	22870	5.00000	4.3
23	1,2-Dichloropropane	63	4.283	4.283	(1.154)	14629	5.00000	5.1
109	Dibromomethane	93	4.397	4.404	(1.185)	9390	5.00000	5.6
95	1,4-Dioxane	88	4.455	4.462	(1.201)	3597	100.000	100
146	Methyl methacrylate	69	4.455	4.455	(1.201)	7008	5.00000	5.0
64	Propyl Acetate	43	4.541	4.540	(1.224)	24893	10.0000	8.7
22	Bromodichloromethane	83	4.591	4.591	(1.238)	17129	5.00000	4.6
30	2-Chloroethyl Vinyl Ether	63	4.963	4.963	(1.338)	5720	5.00000	4.1
118	Epichlorohydrin	57	5.013	5.013	(1.351)	23079	100.000	97
24	cis-1,3-Dichloropropene	75	5.092	5.092	(1.373)	18584	5.00000	4.3
33	4-Methyl-2-Pentanone	43	5.314	5.314	(1.433)	54926	15.0000	24
$ 37	Toluene-d8 (SUR)	98	5.386	5.393	(0.740)	350466	50.0000	53
38	Toluene	91	5.465	5.472	(0.751)	64251	5.00000	4.8
29	trans-1,3-Dichloropropene	75	5.794	5.794	(0.796)	15164	5.00000	3.4
27	1,1,2-Trichloroethane	83	6.009	6.009	(0.826)	8610	5.00000	4.5
35	Tetrachloroethene	166	6.138	6.138	(0.843)	18028	5.00000	4.8

Data File: /chem/VOAMS12.i/8260L_10/05-03-12/03may12a.b/o59880.d
Report Date: 04-May-2012 14:07

							AMOUNTS	
		QUANT SIG					CAL-AMT	ON-COL
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
	103 1,3-Dichloropropane	76	6.217	6.217	(0.854)	20524	5.00000	4.9
	34 2-Hexanone	43	6.389	6.396	(0.878)	41913	15.0000	25
	26 Dibromochloromethane	129	6.496	6.496	(0.893)	12003	5.00000	4.3
	65 Butyl Acetate	43	6.611	6.611	(0.908)	29694	10.0000	8.8
	66 1,2-Dibromoethane	107	6.611	6.611	(0.908)	10084	5.00000	4.3
*	32 Chlorobenzene-d5	117	7.277	7.277	(1.000)	324014	50.0000	
	39 Chlorobenzene	112	7.313	7.313	(1.005)	44767	5.00000	4.9
	97 1,1,1,2-Tetrachloroethane	131	7.463	7.463	(1.026)	12620	5.00000	4.3
	40 Ethylbenzene	106	7.513	7.513	(1.032)	24971	5.00000	5.1
	43 m+p-Xylene	106	7.692	7.692	(1.057)	62530	10.0000	10
	44 o-Xylene	106	8.265	8.272	(1.136)	28325	5.00000	4.9
	42 Styrene	104	8.308	8.308	(1.142)	46918	5.00000	4.8
	147 Butyl Acrylate	55	8.380	8.380	(0.766)	19103	5.00000	4.2
	31 Bromoform	173	8.538	8.545	(1.173)	8065	5.00000	4.3
	145 Amyl Acetate	43	8.767	8.767	(1.205)	11574	5.00000	4.8
	110 Isopropylbenzene	105	8.874	8.874	(1.220)	84475	5.00000	5.2
$	41 Bromofluorobenzene (SUR)	174	9.075	9.075	(0.830)	147446	50.0000	54
	150 Camphene	41	9.197	9.196	(0.841)	6490	5.00000	4.6
	107 Bromobenzene	156	9.254	9.254	(0.846)	21827	5.00000	5.2
	36 1,1,2,2-Tetrachloroethane	83	9.412	9.411	(0.860)	17327	5.00000	5.0
	99 1,2,3-Trichloropropane	110	9.419	9.426	(0.861)	4778	5.00000	4.8
	143 trans-1,4-Dichloro-2-butene	53	9.497	9.504	(2.560)	4344	5.00000	4.9
	112 n-Propylbenzene	91	9.526	9.526	(0.871)	103020	5.00000	4.9
	105 2-Chlorotoluene	91	9.598	9.598	(0.878)	59385	5.00000	5.1
	106 4-Chlorotoluene	91	9.791	9.791	(0.895)	60309	5.00000	5.0
	102 1,3,5-Trimethylbenzene	105	9.841	9.841	(0.900)	69322	5.00000	4.9
	148 Butyl methacrylate	69	10.142	10.142	(0.927)	19918	5.00000	4.0
	115 tert-Butylbenzene	119	10.350	10.350	(0.946)	62310	5.00000	4.8
	100 1,2,4-Trimethylbenzene	105	10.436	10.436	(0.954)	71467	5.00000	4.9
	114 sec-Butylbenzene	105	10.715	10.715	(0.980)	90881	5.00000	4.6
	67 1,3-Dichlorobenzene	146	10.815	10.815	(0.989)	43863	5.00000	5.1
*	91 1,4-Dichlorobenzene-d4	152	10.937	10.944	(1.000)	200853	50.0000	
	68 1,4-Dichlorobenzene	146	10.973	10.980	(1.003)	43289	5.00000	5.0
	113 p-Isopropyltoluene	119	11.002	11.002	(1.006)	79866	5.00000	4.7
	69 1,2-Dichlorobenzene	146	11.517	11.517	(1.053)	41275	5.00000	5.2
	117 Benzyl chloride	91	11.238	11.238	(1.028)	26771	5.00000	4.4
	111 n-Butylbenzene	91	11.611	11.610	(1.062)	78996	5.00000	4.9
	101 1,2-Dibromo-3-chloropropane	75	12.477	12.484	(1.141)	2715	5.00000	4.0
	152 Camphor	95	13.194	13.193	(1.206)	7331	25.0000	17
	93 1,2,4-Trichlorobenzene	180	13.272	13.279	(1.214)	35444	5.00000	5.4
	94 Hexachlorobutadiene	225	13.451	13.451	(1.230)	19542	5.00000	4.7
	70 Naphthalene	128	13.480	13.480	(1.232)	58449	5.00000	4.8
	98 1,2,3-Trichlorobenzene	180	13.688	13.688	(1.251)	30780	5.00000	5.2
M	45 Xylene (Total)	100				90855	15.0000	15

Data File: /chem/VOAMS12.i/8260L_10/05-03-12/03may12a.b/o59880.d
Report Date: 04-May-2012 14:07

QC Flag Legend

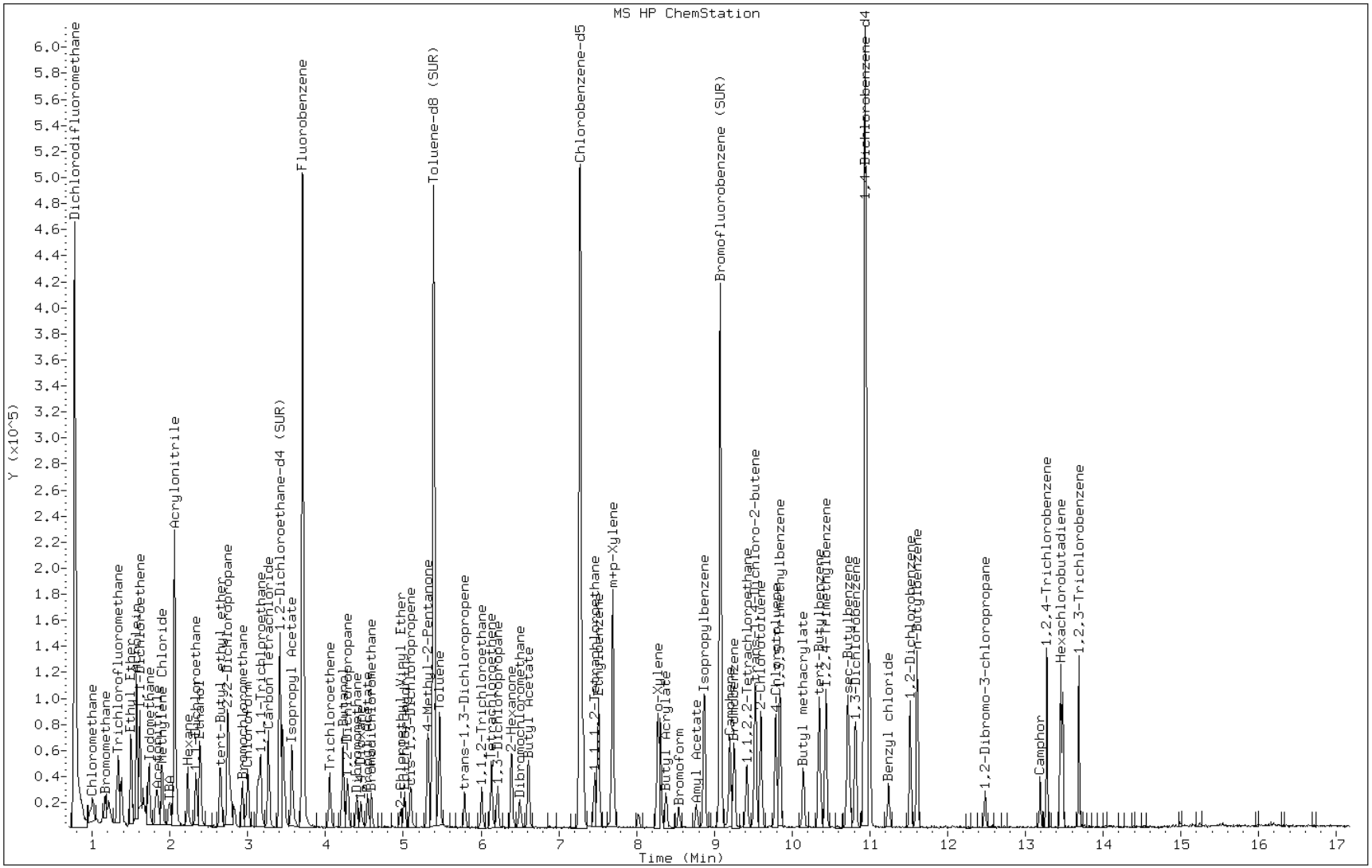
M - Compound response manually integrated.

Data File: o59880.d

Date: 03-MAY-2012 19:22

Client ID: Instrument: VOAMS12.i

Sample Info: IC-VMCAL2 Operator: VOAMS 9



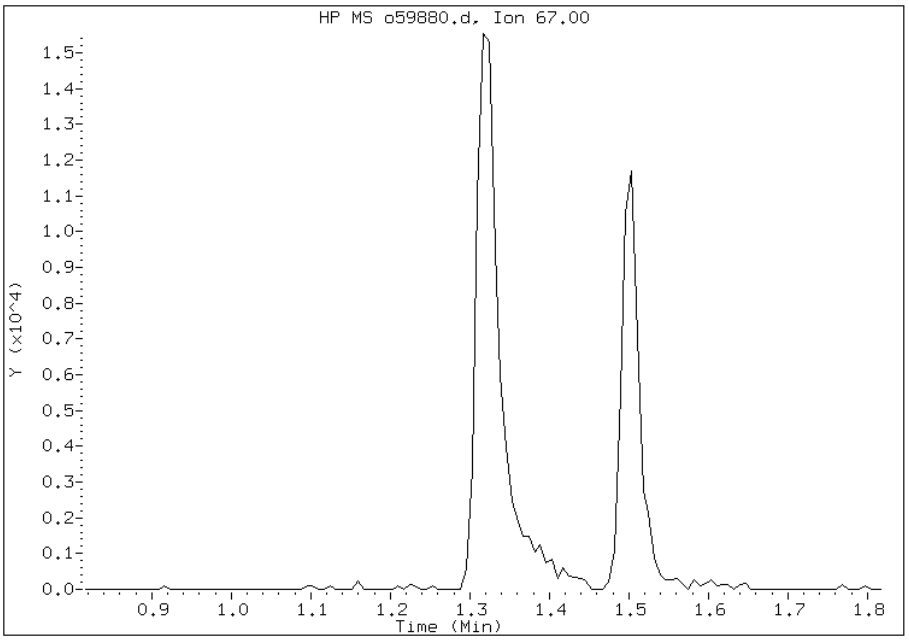
Manual Integration Report

Data File: o59880.d
Inj. Date and Time: 03-MAY-2012 19:22
Instrument ID: VOAMS12.i
Client ID:
Compound: 157 Dichlorofluoromethane
CAS #: 75-43-4
Report Date: 05/04/2012

Processing Integration Results

Not Detected

Expected RT: 1.32



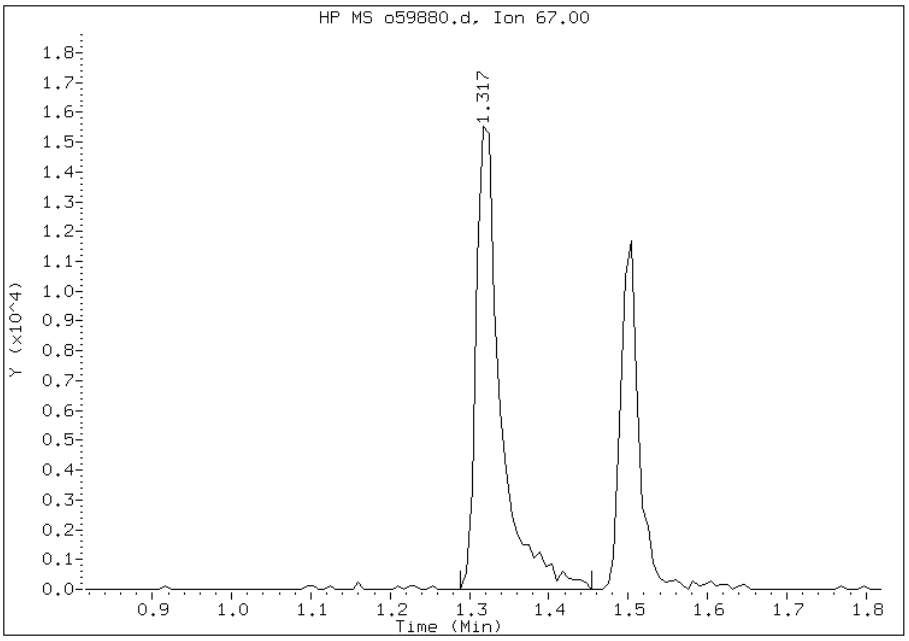
Manual Integration Results

RT: 1.32

Response: 33824

Amount: 5

Conc: 5



Manually Integrated By: vibha
Manual Integration Reason: Analyte not Identified by the Data System

Data File: /chem/VOAMS12.i/8260L_10/05-03-12/03may12a.b/o59881.d
Report Date: 04-May-2012 14:06

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS12.i/8260L_10/05-03-12/03may12a.b/o59881.d
Lab Smp Id: ICIS-VMCAL3
Inj Date : 03-MAY-2012 19:47
Operator : VOAMS 9 Inst ID: VOAMS12.i
Smp Info : ICIS-VMCAL3
Misc Info :
Comment :
Method : /chem/VOAMS12.i/8260L_10/05-03-12/03may12a.b/8260L_10.m
Meth Date : 04-May-2012 14:06 vibha Quant Type: ISTD
Cal Date : 03-MAY-2012 19:47 Cal File: o59881.d
Als bottle: 5 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	5.00000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
M 14 1,2-Dichloroethene (total)	100				166495	40.0000	40
90 Dichlorodifluoromethane	85	0.866	0.866	(0.233)	70506	20.0000	18
1 Chloromethane	50	0.988	0.988	(0.266)	78977	20.0000	18
4 Vinyl Chloride	62	1.009	1.009	(0.272)	88142	20.0000	18
3 Bromomethane	94	1.167	1.167	(0.314)	48535	20.0000	16
5 Chloroethane	64	1.217	1.217	(0.328)	50072	20.0000	19
9 Trichlorofluoromethane	101	1.339	1.339	(0.361)	124244	20.0000	18
46 Ethyl Ether	59	1.496	1.496	(0.403)	53566	20.0000	21
119 Isoprene	67	1.503	1.503	(0.405)	104649	20.0000	22
47 Acrolein	56	1.568	1.568	(0.423)	141646	300.000	270
10 1,1-Dichloroethene	96	1.611	1.611	(0.434)	65874	20.0000	20
48 Freon TF	101	1.611	1.611	(0.434)	81352	20.0000	21
7 Acetone	43	1.661	1.661	(0.448)	34478	20.0000	43
142 Iodomethane	142	1.704	1.704	(0.459)	107759	20.0000	24

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Report Date: 04-May-2012 14:06

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
8	Carbon Disulfide	76	1.733	1.733	(0.467)	238201	20.0000	20
50	Acetonitrile	41	1.819	1.819	(0.490)	159662	400.000	430
125	Methyl acetate	74	1.847	1.847	(0.498)	10363	20.0000	19
6	Methylene Chloride	84	1.897	1.897	(0.511)	77908	20.0000	20
51	TBA	59	1.990	1.990	(0.537)	125423	400.000	390
52	Acrylonitrile	53	2.055	2.055	(0.554)	155298	150.000	130
12	trans-1,2-Dichloroethene	96	2.062	2.062	(0.556)	83242	20.0000	20
53	MTBE	73	2.062	2.062	(0.556)	163204	20.0000	20
54	Hexane	56	2.227	2.227	(0.600)	66112	20.0000	25
11	1,1-Dichloroethane	63	2.334	2.334	(0.629)	142374	20.0000	19
57	Vinyl Acetate	43	2.384	2.384	(0.643)	188710	20.0000	19
55	DIPE	45	2.392	2.392	(0.645)	212201	20.0000	20
149	tert-Butyl ethyl ether	59	2.649	2.649	(0.714)	194300	20.0000	20
157	Dichlorofluoromethane	67	1.317	1.317	(0.355)	132295	20.0000	20(M)
104	2,2-Dichloropropane	77	2.743	2.743	(0.739)	107965	20.0000	19
13	cis-1,2-Dichloroethene	96	2.750	2.750	(0.741)	83253	20.0000	19
18	2-Butanone	72	2.778	2.778	(0.749)	11831	20.0000	32
56	Ethyl Acetate	70	2.829	2.829	(0.762)	8259	40.0000	30
108	Bromochloromethane	128	2.929	2.929	(0.790)	34344	20.0000	20
15	Chloroform	83	3.000	3.000	(0.809)	125383	20.0000	19
20	1,1,1-Trichloroethane	97	3.129	3.129	(0.844)	114697	20.0000	20
59	Cyclohexane	56	3.165	3.165	(0.853)	139341	20.0000	22
21	Carbon Tetrachloride	117	3.265	3.265	(0.880)	93227	20.0000	19
92	1,1-Dichloropropene	75	3.273	3.273	(0.882)	107329	20.0000	20
$ 16	1,2-Dichloroethane-d4 (SUR)	65	3.409	3.409	(0.919)	81062	50.0000	40
28	Benzene	78	3.452	3.452	(0.930)	284548	20.0000	19
17	1,2-Dichloroethane	62	3.480	3.480	(0.938)	79271	20.0000	19
61	Isopropyl Acetate	43	3.566	3.566	(0.961)	204737	40.0000	38
140	tert-Amylmethyl Ether	73	3.566	3.566	(0.961)	146400	20.0000	20
* 69	Fluorobenzene	96	3.710	3.710	(1.000)	488779	50.0000	
25	Trichloroethene	95	4.053	4.053	(1.093)	70839	20.0000	20
126	Methyl cyclohexane	83	4.225	4.225	(1.139)	132865	20.0000	21
23	1,2-Dichloropropane	63	4.283	4.283	(1.154)	65972	20.0000	19
109	Dibromomethane	93	4.404	4.404	(1.187)	36078	20.0000	18
95	1,4-Dioxane	88	4.462	4.462	(1.203)	5525	150.000	140
146	Methyl methacrylate	69	4.455	4.455	(1.201)	31220	20.0000	19
64	Propyl Acetate	43	4.540	4.540	(1.224)	124459	40.0000	37
22	Bromodichloromethane	83	4.591	4.591	(1.238)	84486	20.0000	19
30	2-Chloroethyl Vinyl Ether	63	4.963	4.963	(1.338)	31271	20.0000	19
118	Epichlorohydrin	57	5.013	5.013	(1.351)	104406	400.000	370
24	cis-1,3-Dichloropropene	75	5.092	5.092	(1.373)	98983	20.0000	19
33	4-Methyl-2-Pentanone	43	5.314	5.314	(1.433)	93683	20.0000	35
$ 37	Toluene-d8 (SUR)	98	5.393	5.393	(0.741)	306187	50.0000	42
38	Toluene	91	5.472	5.472	(0.752)	302372	20.0000	20
29	trans-1,3-Dichloropropene	75	5.794	5.794	(0.796)	82085	20.0000	16
27	1,1,2-Trichloroethane	83	6.009	6.009	(0.826)	42071	20.0000	20
35	Tetrachloroethene	166	6.138	6.138	(0.843)	82509	20.0000	20

Data File: /chem/VOAMS12.i/8260L_10/05-03-12/03may12a.b/o59881.d
Report Date: 04-May-2012 14:06

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	103 1,3-Dichloropropane	76	6.217	6.217	(0.854)	87083	20.0000	19
	34 2-Hexanone	43	6.396	6.396	(0.879)	72635	20.0000	40
	26 Dibromochloromethane	129	6.496	6.496	(0.893)	60819	20.0000	20
	65 Butyl Acetate	43	6.611	6.611	(0.908)	151540	40.0000	40
	66 1,2-Dibromoethane	107	6.611	6.611	(0.908)	53270	20.0000	20
*	32 Chlorobenzene-d5	117	7.277	7.277	(1.000)	361038	50.0000	
	39 Chlorobenzene	112	7.313	7.313	(1.005)	195448	20.0000	19
	97 1,1,1,2-Tetrachloroethane	131	7.463	7.463	(1.026)	60725	20.0000	19
	40 Ethylbenzene	106	7.513	7.513	(1.032)	106372	20.0000	19
	43 m+p-Xylene	106	7.692	7.692	(1.057)	257952	40.0000	38
	44 o-Xylene	106	8.272	8.272	(1.137)	133601	20.0000	21
	42 Styrene	104	8.308	8.308	(1.142)	225771	20.0000	21
	147 Butyl Acrylate	55	8.380	8.380	(0.766)	101058	20.0000	20
	31 Bromoform	173	8.545	8.545	(1.174)	37856	20.0000	18
	145 Amyl Acetate	43	8.767	8.767	(1.205)	56167	20.0000	21
	110 Isopropylbenzene	105	8.874	8.874	(1.220)	378587	20.0000	21
$	41 Bromofluorobenzene (SUR)	174	9.075	9.075	(0.829)	118859	50.0000	39
	150 Camphene	41	9.196	9.196	(0.840)	33927	20.0000	21
	107 Bromobenzene	156	9.254	9.254	(0.846)	89309	20.0000	19
	36 1,1,2,2-Tetrachloroethane	83	9.411	9.411	(0.860)	72284	20.0000	19
	99 1,2,3-Trichloropropane	110	9.426	9.426	(0.861)	20375	20.0000	18
	143 trans-1,4-Dichloro-2-butene	53	9.504	9.504	(2.562)	19281	20.0000	18
	112 n-Propylbenzene	91	9.526	9.526	(0.870)	466311	20.0000	20
	105 2-Chlorotoluene	91	9.598	9.598	(0.877)	250977	20.0000	19
	106 4-Chlorotoluene	91	9.791	9.791	(0.895)	263556	20.0000	19
	102 1,3,5-Trimethylbenzene	105	9.841	9.841	(0.899)	313650	20.0000	20
	148 Butyl methacrylate	69	10.142	10.142	(0.927)	95138	20.0000	17
	115 tert-Butylbenzene	119	10.350	10.350	(0.946)	282067	20.0000	19
	100 1,2,4-Trimethylbenzene	105	10.436	10.436	(0.954)	330262	20.0000	20
	114 sec-Butylbenzene	105	10.715	10.715	(0.979)	455083	20.0000	20
	67 1,3-Dichlorobenzene	146	10.815	10.815	(0.988)	188658	20.0000	19
*	91 1,4-Dichlorobenzene-d4	152	10.944	10.944	(1.000)	226275	50.0000	
	68 1,4-Dichlorobenzene	146	10.980	10.980	(1.003)	190317	20.0000	20
	113 p-Isopropyltoluene	119	11.002	11.002	(1.005)	379277	20.0000	20
	69 1,2-Dichlorobenzene	146	11.517	11.517	(1.052)	169408	20.0000	19
	117 Benzyl chloride	91	11.238	11.238	(1.027)	128566	20.0000	19
	111 n-Butylbenzene	91	11.610	11.610	(1.061)	353739	20.0000	20
	101 1,2-Dibromo-3-chloropropane	75	12.484	12.484	(1.141)	12808	20.0000	16
	152 Camphor	95	13.193	13.193	(1.206)	40583	100.000	86
	93 1,2,4-Trichlorobenzene	180	13.279	13.279	(1.213)	139819	20.0000	19
	94 Hexachlorobutadiene	225	13.451	13.451	(1.229)	88382	20.0000	19
	70 Naphthalene	128	13.480	13.480	(1.232)	261108	20.0000	19
	98 1,2,3-Trichlorobenzene	180	13.688	13.688	(1.251)	122097	20.0000	18
M	45 Xylene (Total)	100				391553	60.0000	59

Data File: /chem/VOAMS12.i/8260L_10/05-03-12/03may12a.b/o59881.d
Report Date: 04-May-2012 14:06

QC Flag Legend

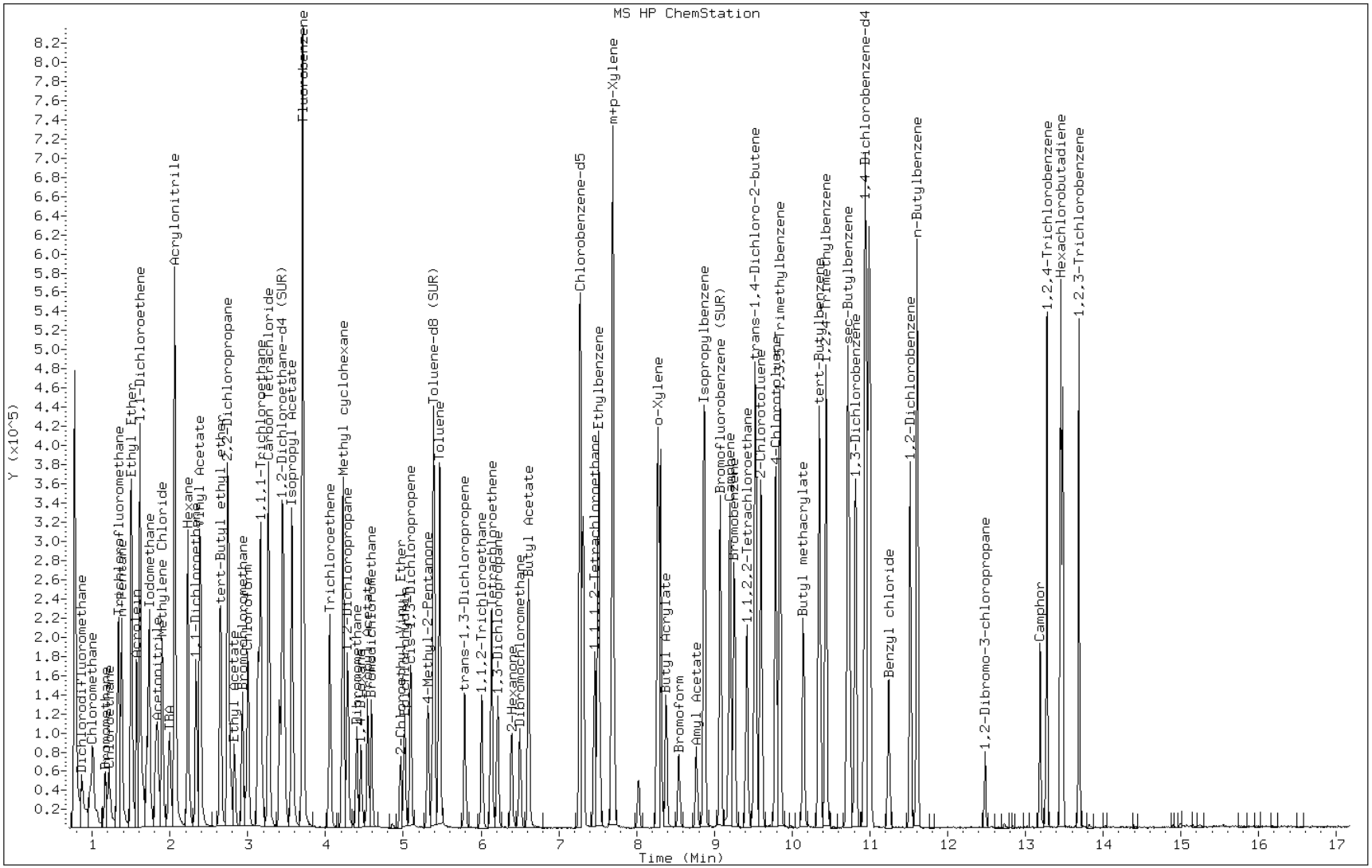
M - Compound response manually integrated.

Data File: o59881.d

Date: 03-MAY-2012 19:47

Client ID: Instrument: VOAMS12.i

Sample Info: ICIS-VMCAL3 Operator: VOAMS 9



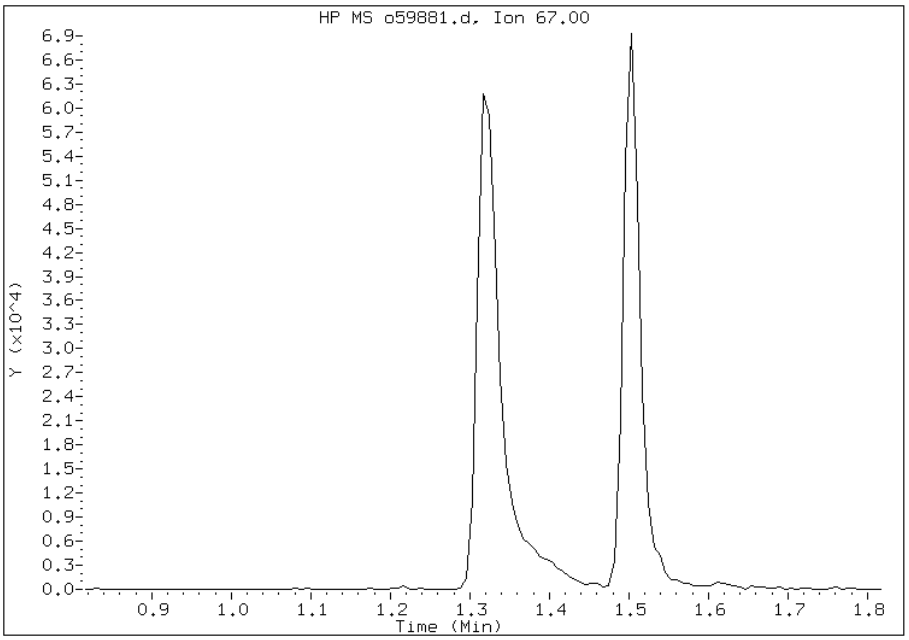
Manual Integration Report

Data File: o59881.d
Inj. Date and Time: 03-MAY-2012 19:47
Instrument ID: VOAMS12.i
Client ID:
Compound: 157 Dichlorofluoromethane
CAS #: 75-43-4
Report Date: 05/04/2012

Processing Integration Results

Not Detected

Expected RT: 1.32



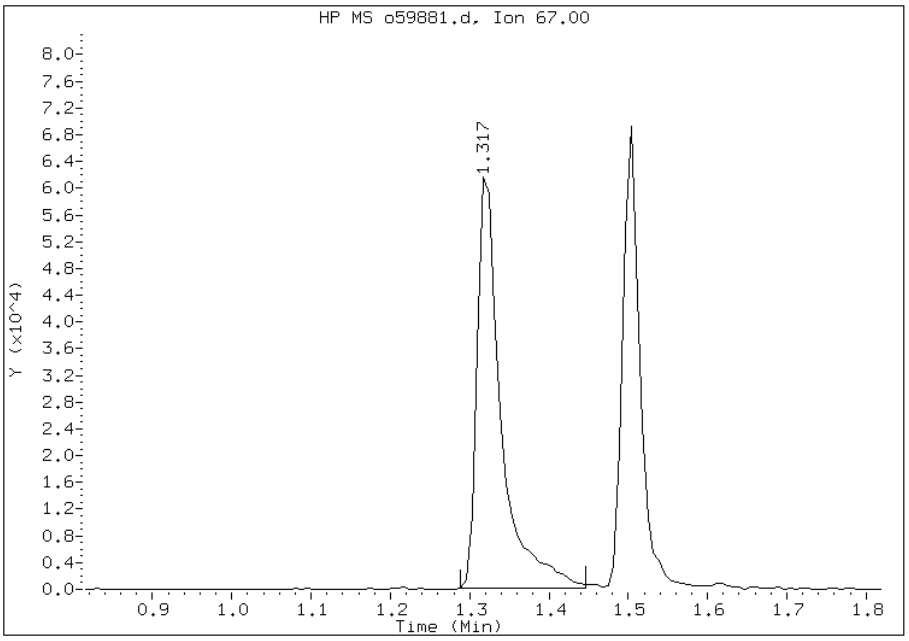
Manual Integration Results

RT: 1.32

Response: 132295

Amount: 20

Conc: 20



Manually Integrated By: vibha
Manual Integration Reason: Analyte not Identified by the Data System

Data File: /chem/VOAMS12.i/8260L_10/05-03-12/03may12a.b/o59882.d
Report Date: 04-May-2012 14:07

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS12.i/8260L_10/05-03-12/03may12a.b/o59882.d
Lab Smp Id: IC-VMCAL4
Inj Date : 03-MAY-2012 20:12
Operator : VOAMS 9 Inst ID: VOAMS12.i
Smp Info : IC-VMCAL4
Misc Info :
Comment :
Method : /chem/VOAMS12.i/8260L_10/05-03-12/03may12a.b/8260L_10.m
Meth Date : 04-May-2012 14:07 vibha Quant Type: ISTD
Cal Date : 03-MAY-2012 20:12 Cal File: o59882.d
Als bottle: 6 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	5.00000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
M 14 1,2-Dichloroethene (total)	100				369489	100.000	100
90 Dichlorodifluoromethane	85	0.866	0.866	(0.233)	172652	50.0000	51
1 Chloromethane	50	0.988	0.988	(0.266)	179875	50.0000	47
4 Vinyl Chloride	62	1.009	1.009	(0.272)	208688	50.0000	50
3 Bromomethane	94	1.167	1.167	(0.315)	111259	50.0000	44
5 Chloroethane	64	1.217	1.217	(0.328)	116430	50.0000	52
9 Trichlorofluoromethane	101	1.339	1.339	(0.361)	298203	50.0000	52
46 Ethyl Ether	59	1.496	1.496	(0.403)	118040	50.0000	54
119 Isoprene	67	1.504	1.503	(0.405)	256987	50.0000	62
47 Acrolein	56	1.568	1.568	(0.423)	187189	400.000	420
10 1,1-Dichloroethene	96	1.611	1.611	(0.434)	156454	50.0000	55
48 Freon TF	101	1.611	1.611	(0.434)	191361	50.0000	59
7 Acetone	43	1.661	1.661	(0.448)	58676	50.0000	87
142 Iodomethane	142	1.704	1.704	(0.459)	249267	50.0000	64

Data File: /chem/VOAMS12.i/8260L_10/05-03-12/03may12a.b/o59882.d
Report Date: 04-May-2012 14:07

		QUANT SIG					AMOUNTS	
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
8	Carbon Disulfide	76	1.733	1.733	(0.467)	547092	50.0000	55
50	Acetonitrile	41	1.826	1.819	(0.492)	368389	1000.00	1200
125	Methyl acetate	74	1.840	1.847	(0.496)	25610	50.0000	54
6	Methylene Chloride	84	1.898	1.897	(0.511)	167786	50.0000	49
51	TBA	59	1.998	1.990	(0.539)	293472	1000.00	1100
52	Acrylonitrile	53	2.055	2.055	(0.554)	202313	200.000	200
12	trans-1,2-Dichloroethene	96	2.055	2.062	(0.554)	184128	50.0000	53
53	MTBE	73	2.070	2.062	(0.558)	378520	50.0000	54
54	Hexane	56	2.227	2.227	(0.600)	163545	50.0000	72
11	1,1-Dichloroethane	63	2.335	2.334	(0.629)	316236	50.0000	50
57	Vinyl Acetate	43	2.385	2.384	(0.643)	445021	50.0000	54
55	DIPE	45	2.392	2.392	(0.645)	478714	50.0000	53
149	tert-Butyl ethyl ether	59	2.650	2.649	(0.714)	441502	50.0000	54
157	Dichlorofluoromethane	67	1.317	1.317	(0.355)	310660	50.0000	43(M)
104	2,2-Dichloropropane	77	2.743	2.743	(0.739)	261712	50.0000	54
13	cis-1,2-Dichloroethene	96	2.750	2.750	(0.741)	185361	50.0000	51
18	2-Butanone	72	2.779	2.778	(0.749)	24723	50.0000	79
56	Ethyl Acetate	70	2.829	2.829	(0.762)	23307	100.000	99
108	Bromochloromethane	128	2.936	2.929	(0.791)	75294	50.0000	51
15	Chloroform	83	3.001	3.000	(0.809)	283159	50.0000	52
20	1,1,1-Trichloroethane	97	3.137	3.129	(0.846)	271114	50.0000	56
59	Cyclohexane	56	3.165	3.165	(0.853)	326484	50.0000	59
21	Carbon Tetrachloride	117	3.266	3.265	(0.880)	230314	50.0000	56
92	1,1-Dichloropropene	75	3.273	3.273	(0.882)	264283	50.0000	58
$ 16	1,2-Dichloroethane-d4 (SUR)	65	3.409	3.409	(0.919)	89685	50.0000	52
28	Benzene	78	3.452	3.452	(0.930)	656970	50.0000	53
17	1,2-Dichloroethane	62	3.481	3.480	(0.938)	180926	50.0000	52
61	Isopropyl Acetate	43	3.567	3.566	(0.961)	492876	100.000	110
140	tert-Amylmethyl Ether	73	3.574	3.566	(0.963)	328881	50.0000	53
* 69	Fluorobenzene	96	3.710	3.710	(1.000)	416222	50.0000	
25	Trichloroethene	95	4.054	4.053	(1.093)	169889	50.0000	56
126	Methyl cyclohexane	83	4.226	4.225	(1.139)	327858	50.0000	61
23	1,2-Dichloropropane	63	4.283	4.283	(1.154)	148365	50.0000	51
109	Dibromomethane	93	4.405	4.404	(1.187)	80122	50.0000	48
95	1,4-Dioxane	88	4.448	4.462	(1.199)	7486	200.000	220
146	Methyl methacrylate	69	4.455	4.455	(1.201)	72429	50.0000	52
64	Propyl Acetate	43	4.541	4.540	(1.224)	307337	100.000	110
22	Bromodichloromethane	83	4.591	4.591	(1.237)	192089	50.0000	51
30	2-Chloroethyl Vinyl Ether	63	4.963	4.963	(1.338)	75340	50.0000	54
118	Epichlorohydrin	57	5.021	5.013	(1.353)	259027	1000.00	1100
24	cis-1,3-Dichloropropene	75	5.092	5.092	(1.373)	233303	50.0000	53
33	4-Methyl-2-Pentanone	43	5.314	5.314	(1.433)	166907	50.0000	73
$ 37	Toluene-d8 (SUR)	98	5.393	5.393	(0.741)	326448	50.0000	52
38	Toluene	91	5.472	5.472	(0.752)	680892	50.0000	54
29	trans-1,3-Dichloropropene	75	5.794	5.794	(0.796)	191678	50.0000	46
27	1,1,2-Trichloroethane	83	6.009	6.009	(0.826)	95928	50.0000	54
35	Tetrachloroethene	166	6.138	6.138	(0.843)	190357	50.0000	54

Data File: /chem/VOAMS12.i/8260L_10/05-03-12/03may12a.b/o59882.d
Report Date: 04-May-2012 14:07

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
103	1,3-Dichloropropane	76	6.217	6.217	(0.854)	207031	50.0000	53
34	2-Hexanone	43	6.396	6.396	(0.879)	124031	50.0000	80
26	Dibromochloromethane	129	6.496	6.496	(0.893)	144190	50.0000	55
65	Butyl Acetate	43	6.611	6.611	(0.908)	349385	100.000	110
66	1,2-Dibromoethane	107	6.611	6.611	(0.908)	123358	50.0000	56
* 32	Chlorobenzene-d5	117	7.277	7.277	(1.000)	304591	50.0000	
39	Chlorobenzene	112	7.313	7.313	(1.005)	439985	50.0000	51
97	1,1,1,2-Tetrachloroethane	131	7.463	7.463	(1.026)	146180	50.0000	53
40	Ethylbenzene	106	7.513	7.513	(1.032)	236468	50.0000	51
43	m+p-Xylene	106	7.692	7.692	(1.057)	594295	100.000	100
44	o-Xylene	106	8.273	8.272	(1.137)	281683	50.0000	52
42	Styrene	104	8.309	8.308	(1.142)	477528	50.0000	52
147	Butyl Acrylate	55	8.380	8.380	(0.766)	218468	50.0000	52
31	Bromoform	173	8.545	8.545	(1.174)	90859	50.0000	51
145	Amyl Acetate	43	8.767	8.767	(1.205)	116844	50.0000	52
110	Isopropylbenzene	105	8.874	8.874	(1.220)	809830	50.0000	53
$ 41	Bromofluorobenzene (SUR)	174	9.075	9.075	(0.829)	126683	50.0000	50
150	Camphene	41	9.197	9.196	(0.840)	73679	50.0000	56
107	Bromobenzene	156	9.254	9.254	(0.846)	197984	50.0000	51
36	1,1,2,2-Tetrachloroethane	83	9.412	9.411	(0.860)	161391	50.0000	51
99	1,2,3-Trichloropropane	110	9.426	9.426	(0.861)	46473	50.0000	51
143	trans-1,4-Dichloro-2-butene	53	9.512	9.504	(2.564)	46729	50.0000	52
112	n-Propylbenzene	91	9.526	9.526	(0.870)	1042200	50.0000	54
105	2-Chlorotoluene	91	9.598	9.598	(0.877)	552388	50.0000	51
106	4-Chlorotoluene	91	9.791	9.791	(0.895)	575930	50.0000	52
102	1,3,5-Trimethylbenzene	105	9.849	9.841	(0.900)	685174	50.0000	52
148	Butyl methacrylate	69	10.142	10.142	(0.927)	201627	50.0000	44
115	tert-Butylbenzene	119	10.350	10.350	(0.946)	657071	50.0000	54
100	1,2,4-Trimethylbenzene	105	10.436	10.436	(0.954)	689051	50.0000	51
114	sec-Butylbenzene	105	10.722	10.715	(0.980)	982186	50.0000	54
67	1,3-Dichlorobenzene	146	10.816	10.815	(0.988)	402105	50.0000	50
* 91	1,4-Dichlorobenzene-d4	152	10.944	10.944	(1.000)	185621	50.0000	
68	1,4-Dichlorobenzene	146	10.980	10.980	(1.003)	396989	50.0000	50
113	p-Isopropyltoluene	119	11.002	11.002	(1.005)	845739	50.0000	54
69	1,2-Dichlorobenzene	146	11.518	11.517	(1.052)	359816	50.0000	49
117	Benzyl chloride	91	11.245	11.238	(1.027)	288820	50.0000	52
111	n-Butylbenzene	91	11.611	11.610	(1.061)	784604	50.0000	53
101	1,2-Dibromo-3-chloropropane	75	12.485	12.484	(1.141)	28950	50.0000	46
152	Camphor	95	13.187	13.193	(1.205)	89259	250.000	230
93	1,2,4-Trichlorobenzene	180	13.280	13.279	(1.213)	294990	50.0000	49
94	Hexachlorobutadiene	225	13.459	13.451	(1.230)	197520	50.0000	52
70	Naphthalene	128	13.480	13.480	(1.232)	577075	50.0000	51
98	1,2,3-Trichlorobenzene	180	13.688	13.688	(1.251)	262366	50.0000	48
M 45	Xylene (Total)	100				875978	150.000	160

Data File: /chem/VOAMS12.i/8260L_10/05-03-12/03may12a.b/o59882.d
Report Date: 04-May-2012 14:07

QC Flag Legend

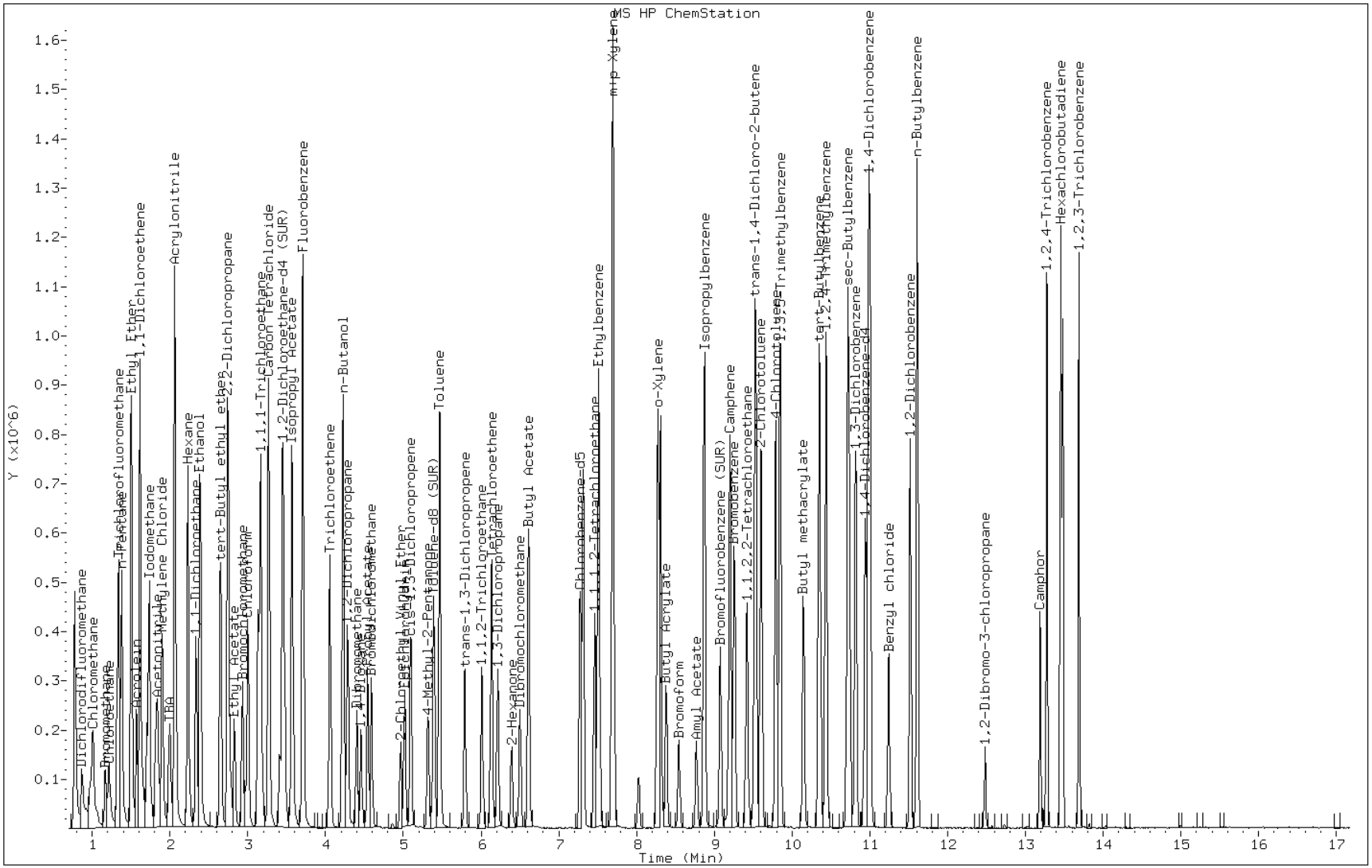
M - Compound response manually integrated.

Data File: o59882.d

Date: 03-MAY-2012 20:12

Client ID: Instrument: VOAMS12.i

Sample Info: IC-VMCAL4 Operator: VOAMS 9



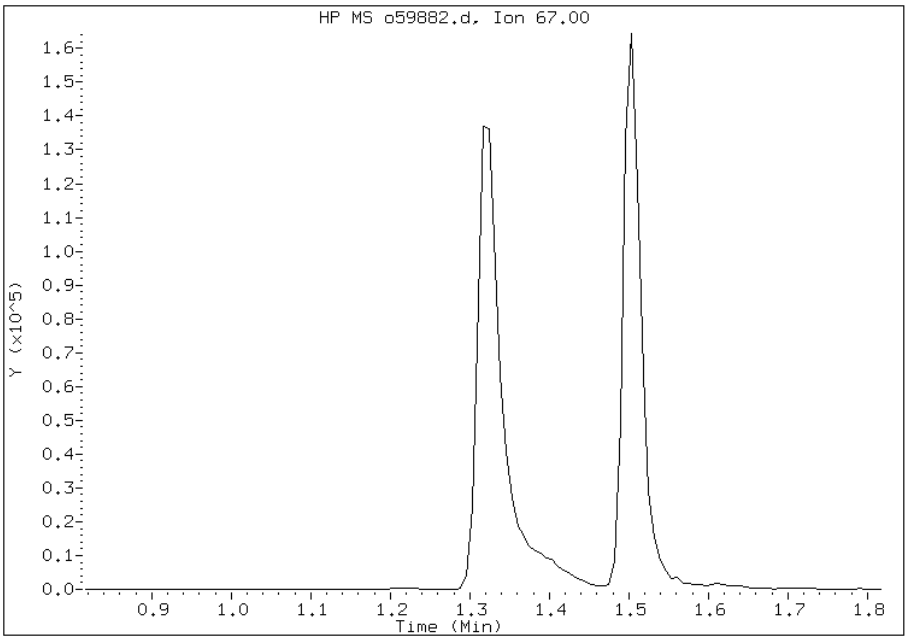
Manual Integration Report

Data File: o59882.d
Inj. Date and Time: 03-MAY-2012 20:12
Instrument ID: VOAMS12.i
Client ID:
Compound: 157 Dichlorofluoromethane
CAS #: 75-43-4
Report Date: 05/04/2012

Processing Integration Results

Not Detected

Expected RT: 1.32



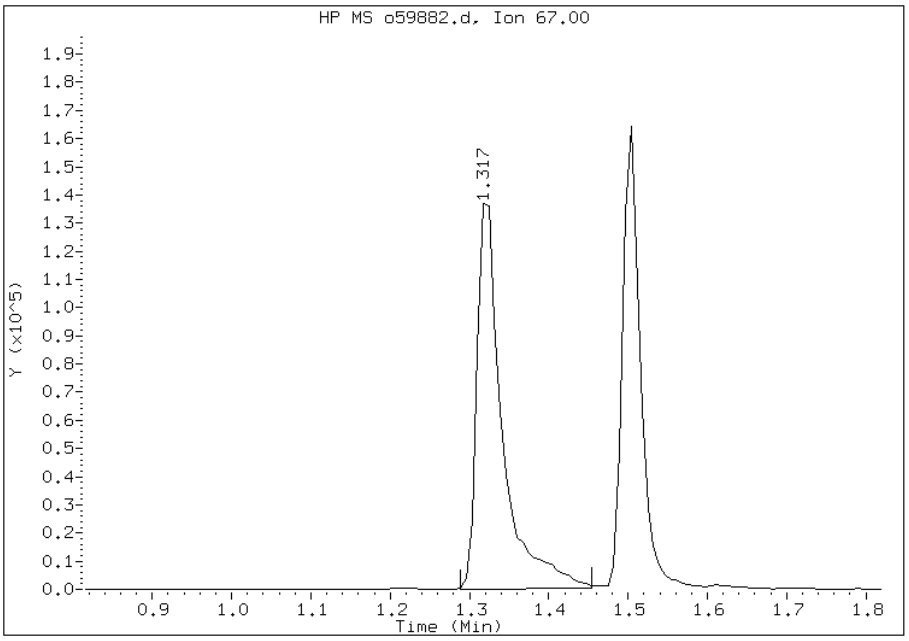
Manual Integration Results

RT: 1.32

Response: 310660

Amount: 43

Conc: 43



Manually Integrated By: vibha
Manual Integration Reason: Analyte not Identified by the Data System

Data File: /chem/VOAMS12.i/8260L_10/05-03-12/03may12a.b/o59883.d
Report Date: 04-May-2012 14:07

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS12.i/8260L_10/05-03-12/03may12a.b/o59883.d
Lab Smp Id: IC-VMCAL5
Inj Date : 03-MAY-2012 20:37
Operator : VOAMS 9 Inst ID: VOAMS12.i
Smp Info : IC-VMCAL5
Misc Info :
Comment :
Method : /chem/VOAMS12.i/8260L_10/05-03-12/03may12a.b/8260L_10.m
Meth Date : 04-May-2012 14:07 vibha Quant Type: ISTD
Cal Date : 03-MAY-2012 20:37 Cal File: o59883.d
Als bottle: 7 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	5.00000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
M 14 1,2-Dichloroethene (total)	100				1536415	400.000	350
90 Dichlorodifluoromethane	85	0.866	0.866	(0.233)	842968	200.000	200
1 Chloromethane	50	0.988	0.988	(0.266)	874000	200.000	180
4 Vinyl Chloride	62	1.009	1.009	(0.272)	997331	200.000	190
3 Bromomethane	94	1.167	1.167	(0.314)	572623	200.000	180
5 Chloroethane	64	1.217	1.217	(0.328)	535001	200.000	190
9 Trichlorofluoromethane	101	1.339	1.339	(0.361)	1328622	200.000	190
46 Ethyl Ether	59	1.496	1.496	(0.403)	477219	200.000	170
119 Isoprene	67	1.503	1.503	(0.405)	902857	200.000	180
47 Acrolein	56	1.575	1.568	(0.425)	232894	500.000	430
10 1,1-Dichloroethene	96	1.611	1.611	(0.434)	609429	200.000	170
48 Freon TF	101	1.618	1.611	(0.436)	669615	200.000	160
7 Acetone	43	1.661	1.661	(0.448)	176806	200.000	210
142 Iodomethane	142	1.704	1.704	(0.459)	936432	200.000	190

Data File: /chem/VOAMS12.i/8260L_10/05-03-12/03may12a.b/o59883.d
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	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
8	Carbon Disulfide	76	1.733	1.733	(0.467)	2115726	200.000	170
50	Acetonitrile	41	1.826	1.819	(0.492)	1384089	4000.00	3500
125	Methyl acetate	74	1.847	1.847	(0.498)	102475	200.000	170
6	Methylene Chloride	84	1.897	1.897	(0.511)	724879	200.000	170
51	TBA	59	1.998	1.990	(0.538)	1236912	4000.00	3600
52	Acrylonitrile	53	2.062	2.055	(0.556)	260136	250.000	210
12	trans-1,2-Dichloroethene	96	2.062	2.062	(0.556)	757685	200.000	170
53	MTBE	73	2.069	2.062	(0.558)	1716208	200.000	200
54	Hexane	56	2.227	2.227	(0.600)	572525	200.000	200
11	1,1-Dichloroethane	63	2.334	2.334	(0.629)	1337394	200.000	170
57	Vinyl Acetate	43	2.384	2.384	(0.643)	2006613	200.000	200
55	DIPE	45	2.392	2.392	(0.645)	2200961	200.000	200
149	tert-Butyl ethyl ether	59	2.649	2.649	(0.714)	1968304	200.000	200
157	Dichlorofluoromethane	67	1.317	1.317	(0.355)	1286925	200.000	150(M)
104	2,2-Dichloropropane	77	2.743	2.743	(0.739)	1077498	200.000	180
13	cis-1,2-Dichloroethene	96	2.750	2.750	(0.741)	778730	200.000	170
18	2-Butanone	72	2.778	2.778	(0.749)	76202	200.000	200
56	Ethyl Acetate	70	2.829	2.829	(0.762)	98574	400.000	340
108	Bromochloromethane	128	2.936	2.929	(0.791)	329267	200.000	180
15	Chloroform	83	3.008	3.000	(0.811)	1211741	200.000	180
20	1,1,1-Trichloroethane	97	3.137	3.129	(0.846)	1136097	200.000	190
59	Cyclohexane	56	3.165	3.165	(0.853)	1238710	200.000	180
21	Carbon Tetrachloride	117	3.265	3.265	(0.880)	990558	200.000	190
92	1,1-Dichloropropene	75	3.273	3.273	(0.882)	1106935	200.000	200
$ 16	1,2-Dichloroethane-d4 (SUR)	65	3.416	3.409	(0.921)	101887	50.0000	48
28	Benzene	78	3.452	3.452	(0.930)	2931744	200.000	190
17	1,2-Dichloroethane	62	3.480	3.480	(0.938)	788541	200.000	180
61	Isopropyl Acetate	43	3.566	3.566	(0.961)	2302857	400.000	400
140	tert-Amylmethyl Ether	73	3.574	3.566	(0.963)	1550381	200.000	200
* 69	Fluorobenzene	96	3.710	3.710	(1.000)	517148	50.0000	
25	Trichloroethene	95	4.053	4.053	(1.093)	762088	200.000	200
126	Methyl cyclohexane	83	4.225	4.225	(1.139)	1307751	200.000	200
23	1,2-Dichloropropane	63	4.290	4.283	(1.156)	698669	200.000	190
109	Dibromomethane	93	4.404	4.404	(1.187)	363576	200.000	170
95	1,4-Dioxane	88	4.462	4.462	(1.203)	9152	250.000	220
146	Methyl methacrylate	69	4.462	4.455	(1.203)	344882	200.000	200
64	Propyl Acetate	43	4.541	4.540	(1.224)	1447788	400.000	400
22	Bromodichloromethane	83	4.591	4.591	(1.238)	910381	200.000	200
30	2-Chloroethyl Vinyl Ether	63	4.970	4.963	(1.340)	364696	200.000	210
118	Epichlorohydrin	57	5.020	5.013	(1.353)	1102327	4000.00	3700
24	cis-1,3-Dichloropropene	75	5.099	5.092	(1.375)	1123940	200.000	210
33	4-Methyl-2-Pentanone	43	5.321	5.314	(1.434)	560513	200.000	200
$ 37	Toluene-d8 (SUR)	98	5.393	5.393	(0.722)	396133	50.0000	54
38	Toluene	91	5.472	5.472	(0.732)	3080742	200.000	210
29	trans-1,3-Dichloropropene	75	5.794	5.794	(0.776)	999417	200.000	200
27	1,1,2-Trichloroethane	83	6.016	6.009	(0.805)	476514	200.000	220
35	Tetrachloroethene	166	6.138	6.138	(0.822)	873264	200.000	210

Data File: /chem/VOAMS12.i/8260L_10/05-03-12/03may12a.b/o59883.d
Report Date: 04-May-2012 14:07

							AMOUNTS	
		QUANT SIG					CAL-AMT	ON-COL
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
	103 1,3-Dichloropropane	76	6.217	6.217	(0.832)	966273	200.000	210
	34 2-Hexanone	43	6.396	6.396	(0.856)	379737	200.000	210
	26 Dibromochloromethane	129	6.503	6.496	(0.871)	668424	200.000	220
	65 Butyl Acetate	43	6.618	6.611	(0.886)	1450380	400.000	390
	66 1,2-Dibromoethane	107	6.618	6.611	(0.886)	527437	200.000	200
*	32 Chlorobenzene-d5	117	7.277	7.277	(1.000)	359199	50.0000	(H)
	39 Chlorobenzene	112	7.320	7.313	(0.980)	1917656	200.000	190
	97 1,1,1,2-Tetrachloroethane	131	7.463	7.463	(0.999)	732003	200.000	230
	40 Ethylbenzene	106	7.520	7.513	(1.007)	1135845	200.000	210
	43 m+p-Xylene	106	7.707	7.692	(1.032)	2681259	400.000	400
	44 o-Xylene	106	8.280	8.272	(1.108)	1285315	200.000	200
	42 Styrene	104	8.315	8.308	(1.113)	2240753	200.000	210
	147 Butyl Acrylate	55	8.387	8.380	(0.766)	980431	200.000	210
	31 Bromoform	173	8.545	8.545	(1.144)	468743	200.000	220
	145 Amyl Acetate	43	8.774	8.767	(1.175)	528084	200.000	200
	110 Isopropylbenzene	105	8.881	8.874	(1.189)	3608766	200.000	200
$	41 Bromofluorobenzene (SUR)	174	9.082	9.075	(0.830)	147004	50.0000	53
	150 Camphene	41	9.211	9.196	(0.842)	291064	200.000	200
	107 Bromobenzene	156	9.261	9.254	(0.846)	859151	200.000	200
	36 1,1,2,2-Tetrachloroethane	83	9.419	9.411	(0.861)	707940	200.000	200
	99 1,2,3-Trichloropropane	110	9.426	9.426	(0.861)	201115	200.000	200
	143 trans-1,4-Dichloro-2-butene	53	9.512	9.504	(2.564)	192169	200.000	170
	112 n-Propylbenzene	91	9.540	9.526	(0.872)	4352251	200.000	200
	105 2-Chlorotoluene	91	9.612	9.598	(0.878)	2406913	200.000	200
	106 4-Chlorotoluene	91	9.798	9.791	(0.895)	2519103	200.000	200
	102 1,3,5-Trimethylbenzene	105	9.855	9.841	(0.900)	2934091	200.000	200
	148 Butyl methacrylate	69	10.149	10.142	(0.927)	936352	200.000	180
	115 tert-Butylbenzene	119	10.357	10.350	(0.946)	2808896	200.000	210
	100 1,2,4-Trimethylbenzene	105	10.443	10.436	(0.954)	3112244	200.000	210
	114 sec-Butylbenzene	105	10.729	10.715	(0.980)	4190052	200.000	210
	67 1,3-Dichlorobenzene	146	10.822	10.815	(0.989)	1692996	200.000	190
*	91 1,4-Dichlorobenzene-d4	152	10.944	10.944	(1.000)	204516	50.0000	
	68 1,4-Dichlorobenzene	146	10.987	10.980	(1.004)	1725707	200.000	200
	113 p-Isopropyltoluene	119	11.009	11.002	(1.006)	3478293	200.000	200
	69 1,2-Dichlorobenzene	146	11.524	11.517	(1.053)	1616857	200.000	200
	117 Benzyl chloride	91	11.245	11.238	(1.027)	1352318	200.000	220
	111 n-Butylbenzene	91	11.610	11.610	(1.061)	3361385	200.000	210
	101 1,2-Dibromo-3-chloropropane	75	12.484	12.484	(1.141)	125933	200.000	180
	152 Camphor	95	13.186	13.193	(1.205)	384710	1000.00	900
	93 1,2,4-Trichlorobenzene	180	13.279	13.279	(1.213)	1376947	200.000	210
	94 Hexachlorobutadiene	225	13.459	13.451	(1.230)	895892	200.000	210
	70 Naphthalene	128	13.480	13.480	(1.232)	2644961	200.000	210
	98 1,2,3-Trichlorobenzene	180	13.688	13.688	(1.251)	1241345	200.000	210
M	45 Xylene (Total)	100				3966574	600.000	600

Data File: /chem/VOAMS12.i/8260L_10/05-03-12/03may12a.b/o59883.d
Report Date: 04-May-2012 14:07

QC Flag Legend

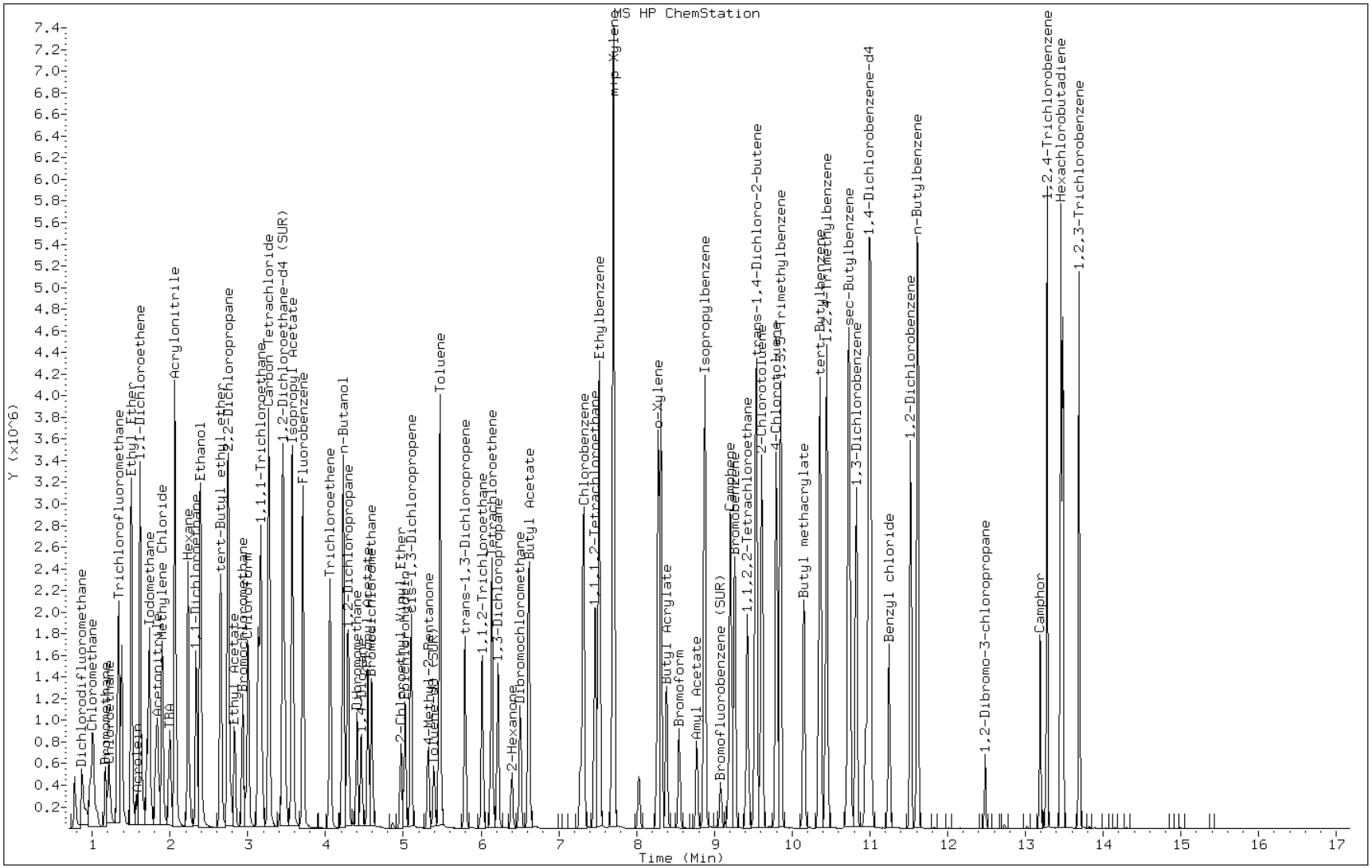
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: o59883.d

Date: 03-MAY-2012 20:37

Client ID: Instrument: VOAMS12.i

Sample Info: IC-VMCAL5 Operator: VOAMS 9



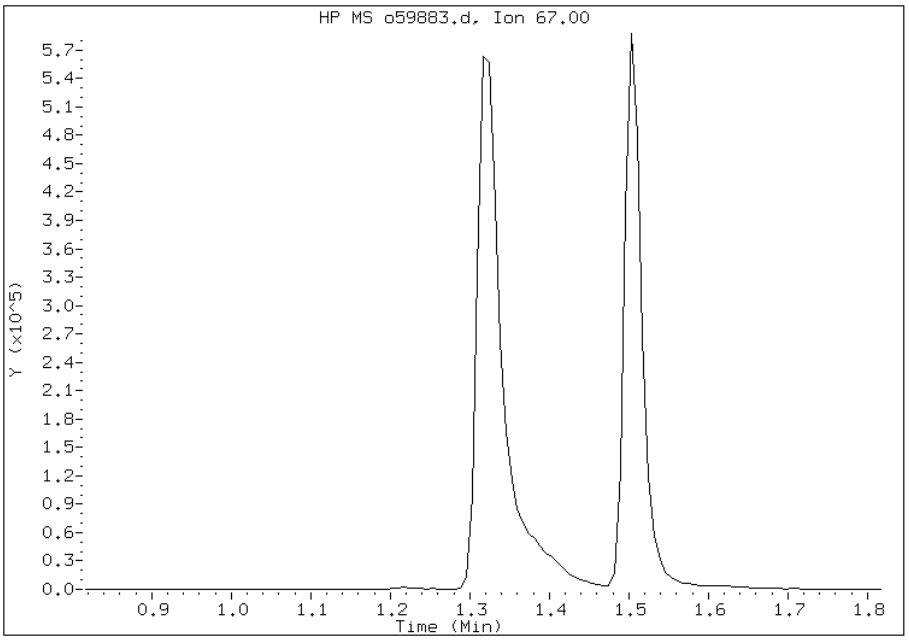
Manual Integration Report

Data File: o59883.d
Inj. Date and Time: 03-MAY-2012 20:37
Instrument ID: VOAMS12.i
Client ID:
Compound: 157 Dichlorofluoromethane
CAS #: 75-43-4
Report Date: 05/04/2012

Processing Integration Results

Not Detected

Expected RT: 1.32



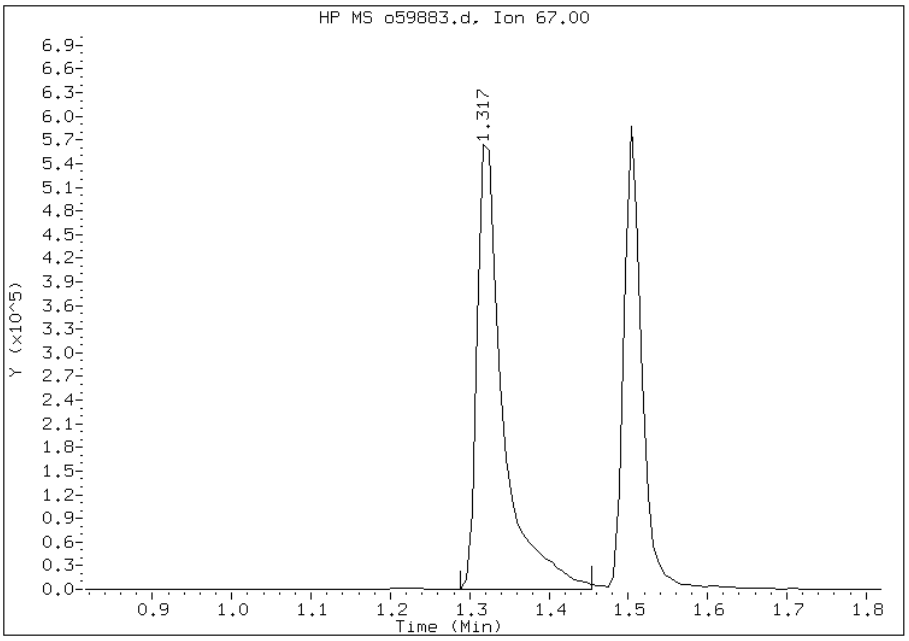
Manual Integration Results

RT: 1.32

Response: 1286925

Amount: 153

Conc: 153



Manually Integrated By: vibha
Manual Integration Reason: Analyte not Identified by the Data System

Data File: /chem/VOAMS12.i/8260L_10/05-03-12/03may12a.b/o59884.d
Report Date: 04-May-2012 14:07

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS12.i/8260L_10/05-03-12/03may12a.b/o59884.d
Lab Smp Id: IC-VMCAL6
Inj Date : 03-MAY-2012 21:02
Operator : VOAMS 9 Inst ID: VOAMS12.i
Smp Info : IC-VMCAL6
Misc Info :
Comment :
Method : /chem/VOAMS12.i/8260L_10/05-03-12/03may12a.b/8260L_10.m
Meth Date : 04-May-2012 14:07 vibha Quant Type: ISTD
Cal Date : 03-MAY-2012 21:02 Cal File: o59884.d
Als bottle: 8 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	5.00000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
M 14	1,2-Dichloroethene (total)	100				3592432	1000.00	950
90	Dichlorodifluoromethane	85	0.866	0.866	(0.233)	1958801	500.000	550(A)
1	Chloromethane	50	0.988	0.988	(0.266)	1930163	500.000	480
4	Vinyl Chloride	62	1.009	1.009	(0.272)	2189671	500.000	500(A)
3	Bromomethane	94	1.167	1.167	(0.314)	1338149	500.000	510(A)
5	Chloroethane	64	1.210	1.217	(0.326)	1091875	500.000	460
9	Trichlorofluoromethane	101	1.339	1.339	(0.361)	2961835	500.000	490
46	Ethyl Ether	59	1.496	1.496	(0.403)	1035576	500.000	440
119	Isoprene	67	1.503	1.503	(0.405)	2069221	500.000	470
47	Acrolein	56	1.575	1.568	(0.425)	257773	600.000	550
10	1,1-Dichloroethene	96	1.611	1.611	(0.434)	1381860	500.000	460
48	Freon TF	101	1.611	1.611	(0.434)	1482316	500.000	430(A)
7	Acetone	43	1.668	1.661	(0.450)	707628	1000.00	990
142	Iodomethane	142	1.704	1.704	(0.459)	2049545	500.000	500(A)

Data File: /chem/VOAMS12.i/8260L_10/05-03-12/03may12a.b/o59884.d
Report Date: 04-May-2012 14:07

		QUANT SIG					AMOUNTS	
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
8	Carbon Disulfide	76	1.733	1.733	(0.467)	5085544	500.000	480
50	Acetonitrile	41	1.833	1.819	(0.494)	3406331	10000.0	10000(A)
125	Methyl acetate	74	1.847	1.847	(0.498)	249258	500.000	500
6	Methylene Chloride	84	1.897	1.897	(0.511)	1578676	500.000	440
51	TBA	59	2.026	1.990	(0.546)	3214807	10000.0	11000(A)
52	Acrylonitrile	53	2.062	2.055	(0.556)	325285	300.000	310(A)
12	trans-1,2-Dichloroethene	96	2.062	2.062	(0.556)	1684398	500.000	460
53	MTBE	73	2.069	2.062	(0.558)	3922554	500.000	520(A)
54	Hexane	56	2.227	2.227	(0.600)	1183483	500.000	500
11	1,1-Dichloroethane	63	2.334	2.334	(0.629)	3051749	500.000	460
57	Vinyl Acetate	43	2.392	2.384	(0.645)	4681267	500.000	540(A)
55	DIPE	45	2.392	2.392	(0.645)	5085517	500.000	530(A)
149	tert-Butyl ethyl ether	59	2.657	2.649	(0.716)	4599488	500.000	540(A)
157	Dichlorofluoromethane	67	1.317	1.317	(0.355)	2893772	500.000	420(M)
104	2,2-Dichloropropane	77	2.743	2.743	(0.739)	2625203	500.000	510(A)
13	cis-1,2-Dichloroethene	96	2.750	2.750	(0.741)	1908034	500.000	490
18	2-Butanone	72	2.786	2.778	(0.751)	330062	1000.00	1000
56	Ethyl Acetate	70	2.836	2.829	(0.764)	255045	1000.00	1000(A)
108	Bromochloromethane	128	2.936	2.929	(0.791)	751999	500.000	480
15	Chloroform	83	3.008	3.000	(0.811)	2779771	500.000	480
20	1,1,1-Trichloroethane	97	3.137	3.129	(0.846)	2646866	500.000	510(A)
59	Cyclohexane	56	3.172	3.165	(0.855)	2701451	500.000	460
21	Carbon Tetrachloride	117	3.273	3.265	(0.882)	2326057	500.000	540(A)
92	1,1-Dichloropropene	75	3.273	3.273	(0.882)	2518331	500.000	530(A)
$ 16	1,2-Dichloroethane-d4 (SUR)	65	3.416	3.409	(0.921)	91370	50.0000	51
28	Benzene	78	3.452	3.452	(0.930)	6692894	500.000	510(A)
17	1,2-Dichloroethane	62	3.488	3.480	(0.940)	1796847	500.000	490
61	Isopropyl Acetate	43	3.574	3.566	(0.963)	5684533	1000.00	1200(A)
140	tert-Amylmethyl Ether	73	3.581	3.566	(0.965)	3726182	500.000	570(A)
* 69	Fluorobenzene	96	3.710	3.710	(1.000)	439674	50.0000	
25	Trichloroethene	95	4.061	4.053	(1.095)	1734872	500.000	540(A)
126	Methyl cyclohexane	83	4.233	4.225	(1.141)	2782995	500.000	490
23	1,2-Dichloropropane	63	4.290	4.283	(1.156)	1574639	500.000	510(A)
109	Dibromomethane	93	4.412	4.404	(1.189)	833188	500.000	470
95	1,4-Dioxane	88	4.476	4.462	(1.207)	70205	2000.00	1900(A)
146	Methyl methacrylate	69	4.462	4.455	(1.203)	855852	500.000	580(A)
64	Propyl Acetate	43	4.555	4.540	(1.228)	3562800	1000.00	1200(A)
22	Bromodichloromethane	83	4.598	4.591	(1.239)	2125681	500.000	540(A)
30	2-Chloroethyl Vinyl Ether	63	4.977	4.963	(1.342)	876911	500.000	600(A)
118	Epichlorohydrin	57	5.035	5.013	(1.357)	2852638	10000.0	11000(A)
24	cis-1,3-Dichloropropene	75	5.106	5.092	(1.377)	2559998	500.000	550(A)
33	4-Methyl-2-Pentanone	43	5.328	5.314	(1.436)	2397652	1000.00	1000(A)
$ 37	Toluene-d8 (SUR)	98	5.400	5.393	(0.722)	350021	50.0000	51
38	Toluene	91	5.479	5.472	(0.733)	6806503	500.000	490
29	trans-1,3-Dichloropropene	75	5.801	5.794	(0.776)	2295156	500.000	500
27	1,1,2-Trichloroethane	83	6.016	6.009	(0.805)	1026782	500.000	520(A)
35	Tetrachloroethene	166	6.145	6.138	(0.822)	1935963	500.000	500(A)

Data File: /chem/VOAMS12.i/8260L_10/05-03-12/03may12a.b/o59884.d
Report Date: 04-May-2012 14:07

							AMOUNTS	
		QUANT SIG					CAL-AMT	ON-COL
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
	103 1,3-Dichloropropane	76	6.224	6.217	(0.832)	2154345	500.000	500
	34 2-Hexanone	43	6.410	6.396	(0.857)	1694214	1000.00	990(A)
	26 Dibromochloromethane	129	6.510	6.496	(0.871)	1552039	500.000	540(A)
	65 Butyl Acetate	43	6.625	6.611	(0.886)	3898664	1000.00	1100(A)
	66 1,2-Dibromoethane	107	6.625	6.611	(0.886)	1299667	500.000	540(A)
*	32 Chlorobenzene-d5	117	7.284	7.277	(1.000)	335571	50.0000	(H)
	39 Chlorobenzene	112	7.327	7.313	(0.980)	4724352	500.000	500
	97 1,1,1,2-Tetrachloroethane	131	7.477	7.463	(1.000)	1711589	500.000	570(A)
	40 Ethylbenzene	106	7.528	7.513	(1.007)	2534682	500.000	500
	43 m+p-Xylene	106	7.721	7.692	(1.033)	6362956	1000.00	1000(A)
	44 o-Xylene	106	8.287	8.272	(1.108)	3022461	500.000	500(A)
	42 Styrene	104	8.330	8.308	(1.114)	5097326	500.000	510(A)
	147 Butyl Acrylate	55	8.394	8.380	(0.766)	2530890	500.000	600(A)
	31 Bromoform	173	8.552	8.545	(1.144)	1140912	500.000	580(A)
	145 Amyl Acetate	43	8.781	8.767	(1.174)	1382145	500.000	560(A)
	110 Isopropylbenzene	105	8.889	8.874	(1.189)	8385156	500.000	500
$	41 Bromofluorobenzene (SUR)	174	9.089	9.075	(0.830)	141577	50.0000	56
	150 Camphene	41	9.211	9.196	(0.841)	644367	500.000	490
	107 Bromobenzene	156	9.275	9.254	(0.847)	2018048	500.000	520(A)
	36 1,1,2,2-Tetrachloroethane	83	9.433	9.411	(0.861)	1739476	500.000	550(A)
	99 1,2,3-Trichloropropane	110	9.440	9.426	(0.862)	497362	500.000	540(A)
	143 trans-1,4-Dichloro-2-butene	53	9.526	9.504	(2.568)	485679	500.000	520(A)
	112 n-Propylbenzene	91	9.555	9.526	(0.872)	10052419	500.000	520(A)
	105 2-Chlorotoluene	91	9.626	9.598	(0.879)	5506406	500.000	510(A)
	106 4-Chlorotoluene	91	9.805	9.791	(0.895)	5757958	500.000	520(A)
	102 1,3,5-Trimethylbenzene	105	9.863	9.841	(0.901)	6733513	500.000	520(A)
	148 Butyl methacrylate	69	10.164	10.142	(0.928)	2315843	500.000	500(A)
	115 tert-Butylbenzene	119	10.371	10.350	(0.947)	6206807	500.000	510(A)
	100 1,2,4-Trimethylbenzene	105	10.457	10.436	(0.955)	6836201	500.000	500(A)
	114 sec-Butylbenzene	105	10.744	10.715	(0.981)	9294640	500.000	510(A)
	67 1,3-Dichlorobenzene	146	10.837	10.815	(0.990)	3939445	500.000	490
*	91 1,4-Dichlorobenzene-d4	152	10.951	10.944	(1.000)	185606	50.0000	
	68 1,4-Dichlorobenzene	146	10.994	10.980	(1.004)	3877858	500.000	490
	113 p-Isopropyltoluene	119	11.023	11.002	(1.007)	7837880	500.000	500(A)
	69 1,2-Dichlorobenzene	146	11.532	11.517	(1.053)	3630325	500.000	490
	117 Benzyl chloride	91	11.252	11.238	(1.027)	3353311	500.000	600(A)
	111 n-Butylbenzene	91	11.625	11.610	(1.061)	7356117	500.000	500
	101 1,2-Dibromo-3-chloropropane	75	12.484	12.484	(1.140)	321851	500.000	510(A)
	152 Camphor	95	13.193	13.193	(1.205)	987733	2500.00	2500(A)
	93 1,2,4-Trichlorobenzene	180	13.287	13.279	(1.213)	2968153	500.000	490
	94 Hexachlorobutadiene	225	13.459	13.451	(1.229)	1762549	500.000	460
	70 Naphthalene	128	13.487	13.480	(1.232)	5936078	500.000	520(A)
	98 1,2,3-Trichlorobenzene	180	13.695	13.688	(1.250)	2665862	500.000	490
M	45 Xylene (Total)	100				9385417	1500.00	1500(A)

Data File: /chem/VOAMS12.i/8260L_10/05-03-12/03may12a.b/o59884.d
Report Date: 04-May-2012 14:07

QC Flag Legend

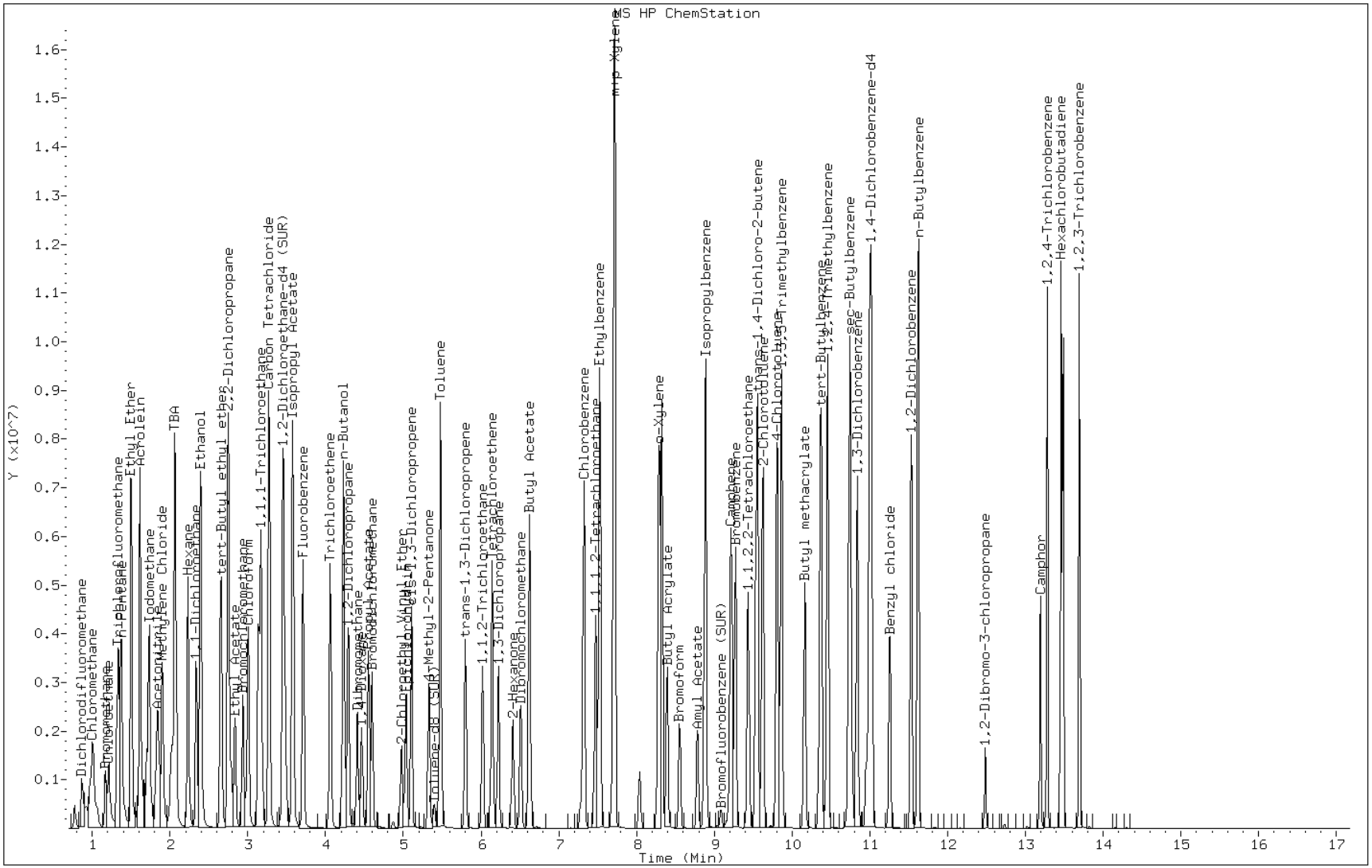
A - Target compound detected but, quantitated amount
    exceeded maximum amount.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: o59884.d

Date: 03-MAY-2012 21:02

Client ID: Instrument: VOAMS12.i

Sample Info: IC-VMCAL6 Operator: VOAMS 9



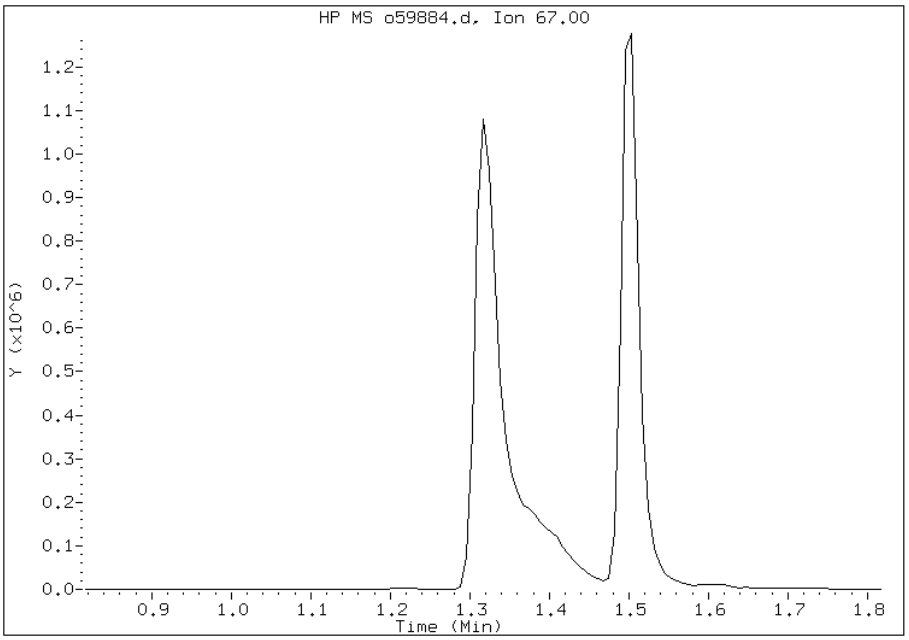
Manual Integration Report

Data File: o59884.d
Inj. Date and Time: 03-MAY-2012 21:02
Instrument ID: VOAMS12.i
Client ID:
Compound: 157 Dichlorofluoromethane
CAS #: 75-43-4
Report Date: 05/04/2012

Processing Integration Results

Not Detected

Expected RT: 1.32



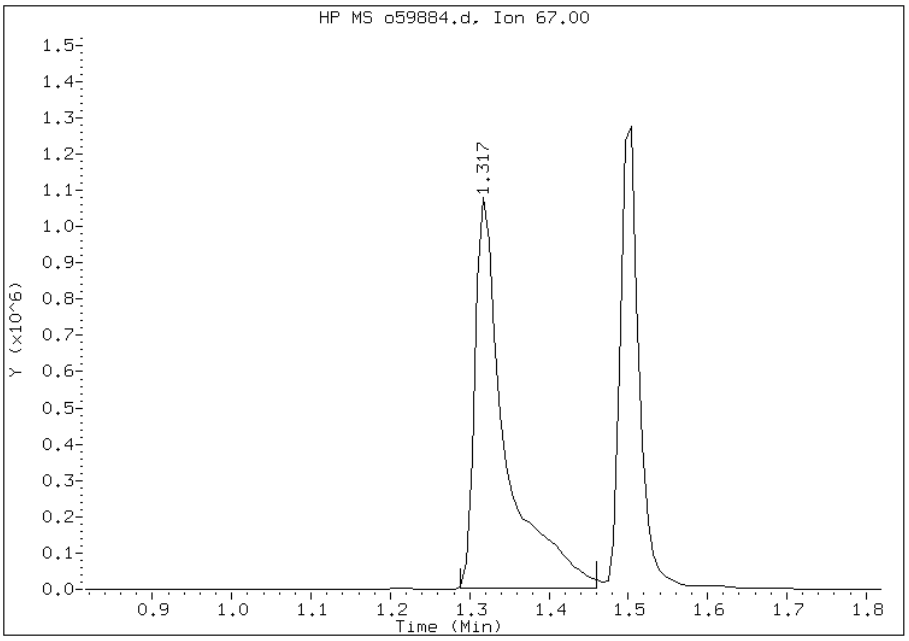
Manual Integration Results

RT: 1.32

Response: 2893772

Amount: 419

Conc: 419



Manually Integrated By: vibha
Manual Integration Reason: Analyte not Identified by the Data System

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

Lab Name: TestAmerica Edison Job No.: 460-40258-1 Analy Batch No.: 110461

SDG No.:

Instrument ID: VOAMS2 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/24/2012 21:45 Calibration End Date: 04/24/2012 23:35 Calibration ID: 15313

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-110461/2	b41434.d
Level 2	IC 460-110461/3	b41435.d
Level 3	ICIS 460-110461/4	b41436.d
Level 4	IC 460-110461/5	b41437.d
Level 5	IC 460-110461/6	b41438.d
Level 6	IC 460-110461/7	b41439.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	0.1216 0.2364	0.2489	0.2292	0.2282	0.2274	LinF		0.2351							0.9997		0.9900
Chloromethane	0.2665 0.2369	0.2686	0.2468	0.2385	0.2338	Ave		0.2485			0.1000	6.2		15.0			
Vinyl chloride	0.2358 0.2610	0.2970	0.2677	0.2667	0.2606	Ave		0.2648				7.4		30.0			
Bromomethane	0.1227 0.1087	0.1352	0.1138	0.1111	0.1079	Ave		0.1166				9.1		15.0			
Chloroethane	0.1015 0.0936	0.1144	0.0986	0.0971	0.0950	Ave		0.1000				7.6		15.0			
Trichlorofluoromethane	0.2716 0.3322	0.3998	0.3340	0.3395	0.3388	Ave		0.3360				12.1		15.0			
Ethanol	0.0013 0.0014	0.0013	0.0013	0.0012	0.0013	Ave		0.0013				4.4		15.0			
Ethyl ether	0.1778 0.1538	0.1954	0.1765	0.1727	0.1655	Ave		0.1736				8.0		15.0			
Isopropene	0.1822 0.2258	0.2963	0.2006	0.2396	0.2339	LinF		0.2270							0.9997		0.9900
1,1,2-Trichloro-1,2,2-trichfluoroethane	0.1049 0.2008	0.2348	0.1510	0.2031	0.1917	LinF		0.1996							0.9995		0.9900
Acrolein	0.0589 0.0484	0.0567	0.0513	0.0541	0.0462	Ave		0.0526				9.2		15.0			
1,1-Dichloroethene	0.1656 0.1987	0.2196	0.1559	0.1965	0.1794	Ave		0.1859				12.7		30.0			
Acetone	0.1174 0.0933	0.1020	0.1106	0.0993	0.0929	Ave		0.1026				9.5		15.0			
Iodomethane	0.4645 0.4993	0.5253	0.4519	0.4771	0.4759	Ave		0.4823				5.4		15.0			
Carbon disulfide	0.5401 0.7707	0.6947	0.5750	0.6850	0.7211	Ave		0.6645				13.3		15.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-40258-1 Analy Batch No.: 110461

SDG No.:

Instrument ID: VOAMS2 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/24/2012 21:45 Calibration End Date: 04/24/2012 23:35 Calibration ID: 15313

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Methyl acetate	0.3094 0.2773	0.3189	0.2891	0.2765	0.2701	Ave		0.2902				6.8		15.0			
Acetonitrile	0.0494 0.0411	0.0461	0.0448	0.0431	0.0416	Ave		0.0443				7.1		15.0			
Methylene Chloride	0.3263 0.2742	0.2920	0.2600	0.2723	0.2637	Ave		0.2814				8.8		15.0			
TBA	0.0295 0.0371	0.0324	0.0334	0.0335	0.0341	Ave		0.0333				7.4		15.0			
MTBE	0.7359 0.7967	0.8103	0.7639	0.7712	0.7659	Ave		0.7740				3.4		15.0			
trans-1,2-Dichloroethene	0.2343 0.2547	0.2620	0.2156	0.2456	0.2429	Ave		0.2425				6.7		15.0			
Acrylonitrile	0.1055 0.1141	0.1155	0.1190	0.1158	0.1110	Ave		0.1135				4.2		15.0			
Hexane	0.1174 0.1744	0.2094	0.1199	0.1676	0.1674	LinF		0.1734							0.9995		0.9900
1,1-Dichloroethane	0.4554 0.4666	0.4862	0.4171	0.4564	0.4489	Ave		0.4551			0.1000	5.0		15.0			
DIPE	0.8527 0.8636	0.9086	0.8381	0.8506	0.8433	Ave		0.8595				3.0		15.0			
Vinyl acetate	0.7102 0.6579	0.5572	0.6310	0.6229	0.6394	Ave		0.6364				7.8		15.0			
Tert-butyl ethyl ether	0.8664 0.8167	0.9062	0.8154	0.8054	0.7916	Ave		0.8336				5.2		15.0			
2,2-Dichloropropane	0.3048 0.3592	0.3665	0.3079	0.3563	0.3494	Ave		0.3407				8.0		15.0			
cis-1,2-Dichloroethene	0.2898 0.2946	0.3042	0.2652	0.2869	0.2817	Ave		0.2871				4.6		15.0			
2-Butanone	0.0300 0.0401	0.0326	0.0404	0.0387	0.0389	Ave		0.0368				11.9		15.0			
Ethyl acetate	0.0256 0.0330	0.0337	0.0327	0.0310	0.0313	Ave		0.0312				9.4		15.0			
Bromochloromethane	0.1543 0.1638	0.1700	0.1478	0.1580	0.1557	Ave		0.1583				4.9		15.0			
Tetrahydrofuran	0.1710 0.0972	0.1254	0.1020	0.0974	0.0946	LinF		0.0969							0.9998		0.9900
Chloroform	0.4897 0.4928	0.5091	0.4428	0.4803	0.4724	Ave		0.4812				4.7		30.0			
Cyclohexane	0.1734 0.3650	0.3755	0.2491	0.3423	0.3412	LinF		0.3616							0.9990		0.9900

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

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

Lab Name: TestAmerica Edison Job No.: 460-40258-1 Analy Batch No.: 110461

SDG No.:

Instrument ID: VOAMS2 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/24/2012 21:45 Calibration End Date: 04/24/2012 23:35 Calibration ID: 15313

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,1,1-Trichloroethane	0.3071 0.4117	0.3912	0.3184	0.3876	0.3900	Ave		0.3677				11.8		15.0			
Carbon tetrachloride	0.2254 0.3763	0.3273	0.2520	0.3289	0.3454	LinF		0.3719							0.9984		0.9900
1,1-Dichloropropene	0.2912 0.3732	0.3820	0.2924	0.3569	0.3561	Ave		0.3420				11.7		15.0			
Benzene	1.3911 1.3113	1.4295	1.2489	1.3528	1.2873	Ave		1.3368				5.0		15.0			
Tert-amyl methyl ether	0.6577 0.7726	0.7212	0.7131	0.7207	0.7392	Ave		0.7208				5.2		15.0			
1,2-Dichloroethane	0.4114 0.3872	0.4049	0.3737	0.3892	0.3796	Ave		0.3910				3.7		15.0			
Isopropyl acetate	0.6302 0.7234	0.6869	0.6878	0.7011	0.7113	Ave		0.6901				4.7		15.0			
n-Heptane	0.0664 0.1393	0.1552	0.0990	0.1340	0.1321	LinF		0.1383							0.9993		0.9900
Trichloroethene	0.2531 0.2755	0.2811	0.2290	0.2627	0.2586	Ave		0.2600				7.1		15.0			
n-Butanol	0.0059 0.0089	0.0065	0.0075	0.0076	0.0082	Ave		0.0074				14.7		15.0			
Methylcyclohexane	0.1521 0.3318	0.3465	0.2303	0.3152	0.3151	LinF		0.3294							0.9993		0.9900
Ethyl acrylate	0.3128 0.4224	0.3697	0.3575	0.3721	0.3927	Ave		0.3712				9.8		15.0			
1,2-Dichloropropane	0.2608 0.2774	0.2815	0.2542	0.2687	0.2645	Ave		0.2679				3.8		30.0			
Dibromomethane	0.2066 0.2147	0.2080	0.1937	0.2045	0.2050	Ave		0.2054				3.3		15.0			
1,4-Dioxane	0.0027 0.0058	0.0028	0.0033	0.0036	0.0040	QuaF		359.82	-5402						0.9991		0.9900
Methyl methacrylate	0.0552 0.0798	0.0609	0.0680	0.0694	0.0740	Ave		0.0679				13.0		15.0			
Propyl acetate	0.3743 0.4786	0.4259	0.4350	0.4457	0.4556	Ave		0.4358				8.1		15.0			
Bromodichloromethane	0.3028 0.3990	0.3324	0.3255	0.3558	0.3720	Ave		0.3479				10.0		15.0			
2-Chloroethyl vinyl ether	0.1560 0.2080	0.1744	0.1840	0.1913	0.1982	Ave		0.1853				9.9		15.0			
Epichlorohydrin	0.0383 0.0462	0.0437	0.0457	0.0456	0.0448	Ave		0.0441				6.7		15.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-40258-1 Analy Batch No.: 110461

SDG No.:

Instrument ID: VOAMS2 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/24/2012 21:45 Calibration End Date: 04/24/2012 23:35 Calibration ID: 15313

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
cis-1,3-Dichloropropene	0.5073 0.6261	0.5772	0.5680	0.6112	0.6074	Ave		0.5829				7.4		15.0			
4-Methyl-2-pentanone	0.3969 0.4574	0.3823	0.4348	0.4363	0.4348	Ave		0.4237				6.7		15.0			
Toluene	1.5780 1.3928	1.5762	1.3023	1.4230	1.3616	Ave		1.4390				7.9		30.0			
trans-1,3-Dichloropropene	0.4475 0.5876	0.4970	0.5046	0.5547	0.5632	Ave		0.5257				9.9		15.0			
1,1,2-Trichloroethane	0.2773 0.3169	0.3136	0.2900	0.3107	0.3039	Ave		0.3021				5.1		15.0			
Tetrachloroethene	0.3057 0.3958	0.3798	0.2982	0.3610	0.3660	Ave		0.3511				11.4		15.0			
1,3-Dichloropropane	0.5640 0.5746	0.5938	0.5574	0.5795	0.5613	Ave		0.5718				2.4		15.0			
2-Hexanone	0.2087 +++++	0.2306	0.2795	0.2868	0.3018	LinF		0.3004							0.9991		0.9900
Dibromochloromethane	0.2998 +++++	0.3538	0.3600	0.4066	0.4445	Ave		0.3729				14.8		15.0			
Butyl acetate	0.0807 0.1090	0.0902	0.0949	0.1007	0.1045	Ave		0.0967				10.7		15.0			
1,2-Dibromoethane	0.3663 0.4040	0.3898	0.3714	0.4024	0.3918	Ave		0.3876				4.0		15.0			
Chlorobenzene	0.9521 0.9752	1.0013	0.8941	0.9486	0.9290	Ave		0.9501			0.3000	3.9		15.0			
Ethylbenzene	0.3881 0.4991	0.4606	0.4066	0.4735	0.4795	Ave		0.4512				9.7		30.0			
1,1,1,2-Tetrachloroethane	0.2881 0.3883	0.3081	0.3200	0.3610	0.3729	Ave		0.3397				11.7		15.0			
m&p-Xylene	0.4558 0.5786	0.5725	0.5030	0.5808	0.5827	Ave		0.5456				9.8		15.0			
o-Xylene	0.4748 0.6030	0.5420	0.5083	0.5755	0.5778	Ave		0.5469				8.8		15.0			
Styrene	0.6938 1.0416	0.8715	0.8727	0.9922	1.0028	Ave		0.9124				14.1		15.0			
Amly acetate	0.6446 0.9943	0.7918	0.8579	0.8976	0.9579	Ave		0.8574				14.8		15.0			
Bromoform	0.1955 0.3575	0.2227	0.2399	0.2806	0.3171	QuaF		3.3862	-0.165		0.1000				0.9999		0.9900
Isopropylbenzene	1.0194 1.4790	1.3995	1.1794	1.4467	1.4347	Ave		1.3264				13.9		15.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-40258-1 Analy Batch No.: 110461

SDG No.:

Instrument ID: VOAMS2 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/24/2012 21:45 Calibration End Date: 04/24/2012 23:35 Calibration ID: 15313

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Monobromobenzene	0.7954 0.8728	0.8496	0.7723	0.8237	0.8166	Ave		0.8217				4.4		15.0			
1,1,2,2-Tetrachloroethane	0.9824 1.0164	0.9542	0.9430	1.0039	0.9846	Ave		0.9807			0.3000	2.9		15.0			
N-Propylbenzene	2.5286 3.4451	3.4722	2.8214	3.4556	3.4112	Ave		3.1890				12.8		15.0			
1,2,3-Trichloropropane	0.2521 0.2797	0.2909	0.2639	0.2807	0.2678	Ave		0.2725				5.1		15.0			
trans-1,4-Dichloro-2-butene	0.2020 0.2724	0.2646	0.2560	0.2614	0.2620	Ave		0.2531				10.1		15.0			
2-Chlorotoluene	1.7729 2.1005	2.1098	1.8407	2.0645	2.0137	Ave		1.9837				7.2		15.0			
1,3,5-Trimethylbenzene	1.6508 2.4388	2.2629	1.9863	2.3567	2.3312	Ave		2.1711				13.7		15.0			
4-Chlorotoluene	2.0807 2.4508	2.4746	2.1593	2.4246	2.3678	Ave		2.3263				7.1		15.0			
tert-Butylbenzene	1.3182 2.0898	2.0176	1.5877	2.0000	1.9800	LinF		2.0742							0.9994		0.9900
1,2,4-Trimethylbenzene	1.7910 2.4812	2.3555	2.1026	2.4359	2.3917	Ave		2.2597				11.7		15.0			
sec-Butylbenzene	1.7128 3.0556	3.0880	2.3146	3.0081	3.0178	LinF		3.0493							0.9998		0.9900
1,3-Dichlorobenzene	1.2819 1.5087	1.4905	1.3324	1.5016	1.5205	Ave		1.4393				7.2		15.0			
p-Isopropyltoluene	1.4459 2.5102	2.4026	1.9390	2.5130	2.5612	LinF		2.5167							0.9998		0.9900
1,4-Dichlorobenzene	1.4685 1.5791	1.5527	1.3918	1.5252	1.4886	Ave		1.5010				4.5		15.0			
Benzyl chloride	1.0757 1.7912	1.2496	1.4644	1.5663	1.6764	LinF		1.7743							0.9990		0.9900
n-Butylbenzene	1.3812 2.4495	2.3173	1.7933	2.3929	2.3741	LinF		2.4384							0.9997		0.9900
1,2-Dichlorobenzene	1.3121 1.5275	1.4597	1.3483	1.4459	1.4317	Ave		1.4209				5.5		15.0			
1,2-Dibromo-3-Chloropropane	0.1315 0.2033	0.1581	0.1547	0.1748	0.1830	Ave		0.1676				14.9		15.0			
1,2,4-Trichlorobenzene	0.7395 1.1571	1.0025	0.9271	1.0542	1.0599	Ave		0.9900				14.6		15.0			
Hexachlorobutadiene	0.2057 0.4954	0.4165	0.2804	0.4273	0.4399	LinF		0.4878							0.9971		0.9900

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

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

Lab Name: TestAmerica Edison Job No.: 460-40258-1 Analy Batch No.: 110461

SDG No.:

Instrument ID: VOAMS2 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/24/2012 21:45 Calibration End Date: 04/24/2012 23:35 Calibration ID: 15313

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Naphthalene	1.8899 2.9880	2.5159	2.5757	2.8198	2.8200	Ave		2.6015				15.0		15.0			
1,2,3-Trichlorobenzene	0.7654 1.1214	1.0048	0.9229	1.0193	1.0232	Ave		0.9762				12.4		15.0			
1,2-Dichloroethane-d4 (Surr)	0.3185 0.3230	0.3227	0.3207	0.3213	0.3238	Ave		0.3217				0.6		15.0			
Toluene-d8 (Surr)	1.1748 1.1599	1.1801	1.1883	1.1796	1.1641	Ave		1.1745				0.9		15.0			
Bromofluorobenzene	0.7912 0.8317	0.7796	0.7983	0.8019	0.8108	Ave		0.8022				2.2		15.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-40258-1 Analy Batch No.: 110461

SDG No.:

Instrument ID: VOAMS2 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/24/2012 21:45 Calibration End Date: 04/24/2012 23:35 Calibration ID: 15313

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-110461/2	b41434.d
Level 2	IC 460-110461/3	b41435.d
Level 3	ICIS 460-110461/4	b41436.d
Level 4	IC 460-110461/5	b41437.d
Level 5	IC 460-110461/6	b41438.d
Level 6	IC 460-110461/7	b41439.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	FB	LinF	1707 1751718	17343	66842	167204	670740	1.00 500	5.00	20.0	50.0	200
Chloromethane	FB	Ave	3742 1755772	18713	71998	174742	689694	1.00 500	5.00	20.0	50.0	200
Vinyl chloride	FB	Ave	3311 1933855	20693	78090	195384	768654	1.00 500	5.00	20.0	50.0	200
Bromomethane	FB	Ave	1722 805229	9419	33206	81426	318365	1.00 500	5.00	20.0	50.0	200
Chloroethane	FB	Ave	1425 693861	7972	28746	71128	280286	1.00 500	5.00	20.0	50.0	200
Trichlorofluoromethane	FB	Ave	3813 2461708	27856	97403	248694	999535	1.00 500	5.00	20.0	50.0	200
Ethanol	FB	Ave	17793 124613	35297	55894	73163	97330	1000 6000	2000	3000	4000	5000
Ethyl ether	FB	Ave	2496 1139815	13614	51481	126552	488179	1.00 500	5.00	20.0	50.0	200
Isopropene	FB	LinF	2558 1673253	20644	58522	175523	689974	1.00 500	5.00	20.0	50.0	200
1,1,2-Trichloro-1,2,2-trichfluoroethane	FB	LinF	1473 1487788	16357	44055	148795	565466	1.00 500	5.00	20.0	50.0	200
Acrolein	FB	Ave	3305 286718	15805	29947	79222	136396	4.00 400	20.0	40.0	100	200
1,1-Dichloroethene	FB	Ave	2325 1472462	15302	45465	143924	529214	1.00 500	5.00	20.0	50.0	200
Acetone	FB	Ave	8239 691115	21317	32271	72732	274067	5.00 500	15.0	20.0	50.0	200
Iodomethane	FB	Ave	6521 3699770	36602	131814	349496	1403702	1.00 500	5.00	20.0	50.0	200
Carbon disulfide	FB	Ave	7583 5711026	48402	167720	501850	2127235	1.00 500	5.00	20.0	50.0	200
Methyl acetate	FB	Ave	4344 2054805	22217	84318	202564	796723	1.00 500	5.00	20.0	50.0	200

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

Lab Name: TestAmerica Edison Job No.: 460-40258-1 Analy Batch No.: 110461

SDG No.:

Instrument ID: VOAMS2 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/24/2012 21:45 Calibration End Date: 04/24/2012 23:35 Calibration ID: 15313

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Acetonitrile	FB	Ave	13877 6083904	64187	261483	631564	2453486	20.0 10000	100	400	1000	4000
Methylene Chloride	FB	Ave	4581 2031803	20347	75839	199502	777887	1.00 500	5.00	20.0	50.0	200
TBA	FB	Ave	8277 5500715	45178	194832	491075	2012100	20.0 10000	100	400	1000	4000
MTBE	FB	Ave	10332 5903849	56455	222800	564943	2259211	1.00 500	5.00	20.0	50.0	200
trans-1,2-Dichloroethene	FB	Ave	3289 1887702	18255	62890	179916	716377	1.00 500	5.00	20.0	50.0	200
Acrylonitrile	FB	Ave	2961 338343	16090	34718	84798	163661	2.00 200	10.0	20.0	50.0	100
Hexane	FB	LinF	1648 1292463	14591	34980	122771	493730	1.00 500	5.00	20.0	50.0	200
1,1-Dichloroethane	FB	Ave	6393 3457862	33875	121647	334337	1324139	1.00 500	5.00	20.0	50.0	200
DIPE	FB	Ave	11971 6399330	63309	244433	623138	2487582	1.00 500	5.00	20.0	50.0	200
Vinyl acetate	FB	Ave	9971 4875034	38821	184037	456322	1886039	1.00 500	5.00	20.0	50.0	200
Tert-butyl ethyl ether	FB	Ave	12163 6052185	63138	237816	590014	2335248	1.00 500	5.00	20.0	50.0	200
2,2-Dichloropropane	FB	Ave	4279 2661769	25539	89815	261000	1030771	1.00 500	5.00	20.0	50.0	200
cis-1,2-Dichloroethene	FB	Ave	4068 2183057	21194	77364	210159	830882	1.00 500	5.00	20.0	50.0	200
2-Butanone	FB	Ave	2104 297075	6812	11786	28374	114711	5.00 500	15.0	20.0	50.0	200
Ethyl acetate	FB	Ave	719 489357	4700	19061	45396	184822	2.00 1000	10.0	40.0	100	400
Bromochloromethane	FB	Ave	2166 1214100	11845	43112	115753	459318	1.00 500	5.00	20.0	50.0	200
Tetrahydrofuran	FB	LinF	2400 720485	8738	29743	71379	278963	1.00 500	5.00	20.0	50.0	200
Chloroform	FB	Ave	6875 3651595	35475	129144	351884	1393542	1.00 500	5.00	20.0	50.0	200
Cyclohexane	FB	LinF	2434 2704662	26164	72666	250751	1006397	1.00 500	5.00	20.0	50.0	200
1,1,1-Trichloroethane	FB	Ave	4311 3050780	27256	92875	283967	1150355	1.00 500	5.00	20.0	50.0	200
Carbon tetrachloride	FB	LinF	3165 2788441	22803	73512	240918	1018864	1.00 500	5.00	20.0	50.0	200

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

Lab Name: TestAmerica Edison Job No.: 460-40258-1 Analy Batch No.: 110461

SDG No.:

Instrument ID: VOAMS2 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/24/2012 21:45 Calibration End Date: 04/24/2012 23:35 Calibration ID: 15313

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
1,1-Dichloropropene	FB	Ave	4088 2765624	26617	85280	261483	1050416	1.00 500	5.00	20.0	50.0	200
Benzene	CBZ	Ave	13563 7248371	70014	255605	702491	2771512	1.00 500	5.00	20.0	50.0	200
Tert-amyl methyl ether	FB	Ave	9233 5725303	50250	207988	527989	2180600	1.00 500	5.00	20.0	50.0	200
1,2-Dichloroethane	FB	Ave	5776 2869300	28213	109003	285107	1119667	1.00 500	5.00	20.0	50.0	200
Isopropyl acetate	FB	Ave	17695 10720537	95725	401243	1027257	4196703	2.00 1000	10.0	40.0	100	400
n-Heptane	FB	LinF	932 1032492	10816	28866	98145	389648	1.00 500	5.00	20.0	50.0	200
Trichloroethene	FB	Ave	3553 2041583	19588	66804	192479	762731	1.00 500	5.00	20.0	50.0	200
n-Butanol	FB	Ave	41642 397589	90870	164258	221276	302702	500 3000	1000	1500	2000	2500
Methylcyclohexane	FB	LinF	2135 2459021	24146	67171	230938	929501	1.00 500	5.00	20.0	50.0	200
Ethyl acrylate	FB	Ave	4392 3130136	25760	104274	272567	1158508	1.00 500	5.00	20.0	50.0	200
1,2-Dichloropropane	FB	Ave	3662 2055599	19617	74149	196846	780111	1.00 500	5.00	20.0	50.0	200
Dibromomethane	FB	Ave	2900 1591033	14495	56509	149816	604600	1.00 500	5.00	20.0	50.0	200
1,4-Dioxane	FB	QuaF	1928 25796	3938	7149	10439	14854	50.0 300	100	150	200	250
Methyl methacrylate	FB	Ave	775 591524	4243	19828	50805	218219	1.00 500	5.00	20.0	50.0	200
Propyl acetate	FB	Ave	10511 7093693	59344	253726	652970	2687942	2.00 1000	10.0	40.0	100	400
Bromodichloromethane	FB	Ave	4251 2956786	23160	94929	260663	1097347	1.00 500	5.00	20.0	50.0	200
2-Chloroethyl vinyl ether	FB	Ave	2190 1541353	12151	53680	140131	584714	1.00 500	5.00	20.0	50.0	200
Epichlorohydrin	CBZ	Ave	7468 5108383	42828	187199	473472	1928162	20.0 10000	100	400	1000	4000
cis-1,3-Dichloropropene	CBZ	Ave	4946 3461013	28270	116258	317420	1307776	1.00 500	5.00	20.0	50.0	200
4-Methyl-2-pentanone	CBZ	Ave	19349 2528322	56177	88978	226591	936049	5.00 500	15.0	20.0	50.0	200
Toluene	CBZ	Ave	15386 7699038	77198	266544	738971	2931458	1.00 500	5.00	20.0	50.0	200

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

Lab Name: TestAmerica Edison Job No.: 460-40258-1 Analy Batch No.: 110461

SDG No.:

Instrument ID: VOAMS2 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/24/2012 21:45 Calibration End Date: 04/24/2012 23:35 Calibration ID: 15313

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
trans-1,3-Dichloropropene	CBZ	Ave	4363 3247966	24341	103266	288043	1212504	1.00 500	5.00	20.0	50.0	200
1,1,2-Trichloroethane	CBZ	Ave	2704 1751720	15359	59362	161338	654270	1.00 500	5.00	20.0	50.0	200
Tetrachloroethene	CBZ	Ave	2981 2187831	18600	61040	187450	788028	1.00 500	5.00	20.0	50.0	200
1,3-Dichloropropane	CBZ	Ave	5499 3176070	29085	114089	300941	1208497	1.00 500	5.00	20.0	50.0	200
2-Hexanone	CBZ	LinF	10173 +++++	33887	57207	148915	649693	5.00 +++++	15.0	20.0	50.0	200
Dibromochloromethane	CBZ	Ave	2923 +++++	17327	73669	211165	956987	1.00 +++++	5.00	20.0	50.0	200
Butyl acetate	CBZ	Ave	1573 1205161	8835	38845	104637	449958	2.00 1000	10.0	40.0	100	400
1,2-Dibromoethane	CBZ	Ave	3571 2233019	19094	76011	208952	843594	1.00 500	5.00	20.0	50.0	200
Chlorobenzene	CBZ	Ave	9283 5390656	49042	182994	492605	2000080	1.00 500	5.00	20.0	50.0	200
Ethylbenzene	CBZ	Ave	3784 2758840	22561	83212	245890	1032382	1.00 500	5.00	20.0	50.0	200
1,1,1,2-Tetrachloroethane	CBZ	Ave	2809 2146366	15091	65487	187443	802864	1.00 500	5.00	20.0	50.0	200
m&p-Xylene	CBZ	Ave	8888 6396081	56085	205890	603204	2508812	2.00 1000	10.0	40.0	100	400
o-Xylene	CBZ	Ave	4629 3333163	26547	104024	298850	1244005	1.00 500	5.00	20.0	50.0	200
Styrene	CBZ	Ave	6765 5757578	42683	178604	515246	2158918	1.00 500	5.00	20.0	50.0	200
Amly acetate	DCB	Ave	3058 2829189	19146	88247	236698	1051882	1.00 500	5.00	20.0	50.0	200
Bromoform	CBZ	QuaF	1906 1975925	10906	49100	145699	682616	1.00 500	5.00	20.0	50.0	200
Isopropylbenzene	CBZ	Ave	9939 8175336	68544	241375	751278	3088789	1.00 500	5.00	20.0	50.0	200
Monobromobenzene	DCB	Ave	3773 2483479	20543	79447	217200	896716	1.00 500	5.00	20.0	50.0	200
1,1,2,2-Tetrachloroethane	DCB	Ave	4660 2892081	23073	97002	264727	1081124	1.00 500	5.00	20.0	50.0	200
N-Propylbenzene	DCB	Ave	11995 9802607	83958	290227	911260	3745771	1.00 500	5.00	20.0	50.0	200
1,2,3-Trichloropropane	DCB	Ave	1196 795846	7035	27143	74028	294022	1.00 500	5.00	20.0	50.0	200

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

Lab Name: TestAmerica Edison Job No.: 460-40258-1 Analy Batch No.: 110461

SDG No.:

Instrument ID: VOAMS2 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/24/2012 21:45 Calibration End Date: 04/24/2012 23:35 Calibration ID: 15313

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
trans-1,4-Dichloro-2-butene	DCB	Ave	958 774993	6398	26335	68934	287718	1.00 500	5.00	20.0	50.0	200
2-Chlorotoluene	DCB	Ave	8410 5976741	51014	189351	544410	2211254	1.00 500	5.00	20.0	50.0	200
1,3,5-Trimethylbenzene	DCB	Ave	7831 6939213	54717	204323	621475	2559799	1.00 500	5.00	20.0	50.0	200
4-Chlorotoluene	DCB	Ave	9870 6973409	59836	222119	639383	2599982	1.00 500	5.00	20.0	50.0	200
tert-Butylbenzene	DCB	LinF	6253 5946250	48786	163325	527404	2174203	1.00 500	5.00	20.0	50.0	200
1,2,4-Trimethylbenzene	DCB	Ave	8496 7059777	56957	216292	642345	2626330	1.00 500	5.00	20.0	50.0	200
sec-Butylbenzene	DCB	LinF	8125 8694310	74667	238098	793246	3313773	1.00 500	5.00	20.0	50.0	200
1,3-Dichlorobenzene	DCB	Ave	6081 4292678	36040	137057	395984	1669585	1.00 500	5.00	20.0	50.0	200
p-Isopropyltoluene	DCB	LinF	6859 7142318	58096	199460	662681	2812432	1.00 500	5.00	20.0	50.0	200
1,4-Dichlorobenzene	DCB	Ave	6966 4493141	37544	143167	402191	1634644	1.00 500	5.00	20.0	50.0	200
Benzyl chloride	DCB	LinF	5103 5096581	30215	150638	413051	1840817	1.00 500	5.00	20.0	50.0	200
n-Butylbenzene	DCB	LinF	6552 6969799	56032	184470	631005	2606942	1.00 500	5.00	20.0	50.0	200
1,2-Dichlorobenzene	DCB	Ave	6224 4346396	35296	138700	381290	1572091	1.00 500	5.00	20.0	50.0	200
1,2-Dibromo-3-Chloropropane	DCB	Ave	624 578450	3823	15911	46099	200916	1.00 500	5.00	20.0	50.0	200
1,2,4-Trichlorobenzene	DCB	Ave	3508 3292248	24241	95369	277986	1163860	1.00 500	5.00	20.0	50.0	200
Hexachlorobutadiene	DCB	LinF	976 1409533	10072	28841	112668	483040	1.00 500	5.00	20.0	50.0	200
Naphthalene	DCB	Ave	8965 8501888	60834	264951	743584	3096553	1.00 500	5.00	20.0	50.0	200
1,2,3-Trichlorobenzene	DCB	Ave	3631 3190791	24296	94931	268788	1123527	1.00 500	5.00	20.0	50.0	200
1,2-Dichloroethane-d4 (Surr)	FB	Ave	223585 239321	224829	233861	235346	238768	50.0 50.0	50.0	50.0	50.0	50.0
Toluene-d8 (Surr)	CBZ	Ave	572734 641140	577994	607985	612566	626522	50.0 50.0	50.0	50.0	50.0	50.0
Bromofluorobenzene	DCB	Ave	187660 236638	188507	205300	211471	222580	50.0 50.0	50.0	50.0	50.0	50.0

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

Lab Name: TestAmerica Edison Job No.: 460-40258-1 Analy Batch No.: 110461

SDG No.:

Instrument ID: VOAMS2 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/24/2012 21:45 Calibration End Date: 04/24/2012 23:35 Calibration ID: 15313

Curve Type Legend:

Ave = Average ISTD
LinF = Linear ISTD forced zero
QuaF = Quadratic ISTD forced zero

Data File: /chem/VOAMS2.i/8260_09/04-24-12/24apr12.b/b41434.d
Report Date: 25-Apr-2012 01:26

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS2.i/8260_09/04-24-12/24apr12.b/b41434.d
Lab Smp Id: IC-VMCAL1
Inj Date : 24-APR-2012 21:45
Operator : VOA GC/MS2 Inst ID: VOAMS2.i
Smp Info : IC-VMCAL1
Misc Info :
Comment :
Method : /chem/VOAMS2.i/8260_09/04-24-12/24apr12.b/8260_09.m
Meth Date : 25-Apr-2012 01:26 ken Quant Type: ISTD
Cal Date : 24-APR-2012 21:45 Cal File: b41434.d
Als bottle: 4 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * (Vt/Ws)/((100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (mL)
Ws	5.00000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
2 Dichlorodifluoromethane	85	1.143	1.143	(0.223)	1707	1.00000	0.56(a)
3 Chloromethane	50	1.275	1.275	(0.248)	3742	1.00000	1.1
4 Vinyl Chloride	62	1.365	1.365	(0.266)	3311	1.00000	0.89(a)
6 Bromomethane	94	1.621	1.621	(0.316)	1722	1.00000	1.0
5 Chloroethane	64	1.695	1.695	(0.330)	1425	1.00000	1.0
7 Trichlorofluoromethane	101	1.876	1.876	(0.365)	3813	1.00000	0.81(a)
9 Ethanol	46	2.098	2.098	(0.409)	17793	1000.00	980(a)
11 Ethyl Ether	59	2.106	2.106	(0.410)	2496	1.00000	1.0
10 Isoprene	67	2.114	2.114	(0.412)	2558	1.00000	0.79(a)
13 Acrolein	56	2.279	2.279	(0.444)	3305	4.00000	4.5
14 Freon TF	101	2.263	2.263	(0.441)	1473	1.00000	0.59(a)
15 1,1-Dichloroethene	96	2.295	2.295	(0.447)	2325	1.00000	0.89(a)
16 Acetone	43	2.411	2.411	(0.469)	8239	5.00000	5.7
17 Iodomethane	142	2.444	2.444	(0.476)	6521	1.00000	0.96(a)

Data File: /chem/VOAMS2.i/8260_09/04-24-12/24apr12.b/b41434.d
Report Date: 25-Apr-2012 01:26

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	18 Carbon Disulfide	76	2.468	2.468	(0.481)	7583	1.00000	0.81(a)
	27 Methyl Acetate	43	2.666	2.666	(0.519)	4344	1.00000	1.1
	21 Acetonitrile	41	2.715	2.715	(0.529)	13877	20.0000	22
	22 Methylene Chloride	84	2.765	2.765	(0.538)	4581	1.00000	1.2
	24 TBA	59	2.872	2.872	(0.559)	8277	20.0000	18(a)
	28 MTBE	73	2.954	2.954	(0.575)	10332	1.00000	0.95(a)
	25 trans-1,2-Dichloroethene	96	2.954	2.954	(0.575)	3289	1.00000	0.97(a)
	26 Acrylonitrile	53	3.044	3.044	(0.593)	2961	2.00000	1.8(a)
	29 Hexane	43	3.127	3.127	(0.609)	1648	1.00000	0.74(a)
	32 DIPE	45	3.382	3.382	(0.659)	11971	1.00000	0.99(a)
	30 1,1-Dichloroethane	63	3.374	3.374	(0.657)	6393	1.00000	1.0
	31 Vinyl Acetate	43	3.423	3.423	(0.667)	9971	1.00000	1.1
	34 n-Propanol	42	3.522	3.522	(0.686)	22575	1000.00	950(a)
	35 t-Butyl-ethyl-ether	59	3.727	3.727	(0.726)	12163	1.00000	1.0
	37 2,2-Dichloropropane	77	3.908	3.908	(0.761)	4279	1.00000	0.89(a)
	36 cis-1,2-Dichloroethene	96	3.950	3.950	(0.769)	4068	1.00000	1.0
	39 Ethyl Acetate	70	4.024	4.024	(0.784)	719	2.00000	1.6(a)
	38 2-Butanone	72	3.999	3.999	(0.779)	2104	5.00000	4.1(a)
	40 Bromochloromethane	128	4.197	4.197	(0.817)	2166	1.00000	0.97(a)
	41 Tetrahydrofuran	42	4.213	4.213	(0.820)	2400	1.00000	1.5
	42 Chloroform	83	4.271	4.271	(0.832)	6875	1.00000	1.0
	44 Cyclohexane	56	4.378	4.378	(0.853)	2434	1.00000	0.56(a)
	43 1,1,1-Trichloroethane	97	4.410	4.410	(0.859)	4311	1.00000	0.84(a)
	45 Carbon Tetrachloride	117	4.526	4.526	(0.881)	3165	1.00000	0.73(a)
	46 1,1-Dichloropropene	75	4.575	4.575	(0.891)	4088	1.00000	0.85(a)
	48 Benzene	78	4.789	4.789	(0.561)	13563	1.00000	1.0
$	47 1,2-Dichloroethane-d4 (SUR)	65	4.830	4.830	(0.941)	223585	50.0000	50
	61 Isopropyl Acetate	43	4.937	4.937	(0.962)	17695	2.00000	1.8(a)
	50 t-Amyl-methyl-ether	73	4.913	4.913	(0.957)	9233	1.00000	0.91(a)
	49 1,2-Dichloroethane	62	4.913	4.913	(0.957)	5776	1.00000	1.0
	51 n-Heptane	57	5.019	5.019	(0.978)	932	1.00000	0.55(aH)
*	52 Fluorobenzene	96	5.135	5.135	(1.000)	701951	50.0000	
	53 n-Butanol	56	5.587	5.587	(1.088)	41642	500.000	400(a)
	54 Trichloroethene	95	5.538	5.538	(1.079)	3553	1.00000	0.97(a)
	55 Ethyl Acrylate	55	5.744	5.744	(1.119)	4392	1.00000	0.84(a)
	56 Methyl cyclohexane	83	5.670	5.670	(1.104)	2135	1.00000	0.54(a)
	57 1,2-Dichloropropane	63	5.875	5.875	(1.144)	3662	1.00000	0.97(a)
	59 Methyl Methacrylate	100	6.032	6.032	(1.175)	775	1.00000	0.81(a)
	75 Propyl Acetate	43	6.114	6.114	(1.191)	10511	2.00000	1.7(a)
	60 1,4-Dioxane	88	6.032	6.032	(1.175)	1928	50.0000	36(a)
	58 Dibromomethane	93	6.024	6.024	(1.173)	2900	1.00000	1.0
	68 Bromodichloromethane	83	6.221	6.221	(1.212)	4251	1.00000	0.87(a)
	62 2-Chloroethyl Vinyl Ether	63	6.665	6.665	(1.298)	2190	1.00000	0.84(a)
	63 Epichlorohydrin	57	6.756	6.756	(0.792)	7468	20.0000	17
	67 cis-1,3-Dichloropropene	75	6.814	6.814	(0.798)	4946	1.00000	0.87(a)
	70 4-Methyl-2-Pentanone	43	7.019	7.019	(0.823)	19349	5.00000	4.7(a)
$	65 Toluene-d8 (SUR)	98	7.060	7.060	(0.827)	572734	50.0000	50

Data File: /chem/VOAMS2.i/8260_09/04-24-12/24apr12.b/b41434.d
Report Date: 25-Apr-2012 01:26

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	66 Toluene	91	7.135	7.135	(0.836)	15386	1.00000	1.1
	64 trans-1,3-Dichloropropene	75	7.488	7.488	(0.878)	4363	1.00000	0.85(a)
	69 1,1,2-Trichloroethane	83	7.669	7.669	(0.899)	2704	1.00000	0.92(a)
	71 Tetrachloroethene	166	7.686	7.686	(0.901)	2981	1.00000	0.87(a)
	72 1,3-Dichloropropane	76	7.842	7.842	(0.919)	5499	1.00000	0.99(a)
	73 2-Hexanone	43	7.925	7.925	(0.929)	10173	5.00000	3.8(a)
	76 Butyl Acetate	73	8.032	8.032	(0.941)	1573	2.00000	1.7(a)
	74 Dibromochloromethane	129	8.023	8.023	(0.940)	2923	1.00000	0.77(a)
	77 1,2-Dibromoethane	107	8.122	8.122	(0.952)	3571	1.00000	0.94(a)
*	78 Chlorobenzene-d5	117	8.534	8.534	(1.000)	487503	50.0000	
	79 Chlorobenzene	112	8.558	8.558	(1.003)	9283	1.00000	1.0
	81 Ethylbenzene	106	8.641	8.641	(1.013)	3784	1.00000	0.86(a)
	80 1,1,1,2-Tetrachloroethane	131	8.649	8.649	(1.014)	2809	1.00000	0.85(a)
	82 m+p-Xylene	106	8.748	8.748	(1.025)	8888	2.00000	1.7
	84 o-Xylene	106	9.085	9.085	(1.065)	4629	1.00000	0.87(a)
	85 Styrene	104	9.110	9.110	(1.067)	6765	1.00000	0.76(a)
	87 Amyl Acetate	43	9.274	9.274	(0.892)	3058	1.00000	0.75(a)
	86 Bromoform	173	9.274	9.274	(1.087)	1906	1.00000	0.73(a)
	88 Isopropylbenzene	105	9.373	9.373	(1.098)	9939	1.00000	0.77(a)
$	89 Bromofluorobenzene (SUR)	174	9.529	9.529	(0.916)	187660	50.0000	49
	92 1,1,2,2-Tetrachloroethane	83	9.678	9.678	(0.930)	4660	1.00000	1.0
	91 Bromobenzene	156	9.636	9.636	(0.926)	3773	1.00000	0.97(a)
	95 n-Propylbenzene	91	9.702	9.702	(0.933)	11995	1.00000	0.79(a)
	94 trans-1,4-Dichloro-2-butene	53	9.735	9.735	(0.936)	958	1.00000	0.80(a)
	93 1,2,3-Trichloropropane	110	9.710	9.710	(0.934)	1196	1.00000	0.92(a)
	96 2-Chlorotoluene	91	9.776	9.776	(0.940)	8410	1.00000	0.89(a)
	97 1,3,5-Trimethylbenzene	105	9.842	9.842	(0.946)	7831	1.00000	0.76(a)
	98 4-Chlorotoluene	91	9.875	9.875	(0.949)	9870	1.00000	0.89(a)
	100 tert-Butylbenzene	119	10.073	10.073	(0.968)	6253	1.00000	0.72(a)
	101 1,2,4-Trimethylbenzene	105	10.122	10.122	(0.973)	8496	1.00000	0.79(a)
	103 sec-Butylbenzene	105	10.237	10.237	(0.984)	8125	1.00000	0.63(a)
	107 p-Isopropyltoluene	119	10.352	10.352	(0.995)	6859	1.00000	0.65(a)
	105 1,3-Dichlorobenzene	146	10.344	10.344	(0.994)	6081	1.00000	0.89(a)
*	108 1,4-Dichlorobenzene-d4	152	10.402	10.402	(1.000)	237184	50.0000	
	109 1,4-Dichlorobenzene	146	10.418	10.418	(1.002)	6966	1.00000	0.98(a)
	110 Benzyl Chloride	91	10.525	10.525	(1.012)	5103	1.00000	0.73(a)
	106 n-Butylbenzene	91	10.640	10.640	(1.023)	6552	1.00000	0.65(a)
	111 1,2-Dichlorobenzene	146	10.690	10.690	(1.028)	6224	1.00000	0.92(a)
	112 1,2-Dibromo-3-chloropropane	75	11.249	11.249	(1.081)	624	1.00000	0.78(a)
	114 1,2,4-Trichlorobenzene	180	11.784	11.784	(1.133)	3508	1.00000	0.75(a)
	115 Hexachlorobutadiene	225	11.858	11.858	(1.140)	976	1.00000	0.54(a)
	116 Naphthalene	128	11.965	11.965	(1.150)	8965	1.00000	0.73(a)
	117 1,2,3-Trichlorobenzene	180	12.122	12.122	(1.165)	3631	1.00000	0.78(a)
M	120 1,2-Dichloroethene (Total)	100				7357	2.00000	2.0
M	121 Xylene (Total)	100				13517	3.00000	2.5(a)

Data File: /chem/VOAMS2.i/8260_09/04-24-12/24apr12.b/b41434.d
Report Date: 25-Apr-2012 01:26

QC Flag Legend

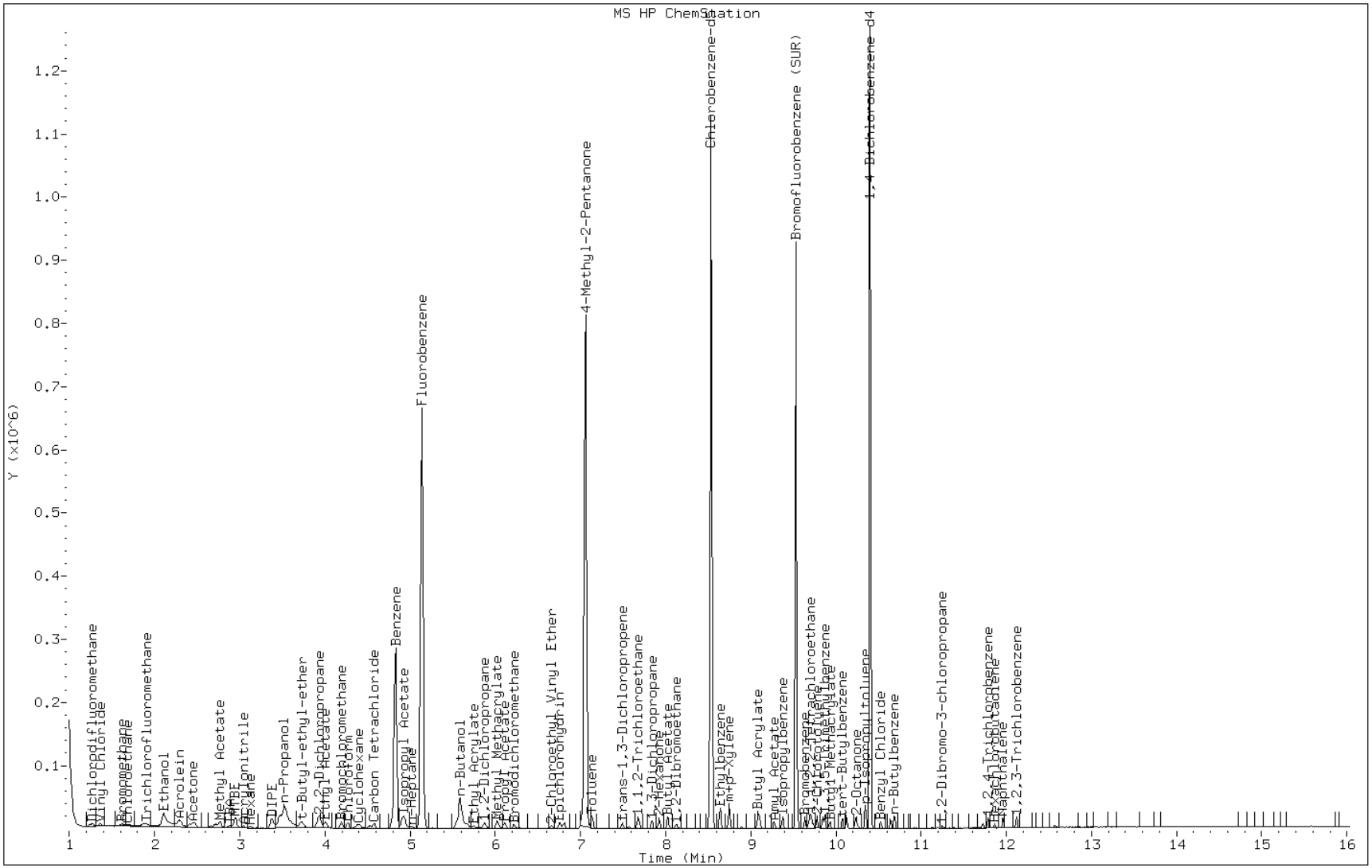
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
H - Operator selected an alternate compound hit.

Data File: b41434.d

Date: 24-APR-2012 21:45

Client ID: Instrument: VOAMS2.i

Sample Info: IC-VMCAL1 Operator: VOA GC/MS2



Data File: /chem/VOAMS2.i/8260_09/04-24-12/24apr12.b/b41435.d
Report Date: 25-Apr-2012 01:36

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS2.i/8260_09/04-24-12/24apr12.b/b41435.d
Lab Smp Id: IC-VMCAL2
Inj Date : 24-APR-2012 22:07
Operator : VOA GC/MS2 Inst ID: VOAMS2.i
Smp Info : IC-VMCAL2
Misc Info :
Comment :
Method : /chem/VOAMS2.i/8260_09/04-24-12/24apr12.b/8260_09.m
Meth Date : 25-Apr-2012 01:36 ken Quant Type: ISTD
Cal Date : 24-APR-2012 22:07 Cal File: b41435.d
Als bottle: 5 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * (Vt/Ws)/((100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (mL)
Ws	5.00000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
2 Dichlorodifluoromethane	85	1.135	1.135	(0.221)	17343	5.00000	5.3
3 Chloromethane	50	1.267	1.267	(0.247)	18713	5.00000	5.4
4 Vinyl Chloride	62	1.365	1.365	(0.266)	20693	5.00000	5.6
6 Bromomethane	94	1.621	1.621	(0.316)	9419	5.00000	5.8
5 Chloroethane	64	1.695	1.695	(0.330)	7972	5.00000	5.7
7 Trichlorofluoromethane	101	1.867	1.867	(0.364)	27856	5.00000	5.9
9 Ethanol	46	2.106	2.106	(0.410)	35297	2000.00	2000
11 Ethyl Ether	59	2.114	2.114	(0.412)	13614	5.00000	5.6
10 Isoprene	67	2.114	2.114	(0.412)	20644	5.00000	6.5
13 Acrolein	56	2.279	2.279	(0.444)	15805	20.0000	22
14 Freon TF	101	2.279	2.279	(0.444)	16357	5.00000	5.9
15 1,1-Dichloroethene	96	2.295	2.295	(0.447)	15302	5.00000	5.9
16 Acetone	43	2.411	2.411	(0.469)	21317	15.0000	15
17 Iodomethane	142	2.452	2.452	(0.477)	36602	5.00000	5.4

Data File: /chem/VOAMS2.i/8260_09/04-24-12/24apr12.b/b41435.d
Report Date: 25-Apr-2012 01:36

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	18 Carbon Disulfide	76	2.468	2.468	(0.481)	48402	5.00000	5.2
	27 Methyl Acetate	43	2.658	2.658	(0.518)	22217	5.00000	5.5
	21 Acetonitrile	41	2.715	2.715	(0.529)	64187	100.000	100
	22 Methylene Chloride	84	2.773	2.773	(0.540)	20347	5.00000	5.2
	24 TBA	59	2.880	2.880	(0.561)	45178	100.000	97
	28 MTBE	73	2.946	2.946	(0.574)	56455	5.00000	5.2
	25 trans-1,2-Dichloroethene	96	2.954	2.954	(0.575)	18255	5.00000	5.4
	26 Acrylonitrile	53	3.044	3.044	(0.593)	16090	10.0000	10
	29 Hexane	43	3.127	3.127	(0.609)	14591	5.00000	6.0
	32 DIPE	45	3.374	3.374	(0.657)	63309	5.00000	5.3
	30 1,1-Dichloroethane	63	3.382	3.382	(0.659)	33875	5.00000	5.3
	31 Vinyl Acetate	43	3.423	3.423	(0.667)	38821	5.00000	4.4
	34 n-Propanol	42	3.530	3.530	(0.687)	46776	2000.00	2000
	35 t-Butyl-ethyl-ether	59	3.727	3.727	(0.726)	63138	5.00000	5.4
	37 2,2-Dichloropropane	77	3.908	3.908	(0.761)	25539	5.00000	5.4
	36 cis-1,2-Dichloroethene	96	3.950	3.950	(0.769)	21194	5.00000	5.3
	39 Ethyl Acetate	70	4.007	4.007	(0.780)	4700	10.0000	11
	38 2-Butanone	72	3.999	3.999	(0.779)	6812	15.0000	13
	40 Bromochloromethane	128	4.197	4.197	(0.817)	11845	5.00000	5.4
	41 Tetrahydrofuran	42	4.197	4.197	(0.817)	8738	5.00000	6.5
	42 Chloroform	83	4.271	4.271	(0.832)	35475	5.00000	5.3
	44 Cyclohexane	56	4.378	4.378	(0.853)	26164	5.00000	5.2
	43 1,1,1-Trichloroethane	97	4.402	4.402	(0.857)	27256	5.00000	5.3
	45 Carbon Tetrachloride	117	4.534	4.534	(0.883)	22803	5.00000	4.4
	46 1,1-Dichloropropene	75	4.575	4.575	(0.891)	26617	5.00000	5.6
	48 Benzene	78	4.797	4.797	(0.562)	70014	5.00000	5.3
$	47 1,2-Dichloroethane-d4 (SUR)	65	4.830	4.830	(0.941)	224829	50.0000	50
	61 Isopropyl Acetate	43	4.937	4.937	(0.962)	95725	10.0000	10
	50 t-Amyl-methyl-ether	73	4.912	4.912	(0.957)	50250	5.00000	5.0
	49 1,2-Dichloroethane	62	4.912	4.912	(0.957)	28213	5.00000	5.2
	51 n-Heptane	57	5.011	5.011	(0.976)	10816	5.00000	5.6
*	52 Fluorobenzene	96	5.135	5.135	(1.000)	696758	50.0000	
	53 n-Butanol	56	5.587	5.587	(1.088)	90870	1000.00	880
	54 Trichloroethene	95	5.546	5.546	(1.080)	19588	5.00000	5.4
	55 Ethyl Acrylate	55	5.744	5.744	(1.119)	25760	5.00000	5.0
	56 Methyl cyclohexane	83	5.670	5.670	(1.104)	24146	5.00000	5.2
	57 1,2-Dichloropropane	63	5.875	5.875	(1.144)	19617	5.00000	5.2
	59 Methyl Methacrylate	100	6.032	6.032	(1.175)	4243	5.00000	4.5
	75 Propyl Acetate	43	6.114	6.114	(1.191)	59344	10.0000	9.8
	60 1,4-Dioxane	88	6.032	6.032	(1.175)	3938	100.000	76
	58 Dibromomethane	93	6.024	6.024	(1.173)	14495	5.00000	5.1
	68 Bromodichloromethane	83	6.221	6.221	(1.212)	23160	5.00000	4.8
	62 2-Chloroethyl Vinyl Ether	63	6.665	6.665	(1.298)	12151	5.00000	4.7
	63 Epichlorohydrin	57	6.756	6.756	(0.792)	42828	100.000	99
	67 cis-1,3-Dichloropropene	75	6.814	6.814	(0.798)	28270	5.00000	5.0
	70 4-Methyl-2-Pentanone	43	7.019	7.019	(0.823)	56177	15.0000	14
$	65 Toluene-d8 (SUR)	98	7.060	7.060	(0.827)	577994	50.0000	50

Data File: /chem/VOAMS2.i/8260_09/04-24-12/24apr12.b/b41435.d
Report Date: 25-Apr-2012 01:36

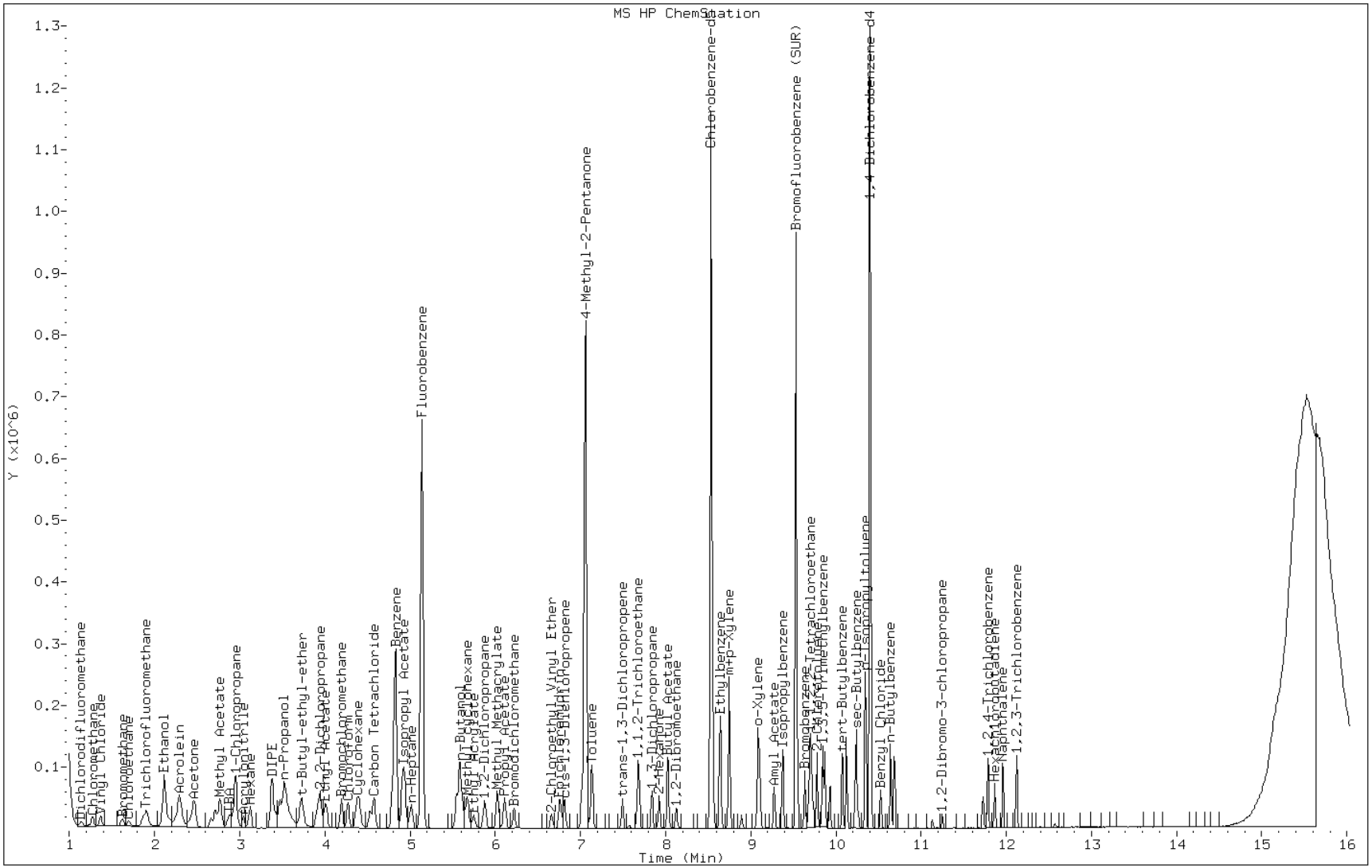
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
66	Toluene	91	7.135	7.135	(0.836)	77198	5.00000	5.5
64	trans-1,3-Dichloropropene	75	7.497	7.497	(0.878)	24341	5.00000	4.7
69	1,1,2-Trichloroethane	83	7.669	7.669	(0.899)	15359	5.00000	5.2
71	Tetrachloroethene	166	7.686	7.686	(0.901)	18600	5.00000	5.4
72	1,3-Dichloropropane	76	7.842	7.842	(0.919)	29085	5.00000	5.2
73	2-Hexanone	43	7.925	7.925	(0.929)	33887	15.0000	13
76	Butyl Acetate	73	8.032	8.032	(0.941)	8835	10.0000	9.3
74	Dibromochloromethane	129	8.023	8.023	(0.940)	17327	5.00000	4.5
77	1,2-Dibromoethane	107	8.122	8.122	(0.952)	19094	5.00000	5.0
* 78	Chlorobenzene-d5	117	8.534	8.534	(1.000)	489787	50.0000	
79	Chlorobenzene	112	8.558	8.558	(1.003)	49042	5.00000	5.3
81	Ethylbenzene	106	8.641	8.641	(1.013)	22561	5.00000	5.1
80	1,1,1,2-Tetrachloroethane	131	8.649	8.649	(1.014)	15091	5.00000	4.5
82	m+p-Xylene	106	8.748	8.748	(1.025)	56085	10.0000	10
84	o-Xylene	106	9.085	9.085	(1.065)	26547	5.00000	5.0
85	Styrene	104	9.110	9.110	(1.067)	42683	5.00000	4.8
87	Amyl Acetate	43	9.274	9.274	(0.892)	19146	5.00000	4.6
86	Bromoform	173	9.274	9.274	(1.087)	10906	5.00000	4.1
88	Isopropylbenzene	105	9.373	9.373	(1.098)	68544	5.00000	5.3
$ 89	Bromofluorobenzene (SUR)	174	9.529	9.529	(0.916)	188507	50.0000	48
92	1,1,2,2-Tetrachloroethane	83	9.686	9.686	(0.931)	23073	5.00000	4.9
91	Bromobenzene	156	9.636	9.636	(0.926)	20543	5.00000	5.2
95	n-Propylbenzene	91	9.702	9.702	(0.933)	83958	5.00000	5.4
94	trans-1,4-Dichloro-2-butene	53	9.735	9.735	(0.936)	6398	5.00000	5.2
93	1,2,3-Trichloropropane	110	9.719	9.719	(0.934)	7035	5.00000	5.3
96	2-Chlorotoluene	91	9.776	9.776	(0.940)	51014	5.00000	5.3
97	1,3,5-Trimethylbenzene	105	9.842	9.842	(0.946)	54717	5.00000	5.2
98	4-Chlorotoluene	91	9.867	9.867	(0.949)	59836	5.00000	5.3
100	tert-Butylbenzene	119	10.073	10.073	(0.968)	48786	5.00000	5.5
101	1,2,4-Trimethylbenzene	105	10.122	10.122	(0.973)	56957	5.00000	5.2
103	sec-Butylbenzene	105	10.237	10.237	(0.984)	74667	5.00000	5.7
107	p-Isopropyltoluene	119	10.344	10.344	(0.994)	58096	5.00000	5.4
105	1,3-Dichlorobenzene	146	10.344	10.344	(0.994)	36040	5.00000	5.2
* 108	1,4-Dichlorobenzene-d4	152	10.402	10.402	(1.000)	241800	50.0000	
109	1,4-Dichlorobenzene	146	10.418	10.418	(1.002)	37544	5.00000	5.2
110	Benzyl Chloride	91	10.525	10.525	(1.012)	30215	5.00000	4.2
106	n-Butylbenzene	91	10.640	10.640	(1.023)	56032	5.00000	5.5
111	1,2-Dichlorobenzene	146	10.681	10.681	(1.027)	35296	5.00000	5.1
112	1,2-Dibromo-3-chloropropane	75	11.249	11.249	(1.081)	3823	5.00000	4.7
114	1,2,4-Trichlorobenzene	180	11.784	11.784	(1.133)	24241	5.00000	5.1
115	Hexachlorobutadiene	225	11.867	11.867	(1.141)	10072	5.00000	5.5
116	Naphthalene	128	11.957	11.957	(1.150)	60834	5.00000	4.8
117	1,2,3-Trichlorobenzene	180	12.122	12.122	(1.165)	24296	5.00000	5.1
M 120	1,2-Dichloroethene (Total)	100				39449	10.0000	11
M 121	Xylene (Total)	100				82632	15.0000	15

Data File: b41435.d

Date: 24-APR-2012 22:07

Client ID: Instrument: VOAMS2.i

Sample Info: IC-VMCAL2 Operator: VOA GC/MS2



Data File: /chem/VOAMS2.i/8260_09/04-24-12/24apr12.b/b41436.d
Report Date: 25-Apr-2012 01:36

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS2.i/8260_09/04-24-12/24apr12.b/b41436.d
Lab Smp Id: ICIS-VMCAL3
Inj Date : 24-APR-2012 22:29
Operator : VOA GC/MS2 Inst ID: VOAMS2.i
Smp Info : ICIS-VMCAL3
Misc Info :
Comment :
Method : /chem/VOAMS2.i/8260_09/04-24-12/24apr12.b/8260_09.m
Meth Date : 25-Apr-2012 01:36 ken Quant Type: ISTD
Cal Date : 24-APR-2012 22:29 Cal File: b41436.d
Als bottle: 6 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * (Vt/Ws)/((100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (mL)
Ws	5.00000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
2 Dichlorodifluoromethane	85	1.135	1.135	(0.221)	66842	20.0000	19
3 Chloromethane	50	1.267	1.267	(0.247)	71998	20.0000	20
4 Vinyl Chloride	62	1.357	1.357	(0.264)	78090	20.0000	20
6 Bromomethane	94	1.621	1.621	(0.316)	33206	20.0000	20
5 Chloroethane	64	1.695	1.695	(0.330)	28746	20.0000	20
7 Trichlorofluoromethane	101	1.868	1.868	(0.364)	97403	20.0000	20
9 Ethanol	46	2.106	2.106	(0.410)	55894	3000.00	3000
11 Ethyl Ether	59	2.106	2.106	(0.410)	51481	20.0000	20
10 Isoprene	67	2.114	2.114	(0.412)	58522	20.0000	18
13 Acrolein	56	2.271	2.271	(0.442)	29947	40.0000	39
14 Freon TF	101	2.279	2.279	(0.444)	44055	20.0000	15
15 1,1-Dichloroethene	96	2.304	2.304	(0.449)	45465	20.0000	17
16 Acetone	43	2.411	2.411	(0.469)	32271	20.0000	22
17 Iodomethane	142	2.444	2.444	(0.476)	131814	20.0000	19

Data File: /chem/VOAMS2.i/8260_09/04-24-12/24apr12.b/b41436.d
Report Date: 25-Apr-2012 01:36

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	18 Carbon Disulfide	76	2.468	2.468	(0.481)	167720	20.0000	17
	27 Methyl Acetate	43	2.658	2.658	(0.518)	84318	20.0000	20
	21 Acetonitrile	41	2.707	2.707	(0.527)	261483	400.000	400
	22 Methylene Chloride	84	2.765	2.765	(0.538)	75839	20.0000	18
	24 TBA	59	2.880	2.880	(0.561)	194832	400.000	400
	28 MTBE	73	2.937	2.937	(0.572)	222800	20.0000	20
	25 trans-1,2-Dichloroethene	96	2.946	2.946	(0.574)	62890	20.0000	18
	26 Acrylonitrile	53	3.044	3.044	(0.593)	34718	20.0000	21
	29 Hexane	43	3.118	3.118	(0.607)	34980	20.0000	14
	32 DIPE	45	3.374	3.374	(0.657)	244433	20.0000	20
	30 1,1-Dichloroethane	63	3.374	3.374	(0.657)	121647	20.0000	18
	31 Vinyl Acetate	43	3.423	3.423	(0.667)	184037	20.0000	20
	34 n-Propanol	42	3.522	3.522	(0.686)	78635	3000.00	3200
	35 t-Butyl-ethyl-ether	59	3.719	3.719	(0.724)	237816	20.0000	20
	37 2,2-Dichloropropane	77	3.909	3.909	(0.761)	89815	20.0000	18
	36 cis-1,2-Dichloroethene	96	3.941	3.941	(0.768)	77364	20.0000	18
	39 Ethyl Acetate	70	4.015	4.015	(0.782)	19061	40.0000	42
	38 2-Butanone	72	3.991	3.991	(0.777)	11786	20.0000	22
	40 Bromochloromethane	128	4.188	4.188	(0.816)	43112	20.0000	19
	41 Tetrahydrofuran	42	4.197	4.197	(0.817)	29743	20.0000	21
	42 Chloroform	83	4.271	4.271	(0.832)	129144	20.0000	18
	44 Cyclohexane	56	4.369	4.369	(0.851)	72666	20.0000	14
	43 1,1,1-Trichloroethane	97	4.402	4.402	(0.857)	92875	20.0000	17
	45 Carbon Tetrachloride	117	4.534	4.534	(0.883)	73512	20.0000	14
	46 1,1-Dichloropropene	75	4.575	4.575	(0.891)	85280	20.0000	17
	48 Benzene	78	4.789	4.789	(0.561)	255605	20.0000	19
$	47 1,2-Dichloroethane-d4 (SUR)	65	4.822	4.822	(0.939)	233861	50.0000	50
	61 Isopropyl Acetate	43	4.937	4.937	(0.962)	401243	40.0000	40
	50 t-Amyl-methyl-ether	73	4.913	4.913	(0.957)	207988	20.0000	20
	49 1,2-Dichloroethane	62	4.913	4.913	(0.957)	109003	20.0000	19
	51 n-Heptane	57	5.011	5.011	(0.976)	28866	20.0000	14
*	52 Fluorobenzene	96	5.135	5.135	(1.000)	729170	50.0000	
	53 n-Butanol	56	5.587	5.587	(1.088)	164258	1500.00	1500
	54 Trichloroethene	95	5.538	5.538	(1.079)	66804	20.0000	18
	55 Ethyl Acrylate	55	5.744	5.744	(1.119)	104274	20.0000	19
	56 Methyl cyclohexane	83	5.670	5.670	(1.104)	67171	20.0000	14
	57 1,2-Dichloropropane	63	5.875	5.875	(1.144)	74149	20.0000	19
	59 Methyl Methacrylate	100	6.024	6.024	(1.173)	19828	20.0000	20
	75 Propyl Acetate	43	6.106	6.106	(1.189)	253726	40.0000	40
	60 1,4-Dioxane	88	6.032	6.032	(1.175)	7149	150.000	130
	58 Dibromomethane	93	6.015	6.015	(1.171)	56509	20.0000	19
	68 Bromodichloromethane	83	6.221	6.221	(1.212)	94929	20.0000	19
	62 2-Chloroethyl Vinyl Ether	63	6.657	6.657	(1.296)	53680	20.0000	20
	63 Epichlorohydrin	57	6.756	6.756	(0.792)	187199	400.000	420
	67 cis-1,3-Dichloropropene	75	6.814	6.814	(0.798)	116258	20.0000	19
	70 4-Methyl-2-Pentanone	43	7.019	7.019	(0.823)	88978	20.0000	20
$	65 Toluene-d8 (SUR)	98	7.052	7.052	(0.826)	607985	50.0000	50

Data File: /chem/VOAMS2.i/8260_09/04-24-12/24apr12.b/b41436.d
Report Date: 25-Apr-2012 01:36

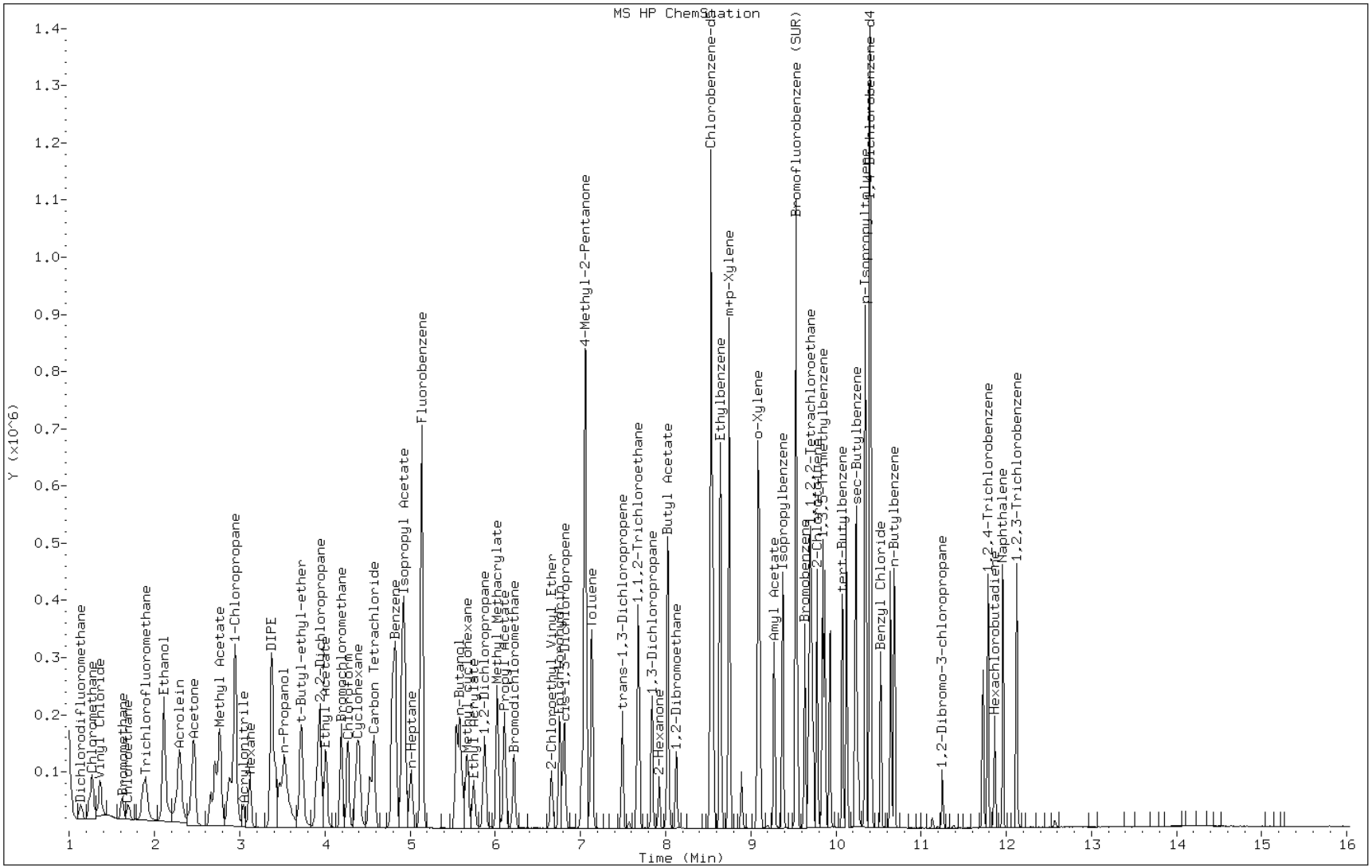
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
66	Toluene	91	7.135	7.135	(0.836)	266544	20.0000	18
64	trans-1,3-Dichloropropene	75	7.488	7.488	(0.878)	103266	20.0000	19
69	1,1,2-Trichloroethane	83	7.669	7.669	(0.899)	59362	20.0000	19
71	Tetrachloroethene	166	7.686	7.686	(0.901)	61040	20.0000	17
72	1,3-Dichloropropane	76	7.842	7.842	(0.919)	114089	20.0000	19
73	2-Hexanone	43	7.925	7.925	(0.929)	57207	20.0000	20
76	Butyl Acetate	73	8.032	8.032	(0.941)	38845	40.0000	39
74	Dibromochloromethane	129	8.023	8.023	(0.940)	73669	20.0000	18
77	1,2-Dibromoethane	107	8.122	8.122	(0.952)	76011	20.0000	19
* 78	Chlorobenzene-d5	117	8.534	8.534	(1.000)	511661	50.0000	
79	Chlorobenzene	112	8.558	8.558	(1.003)	182994	20.0000	19
81	Ethylbenzene	106	8.641	8.641	(1.013)	83212	20.0000	18
80	1,1,1,2-Tetrachloroethane	131	8.649	8.649	(1.014)	65487	20.0000	19
82	m+p-Xylene	106	8.748	8.748	(1.025)	205890	40.0000	37
84	o-Xylene	106	9.085	9.085	(1.065)	104024	20.0000	18
85	Styrene	104	9.110	9.110	(1.067)	178604	20.0000	19
87	Amyl Acetate	43	9.274	9.274	(0.892)	88247	20.0000	20
86	Bromoform	173	9.274	9.274	(1.087)	49100	20.0000	18
88	Isopropylbenzene	105	9.373	9.373	(1.098)	241375	20.0000	18
$ 89	Bromofluorobenzene (SUR)	174	9.529	9.529	(0.916)	205300	50.0000	50
92	1,1,2,2-Tetrachloroethane	83	9.686	9.686	(0.931)	97002	20.0000	19
91	Bromobenzene	156	9.636	9.636	(0.926)	79447	20.0000	19
95	n-Propylbenzene	91	9.702	9.702	(0.933)	290227	20.0000	18
94	trans-1,4-Dichloro-2-butene	53	9.735	9.735	(0.936)	26335	20.0000	20
93	1,2,3-Trichloropropane	110	9.719	9.719	(0.934)	27143	20.0000	19
96	2-Chlorotoluene	91	9.776	9.776	(0.940)	189351	20.0000	18
97	1,3,5-Trimethylbenzene	105	9.842	9.842	(0.946)	204323	20.0000	18
98	4-Chlorotoluene	91	9.867	9.867	(0.949)	222119	20.0000	18
100	tert-Butylbenzene	119	10.073	10.073	(0.968)	163325	20.0000	17
101	1,2,4-Trimethylbenzene	105	10.122	10.122	(0.973)	216292	20.0000	19
103	sec-Butylbenzene	105	10.237	10.237	(0.984)	238098	20.0000	17
107	p-Isopropyltoluene	119	10.344	10.344	(0.994)	199460	20.0000	17
105	1,3-Dichlorobenzene	146	10.344	10.344	(0.994)	137057	20.0000	18
* 108	1,4-Dichlorobenzene-d4	152	10.402	10.402	(1.000)	257168	50.0000	
109	1,4-Dichlorobenzene	146	10.418	10.418	(1.002)	143167	20.0000	18
110	Benzyl Chloride	91	10.525	10.525	(1.012)	150638	20.0000	20
106	n-Butylbenzene	91	10.640	10.640	(1.023)	184470	20.0000	17
111	1,2-Dichlorobenzene	146	10.682	10.682	(1.027)	138700	20.0000	19
112	1,2-Dibromo-3-chloropropane	75	11.249	11.249	(1.081)	15911	20.0000	18
114	1,2,4-Trichlorobenzene	180	11.784	11.784	(1.133)	95369	20.0000	19
115	Hexachlorobutadiene	225	11.867	11.867	(1.141)	28841	20.0000	15
116	Naphthalene	128	11.957	11.957	(1.150)	264951	20.0000	20
117	1,2,3-Trichlorobenzene	180	12.122	12.122	(1.165)	94931	20.0000	19
M 120	1,2-Dichloroethene (Total)	100				140254	40.0000	36
M 121	Xylene (Total)	100				309914	60.0000	55

Data File: b41436.d

Date: 24-APR-2012 22:29

Client ID: Instrument: VOAMS2.i

Sample Info: ICIS-VMCAL3 Operator: VOA GC/MS2



Data File: /chem/VOAMS2.i/8260_09/04-24-12/24apr12.b/b41437.d
Report Date: 25-Apr-2012 01:36

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS2.i/8260_09/04-24-12/24apr12.b/b41437.d
Lab Smp Id: IC-VMCAL4
Inj Date : 24-APR-2012 22:51
Operator : VOA GC/MS2 Inst ID: VOAMS2.i
Smp Info : IC-VMCAL4
Misc Info :
Comment :
Method : /chem/VOAMS2.i/8260_09/04-24-12/24apr12.b/8260_09.m
Meth Date : 25-Apr-2012 01:36 ken Quant Type: ISTD
Cal Date : 24-APR-2012 22:51 Cal File: b41437.d
Als bottle: 7 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * (Vt/Ws)/((100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (mL)
Ws	5.00000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
2 Dichlorodifluoromethane	85	1.143	1.143	(0.222)	167204	50.0000	48
3 Chloromethane	50	1.283	1.283	(0.250)	174742	50.0000	48
4 Vinyl Chloride	62	1.374	1.374	(0.267)	195384	50.0000	50
6 Bromomethane	94	1.629	1.629	(0.317)	81426	50.0000	48
5 Chloroethane	64	1.703	1.703	(0.331)	71128	50.0000	48
7 Trichlorofluoromethane	101	1.884	1.884	(0.366)	248694	50.0000	50
9 Ethanol	46	2.106	2.106	(0.410)	73163	4000.00	3800
11 Ethyl Ether	59	2.114	2.114	(0.411)	126552	50.0000	50
10 Isoprene	67	2.123	2.123	(0.413)	175523	50.0000	53
13 Acrolein	56	2.287	2.287	(0.445)	79222	100.000	100
14 Freon TF	101	2.287	2.287	(0.445)	148795	50.0000	51
15 1,1-Dichloroethene	96	2.304	2.304	(0.448)	143924	50.0000	53
16 Acetone	43	2.411	2.411	(0.469)	72732	50.0000	48
17 Iodomethane	142	2.460	2.460	(0.478)	349496	50.0000	49

Data File: /chem/VOAMS2.i/8260_09/04-24-12/24apr12.b/b41437.d
Report Date: 25-Apr-2012 01:36

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	18 Carbon Disulfide	76	2.477	2.477	(0.482)	501850	50.0000	52
	27 Methyl Acetate	43	2.666	2.666	(0.518)	202564	50.0000	48
	21 Acetonitrile	41	2.715	2.715	(0.528)	631564	1000.00	970
	22 Methylene Chloride	84	2.773	2.773	(0.539)	199502	50.0000	48
	24 TBA	59	2.888	2.888	(0.562)	491075	1000.00	1000
	28 MTBE	73	2.946	2.946	(0.573)	564943	50.0000	50
	25 trans-1,2-Dichloroethene	96	2.954	2.954	(0.574)	179916	50.0000	51
	26 Acrylonitrile	53	3.053	3.053	(0.594)	84798	50.0000	51
	29 Hexane	43	3.127	3.127	(0.608)	122771	50.0000	48
	32 DIPE	45	3.382	3.382	(0.658)	623138	50.0000	49
	30 1,1-Dichloroethane	63	3.382	3.382	(0.658)	334337	50.0000	50
	31 Vinyl Acetate	43	3.423	3.423	(0.666)	456322	50.0000	49
	34 n-Propanol	42	3.530	3.530	(0.686)	109184	4000.00	4400
	35 t-Butyl-ethyl-ether	59	3.727	3.727	(0.725)	590014	50.0000	48
	37 2,2-Dichloropropane	77	3.917	3.917	(0.762)	261000	50.0000	52
	36 cis-1,2-Dichloroethene	96	3.950	3.950	(0.768)	210159	50.0000	50
	39 Ethyl Acetate	70	4.015	4.015	(0.781)	45396	100.000	99
	38 2-Butanone	72	3.999	3.999	(0.778)	28374	50.0000	53
	40 Bromochloromethane	128	4.197	4.197	(0.816)	115753	50.0000	50
	41 Tetrahydrofuran	42	4.197	4.197	(0.816)	71379	50.0000	50
	42 Chloroform	83	4.271	4.271	(0.830)	351884	50.0000	50
	44 Cyclohexane	56	4.378	4.378	(0.851)	250751	50.0000	47
	43 1,1,1-Trichloroethane	97	4.410	4.410	(0.858)	283967	50.0000	53
	45 Carbon Tetrachloride	117	4.534	4.534	(0.882)	240918	50.0000	44
	46 1,1-Dichloropropene	75	4.583	4.583	(0.891)	261483	50.0000	52
	48 Benzene	78	4.797	4.797	(0.562)	702491	50.0000	50
$	47 1,2-Dichloroethane-d4 (SUR)	65	4.830	4.830	(0.939)	235346	50.0000	50
	61 Isopropyl Acetate	43	4.937	4.937	(0.960)	1027257	100.000	100
	50 t-Amyl-methyl-ether	73	4.912	4.912	(0.955)	527989	50.0000	50
	49 1,2-Dichloroethane	62	4.912	4.912	(0.955)	285107	50.0000	50
	51 n-Heptane	57	5.019	5.019	(0.976)	98145	50.0000	48
*	52 Fluorobenzene	96	5.143	5.143	(1.000)	732584	50.0000	
	53 n-Butanol	56	5.587	5.587	(1.086)	221276	2000.00	2000
	54 Trichloroethene	95	5.546	5.546	(1.078)	192479	50.0000	50
	55 Ethyl Acrylate	55	5.752	5.752	(1.118)	272567	50.0000	50
	56 Methyl cyclohexane	83	5.670	5.670	(1.102)	230938	50.0000	48
	57 1,2-Dichloropropane	63	5.875	5.875	(1.142)	196846	50.0000	50
	59 Methyl Methacrylate	100	6.032	6.032	(1.173)	50805	50.0000	51
	75 Propyl Acetate	43	6.114	6.114	(1.189)	652970	100.000	100
	60 1,4-Dioxane	88	6.032	6.032	(1.173)	10439	200.000	190
	58 Dibromomethane	93	6.024	6.024	(1.171)	149816	50.0000	50
	68 Bromodichloromethane	83	6.221	6.221	(1.210)	260663	50.0000	51
	62 2-Chloroethyl Vinyl Ether	63	6.665	6.665	(1.296)	140131	50.0000	52
	63 Epichlorohydrin	57	6.764	6.764	(0.793)	473472	1000.00	1000
	67 cis-1,3-Dichloropropene	75	6.814	6.814	(0.798)	317420	50.0000	52
	70 4-Methyl-2-Pentanone	43	7.019	7.019	(0.823)	226591	50.0000	51
$	65 Toluene-d8 (SUR)	98	7.060	7.060	(0.827)	612566	50.0000	50

Data File: /chem/VOAMS2.i/8260_09/04-24-12/24apr12.b/b41437.d
Report Date: 25-Apr-2012 01:36

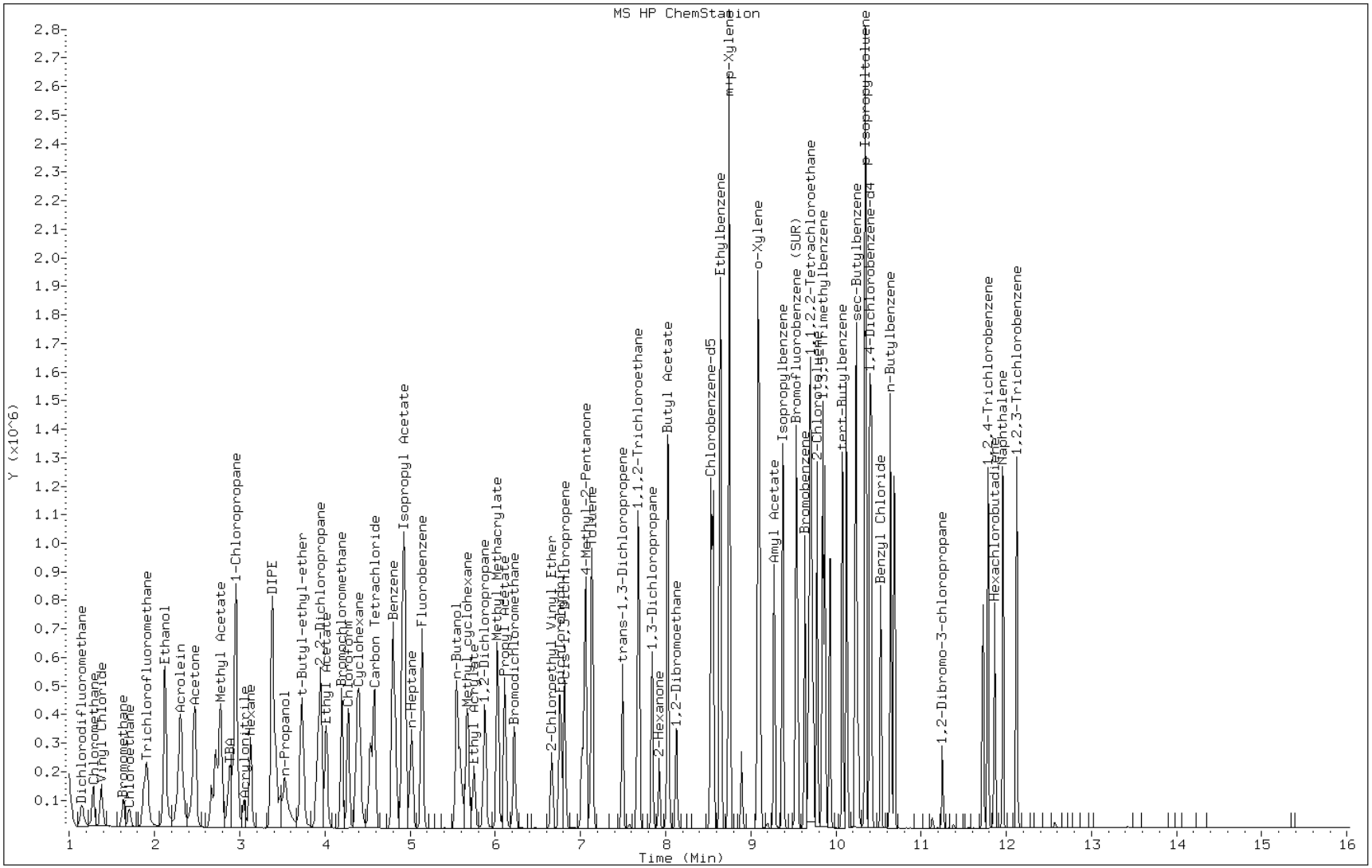
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
66	Toluene	91	7.135	7.135	(0.836)	738971	50.0000	49
64	trans-1,3-Dichloropropene	75	7.497	7.497	(0.878)	288043	50.0000	53
69	1,1,2-Trichloroethane	83	7.669	7.669	(0.899)	161338	50.0000	51
71	Tetrachloroethene	166	7.686	7.686	(0.901)	187450	50.0000	51
72	1,3-Dichloropropane	76	7.842	7.842	(0.919)	300941	50.0000	51
73	2-Hexanone	43	7.925	7.925	(0.929)	148915	50.0000	53
76	Butyl Acetate	73	8.032	8.032	(0.941)	104637	100.000	100
74	Dibromochloromethane	129	8.023	8.023	(0.940)	211165	50.0000	52
77	1,2-Dibromoethane	107	8.122	8.122	(0.952)	208952	50.0000	52
* 78	Chlorobenzene-d5	117	8.534	8.534	(1.000)	519298	50.0000	
79	Chlorobenzene	112	8.558	8.558	(1.003)	492605	50.0000	50
81	Ethylbenzene	106	8.641	8.641	(1.013)	245890	50.0000	52
80	1,1,1,2-Tetrachloroethane	131	8.649	8.649	(1.014)	187443	50.0000	53
82	m+p-Xylene	106	8.748	8.748	(1.025)	603204	100.000	110
84	o-Xylene	106	9.085	9.085	(1.065)	298850	50.0000	53
85	Styrene	104	9.110	9.110	(1.067)	515246	50.0000	54
87	Amyl Acetate	43	9.274	9.274	(0.892)	236698	50.0000	52
86	Bromoform	173	9.274	9.274	(1.087)	145699	50.0000	52
88	Isopropylbenzene	105	9.373	9.373	(1.098)	751278	50.0000	54
$ 89	Bromofluorobenzene (SUR)	174	9.529	9.529	(0.916)	211471	50.0000	50
92	1,1,2,2-Tetrachloroethane	83	9.686	9.686	(0.931)	264727	50.0000	51
91	Bromobenzene	156	9.636	9.636	(0.926)	217200	50.0000	50
95	n-Propylbenzene	91	9.702	9.702	(0.933)	911260	50.0000	54
94	trans-1,4-Dichloro-2-butene	53	9.735	9.735	(0.936)	68934	50.0000	52
93	1,2,3-Trichloropropane	110	9.719	9.719	(0.934)	74028	50.0000	52
96	2-Chlorotoluene	91	9.776	9.776	(0.940)	544410	50.0000	52
97	1,3,5-Trimethylbenzene	105	9.842	9.842	(0.946)	621475	50.0000	54
98	4-Chlorotoluene	91	9.867	9.867	(0.949)	639383	50.0000	52
100	tert-Butylbenzene	119	10.073	10.073	(0.968)	527404	50.0000	54
101	1,2,4-Trimethylbenzene	105	10.122	10.122	(0.973)	642345	50.0000	54
103	sec-Butylbenzene	105	10.237	10.237	(0.984)	793246	50.0000	56
107	p-Isopropyltoluene	119	10.344	10.344	(0.994)	662681	50.0000	56
105	1,3-Dichlorobenzene	146	10.344	10.344	(0.994)	395984	50.0000	52
* 108	1,4-Dichlorobenzene-d4	152	10.402	10.402	(1.000)	263703	50.0000	
109	1,4-Dichlorobenzene	146	10.418	10.418	(1.002)	402191	50.0000	51
110	Benzyl Chloride	91	10.525	10.525	(1.012)	413051	50.0000	53
106	n-Butylbenzene	91	10.640	10.640	(1.023)	631005	50.0000	56
111	1,2-Dichlorobenzene	146	10.682	10.682	(1.027)	381290	50.0000	51
112	1,2-Dibromo-3-chloropropane	75	11.249	11.249	(1.081)	46099	50.0000	52
114	1,2,4-Trichlorobenzene	180	11.784	11.784	(1.133)	277986	50.0000	53
115	Hexachlorobutadiene	225	11.867	11.867	(1.141)	112668	50.0000	56
116	Naphthalene	128	11.965	11.965	(1.150)	743584	50.0000	54
117	1,2,3-Trichlorobenzene	180	12.122	12.122	(1.165)	268788	50.0000	52
M 120	1,2-Dichloroethene (Total)	100				390075	100.000	100
M 121	Xylene (Total)	100				902054	150.000	160

Data File: b41437.d

Date: 24-APR-2012 22:51

Client ID: Instrument: VOAMS2.i

Sample Info: IC-VMCAL4 Operator: VOA GC/MS2



Data File: /chem/VOAMS2.i/8260_09/04-24-12/24apr12.b/b41438.d
Report Date: 25-Apr-2012 01:36

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VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS2.i/8260_09/04-24-12/24apr12.b/b41438.d
Lab Smp Id: IC-VMCAL5
Inj Date : 24-APR-2012 23:13
Operator : VOA GC/MS2 Inst ID: VOAMS2.i
Smp Info : IC-VMCAL5
Misc Info :
Comment :
Method : /chem/VOAMS2.i/8260_09/04-24-12/24apr12.b/8260_09.m
Meth Date : 25-Apr-2012 01:36 ken Quant Type: ISTD
Cal Date : 24-APR-2012 23:13 Cal File: b41438.d
Als bottle: 8 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * (Vt/Ws)/((100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (mL)
Ws	5.00000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
2 Dichlorodifluoromethane	85	1.151	1.151	(0.224)	670740	200.000	190
3 Chloromethane	50	1.283	1.283	(0.250)	689694	200.000	190
4 Vinyl Chloride	62	1.382	1.382	(0.269)	768654	200.000	200
6 Bromomethane	94	1.637	1.637	(0.318)	318365	200.000	180
5 Chloroethane	64	1.711	1.711	(0.333)	280286	200.000	190
7 Trichlorofluoromethane	101	1.892	1.892	(0.368)	999535	200.000	200
9 Ethanol	46	2.114	2.114	(0.411)	97330	5000.00	5100
11 Ethyl Ether	59	2.114	2.114	(0.411)	488179	200.000	190
10 Isoprene	67	2.123	2.123	(0.413)	689974	200.000	210
13 Acrolein	56	2.287	2.287	(0.445)	136396	200.000	180
14 Freon TF	101	2.279	2.279	(0.443)	565466	200.000	190
15 1,1-Dichloroethene	96	2.320	2.320	(0.451)	529214	200.000	190
16 Acetone	43	2.419	2.419	(0.470)	274067	200.000	180
17 Iodomethane	142	2.460	2.460	(0.478)	1403702	200.000	200

Data File: /chem/VOAMS2.i/8260_09/04-24-12/24apr12.b/b41438.d
Report Date: 25-Apr-2012 01:36

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	18 Carbon Disulfide	76	2.485	2.485	(0.483)	2127235	200.000	220
	27 Methyl Acetate	43	2.666	2.666	(0.518)	796723	200.000	190
	21 Acetonitrile	41	2.715	2.715	(0.528)	2453486	4000.00	3800
	22 Methylene Chloride	84	2.781	2.781	(0.541)	777887	200.000	190
	24 TBA	59	2.888	2.888	(0.562)	2012100	4000.00	4100
	28 MTBE	73	2.954	2.954	(0.574)	2259211	200.000	200
	25 trans-1,2-Dichloroethene	96	2.962	2.962	(0.576)	716377	200.000	200
	26 Acrylonitrile	53	3.053	3.053	(0.594)	163661	100.000	98
	29 Hexane	43	3.127	3.127	(0.608)	493730	200.000	190
	32 DIPE	45	3.382	3.382	(0.658)	2487582	200.000	200
	30 1,1-Dichloroethane	63	3.382	3.382	(0.658)	1324139	200.000	200
	31 Vinyl Acetate	43	3.431	3.431	(0.667)	1886039	200.000	200
	34 n-Propanol	42	3.530	3.530	(0.686)	121654	5000.00	4900
	35 t-Butyl-ethyl-ether	59	3.727	3.727	(0.725)	2335248	200.000	190
	37 2,2-Dichloropropane	77	3.917	3.917	(0.762)	1030771	200.000	200
	36 cis-1,2-Dichloroethene	96	3.950	3.950	(0.768)	830882	200.000	200
	39 Ethyl Acetate	70	4.015	4.015	(0.781)	184822	400.000	400
	38 2-Butanone	72	3.999	3.999	(0.778)	114711	200.000	210
	40 Bromochloromethane	128	4.196	4.196	(0.816)	459318	200.000	200
	41 Tetrahydrofuran	42	4.205	4.205	(0.818)	278963	200.000	200
	42 Chloroform	83	4.271	4.271	(0.830)	1393542	200.000	200
	44 Cyclohexane	56	4.378	4.378	(0.851)	1006397	200.000	190
	43 1,1,1-Trichloroethane	97	4.410	4.410	(0.858)	1150355	200.000	210
	45 Carbon Tetrachloride	117	4.534	4.534	(0.882)	1018864	200.000	180
	46 1,1-Dichloropropene	75	4.583	4.583	(0.891)	1050416	200.000	210
	48 Benzene	78	4.797	4.797	(0.562)	2771512	200.000	190
$	47 1,2-Dichloroethane-d4 (SUR)	65	4.830	4.830	(0.939)	238768	50.0000	50
	61 Isopropyl Acetate	43	4.937	4.937	(0.960)	4196703	400.000	410(A)
	50 t-Amyl-methyl-ether	73	4.912	4.912	(0.955)	2180600	200.000	200(A)
	49 1,2-Dichloroethane	62	4.921	4.921	(0.957)	1119667	200.000	190
	51 n-Heptane	57	5.019	5.019	(0.976)	389648	200.000	190
*	52 Fluorobenzene	96	5.143	5.143	(1.000)	737465	50.0000	
	53 n-Butanol	56	5.587	5.587	(1.086)	302702	2500.00	2800
	54 Trichloroethene	95	5.546	5.546	(1.078)	762731	200.000	200
	55 Ethyl Acrylate	55	5.752	5.752	(1.118)	1158508	200.000	210(A)
	56 Methyl cyclohexane	83	5.670	5.670	(1.102)	929501	200.000	190
	57 1,2-Dichloropropane	63	5.875	5.875	(1.142)	780111	200.000	200
	59 Methyl Methacrylate	100	6.032	6.032	(1.173)	218219	200.000	220(A)
	75 Propyl Acetate	43	6.114	6.114	(1.189)	2687942	400.000	420
	60 1,4-Dioxane	88	6.032	6.032	(1.173)	14854	250.000	270
	58 Dibromomethane	93	6.023	6.023	(1.171)	604600	200.000	200
	68 Bromodichloromethane	83	6.221	6.221	(1.210)	1097347	200.000	210
	62 2-Chloroethyl Vinyl Ether	63	6.665	6.665	(1.296)	584714	200.000	210(A)
	63 Epichlorohydrin	57	6.764	6.764	(0.793)	1928162	4000.00	4100
	67 cis-1,3-Dichloropropene	75	6.814	6.814	(0.798)	1307776	200.000	210
	70 4-Methyl-2-Pentanone	43	7.019	7.019	(0.823)	936049	200.000	200
$	65 Toluene-d8 (SUR)	98	7.060	7.060	(0.827)	626522	50.0000	50

Data File: /chem/VOAMS2.i/8260_09/04-24-12/24apr12.b/b41438.d
Report Date: 25-Apr-2012 01:36

			QUANT SIG					AMOUNTS	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
	66	Toluene	91	7.134	7.134	(0.836)	2931458	200.000	190
	64	trans-1,3-Dichloropropene	75	7.497	7.497	(0.878)	1212504	200.000	210
	69	1,1,2-Trichloroethane	83	7.678	7.678	(0.900)	654270	200.000	200
	71	Tetrachloroethene	166	7.686	7.686	(0.901)	788028	200.000	210
	72	1,3-Dichloropropane	76	7.842	7.842	(0.919)	1208497	200.000	200
	73	2-Hexanone	43	7.925	7.925	(0.929)	649693	200.000	220
	76	Butyl Acetate	73	8.032	8.032	(0.941)	449958	400.000	430
	74	Dibromochloromethane	129	8.023	8.023	(0.940)	956987	200.000	230
	77	1,2-Dibromoethane	107	8.130	8.130	(0.953)	843594	200.000	200
*	78	Chlorobenzene-d5	117	8.534	8.534	(1.000)	538226	50.0000	
	79	Chlorobenzene	112	8.558	8.558	(1.003)	2000080	200.000	200
	81	Ethylbenzene	106	8.641	8.641	(1.013)	1032382	200.000	210
	80	1,1,1,2-Tetrachloroethane	131	8.649	8.649	(1.014)	802864	200.000	220
	82	m+p-Xylene	106	8.748	8.748	(1.025)	2508812	400.000	430
	84	o-Xylene	106	9.085	9.085	(1.065)	1244005	200.000	210
	85	Styrene	104	9.110	9.110	(1.067)	2158918	200.000	220
	87	Amyl Acetate	43	9.274	9.274	(0.892)	1051882	200.000	220
	86	Bromoform	173	9.274	9.274	(1.087)	682616	200.000	240
	88	Isopropylbenzene	105	9.373	9.373	(1.098)	3088789	200.000	220(A)
$	89	Bromofluorobenzene (SUR)	174	9.529	9.529	(0.916)	222580	50.0000	50
	92	1,1,2,2-Tetrachloroethane	83	9.686	9.686	(0.931)	1081124	200.000	200
	91	Bromobenzene	156	9.636	9.636	(0.926)	896716	200.000	200
	95	n-Propylbenzene	91	9.702	9.702	(0.933)	3745771	200.000	210(A)
	94	trans-1,4-Dichloro-2-butene	53	9.735	9.735	(0.936)	287718	200.000	210
	93	1,2,3-Trichloropropane	110	9.719	9.719	(0.934)	294022	200.000	200
	96	2-Chlorotoluene	91	9.776	9.776	(0.940)	2211254	200.000	200
	97	1,3,5-Trimethylbenzene	105	9.842	9.842	(0.946)	2559799	200.000	210
	98	4-Chlorotoluene	91	9.875	9.875	(0.949)	2599982	200.000	200
	100	tert-Butylbenzene	119	10.081	10.081	(0.969)	2174203	200.000	220
	101	1,2,4-Trimethylbenzene	105	10.122	10.122	(0.973)	2626330	200.000	210
	103	sec-Butylbenzene	105	10.237	10.237	(0.984)	3313773	200.000	220(A)
	107	p-Isopropyltoluene	119	10.352	10.352	(0.995)	2812432	200.000	230
	105	1,3-Dichlorobenzene	146	10.344	10.344	(0.994)	1669585	200.000	210
*	108	1,4-Dichlorobenzene-d4	152	10.402	10.402	(1.000)	274520	50.0000	
	109	1,4-Dichlorobenzene	146	10.418	10.418	(1.002)	1634644	200.000	200
	110	Benzyl Chloride	91	10.525	10.525	(1.012)	1840817	200.000	230
	106	n-Butylbenzene	91	10.640	10.640	(1.023)	2606942	200.000	220
	111	1,2-Dichlorobenzene	146	10.690	10.690	(1.028)	1572091	200.000	200
	112	1,2-Dibromo-3-chloropropane	75	11.249	11.249	(1.081)	200916	200.000	220
	114	1,2,4-Trichlorobenzene	180	11.784	11.784	(1.133)	1163860	200.000	210
	115	Hexachlorobutadiene	225	11.867	11.867	(1.141)	483040	200.000	230(A)
	116	Naphthalene	128	11.957	11.957	(1.150)	3096553	200.000	220
	117	1,2,3-Trichlorobenzene	180	12.122	12.122	(1.165)	1123527	200.000	210
M	120	1,2-Dichloroethene (Total)	100				1547259	400.000	400
M	121	Xylene (Total)	100				3752817	600.000	640

Data File: /chem/VOAMS2.i/8260_09/04-24-12/24apr12.b/b41438.d
Report Date: 25-Apr-2012 01:36

QC Flag Legend

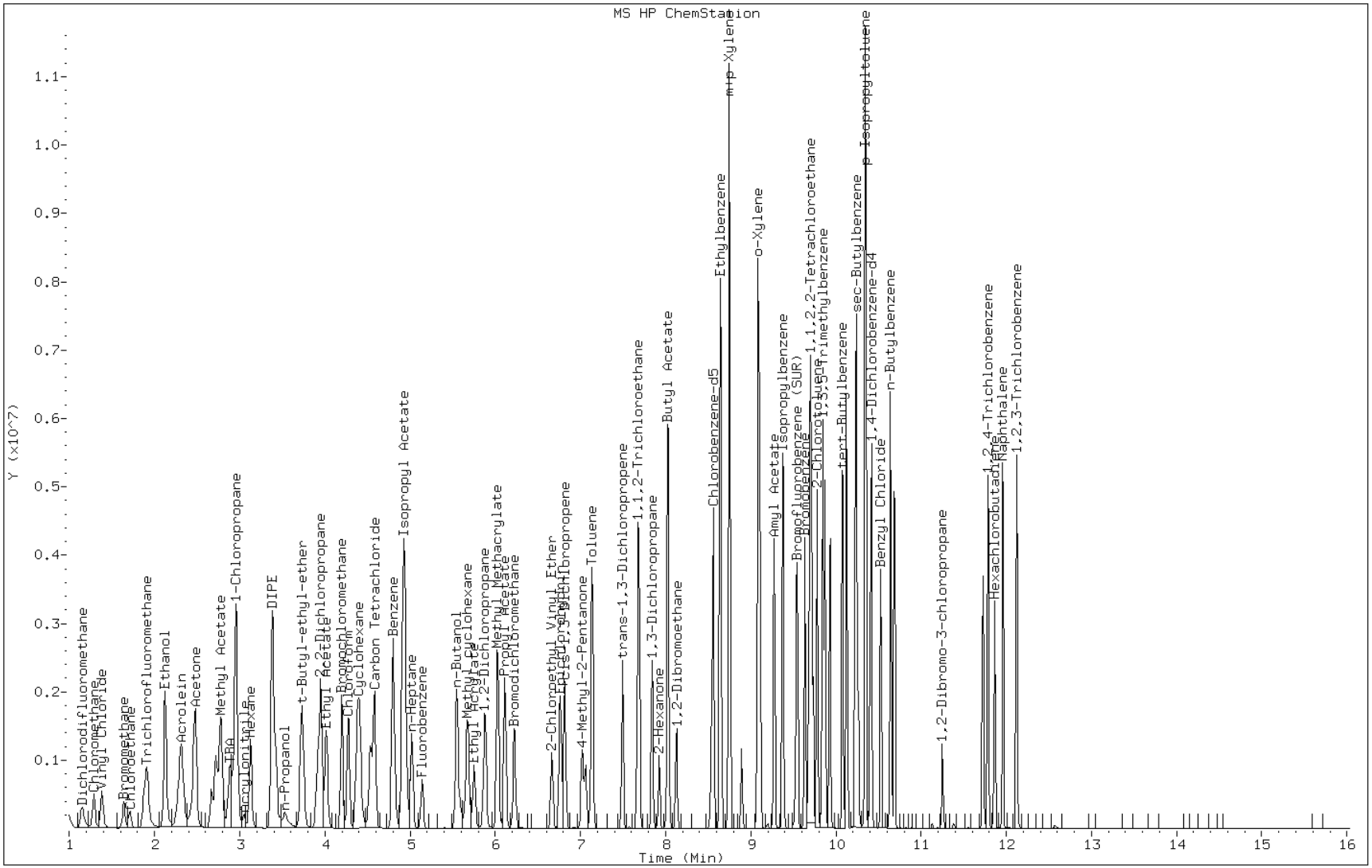
A - Target compound detected but, quantitated amount
    exceeded maximum amount.

Data File: b41438.d

Date: 24-APR-2012 23:13

Client ID: Instrument: VOAMS2.i

Sample Info: IC-VMCAL5 Operator: VOA GC/MS2



Data File: /chem/VOAMS2.i/8260_09/04-24-12/24apr12.b/b41439.d
Report Date: 25-Apr-2012 01:36

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VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS2.i/8260_09/04-24-12/24apr12.b/b41439.d
Lab Smp Id: IC-VMCAL6
Inj Date : 24-APR-2012 23:35
Operator : VOA GC/MS2 Inst ID: VOAMS2.i
Smp Info : IC-VMCAL6
Misc Info :
Comment :
Method : /chem/VOAMS2.i/8260_09/04-24-12/24apr12.b/8260_09.m
Meth Date : 25-Apr-2012 01:36 ken Quant Type: ISTD
Cal Date : 24-APR-2012 23:35 Cal File: b41439.d
Als bottle: 9 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * (Vt/Ws)/((100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (mL)
Ws	5.00000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
2 Dichlorodifluoromethane	85	1.143	1.143	(0.222)	1751718	500.000	500(A)
3 Chloromethane	50	1.291	1.291	(0.251)	1755772	500.000	480
4 Vinyl Chloride	62	1.382	1.382	(0.269)	1933855	500.000	490
6 Bromomethane	94	1.637	1.637	(0.318)	805229	500.000	470
5 Chloroethane	64	1.711	1.711	(0.333)	693861	500.000	470
7 Trichlorofluoromethane	101	1.892	1.892	(0.368)	2461708	500.000	490
9 Ethanol	46	2.114	2.114	(0.411)	124613	6000.00	6500(A)
11 Ethyl Ether	59	2.114	2.114	(0.411)	1139815	500.000	440
10 Isoprene	67	2.123	2.123	(0.413)	1673253	500.000	500
13 Acrolein	56	2.287	2.287	(0.445)	286718	400.000	370
14 Freon TF	101	2.295	2.295	(0.446)	1487788	500.000	500(A)
15 1,1-Dichloroethene	96	2.320	2.320	(0.451)	1472462	500.000	530(A)
16 Acetone	43	2.419	2.419	(0.470)	691115	500.000	450
17 Iodomethane	142	2.460	2.460	(0.478)	3699770	500.000	520(A)

Data File: /chem/VOAMS2.i/8260_09/04-24-12/24apr12.b/b41439.d
Report Date: 25-Apr-2012 01:36

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	18 Carbon Disulfide	76	2.485	2.485	(0.483)	5711026	500.000	580(A)
	27 Methyl Acetate	43	2.666	2.666	(0.518)	2054805	500.000	480
	21 Acetonitrile	41	2.715	2.715	(0.528)	6083904	10000.0	9200
	22 Methylene Chloride	84	2.781	2.781	(0.541)	2031803	500.000	490
	24 TBA	59	2.888	2.888	(0.562)	5500715	10000.0	11000(A)
	28 MTBE	73	2.946	2.946	(0.573)	5903849	500.000	510(A)
	25 trans-1,2-Dichloroethene	96	2.954	2.954	(0.574)	1887702	500.000	520(A)
	26 Acrylonitrile	53	3.053	3.053	(0.594)	338343	200.000	200
	29 Hexane	43	3.127	3.127	(0.608)	1292463	500.000	500(A)
	32 DIPE	45	3.382	3.382	(0.658)	6399330	500.000	500(A)
	30 1,1-Dichloroethane	63	3.382	3.382	(0.658)	3457862	500.000	510(A)
	31 Vinyl Acetate	43	3.423	3.423	(0.666)	4875034	500.000	520(A)
	34 n-Propanol	42	3.530	3.530	(0.686)	138018	6000.00	5500(A)
	35 t-Butyl-ethyl-ether	59	3.727	3.727	(0.725)	6052185	500.000	490
	37 2,2-Dichloropropane	77	3.917	3.917	(0.762)	2661769	500.000	530(A)
	36 cis-1,2-Dichloroethene	96	3.950	3.950	(0.768)	2183057	500.000	510(A)
	39 Ethyl Acetate	70	4.015	4.015	(0.781)	489357	1000.00	1000(A)
	38 2-Butanone	72	3.999	3.999	(0.778)	297075	500.000	540(A)
	40 Bromochloromethane	128	4.196	4.196	(0.816)	1214100	500.000	520(A)
	41 Tetrahydrofuran	42	4.196	4.196	(0.816)	720485	500.000	500(A)
	42 Chloroform	83	4.271	4.271	(0.830)	3651595	500.000	510(A)
	44 Cyclohexane	56	4.378	4.378	(0.851)	2704662	500.000	500(A)
	43 1,1,1-Trichloroethane	97	4.410	4.410	(0.858)	3050780	500.000	560(A)
	45 Carbon Tetrachloride	117	4.534	4.534	(0.882)	2788441	500.000	500(A)
	46 1,1-Dichloropropene	75	4.583	4.583	(0.891)	2765624	500.000	540(A)
	48 Benzene	78	4.797	4.797	(0.562)	7248371	500.000	490
$	47 1,2-Dichloroethane-d4 (SUR)	65	4.830	4.830	(0.939)	239321	50.0000	50
	61 Isopropyl Acetate	43	4.937	4.937	(0.960)	10720537	1000.00	1000(A)
	50 t-Amyl-methyl-ether	73	4.912	4.912	(0.955)	5725303	500.000	540(A)
	49 1,2-Dichloroethane	62	4.921	4.921	(0.957)	2869300	500.000	500
	51 n-Heptane	57	5.019	5.019	(0.976)	1032492	500.000	500(A)
*	52 Fluorobenzene	96	5.143	5.143	(1.000)	741014	50.0000	
	53 n-Butanol	56	5.587	5.587	(1.086)	397589	3000.00	3600(A)
	54 Trichloroethene	95	5.546	5.546	(1.078)	2041583	500.000	530(A)
	55 Ethyl Acrylate	55	5.752	5.752	(1.118)	3130136	500.000	570(A)
	56 Methyl cyclohexane	83	5.670	5.670	(1.102)	2459021	500.000	500(A)
	57 1,2-Dichloropropane	63	5.875	5.875	(1.142)	2055599	500.000	520(A)
	59 Methyl Methacrylate	100	6.032	6.032	(1.173)	591524	500.000	590(A)
	75 Propyl Acetate	43	6.114	6.114	(1.189)	7093693	1000.00	1100(A)
	60 1,4-Dioxane	88	6.023	6.023	(1.171)	25796	300.000	470(AH)
	58 Dibromomethane	93	6.023	6.023	(1.171)	1591033	500.000	520(A)
	68 Bromodichloromethane	83	6.221	6.221	(1.210)	2956786	500.000	570(A)
	62 2-Chloroethyl Vinyl Ether	63	6.665	6.665	(1.296)	1541353	500.000	560(A)
	63 Epichlorohydrin	57	6.764	6.764	(0.793)	5108383	10000.0	10000(A)
	67 cis-1,3-Dichloropropene	75	6.814	6.814	(0.798)	3461013	500.000	540(A)
	70 4-Methyl-2-Pentanone	43	7.019	7.019	(0.823)	2528322	500.000	540(A)
$	65 Toluene-d8 (SUR)	98	7.060	7.060	(0.827)	641140	50.0000	49

Data File: /chem/VOAMS2.i/8260_09/04-24-12/24apr12.b/b41439.d
Report Date: 25-Apr-2012 01:36

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	66 Toluene	91	7.134	7.134	(0.836)	7699038	500.000	480
	64 trans-1,3-Dichloropropene	75	7.497	7.497	(0.878)	3247966	500.000	560(A)
	69 1,1,2-Trichloroethane	83	7.678	7.678	(0.900)	1751720	500.000	520(A)
	71 Tetrachloroethene	166	7.686	7.686	(0.901)	2187831	500.000	560(A)
	72 1,3-Dichloropropane	76	7.842	7.842	(0.919)	3176070	500.000	500(A)
	73 2-Hexanone	43	7.925	7.925	(0.929)	1783834	500.000	590(A)
	76 Butyl Acetate	73	8.032	8.032	(0.941)	1205161	1000.00	1100(A)
	74 Dibromochloromethane	129	8.023	8.023	(0.940)	2649809	500.000	610(A)
	77 1,2-Dibromoethane	107	8.130	8.130	(0.953)	2233019	500.000	520(A)
*	78 Chlorobenzene-d5	117	8.534	8.534	(1.000)	552764	50.0000	
	79 Chlorobenzene	112	8.558	8.558	(1.003)	5390656	500.000	510(A)
	81 Ethylbenzene	106	8.641	8.641	(1.013)	2758840	500.000	550(A)
	80 1,1,1,2-Tetrachloroethane	131	8.649	8.649	(1.014)	2146366	500.000	570(A)
	82 m+p-Xylene	106	8.748	8.748	(1.025)	6396081	1000.00	1100(A)
	84 o-Xylene	106	9.085	9.085	(1.065)	3333163	500.000	550(A)
	85 Styrene	104	9.110	9.110	(1.067)	5757578	500.000	570(A)
	87 Amyl Acetate	43	9.274	9.274	(0.892)	2829189	500.000	580(A)
	86 Bromoform	173	9.274	9.274	(1.087)	1975925	500.000	660(A)
	88 Isopropylbenzene	105	9.381	9.381	(1.099)	8175336	500.000	560(A)
$	89 Bromofluorobenzene (SUR)	174	9.538	9.538	(0.917)	236638	50.0000	52
	92 1,1,2,2-Tetrachloroethane	83	9.686	9.686	(0.931)	2892081	500.000	520(A)
	91 Bromobenzene	156	9.636	9.636	(0.926)	2483479	500.000	530(A)
	95 n-Propylbenzene	91	9.702	9.702	(0.933)	9802607	500.000	540(A)
	94 trans-1,4-Dichloro-2-butene	53	9.735	9.735	(0.936)	774993	500.000	540(A)
	93 1,2,3-Trichloropropane	110	9.719	9.719	(0.934)	795846	500.000	510(A)
	96 2-Chlorotoluene	91	9.784	9.784	(0.941)	5976741	500.000	530(A)
	97 1,3,5-Trimethylbenzene	105	9.850	9.850	(0.947)	6939213	500.000	560(A)
	98 4-Chlorotoluene	91	9.875	9.875	(0.949)	6973409	500.000	530(A)
	100 tert-Butylbenzene	119	10.081	10.081	(0.969)	5946250	500.000	570(A)
	101 1,2,4-Trimethylbenzene	105	10.122	10.122	(0.973)	7059777	500.000	550(A)
	103 sec-Butylbenzene	105	10.245	10.245	(0.985)	8694310	500.000	560(A)
	107 p-Isopropyltoluene	119	10.352	10.352	(0.995)	7142318	500.000	560(A)
	105 1,3-Dichlorobenzene	146	10.344	10.344	(0.994)	4292678	500.000	520(A)
*	108 1,4-Dichlorobenzene-d4	152	10.402	10.402	(1.000)	284536	50.0000	
	109 1,4-Dichlorobenzene	146	10.418	10.418	(1.002)	4493141	500.000	530(A)
	110 Benzyl Chloride	91	10.525	10.525	(1.012)	5096581	500.000	610(A)
	106 n-Butylbenzene	91	10.640	10.640	(1.023)	6969799	500.000	580(A)
	111 1,2-Dichlorobenzene	146	10.690	10.690	(1.028)	4346396	500.000	540(A)
	112 1,2-Dibromo-3-chloropropane	75	11.249	11.249	(1.081)	578450	500.000	610(A)
	114 1,2,4-Trichlorobenzene	180	11.793	11.793	(1.134)	3292248	500.000	580(A)
	115 Hexachlorobutadiene	225	11.867	11.867	(1.141)	1409533	500.000	660(A)
	116 Naphthalene	128	11.965	11.965	(1.150)	8501888	500.000	570(A)
	117 1,2,3-Trichlorobenzene	180	12.122	12.122	(1.165)	3190791	500.000	570(A)
M	120 1,2-Dichloroethene (Total)	100				4070759	1000.00	1000
M	121 Xylene (Total)	100				9729244	1500.00	1600

Data File: /chem/VOAMS2.i/8260_09/04-24-12/24apr12.b/b41439.d
Report Date: 25-Apr-2012 01:36

QC Flag Legend

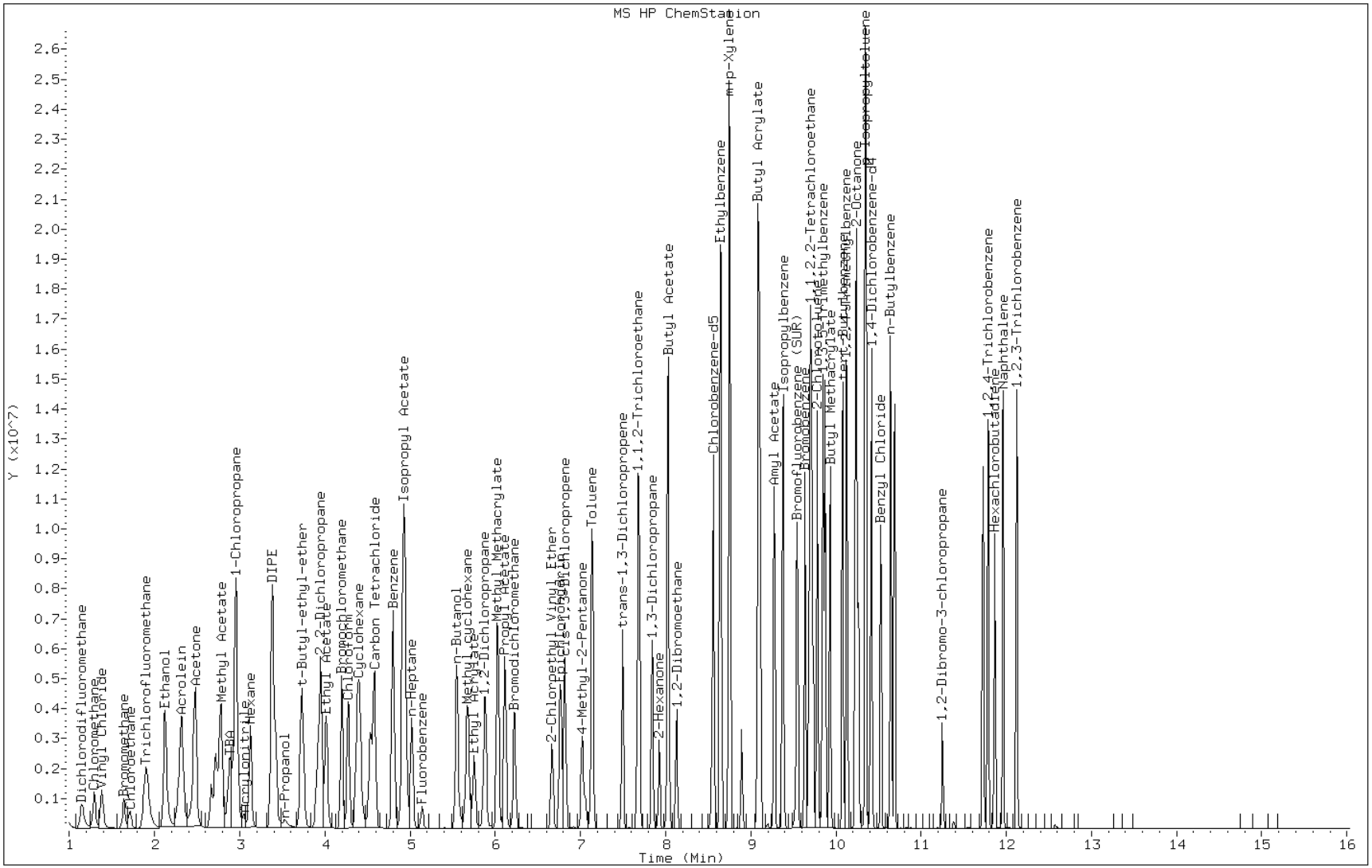
A - Target compound detected but, quantitated amount
    exceeded maximum amount.
H - Operator selected an alternate compound hit.

Data File: b41439.d

Date: 24-APR-2012 23:35

Client ID: Instrument: VOAMS2.i

Sample Info: IC-VMCAL6 Operator: VOA GC/MS2



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

Lab Name: TestAmerica Edison Job No.: 460-40258-1 Analy Batch No.: 112625

SDG No.:

Instrument ID: VOAMS4 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/03/2012 03:48 Calibration End Date: 05/03/2012 05:45 Calibration ID: 15547

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-112625/2	d20300.d
Level 2	IC 460-112625/3	d20301.d
Level 3	ICIS 460-112625/4	d20302.d
Level 4	IC 460-112625/5	d20303.d
Level 5	IC 460-112625/6	d20304.d
Level 6	IC 460-112625/7	d20305.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	0.3933 0.4673	0.4610	0.4243	0.4294	0.4449	Ave		0.4367				6.2		15.0			
Chloromethane	0.5682 0.6115	0.5517	0.5198	0.5262	0.5536	Ave		0.5552			0.1000	5.9		15.0			
Vinyl chloride	0.7611 0.6488	0.6673	0.5824	0.6034	0.6112	Ave		0.6457				10.0		30.0			
Bromomethane	0.3919 0.3564	0.3744	0.3370	0.3444	0.3401	Ave		0.3574				6.1		15.0			
Chloroethane	0.3411 0.2807	0.3034	0.2681	0.2687	0.2687	Ave		0.2885				10.1		15.0			
n-Pentane	0.0729 0.0408	0.0662	0.0434	0.0376	0.0395	LinF		0.0406							0.9997		0.9900
Trichlorofluoromethane	0.5806 0.5773	0.6334	0.5351	0.5487	0.5618	Ave		0.5728				6.0		15.0			
Dichlorofluoromethane	0.9604 0.8018	0.9607	0.7450	0.7695	0.7798	Ave		0.8362				11.7		15.0			
Isopropene	0.8763 0.5142	0.6427	0.5239	0.4953	0.4988	QuaF		2.0361	-0.018						1.0000		0.9900
Ethyl ether	0.4524 0.3272	0.3968	0.3528	0.3394	0.3190	Ave		0.3646				14.0		15.0			
1,1-Dichloroethene	0.4291 0.3470	0.3841	0.3330	0.3342	0.3266	Ave		0.3590				11.2		30.0			
Carbon disulfide	1.6048 1.4153	1.4131	1.2850	1.2628	1.3241	Ave		1.3842				9.1		15.0			
Ethanol	0.0031 0.0039	0.0031	0.0031	0.0031	0.0033	Ave		0.0033				9.7		15.0			
1,1,2-Trichloro-1,2,2-trichfluoroethane	0.4138 0.3875	0.4280	0.3642	0.3607	0.3784	Ave		0.3888				7.0		15.0			
Iodomethane	0.7181 0.6281	0.6874	0.6194	0.6100	0.5972	Ave		0.6433				7.5		15.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-40258-1 Analy Batch No.: 112625

SDG No.:

Instrument ID: VOAMS4 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/03/2012 03:48 Calibration End Date: 05/03/2012 05:45 Calibration ID: 15547

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Acrolein	0.1026 0.0836	0.0879	0.0694	0.0757	0.0745	Ave		0.0823				14.6		15.0			
Isopropanol	0.0297 0.0342	0.0311	0.0307	0.0311	0.0291	Ave		0.0310				5.7		15.0			
Methylene Chloride	0.4217 0.4093	0.4082	0.3764	0.3777	0.3656	Ave		0.3931				5.8		15.0			
Acetone	0.1010 0.0361	0.0509	0.0522	0.0443	0.0356	LinF		0.0362							0.9982		0.9900
trans-1,2-Dichloroethene	0.3658 0.3536	0.3479	0.3191	0.3124	0.3159	Ave		0.3358				6.8		15.0			
Methyl acetate	1.1055 0.9016	1.0607	0.9154	0.8753	0.8312	Ave		0.9483				11.5		15.0			
Hexane	0.3059 0.2675	0.2635	0.2396	0.2332	0.2458	Ave		0.2592				10.2		15.0			
MTBE	1.3245 1.1793	1.1706	1.0915	1.0957	1.0745	Ave		1.1560				8.1		15.0			
TBA	0.0546 0.0514	0.0473	0.0450	0.0467	0.0454	Ave		0.0484				7.9		15.0			
Acetonitrile	0.0138 0.0157	0.0136	0.0160	0.0157	0.0145	Ave		0.0149				7.1		15.0			
DIPE	1.3693 1.3300	1.3295	1.2088	1.2003	1.2005	Ave		1.2731				6.1		15.0			
1,1-Dichloroethane	0.6501 0.6603	0.6240	0.5847	0.5833	0.5857	Ave		0.6147			0.1000	5.7		15.0			
Acrylonitrile	0.1366 0.1607	0.1410	0.1469	0.1475	0.1444	Ave		0.1462				5.6		15.0			
Vinyl acetate	0.8311 0.8584	0.7754	0.8842	0.7519	0.7827	Ave		0.8140				6.4		15.0			
Tert-butyl ethyl ether	0.4816 0.4993	0.4551	0.4310	0.4399	0.4421	Ave		0.4582				5.8		15.0			
cis-1,2-Dichloroethene	0.3888 0.3963	0.3767	0.3567	0.3574	0.3525	Ave		0.3714				5.0		15.0			
2,2-Dichloropropane	0.6032 0.5610	0.5842	0.5310	0.5252	0.5266	Ave		0.5552				6.0		15.0			
Bromochloromethane	0.1844 0.1999	0.1840	0.1768	0.1783	0.1778	Ave		0.1835				4.7		15.0			
Cyclohexane	0.6938 0.6987	0.6482	0.5831	0.5767	0.6330	Ave		0.6389				8.2		15.0			
Chloroform	0.6380 0.6656	0.6445	0.6001	0.5949	0.5980	Ave		0.6235				4.8		30.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-40258-1 Analy Batch No.: 112625

SDG No.:

Instrument ID: VOAMS4 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/03/2012 03:48 Calibration End Date: 05/03/2012 05:45 Calibration ID: 15547

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Carbon tetrachloride	0.4477 0.6066	0.5006	0.4886	0.5093	0.5394	Ave		0.5154				10.4		15.0			
Ethyl acetate	0.0528 0.0434	0.0480	0.0365	0.0383	0.0381	LinF		0.0427							0.9970		0.9900
Tetrahydrofuran	0.3087 0.1768	0.2064	0.1673	0.1674	0.1600	LinF		0.1746							0.9983		0.9900
1,1,1-Trichloroethane	0.5865 0.6198	0.5633	0.5341	0.5456	0.5631	Ave		0.5687				5.4		15.0			
1,1-Dichloropropene	0.5118 0.5134	0.4935	0.4546	0.4547	0.4676	Ave		0.4826				5.6		15.0			
2-Butanone	0.0474 0.0673	0.0430	0.0620	0.0626	0.0605	LinF		0.0664							0.9978		0.9900
n-Heptane	0.2249 0.2514	0.2387	0.2118	0.2155	0.2269	Ave		0.2282				6.5		15.0			
Benzene	2.1011 1.9473	2.1245	1.9664	1.8800	1.8307	Ave		1.9750				5.9		15.0			
Tert-amyl methyl ether	1.1295 1.1845	1.0615	1.0172	1.0337	1.0510	Ave		1.0796				6.0		15.0			
1,2-Dichloroethane	0.5026 0.5314	0.5147	0.4846	0.4736	0.4749	Ave		0.4970				4.7		15.0			
Isopropyl acetate	0.7273 0.8459	0.7156	0.7198	0.7454	0.7469	Ave		0.7501				6.5		15.0			
Methylcyclohexane	0.5946 0.6835	0.6160	0.5437	0.5472	0.6043	Ave		0.5982				8.6		15.0			
Trichloroethene	0.3549 0.3871	0.3510	0.3208	0.3285	0.3315	Ave		0.3456				7.0		15.0			
Dibromomethane	0.2053 0.2514	0.2176	0.2175	0.2161	0.2199	Ave		0.2213				7.1		15.0			
n-Butanol	0.0072 0.0088	0.0072	0.0075	0.0077	0.0075	Ave		0.0076				7.8		15.0			
1,2-Dichloropropane	0.3407 0.3721	0.3401	0.3223	0.3259	0.3310	Ave		0.3387				5.3		30.0			
Ethyl acrylate	0.4614 0.5182	0.4202	0.4056	0.4249	0.4453	Ave		0.4459				9.1		15.0			
Bromodichloromethane	0.3879 0.5407	0.4201	0.4104	0.4308	0.4624	Ave		0.4420				12.3		15.0			
Methyl methacrylate	0.0853 0.1007	0.0769	0.0806	0.0860	0.0884	Ave		0.0863				9.5		15.0			
1,4-Dioxane	0.0038 0.0060	0.0039	0.0038	0.0047	0.0048	QuaF		284.85	-3285						0.9964		0.9900

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

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

Lab Name: TestAmerica Edison Job No.: 460-40258-1 Analy Batch No.: 112625

SDG No.:

Instrument ID: VOAMS4 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/03/2012 03:48 Calibration End Date: 05/03/2012 05:45 Calibration ID: 15547

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Propyl acetate	0.5109 0.6034	0.4885	0.4795	0.5073	0.5227	Ave		0.5187				8.5		15.0			
2-Chloroethyl vinyl ether	0.2286 0.2507	0.2093	0.1991	0.2100	0.2173	Ave		0.2192				8.3		15.0			
cis-1,3-Dichloropropene	0.7636 +++++	0.7778	0.7510	0.7515	0.7536	Ave		0.7595				1.5		15.0			
Toluene	2.4582 2.0739	2.1780	1.9913	1.9241	1.9251	Ave		2.0918				9.8		30.0			
Epichlorohydrin	0.0591 0.0614	0.0550	0.0560	0.0580	0.0567	Ave		0.0577				4.0		15.0			
Tetrachloroethene	0.4745 0.5012	0.4782	0.4642	0.4774	0.4727	Ave		0.4780				2.6		15.0			
4-Methyl-2-pentanone	0.5776 0.6053	0.5541	0.6005	0.6079	0.5754	Ave		0.5868				3.6		15.0			
trans-1,3-Dichloropropene	0.6221 +++++	0.6660	0.6740	0.6821	0.6961	Ave		0.6680				4.2		15.0			
1,1,2-Trichloroethane	0.3681 0.3638	0.3773	0.3488	0.3493	0.3395	Ave		0.3578				4.0		15.0			
Dibromochloromethane	0.3820 0.5165	0.3901	0.4159	0.4369	0.4645	Ave		0.4343				11.6		15.0			
1,3-Dichloropropane	0.7105 0.7289	0.7383	0.6968	0.6885	0.6777	Ave		0.7068				3.3		15.0			
1,2-Dibromoethane	0.4071 0.4431	0.4269	0.4183	0.4177	0.4072	Ave		0.4200				3.2		15.0			
Butyl acetate	0.1362 0.1443	0.1370	0.1326	0.1329	0.1310	Ave		0.1357				3.6		15.0			
2-Hexanone	0.3970 0.4042	0.3491	0.3970	0.4022	0.3770	Ave		0.3877				5.5		15.0			
Chlorobenzene	1.1665 1.3206	1.1988	1.1571	1.1582	1.1765	Ave		1.1963			0.3000	5.3		15.0			
Ethylbenzene	0.6677 0.7305	0.6641	0.6423	0.6385	0.6528	Ave		0.6660				5.1		30.0			
1,1,1,2-Tetrachloroethane	0.4370 0.5507	0.4588	0.4728	0.4854	0.4979	Ave		0.4838				8.1		15.0			
m&p-Xylene	0.7747 0.9100	0.8219	0.7960	0.7959	0.8451	Ave		0.8239				5.9		15.0			
o-Xylene	0.8627 0.9317	0.8562	0.8346	0.8192	0.8368	Ave		0.8569				4.7		15.0			
Bromoform	0.2440 0.4107	0.2535	0.2754	0.2973	0.3430	QuaF		3.1864	-0.183		0.1000				0.9999		0.9900

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

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

Lab Name: TestAmerica Edison Job No.: 460-40258-1 Analy Batch No.: 112625

SDG No.:

Instrument ID: VOAMS4 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/03/2012 03:48 Calibration End Date: 05/03/2012 05:45 Calibration ID: 15547

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Styrene	1.2145 1.5921	1.3102	1.2971	1.3171	1.3826	Ave		1.3523				9.6		15.0			
Butyl acrylate	0.4011 0.4031	0.3628	0.3596	0.3703	0.3614	Ave		0.3764				5.4		15.0			
Isopropylbenzene	2.0911 2.2540	2.2780	2.2648	2.3287	2.3977	Ave		2.2690				4.5		15.0			
Camphene, Total	0.2754 0.2429	0.2507	0.2188	0.2231	0.2276	Ave		0.2397				8.9		15.0			
Monobromobenzene	0.9435 1.0687	0.9370	0.9446	0.9520	0.9662	Ave		0.9687				5.2		15.0			
N-Propylbenzene	4.5897 4.0522	4.8468	4.7568	4.8002	5.0119	Ave		4.6763				7.2		15.0			
1,1,2,2-Tetrachloroethane	1.0999 1.1490	1.0630	1.0371	1.0398	1.0526	Ave		1.0736			0.3000	4.0		15.0			
2-Chlorotoluene	2.8606 3.0660	2.8874	2.7892	2.7980	2.8618	Ave		2.8772				3.5		15.0			
1,2,3-Trichloropropane	0.2987 0.3364	0.3132	0.3139	0.3098	0.3101	Ave		0.3137				3.9		15.0			
1,3,5-Trimethylbenzene	3.2248 3.6296	3.4415	3.4344	3.5322	3.7297	Ave		3.4987				5.0		15.0			
trans-1,4-Dichloro-2-butene	0.1725 0.1375	0.1177	0.1184	0.1177	0.1220	LinF		0.1354							0.9974		0.9900
4-Chlorotoluene	2.7619 3.0924	2.8611	2.7553	2.7761	2.8199	Ave		2.8444				4.5		15.0			
tert-Butylbenzene	2.4491 3.3450	2.7331	2.8297	2.9819	3.1803	Ave		2.9198				11.0		15.0			
Butyl Methacrylate	1.1034 1.4024	1.1837	1.2045	1.2284	1.2624	Ave		1.2308				8.1		15.0			
1,2,4-Trimethylbenzene	3.2552 3.4636	3.5198	3.4916	3.5809	3.7921	Ave		3.5172				5.0		15.0			
sec-Butylbenzene	3.8324 4.0138	4.4040	4.5071	4.7633	5.1788	Ave		4.4499				11.0		15.0			
4-Isopropyltoluene	3.3636 3.5750	3.6605	3.7385	3.9271	4.1628	Ave		3.7379				7.5		15.0			
1,3-Dichlorobenzene	1.8099 2.0591	1.8346	1.8164	1.8472	1.8689	Ave		1.8727				5.0		15.0			
1,4-Dichlorobenzene	1.9518 2.0668	1.9477	1.8729	1.8615	1.8958	Ave		1.9328				3.9		15.0			
Benzyl chloride	0.3762 0.4431	0.3639	0.3823	0.3983	0.4016	Ave		0.3942				7.0		15.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-40258-1 Analy Batch No.: 112625

SDG No.:

Instrument ID: VOAMS4 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/03/2012 03:48 Calibration End Date: 05/03/2012 05:45 Calibration ID: 15547

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
n-Butylbenzene	5.2932 5.6446	5.5105	5.6534	5.7720	5.9706	Ave		5.6407				4.1		15.0			
1,2-Dichlorobenzene	1.7657 2.0336	1.9178	1.8576	1.8413	1.8654	Ave		1.8802				4.8		15.0			
1,2-Dibromo-3-Chloropropane	0.1649 0.2313	0.1890	0.1877	0.2001	0.2040	Ave		0.1962				11.2		15.0			
Hexachlorobutadiene	0.5908 0.8627	0.6319	0.6762	0.7078	0.7810	Ave		0.7084				14.1		15.0			
1,2,4-Trichlorobenzene	1.4478 1.6111	1.4206	1.3924	1.4059	1.4316	Ave		1.4516				5.5		15.0			
Camphor	0.1390 0.1669	0.1187	0.1218	0.1346	0.1394	Ave		0.1367				12.6		15.0			
Naphthalene	3.4862 3.3453	3.1179	3.1510	3.2695	3.2114	Ave		3.2636				4.2		15.0			
1,2,3-Trichlorobenzene	1.3852 1.3189	1.2313	1.2392	1.2689	1.2299	Ave		1.2789				4.8		15.0			
1,2-Dichloroethane-d4 (Surr)	0.3433 0.4029	0.3525	0.3502	0.3411	0.3539	Ave		0.3573				6.4		15.0			
Toluene-d8 (Surr)	1.3457 1.3102	1.3546	1.3536	1.3139	1.2888	Ave		1.3278				2.1		15.0			
Bromofluorobenzene	0.8051 0.8614	0.8269	0.8265	0.8182	0.8155	Ave		0.8256				2.3		15.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-40258-1 Analy Batch No.: 112625

SDG No.:

Instrument ID: VOAMS4 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/03/2012 03:48 Calibration End Date: 05/03/2012 05:45 Calibration ID: 15547

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-112625/2	d20300.d
Level 2	IC 460-112625/3	d20301.d
Level 3	ICIS 460-112625/4	d20302.d
Level 4	IC 460-112625/5	d20303.d
Level 5	IC 460-112625/6	d20304.d
Level 6	IC 460-112625/7	d20305.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	5567 3609752	33888	128625	330868	1416612	1.00 500	5.00	20.0	50.0	200
Chloromethane	FB	Ave	8042 4723199	40560	157571	405465	1762900	1.00 500	5.00	20.0	50.0	200
Vinyl chloride	FB	Ave	10773 5011759	49055	176563	464913	1946183	1.00 500	5.00	20.0	50.0	200
Bromomethane	FB	Ave	5547 2752919	27522	102164	265369	1082873	1.00 500	5.00	20.0	50.0	200
Chloroethane	FB	Ave	4828 2168170	22308	81285	207052	855760	1.00 500	5.00	20.0	50.0	200
n-Pentane	FB	LinF	1032 314827	4864	13170	28937	125765	1.00 500	5.00	20.0	50.0	200
Trichlorofluoromethane	FB	Ave	8218 4459070	46562	162208	422800	1788838	1.00 500	5.00	20.0	50.0	200
Dichlorofluoromethane	FB	Ave	13594 6192988	70629	225860	592884	2482916	1.00 500	5.00	20.0	50.0	200
Isopropene	FB	QuaF	12404 3971538	47248	158834	381644	1588426	1.00 500	5.00	20.0	50.0	200
Ethyl ether	FB	Ave	6403 2527004	29170	106964	261537	1015876	1.00 500	5.00	20.0	50.0	200
1,1-Dichloroethene	FB	Ave	6074 2680311	28238	100957	257491	1040067	1.00 500	5.00	20.0	50.0	200
Carbon disulfide	FB	Ave	22715 10931973	103882	389575	972951	4216277	1.00 500	5.00	20.0	50.0	200
Ethanol	FB	Ave	43749 359692	90408	142586	189105	262228	1000 6000	2000	3000	4000	5000
1,1,2-Trichloro-1,2,2-trichfluoroethane	FB	Ave	5857 2993297	31464	110408	277912	1204973	1.00 500	5.00	20.0	50.0	200
Iodomethane	FB	Ave	10164 4851597	50534	187774	469970	1901463	1.00 500	5.00	20.0	50.0	200
Acrolein	FB	Ave	5811 516718	25840	42069	116626	237310	4.00 400	20.0	40.0	100	200

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

Lab Name: TestAmerica Edison Job No.: 460-40258-1 Analy Batch No.: 112625

SDG No.:

Instrument ID: VOAMS4 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/03/2012 03:48 Calibration End Date: 05/03/2012 05:45 Calibration ID: 15547

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Isopropanol	FB	Ave	420951 3172238	914526	1396166	1917943	2320122	1000 6000	2000	3000	4000	5000
Methylene Chloride	FB	Ave	5969 3161576	30006	114112	290983	1164215	1.00 500	5.00	20.0	50.0	200
Acetone	FB	LinF	7149 278900	11228	15829	34160	113510	5.00 500	15.0	20.0	50.0	200
trans-1,2-Dichloroethene	FB	Ave	5178 2731429	25576	96742	240708	1005775	1.00 500	5.00	20.0	50.0	200
Methyl acetate	FB	Ave	15648 6964142	77978	277516	674437	2646616	1.00 500	5.00	20.0	50.0	200
Hexane	FB	Ave	4330 2066276	19371	72630	179644	782788	1.00 500	5.00	20.0	50.0	200
MTBE	FB	Ave	18747 9109358	86061	330887	844267	3421425	1.00 500	5.00	20.0	50.0	200
TBA	FB	Ave	15457 7946282	69537	272599	719622	2890804	20.0 10000	100	400	1000	4000
Acetonitrile	FB	Ave	3912 2426877	19929	96877	242640	925654	20.0 10000	100	400	1000	4000
DIPE	FB	Ave	19382 10273556	97739	366451	924852	3822518	1.00 500	5.00	20.0	50.0	200
1,1-Dichloroethane	FB	Ave	9202 5100592	45871	177261	449444	1865096	1.00 500	5.00	20.0	50.0	200
Acrylonitrile	FB	Ave	3867 496416	20738	44524	113642	229938	2.00 200	10.0	20.0	50.0	100
Vinyl acetate	FB	Ave	11763 6630661	57005	268061	579364	2492388	1.00 500	5.00	20.0	50.0	200
Tert-butyl ethyl ether	FB	Ave	6817 3856854	33455	130667	338969	1407809	1.00 500	5.00	20.0	50.0	200
cis-1,2-Dichloroethene	FB	Ave	5503 3061304	27690	108130	275395	1122523	1.00 500	5.00	20.0	50.0	200
2,2-Dichloropropane	FB	Ave	8538 4333343	42945	160993	404679	1676683	1.00 500	5.00	20.0	50.0	200
Bromochloromethane	FB	Ave	2610 1544249	13527	53591	137351	566201	1.00 500	5.00	20.0	50.0	200
Cyclohexane	FB	Ave	9820 5396855	47656	176770	444336	2015682	1.00 500	5.00	20.0	50.0	200
Chloroform	FB	Ave	9030 5141104	47382	181937	458350	1904072	1.00 500	5.00	20.0	50.0	200
Carbon tetrachloride	FB	Ave	6337 4685400	36799	148137	392444	1717685	1.00 500	5.00	20.0	50.0	200
Ethyl acetate	FB	LinF	1496 670536	7052	22107	59003	242621	2.00 1000	10.0	40.0	100	400

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

Lab Name: TestAmerica Edison Job No.: 460-40258-1 Analy Batch No.: 112625

SDG No.:

Instrument ID: VOAMS4 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/03/2012 03:48 Calibration End Date: 05/03/2012 05:45 Calibration ID: 15547

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Tetrahydrofuran	FB	LinF	4369 1365754	15174	50706	128989	509517	1.00 500	5.00	20.0	50.0	200
1,1,1-Trichloroethane	FB	Ave	8301 4787233	41413	161914	420351	1792919	1.00 500	5.00	20.0	50.0	200
1,1-Dichloropropene	FB	Ave	7244 3965928	36283	137808	350355	1488920	1.00 500	5.00	20.0	50.0	200
2-Butanone	FB	LinF	3357 519936	9476	18799	48218	192535	5.00 500	15.0	20.0	50.0	200
n-Heptane	FB	Ave	3184 1942139	17550	64207	166056	722649	1.00 500	5.00	20.0	50.0	200
Benzene	CBZ	Ave	18570 11426374	97919	378259	950102	4094787	1.00 500	5.00	20.0	50.0	200
Tert-amyl methyl ether	FB	Ave	15988 9149276	78039	308369	796504	3346525	1.00 500	5.00	20.0	50.0	200
1,2-Dichloroethane	FB	Ave	7114 4104706	37837	146898	364929	1512141	1.00 500	5.00	20.0	50.0	200
Isopropyl acetate	FB	Ave	20590 13067410	105209	436405	1148717	4756658	2.00 1000	10.0	40.0	100	400
Methylcyclohexane	FB	Ave	8416 5279664	45283	164839	421634	1924223	1.00 500	5.00	20.0	50.0	200
Trichloroethene	FB	Ave	5023 2990119	25807	97264	253107	1055588	1.00 500	5.00	20.0	50.0	200
Dibromomethane	FB	Ave	2906 1942026	15999	65931	166472	700193	1.00 500	5.00	20.0	50.0	200
n-Butanol	FB	Ave	50812 407232	105614	169805	236458	299854	500 3000	1000	1500	2000	2500
1,2-Dichloropropane	FB	Ave	4822 2873923	25004	97700	251101	1053826	1.00 500	5.00	20.0	50.0	200
Ethyl acrylate	FB	Ave	6531 4002799	30895	122954	327366	1418013	1.00 500	5.00	20.0	50.0	200
Bromodichloromethane	FB	Ave	5490 4176678	30883	124405	331904	1472308	1.00 500	5.00	20.0	50.0	200
Methyl methacrylate	FB	Ave	1208 778078	5655	24443	66226	281606	1.00 500	5.00	20.0	50.0	200
1,4-Dioxane	FB	QuaF	2694 27648	5682	8637	14353	19267	50.0 300	100	150	200	250
Propyl acetate	FB	Ave	14462 9320918	71819	290719	781679	3328809	2.00 1000	10.0	40.0	100	400
2-Chloroethyl vinyl ether	FB	Ave	3236 1936178	15386	60349	161786	691922	1.00 500	5.00	20.0	50.0	200
cis-1,3-Dichloropropene	CBZ	Ave	6749 +++++	35849	144469	379821	1685566	1.00 +++++	5.00	20.0	50.0	200

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

Lab Name: TestAmerica Edison Job No.: 460-40258-1 Analy Batch No.: 112625

SDG No.:

Instrument ID: VOAMS4 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/03/2012 03:48 Calibration End Date: 05/03/2012 05:45 Calibration ID: 15547

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Toluene	CBZ	Ave	21727 12169331	100386	383050	972412	4305872	1.00 500	5.00	20.0	50.0	200
Epichlorohydrin	CBZ	Ave	10450 7206010	50746	215315	585900	2537414	20.0 10000	100	400	1000	4000
Tetrachloroethene	CBZ	Ave	4194 2940681	22041	89301	241257	1057249	1.00 500	5.00	20.0	50.0	200
4-Methyl-2-pentanone	CBZ	Ave	25526 3551976	76615	115524	307220	1287093	5.00 500	15.0	20.0	50.0	200
trans-1,3-Dichloropropene	CBZ	Ave	5498 +++++	30696	129652	344708	1557068	1.00 +++++	5.00	20.0	50.0	200
1,1,2-Trichloroethane	CBZ	Ave	3253 2134948	17392	67101	176521	759393	1.00 500	5.00	20.0	50.0	200
Dibromochloromethane	CBZ	Ave	3376 3030449	17978	80013	220803	1038862	1.00 500	5.00	20.0	50.0	200
1,3-Dichloropropane	CBZ	Ave	6280 4276788	34028	134032	347939	1515801	1.00 500	5.00	20.0	50.0	200
1,2-Dibromoethane	CBZ	Ave	3598 2599789	19677	80457	211121	910876	1.00 500	5.00	20.0	50.0	200
Butyl acetate	CBZ	Ave	2407 1693873	12632	51032	134333	585861	2.00 1000	10.0	40.0	100	400
2-Hexanone	CBZ	Ave	17543 2371540	48272	76360	203243	843176	5.00 500	15.0	20.0	50.0	200
Chlorobenzene	CBZ	Ave	10310 7749046	55255	222581	585358	2631534	1.00 500	5.00	20.0	50.0	200
Ethylbenzene	CBZ	Ave	5901 4286361	30611	123550	322676	1460152	1.00 500	5.00	20.0	50.0	200
1,1,1,2-Tetrachloroethane	CBZ	Ave	3862 3231191	21148	90953	245329	1113660	1.00 500	5.00	20.0	50.0	200
m&p-Xylene	CBZ	Ave	13695 10679368	75760	306245	804441	3780757	2.00 1000	10.0	40.0	100	400
o-Xylene	CBZ	Ave	7625 5466766	39464	160557	413995	1871637	1.00 500	5.00	20.0	50.0	200
Bromoform	CBZ	QuaF	2157 2409833	11686	52980	150259	767277	1.00 500	5.00	20.0	50.0	200
Styrene	CBZ	Ave	10734 9341710	60390	249519	665656	3092504	1.00 500	5.00	20.0	50.0	200
Butyl acrylate	CBZ	Ave	3545 2364999	16723	69178	187152	808353	1.00 500	5.00	20.0	50.0	200
Isopropylbenzene	CBZ	Ave	18482 13225925	104995	435679	1176877	5362995	1.00 500	5.00	20.0	50.0	200
Camphene, Total	CBZ	Ave	2434 1425469	11553	42091	112756	508974	1.00 500	5.00	20.0	50.0	200

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

Lab Name: TestAmerica Edison Job No.: 460-40258-1 Analy Batch No.: 112625

SDG No.:

Instrument ID: VOAMS4 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/03/2012 03:48 Calibration End Date: 05/03/2012 05:45 Calibration ID: 15547

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Monobromobenzene	DCB	Ave	4567 3482106	23772	100779	264757	1168300	1.00 500	5.00	20.0	50.0	200
N-Propylbenzene	DCB	Ave	22217 13202542	122962	507525	1335001	6060094	1.00 500	5.00	20.0	50.0	200
1,1,2,2-Tetrachloroethane	DCB	Ave	5324 3743503	26969	110657	289182	1272692	1.00 500	5.00	20.0	50.0	200
2-Chlorotoluene	DCB	Ave	13847 9989477	73252	297593	778171	3460375	1.00 500	5.00	20.0	50.0	200
1,2,3-Trichloropropane	DCB	Ave	1446 1095909	7946	33491	86159	374914	1.00 500	5.00	20.0	50.0	200
1,3,5-Trimethylbenzene	DCB	Ave	15610 11825712	87309	366431	982367	4509742	1.00 500	5.00	20.0	50.0	200
trans-1,4-Dichloro-2-butene	DCB	LinF	835 447969	2985	12628	32746	147478	1.00 500	5.00	20.0	50.0	200
4-Chlorotoluene	DCB	Ave	13369 10075546	72585	293973	772084	3409612	1.00 500	5.00	20.0	50.0	200
tert-Butylbenzene	DCB	Ave	11855 10898527	69338	301916	829307	3845389	1.00 500	5.00	20.0	50.0	200
Butyl Methacrylate	DCB	Ave	5341 4569139	30030	128510	341648	1526445	1.00 500	5.00	20.0	50.0	200
1,2,4-Trimethylbenzene	DCB	Ave	15757 11285008	89297	372534	995906	4585198	1.00 500	5.00	20.0	50.0	200
sec-Butylbenzene	DCB	Ave	18551 13077584	111729	480879	1324731	6261921	1.00 500	5.00	20.0	50.0	200
4-Isopropyltoluene	DCB	Ave	16282 11648024	92866	398875	1092194	5033461	1.00 500	5.00	20.0	50.0	200
1,3-Dichlorobenzene	DCB	Ave	8761 6708926	46543	193795	513744	2259743	1.00 500	5.00	20.0	50.0	200
1,4-Dichlorobenzene	DCB	Ave	9448 6734022	49413	199830	517696	2292290	1.00 500	5.00	20.0	50.0	200
Benzyl chloride	DCB	Ave	1821 1443721	9232	40793	110771	485606	1.00 500	5.00	20.0	50.0	200
n-Butylbenzene	DCB	Ave	25622 18390865	139799	603182	1605275	7219260	1.00 500	5.00	20.0	50.0	200
1,2-Dichlorobenzene	DCB	Ave	8547 6625882	48655	198194	512082	2255529	1.00 500	5.00	20.0	50.0	200
1,2-Dibromo-3-Chloropropane	DCB	Ave	798 753687	4796	20024	55653	246605	1.00 500	5.00	20.0	50.0	200
Hexachlorobutadiene	DCB	Ave	2860 2810699	16032	72142	196841	944311	1.00 500	5.00	20.0	50.0	200
1,2,4-Trichlorobenzene	DCB	Ave	7008 5249315	36039	148561	390994	1731051	1.00 500	5.00	20.0	50.0	200

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

Lab Name: TestAmerica Edison Job No.: 460-40258-1 Analy Batch No.: 112625

SDG No.:

Instrument ID: VOAMS4 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/03/2012 03:48 Calibration End Date: 05/03/2012 05:45 Calibration ID: 15547

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Camphor	DCB	Ave	3364 2718669	15060	64965	187165	842472	5.00 2500	25.0	100	250	1000
Naphthalene	DCB	Ave	16875 10899562	79101	336198	909295	3883068	1.00 500	5.00	20.0	50.0	200
1,2,3-Trichlorobenzene	DCB	Ave	6705 4297272	31238	132215	352902	1487130	1.00 500	5.00	20.0	50.0	200
1,2-Dichloroethane-d4 (Surr)	FB	Ave	242982 311212	259126	265426	262803	281763	50.0 50.0	50.0	50.0	50.0	50.0
Toluene-d8 (Surr)	CBZ	Ave	594686 768804	624329	650985	663999	720659	50.0 50.0	50.0	50.0	50.0	50.0
Bromofluorobenzene	DCB	Ave	194853 280667	209776	220469	227557	246499	50.0 50.0	50.0	50.0	50.0	50.0

Curve Type Legend:

Ave = Average ISTD
LinF = Linear ISTD forced zero
QuaF = Quadratic ISTD forced zero

Data File: /chem/VOAMS4.i/8260_09/05-03-12/03may12.b/d20300.d
Report Date: 16-May-2012 10:41

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS4.i/8260_09/05-03-12/03may12.b/d20300.d
Lab Smp Id: IC-VM8CAL1
Inj Date : 03-MAY-2012 03:48
Operator : VOA GC/MS4 Inst ID: VOAMS4.i
Smp Info : IC-VM8CAL1
Misc Info :
Comment :
Method : /chem/VOAMS4.i/8260_09/05-03-12/03may12.b/8260_09.m
Meth Date : 16-May-2012 10:41 vibha Quant Type: ISTD
Cal Date : 03-MAY-2012 03:48 Cal File: d20300.d
Als bottle: 8 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
2 Dichlorodifluoromethane	85	1.275	1.269	(0.276)	5567	1.00000	0.90(a)
3 Chloromethane	50	1.340	1.357	(0.290)	8042	1.00000	1.0
4 Vinyl Chloride	62	1.416	1.434	(0.306)	10773	1.00000	1.2
6 Bromomethane	94	1.587	1.610	(0.343)	5547	1.00000	1.1
5 Chloroethane	64	1.657	1.675	(0.359)	4828	1.00000	1.2
7 Trichlorofluoromethane	101	1.805	1.816	(0.390)	8218	1.00000	1.0
8 n-Pentane	72	1.728	1.757	(0.374)	1032	1.00000	1.8(a)
9 Ethanol	46	2.116	2.128	(0.458)	43749	1000.00	950(a)
10 Isoprene	67	1.940	1.957	(0.420)	12404	1.00000	1.8
11 Ethyl Ether	59	1.957	1.975	(0.424)	6403	1.00000	1.2
182 Dichlorofluoromethane	67	1.828	1.840	(0.396)	13594	1.00000	1.1
13 Acrolein	56	2.322	2.340	(0.502)	5811	4.00000	5.0
15 1,1-Dichloroethene	96	2.087	2.104	(0.452)	6074	1.00000	1.2
14 Freon TF	101	2.146	2.163	(0.464)	5857	1.00000	1.1
16 Acetone	58	2.540	2.546	(0.549)	7149	5.00000	14
17 Iodomethane	142	2.187	2.204	(0.473)	10164	1.00000	1.1

Data File: /chem/VOAMS4.i/8260_09/05-03-12/03may12.b/d20300.d
Report Date: 16-May-2012 10:41

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	18 Carbon Disulfide	76	2.105	2.122	(0.455)	22715	1.00000	1.2
	19 Isopropanol	45	2.487	2.499	(0.538)	420951	1000.00	960(a)
	21 Acetonitrile	39	2.875	2.893	(0.622)	3912	20.0000	18(a)
	27 Methyl Acetate	43	2.622	2.646	(0.567)	15648	1.00000	1.2
	22 Methylene Chloride	84	2.493	2.504	(0.539)	5969	1.00000	1.1
	24 TBA	59	2.804	2.834	(0.607)	15457	20.0000	22
	25 trans-1,2-Dichloroethene	96	2.599	2.616	(0.562)	5178	1.00000	1.1
	26 Acrylonitrile	53	3.116	3.122	(0.674)	3867	2.00000	1.9(a)
	28 MTBE	73	2.699	2.716	(0.584)	18747	1.00000	1.1
	29 Hexane	56	2.652	2.669	(0.574)	4330	1.00000	1.2
	30 1,1-Dichloroethane	63	3.057	3.069	(0.661)	9202	1.00000	1.0
	31 Vinyl Acetate	43	3.275	3.287	(0.709)	11763	1.00000	1.0
	32 DIPE	45	2.987	3.004	(0.646)	19382	1.00000	1.1
	34 n-Propanol	42	3.352	3.351	(0.725)	39000	1000.00	980(a)
	35 t-Butyl-ethyl-ether	87	3.281	3.287	(0.710)	6817	1.00000	1.0
	37 2,2-Dichloropropane	77	3.587	3.598	(0.776)	8538	1.00000	1.1
	36 cis-1,2-Dichloroethene	96	3.493	3.498	(0.756)	5503	1.00000	1.0
	38 2-Butanone	72	4.004	4.016	(0.866)	3357	5.00000	3.6(a)
	39 Ethyl Acetate	70	3.851	3.863	(0.833)	1496	2.00000	2.5
	40 Bromochloromethane	128	3.657	3.663	(0.791)	2610	1.00000	1.0
	41 Tetrahydrofuran	42	3.851	3.863	(0.833)	4369	1.00000	1.8
	42 Chloroform	83	3.740	3.740	(0.809)	9030	1.00000	1.0
	43 1,1,1-Trichloroethane	97	3.899	3.910	(0.843)	8301	1.00000	1.0
	44 Cyclohexane	56	3.657	3.663	(0.791)	9820	1.00000	1.1
	45 Carbon Tetrachloride	117	3.822	3.845	(0.827)	6337	1.00000	0.87(a)
	46 1,1-Dichloropropene	75	3.999	4.010	(0.865)	7244	1.00000	1.1
$	47 1,2-Dichloroethane-d4 (SUR)	65	4.351	4.363	(0.941)	242982	50.0000	48
	48 Benzene	78	4.222	4.234	(0.527)	18570	1.00000	1.1
	49 1,2-Dichloroethane	62	4.416	4.422	(0.955)	7114	1.00000	1.0
	51 n-Heptane	57	4.210	4.222	(0.911)	3184	1.00000	0.98(a)
	50 t-Amyl-methyl-ether	73	4.369	4.375	(0.945)	15988	1.00000	1.0
	61 Isopropyl Acetate	43	4.710	4.716	(1.019)	20590	2.00000	1.9(a)
*	52 Fluorobenzene	96	4.622	4.628	(1.000)	707716	50.0000	
	54 Trichloroethene	95	4.793	4.798	(1.037)	5023	1.00000	1.0
	53 n-Butanol	41	5.228	5.228	(1.131)	50812	500.000	470(a)
	56 Methyl cyclohexane	83	4.775	4.781	(1.033)	8416	1.00000	0.99(a)
	55 Ethyl Acrylate	55	5.404	5.404	(1.169)	6531	1.00000	1.0
	57 1,2-Dichloropropane	63	5.316	5.328	(1.150)	4822	1.00000	1.0
	58 Dibromomethane	93	5.210	5.222	(1.127)	2906	1.00000	0.93(a)
	60 1,4-Dioxane	88	5.640	5.645	(1.220)	2694	50.0000	52
	59 Methyl Methacrylate	100	5.628	5.634	(1.218)	1208	1.00000	0.99(a)
	75 Propyl Acetate	43	5.804	5.804	(1.256)	14462	2.00000	2.0
	68 Bromodichloromethane	83	5.404	5.416	(1.169)	5490	1.00000	0.88(a)
	62 2-Chloroethyl Vinyl Ether	63	6.098	6.098	(1.319)	3236	1.00000	1.0
	63 Epichlorohydrin	57	6.440	6.445	(0.804)	10450	20.0000	20
	67 cis-1,3-Dichloropropene	75	6.128	6.134	(0.765)	6749	1.00000	1.0
	70 4-Methyl-2-Pentanone	43	6.904	6.910	(0.862)	25526	5.00000	4.9(a)

Data File: /chem/VOAMS4.i/8260_09/05-03-12/03may12.b/d20300.d
Report Date: 16-May-2012 10:41

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
$	65 Toluene-d8 (SUR)	98	6.345	6.351	(0.792)	594686	50.0000	51
	66 Toluene	91	6.404	6.410	(0.800)	21727	1.00000	1.2
	64 trans-1,3-Dichloropropene	75	6.934	6.934	(0.866)	5498	1.00000	0.93(a)
	69 1,1,2-Trichloroethane	83	7.104	7.104	(0.887)	3253	1.00000	1.0
	71 Tetrachloroethene	166	6.851	6.857	(0.855)	4194	1.00000	0.99(a)
	72 1,3-Dichloropropane	76	7.381	7.381	(0.921)	6280	1.00000	1.0
	73 2-Hexanone	43	7.798	7.798	(0.974)	17543	5.00000	5.1
	74 Dibromochloromethane	129	7.281	7.281	(0.909)	3376	1.00000	0.88(a)
	76 Butyl Acetate	73	7.745	7.745	(0.967)	2407	2.00000	2.0
	77 1,2-Dibromoethane	107	7.492	7.492	(0.935)	3598	1.00000	0.97(a)
*	78 Chlorobenzene-d5	117	8.010	8.016	(1.000)	441921	50.0000	
	79 Chlorobenzene	112	8.028	8.028	(1.002)	10310	1.00000	0.98(a)
	80 1,1,1,2-Tetrachloroethane	131	8.110	8.104	(1.012)	3862	1.00000	0.90(a)
	81 Ethylbenzene	106	8.081	8.081	(1.009)	5901	1.00000	1.0
	82 m+p-Xylene	106	8.222	8.222	(1.026)	13695	2.00000	1.9
	84 o-Xylene	106	8.598	8.598	(1.073)	7625	1.00000	1.0
	85 Styrene	104	8.645	8.645	(1.079)	10734	1.00000	0.90(a)
	83 Butyl Acrylate	73	8.810	8.810	(1.100)	3545	1.00000	1.1
	86 Bromoform	173	8.645	8.645	(1.079)	2157	1.00000	0.78(a)
	88 Isopropylbenzene	105	8.875	8.875	(1.108)	18482	1.00000	0.92(a)
$	89 Bromofluorobenzene (SUR)	174	9.092	9.092	(0.912)	194853	50.0000	49
	90 Camphene (total)	41	8.951	8.951	(1.117)	2434	1.00000	1.1
	91 Bromobenzene	156	9.163	9.163	(0.919)	4567	1.00000	0.97(a)
	92 1,1,2,2-Tetrachloroethane	83	9.286	9.292	(0.932)	5324	1.00000	1.0
	93 1,2,3-Trichloropropane	110	9.375	9.375	(0.940)	1446	1.00000	0.95(a)
	94 trans-1,4-Dichloro-2-butene	53	9.381	9.386	(0.941)	835	1.00000	1.3
	95 n-Propylbenzene	91	9.216	9.216	(0.924)	22217	1.00000	0.98(a)
	96 2-Chlorotoluene	91	9.322	9.322	(0.935)	13847	1.00000	0.99(a)
	97 1,3,5-Trimethylbenzene	105	9.386	9.386	(0.942)	15610	1.00000	0.92(a)
	98 4-Chlorotoluene	91	9.457	9.457	(0.949)	13369	1.00000	0.97(a)
	99 Butyl Methacrylate	87	9.645	9.645	(0.968)	5341	1.00000	0.90(a)
	100 tert-Butylbenzene	119	9.628	9.627	(0.966)	11855	1.00000	0.84(a)
	101 1,2,4-Trimethylbenzene	105	9.686	9.686	(0.972)	15757	1.00000	0.92(a)
	103 sec-Butylbenzene	105	9.763	9.763	(0.979)	18551	1.00000	0.86(a)
	105 1,3-Dichlorobenzene	146	9.910	9.910	(0.994)	8761	1.00000	0.97(a)
	107 p-Isopropyltoluene	119	9.886	9.880	(0.992)	16282	1.00000	0.90(a)
*	108 1,4-Dichlorobenzene-d4	152	9.969	9.969	(1.000)	242029	50.0000	
	109 1,4-Dichlorobenzene	146	9.980	9.980	(1.001)	9448	1.00000	1.0
	110 Benzyl Chloride	126	10.180	10.180	(1.021)	1821	1.00000	0.95(a)
	106 n-Butylbenzene	91	10.198	10.198	(1.023)	25622	1.00000	0.94(a)
	111 1,2-Dichlorobenzene	146	10.292	10.292	(1.032)	8547	1.00000	0.94(a)
	112 1,2-Dibromo-3-chloropropane	75	10.886	10.886	(1.092)	798	1.00000	0.84(a)
	113 Camphor	95	11.586	11.592	(1.162)	3364	5.00000	5.1
	114 1,2,4-Trichlorobenzene	180	11.369	11.374	(1.140)	7008	1.00000	1.00
	115 Hexachlorobutadiene	225	11.357	11.357	(1.139)	2860	1.00000	0.83(a)
	116 Naphthalene	128	11.622	11.621	(1.166)	16875	1.00000	1.1
	117 1,2,3-Trichlorobenzene	180	11.769	11.768	(1.181)	6705	1.00000	1.1

Data File: /chem/VOAMS4.i/8260_09/05-03-12/03may12.b/d20300.d
Report Date: 16-May-2012 10:41

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
M 120 1,2-Dichloroethene (Total)	100				10681	2.00000	2.1
M 121 Xylene (Total)	100				21320	3.00000	2.9(a)

QC Flag Legend

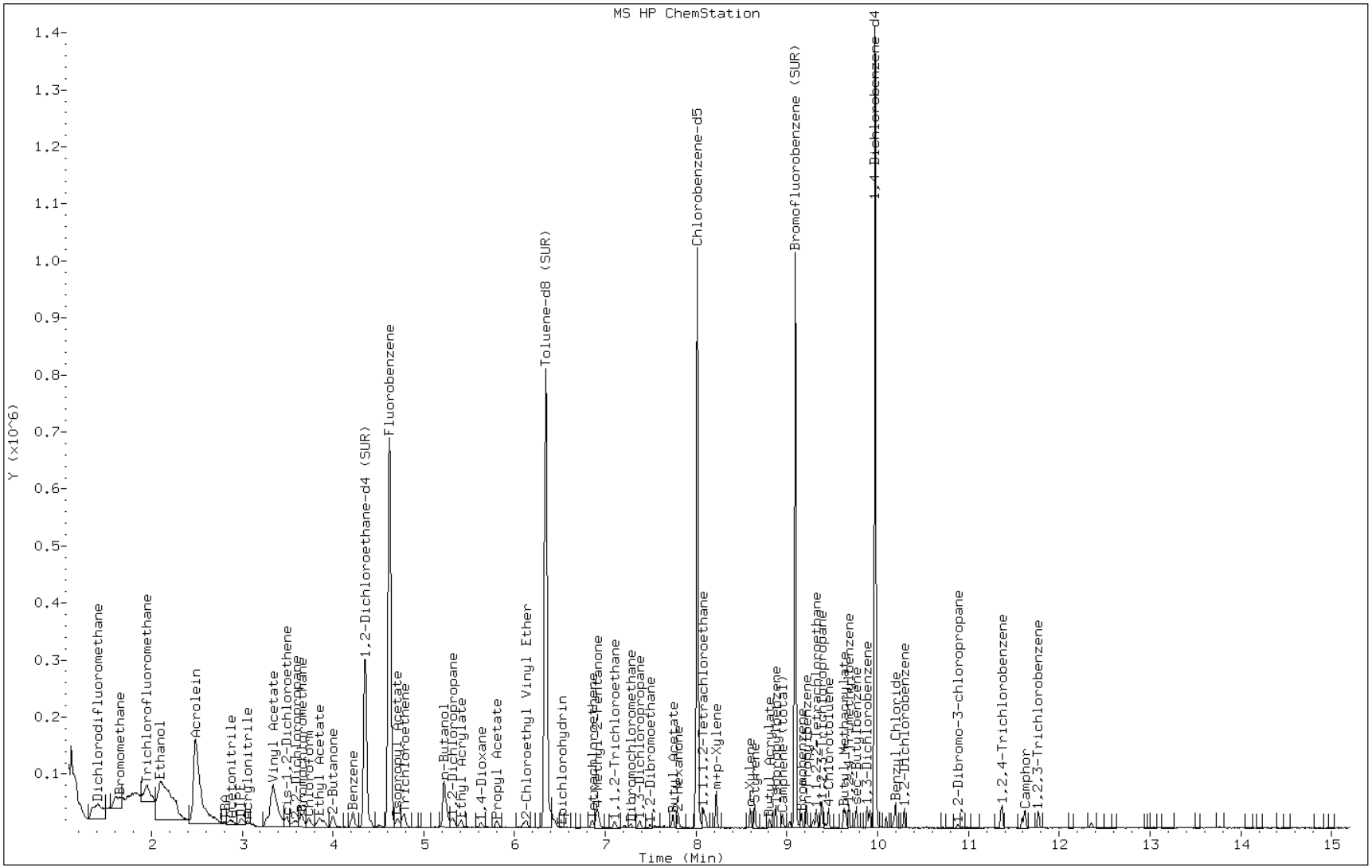
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: d20300.d

Date: 03-MAY-2012 03:48

Client ID: Instrument: VOAMS4.i

Sample Info: IC-VM8CAL1 Operator: VOA GC/MS4



Data File: /chem/VOAMS4.i/8260_09/05-03-12/03may12.b/d20301.d
Report Date: 16-May-2012 10:42

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VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS4.i/8260_09/05-03-12/03may12.b/d20301.d
Lab Smp Id: IC-VM8CAL2
Inj Date : 03-MAY-2012 04:12
Operator : VOA GC/MS4 Inst ID: VOAMS4.i
Smp Info : IC-VM8CAL2
Misc Info :
Comment :
Method : /chem/VOAMS4.i/8260_09/05-03-12/03may12.b/8260_09.m
Meth Date : 16-May-2012 10:42 vibha Quant Type: ISTD
Cal Date : 03-MAY-2012 04:12 Cal File: d20301.d
Als bottle: 9 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
2 Dichlorodifluoromethane	85	1.275	1.269	(0.276)	33888	5.00000	5.3
3 Chloromethane	50	1.352	1.357	(0.292)	40560	5.00000	5.0
4 Vinyl Chloride	62	1.428	1.434	(0.309)	49055	5.00000	5.2
6 Bromomethane	94	1.605	1.610	(0.347)	27522	5.00000	5.2
5 Chloroethane	64	1.675	1.675	(0.362)	22308	5.00000	5.2
7 Trichlorofluoromethane	101	1.804	1.816	(0.390)	46562	5.00000	5.5
8 n-Pentane	72	1.757	1.757	(0.380)	4864	5.00000	8.2
9 Ethanol	46	2.146	2.128	(0.464)	90408	2000.00	1900
10 Isoprene	67	1.957	1.957	(0.423)	47248	5.00000	6.5
11 Ethyl Ether	59	1.975	1.975	(0.427)	29170	5.00000	5.4
182 Dichlorofluoromethane	67	1.840	1.840	(0.398)	70629	5.00000	5.7
13 Acrolein	56	2.334	2.340	(0.504)	25840	20.0000	21
15 1,1-Dichloroethene	96	2.099	2.104	(0.453)	28238	5.00000	5.3
14 Freon TF	101	2.157	2.163	(0.466)	31464	5.00000	5.5
16 Acetone	58	2.546	2.546	(0.550)	11228	15.0000	21
17 Iodomethane	142	2.204	2.204	(0.476)	50534	5.00000	5.3

Data File: /chem/VOAMS4.i/8260_09/05-03-12/03may12.b/d20301.d
Report Date: 16-May-2012 10:42

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	18 Carbon Disulfide	76	2.116	2.122	(0.457)	103882	5.00000	5.1
	19 Isopropanol	45	2.499	2.499	(0.540)	914526	2000.00	2000
	21 Acetonitrile	39	2.899	2.893	(0.626)	19929	100.000	91
	27 Methyl Acetate	43	2.640	2.646	(0.570)	77978	5.00000	5.6
	22 Methylene Chloride	84	2.510	2.504	(0.542)	30006	5.00000	5.2
	24 TBA	59	2.822	2.834	(0.610)	69537	100.000	98
	25 trans-1,2-Dichloroethene	96	2.610	2.616	(0.564)	25576	5.00000	5.2
	26 Acrylonitrile	53	3.122	3.122	(0.675)	20738	10.0000	9.6
	28 MTBE	73	2.716	2.716	(0.587)	86061	5.00000	5.1
	29 Hexane	56	2.663	2.669	(0.575)	19371	5.00000	5.1
	30 1,1-Dichloroethane	63	3.075	3.069	(0.664)	45871	5.00000	5.1
	31 Vinyl Acetate	43	3.287	3.287	(0.710)	57005	5.00000	4.8
	32 DIPE	45	3.004	3.004	(0.649)	97739	5.00000	5.2
	34 n-Propanol	42	3.351	3.351	(0.724)	73989	2000.00	1800
	35 t-Butyl-ethyl-ether	87	3.287	3.287	(0.710)	33455	5.00000	5.0
	37 2,2-Dichloropropane	77	3.604	3.598	(0.779)	42945	5.00000	5.3
	36 cis-1,2-Dichloroethene	96	3.499	3.498	(0.756)	27690	5.00000	5.1
	38 2-Butanone	72	4.010	4.016	(0.867)	9476	15.0000	9.7
	39 Ethyl Acetate	70	3.863	3.863	(0.835)	7052	10.0000	11
	40 Bromochloromethane	128	3.669	3.663	(0.793)	13527	5.00000	5.0
	41 Tetrahydrofuran	42	3.869	3.863	(0.836)	15174	5.00000	5.9
	42 Chloroform	83	3.740	3.740	(0.808)	47382	5.00000	5.2
	43 1,1,1-Trichloroethane	97	3.904	3.910	(0.844)	41413	5.00000	5.0
	44 Cyclohexane	56	3.669	3.663	(0.793)	47656	5.00000	5.1
	45 Carbon Tetrachloride	117	3.846	3.845	(0.831)	36799	5.00000	4.8
	46 1,1-Dichloropropene	75	4.010	4.010	(0.867)	36283	5.00000	5.1
$	47 1,2-Dichloroethane-d4 (SUR)	65	4.357	4.363	(0.942)	259126	50.0000	49
	48 Benzene	78	4.228	4.234	(0.527)	97919	5.00000	5.4
	49 1,2-Dichloroethane	62	4.422	4.422	(0.956)	37837	5.00000	5.2
	51 n-Heptane	57	4.222	4.222	(0.912)	17550	5.00000	5.2
	50 t-Amyl-methyl-ether	73	4.369	4.375	(0.944)	78039	5.00000	4.9
	61 Isopropyl Acetate	43	4.716	4.716	(1.019)	105209	10.0000	9.5
*	52 Fluorobenzene	96	4.628	4.628	(1.000)	735158	50.0000	
	54 Trichloroethene	95	4.798	4.798	(1.037)	25807	5.00000	5.1
	53 n-Butanol	41	5.228	5.228	(1.130)	105614	1000.00	940
	56 Methyl cyclohexane	83	4.781	4.781	(1.033)	45283	5.00000	5.1
	55 Ethyl Acrylate	55	5.404	5.404	(1.168)	30895	5.00000	4.7
	57 1,2-Dichloropropane	63	5.328	5.328	(1.151)	25004	5.00000	5.0
	58 Dibromomethane	93	5.216	5.222	(1.127)	15999	5.00000	4.9
	60 1,4-Dioxane	88	5.645	5.645	(1.220)	5682	100.000	100
	59 Methyl Methacrylate	100	5.628	5.634	(1.216)	5655	5.00000	4.4
	75 Propyl Acetate	43	5.810	5.804	(1.255)	71819	10.0000	9.4
	68 Bromodichloromethane	83	5.416	5.416	(1.170)	30883	5.00000	4.8
	62 2-Chloroethyl Vinyl Ether	63	6.098	6.098	(1.318)	15386	5.00000	4.8
	63 Epichlorohydrin	57	6.445	6.445	(0.804)	50746	100.000	95
	67 cis-1,3-Dichloropropene	75	6.134	6.134	(0.765)	35849	5.00000	5.1
	70 4-Methyl-2-Pentanone	43	6.910	6.910	(0.862)	76615	15.0000	14

Data File: /chem/VOAMS4.i/8260_09/05-03-12/03may12.b/d20301.d
Report Date: 16-May-2012 10:42

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
$	65 Toluene-d8 (SUR)	98	6.351	6.351	(0.792)	624329	50.0000	51
	66 Toluene	91	6.410	6.410	(0.800)	100386	5.00000	5.2
	64 trans-1,3-Dichloropropene	75	6.934	6.934	(0.865)	30696	5.00000	5.0
	69 1,1,2-Trichloroethane	83	7.104	7.104	(0.886)	17392	5.00000	5.3
	71 Tetrachloroethene	166	6.863	6.857	(0.856)	22041	5.00000	5.0
	72 1,3-Dichloropropane	76	7.381	7.381	(0.921)	34028	5.00000	5.2
	73 2-Hexanone	43	7.804	7.798	(0.974)	48272	15.0000	14
	74 Dibromochloromethane	129	7.281	7.281	(0.908)	17978	5.00000	4.5
	76 Butyl Acetate	73	7.745	7.745	(0.966)	12632	10.0000	10
	77 1,2-Dibromoethane	107	7.492	7.492	(0.935)	19677	5.00000	5.1
*	78 Chlorobenzene-d5	117	8.016	8.016	(1.000)	460911	50.0000	
	79 Chlorobenzene	112	8.028	8.028	(1.001)	55255	5.00000	5.0
	80 1,1,1,2-Tetrachloroethane	131	8.104	8.104	(1.011)	21148	5.00000	4.7
	81 Ethylbenzene	106	8.081	8.081	(1.008)	30611	5.00000	5.0
	82 m+p-Xylene	106	8.222	8.222	(1.026)	75760	10.0000	10
	84 o-Xylene	106	8.598	8.598	(1.073)	39464	5.00000	5.0
	85 Styrene	104	8.645	8.645	(1.079)	60390	5.00000	4.8
	83 Butyl Acrylate	73	8.810	8.810	(1.099)	16723	5.00000	4.8
	86 Bromoform	173	8.645	8.645	(1.079)	11686	5.00000	4.0
	88 Isopropylbenzene	105	8.875	8.875	(1.107)	104995	5.00000	5.0
$	89 Bromofluorobenzene (SUR)	174	9.092	9.092	(0.912)	209776	50.0000	50
	90 Camphene (total)	41	8.951	8.951	(1.117)	11553	5.00000	5.2
	91 Bromobenzene	156	9.163	9.163	(0.919)	23772	5.00000	4.8
	92 1,1,2,2-Tetrachloroethane	83	9.292	9.292	(0.932)	26969	5.00000	5.0
	93 1,2,3-Trichloropropane	110	9.380	9.375	(0.941)	7946	5.00000	5.0
	94 trans-1,4-Dichloro-2-butene	53	9.386	9.386	(0.942)	2985	5.00000	4.3
	95 n-Propylbenzene	91	9.216	9.216	(0.924)	122962	5.00000	5.2
	96 2-Chlorotoluene	91	9.322	9.322	(0.935)	73252	5.00000	5.0
	97 1,3,5-Trimethylbenzene	105	9.386	9.386	(0.942)	87309	5.00000	4.9
	98 4-Chlorotoluene	91	9.457	9.457	(0.949)	72585	5.00000	5.0
	99 Butyl Methacrylate	87	9.645	9.645	(0.968)	30030	5.00000	4.8
	100 tert-Butylbenzene	119	9.628	9.627	(0.966)	69338	5.00000	4.7
	101 1,2,4-Trimethylbenzene	105	9.686	9.686	(0.972)	89297	5.00000	5.0
	103 sec-Butylbenzene	105	9.763	9.763	(0.979)	111729	5.00000	4.9
	105 1,3-Dichlorobenzene	146	9.910	9.910	(0.994)	46543	5.00000	4.9
	107 p-Isopropyltoluene	119	9.880	9.880	(0.991)	92866	5.00000	4.9
*	108 1,4-Dichlorobenzene-d4	152	9.969	9.969	(1.000)	253697	50.0000	
	109 1,4-Dichlorobenzene	146	9.980	9.980	(1.001)	49413	5.00000	5.0
	110 Benzyl Chloride	126	10.180	10.180	(1.021)	9232	5.00000	4.6
	106 n-Butylbenzene	91	10.198	10.198	(1.023)	139799	5.00000	4.9
	111 1,2-Dichlorobenzene	146	10.292	10.292	(1.032)	48655	5.00000	5.1
	112 1,2-Dibromo-3-chloropropane	75	10.886	10.886	(1.092)	4796	5.00000	4.8
	113 Camphor	95	11.592	11.592	(1.163)	15060	25.0000	22
	114 1,2,4-Trichlorobenzene	180	11.374	11.374	(1.141)	36039	5.00000	4.9
	115 Hexachlorobutadiene	225	11.357	11.357	(1.139)	16032	5.00000	4.5
	116 Naphthalene	128	11.622	11.621	(1.166)	79101	5.00000	4.8
	117 1,2,3-Trichlorobenzene	180	11.769	11.768	(1.181)	31238	5.00000	4.8

Data File: /chem/VOAMS4.i/8260_09/05-03-12/03may12.b/d20301.d
Report Date: 16-May-2012 10:42

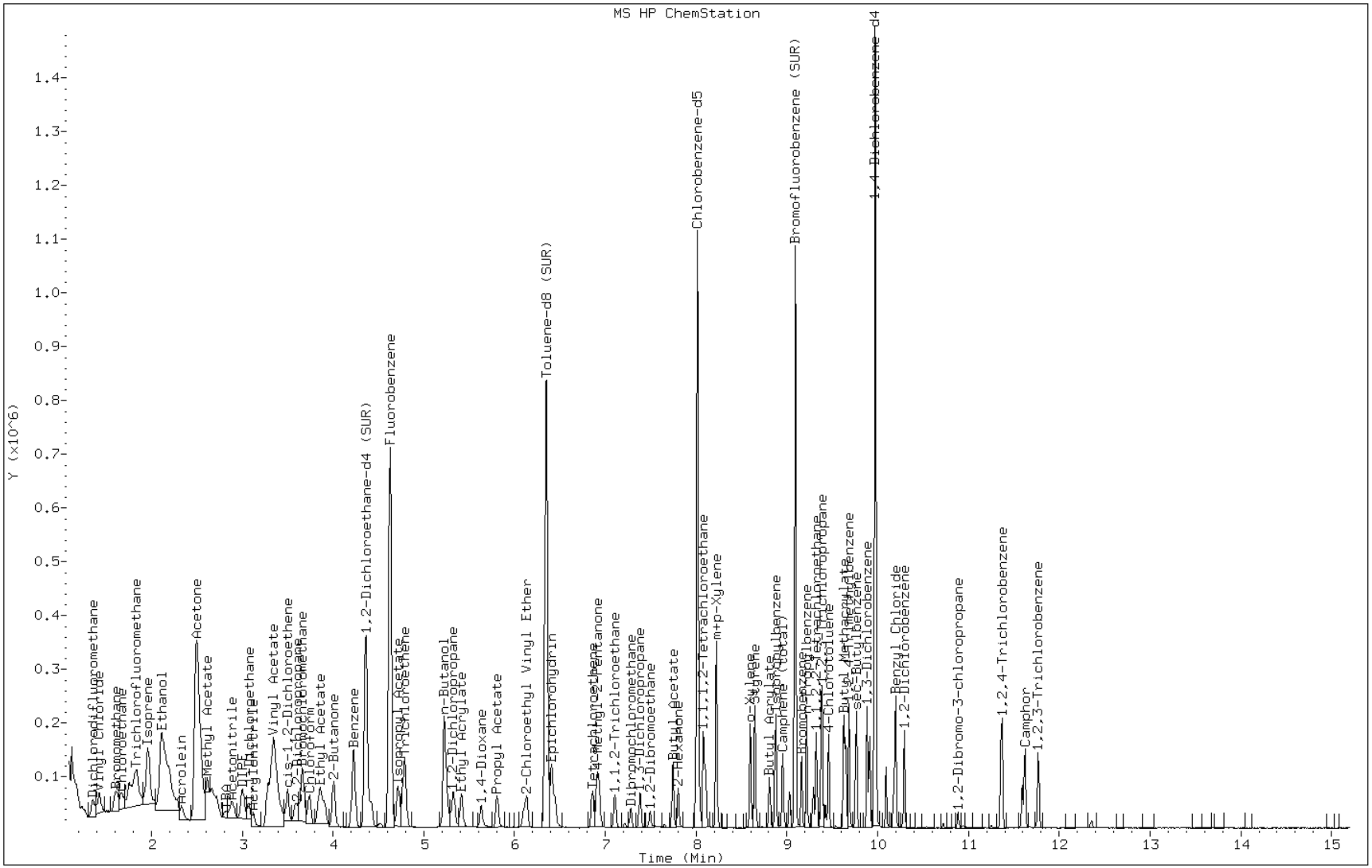
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
M 120 1,2-Dichloroethene (Total)	100				53266	10.0000	10
M 121 Xylene (Total)	100				115224	15.0000	15

Data File: d20301.d

Date: 03-MAY-2012 04:12

Client ID: Instrument: VOAMS4.i

Sample Info: IC-VM8CAL2 Operator: VOA GC/MS4



Data File: /chem/VOAMS4.i/8260_09/05-03-12/03may12.b/d20302.d
Report Date: 16-May-2012 10:42

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VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS4.i/8260_09/05-03-12/03may12.b/d20302.d
Lab Smp Id: ICIS-VM8CAL3
Inj Date : 03-MAY-2012 04:35
Operator : VOA GC/MS4 Inst ID: VOAMS4.i
Smp Info : ICIS-VM8CAL3
Misc Info :
Comment :
Method : /chem/VOAMS4.i/8260_09/05-03-12/03may12.b/8260_09.m
Meth Date : 16-May-2012 10:42 vibha Quant Type: ISTD
Cal Date : 03-MAY-2012 04:35 Cal File: d20302.d
Als bottle: 10 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
2 Dichlorodifluoromethane	85	1.269	1.269	(0.274)	128625	20.0000	19
3 Chloromethane	50	1.357	1.357	(0.293)	157571	20.0000	19
4 Vinyl Chloride	62	1.434	1.434	(0.310)	176563	20.0000	18
6 Bromomethane	94	1.610	1.610	(0.348)	102164	20.0000	19
5 Chloroethane	64	1.675	1.675	(0.362)	81285	20.0000	18
7 Trichlorofluoromethane	101	1.816	1.816	(0.392)	162208	20.0000	19
8 n-Pentane	72	1.757	1.757	(0.380)	13170	20.0000	21
9 Ethanol	46	2.128	2.128	(0.460)	142586	3000.00	2900
10 Isoprene	67	1.957	1.957	(0.423)	158834	20.0000	21
11 Ethyl Ether	59	1.975	1.975	(0.427)	106964	20.0000	19
182 Dichlorofluoromethane	67	1.840	1.840	(0.398)	225860	20.0000	18
13 Acrolein	56	2.340	2.340	(0.506)	42069	40.0000	34
15 1,1-Dichloroethene	96	2.104	2.104	(0.455)	100957	20.0000	18
14 Freon TF	101	2.163	2.163	(0.467)	110408	20.0000	19
16 Acetone	58	2.546	2.546	(0.550)	15829	20.0000	29
17 Iodomethane	142	2.204	2.204	(0.476)	187774	20.0000	19

Data File: /chem/VOAMS4.i/8260_09/05-03-12/03may12.b/d20302.d
Report Date: 16-May-2012 10:42

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	18 Carbon Disulfide	76	2.122	2.122	(0.459)	389575	20.0000	18
	19 Isopropanol	45	2.499	2.499	(0.540)	1396166	3000.00	3000
	21 Acetonitrile	39	2.893	2.893	(0.625)	96877	400.000	430
	27 Methyl Acetate	43	2.646	2.646	(0.572)	277516	20.0000	19
	22 Methylene Chloride	84	2.504	2.504	(0.541)	114112	20.0000	19
	24 TBA	59	2.834	2.834	(0.612)	272599	400.000	370
	25 trans-1,2-Dichloroethene	96	2.616	2.616	(0.565)	96742	20.0000	19
	26 Acrylonitrile	53	3.122	3.122	(0.675)	44524	20.0000	20
	28 MTBE	73	2.716	2.716	(0.587)	330887	20.0000	19
	29 Hexane	56	2.669	2.669	(0.577)	72630	20.0000	18
	30 1,1-Dichloroethane	63	3.069	3.069	(0.663)	177261	20.0000	19
	31 Vinyl Acetate	43	3.287	3.287	(0.710)	268061	20.0000	22
	32 DIPE	45	3.004	3.004	(0.649)	366451	20.0000	19
	34 n-Propanol	42	3.351	3.351	(0.724)	126268	3000.00	3000
	35 t-Butyl-ethyl-ether	87	3.287	3.287	(0.710)	130667	20.0000	19
	37 2,2-Dichloropropane	77	3.598	3.598	(0.778)	160993	20.0000	19
	36 cis-1,2-Dichloroethene	96	3.498	3.498	(0.756)	108130	20.0000	19
	38 2-Butanone	72	4.016	4.016	(0.868)	18799	20.0000	19
	39 Ethyl Acetate	70	3.863	3.863	(0.835)	22107	40.0000	34
	40 Bromochloromethane	128	3.663	3.663	(0.792)	53591	20.0000	19
	41 Tetrahydrofuran	42	3.863	3.863	(0.835)	50706	20.0000	19
	42 Chloroform	83	3.740	3.740	(0.808)	181937	20.0000	19
	43 1,1,1-Trichloroethane	97	3.910	3.910	(0.845)	161914	20.0000	19
	44 Cyclohexane	56	3.663	3.663	(0.792)	176770	20.0000	18
	45 Carbon Tetrachloride	117	3.845	3.845	(0.831)	148137	20.0000	19
	46 1,1-Dichloropropene	75	4.010	4.010	(0.867)	137808	20.0000	19
$	47 1,2-Dichloroethane-d4 (SUR)	65	4.363	4.363	(0.943)	265426	50.0000	49
	48 Benzene	78	4.234	4.234	(0.528)	378259	20.0000	20
	49 1,2-Dichloroethane	62	4.422	4.422	(0.956)	146898	20.0000	20
	51 n-Heptane	57	4.222	4.222	(0.912)	64207	20.0000	18
	50 t-Amyl-methyl-ether	73	4.375	4.375	(0.945)	308369	20.0000	19
	61 Isopropyl Acetate	43	4.716	4.716	(1.019)	436405	40.0000	38
*	52 Fluorobenzene	96	4.628	4.628	(1.000)	757904	50.0000	
	54 Trichloroethene	95	4.798	4.798	(1.037)	97264	20.0000	18
	53 n-Butanol	41	5.228	5.228	(1.130)	169805	1500.00	1500
	56 Methyl cyclohexane	83	4.781	4.781	(1.033)	164839	20.0000	18
	55 Ethyl Acrylate	55	5.404	5.404	(1.168)	122954	20.0000	18
	57 1,2-Dichloropropane	63	5.328	5.328	(1.151)	97700	20.0000	19
	58 Dibromomethane	93	5.222	5.222	(1.128)	65931	20.0000	20
	60 1,4-Dioxane	88	5.645	5.645	(1.220)	8637	150.000	140
	59 Methyl Methacrylate	100	5.634	5.634	(1.217)	24443	20.0000	19
	75 Propyl Acetate	43	5.804	5.804	(1.254)	290719	40.0000	37
	68 Bromodichloromethane	83	5.416	5.416	(1.170)	124405	20.0000	18
	62 2-Chloroethyl Vinyl Ether	63	6.098	6.098	(1.318)	60349	20.0000	18
	63 Epichlorohydrin	57	6.445	6.445	(0.804)	215315	400.000	390
	67 cis-1,3-Dichloropropene	75	6.134	6.134	(0.765)	144469	20.0000	20
	70 4-Methyl-2-Pentanone	43	6.910	6.910	(0.862)	115524	20.0000	20

Data File: /chem/VOAMS4.i/8260_09/05-03-12/03may12.b/d20302.d
Report Date: 16-May-2012 10:42

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
$	65 Toluene-d8 (SUR)	98	6.351	6.351	(0.792)	650985	50.0000	51
	66 Toluene	91	6.410	6.410	(0.800)	383050	20.0000	19
	64 trans-1,3-Dichloropropene	75	6.934	6.934	(0.865)	129652	20.0000	20
	69 1,1,2-Trichloroethane	83	7.104	7.104	(0.886)	67101	20.0000	19
	71 Tetrachloroethene	166	6.857	6.857	(0.855)	89301	20.0000	19
	72 1,3-Dichloropropane	76	7.381	7.381	(0.921)	134032	20.0000	20
	73 2-Hexanone	43	7.798	7.798	(0.973)	76360	20.0000	20
	74 Dibromochloromethane	129	7.281	7.281	(0.908)	80013	20.0000	19
	76 Butyl Acetate	73	7.745	7.745	(0.966)	51032	40.0000	39
	77 1,2-Dibromoethane	107	7.492	7.492	(0.935)	80457	20.0000	20
*	78 Chlorobenzene-d5	117	8.016	8.016	(1.000)	480914	50.0000	
	79 Chlorobenzene	112	8.028	8.028	(1.001)	222581	20.0000	19
	80 1,1,1,2-Tetrachloroethane	131	8.104	8.104	(1.011)	90953	20.0000	20
	81 Ethylbenzene	106	8.081	8.081	(1.008)	123550	20.0000	19
	82 m+p-Xylene	106	8.222	8.222	(1.026)	306245	40.0000	39
	84 o-Xylene	106	8.598	8.598	(1.073)	160557	20.0000	19
	85 Styrene	104	8.645	8.645	(1.079)	249519	20.0000	19
	83 Butyl Acrylate	73	8.810	8.810	(1.099)	69178	20.0000	19
	86 Bromoform	173	8.645	8.645	(1.079)	52980	20.0000	17
	88 Isopropylbenzene	105	8.875	8.875	(1.107)	435679	20.0000	20
$	89 Bromofluorobenzene (SUR)	174	9.092	9.092	(0.912)	220469	50.0000	50
	90 Camphene (total)	41	8.951	8.951	(1.117)	42091	20.0000	18
	91 Bromobenzene	156	9.163	9.163	(0.919)	100779	20.0000	20
	92 1,1,2,2-Tetrachloroethane	83	9.292	9.292	(0.932)	110657	20.0000	19
	93 1,2,3-Trichloropropane	110	9.375	9.375	(0.940)	33491	20.0000	20
	94 trans-1,4-Dichloro-2-butene	53	9.386	9.386	(0.942)	12628	20.0000	17
	95 n-Propylbenzene	91	9.216	9.216	(0.924)	507525	20.0000	20
	96 2-Chlorotoluene	91	9.322	9.322	(0.935)	297593	20.0000	19
	97 1,3,5-Trimethylbenzene	105	9.386	9.386	(0.942)	366431	20.0000	20
	98 4-Chlorotoluene	91	9.457	9.457	(0.949)	293973	20.0000	19
	99 Butyl Methacrylate	87	9.645	9.645	(0.968)	128510	20.0000	20
	100 tert-Butylbenzene	119	9.627	9.627	(0.966)	301916	20.0000	19
	101 1,2,4-Trimethylbenzene	105	9.686	9.686	(0.972)	372534	20.0000	20
	103 sec-Butylbenzene	105	9.763	9.763	(0.979)	480879	20.0000	20
	105 1,3-Dichlorobenzene	146	9.910	9.910	(0.994)	193795	20.0000	19
	107 p-Isopropyltoluene	119	9.880	9.880	(0.991)	398875	20.0000	20
*	108 1,4-Dichlorobenzene-d4	152	9.969	9.969	(1.000)	266736	50.0000	
	109 1,4-Dichlorobenzene	146	9.980	9.980	(1.001)	199830	20.0000	19
	110 Benzyl Chloride	126	10.180	10.180	(1.021)	40793	20.0000	19
	106 n-Butylbenzene	91	10.198	10.198	(1.023)	603182	20.0000	20
	111 1,2-Dichlorobenzene	146	10.292	10.292	(1.032)	198194	20.0000	20
	112 1,2-Dibromo-3-chloropropane	75	10.886	10.886	(1.092)	20024	20.0000	19
	113 Camphor	95	11.592	11.592	(1.163)	64965	100.000	89
	114 1,2,4-Trichlorobenzene	180	11.374	11.374	(1.141)	148561	20.0000	19
	115 Hexachlorobutadiene	225	11.357	11.357	(1.139)	72142	20.0000	19
	116 Naphthalene	128	11.621	11.621	(1.166)	336198	20.0000	19
	117 1,2,3-Trichlorobenzene	180	11.768	11.768	(1.181)	132215	20.0000	19

Data File: /chem/VOAMS4.i/8260_09/05-03-12/03may12.b/d20302.d
Report Date: 16-May-2012 10:42

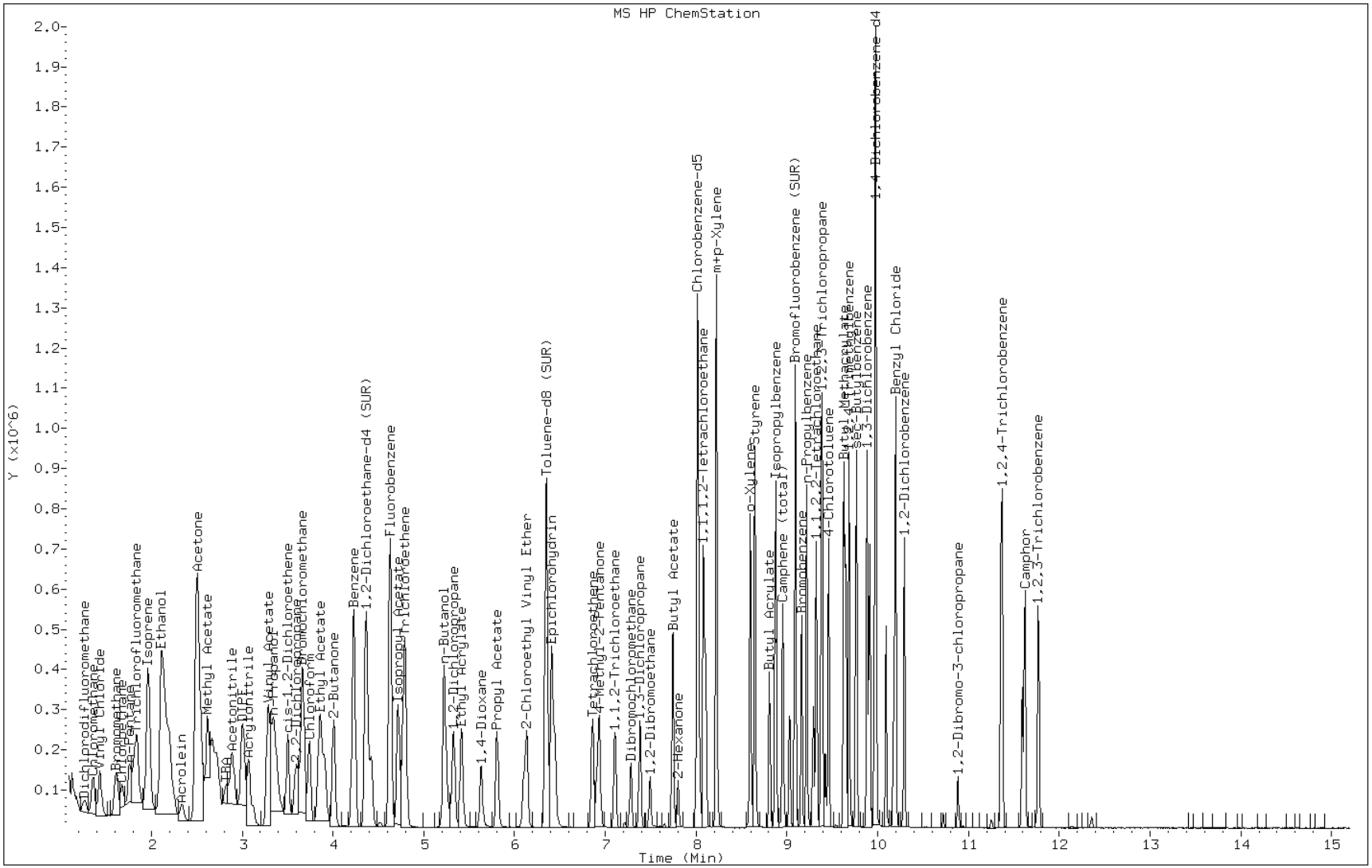
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
M 120 1,2-Dichloroethene (Total)	100				204872	40.0000	38
M 121 Xylene (Total)	100				466802	60.0000	58

Data File: d20302.d

Date: 03-MAY-2012 04:35

Client ID: Instrument: VOAMS4.i

Sample Info: ICIS-VM8CAL3 Operator: VOA GC/MS4



Data File: /chem/VOAMS4.i/8260_09/05-03-12/03may12.b/d20303.d
Report Date: 16-May-2012 10:42

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VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS4.i/8260_09/05-03-12/03may12.b/d20303.d
Lab Smp Id: IC-VM8CAL4
Inj Date : 03-MAY-2012 04:58
Operator : VOA GC/MS4 Inst ID: VOAMS4.i
Smp Info : IC-VM8CAL4
Misc Info :
Comment :
Method : /chem/VOAMS4.i/8260_09/05-03-12/03may12.b/8260_09.m
Meth Date : 16-May-2012 10:42 vibha Quant Type: ISTD
Cal Date : 03-MAY-2012 04:58 Cal File: d20303.d
Als bottle: 11 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
2 Dichlorodifluoromethane	85	1.263	1.269	(0.273)	330868	50.0000	49
3 Chloromethane	50	1.352	1.357	(0.292)	405465	50.0000	47
4 Vinyl Chloride	62	1.428	1.434	(0.309)	464913	50.0000	47
6 Bromomethane	94	1.605	1.610	(0.347)	265369	50.0000	48
5 Chloroethane	64	1.669	1.675	(0.361)	207052	50.0000	46
7 Trichlorofluoromethane	101	1.799	1.816	(0.389)	422800	50.0000	48
8 n-Pentane	72	1.752	1.757	(0.378)	28937	50.0000	46
9 Ethanol	46	2.116	2.128	(0.457)	189105	4000.00	3800
10 Isoprene	67	1.952	1.957	(0.422)	381644	50.0000	50
11 Ethyl Ether	59	1.969	1.975	(0.426)	261537	50.0000	46
182 Dichlorofluoromethane	67	1.834	1.840	(0.396)	592884	50.0000	46
13 Acrolein	56	2.334	2.340	(0.504)	116626	100.000	92
15 1,1-Dichloroethene	96	2.099	2.104	(0.453)	257491	50.0000	46
14 Freon TF	101	2.152	2.163	(0.465)	277912	50.0000	46
16 Acetone	58	2.546	2.546	(0.550)	34160	50.0000	61
17 Iodomethane	142	2.193	2.204	(0.474)	469970	50.0000	47

Data File: /chem/VOAMS4.i/8260_09/05-03-12/03may12.b/d20303.d
Report Date: 16-May-2012 10:42

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	18 Carbon Disulfide	76	2.110	2.122	(0.456)	972951	50.0000	46
	19 Isopropanol	45	2.493	2.499	(0.539)	1917943	4000.00	4000
	21 Acetonitrile	39	2.887	2.893	(0.624)	242640	1000.00	1000
	27 Methyl Acetate	43	2.640	2.646	(0.570)	674437	50.0000	46
	22 Methylene Chloride	84	2.504	2.504	(0.541)	290983	50.0000	48
	24 TBA	59	2.822	2.834	(0.610)	719622	1000.00	960
	25 trans-1,2-Dichloroethene	96	2.610	2.616	(0.564)	240708	50.0000	46
	26 Acrylonitrile	53	3.116	3.122	(0.673)	113642	50.0000	50
	28 MTBE	73	2.710	2.716	(0.586)	844267	50.0000	47
	29 Hexane	56	2.663	2.669	(0.575)	179644	50.0000	45
	30 1,1-Dichloroethane	63	3.069	3.069	(0.663)	449444	50.0000	47
	31 Vinyl Acetate	43	3.281	3.287	(0.709)	579364	50.0000	46
	32 DIPE	45	2.999	3.004	(0.648)	924852	50.0000	47
	34 n-Propanol	42	3.351	3.351	(0.724)	178766	4000.00	4100
	35 t-Butyl-ethyl-ether	87	3.281	3.287	(0.709)	338969	50.0000	48
	37 2,2-Dichloropropane	77	3.598	3.598	(0.778)	404679	50.0000	47
	36 cis-1,2-Dichloroethene	96	3.499	3.498	(0.756)	275395	50.0000	48
	38 2-Butanone	72	4.004	4.016	(0.865)	48218	50.0000	47
	39 Ethyl Acetate	70	3.857	3.863	(0.834)	59003	100.000	90
	40 Bromochloromethane	128	3.663	3.663	(0.792)	137351	50.0000	48
	41 Tetrahydrofuran	42	3.863	3.863	(0.835)	128989	50.0000	48
	42 Chloroform	83	3.734	3.740	(0.807)	458350	50.0000	48
	43 1,1,1-Trichloroethane	97	3.904	3.910	(0.844)	420351	50.0000	48
	44 Cyclohexane	56	3.657	3.663	(0.790)	444336	50.0000	45
	45 Carbon Tetrachloride	117	3.840	3.845	(0.830)	392444	50.0000	49
	46 1,1-Dichloropropene	75	4.004	4.010	(0.865)	350355	50.0000	47
$	47 1,2-Dichloroethane-d4 (SUR)	65	4.357	4.363	(0.942)	262803	50.0000	48
	48 Benzene	78	4.228	4.234	(0.527)	950102	50.0000	48
	49 1,2-Dichloroethane	62	4.422	4.422	(0.956)	364929	50.0000	48
	51 n-Heptane	57	4.216	4.222	(0.911)	166056	50.0000	47
	50 t-Amyl-methyl-ether	73	4.369	4.375	(0.944)	796504	50.0000	48
	61 Isopropyl Acetate	43	4.716	4.716	(1.019)	1148717	100.000	99
*	52 Fluorobenzene	96	4.628	4.628	(1.000)	770500	50.0000	
	54 Trichloroethene	95	4.793	4.798	(1.036)	253107	50.0000	48
	53 n-Butanol	41	5.228	5.228	(1.130)	236458	2000.00	2000
	56 Methyl cyclohexane	83	4.781	4.781	(1.033)	421634	50.0000	46
	55 Ethyl Acrylate	55	5.404	5.404	(1.168)	327366	50.0000	48
	57 1,2-Dichloropropane	63	5.328	5.328	(1.151)	251101	50.0000	48
	58 Dibromomethane	93	5.216	5.222	(1.127)	166472	50.0000	49
	60 1,4-Dioxane	88	5.640	5.645	(1.219)	14353	200.000	210
	59 Methyl Methacrylate	100	5.634	5.634	(1.217)	66226	50.0000	50
	75 Propyl Acetate	43	5.804	5.804	(1.254)	781679	100.000	98
	68 Bromodichloromethane	83	5.416	5.416	(1.170)	331904	50.0000	49
	62 2-Chloroethyl Vinyl Ether	63	6.098	6.098	(1.318)	161786	50.0000	48
	63 Epichlorohydrin	57	6.439	6.445	(0.803)	585900	1000.00	1000
	67 cis-1,3-Dichloropropene	75	6.134	6.134	(0.765)	379821	50.0000	49
	70 4-Methyl-2-Pentanone	43	6.910	6.910	(0.862)	307220	50.0000	52

Data File: /chem/VOAMS4.i/8260_09/05-03-12/03may12.b/d20303.d
Report Date: 16-May-2012 10:42

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
$	65 Toluene-d8 (SUR)	98	6.345	6.351	(0.792)	663999	50.0000	49
	66 Toluene	91	6.410	6.410	(0.800)	972412	50.0000	46
	64 trans-1,3-Dichloropropene	75	6.934	6.934	(0.865)	344708	50.0000	51
	69 1,1,2-Trichloroethane	83	7.104	7.104	(0.886)	176521	50.0000	49
	71 Tetrachloroethene	166	6.857	6.857	(0.855)	241257	50.0000	50
	72 1,3-Dichloropropane	76	7.381	7.381	(0.921)	347939	50.0000	49
	73 2-Hexanone	43	7.798	7.798	(0.973)	203243	50.0000	52
	74 Dibromochloromethane	129	7.281	7.281	(0.908)	220803	50.0000	50
	76 Butyl Acetate	73	7.745	7.745	(0.966)	134333	100.000	98
	77 1,2-Dibromoethane	107	7.492	7.492	(0.935)	211121	50.0000	50
*	78 Chlorobenzene-d5	117	8.016	8.016	(1.000)	505384	50.0000	
	79 Chlorobenzene	112	8.028	8.028	(1.001)	585358	50.0000	48
	80 1,1,1,2-Tetrachloroethane	131	8.104	8.104	(1.011)	245329	50.0000	50
	81 Ethylbenzene	106	8.081	8.081	(1.008)	322676	50.0000	48
	82 m+p-Xylene	106	8.222	8.222	(1.026)	804441	100.000	96
	84 o-Xylene	106	8.598	8.598	(1.073)	413995	50.0000	48
	85 Styrene	104	8.645	8.645	(1.079)	665656	50.0000	49
	83 Butyl Acrylate	73	8.810	8.810	(1.099)	187152	50.0000	49
	86 Bromoform	173	8.645	8.645	(1.079)	150259	50.0000	46
	88 Isopropylbenzene	105	8.875	8.875	(1.107)	1176877	50.0000	51
$	89 Bromofluorobenzene (SUR)	174	9.092	9.092	(0.912)	227557	50.0000	50
	90 Camphene (total)	41	8.951	8.951	(1.117)	112756	50.0000	46
	91 Bromobenzene	156	9.163	9.163	(0.919)	264757	50.0000	49
	92 1,1,2,2-Tetrachloroethane	83	9.292	9.292	(0.932)	289182	50.0000	48
	93 1,2,3-Trichloropropane	110	9.375	9.375	(0.940)	86159	50.0000	49
	94 trans-1,4-Dichloro-2-butene	53	9.386	9.386	(0.942)	32746	50.0000	43
	95 n-Propylbenzene	91	9.216	9.216	(0.924)	1335001	50.0000	51
	96 2-Chlorotoluene	91	9.322	9.322	(0.935)	778171	50.0000	49
	97 1,3,5-Trimethylbenzene	105	9.386	9.386	(0.942)	982367	50.0000	50
	98 4-Chlorotoluene	91	9.457	9.457	(0.949)	772084	50.0000	49
	99 Butyl Methacrylate	87	9.645	9.645	(0.968)	341648	50.0000	50
	100 tert-Butylbenzene	119	9.628	9.627	(0.966)	829307	50.0000	51
	101 1,2,4-Trimethylbenzene	105	9.686	9.686	(0.972)	995906	50.0000	51
	103 sec-Butylbenzene	105	9.763	9.763	(0.979)	1324731	50.0000	54
	105 1,3-Dichlorobenzene	146	9.910	9.910	(0.994)	513744	50.0000	49
	107 p-Isopropyltoluene	119	9.886	9.880	(0.992)	1092194	50.0000	52
*	108 1,4-Dichlorobenzene-d4	152	9.969	9.969	(1.000)	278114	50.0000	
	109 1,4-Dichlorobenzene	146	9.980	9.980	(1.001)	517696	50.0000	48
	110 Benzyl Chloride	126	10.180	10.180	(1.021)	110771	50.0000	50
	106 n-Butylbenzene	91	10.198	10.198	(1.023)	1605275	50.0000	51
	111 1,2-Dichlorobenzene	146	10.292	10.292	(1.032)	512082	50.0000	49
	112 1,2-Dibromo-3-chloropropane	75	10.886	10.886	(1.092)	55653	50.0000	51
	113 Camphor	95	11.592	11.592	(1.163)	187165	250.000	250
	114 1,2,4-Trichlorobenzene	180	11.374	11.374	(1.141)	390994	50.0000	48
	115 Hexachlorobutadiene	225	11.357	11.357	(1.139)	196841	50.0000	50
	116 Naphthalene	128	11.622	11.621	(1.166)	909295	50.0000	50
	117 1,2,3-Trichlorobenzene	180	11.769	11.768	(1.181)	352902	50.0000	50

Data File: /chem/VOAMS4.i/8260_09/05-03-12/03may12.b/d20303.d
Report Date: 16-May-2012 10:42

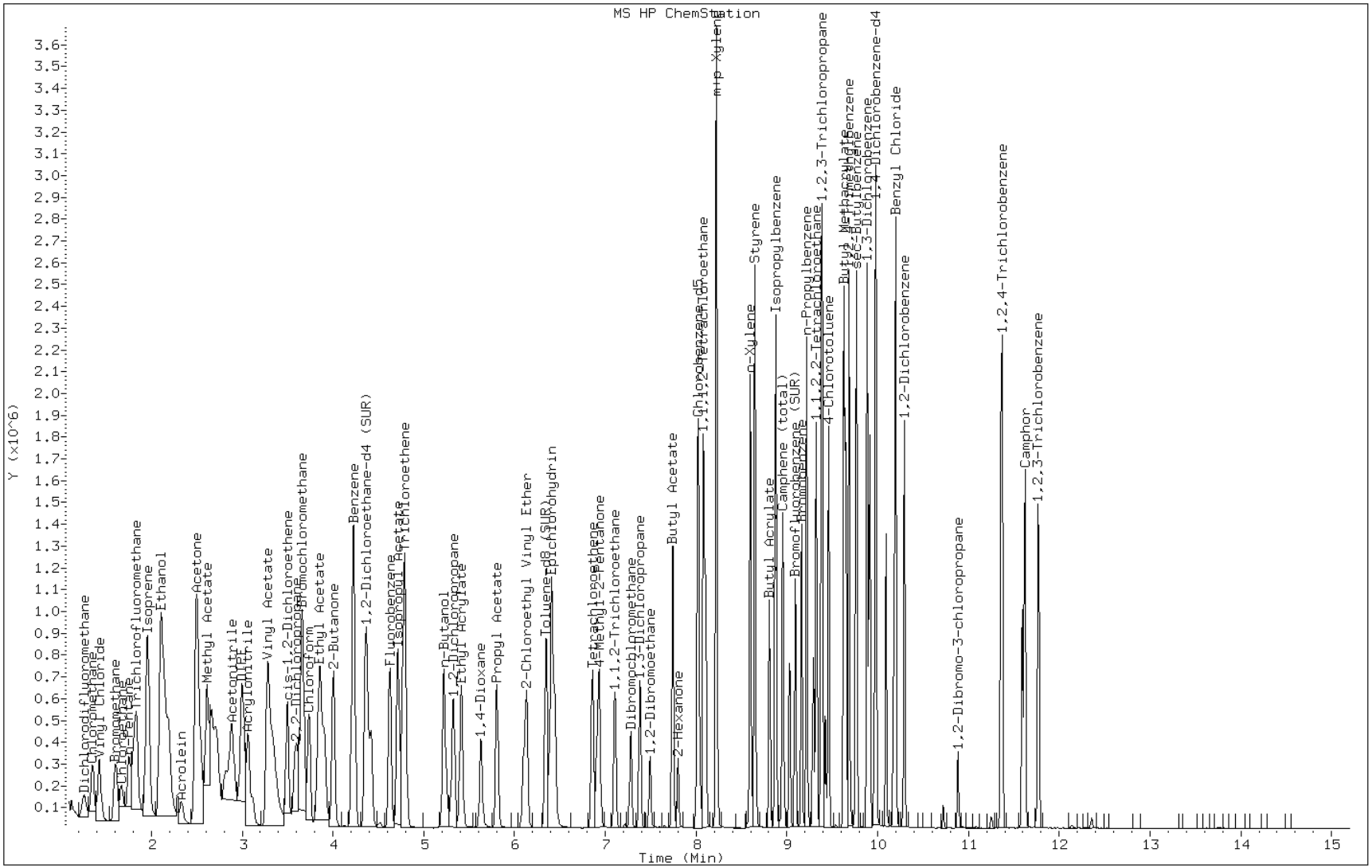
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
M 120 1,2-Dichloroethene (Total)	100				516103	100.000	95
M 121 Xylene (Total)	100				1218436	150.000	140

Data File: d20303.d

Date: 03-MAY-2012 04:58

Client ID: Instrument: VOAMS4.i

Sample Info: IC-VM8CAL4 Operator: VOA GC/MS4



Data File: /chem/VOAMS4.i/8260_09/05-03-12/03may12.b/d20304.d
Report Date: 16-May-2012 10:42

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VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS4.i/8260_09/05-03-12/03may12.b/d20304.d
Lab Smp Id: IC-VM8CAL5
Inj Date : 03-MAY-2012 05:21
Operator : VOA GC/MS4 Inst ID: VOAMS4.i
Smp Info : IC-VM8CAL5
Misc Info :
Comment :
Method : /chem/VOAMS4.i/8260_09/05-03-12/03may12.b/8260_09.m
Meth Date : 16-May-2012 10:42 vibha Quant Type: ISTD
Cal Date : 03-MAY-2012 05:21 Cal File: d20304.d
Als bottle: 12 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
2 Dichlorodifluoromethane	85	1.269	1.269	(0.274)	1416612	200.000	200
3 Chloromethane	50	1.363	1.357	(0.295)	1762900	200.000	200
4 Vinyl Chloride	62	1.440	1.434	(0.311)	1946183	200.000	190
6 Bromomethane	94	1.616	1.610	(0.349)	1082873	200.000	190
5 Chloroethane	64	1.681	1.675	(0.363)	855760	200.000	190
7 Trichlorofluoromethane	101	1.810	1.816	(0.391)	1788838	200.000	200
8 n-Pentane	72	1.751	1.757	(0.378)	125765	200.000	190
9 Ethanol	46	2.110	2.128	(0.456)	262228	5000.00	5000
10 Isoprene	67	1.957	1.957	(0.423)	1588426	200.000	200
11 Ethyl Ether	59	1.969	1.975	(0.426)	1015876	200.000	180
182 Dichlorofluoromethane	67	1.840	1.840	(0.398)	2482916	200.000	190
13 Acrolein	56	2.334	2.340	(0.504)	237310	200.000	180
15 1,1-Dichloroethene	96	2.099	2.104	(0.453)	1040067	200.000	180
14 Freon TF	101	2.157	2.163	(0.466)	1204973	200.000	190
16 Acetone	58	2.551	2.546	(0.551)	113510	200.000	200
17 Iodomethane	142	2.199	2.204	(0.475)	1901463	200.000	180

Data File: /chem/VOAMS4.i/8260_09/05-03-12/03may12.b/d20304.d
Report Date: 16-May-2012 10:42

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	18 Carbon Disulfide	76	2.116	2.122	(0.457)	4216277	200.000	190
	19 Isopropanol	45	2.498	2.499	(0.540)	2320122	5000.00	4700
	21 Acetonitrile	39	2.887	2.893	(0.624)	925654	4000.00	3900
	27 Methyl Acetate	43	2.640	2.646	(0.570)	2646616	200.000	180
	22 Methylene Chloride	84	2.504	2.504	(0.541)	1164215	200.000	180
	24 TBA	59	2.828	2.834	(0.611)	2890804	4000.00	3800
	25 trans-1,2-Dichloroethene	96	2.610	2.616	(0.564)	1005775	200.000	190
	26 Acrylonitrile	53	3.122	3.122	(0.675)	229938	100.000	99
	28 MTBE	73	2.716	2.716	(0.587)	3421425	200.000	180
	29 Hexane	56	2.663	2.669	(0.575)	782788	200.000	190
	30 1,1-Dichloroethane	63	3.069	3.069	(0.663)	1865096	200.000	190
	31 Vinyl Acetate	43	3.281	3.287	(0.709)	2492388	200.000	190
	32 DIPE	45	3.004	3.004	(0.649)	3822518	200.000	190
	34 n-Propanol	42	3.351	3.351	(0.724)	219594	5000.00	4900
	35 t-Butyl-ethyl-ether	87	3.293	3.287	(0.711)	1407809	200.000	190
	37 2,2-Dichloropropane	77	3.604	3.598	(0.779)	1676683	200.000	190
	36 cis-1,2-Dichloroethene	96	3.498	3.498	(0.756)	1122523	200.000	190
	38 2-Butanone	72	4.010	4.016	(0.867)	192535	200.000	180
	39 Ethyl Acetate	70	3.857	3.863	(0.833)	242621	400.000	360
	40 Bromochloromethane	128	3.663	3.663	(0.792)	566201	200.000	190
	41 Tetrahydrofuran	42	3.863	3.863	(0.835)	509517	200.000	180
	42 Chloroform	83	3.740	3.740	(0.808)	1904072	200.000	190
	43 1,1,1-Trichloroethane	97	3.904	3.910	(0.844)	1792919	200.000	200
	44 Cyclohexane	56	3.669	3.663	(0.793)	2015682	200.000	200
	45 Carbon Tetrachloride	117	3.845	3.845	(0.831)	1717685	200.000	210
	46 1,1-Dichloropropene	75	4.004	4.010	(0.865)	1488920	200.000	190
$	47 1,2-Dichloroethane-d4 (SUR)	65	4.363	4.363	(0.943)	281763	50.0000	50
	48 Benzene	78	4.228	4.234	(0.527)	4094787	200.000	180
	49 1,2-Dichloroethane	62	4.422	4.422	(0.956)	1512141	200.000	190
	51 n-Heptane	57	4.222	4.222	(0.912)	722649	200.000	200
	50 t-Amyl-methyl-ether	73	4.375	4.375	(0.945)	3346525	200.000	190
	61 Isopropyl Acetate	43	4.716	4.716	(1.019)	4756658	400.000	400
*	52 Fluorobenzene	96	4.628	4.628	(1.000)	796056	50.0000	
	54 Trichloroethene	95	4.798	4.798	(1.037)	1055588	200.000	190
	53 n-Butanol	41	5.228	5.228	(1.130)	299854	2500.00	2500
	56 Methyl cyclohexane	83	4.781	4.781	(1.033)	1924223	200.000	200
	55 Ethyl Acrylate	55	5.410	5.404	(1.169)	1418013	200.000	200
	57 1,2-Dichloropropane	63	5.328	5.328	(1.151)	1053826	200.000	200
	58 Dibromomethane	93	5.222	5.222	(1.128)	700193	200.000	200
	60 1,4-Dioxane	88	5.645	5.645	(1.220)	19267	250.000	250
	59 Methyl Methacrylate	100	5.634	5.634	(1.217)	281606	200.000	200(A)
	75 Propyl Acetate	43	5.804	5.804	(1.254)	3328809	400.000	400
	68 Bromodichloromethane	83	5.416	5.416	(1.170)	1472308	200.000	210
	62 2-Chloroethyl Vinyl Ether	63	6.098	6.098	(1.318)	691922	200.000	200
	63 Epichlorohydrin	57	6.445	6.445	(0.804)	2537414	4000.00	3900
	67 cis-1,3-Dichloropropene	75	6.134	6.134	(0.765)	1685566	200.000	200
	70 4-Methyl-2-Pentanone	43	6.910	6.910	(0.862)	1287093	200.000	200

Data File: /chem/VOAMS4.i/8260_09/05-03-12/03may12.b/d20304.d
Report Date: 16-May-2012 10:42

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
$	65 Toluene-d8 (SUR)	98	6.351	6.351	(0.792)	720659	50.0000	48
	66 Toluene	91	6.410	6.410	(0.800)	4305872	200.000	180
	64 trans-1,3-Dichloropropene	75	6.934	6.934	(0.865)	1557068	200.000	210
	69 1,1,2-Trichloroethane	83	7.104	7.104	(0.886)	759393	200.000	190
	71 Tetrachloroethene	166	6.857	6.857	(0.855)	1057249	200.000	200
	72 1,3-Dichloropropane	76	7.381	7.381	(0.921)	1515801	200.000	190
	73 2-Hexanone	43	7.798	7.798	(0.973)	843176	200.000	190
	74 Dibromochloromethane	129	7.281	7.281	(0.908)	1038862	200.000	210
	76 Butyl Acetate	73	7.745	7.745	(0.966)	585861	400.000	390
	77 1,2-Dibromoethane	107	7.492	7.492	(0.935)	910876	200.000	190
*	78 Chlorobenzene-d5	117	8.016	8.016	(1.000)	559189	50.0000	
	79 Chlorobenzene	112	8.028	8.028	(1.001)	2631534	200.000	200
	80 1,1,1,2-Tetrachloroethane	131	8.104	8.104	(1.011)	1113660	200.000	200
	81 Ethylbenzene	106	8.080	8.081	(1.008)	1460152	200.000	200
	82 m+p-Xylene	106	8.222	8.222	(1.026)	3780757	400.000	410
	84 o-Xylene	106	8.598	8.598	(1.073)	1871637	200.000	200
	85 Styrene	104	8.651	8.645	(1.079)	3092504	200.000	200
	83 Butyl Acrylate	73	8.810	8.810	(1.099)	808353	200.000	190
	86 Bromoform	173	8.645	8.645	(1.079)	767277	200.000	200
	88 Isopropylbenzene	105	8.880	8.875	(1.108)	5362995	200.000	210
$	89 Bromofluorobenzene (SUR)	174	9.092	9.092	(0.912)	246499	50.0000	49
	90 Camphene (total)	41	8.957	8.951	(1.117)	508974	200.000	190
	91 Bromobenzene	156	9.163	9.163	(0.919)	1168300	200.000	200
	92 1,1,2,2-Tetrachloroethane	83	9.292	9.292	(0.932)	1272692	200.000	200
	93 1,2,3-Trichloropropane	110	9.375	9.375	(0.940)	374914	200.000	200
	94 trans-1,4-Dichloro-2-butene	53	9.386	9.386	(0.941)	147478	200.000	180
	95 n-Propylbenzene	91	9.222	9.216	(0.925)	6060094	200.000	210(A)
	96 2-Chlorotoluene	91	9.327	9.322	(0.935)	3460375	200.000	200
	97 1,3,5-Trimethylbenzene	105	9.386	9.386	(0.941)	4509742	200.000	210
	98 4-Chlorotoluene	91	9.463	9.457	(0.949)	3409612	200.000	200
	99 Butyl Methacrylate	87	9.651	9.645	(0.968)	1526445	200.000	200
	100 tert-Butylbenzene	119	9.627	9.627	(0.965)	3845389	200.000	220
	101 1,2,4-Trimethylbenzene	105	9.686	9.686	(0.971)	4585198	200.000	220
	103 sec-Butylbenzene	105	9.769	9.763	(0.979)	6261921	200.000	230(A)
	105 1,3-Dichlorobenzene	146	9.916	9.910	(0.994)	2259743	200.000	200
	107 p-Isopropyltoluene	119	9.886	9.880	(0.991)	5033461	200.000	220
*	108 1,4-Dichlorobenzene-d4	152	9.974	9.969	(1.000)	302285	50.0000	
	109 1,4-Dichlorobenzene	146	9.986	9.980	(1.001)	2292290	200.000	200
	110 Benzyl Chloride	126	10.180	10.180	(1.021)	485606	200.000	200
	106 n-Butylbenzene	91	10.198	10.198	(1.022)	7219260	200.000	210
	111 1,2-Dichlorobenzene	146	10.292	10.292	(1.032)	2255529	200.000	200
	112 1,2-Dibromo-3-chloropropane	75	10.886	10.886	(1.091)	246605	200.000	210
	113 Camphor	95	11.592	11.592	(1.162)	842472	1000.00	1000(A)
	114 1,2,4-Trichlorobenzene	180	11.374	11.374	(1.140)	1731051	200.000	200
	115 Hexachlorobutadiene	225	11.357	11.357	(1.139)	944311	200.000	220(A)
	116 Naphthalene	128	11.621	11.621	(1.165)	3883068	200.000	200
	117 1,2,3-Trichlorobenzene	180	11.768	11.768	(1.180)	1487130	200.000	190

Data File: /chem/VOAMS4.i/8260_09/05-03-12/03may12.b/d20304.d
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Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
M 120 1,2-Dichloroethene (Total)	100				2128298	400.000	380
M 121 Xylene (Total)	100				5652394	600.000	600

QC Flag Legend

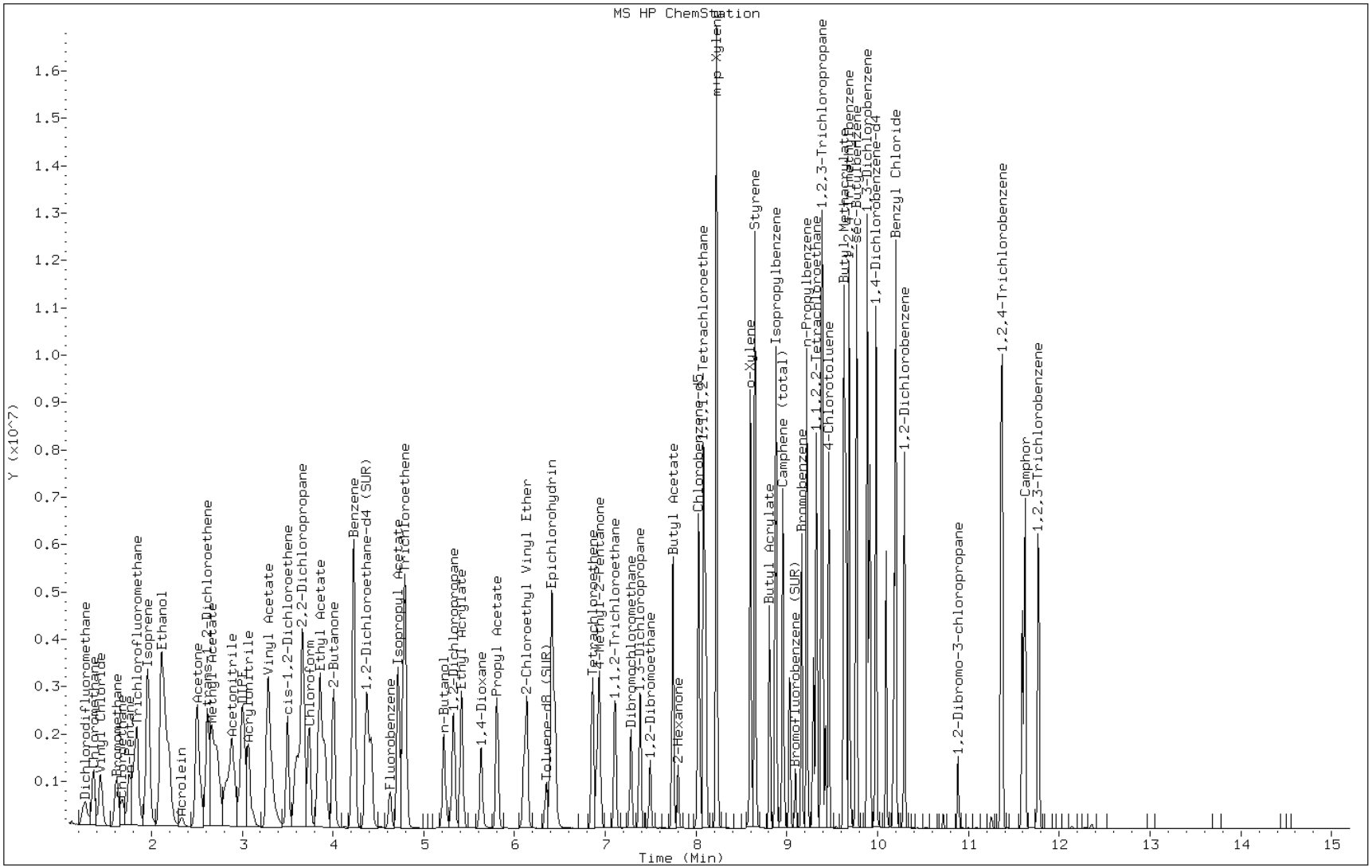
A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: d20304.d

Date: 03-MAY-2012 05:21

Client ID: Instrument: VOAMS4.i

Sample Info: IC-VM8CAL5 Operator: VOA GC/MS4



Data File: /chem/VOAMS4.i/8260_09/05-03-12/03may12.b/d20305.d
Report Date: 16-May-2012 10:42

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS4.i/8260_09/05-03-12/03may12.b/d20305.d
Lab Smp Id: IC-VM8CAL6
Inj Date : 03-MAY-2012 05:45
Operator : VOA GC/MS4 Inst ID: VOAMS4.i
Smp Info : IC-VM8CAL6
Misc Info :
Comment :
Method : /chem/VOAMS4.i/8260_09/05-03-12/03may12.b/8260_09.m
Meth Date : 16-May-2012 10:42 vibha Quant Type: ISTD
Cal Date : 03-MAY-2012 05:45 Cal File: d20305.d
Als bottle: 13 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
2 Dichlorodifluoromethane	85	1.263	1.269	(0.273)	3609752	500.000	540(A)
3 Chloromethane	50	1.369	1.357	(0.296)	4723199	500.000	550(A)
4 Vinyl Chloride	62	1.440	1.434	(0.311)	5011759	500.000	500(A)
6 Bromomethane	94	1.622	1.610	(0.350)	2752919	500.000	500
5 Chloroethane	64	1.681	1.675	(0.363)	2168170	500.000	490
7 Trichlorofluoromethane	101	1.804	1.816	(0.390)	4459070	500.000	500(A)
8 n-Pentane	72	1.752	1.757	(0.378)	314827	500.000	500(A)
9 Ethanol	46	2.122	2.128	(0.459)	359692	6000.00	7100(A)
10 Isoprene	67	1.951	1.957	(0.422)	3971538	500.000	500(A)
11 Ethyl Ether	59	1.969	1.975	(0.426)	2527004	500.000	450
182 Dichlorofluoromethane	67	1.840	1.840	(0.398)	6192988	500.000	480
13 Acrolein	56	2.334	2.340	(0.504)	516718	400.000	410
15 1,1-Dichloroethene	96	2.104	2.104	(0.455)	2680311	500.000	480
14 Freon TF	101	2.157	2.163	(0.466)	2993297	500.000	500
16 Acetone	58	2.551	2.546	(0.551)	278900	500.000	500
17 Iodomethane	142	2.199	2.204	(0.475)	4851597	500.000	490

Data File: /chem/VOAMS4.i/8260_09/05-03-12/03may12.b/d20305.d
Report Date: 16-May-2012 10:42

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	18 Carbon Disulfide	76	2.122	2.122	(0.459)	10931973	500.000	510(A)
	19 Isopropanol	45	2.493	2.499	(0.539)	3172238	6000.00	6600(A)
	21 Acetonitrile	39	2.887	2.893	(0.624)	2426877	10000.0	10000(A)
	27 Methyl Acetate	43	2.640	2.646	(0.570)	6964142	500.000	480
	22 Methylene Chloride	84	2.504	2.504	(0.541)	3161576	500.000	520(A)
	24 TBA	59	2.834	2.834	(0.612)	7946282	10000.0	11000(A)
	25 trans-1,2-Dichloroethene	96	2.610	2.616	(0.564)	2731429	500.000	530(A)
	26 Acrylonitrile	53	3.116	3.122	(0.673)	496416	200.000	220
	28 MTBE	73	2.716	2.716	(0.587)	9109358	500.000	510(A)
	29 Hexane	56	2.663	2.669	(0.575)	2066276	500.000	520(A)
	30 1,1-Dichloroethane	63	3.069	3.069	(0.663)	5100592	500.000	540(A)
	31 Vinyl Acetate	43	3.281	3.287	(0.709)	6630661	500.000	530(A)
	32 DIPE	45	3.010	3.004	(0.650)	10273556	500.000	520(A)
	34 n-Propanol	42	3.351	3.351	(0.724)	289320	6000.00	6700(A)
	35 t-Butyl-ethyl-ether	87	3.287	3.287	(0.710)	3856854	500.000	540(A)
	37 2,2-Dichloropropane	77	3.598	3.598	(0.778)	4333343	500.000	500(A)
	36 cis-1,2-Dichloroethene	96	3.498	3.498	(0.756)	3061304	500.000	530(A)
	38 2-Butanone	72	4.010	4.016	(0.867)	519936	500.000	510(A)
	39 Ethyl Acetate	70	3.857	3.863	(0.833)	670536	1000.00	1000(A)
	40 Bromochloromethane	128	3.663	3.663	(0.792)	1544249	500.000	540(A)
	41 Tetrahydrofuran	42	3.863	3.863	(0.835)	1365754	500.000	510(A)
	42 Chloroform	83	3.740	3.740	(0.808)	5141104	500.000	530(A)
	43 1,1,1-Trichloroethane	97	3.910	3.910	(0.845)	4787233	500.000	540(A)
	44 Cyclohexane	56	3.669	3.663	(0.793)	5396855	500.000	550(A)
	45 Carbon Tetrachloride	117	3.845	3.845	(0.831)	4685400	500.000	590(A)
	46 1,1-Dichloropropene	75	4.004	4.010	(0.865)	3965928	500.000	530(A)
$	47 1,2-Dichloroethane-d4 (SUR)	65	4.363	4.363	(0.943)	311212	50.0000	56
	48 Benzene	78	4.228	4.234	(0.527)	11426374	500.000	490
	49 1,2-Dichloroethane	62	4.422	4.422	(0.956)	4104706	500.000	530(A)
	51 n-Heptane	57	4.222	4.222	(0.912)	1942139	500.000	550(A)
	50 t-Amyl-methyl-ether	73	4.375	4.375	(0.945)	9149276	500.000	550(A)
	61 Isopropyl Acetate	43	4.722	4.716	(1.020)	13067410	1000.00	1100(A)
*	52 Fluorobenzene	96	4.628	4.628	(1.000)	772421	50.0000	
	54 Trichloroethene	95	4.798	4.798	(1.037)	2990119	500.000	560(A)
	53 n-Butanol	41	5.234	5.228	(1.131)	407232	3000.00	3400(A)
	56 Methyl cyclohexane	83	4.787	4.781	(1.034)	5279664	500.000	570(A)
	55 Ethyl Acrylate	55	5.410	5.404	(1.169)	4002799	500.000	580(A)
	57 1,2-Dichloropropane	63	5.328	5.328	(1.151)	2873923	500.000	550(A)
	58 Dibromomethane	93	5.222	5.222	(1.128)	1942026	500.000	570(A)
	60 1,4-Dioxane	88	5.645	5.645	(1.220)	27648	300.000	300
	59 Methyl Methacrylate	100	5.634	5.634	(1.217)	778078	500.000	580(A)
	75 Propyl Acetate	43	5.810	5.804	(1.255)	9320918	1000.00	1200(A)
	68 Bromodichloromethane	83	5.422	5.416	(1.172)	4176678	500.000	610(A)
	62 2-Chloroethyl Vinyl Ether	63	6.104	6.098	(1.319)	1936178	500.000	570(A)
	63 Epichlorohydrin	57	6.451	6.445	(0.805)	7206010	10000.0	11000(A)
	67 cis-1,3-Dichloropropene	75	6.139	6.134	(0.766)	4766302	500.000	530(A)
	70 4-Methyl-2-Pentanone	43	6.916	6.910	(0.863)	3551976	500.000	520(A)

Data File: /chem/VOAMS4.i/8260_09/05-03-12/03may12.b/d20305.d
Report Date: 16-May-2012 10:42

							AMOUNTS	
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
$	65 Toluene-d8 (SUR)	98	6.351	6.351	(0.792)	768804	50.0000	49
	66 Toluene	91	6.416	6.410	(0.800)	12169331	500.000	500
	64 trans-1,3-Dichloropropene	75	6.939	6.934	(0.866)	4403155	500.000	560(A)
	69 1,1,2-Trichloroethane	83	7.110	7.104	(0.887)	2134948	500.000	510(A)
	71 Tetrachloroethene	166	6.863	6.857	(0.856)	2940681	500.000	520(A)
	72 1,3-Dichloropropane	76	7.386	7.381	(0.921)	4276788	500.000	520(A)
	73 2-Hexanone	43	7.804	7.798	(0.974)	2371540	500.000	520(A)
	74 Dibromochloromethane	129	7.281	7.281	(0.908)	3030449	500.000	590(A)
	76 Butyl Acetate	73	7.745	7.745	(0.966)	1693873	1000.00	1100(A)
	77 1,2-Dibromoethane	107	7.498	7.492	(0.935)	2599789	500.000	530(A)
*	78 Chlorobenzene-d5	117	8.016	8.016	(1.000)	586772	50.0000	
	79 Chlorobenzene	112	8.033	8.028	(1.002)	7749046	500.000	550(A)
	80 1,1,1,2-Tetrachloroethane	131	8.110	8.104	(1.012)	3231191	500.000	570(A)
	81 Ethylbenzene	106	8.086	8.081	(1.009)	4286361	500.000	550(A)
	82 m+p-Xylene	106	8.228	8.222	(1.026)	10679368	1000.00	1100(A)
	84 o-Xylene	106	8.604	8.598	(1.073)	5466766	500.000	540(A)
	85 Styrene	104	8.651	8.645	(1.079)	9341710	500.000	590(A)
	83 Butyl Acrylate	73	8.810	8.810	(1.099)	2364999	500.000	540(A)
	86 Bromoform	173	8.651	8.645	(1.079)	2409833	500.000	500
	88 Isopropylbenzene	105	8.875	8.875	(1.107)	13225925	500.000	500
$	89 Bromofluorobenzene (SUR)	174	9.092	9.092	(0.912)	280667	50.0000	52
	90 Camphene (total)	41	8.957	8.951	(1.117)	1425469	500.000	510(A)
	91 Bromobenzene	156	9.163	9.163	(0.919)	3482106	500.000	550(A)
	92 1,1,2,2-Tetrachloroethane	83	9.292	9.292	(0.932)	3743503	500.000	540(A)
	93 1,2,3-Trichloropropane	110	9.380	9.375	(0.940)	1095909	500.000	540(A)
	94 trans-1,4-Dichloro-2-butene	53	9.392	9.386	(0.942)	447969	500.000	510(A)
	95 n-Propylbenzene	91	9.216	9.216	(0.924)	13202542	500.000	430(A)
	96 2-Chlorotoluene	91	9.327	9.322	(0.935)	9989477	500.000	530(A)
	97 1,3,5-Trimethylbenzene	105	9.386	9.386	(0.941)	11825712	500.000	520(A)
	98 4-Chlorotoluene	91	9.463	9.457	(0.949)	10075546	500.000	540(A)
	99 Butyl Methacrylate	87	9.651	9.645	(0.968)	4569139	500.000	570(A)
	100 tert-Butylbenzene	119	9.627	9.627	(0.965)	10898527	500.000	570(A)
	101 1,2,4-Trimethylbenzene	105	9.686	9.686	(0.971)	11285008	500.000	490
	103 sec-Butylbenzene	105	9.763	9.763	(0.979)	13077584	500.000	450(A)
	105 1,3-Dichlorobenzene	146	9.916	9.910	(0.994)	6708926	500.000	550(A)
	107 p-Isopropyltoluene	119	9.886	9.880	(0.991)	11648024	500.000	480
*	108 1,4-Dichlorobenzene-d4	152	9.975	9.969	(1.000)	325815	50.0000	
	109 1,4-Dichlorobenzene	146	9.986	9.980	(1.001)	6734022	500.000	530(A)
	110 Benzyl Chloride	126	10.180	10.180	(1.021)	1443721	500.000	560(A)
	106 n-Butylbenzene	91	10.198	10.198	(1.022)	18390865	500.000	500(A)
	111 1,2-Dichlorobenzene	146	10.298	10.292	(1.032)	6625882	500.000	540(A)
	112 1,2-Dibromo-3-chloropropane	75	10.886	10.886	(1.091)	753687	500.000	590(A)
	113 Camphor	95	11.592	11.592	(1.162)	2718669	2500.00	3000(A)
	114 1,2,4-Trichlorobenzene	180	11.374	11.374	(1.140)	5249315	500.000	550(A)
	115 Hexachlorobutadiene	225	11.363	11.357	(1.139)	2810699	500.000	610(A)
	116 Naphthalene	128	11.621	11.621	(1.165)	10899562	500.000	510(A)
	117 1,2,3-Trichlorobenzene	180	11.774	11.768	(1.180)	4297272	500.000	520(A)

Data File: /chem/VOAMS4.i/8260_09/05-03-12/03may12.b/d20305.d
Report Date: 16-May-2012 10:42

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
M 120 1,2-Dichloroethene (Total)	100				5792733	1000.00	1100
M 121 Xylene (Total)	100				16146134	1500.00	1600

QC Flag Legend

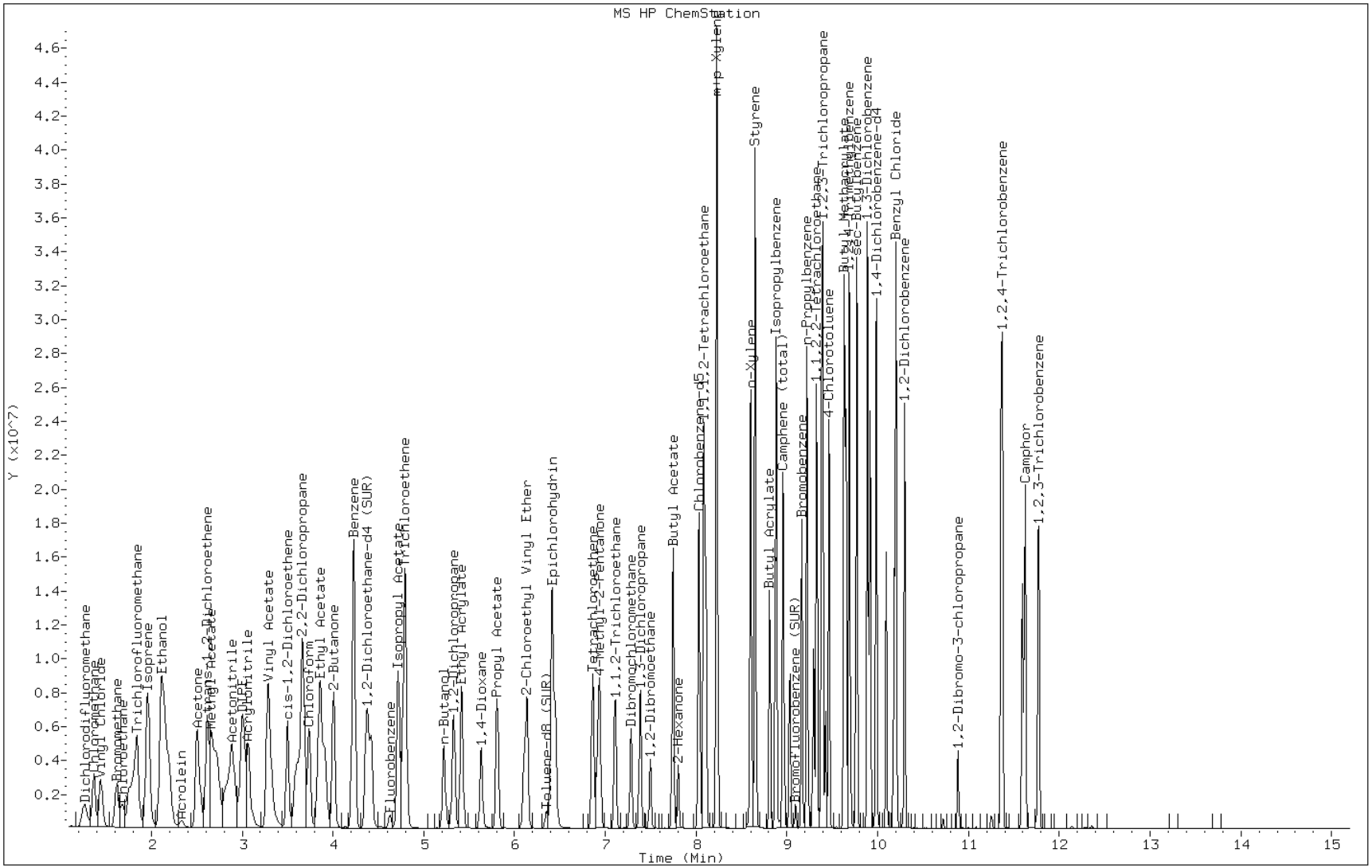
A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: d20305.d

Date: 03-MAY-2012 05:45

Client ID: Instrument: VOAMS4.i

Sample Info: IC-VM8CAL6 Operator: VOA GC/MS4



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Lab Sample ID: CCVIS 460-113081/2 Calibration Date: 05/18/2012 04:03

Instrument ID: VOAMS12 Calib Start Date: 05/03/2012 18:57

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 05/03/2012 21:02

Lab File ID: o60375.d Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.4055	0.4626		22.8	20.0	14.1	50.0
Chloromethane	Ave	0.4565	0.5325	0.1000	23.3	20.0	16.7	50.0
Vinyl chloride	Ave	0.4979	0.5670		22.8	20.0	13.9	20.0
Bromomethane	LinF	0.3141	0.2793		18.6	20.0	-7.1	50.0
Chloroethane	Ave	0.2689	0.3061		22.8	20.0	13.8	50.0
Trichlorofluoromethane	Ave	0.6894	0.7407		21.5	20.0	7.4	50.0
Ethyl ether	Ave	0.2649	0.3097		23.4	20.0	16.9	50.0
Isopropene	Ave	0.4960	0.6047		24.4	20.0	21.9	50.0
Acrolein	Ave	0.0529	0.0514		292	300	-2.8	99.0
1,1,2-Trichloro-1,2,2-trichfluoroethane	Ave	0.3912	0.4542		23.2	20.0	16.1	50.0
1,1-Dichloroethene	Ave	0.3415	0.3769		22.1	20.0	10.4	20.0
Acetone	LinF	0.1523	0.1127		27.8	20.0	38.9	50.0
Iodomethane	LinF	0.4914	0.5887		25.3	20.0	26.3	50.0
Carbon disulfide	Ave	1.198	1.315		22.0	20.0	9.8	50.0
Acetonitrile	LinF	0.0437	0.0485		508	400	27.0	50.0
Methyl acetate	Ave	0.0570	0.0669		23.5	20.0	17.4	50.0
Methylene Chloride	Ave	0.4081	0.4369		21.4	20.0	7.1	50.0
TBA	Ave	0.0331	0.0324		392	400	-2.0	50.0
Acrylonitrile	Ave	0.1202	0.1285		160	150	6.9	50.0
trans-1,2-Dichloroethene	Ave	0.4188	0.4573		21.8	20.0	9.2	50.0
MTBE	Ave	0.8494	0.9539		22.5	20.0	12.3	50.0
Hexane	LinF	0.3072	0.3597		26.5	20.0	32.3	50.0
1,1-Dichloroethane	Ave	0.7595	0.7676	0.1000	20.2	20.0	1.1	50.0
Vinyl acetate	Ave	0.9905	1.065		21.5	20.0	7.5	50.0
DIPE	Ave	1.084	1.188		21.9	20.0	9.5	50.0
Tert-butyl ethyl ether	Ave	0.9714	1.031	0.0100	21.2	20.0	6.2	50.0
2,2-Dichloropropane	Ave	0.5828	0.5728		19.7	20.0	-1.7	50.0
cis-1,2-Dichloroethene	Ave	0.4392	0.4190		19.1	20.0	-4.6	50.0
2-Butanone	LinF	0.0538	0.0341		18.1	20.0	-9.4	50.0
Ethyl acetate	LinF	0.0243	0.0267		37.6	40.0	-6.1	50.0
Bromochloromethane	Ave	0.1772	0.2052		23.2	20.0	15.8	50.0
Chloroform	Ave	0.6591	0.7290		22.1	20.0	10.6	20.0
1,1,1-Trichloroethane	Ave	0.5855	0.6024		20.6	20.0	2.9	50.0
Cyclohexane	Ave	0.6595	0.7278		22.1	20.0	10.4	50.0
1,1-Dichloropropene	Ave	0.5419	0.5984		22.1	20.0	10.4	50.0
Carbon tetrachloride	Ave	0.4930	0.5181		21.0	20.0	5.1	50.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2049	0.2404		58.7	50.0	17.3	50.0
Benzene	Ave	1.496	1.644		22.0	20.0	9.9	50.0
1,2-Dichloroethane	Ave	0.4200	0.4466		21.3	20.0	6.3	50.0
Isopropyl acetate	Ave	0.5503	0.5860		42.6	40.0	6.5	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Lab Sample ID: CCVIS 460-113081/2 Calibration Date: 05/18/2012 04:03

Instrument ID: VOAMS12 Calib Start Date: 05/03/2012 18:57

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 05/03/2012 21:02

Lab File ID: o60375.d Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Tert-amyl methyl ether	Ave	0.7424	0.7710		20.8	20.0	3.9	50.0
Trichloroethene	Ave	0.3651	0.4213		23.1	20.0	15.4	50.0
Methylcyclohexane	Ave	0.6442	0.7238		22.5	20.0	12.4	50.0
1,2-Dichloropropane	Ave	0.3488	0.3509		20.1	20.0	0.6	20.0
Dibromomethane	Ave	0.2022	0.1950		19.3	20.0	-3.6	50.0
1,4-Dioxane	Ave	0.0041	0.0039		143	150	-4.4	50.0
Methyl methacrylate	Ave	0.1682	0.1668		19.8	20.0	-0.8	50.0
Propyl acetate	Ave	0.3455	0.3527		40.8	40.0	2.1	50.0
Bromodichloromethane	Ave	0.4499	0.4503		20.0	20.0	0.0	50.0
2-Chloroethyl vinyl ether	Ave	0.1669	0.1681		20.1	20.0	0.7	50.0
Epichlorohydrin	Ave	0.0288	0.0292		405	400	1.3	50.0
cis-1,3-Dichloropropene	Ave	0.5252	0.5081		19.4	20.0	-3.2	50.0
4-Methyl-2-pentanone	LinF	0.3846	0.2242		16.4	20.0	-18.0	50.0
Toluene-d8 (Surr)	Ave	1.019	1.230		60.3	50.0	20.7	50.0
Toluene	Ave	2.077	2.207		21.3	20.0	6.3	20.0
trans-1,3-Dichloropropene	LinF	0.5871	0.5830		17.0	20.0	-14.9	50.0
1,1,2-Trichloroethane	Ave	0.2937	0.3077		21.0	20.0	4.8	50.0
Tetrachloroethene	Ave	0.5765	0.6054		21.0	20.0	5.0	50.0
1,3-Dichloropropane	Ave	0.6431	0.6747		21.0	20.0	4.9	50.0
2-Hexanone	LinF	0.3785	0.2273		17.9	20.0	-10.4	50.0
Dibromochloromethane	Ave	0.4286	0.4382		20.4	20.0	2.2	50.0
Butyl acetate	Ave	0.5178	0.5380		41.6	40.0	3.9	50.0
1,2-Dibromoethane	Ave	0.3590	0.3691		20.6	20.0	2.8	50.0
Chlorobenzene	Ave	1.409	1.375	0.3000	19.5	20.0	-2.4	50.0
1,1,1,2-Tetrachloroethane	Ave	0.4504	0.5108		22.7	20.0	13.4	50.0
Ethylbenzene	Ave	0.7588	0.8850		23.3	20.0	16.6	20.0
m&p-Xylene	Ave	0.9369	1.110		47.4	40.0	18.5	50.0
o-Xylene	Ave	0.8915	1.036		23.2	20.0	16.2	50.0
Styrene	Ave	1.494	1.754		23.5	20.0	17.4	50.0
Butyl acrylate	Ave	1.139	1.303		22.9	20.0	14.4	50.0
Bromoform	Ave	0.2909	0.3222	0.1000	22.2	20.0	10.8	50.0
Amly acetate	Ave	0.3695	0.4159		22.5	20.0	12.6	50.0
Isopropylbenzene	Ave	2.508	2.905		23.2	20.0	15.8	50.0
Bromofluorobenzene	Ave	0.6802	0.7705		56.6	50.0	13.3	50.0
Camphene, Total	Ave	0.3515	0.4092		23.3	20.0	16.4	50.0
Monobromobenzene	Ave	1.051	1.098		20.9	20.0	4.5	50.0
1,1,2,2-Tetrachloroethane	Ave	0.8542	0.9092	0.3000	21.3	20.0	6.4	50.0
1,2,3-Trichloropropane	Ave	0.2457	0.2685		21.9	20.0	9.3	50.0
trans-1,4-Dichloro-2-butene	Ave	0.1072	0.1152		21.5	20.0	7.5	50.0
N-Propylbenzene	Ave	5.226	5.764		22.1	20.0	10.3	50.0
2-Chlorotoluene	Ave	2.916	3.159		21.7	20.0	8.3	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Lab Sample ID: CCVIS 460-113081/2 Calibration Date: 05/18/2012 04:03

Instrument ID: VOAMS12 Calib Start Date: 05/03/2012 18:57

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 05/03/2012 21:02

Lab File ID: o60375.d Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Chlorotoluene	Ave	3.011	3.205		21.3	20.0	6.5	50.0
1,3,5-Trimethylbenzene	Ave	3.515	3.774		21.5	20.0	7.4	50.0
Butyl Methacrylate	LinF	1.048	1.111		18.0	20.0	-9.9	50.0
tert-Butylbenzene	Ave	3.250	3.515		21.6	20.0	8.1	50.0
1,2,4-Trimethylbenzene	Ave	3.652	3.817		20.9	20.0	4.5	50.0
sec-Butylbenzene	Ave	4.900	5.322		21.7	20.0	8.6	50.0
1,3-Dichlorobenzene	Ave	2.146	2.129		19.8	20.0	-0.8	50.0
1,4-Dichlorobenzene	Ave	2.138	2.028		19.0	20.0	-5.2	50.0
p-Isopropyltoluene	Ave	4.204	4.111		19.6	20.0	-2.2	50.0
Benzyl chloride	Ave	1.498	1.482		19.8	20.0	-1.1	50.0
1,2-Dichlorobenzene	Ave	1.993	1.860		18.7	20.0	-6.7	50.0
n-Butylbenzene	Ave	3.989	4.093		20.5	20.0	2.6	50.0
1,2-Dibromo-3-Chloropropane	LinF	0.1640	0.1474		17.3	20.0	-13.7	50.0
Camphor	LinF	0.0882	0.0708		67.5	100	-32.5	50.0
1,2,4-Trichlorobenzene	Ave	1.625	1.734		21.3	20.0	6.7	50.0
Hexachlorobutadiene	Ave	1.025	1.076		21.0	20.0	5.0	50.0
Naphthalene	Ave	3.043	3.118		20.5	20.0	2.5	50.0
1,2,3-Trichlorobenzene	Ave	1.466	1.367		18.7	20.0	-6.7	50.0

Data File: /chem/VOAMS12.i/8260L_10/05-03-12/18may12.b/o60375.d
Report Date: 18-May-2012 04:32

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS12.i/8260L_10/05-03-12/18may12.b/o60375.d
Lab Smp Id: CCVIS
Inj Date : 18-MAY-2012 04:03
Operator : VOAMS 9 Inst ID: VOAMS12.i
Smp Info : CCVIS
Misc Info :
Comment :
Method : /chem/VOAMS12.i/8260L_10/05-03-12/18may12.b/8260L_10.m
Meth Date : 18-May-2012 04:32 audberto Quant Type: ISTD
Cal Date : 03-MAY-2012 18:57 Cal File: o59879.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	5.00000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
M 14 1,2-Dichloroethene (total)	100				193746	40.0000	41
90 Dichlorodifluoromethane	85	0.866	0.866	(0.234)	102274	20.0000	23
1 Chloromethane	50	0.981	0.981	(0.265)	117738	20.0000	23
4 Vinyl Chloride	62	1.009	1.009	(0.273)	125355	20.0000	23
3 Bromomethane	94	1.167	1.167	(0.315)	61749	20.0000	18
5 Chloroethane	64	1.217	1.217	(0.329)	67678	20.0000	23
9 Trichlorofluoromethane	101	1.339	1.339	(0.362)	163769	20.0000	21
46 Ethyl Ether	59	1.496	1.496	(0.404)	68472	20.0000	23
119 Isoprene	67	1.503	1.503	(0.406)	133696	20.0000	24
47 Acrolein	56	1.568	1.568	(0.423)	170376	300.000	290
10 1,1-Dichloroethene	96	1.611	1.611	(0.435)	83328	20.0000	22
48 Freon TF	101	1.611	1.611	(0.435)	100418	20.0000	23
7 Acetone	43	1.654	1.654	(0.447)	24916	20.0000	28
142 Iodomethane	142	1.704	1.704	(0.460)	130165	20.0000	25

Data File: /chem/VOAMS12.i/8260L_10/05-03-12/18may12.b/o60375.d
Report Date: 18-May-2012 04:32

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
8	Carbon Disulfide	76	1.733	1.733	(0.468)	290768	20.0000	22
50	Acetonitrile	41	1.819	1.819	(0.491)	214225	400.000	510
125	Methyl acetate	74	1.840	1.840	(0.497)	14795	20.0000	23
6	Methylene Chloride	84	1.897	1.897	(0.512)	96604	20.0000	21
51	TBA	59	1.983	1.983	(0.536)	143232	400.000	390
52	Acrylonitrile	53	2.055	2.055	(0.555)	213055	150.000	160
12	trans-1,2-Dichloroethene	96	2.055	2.055	(0.555)	101101	20.0000	22
53	MTBE	73	2.062	2.062	(0.557)	210899	20.0000	22
54	Hexane	56	2.227	2.227	(0.601)	79535	20.0000	26
11	1,1-Dichloroethane	63	2.334	2.334	(0.630)	169704	20.0000	20
57	Vinyl Acetate	43	2.377	2.377	(0.642)	235366	20.0000	21
55	DIPE	45	2.385	2.385	(0.644)	262614	20.0000	22
149	tert-Butyl ethyl ether	59	2.642	2.642	(0.714)	228035	20.0000	21
157	Dichlorofluoromethane	67	1.317	1.317	(0.356)	182308	20.0000	25
104	2,2-Dichloropropane	77	2.743	2.743	(0.741)	126647	20.0000	20
13	cis-1,2-Dichloroethene	96	2.750	2.750	(0.743)	92644	20.0000	19
18	2-Butanone	72	2.771	2.771	(0.748)	7537	20.0000	18
56	Ethyl Acetate	70	2.829	2.829	(0.764)	11791	40.0000	38
108	Bromochloromethane	128	2.929	2.929	(0.791)	45370	20.0000	23
15	Chloroform	83	3.001	3.001	(0.810)	161172	20.0000	22
20	1,1,1-Trichloroethane	97	3.129	3.129	(0.845)	133194	20.0000	20
59	Cyclohexane	56	3.165	3.165	(0.855)	160913	20.0000	22
21	Carbon Tetrachloride	117	3.266	3.266	(0.882)	114537	20.0000	21
92	1,1-Dichloropropene	75	3.266	3.266	(0.882)	132302	20.0000	22
$ 16	1,2-Dichloroethane-d4 (SUR)	65	3.409	3.409	(0.921)	132877	50.0000	59
28	Benzene	78	3.445	3.445	(0.930)	363400	20.0000	22
17	1,2-Dichloroethane	62	3.473	3.473	(0.938)	98728	20.0000	21
61	Isopropyl Acetate	43	3.559	3.559	(0.961)	259124	40.0000	42
140	tert-Amylmethyl Ether	73	3.566	3.566	(0.963)	170466	20.0000	21
* 69	Fluorobenzene	96	3.703	3.703	(1.000)	552728	50.0000	
25	Trichloroethene	95	4.054	4.054	(1.095)	93141	20.0000	23
126	Methyl cyclohexane	83	4.225	4.225	(1.141)	160033	20.0000	22
23	1,2-Dichloropropane	63	4.283	4.283	(1.157)	77572	20.0000	20
109	Dibromomethane	93	4.397	4.397	(1.188)	43110	20.0000	19
95	1,4-Dioxane	88	4.447	4.447	(1.201)	6509	150.000	140
146	Methyl methacrylate	69	4.455	4.455	(1.203)	36886	20.0000	20
64	Propyl Acetate	43	4.533	4.533	(1.224)	155944	40.0000	41
22	Bromodichloromethane	83	4.584	4.584	(1.238)	99559	20.0000	20
30	2-Chloroethyl Vinyl Ether	63	4.963	4.963	(1.340)	37154	20.0000	20
118	Epichlorohydrin	57	5.013	5.013	(1.354)	128888	400.000	400
24	cis-1,3-Dichloropropene	75	5.092	5.092	(1.375)	112341	20.0000	19
33	4-Methyl-2-Pentanone	43	5.314	5.314	(1.435)	49563	20.0000	16
$ 37	Toluene-d8 (SUR)	98	5.386	5.386	(0.741)	472239	50.0000	60
38	Toluene	91	5.465	5.465	(0.752)	339000	20.0000	21
29	trans-1,3-Dichloropropene	75	5.787	5.787	(0.796)	89550	20.0000	17
27	1,1,2-Trichloroethane	83	6.009	6.009	(0.827)	47263	20.0000	21
35	Tetrachloroethene	166	6.131	6.131	(0.843)	92986	20.0000	21

Data File: /chem/VOAMS12.i/8260L_10/05-03-12/18may12.b/o60375.d
Report Date: 18-May-2012 04:32

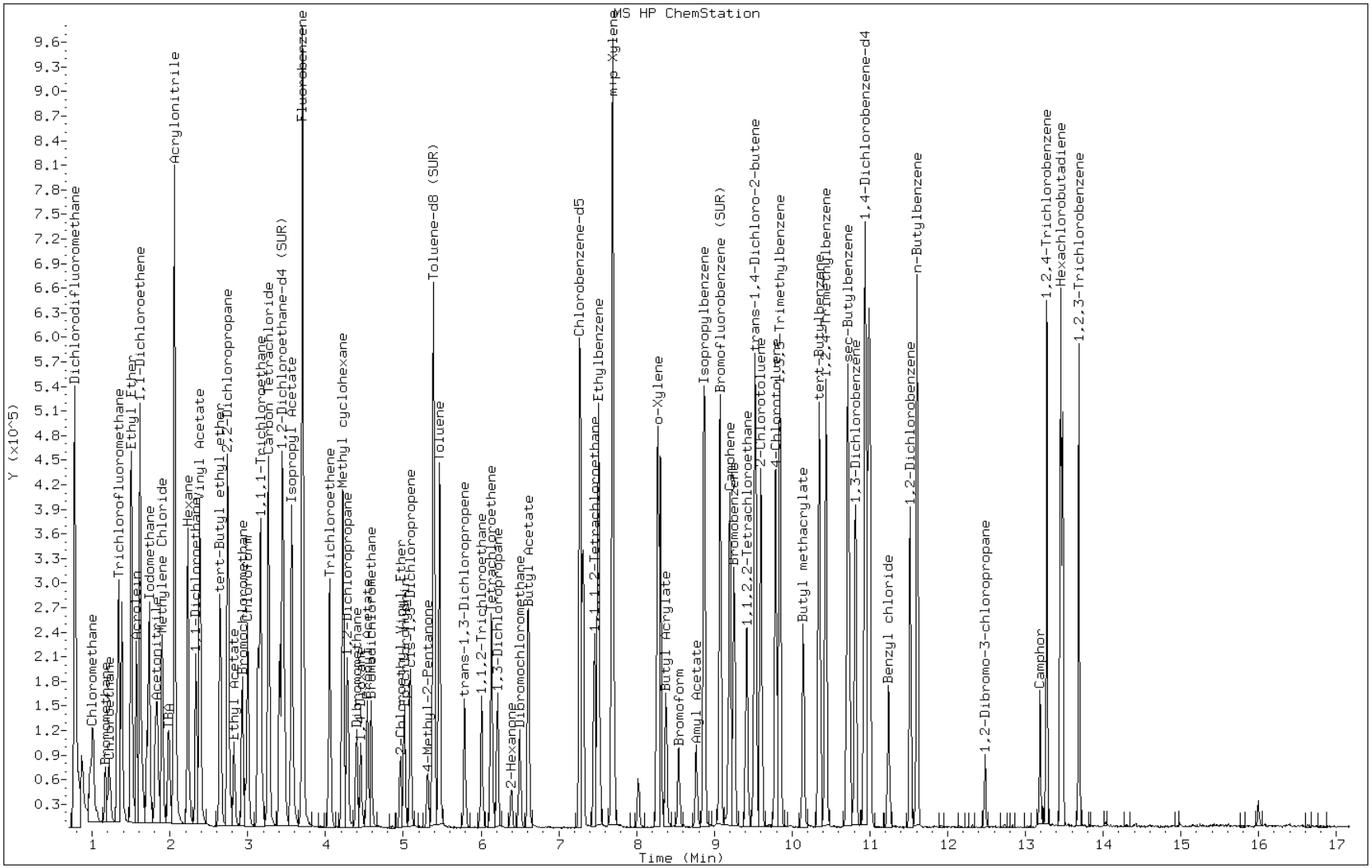
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	103 1,3-Dichloropropane	76	6.210	6.210	(0.854)	103635	20.0000	21
	34 2-Hexanone	43	6.389	6.389	(0.879)	34914	20.0000	18
	26 Dibromochloromethane	129	6.496	6.496	(0.894)	67309	20.0000	20
	65 Butyl Acetate	43	6.604	6.604	(0.908)	165269	40.0000	42
	66 1,2-Dibromoethane	107	6.611	6.611	(0.909)	56696	20.0000	20
*	32 Chlorobenzene-d5	117	7.270	7.270	(1.000)	384013	50.0000	
	39 Chlorobenzene	112	7.313	7.313	(1.006)	211200	20.0000	20
	97 1,1,1,2-Tetrachloroethane	131	7.456	7.456	(1.026)	78464	20.0000	23
	40 Ethylbenzene	106	7.513	7.513	(1.033)	135939	20.0000	23
	43 m+p-Xylene	106	7.692	7.692	(1.058)	341065	40.0000	47
	44 o-Xylene	106	8.273	8.273	(1.138)	159129	20.0000	23
	42 Styrene	104	8.308	8.308	(1.143)	269455	20.0000	23
	147 Butyl Acrylate	55	8.380	8.380	(0.766)	124397	20.0000	23
	31 Bromoform	173	8.545	8.545	(1.175)	49493	20.0000	22
	145 Amyl Acetate	43	8.767	8.767	(1.206)	63880	20.0000	22
	110 Isopropylbenzene	105	8.867	8.867	(1.220)	446153	20.0000	23
$	41 Bromofluorobenzene (SUR)	174	9.075	9.075	(0.830)	183935	50.0000	57
	150 Camphene	41	9.197	9.197	(0.841)	39070	20.0000	23
	107 Bromobenzene	156	9.254	9.254	(0.846)	104878	20.0000	21
	36 1,1,2,2-Tetrachloroethane	83	9.411	9.411	(0.860)	86812	20.0000	21
	99 1,2,3-Trichloropropane	110	9.419	9.419	(0.861)	25637	20.0000	22
	143 trans-1,4-Dichloro-2-butene	53	9.505	9.505	(2.567)	25463	20.0000	21
	112 n-Propylbenzene	91	9.526	9.526	(0.871)	550329	20.0000	22
	105 2-Chlorotoluene	91	9.598	9.598	(0.878)	301644	20.0000	22
	106 4-Chlorotoluene	91	9.784	9.784	(0.895)	306053	20.0000	21
	102 1,3,5-Trimethylbenzene	105	9.841	9.841	(0.900)	360377	20.0000	21
	148 Butyl methacrylate	69	10.142	10.142	(0.927)	106083	20.0000	18
	115 tert-Butylbenzene	119	10.350	10.350	(0.946)	335614	20.0000	22
	100 1,2,4-Trimethylbenzene	105	10.436	10.436	(0.954)	364443	20.0000	21
	114 sec-Butylbenzene	105	10.715	10.715	(0.980)	508200	20.0000	22
	67 1,3-Dichlorobenzene	146	10.815	10.815	(0.989)	203270	20.0000	20
*	91 1,4-Dichlorobenzene-d4	152	10.937	10.937	(1.000)	238709	50.0000	
	68 1,4-Dichlorobenzene	146	10.973	10.973	(1.003)	193593	20.0000	19
	113 p-Isopropyltoluene	119	11.002	11.002	(1.006)	392548	20.0000	20
	69 1,2-Dichlorobenzene	146	11.517	11.517	(1.053)	177616	20.0000	19
	117 Benzyl chloride	91	11.238	11.238	(1.028)	141468	20.0000	20
	111 n-Butylbenzene	91	11.603	11.603	(1.061)	390849	20.0000	20
	101 1,2-Dibromo-3-chloropropane	75	12.484	12.484	(1.141)	14075	20.0000	17
	152 Camphor	95	13.186	13.186	(1.206)	33775	100.000	67
	93 1,2,4-Trichlorobenzene	180	13.280	13.280	(1.214)	165562	20.0000	21
	94 Hexachlorobutadiene	225	13.451	13.451	(1.230)	102701	20.0000	21
	70 Naphthalene	128	13.480	13.480	(1.232)	297692	20.0000	20
	98 1,2,3-Trichlorobenzene	180	13.688	13.688	(1.251)	130538	20.0000	19
M	45 Xylene (Total)	100				500194	60.0000	71

Data File: o60375.d

Date: 18-MAY-2012 04:03

Client ID: Instrument: VOAMS12.i

Sample Info: CCVIS Operator: VOAMS 9



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Lab Sample ID: CCVIS 460-113082/2 Calibration Date: 05/18/2012 04:17

Instrument ID: VOAMS2 Calib Start Date: 04/24/2012 21:45

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 04/24/2012 23:35

Lab File ID: b42249.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	LinF	0.2153	0.2474		21.0	20.0	5.2	50.0
Chloromethane	Ave	0.2485	0.2500	0.1000	20.1	20.0	0.6	50.0
Vinyl chloride	Ave	0.2648	0.2594		19.6	20.0	-2.0	20.0
Bromomethane	Ave	0.1166	0.1310		22.5	20.0	12.4	50.0
Chloroethane	Ave	0.1000	0.1197		23.9	20.0	19.7	50.0
Trichlorofluoromethane	Ave	0.3360	0.3606		21.5	20.0	7.3	50.0
Ethanol	Ave	0.0013	0.0015		3360	3000	12.1	50.0
Ethyl ether	Ave	0.1736	0.1831		21.1	20.0	5.5	50.0
Isopropene	LinF	0.2297	0.2490		21.9	20.0	9.7	50.0
1,1,2-Trichloro-1,2,2-trichf luoroethane	LinF	0.1811	0.2044		20.5	20.0	2.4	50.0
Acrolein	Ave	0.0526	0.0387		29.5	40.0	-26.3	99.0
1,1-Dichloroethene	Ave	0.1859	0.1850		19.9	20.0	-0.5	20.0
Acetone	Ave	0.1026	0.1089		21.2	20.0	6.1	50.0
Iodomethane	Ave	0.4823	0.4772		19.8	20.0	-1.1	50.0
Carbon disulfide	Ave	0.6645	0.7069		21.3	20.0	6.4	50.0
Methyl acetate	Ave	0.2902	0.3056		21.1	20.0	5.3	50.0
Acetonitrile	Ave	0.0443	0.0468		422	400	5.4	50.0
Methylene Chloride	Ave	0.2814	0.2825		20.1	20.0	0.4	50.0
TBA	Ave	0.0333	0.0275		330	400	-17.6	50.0
MTBE	Ave	0.7740	0.6943		17.9	20.0	-10.3	50.0
trans-1,2-Dichloroethene	Ave	0.2425	0.2480		20.5	20.0	2.3	50.0
Acrylonitrile	Ave	0.1135	0.1222		21.5	20.0	7.7	50.0
Hexane	LinF	0.1594	0.1762		20.3	20.0	1.6	50.0
1,1-Dichloroethane	Ave	0.4551	0.4767	0.1000	21.0	20.0	4.8	50.0
DIPE	Ave	0.8595	0.7895		18.4	20.0	-8.1	50.0
Vinyl acetate	Ave	0.6364	0.5269		16.6	20.0	-17.2	50.0
Tert-butyl ethyl ether	Ave	0.8336	0.6773	0.0100	16.2	20.0	-18.8	50.0
2,2-Dichloropropane	Ave	0.3407	0.3566		20.9	20.0	4.7	50.0
cis-1,2-Dichloroethene	Ave	0.2871	0.2849		19.8	20.0	-0.8	50.0
2-Butanone	Ave	0.0368	0.0339		18.4	20.0	-8.0	50.0
Ethyl acetate	Ave	0.0312	0.0272		34.8	40.0	-12.9	50.0
Bromochloromethane	Ave	0.1583	0.1571		19.9	20.0	-0.7	50.0
Tetrahydrofuran	LinF	0.1146	0.0920		19.0	20.0	-5.1	50.0
Chloroform	Ave	0.4812	0.4877		20.3	20.0	1.3	20.0
Cyclohexane	LinF	0.3077	0.3215		17.8	20.0	-11.1	50.0
1,1,1-Trichloroethane	Ave	0.3677	0.3883		21.1	20.0	5.6	50.0
Carbon tetrachloride	LinF	0.3092	0.3444		18.5	20.0	-7.4	50.0
1,1-Dichloropropene	Ave	0.3420	0.3539		20.7	20.0	3.5	50.0
Benzene	Ave	1.337	1.341		20.1	20.0	0.3	50.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3217	0.3438		53.4	50.0	6.9	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Lab Sample ID: CCVIS 460-113082/2 Calibration Date: 05/18/2012 04:17

Instrument ID: VOAMS2 Calib Start Date: 04/24/2012 21:45

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 04/24/2012 23:35

Lab File ID: b42249.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Tert-amyl methyl ether	Ave	0.7208	0.5712		15.9	20.0	-20.7	50.0
1,2-Dichloroethane	Ave	0.3910	0.3943		20.2	20.0	0.8	50.0
Isopropyl acetate	Ave	0.6901	0.6223		36.1	40.0	-9.8	50.0
n-Heptane	LinF	0.1210	0.1229		17.8	20.0	-11.1	50.0
Trichloroethene	Ave	0.2600	0.2552		19.6	20.0	-1.8	50.0
n-Butanol	Ave	0.0074	0.0065		1310	1500	-12.5	50.0
Methylcyclohexane	LinF	0.2819	0.2873		17.4	20.0	-12.8	50.0
Ethyl acrylate	Ave	0.3712	0.3138		16.9	20.0	-15.5	50.0
1,2-Dichloropropane	Ave	0.2679	0.2734		20.4	20.0	2.1	20.0
Dibromomethane	Ave	0.2054	0.2002		19.5	20.0	-2.5	50.0
Methyl methacrylate	Ave	0.0679	0.0545		16.1	20.0	-19.7	50.0
1,4-Dioxane	QuaF	0.0037	0.0030		138	150	-7.7	50.0
Propyl acetate	Ave	0.4358	0.3959		36.3	40.0	-9.2	50.0
Bromodichloromethane	Ave	0.3479	0.3567		20.5	20.0	2.5	50.0
2-Chloroethyl vinyl ether	Ave	0.1853	0.1469		15.9	20.0	-20.7	50.0
Epichlorohydrin	Ave	0.0441	0.0394		358	400	-10.6	50.0
cis-1,3-Dichloropropene	Ave	0.5829	0.5820		20.0	20.0	-0.2	50.0
4-Methyl-2-pentanone	Ave	0.4237	0.3703		17.5	20.0	-12.6	50.0
Toluene-d8 (Surr)	Ave	1.174	1.253		53.3	50.0	6.7	50.0
Toluene	Ave	1.439	1.407		19.6	20.0	-2.2	20.0
trans-1,3-Dichloropropene	Ave	0.5257	0.4993		19.0	20.0	-5.0	50.0
1,1,2-Trichloroethane	Ave	0.3021	0.2981		19.7	20.0	-1.3	50.0
Tetrachloroethene	Ave	0.3511	0.3760		21.4	20.0	7.1	50.0
1,3-Dichloropropane	Ave	0.5718	0.5565		19.5	20.0	-2.7	50.0
2-Hexanone	LinF	0.2615	0.2178		14.5	20.0	-27.5	50.0
Dibromochloromethane	Ave	0.3729	0.3919		21.0	20.0	5.1	50.0
Butyl acetate	Ave	0.0967	0.0798		33.0	40.0	-17.5	50.0
1,2-Dibromoethane	Ave	0.3876	0.3773		19.5	20.0	-2.7	50.0
Chlorobenzene	Ave	0.9501	0.9428	0.3000	19.8	20.0	-0.8	50.0
Ethylbenzene	Ave	0.4512	0.4398		19.5	20.0	-2.5	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3397	0.3609		21.2	20.0	6.2	50.0
m&p-Xylene	Ave	0.5456	0.5581		40.9	40.0	2.3	50.0
o-Xylene	Ave	0.5469	0.5336		19.5	20.0	-2.4	50.0
Styrene	Ave	0.9124	0.9263		20.3	20.0	1.5	50.0
Bromoform	QuaF	0.2689	0.2696	0.1000	18.2	20.0	-9.2	50.0
Amly acetate	Ave	0.8574	0.6956		16.2	20.0	-18.9	50.0
Isopropylbenzene	Ave	1.326	1.383		20.9	20.0	4.3	50.0
Bromofluorobenzene	Ave	0.8022	0.8172		50.9	50.0	1.9	50.0
Monobromobenzene	Ave	0.8217	0.7886		19.2	20.0	-4.0	50.0
1,1,2,2-Tetrachloroethane	Ave	0.9807	0.8816	0.3000	18.0	20.0	-10.1	50.0
N-Propylbenzene	Ave	3.189	3.134		19.7	20.0	-1.7	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Lab Sample ID: CCVIS 460-113082/2 Calibration Date: 05/18/2012 04:17

Instrument ID: VOAMS2 Calib Start Date: 04/24/2012 21:45

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 04/24/2012 23:35

Lab File ID: b42249.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2,3-Trichloropropane	Ave	0.2725	0.2472		18.1	20.0	-9.3	50.0
trans-1,4-Dichloro-2-butene	Ave	0.2531	0.2197		17.4	20.0	-13.2	50.0
2-Chlorotoluene	Ave	1.984	1.946		19.6	20.0	-1.9	50.0
1,3,5-Trimethylbenzene	Ave	2.171	2.119		19.5	20.0	-2.4	50.0
4-Chlorotoluene	Ave	2.326	2.289		19.7	20.0	-1.6	50.0
tert-Butylbenzene	LinF	1.832	1.789		17.3	20.0	-13.7	50.0
1,2,4-Trimethylbenzene	Ave	2.260	2.229		19.7	20.0	-1.4	50.0
sec-Butylbenzene	LinF	2.699	2.845		18.7	20.0	-6.7	50.0
1,3-Dichlorobenzene	Ave	1.439	1.417		19.7	20.0	-1.5	50.0
p-Isopropyltoluene	LinF	2.229	2.248		17.9	20.0	-10.7	50.0
1,4-Dichlorobenzene	Ave	1.501	1.454		19.4	20.0	-3.1	50.0
Benzyl chloride	LinF	1.471	1.332		15.0	20.0	-25.0	50.0
n-Butylbenzene	LinF	2.118	2.118		17.4	20.0	-13.1	50.0
1,2-Dichlorobenzene	Ave	1.421	1.392		19.6	20.0	-2.0	50.0
1,2-Dibromo-3-Chloropropane	Ave	0.1676	0.1411		16.8	20.0	-15.8	50.0
1,2,4-Trichlorobenzene	Ave	0.9900	0.9025		18.2	20.0	-8.8	50.0
Hexachlorobutadiene	LinF	0.3775	0.4010		16.4	20.0	-17.8	50.0
Naphthalene	Ave	2.602	1.941		14.9	20.0	-25.4	50.0
1,2,3-Trichlorobenzene	Ave	0.9762	0.7763		15.9	20.0	-20.5	50.0

Data File: /chem/VOAMS2.i/8260_09/04-24-12/18may12.b/b42249.d
Report Date: 18-May-2012 04:40

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS2.i/8260_09/04-24-12/18may12.b/b42249.d
Lab Smp Id: CCVIS
Inj Date : 18-MAY-2012 04:17
Operator : VOA GC/MS2 Inst ID: VOAMS2.i
Smp Info : CCVIS
Misc Info :
Comment :
Method : /chem/VOAMS2.i/8260_09/04-24-12/18may12.b/8260_09.m
Meth Date : 18-May-2012 04:40 audberto Quant Type: ISTD
Cal Date : 24-APR-2012 23:35 Cal File: b41439.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * (Vt/Ws)/((100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (mL)
Ws	5.00000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
2 Dichlorodifluoromethane	85	1.127	1.127	(0.220)	58194	20.0000	21
3 Chloromethane	50	1.258	1.258	(0.246)	58818	20.0000	20
4 Vinyl Chloride	62	1.357	1.357	(0.265)	61033	20.0000	20
6 Bromomethane	94	1.612	1.612	(0.315)	30817	20.0000	22
5 Chloroethane	64	1.678	1.678	(0.328)	28170	20.0000	24
7 Trichlorofluoromethane	101	1.859	1.859	(0.363)	84827	20.0000	21
9 Ethanol	46	2.090	2.090	(0.408)	51287	3000.00	3400
11 Ethyl Ether	59	2.090	2.090	(0.408)	43077	20.0000	21
10 Isoprene	67	2.098	2.098	(0.410)	58589	20.0000	22
13 Acrolein	56	2.262	2.262	(0.442)	18229	40.0000	29
14 Freon TF	101	2.262	2.262	(0.442)	48088	20.0000	20
15 1,1-Dichloroethene	96	2.287	2.287	(0.447)	43533	20.0000	20
16 Acetone	43	2.394	2.394	(0.468)	25610	20.0000	21
17 Iodomethane	142	2.435	2.435	(0.476)	112270	20.0000	20

Data File: /chem/VOAMS2.i/8260_09/04-24-12/18may12.b/b42249.d
Report Date: 18-May-2012 04:40

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	18 Carbon Disulfide	76	2.452	2.452	(0.479)	166309	20.0000	21
	27 Methyl Acetate	43	2.641	2.641	(0.516)	71894	20.0000	21
	21 Acetonitrile	41	2.690	2.690	(0.526)	219958	400.000	420
	22 Methylene Chloride	84	2.748	2.748	(0.537)	66469	20.0000	20
	24 TBA	59	2.855	2.855	(0.558)	129243	400.000	330
	28 MTBE	73	2.929	2.929	(0.572)	163348	20.0000	18
	25 trans-1,2-Dichloroethene	96	2.937	2.937	(0.574)	58351	20.0000	20
	26 Acrylonitrile	53	3.028	3.028	(0.592)	28753	20.0000	22
	29 Hexane	43	3.102	3.102	(0.606)	41448	20.0000	20
	32 DIPE	45	3.357	3.357	(0.656)	185740	20.0000	18
	30 1,1-Dichloroethane	63	3.357	3.357	(0.656)	112162	20.0000	21
	31 Vinyl Acetate	43	3.406	3.406	(0.666)	123971	20.0000	16
	34 n-Propanol	42	3.505	3.505	(0.685)	64020	3000.00	3200
	35 t-Butyl-ethyl-ether	59	3.703	3.703	(0.723)	159339	20.0000	16
	37 2,2-Dichloropropane	77	3.892	3.892	(0.760)	83887	20.0000	21
	36 cis-1,2-Dichloroethene	96	3.925	3.925	(0.767)	67026	20.0000	20
	39 Ethyl Acetate	70	3.991	3.991	(0.780)	12792	40.0000	35
	38 2-Butanone	72	3.974	3.974	(0.776)	7963	20.0000	18
	40 Bromochloromethane	128	4.172	4.172	(0.815)	36966	20.0000	20
	41 Tetrahydrofuran	42	4.172	4.172	(0.815)	21641	20.0000	19
	42 Chloroform	83	4.254	4.254	(0.831)	114729	20.0000	20
	44 Cyclohexane	56	4.353	4.353	(0.850)	75649	20.0000	18
	43 1,1,1-Trichloroethane	97	4.386	4.386	(0.857)	91364	20.0000	21
	45 Carbon Tetrachloride	117	4.517	4.517	(0.883)	81034	20.0000	18
	46 1,1-Dichloropropene	75	4.559	4.559	(0.891)	83269	20.0000	21
	48 Benzene	78	4.772	4.772	(0.560)	224503	20.0000	20
$	47 1,2-Dichloroethane-d4 (SUR)	65	4.805	4.805	(0.939)	202224	50.0000	53
	61 Isopropyl Acetate	43	4.912	4.912	(0.960)	292834	40.0000	36
	50 t-Amyl-methyl-ether	73	4.888	4.888	(0.955)	134390	20.0000	16
	49 1,2-Dichloroethane	62	4.896	4.896	(0.957)	92766	20.0000	20
	51 n-Heptane	57	4.995	4.995	(0.976)	28917	20.0000	18
*	52 Fluorobenzene	96	5.118	5.118	(1.000)	588171	50.0000	
	53 n-Butanol	56	5.563	5.563	(1.087)	114914	1500.00	1300
	54 Trichloroethene	95	5.521	5.521	(1.079)	60047	20.0000	20
	55 Ethyl Acrylate	55	5.727	5.727	(1.119)	73837	20.0000	17
	56 Methyl cyclohexane	83	5.653	5.653	(1.105)	67586	20.0000	17
	57 1,2-Dichloropropane	63	5.859	5.859	(1.145)	64314	20.0000	20
	59 Methyl Methacrylate	100	6.007	6.007	(1.174)	12816	20.0000	16
	75 Propyl Acetate	43	6.089	6.089	(1.190)	186270	40.0000	36
	60 1,4-Dioxane	88	6.015	6.015	(1.175)	5222	150.000	140
	58 Dibromomethane	93	5.999	5.999	(1.172)	47111	20.0000	19
	68 Bromodichloromethane	83	6.204	6.204	(1.212)	83923	20.0000	20
	62 2-Chloroethyl Vinyl Ether	63	6.641	6.641	(1.297)	34566	20.0000	16
	63 Epichlorohydrin	57	6.739	6.739	(0.791)	131906	400.000	360
	67 cis-1,3-Dichloropropene	75	6.797	6.797	(0.797)	97414	20.0000	20
	70 4-Methyl-2-Pentanone	43	7.003	7.003	(0.821)	61970	20.0000	17
$	65 Toluene-d8 (SUR)	98	7.044	7.044	(0.826)	524325	50.0000	53

Data File: /chem/VOAMS2.i/8260_09/04-24-12/18may12.b/b42249.d
Report Date: 18-May-2012 04:40

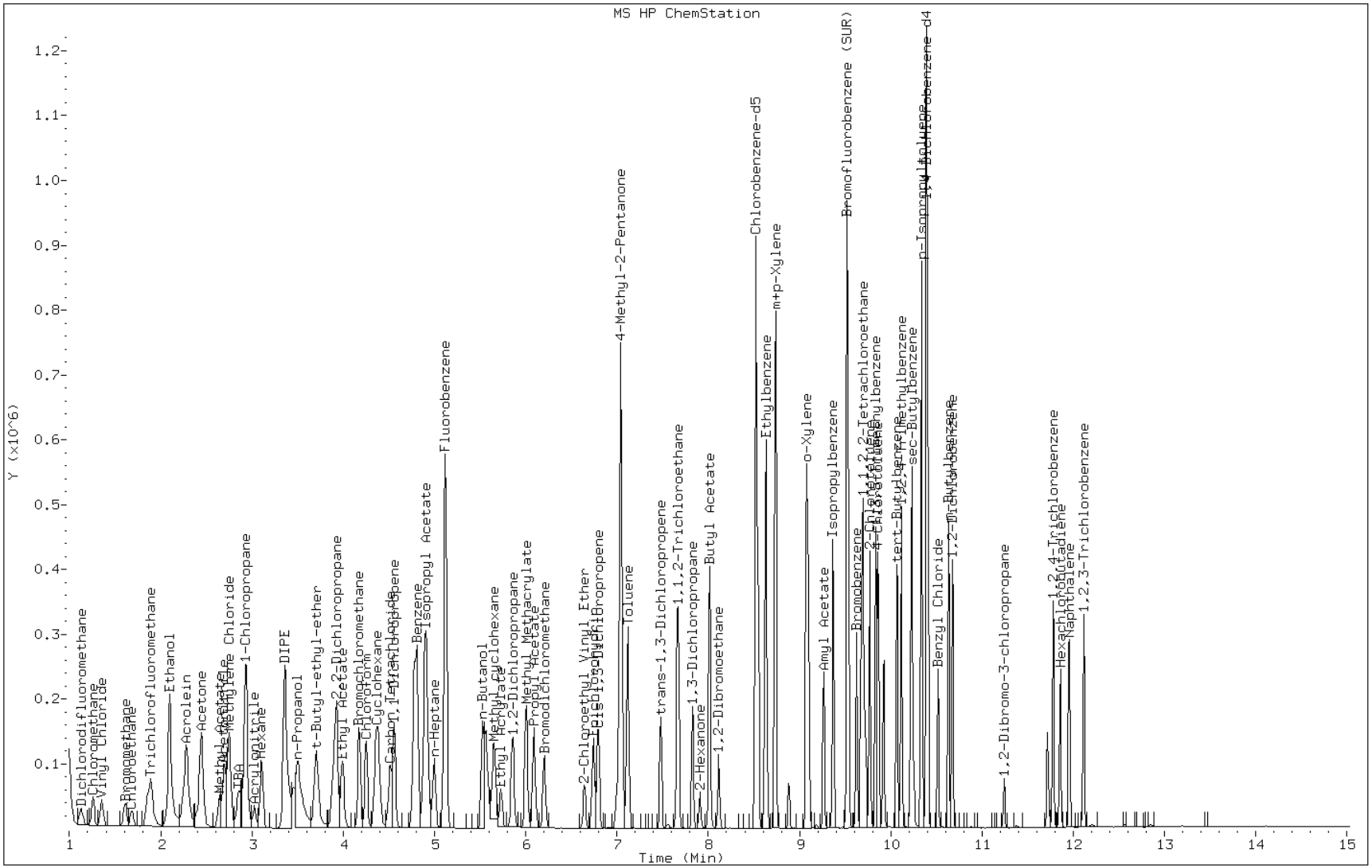
							AMOUNTS	
		QUANT SIG					CAL-AMT	ON-COL
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
	66 Toluene	91	7.118	7.118	(0.835)	235535	20.0000	20
	64 trans-1,3-Dichloropropene	75	7.480	7.480	(0.877)	83569	20.0000	19
	69 1,1,2-Trichloroethane	83	7.661	7.661	(0.899)	49899	20.0000	20
	71 Tetrachloroethene	166	7.669	7.669	(0.900)	62940	20.0000	21
	72 1,3-Dichloropropane	76	7.826	7.826	(0.918)	93142	20.0000	19
	73 2-Hexanone	43	7.908	7.908	(0.928)	36453	20.0000	14
	76 Butyl Acetate	73	8.015	8.015	(0.940)	26705	40.0000	33
	74 Dibromochloromethane	129	8.007	8.007	(0.939)	65599	20.0000	21
	77 1,2-Dibromoethane	107	8.114	8.114	(0.952)	63143	20.0000	19
*	78 Chlorobenzene-d5	117	8.525	8.525	(1.000)	418439	50.0000	
	79 Chlorobenzene	112	8.550	8.550	(1.003)	157805	20.0000	20
	81 Ethylbenzene	106	8.632	8.632	(1.013)	73607	20.0000	19
	80 1,1,1,2-Tetrachloroethane	131	8.640	8.640	(1.014)	60404	20.0000	21
	82 m+p-Xylene	106	8.739	8.739	(1.025)	186817	40.0000	41
	84 o-Xylene	106	9.077	9.077	(1.065)	89304	20.0000	20
	85 Styrene	104	9.101	9.101	(1.068)	155038	20.0000	20
	87 Amyl Acetate	43	9.266	9.266	(0.892)	62306	20.0000	16
	86 Bromoform	173	9.258	9.258	(1.086)	45120	20.0000	18
	88 Isopropylbenzene	105	9.365	9.365	(1.098)	231486	20.0000	21
$	89 Bromofluorobenzene (SUR)	174	9.521	9.521	(0.916)	182997	50.0000	51
	92 1,1,2,2-Tetrachloroethane	83	9.669	9.669	(0.930)	78961	20.0000	18
	91 Bromobenzene	156	9.628	9.628	(0.926)	70630	20.0000	19
	95 n-Propylbenzene	91	9.694	9.694	(0.933)	280678	20.0000	20
	94 trans-1,4-Dichloro-2-butene	53	9.727	9.727	(0.936)	19676	20.0000	17
	93 1,2,3-Trichloropropane	110	9.710	9.710	(0.934)	22141	20.0000	18
	96 2-Chlorotoluene	91	9.768	9.768	(0.940)	174270	20.0000	20
	97 1,3,5-Trimethylbenzene	105	9.834	9.834	(0.946)	189771	20.0000	20
	98 4-Chlorotoluene	91	9.858	9.858	(0.949)	205015	20.0000	20
	100 tert-Butylbenzene	119	10.064	10.064	(0.968)	160272	20.0000	17
	101 1,2,4-Trimethylbenzene	105	10.114	10.114	(0.973)	199630	20.0000	20
	103 sec-Butylbenzene	105	10.229	10.229	(0.984)	254784	20.0000	19
	107 p-Isopropyltoluene	119	10.336	10.336	(0.994)	201382	20.0000	18
	105 1,3-Dichlorobenzene	146	10.336	10.336	(0.994)	126964	20.0000	20
*	108 1,4-Dichlorobenzene-d4	152	10.393	10.393	(1.000)	223925	50.0000	
	109 1,4-Dichlorobenzene	146	10.410	10.410	(1.002)	130216	20.0000	19
	110 Benzyl Chloride	91	10.517	10.517	(1.012)	119264	20.0000	15
	106 n-Butylbenzene	91	10.632	10.632	(1.023)	189742	20.0000	17
	111 1,2-Dichlorobenzene	146	10.673	10.673	(1.027)	124722	20.0000	20
	112 1,2-Dibromo-3-chloropropane	75	11.241	11.241	(1.082)	12641	20.0000	17
	114 1,2,4-Trichlorobenzene	180	11.776	11.776	(1.133)	80836	20.0000	18
	115 Hexachlorobutadiene	225	11.858	11.858	(1.141)	35916	20.0000	16
	116 Naphthalene	128	11.957	11.957	(1.150)	173852	20.0000	15
	117 1,2,3-Trichlorobenzene	180	12.113	12.113	(1.165)	69537	20.0000	16
M	120 1,2-Dichloroethene (Total)	100				125378	40.0000	40
M	121 Xylene (Total)	100				276122	60.0000	60

Data File: b42249.d

Date: 18-MAY-2012 04:17

Client ID: Instrument: VOAMS2.i

Sample Info: CCVIS Operator: VOA GC/MS2



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Lab Sample ID: CCVIS 460-112972/2 Calibration Date: 05/17/2012 08:09

Instrument ID: VOAMS4 Calib Start Date: 05/03/2012 03:48

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 05/03/2012 05:45

Lab File ID: d20722.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.4367	0.4120		18.9	20.0	-5.7	50.0
Chloromethane	Ave	0.5552	0.5727	0.1000	20.6	20.0	3.2	50.0
Vinyl chloride	Ave	0.6457	0.5735		17.8	20.0	-11.2	20.0
Bromomethane	Ave	0.3574	0.3636		20.3	20.0	1.7	50.0
Chloroethane	Ave	0.2885	0.2960		20.5	20.0	2.6	50.0
n-Pentane	LinF	0.0501	0.0273		13.5	20.0	-32.7	50.0
Trichlorofluoromethane	Ave	0.5728	0.5693		19.9	20.0	-0.6	50.0
Isopropene	QuaF	0.5919	0.3471		14.1	20.0	-29.4	50.0
Ethyl ether	Ave	0.3646	0.3144		17.2	20.0	-13.8	50.0
1,1-Dichloroethene	Ave	0.3590	0.3063		17.1	20.0	-14.7	20.0
Ethanol	Ave	0.0033	0.0029		2660	3000	-11.2	50.0
Carbon disulfide	Ave	1.384	0.8790		12.7	20.0	-36.5	50.0
1,1,2-Trichloro-1,2,2-trichf luoroethane	Ave	0.3888	0.2342		12.0	20.0	-39.8	50.0
Iodomethane	Ave	0.6433	0.5678		17.7	20.0	-11.7	50.0
Acrolein	Ave	0.0823	0.0891		43.3	40.0	8.2	99.0
Methylene Chloride	Ave	0.3931	0.4306		21.9	20.0	9.5	50.0
Acetone	LinF	0.0534	0.0390		21.5	20.0	7.7	50.0
trans-1,2-Dichloroethene	Ave	0.3358	0.3329		19.8	20.0	-0.9	50.0
Methyl acetate	Ave	0.9483	0.6933		14.6	20.0	-26.9	50.0
Hexane	Ave	0.2592	0.1842		14.2	20.0	-28.9	50.0
MTBE	Ave	1.156	1.063		18.4	20.0	-8.1	50.0
TBA	Ave	0.0484	0.0379		313	400	-21.7	50.0
Acetonitrile	Ave	0.0149	0.0192		517	400	29.2	50.0
DIPE	Ave	1.273	1.210		19.0	20.0	-5.0	50.0
1,1-Dichloroethane	Ave	0.6147	0.6180	0.1000	20.1	20.0	0.5	50.0
Acrylonitrile	Ave	0.1462	0.1597		21.9	20.0	9.3	50.0
Vinyl acetate	Ave	0.8140	0.8135		20.0	20.0	-0.0	50.0
Tert-butyl ethyl ether	Ave	0.4582	0.4229	0.0100	18.5	20.0	-7.7	50.0
cis-1,2-Dichloroethene	Ave	0.3714	0.3790		20.4	20.0	2.0	50.0
2,2-Dichloropropane	Ave	0.5552	0.4912		17.7	20.0	-11.5	50.0
Bromochloromethane	Ave	0.1835	0.1942		21.2	20.0	5.8	50.0
Cyclohexane	Ave	0.6389	0.4086		12.8	20.0	-36.1	50.0
Chloroform	Ave	0.6235	0.6358		20.4	20.0	2.0	20.0
Carbon tetrachloride	Ave	0.5154	0.4810		18.7	20.0	-6.7	50.0
Ethyl acetate	LinF	0.0428	0.0378		35.4	40.0	-11.5	50.0
Tetrahydrofuran	LinF	0.1978	0.1726		19.8	20.0	-1.2	50.0
1,1,1-Trichloroethane	Ave	0.5687	0.5547		19.5	20.0	-2.5	50.0
1,1-Dichloropropene	Ave	0.4826	0.4676		19.4	20.0	-3.1	50.0
2-Butanone	LinF	0.0571	0.0602		18.1	20.0	-9.3	50.0
n-Heptane	Ave	0.2282	0.1163		10.2	20.0	-49.1	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Lab Sample ID: CCVIS 460-112972/2 Calibration Date: 05/17/2012 08:09

Instrument ID: VOAMS4 Calib Start Date: 05/03/2012 03:48

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 05/03/2012 05:45

Lab File ID: d20722.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzene	Ave	1.975	1.891		19.1	20.0	-4.3	50.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3573	0.3304		46.2	50.0	-7.5	50.0
Tert-amyl methyl ether	Ave	1.080	0.9084		16.8	20.0	-15.9	50.0
1,2-Dichloroethane	Ave	0.4970	0.4752		19.1	20.0	-4.4	50.0
Isopropyl acetate	Ave	0.7501	0.6360		33.9	40.0	-15.2	50.0
Methylcyclohexane	Ave	0.5982	0.3292		11.0	20.0	-45.0	50.0
Trichloroethene	Ave	0.3456	0.3201		18.5	20.0	-7.4	50.0
Dibromomethane	Ave	0.2213	0.2168		19.6	20.0	-2.0	50.0
n-Butanol	Ave	0.0076	0.0056		1090	1500	-27.1	50.0
1,2-Dichloropropane	Ave	0.3387	0.3327		19.6	20.0	-1.8	20.0
Ethyl acrylate	Ave	0.4459	0.3799		17.0	20.0	-14.8	50.0
Bromodichloromethane	Ave	0.4420	0.3859		17.5	20.0	-12.7	50.0
Methyl methacrylate	Ave	0.0863	0.0809		18.7	20.0	-6.3	50.0
1,4-Dioxane	QuaF	0.0045	0.0043		157	150	4.8	50.0
Propyl acetate	Ave	0.5187	0.4569		35.2	40.0	-11.9	50.0
2-Chloroethyl vinyl ether	Ave	0.2192	0.1981		18.1	20.0	-9.6	50.0
cis-1,3-Dichloropropene	Ave	0.7595	0.6091		16.0	20.0	-19.8	50.0
Toluene-d8 (Surr)	Ave	1.328	1.220		45.9	50.0	-8.1	50.0
Toluene	Ave	2.092	1.876		17.9	20.0	-10.3	20.0
Epichlorohydrin	Ave	0.0577	0.0495		343	400	-14.3	50.0
Tetrachloroethene	Ave	0.4780	0.4419		18.5	20.0	-7.6	50.0
4-Methyl-2-pentanone	Ave	0.5868	0.5141		17.5	20.0	-12.4	50.0
trans-1,3-Dichloropropene	Ave	0.6680	0.5178		15.5	20.0	-22.5	50.0
1,1,2-Trichloroethane	Ave	0.3578	0.3420		19.1	20.0	-4.4	50.0
Dibromochloromethane	Ave	0.4343	0.3692		17.0	20.0	-15.0	50.0
1,3-Dichloropropane	Ave	0.7068	0.6839		19.4	20.0	-3.2	50.0
1,2-Dibromoethane	Ave	0.4200	0.3948		18.8	20.0	-6.0	50.0
Butyl acetate	Ave	0.1357	0.1148		33.8	40.0	-15.4	50.0
2-Hexanone	Ave	0.3877	0.3746		19.3	20.0	-3.4	50.0
Chlorobenzene	Ave	1.196	1.157	0.3000	19.3	20.0	-3.3	50.0
Ethylbenzene	Ave	0.6660	0.6423		19.3	20.0	-3.6	20.0
1,1,1,2-Tetrachloroethane	Ave	0.4838	0.4381		18.1	20.0	-9.4	50.0
m&p-Xylene	Ave	0.8239	0.7768		37.7	40.0	-5.7	50.0
o-Xylene	Ave	0.8569	0.8164		19.1	20.0	-4.7	50.0
Bromoform	QuaF	0.3040	0.2355	0.1000	14.9	20.0	-25.4	50.0
Styrene	Ave	1.352	1.244		18.4	20.0	-8.0	50.0
Butyl acrylate	Ave	0.3764	0.3041		16.2	20.0	-19.2	50.0
Isopropylbenzene	Ave	2.269	2.188		19.3	20.0	-3.6	50.0
Camphene, Total	Ave	0.2397	0.1176		9.81	20.0	-50.9*	50.0
Bromofluorobenzene	Ave	0.8256	0.7846		47.5	50.0	-5.0	50.0
Monobromobenzene	Ave	0.9687	0.9397		19.4	20.0	-3.0	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Lab Sample ID: CCVIS 460-112972/2 Calibration Date: 05/17/2012 08:09

Instrument ID: VOAMS4 Calib Start Date: 05/03/2012 03:48

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 05/03/2012 05:45

Lab File ID: d20722.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Propylbenzene	Ave	4.676	4.507		19.3	20.0	-3.6	50.0
1,1,2,2-Tetrachloroethane	Ave	1.074	1.046	0.3000	19.5	20.0	-2.5	50.0
2-Chlorotoluene	Ave	2.877	2.735		19.0	20.0	-4.9	50.0
1,2,3-Trichloropropane	Ave	0.3137	0.3001		19.1	20.0	-4.3	50.0
1,3,5-Trimethylbenzene	Ave	3.499	3.240		18.5	20.0	-7.4	50.0
trans-1,4-Dichloro-2-butene	LinF	0.1310	0.1034		15.3	20.0	-23.6	50.0
4-Chlorotoluene	Ave	2.844	2.654		18.7	20.0	-6.7	50.0
tert-Butylbenzene	Ave	2.920	2.611		17.9	20.0	-10.6	50.0
Butyl Methacrylate	Ave	1.231	1.017		16.5	20.0	-17.4	50.0
1,2,4-Trimethylbenzene	Ave	3.517	3.324		18.9	20.0	-5.5	50.0
sec-Butylbenzene	Ave	4.450	4.191		18.8	20.0	-5.8	50.0
4-Isopropyltoluene	Ave	3.738	3.435		18.4	20.0	-8.1	50.0
1,3-Dichlorobenzene	Ave	1.873	1.751		18.7	20.0	-6.5	50.0
1,4-Dichlorobenzene	Ave	1.933	1.806		18.7	20.0	-6.5	50.0
Benzyl chloride	Ave	0.3942	0.2134		10.8	20.0	-45.9	50.0
n-Butylbenzene	Ave	5.641	4.518		16.0	20.0	-19.9	50.0
1,2-Dichlorobenzene	Ave	1.880	1.803		19.2	20.0	-4.1	50.0
1,2-Dibromo-3-Chloropropane	Ave	0.1962	0.1434		14.6	20.0	-26.9	50.0
Hexachlorobutadiene	Ave	0.7084	0.5888		16.6	20.0	-16.9	50.0
1,2,4-Trichlorobenzene	Ave	1.452	1.252		17.2	20.0	-13.8	50.0
Camphor	Ave	0.1367	0.0917		67.0	100	-33.0	50.0
Naphthalene	Ave	3.264	2.714		16.6	20.0	-16.8	50.0
1,2,3-Trichlorobenzene	Ave	1.279	1.086		17.0	20.0	-15.1	50.0

Data File: /chem/VOAMS4.i/8260_09/05-03-12/17may12.b/d20722.d
Report Date: 18-May-2012 12:35

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS4.i/8260_09/05-03-12/17may12.b/d20722.d
Lab Smp Id: CCVIS
Inj Date : 17-MAY-2012 08:09
Operator : VOA GC/MS4 Inst ID: VOAMS4.i
Smp Info : CCVIS
Misc Info :
Comment :
Method : /chem/VOAMS4.i/8260_09/05-03-12/17may12.b/8260_09.m
Meth Date : 17-May-2012 08:12 maryb Quant Type: ISTD
Cal Date : 03-MAY-2012 05:45 Cal File: d20305.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
2 Dichlorodifluoromethane	85	1.264	1.264	(0.274)	109506	20.0000	19
3 Chloromethane	50	1.353	1.353	(0.293)	152214	20.0000	21
4 Vinyl Chloride	62	1.423	1.423	(0.308)	152420	20.0000	18
6 Bromomethane	94	1.617	1.617	(0.350)	96636	20.0000	20
5 Chloroethane	64	1.670	1.670	(0.362)	78663	20.0000	20
7 Trichlorofluoromethane	101	1.800	1.800	(0.390)	151302	20.0000	20
8 n-Pentane	72	1.741	1.741	(0.377)	7262	20.0000	13
9 Ethanol	46	2.100	2.100	(0.455)	115351	3000.00	2700
10 Isoprene	67	1.947	1.947	(0.422)	92260	20.0000	14
11 Ethyl Ether	59	1.964	1.964	(0.425)	83547	20.0000	17
182 Dichlorofluoromethane	67	1.835	1.835	(0.397)	220293	20.0000	20
13 Acrolein	56	2.323	2.323	(0.503)	47348	40.0000	43
15 1,1-Dichloroethene	96	2.088	2.088	(0.452)	81400	20.0000	17
14 Freon TF	101	2.158	2.158	(0.467)	62253	20.0000	12
16 Acetone	58	2.535	2.535	(0.549)	10356	20.0000	22
17 Iodomethane	142	2.188	2.188	(0.474)	150907	20.0000	18

Data File: /chem/VOAMS4.i/8260_09/05-03-12/17may12.b/d20722.d
Report Date: 18-May-2012 12:35

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	18 Carbon Disulfide	76	2.105	2.105	(0.456)	233628	20.0000	13
	21 Acetonitrile	39	2.882	2.882	(0.624)	102265	400.000	520
	27 Methyl Acetate	43	2.629	2.629	(0.569)	184266	20.0000	15
	22 Methylene Chloride	84	2.494	2.494	(0.540)	114433	20.0000	22
	24 TBA	59	2.811	2.811	(0.609)	201349	400.000	310
	25 trans-1,2-Dichloroethene	96	2.600	2.600	(0.563)	88465	20.0000	20
	26 Acrylonitrile	53	3.105	3.105	(0.673)	42447	20.0000	22
	28 MTBE	73	2.705	2.705	(0.586)	282475	20.0000	18
	29 Hexane	56	2.652	2.652	(0.574)	48968	20.0000	14
	30 1,1-Dichloroethane	63	3.058	3.058	(0.662)	164255	20.0000	20
	31 Vinyl Acetate	43	3.270	3.270	(0.708)	216222	20.0000	20
	32 DIPE	45	2.988	2.988	(0.647)	321535	20.0000	19
	34 n-Propanol	42	3.341	3.341	(0.724)	101315	3000.00	2700
	35 t-Butyl-ethyl-ether	87	3.276	3.276	(0.710)	112404	20.0000	18
	37 2,2-Dichloropropane	77	3.588	3.588	(0.777)	130537	20.0000	18
	36 cis-1,2-Dichloroethene	96	3.488	3.488	(0.755)	100730	20.0000	20
	38 2-Butanone	72	3.999	3.999	(0.866)	16006	20.0000	18
	39 Ethyl Acetate	70	3.852	3.852	(0.834)	20098	40.0000	35
	40 Bromochloromethane	128	3.652	3.652	(0.791)	51612	20.0000	21
	41 Tetrahydrofuran	42	3.852	3.852	(0.834)	45877	20.0000	20
	42 Chloroform	83	3.723	3.723	(0.806)	168974	20.0000	20
	43 1,1,1-Trichloroethane	97	3.899	3.899	(0.845)	147439	20.0000	20
	44 Cyclohexane	56	3.658	3.658	(0.792)	108594	20.0000	13
	45 Carbon Tetrachloride	117	3.835	3.835	(0.831)	127836	20.0000	19
	46 1,1-Dichloropropene	75	3.994	3.994	(0.865)	124276	20.0000	19
$	47 1,2-Dichloroethane-d4 (SUR)	65	4.352	4.352	(0.943)	219576	50.0000	46
	48 Benzene	78	4.217	4.217	(0.526)	353675	20.0000	19
	49 1,2-Dichloroethane	62	4.411	4.411	(0.955)	126308	20.0000	19
	51 n-Heptane	57	4.211	4.211	(0.912)	30898	20.0000	10
	50 t-Amyl-methyl-ether	73	4.364	4.364	(0.945)	241430	20.0000	17
	61 Isopropyl Acetate	43	4.705	4.705	(1.019)	338045	40.0000	34
*	52 Fluorobenzene	96	4.617	4.617	(1.000)	664448	50.0000	
	54 Trichloroethene	95	4.788	4.788	(1.037)	85077	20.0000	18
	53 n-Butanol	41	5.217	5.217	(1.130)	110947	1500.00	1100
	56 Methyl cyclohexane	83	4.776	4.776	(1.034)	87490	20.0000	11
	55 Ethyl Acrylate	55	5.399	5.399	(1.169)	100978	20.0000	17
	57 1,2-Dichloropropane	63	5.317	5.317	(1.152)	88422	20.0000	20
	58 Dibromomethane	93	5.211	5.211	(1.129)	57626	20.0000	20
	60 1,4-Dioxane	88	5.635	5.635	(1.220)	8624	150.000	160
	59 Methyl Methacrylate	100	5.623	5.623	(1.218)	21497	20.0000	19
	75 Propyl Acetate	43	5.799	5.799	(1.256)	242877	40.0000	35
	68 Bromodichloromethane	83	5.411	5.411	(1.172)	102557	20.0000	17
	62 2-Chloroethyl Vinyl Ether	63	6.088	6.088	(1.318)	52641	20.0000	18
	63 Epichlorohydrin	57	6.435	6.435	(0.803)	185081	400.000	340
	67 cis-1,3-Dichloropropene	75	6.123	6.123	(0.764)	113927	20.0000	16
	70 4-Methyl-2-Pentanone	43	6.905	6.905	(0.862)	96155	20.0000	18
$	65 Toluene-d8 (SUR)	98	6.340	6.340	(0.791)	570623	50.0000	46

Data File: /chem/VOAMS4.i/8260_09/05-03-12/17may12.b/d20722.d
Report Date: 18-May-2012 12:35

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	66 Toluene	91	6.399	6.399	(0.799)	350842	20.0000	18
	64 trans-1,3-Dichloropropene	75	6.929	6.929	(0.865)	96850	20.0000	16
	69 1,1,2-Trichloroethane	83	7.099	7.099	(0.886)	63974	20.0000	19
	71 Tetrachloroethene	166	6.852	6.852	(0.855)	82654	20.0000	18
	72 1,3-Dichloropropane	76	7.376	7.376	(0.921)	127922	20.0000	19
	73 2-Hexanone	43	7.793	7.793	(0.973)	70066	20.0000	19
	74 Dibromochloromethane	129	7.276	7.276	(0.908)	69057	20.0000	17
	76 Butyl Acetate	73	7.740	7.740	(0.966)	42938	40.0000	34
	77 1,2-Dibromoethane	107	7.487	7.487	(0.935)	73856	20.0000	19
*	78 Chlorobenzene-d5	117	8.011	8.011	(1.000)	467637	50.0000	
	79 Chlorobenzene	112	8.023	8.023	(1.001)	216435	20.0000	19
	80 1,1,1,2-Tetrachloroethane	131	8.099	8.099	(1.011)	81953	20.0000	18
	81 Ethylbenzene	106	8.076	8.076	(1.008)	120142	20.0000	19
	82 m+p-Xylene	106	8.217	8.217	(1.026)	290616	40.0000	38
	84 o-Xylene	106	8.593	8.593	(1.073)	152702	20.0000	19
	85 Styrene	104	8.640	8.640	(1.079)	232679	20.0000	18
	83 Butyl Acrylate	73	8.805	8.805	(1.099)	56874	20.0000	16
	86 Bromoform	173	8.640	8.640	(1.079)	44051	20.0000	15
	88 Isopropylbenzene	105	8.870	8.870	(1.107)	409282	20.0000	19
$	89 Bromofluorobenzene (SUR)	174	9.087	9.087	(0.912)	206347	50.0000	48
	90 Camphene (total)	41	8.952	8.952	(1.117)	22002	20.0000	9.8
	91 Bromobenzene	156	9.158	9.158	(0.919)	98841	20.0000	19
	92 1,1,2,2-Tetrachloroethane	83	9.287	9.287	(0.932)	110073	20.0000	19
	93 1,2,3-Trichloropropane	110	9.370	9.370	(0.940)	31571	20.0000	19
	94 trans-1,4-Dichloro-2-butene	53	9.381	9.381	(0.941)	10876	20.0000	15
	95 n-Propylbenzene	91	9.217	9.217	(0.924)	474106	20.0000	19
	96 2-Chlorotoluene	91	9.323	9.323	(0.935)	287735	20.0000	19
	97 1,3,5-Trimethylbenzene	105	9.381	9.381	(0.941)	340784	20.0000	18
	98 4-Chlorotoluene	91	9.458	9.458	(0.949)	279212	20.0000	19
	99 Butyl Methacrylate	87	9.646	9.646	(0.968)	106980	20.0000	16
	100 tert-Butylbenzene	119	9.623	9.623	(0.965)	274652	20.0000	18
	101 1,2,4-Trimethylbenzene	105	9.681	9.681	(0.971)	349632	20.0000	19
	103 sec-Butylbenzene	105	9.764	9.764	(0.979)	440808	20.0000	19
	105 1,3-Dichlorobenzene	146	9.911	9.911	(0.994)	184159	20.0000	19
	107 p-Isopropyltoluene	119	9.881	9.881	(0.991)	361271	20.0000	18
*	108 1,4-Dichlorobenzene-d4	152	9.970	9.970	(1.000)	262968	50.0000	
	109 1,4-Dichlorobenzene	146	9.981	9.981	(1.001)	189996	20.0000	19
	110 Benzyl Chloride	126	10.176	10.176	(1.021)	22446	20.0000	11
	106 n-Butylbenzene	91	10.193	10.193	(1.022)	475257	20.0000	16
	111 1,2-Dichlorobenzene	146	10.293	10.293	(1.032)	189699	20.0000	19
	112 1,2-Dibromo-3-chloropropane	75	10.881	10.881	(1.091)	15083	20.0000	15
	113 Camphor	95	11.593	11.593	(1.163)	48206	100.000	67
	114 1,2,4-Trichlorobenzene	180	11.370	11.370	(1.140)	131687	20.0000	17
	115 Hexachlorobutadiene	225	11.358	11.358	(1.139)	61931	20.0000	17
	116 Naphthalene	128	11.617	11.617	(1.165)	285470	20.0000	17
	117 1,2,3-Trichlorobenzene	180	11.770	11.770	(1.181)	114277	20.0000	17
M	120 1,2-Dichloroethene (Total)	100				189195	40.0000	40

Data File: /chem/VOAMS4.i/8260_09/05-03-12/17may12.b/d20722.d
Report Date: 18-May-2012 12:35

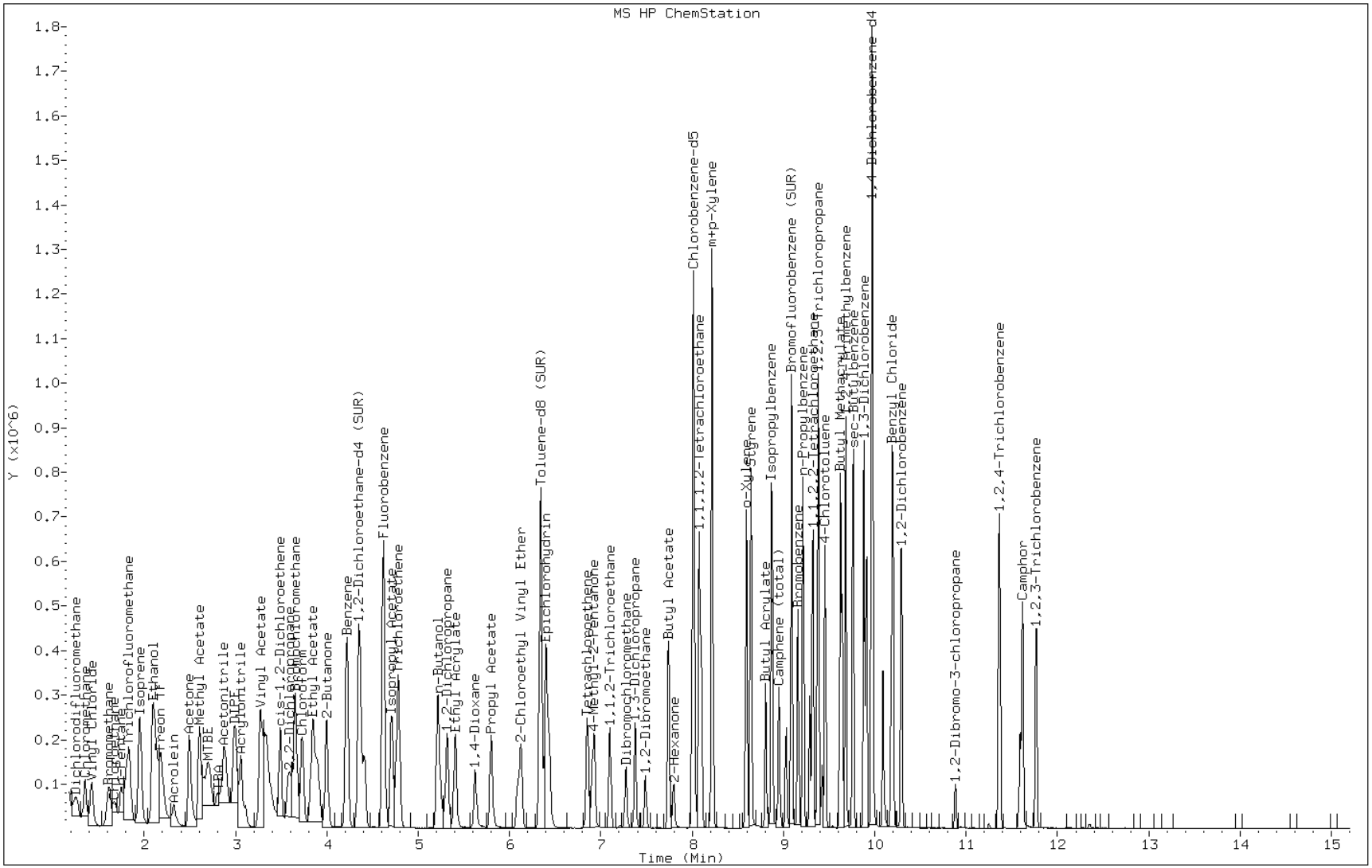
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
M 121 Xylene (Total)	100				443318	60.0000	57

Data File: d20722.d

Date: 17-MAY-2012 08:09

Client ID: Instrument: VOAMS4.i

Sample Info: CCVIS Operator: VOA GC/MS4



Data File: /chem/VOAMS12.i/8260L_10/05-03-12/03may12a.b/o59876.d
Report Date: 03-May-2012 17:59

TestAmerica

Data file : /chem/VOAMS12.i/8260L_10/05-03-12/03may12a.b/o59876.d
Lab Smp Id: BFB
Inj Date : 03-MAY-2012 17:30
Operator : VOAMS 1 Inst ID: VOAMS12.i
Smp Info : BFB
Misc Info :
Comment :
Method : /chem/VOAMS12.i/8260L_10/05-03-12/03may12a.b/VOABFB.m
Meth Date : 08-Sep-2011 08:03 desais Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: hpd2

Concentration Formula: Amt * DF * Uf * Vf * VI * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor
VI	1.00000	Injection Volume

Cpnd Variable Local Compound Variable

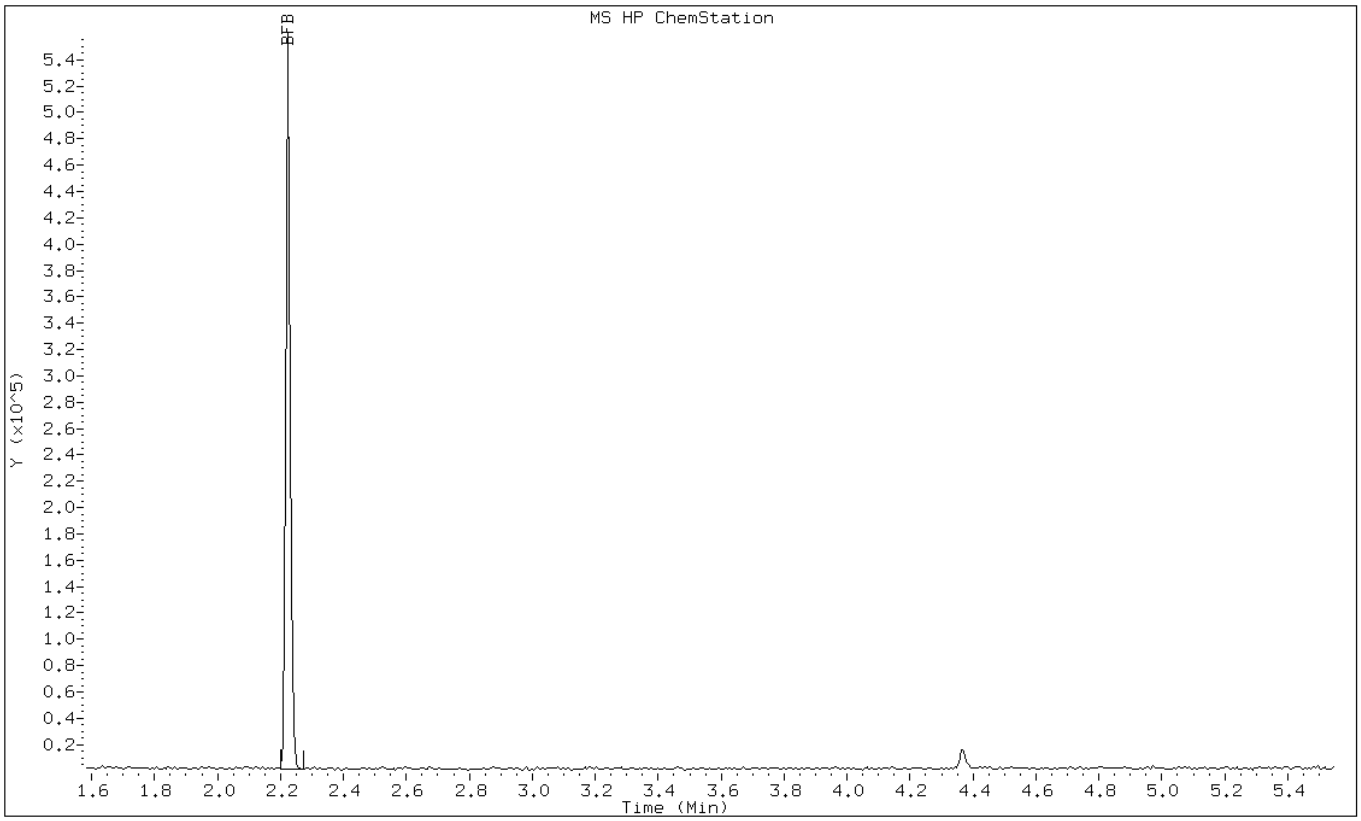
RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 BFB					CAS #: 460-00-4		
2.222	2.100 (0.000)	95	81901			0.00- 100.00	100.00
2.222	2.100 (0.000)	50	13965			15.00- 40.00	17.05
2.222	2.100 (0.000)	75	39909			30.00- 60.00	48.73
2.222	2.100 (0.000)	96	5750			5.00- 9.00	7.02
2.222	2.100 (0.000)	173	0			0.00- 2.00	0.00
2.222	2.100 (0.000)	174	72013			50.00- 100.00	87.93
2.222	2.100 (0.000)	175	5775			5.00- 9.00	8.02
2.222	2.100 (0.000)	176	69624			95.00- 101.00	96.68
2.222	2.100 (0.000)	177	5391			5.00- 9.00	7.74

Data File: o59876.d

Date: 03-MAY-2012 17:30

Client ID: Instrument: VOAMS12.i

Sample Info: BFB Operator: VOAMS 1



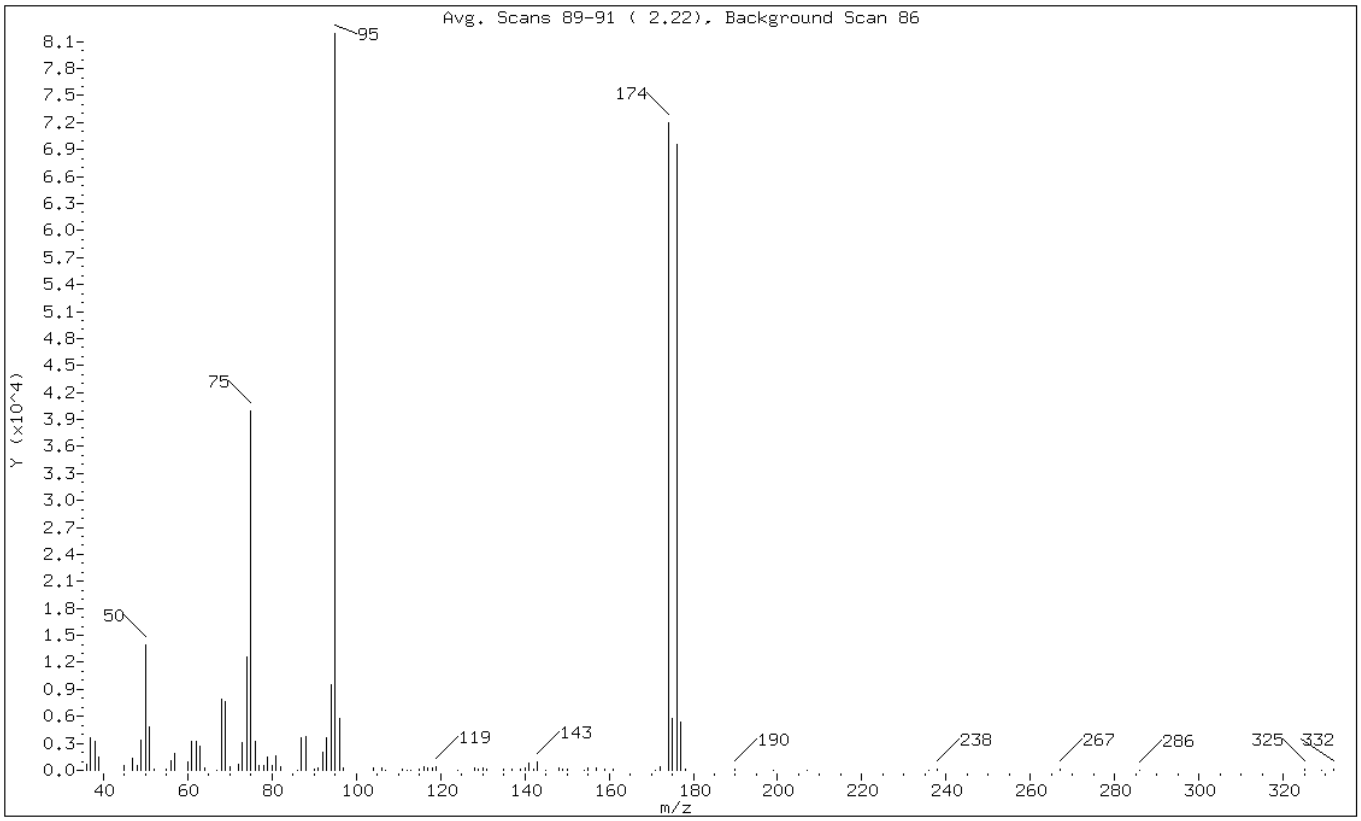
Data File: o59876.d

Date: 03-MAY-2012 17:30

Client ID: Instrument: VOAMS12.i

Sample Info: BFB Operator: VOAMS 1

1 BFB



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	17.05
75	30.00 - 60.00% of mass 95	48.73
96	5.00 - 9.00% of mass 95	7.02
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	87.93
175	5.00 - 9.00% of mass 174	7.05 (8.02)
176	95.00 - 101.00% of mass 174	85.01 (96.68)
177	5.00 - 9.00% of mass 176	6.58 (7.74)

Data File: o59876.d

Date: 03-MAY-2012 17:30

Client ID: Instrument: VOAMS12.i

Sample Info: BFB Operator: VOAMS 1

Data File: /chem/VOAMS12.i/8260L_10/05-03-12/03may12a.b/o59876.d
Spectrum: Avg. Scans 89-91 (2.22), Background Scan 86
Location of Maximum: 95.00
Number of points: 94

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	735	73.00	3078	111.00	195	154.00	51
37.00	3649	74.00	12610	112.00	58	155.00	268
38.00	3213	75.00	39904	113.00	64	157.00	266
39.00	1434	76.00	3257	115.00	102	159.00	125
45.00	544	77.00	522	116.00	400	161.00	142
47.00	1344	78.00	480	117.00	206	171.00	53
48.00	562	79.00	1475	118.00	286	172.00	351
49.00	3361	80.00	571	119.00	452	174.00	72008
50.00	13965	81.00	1669	124.00	53	175.00	5775
51.00	4827	82.00	352	128.00	248	176.00	69624
52.00	148	86.00	56	129.00	99	177.00	5391
55.00	154	87.00	3659	130.00	234	178.00	180
56.00	1091	88.00	3768	131.00	167	190.00	88
57.00	1907	90.00	149	135.00	91	199.00	59
60.00	877	91.00	314	137.00	161	207.00	62
61.00	3254	92.00	1975	139.00	69	236.00	51
62.00	3191	93.00	3577	140.00	276	238.00	74
63.00	2684	94.00	9502	141.00	815	267.00	68
64.00	277	95.00	81896	142.00	179	286.00	54
67.00	57	96.00	5750	143.00	884	325.00	141
68.00	7948	97.00	273	145.00	59	329.00	56
69.00	7701	104.00	291	148.00	303	332.00	74
70.00	418	106.00	246	149.00	76		
72.00	668	107.00	50	150.00	160		

Data File: /chem/VOAMS12.i/8260L_10/05-03-12/18may12.b/o60374.d
Report Date: 18-May-2012 03:54

TestAmerica

Data file : /chem/VOAMS12.i/8260L_10/05-03-12/18may12.b/o60374.d
Lab Smp Id: BFB
Inj Date : 18-MAY-2012 03:31
Operator : VOAMS 1 Inst ID: VOAMS12.i
Smp Info : BFB
Misc Info :
Comment :
Method : /chem/VOAMS12.i/8260L_10/05-03-12/18may12.b/VOABFB.m
Meth Date : 08-Sep-2011 08:03 desais Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: hpd2

Concentration Formula: Amt * DF * Uf * Vf * VI * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor
VI	1.00000	Injection Volume

Cpnd Variable Local Compound Variable

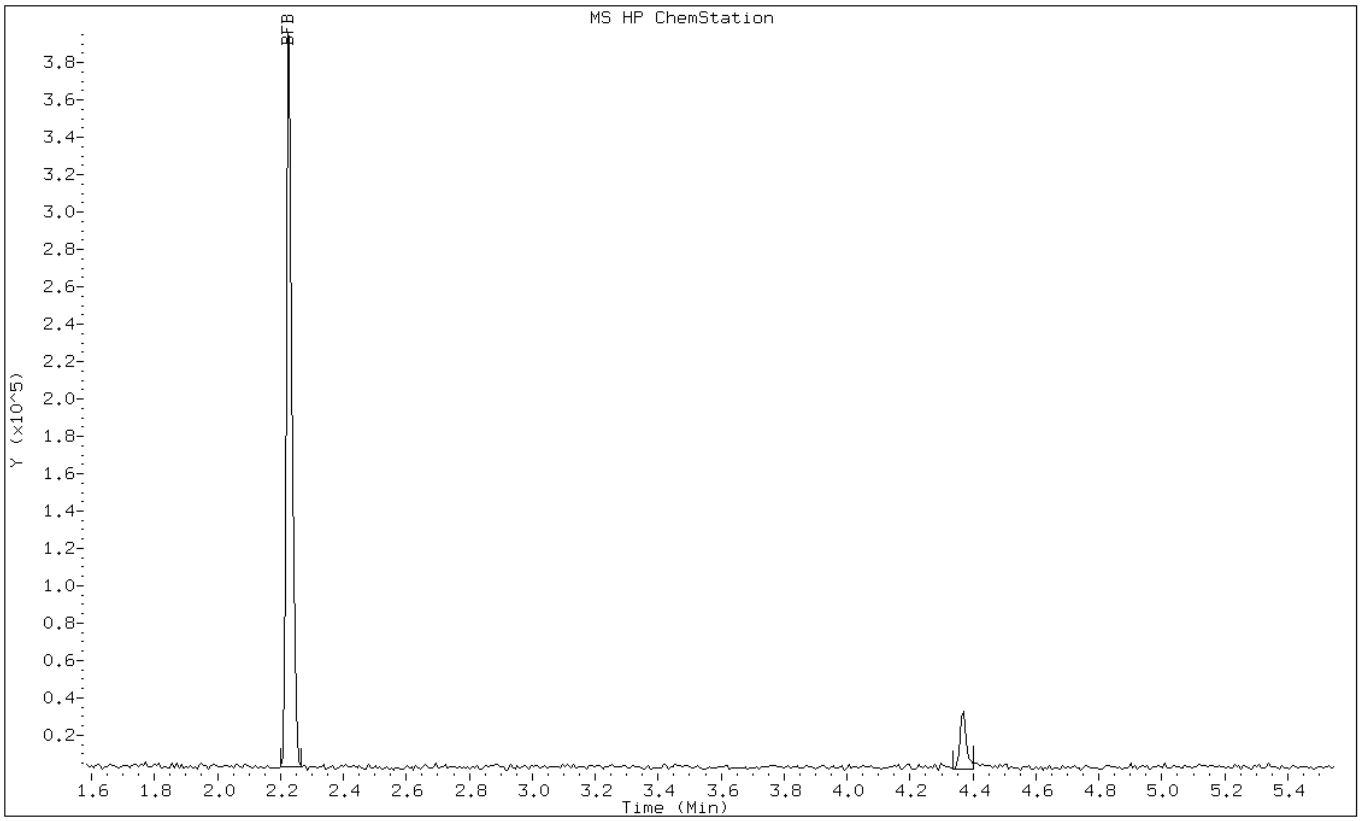
RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 BFB					CAS #: 460-00-4		
2.222	2.100 (0.000)	95	61200			0.00- 100.00	100.00
2.222	2.100 (0.000)	50	10352			15.00- 40.00	16.92
2.222	2.100 (0.000)	75	29376			30.00- 60.00	48.00
2.222	2.100 (0.000)	96	3905			5.00- 9.00	6.38
2.222	2.100 (0.000)	173	497			0.00- 2.00	0.95
2.222	2.100 (0.000)	174	52064			50.00- 100.00	85.07
2.222	2.100 (0.000)	175	4417			5.00- 9.00	8.48
2.222	2.100 (0.000)	176	50168			95.00- 101.00	96.36
2.222	2.100 (0.000)	177	3231			5.00- 9.00	6.44

Data File: o60374.d

Date: 18-MAY-2012 03:31

Client ID: Instrument: VOAMS12.i

Sample Info: BFB Operator: VOAMS 1



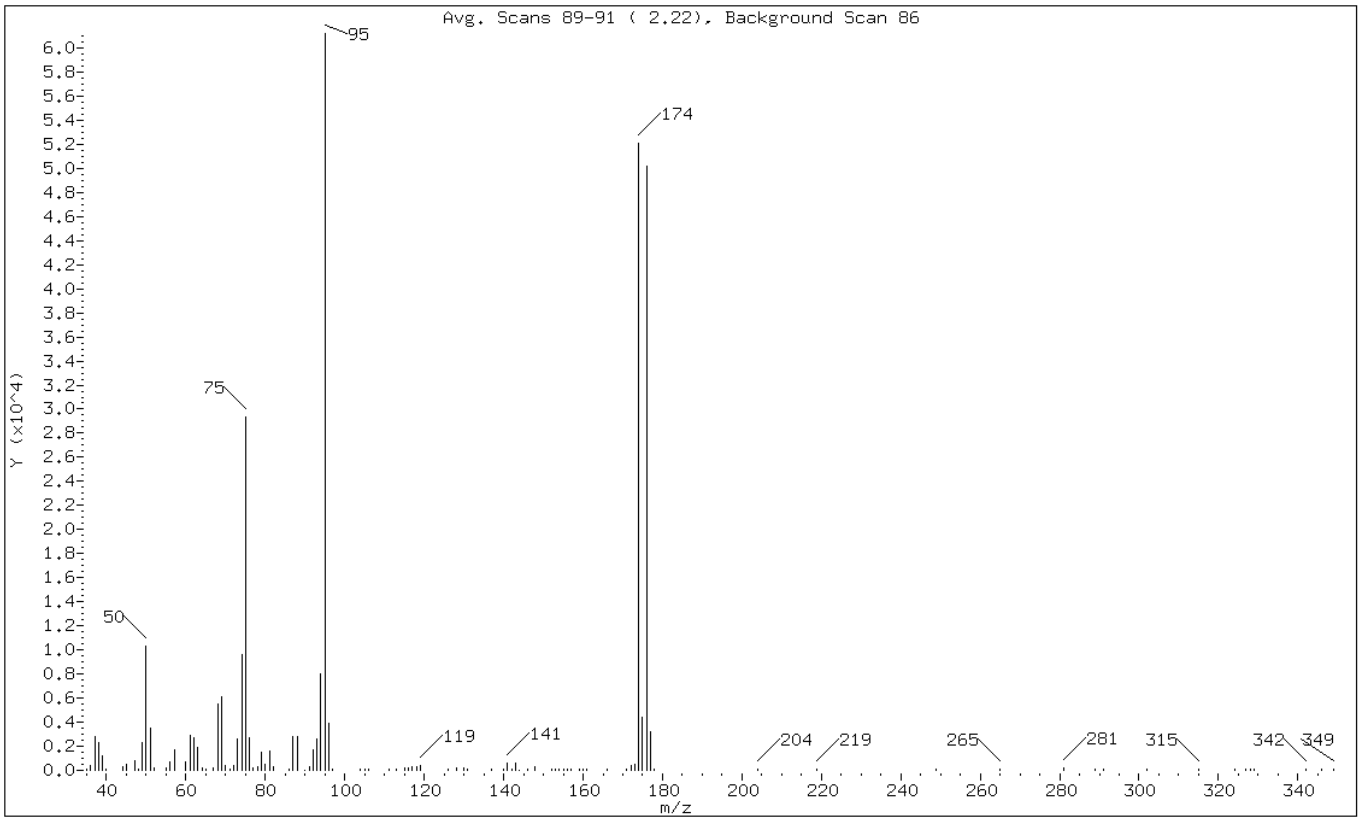
Data File: o60374.d

Date: 18-MAY-2012 03:31

Client ID: Instrument: VOAMS12.i

Sample Info: BFB Operator: VOAMS 1

1 BFB



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	16.92
75	30.00 - 60.00% of mass 95	48.00
96	5.00 - 9.00% of mass 95	6.38
173	Less than 2.00% of mass 174	0.81 (0.95)
174	50.00 - 100.00% of mass 95	85.07
175	5.00 - 9.00% of mass 174	7.22 (8.48)
176	95.00 - 101.00% of mass 174	81.97 (96.36)
177	5.00 - 9.00% of mass 176	5.28 (6.44)

Data File: o60374.d

Date: 18-MAY-2012 03:31

Client ID: Instrument: VOAMS12.i

Sample Info: BFB Operator: VOAMS 1

Data File: /chem/VOAMS12.i/8260L_10/05-03-12/18may12.b/o60374.d
Spectrum: Avg. Scans 89-91 (2.22), Background Scan 86
Location of Maximum: 95.00
Number of points: 106

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	57	71.00	55	113.00	116	166.00	61
36.00	431	72.00	448	115.00	216	171.00	56
37.00	2784	73.00	2592	116.00	197	172.00	395
38.00	2301	74.00	9621	117.00	289	173.00	497
39.00	1194	75.00	29376	118.00	259	174.00	52064
40.00	71	76.00	2751	119.00	355	175.00	4417
44.00	274	77.00	161	126.00	68	176.00	50168
45.00	471	78.00	263	128.00	152	177.00	3231
47.00	771	79.00	1459	130.00	167	178.00	83
48.00	112	80.00	477	131.00	130	204.00	110
49.00	2329	81.00	1562	137.00	76	219.00	57
50.00	10352	82.00	326	140.00	120	249.00	63
51.00	3457	86.00	106	141.00	640	265.00	121
52.00	152	87.00	2834	142.00	124	281.00	180
55.00	180	88.00	2819	143.00	635	289.00	51
56.00	747	90.00	50	144.00	50	291.00	65
57.00	1725	91.00	291	146.00	55	302.00	51
60.00	706	92.00	1694	148.00	257	315.00	84
61.00	2951	93.00	2597	152.00	55	324.00	58
62.00	2672	94.00	7994	153.00	55	327.00	59
63.00	1872	95.00	61200	154.00	57	328.00	51
64.00	178	96.00	3905	155.00	123	329.00	60
65.00	71	97.00	137	156.00	61	342.00	127
67.00	246	104.00	113	157.00	82	346.00	54
68.00	5522	105.00	73	159.00	63	349.00	52
69.00	6152	106.00	144	160.00	62		
70.00	442	111.00	73	161.00	65		

Data File: /chem/VOAMS2.i/8260_09/04-24-12/24apr12.b/b41430.d
Report Date: 24-Apr-2012 21:28

TestAmerica

Data file : /chem/VOAMS2.i/8260_09/04-24-12/24apr12.b/b41430.d
Lab Smp Id: BFB
Inj Date : 24-APR-2012 20:13
Operator : VOAMS 1 Inst ID: VOAMS2.i
Smp Info : BFB
Misc Info :
Comment :
Method : /chem/VOAMS2.i/8260_09/04-24-12/24apr12.b/VOABFB.m
Meth Date : 26-Feb-2012 20:57 ken Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: hpd2

Concentration Formula: Amt * DF * Uf * Vf * VI * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor
VI	1.00000	Injection Volume

Cpnd Variable Local Compound Variable

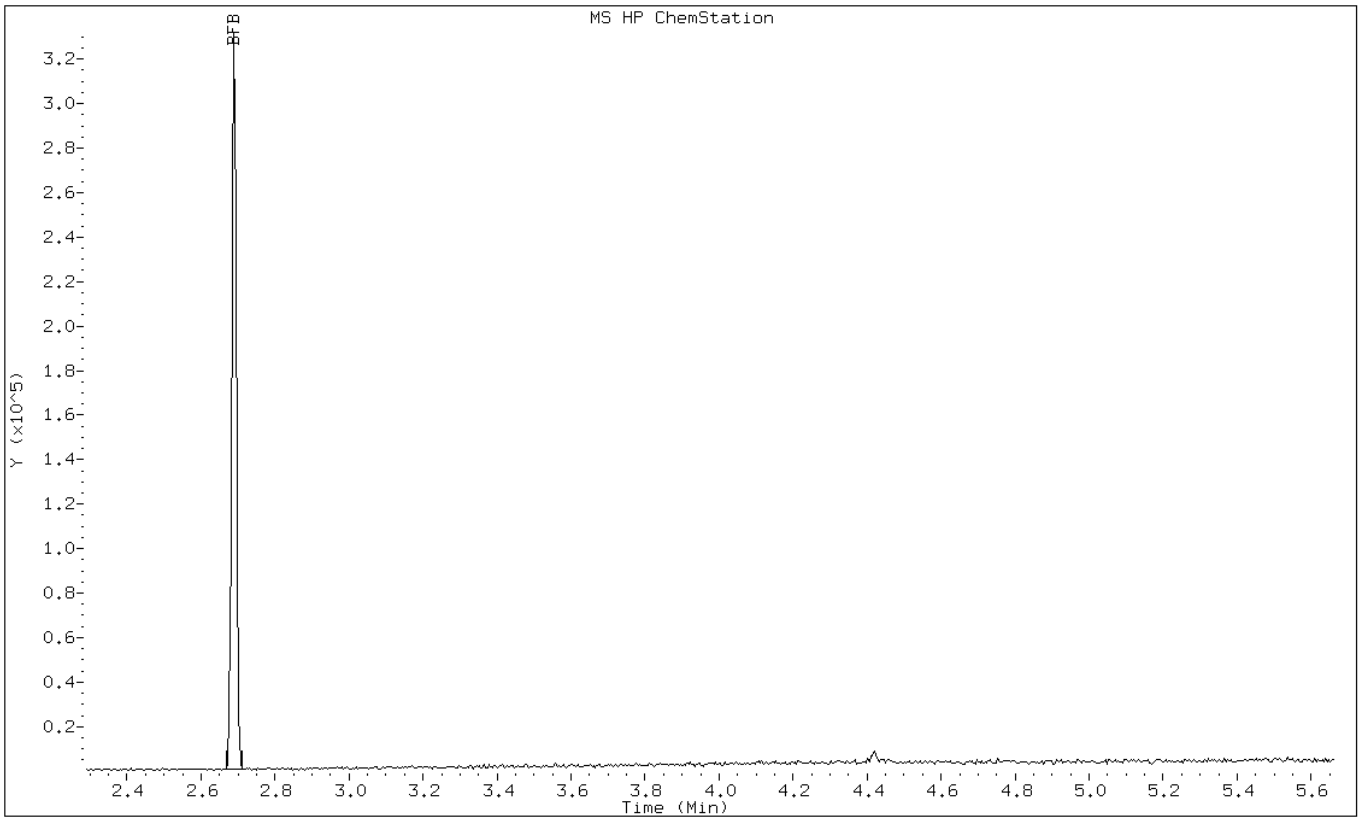
RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 BFB					CAS #: 460-00-4		
2.689	2.600 (0.000)	95	52778			0.00- 100.00	100.00
2.689	2.600 (0.000)	50	11962			15.00- 40.00	22.66
2.689	2.600 (0.000)	75	28520			30.00- 60.00	54.04
2.689	2.600 (0.000)	96	3757			5.00- 9.00	7.12
2.689	2.600 (0.000)	173	131			0.00- 2.00	0.30
2.689	2.600 (0.000)	174	44274			50.00- 100.00	83.89
2.689	2.600 (0.000)	175	3590			5.00- 9.00	8.11
2.689	2.600 (0.000)	176	42229			95.00- 101.00	95.38
2.689	2.600 (0.000)	177	2855			5.00- 9.00	6.76

Data File: b41430.d

Date: 24-APR-2012 20:13

Client ID: Instrument: VOAMS2.i

Sample Info: BFB Operator: VOAMS 1



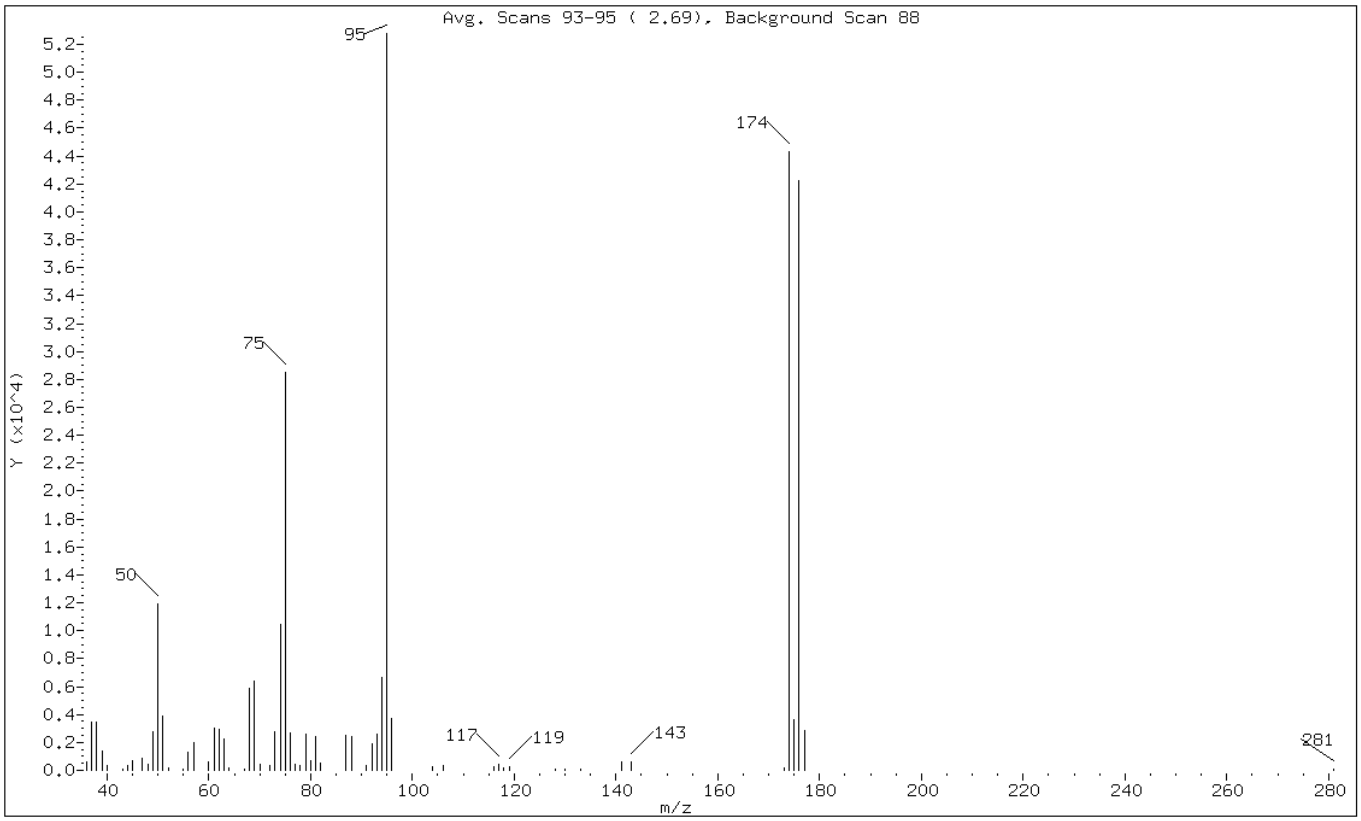
Data File: b41430.d

Date: 24-APR-2012 20:13

Client ID: Instrument: VOAMS2.i

Sample Info: BFB Operator: VOAMS 1

1 BFB



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	22.66
75	30.00 - 60.00% of mass 95	54.04
96	5.00 - 9.00% of mass 95	7.12
173	Less than 2.00% of mass 174	0.25 (0.30)
174	50.00 - 100.00% of mass 95	83.89
175	5.00 - 9.00% of mass 174	6.80 (8.11)
176	95.00 - 101.00% of mass 174	80.01 (95.38)
177	5.00 - 9.00% of mass 176	5.41 (6.76)

Data File: b41430.d

Date: 24-APR-2012 20:13

Client ID: Instrument: VOAMS2.i

Sample Info: BFB Operator: VOAMS 1

Data File: /chem/VOAMS2.i/8260_09/04-24-12/24apr12.b/b41430.d
Spectrum: Avg. Scans 93-95 (2.69), Background Scan 88
Location of Maximum: 95.00
Number of points: 62

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	642	57.00	2019	78.00	320	117.00	424
37.00	3426	60.00	581	79.00	2625	118.00	198
38.00	3432	61.00	3054	80.00	710	119.00	298
39.00	1343	62.00	2951	81.00	2442	128.00	86
40.00	308	63.00	2230	82.00	561	130.00	83
43.00	99	64.00	138	87.00	2538	133.00	67
44.00	379	67.00	71	88.00	2455	141.00	583
45.00	655	68.00	5913	91.00	327	143.00	628
47.00	860	69.00	6388	92.00	1943	173.00	131
48.00	402	70.00	460	93.00	2615	174.00	44272
49.00	2754	72.00	362	94.00	6664	175.00	3590
50.00	11962	73.00	2790	95.00	52776	176.00	42224
51.00	3885	74.00	10493	96.00	3757	177.00	2855
52.00	181	75.00	28520	104.00	272	281.00	69
55.00	67	76.00	2646	106.00	304		
56.00	1282	77.00	401	116.00	223		

Data File: /chem/VOAMS2.i/8260_09/04-24-12/18may12.b/b42248.d
Report Date: 18-May-2012 03:55

TestAmerica

Data file : /chem/VOAMS2.i/8260_09/04-24-12/18may12.b/b42248.d
Lab Smp Id: BFB
Inj Date : 18-MAY-2012 03:39
Operator : VOAMS 1 Inst ID: VOAMS2.i
Smp Info : BFB
Misc Info :
Comment :
Method : /chem/VOAMS2.i/8260_09/04-24-12/18may12.b/VOABFB.m
Meth Date : 26-Feb-2012 20:57 ken Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: hpd2

Concentration Formula: Amt * DF * Uf * Vf * VI * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor
VI	1.00000	Injection Volume

Cpnd Variable Local Compound Variable

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 BFB					CAS #: 460-00-4		
2.668	2.600 (0.000)	95	47048			0.00- 100.00	100.00
2.668	2.600 (0.000)	50	10254			15.00- 40.00	21.79
2.668	2.600 (0.000)	75	25408			30.00- 60.00	54.00
2.668	2.600 (0.000)	96	3729			5.00- 9.00	7.93
2.668	2.600 (0.000)	173	375			0.00- 2.00	1.02
2.668	2.600 (0.000)	174	36920			50.00- 100.00	78.47
2.668	2.600 (0.000)	175	2634			5.00- 9.00	7.13
2.668	2.600 (0.000)	176	36016			95.00- 101.00	97.55
2.668	2.600 (0.000)	177	2477			5.00- 9.00	6.88

Data File: b42248.d

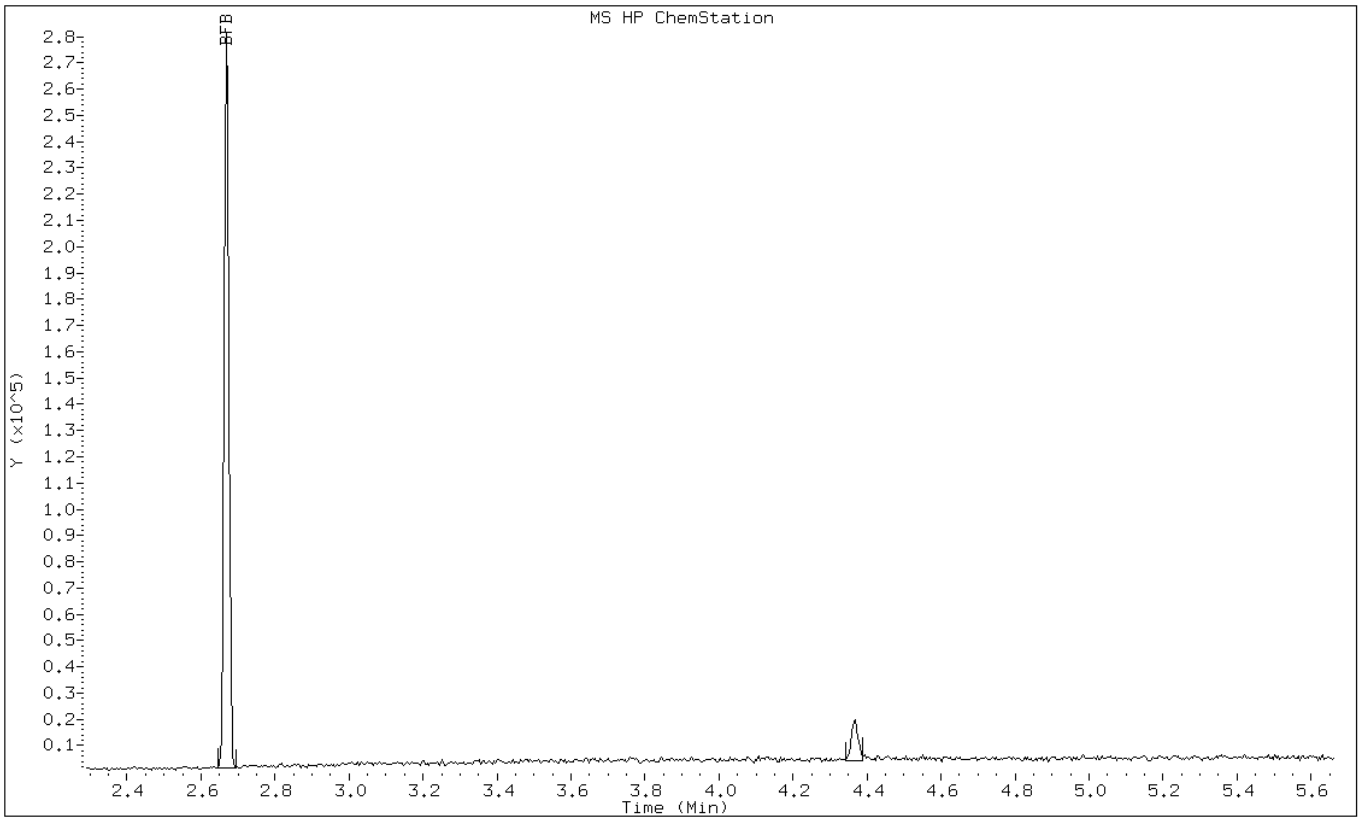
Date: 18-MAY-2012 03:39

Client ID:

Instrument: VOAMS2.i

Sample Info: BFB

Operator: VOAMS 1



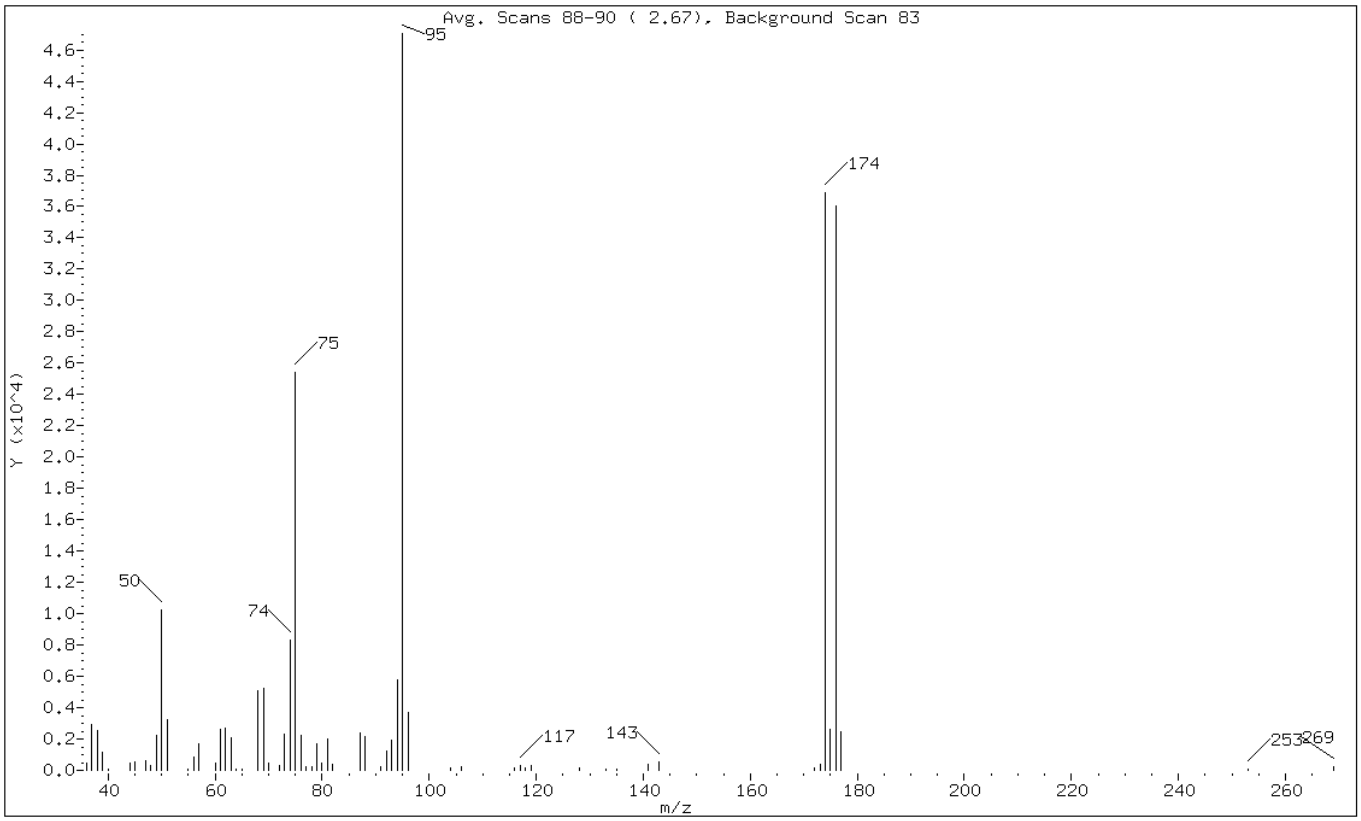
Data File: b42248.d

Date: 18-MAY-2012 03:39

Client ID: Instrument: VOAMS2.i

Sample Info: BFB Operator: VOAMS 1

1 BFB



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	21.79
75	30.00 - 60.00% of mass 95	54.00
96	5.00 - 9.00% of mass 95	7.93
173	Less than 2.00% of mass 174	0.80 (1.02)
174	50.00 - 100.00% of mass 95	78.47
175	5.00 - 9.00% of mass 174	5.60 (7.13)
176	95.00 - 101.00% of mass 174	76.55 (97.55)
177	5.00 - 9.00% of mass 176	5.26 (6.88)

Data File: b42248.d

Date: 18-MAY-2012 03:39

Client ID: Instrument: VOAMS2.i

Sample Info: BFB Operator: VOAMS 1

Data File: /chem/VOAMS2.i/8260_09/04-24-12/18may12.b/b42248.d
Spectrum: Avg. Scans 88-90 (2.67), Background Scan 83
Location of Maximum: 95.00
Number of points: 62

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	475	61.00	2590	80.00	443	119.00	273
37.00	2922	62.00	2722	81.00	2013	128.00	158
38.00	2558	63.00	2071	82.00	423	133.00	78
39.00	1136	64.00	69	87.00	2353	135.00	71
40.00	67	65.00	67	88.00	2126	141.00	409
44.00	454	68.00	5083	91.00	261	143.00	551
45.00	520	69.00	5267	92.00	1255	172.00	161
47.00	625	70.00	455	93.00	1930	173.00	375
48.00	308	72.00	277	94.00	5753	174.00	36920
49.00	2232	73.00	2313	95.00	47048	175.00	2634
50.00	10254	74.00	8334	96.00	3729	176.00	36016
51.00	3249	75.00	25408	104.00	186	177.00	2477
55.00	83	76.00	2197	106.00	238	253.00	70
56.00	862	77.00	205	116.00	146	269.00	207
57.00	1729	78.00	232	117.00	332		
60.00	451	79.00	1682	118.00	131		

Data File: /chem/VOAMS4.i/8260_09/05-03-12/03may12.b/d20295.d
Report Date: 03-May-2012 01:31

TestAmerica

Data file : /chem/VOAMS4.i/8260_09/05-03-12/03may12.b/d20295.d
Lab Smp Id: BFB
Inj Date : 03-MAY-2012 01:29
Operator : VOAMS 1 Inst ID: VOAMS4.i
Smp Info : BFB
Misc Info :
Comment :
Method : /chem/VOAMS4.i/8260_09/05-03-12/03may12.b/VOABFB.m
Meth Date : 02-Mar-2011 20:46 ken Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: hpd2

Concentration Formula: Amt * DF * Uf * Vf * VI * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor
VI	1.00000	Injection Volume

Cpnd Variable Local Compound Variable

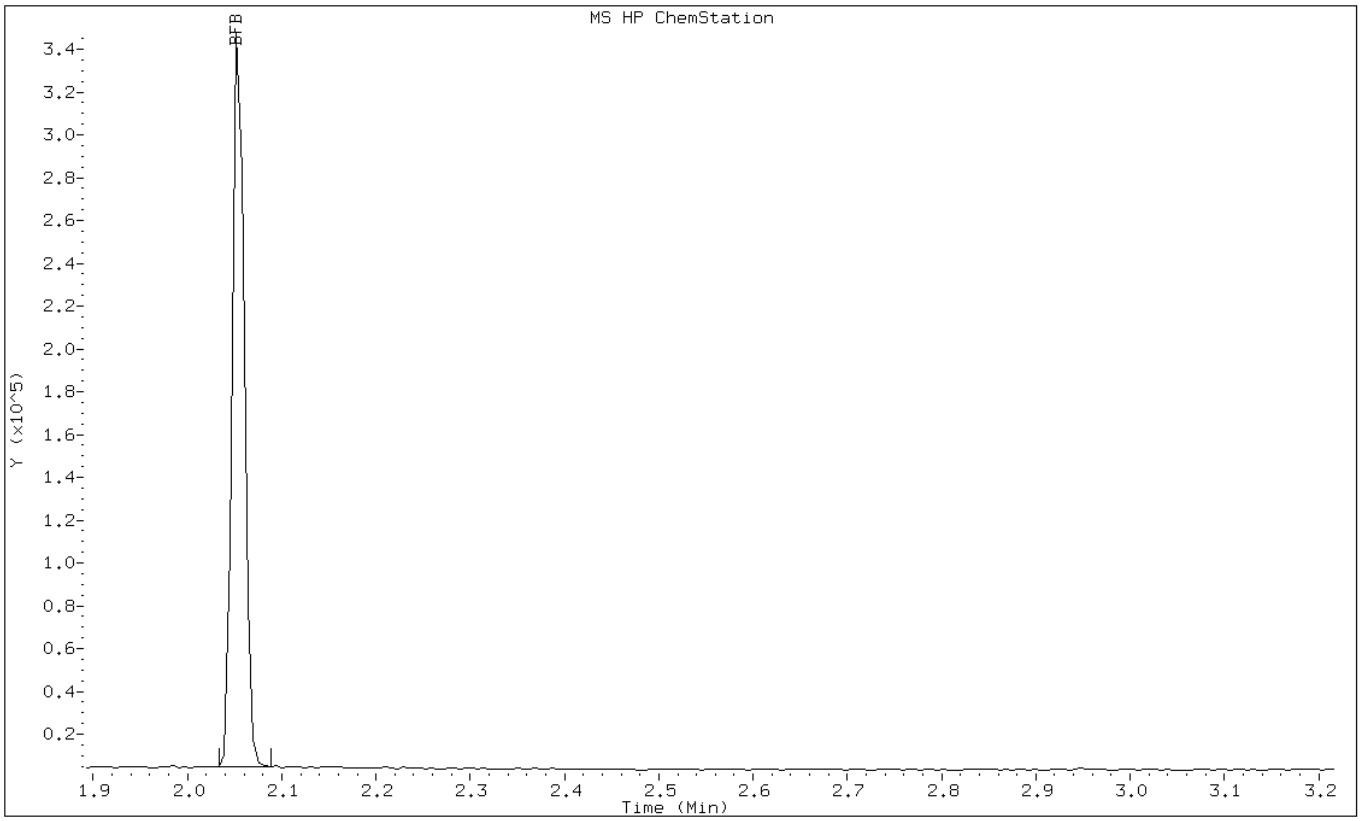
RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 BFB					CAS #: 460-00-4		
2.051	2.000 (0.000)	95	48053			0.00- 100.00	100.00
2.051	2.000 (0.000)	50	11720			15.00- 40.00	24.39
2.051	2.000 (0.000)	75	25994			30.00- 60.00	54.09
2.051	2.000 (0.000)	96	3228			5.00- 9.00	6.72
2.051	2.000 (0.000)	173	172			0.00- 2.00	0.48
2.051	2.000 (0.000)	174	36022			50.00- 100.00	74.96
2.051	2.000 (0.000)	175	2668			5.00- 9.00	7.41
2.051	2.000 (0.000)	176	34479			95.00- 101.00	95.72
2.051	2.000 (0.000)	177	2409			5.00- 9.00	6.99

Data File: d20295.d

Date: 03-MAY-2012 01:29

Client ID: Instrument: VOAMS4.i

Sample Info: BFB Operator: VOAMS 1



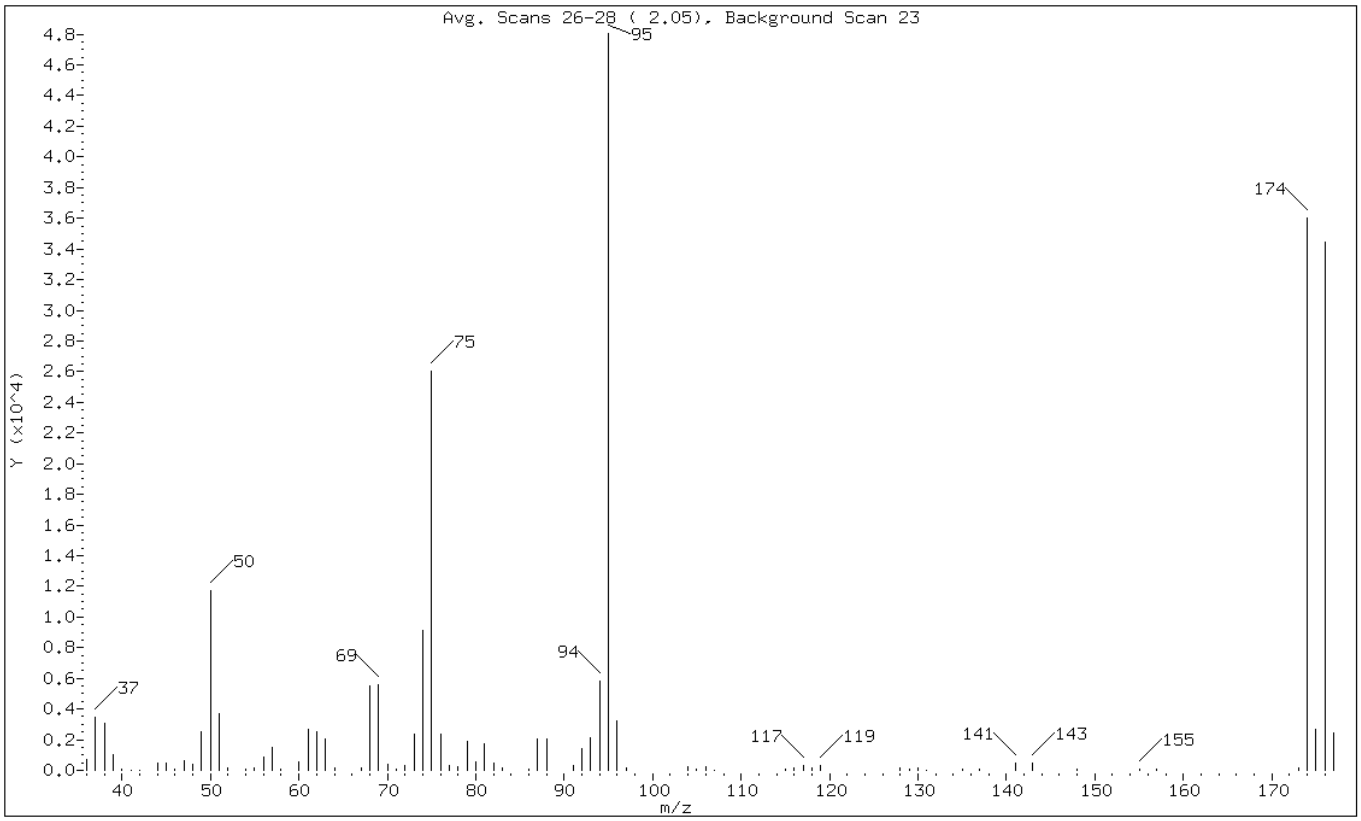
Data File: d20295.d

Date: 03-MAY-2012 01:29

Client ID: Instrument: VOAMS4.i

Sample Info: BFB Operator: VOAMS 1

1 BFB



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	24.39
75	30.00 - 60.00% of mass 95	54.09
96	5.00 - 9.00% of mass 95	6.72
173	Less than 2.00% of mass 174	0.36 (0.48)
174	50.00 - 100.00% of mass 95	74.96
175	5.00 - 9.00% of mass 174	5.55 (7.41)
176	95.00 - 101.00% of mass 174	71.75 (95.72)
177	5.00 - 9.00% of mass 176	5.01 (6.99)

Data File: d20295.d

Date: 03-MAY-2012 01:29

Client ID: Instrument: VOAMS4.i

Sample Info: BFB Operator: VOAMS 1

Data File: /chem/VOAMS4.i/8260_09/05-03-12/03may12.b/d20295.d
Spectrum: Avg. Scans 26-28 (2.05), Background Scan 23
Location of Maximum: 95.00
Number of points: 78

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	697	58.00	94	81.00	1714	118.00	174
37.00	3499	60.00	582	82.00	483	119.00	287
38.00	3071	61.00	2667	83.00	164	128.00	148
39.00	999	62.00	2544	86.00	43	129.00	101
40.00	62	63.00	2009	87.00	2041	130.00	138
41.00	15	64.00	123	88.00	2025	131.00	36
42.00	19	67.00	178	91.00	308	135.00	98
44.00	480	68.00	5475	92.00	1443	137.00	96
45.00	469	69.00	5585	93.00	2112	141.00	459
46.00	41	70.00	427	94.00	5856	143.00	500
47.00	642	71.00	76	95.00	48048	148.00	86
48.00	372	72.00	307	96.00	3228	155.00	115
49.00	2522	73.00	2384	97.00	154	157.00	40
50.00	11720	74.00	9091	104.00	226	173.00	172
51.00	3694	75.00	25992	105.00	109	174.00	36016
52.00	185	76.00	2352	106.00	247	175.00	2668
54.00	106	77.00	348	107.00	36	176.00	34472
55.00	186	78.00	265	115.00	42	177.00	2409
56.00	852	79.00	1923	116.00	194		
57.00	1491	80.00	540	117.00	299		

Data File: /chem/VOAMS4.i/8260_09/05-03-12/17may12.b/d20721.d
Report Date: 17-May-2012 07:39

TestAmerica

Data file : /chem/VOAMS4.i/8260_09/05-03-12/17may12.b/d20721.d
Lab Smp Id: BFB
Inj Date : 17-MAY-2012 07:51
Operator : VOAMS 1 Inst ID: VOAMS4.i
Smp Info : BFB
Misc Info :
Comment :
Method : /chem/VOAMS4.i/8260_09/05-03-12/17may12.b/VOABFB.m
Meth Date : 02-Mar-2011 20:46 ken Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: hpd2

Concentration Formula: Amt * DF * Uf * Vf * VI * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor
VI	1.00000	Injection Volume

Cpnd Variable Local Compound Variable

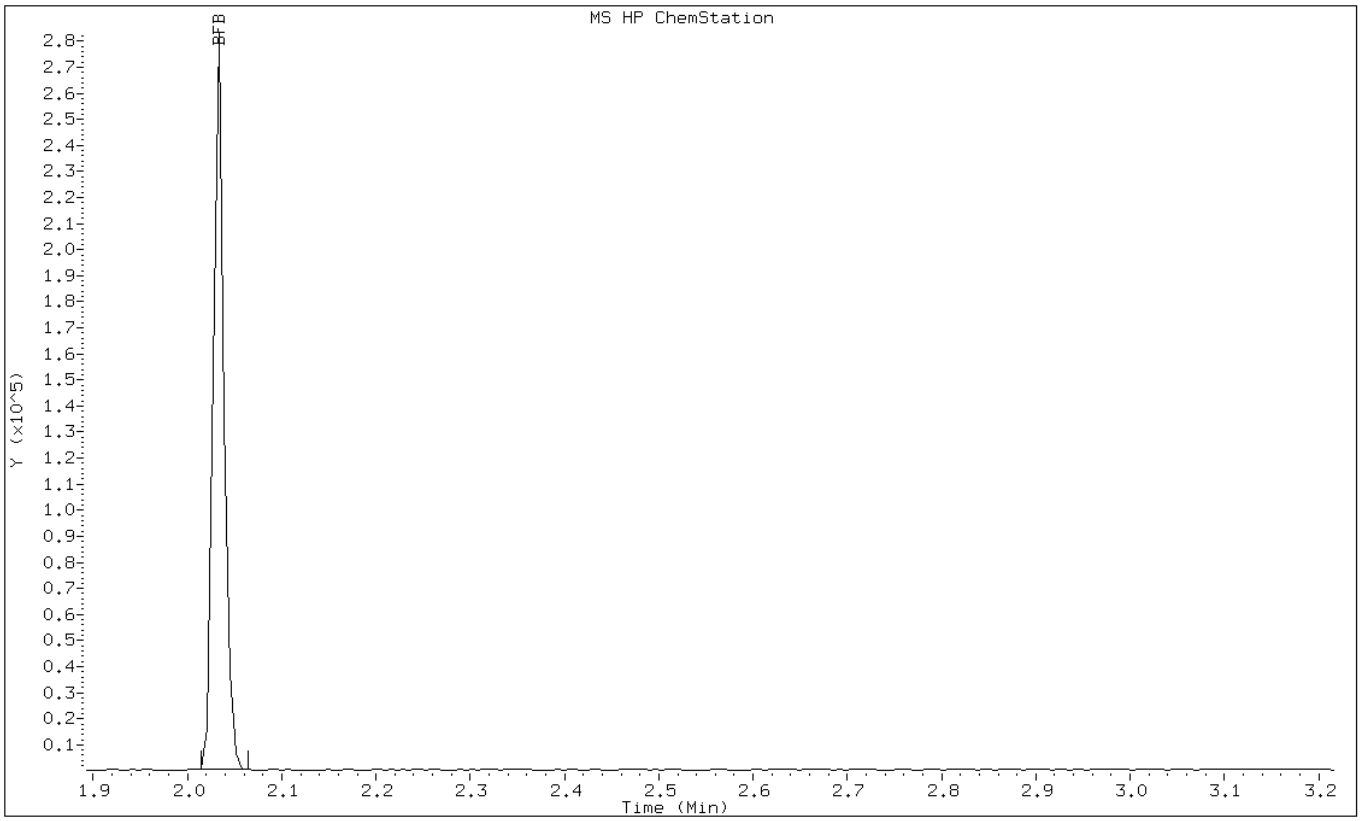
RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 BFB					CAS #: 460-00-4		
2.033	2.000 (0.000)	95	38461			0.00- 100.00	100.00
2.033	2.000 (0.000)	50	7939			15.00- 40.00	20.64
2.033	2.000 (0.000)	75	19551			30.00- 60.00	50.83
2.033	2.000 (0.000)	96	2928			5.00- 9.00	7.61
2.033	2.000 (0.000)	173	373			0.00- 2.00	1.16
2.033	2.000 (0.000)	174	32224			50.00- 100.00	83.78
2.033	2.000 (0.000)	175	2270			5.00- 9.00	7.04
2.033	2.000 (0.000)	176	31197			95.00- 101.00	96.81
2.033	2.000 (0.000)	177	2036			5.00- 9.00	6.53

Data File: d20721.d

Date: 17-MAY-2012 07:51

Client ID: Instrument: VOAMS4.i

Sample Info: BFB Operator: VOAMS 1



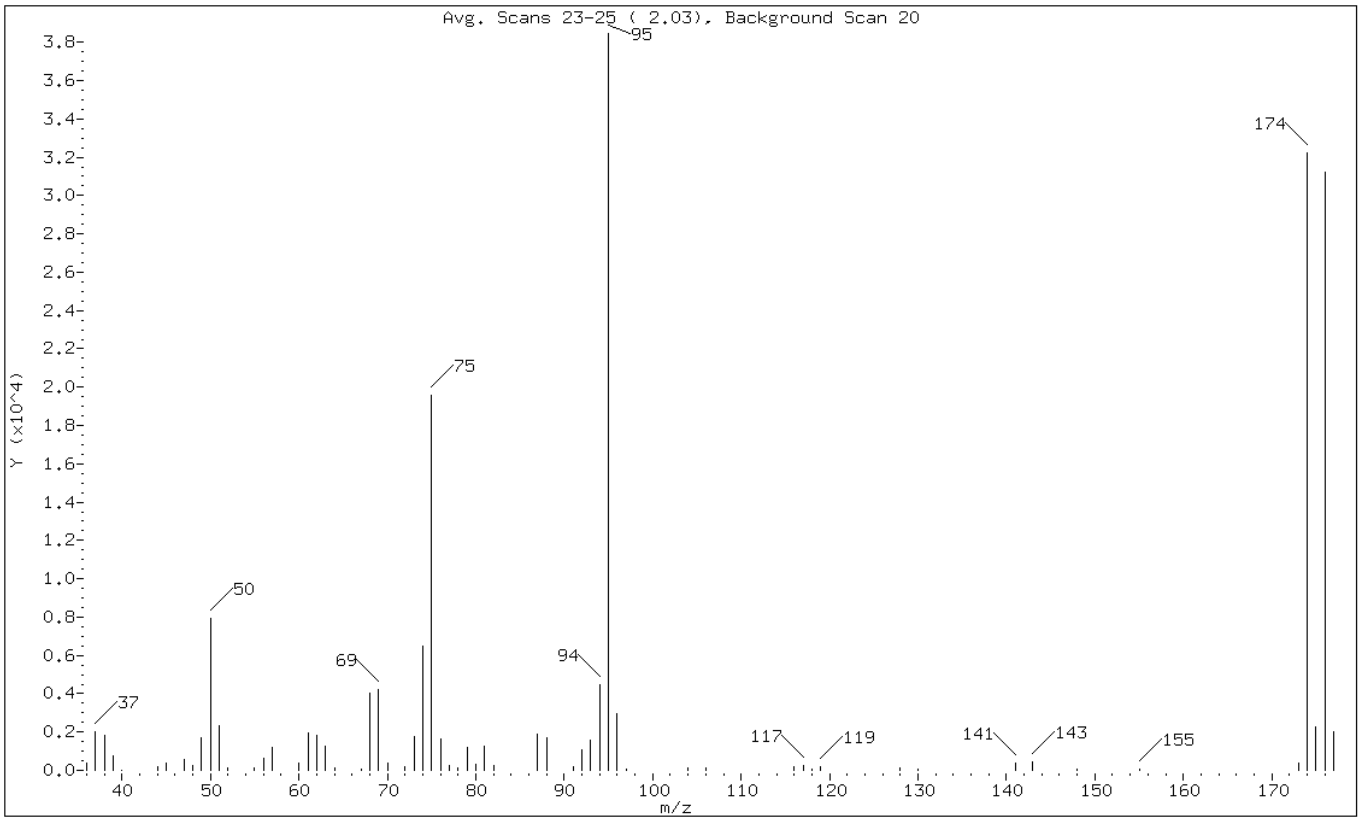
Data File: d20721.d

Date: 17-MAY-2012 07:51

Client ID: Instrument: VOAMS4.i

Sample Info: BFB Operator: VOAMS 1

1 BFB



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	20.64
75	30.00 - 60.00% of mass 95	50.83
96	5.00 - 9.00% of mass 95	7.61
173	Less than 2.00% of mass 174	0.97 (1.16)
174	50.00 - 100.00% of mass 95	83.78
175	5.00 - 9.00% of mass 174	5.90 (7.04)
176	95.00 - 101.00% of mass 174	81.11 (96.81)
177	5.00 - 9.00% of mass 176	5.29 (6.53)

Data File: d20721.d

Date: 17-MAY-2012 07:51

Client ID: Instrument: VOAMS4.i

Sample Info: BFB Operator: VOAMS 1

Data File: /chem/VOAMS4.i/8260_09/05-03-12/17may12.b/d20721.d
Spectrum: Avg. Scans 23-25 (2.03), Background Scan 20
Location of Maximum: 95.00
Number of points: 62

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	406	60.00	379	79.00	1186	117.00	221
37.00	2039	61.00	1934	80.00	346	118.00	57
38.00	1805	62.00	1819	81.00	1251	119.00	210
39.00	737	63.00	1280	82.00	240	128.00	139
40.00	9	64.00	105	87.00	1879	130.00	86
44.00	178	67.00	53	88.00	1693	141.00	350
45.00	388	68.00	4005	91.00	171	143.00	411
47.00	536	69.00	4205	92.00	1051	148.00	38
48.00	234	70.00	370	93.00	1597	155.00	42
49.00	1722	72.00	203	94.00	4447	173.00	373
50.00	7939	73.00	1775	95.00	38456	174.00	32224
51.00	2356	74.00	6487	96.00	2928	175.00	2270
52.00	96	75.00	19544	97.00	37	176.00	31192
55.00	129	76.00	1655	104.00	127	177.00	2036
56.00	614	77.00	242	106.00	140		
57.00	1205	78.00	131	116.00	161		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 460-112972/4

Matrix: Water Lab File ID: d20726.d

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 05/17/2012 10:36

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 112972 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-15-0	Carbon disulfide	0.13	U	1.0	0.13
127-18-4	Tetrachloroethene	0.10	U	1.0	0.10
78-87-5	1,2-Dichloropropane	0.090	U	1.0	0.090
108-10-1	4-Methyl-2-pentanone	0.99	U	5.0	0.99
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.080	U	1.0	0.080
124-48-1	Dibromochloromethane	0.20	U	1.0	0.20
120-82-1	1,2,4-Trichlorobenzene	0.34	U	1.0	0.34
100-42-5	Styrene	0.12	U	1.0	0.12
87-61-6	1,2,3-Trichlorobenzene	0.51	U	1.0	0.51
79-34-5	1,1,2,2-Tetrachloroethane	0.16	U	1.0	0.16
75-00-3	Chloroethane	0.17	U	1.0	0.17
78-93-3	2-Butanone	2.3	U	5.0	2.3
98-82-8	Isopropylbenzene	0.080	U	1.0	0.080
71-55-6	1,1,1-Trichloroethane	0.060	U	1.0	0.060
71-43-2	Benzene	0.080	U	1.0	0.080
10061-01-5	cis-1,3-Dichloropropene	0.18	U	1.0	0.18
74-97-5	Bromochloromethane	0.27	U	1.0	0.27
75-25-2	Bromoform	0.19	U	1.0	0.19
75-34-3	1,1-Dichloroethane	0.13	U	1.0	0.13
107-06-2	1,2-Dichloroethane	0.19	U	1.0	0.19
79-00-5	1,1,2-Trichloroethane	0.19	U	1.0	0.19
67-64-1	Acetone	2.7	U	5.0	2.7
79-20-9	Methyl acetate	0.34	U	2.0	0.34
75-71-8	Dichlorodifluoromethane	0.22	U	1.0	0.22
75-09-2	Methylene Chloride	0.18	U	1.0	0.18
74-87-3	Chloromethane	0.10	U	1.0	0.10
74-83-9	Bromomethane	0.18	U	1.0	0.18
108-88-3	Toluene	0.15	U	1.0	0.15
95-47-6	o-Xylene	0.13	U	1.0	0.13
108-90-7	Chlorobenzene	0.11	U	1.0	0.11
96-12-8	1,2-Dibromo-3-Chloropropane	0.40	U	1.0	0.40
541-73-1	1,3-Dichlorobenzene	0.14	U	1.0	0.14
1634-04-4	MTBE	0.14	U	1.0	0.14
156-60-5	trans-1,2-Dichloroethene	0.13	U	1.0	0.13
123-91-1	1,4-Dioxane	36	U	50	36

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-40258-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-112972/4

Matrix: Water | Lab File ID: d20726.d

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 05/17/2012 10:36

Soil Aliquot Vol: | Dilution Factor: 1

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

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

Analysis Batch No.: 112972 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-35-4	1,1-Dichloroethene	0.090	U	1.0	0.090
95-50-1	1,2-Dichlorobenzene	0.21	U	1.0	0.21
79-01-6	Trichloroethene	0.090	U	1.0	0.090
591-78-6	2-Hexanone	0.50	U	5.0	0.50
100-41-4	Ethylbenzene	0.10	U	1.0	0.10
108-87-2	Methylcyclohexane	0.14	U	1.0	0.14
75-69-4	Trichlorofluoromethane	0.15	U	1.0	0.15
110-82-7	Cyclohexane	0.16	U	1.0	0.16
10061-02-6	trans-1,3-Dichloropropene	0.24	U	1.0	0.24
156-59-2	cis-1,2-Dichloroethene	0.18	U	1.0	0.18
67-66-3	Chloroform	0.080	U	1.0	0.080
179601-23-1	m&p-Xylene	0.25	U	2.0	0.25
75-01-4	Vinyl chloride	0.14	U	1.0	0.14
106-93-4	1,2-Dibromoethane	0.28	U	1.0	0.28
56-23-5	Carbon tetrachloride	0.060	U	1.0	0.060
106-46-7	1,4-Dichlorobenzene	0.23	U	1.0	0.23
75-27-4	Bromodichloromethane	0.12	U	1.0	0.12
104-51-8	n-Butylbenzene	0.14	U	1.0	0.14
95-63-6	1,2,4-Trimethylbenzene	0.13	U	1.0	0.13
135-98-8	sec-Butylbenzene	0.18	U	1.0	0.18
103-65-1	N-Propylbenzene	0.10	U	1.0	0.10
108-67-8	1,3,5-Trimethylbenzene	0.15	U	1.0	0.15
98-06-6	tert-Butylbenzene	0.12	U	1.0	0.12
99-87-6	4-Isopropyltoluene	0.14	U	1.0	0.14

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	Bromofluorobenzene	93		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	92		70-130
2037-26-5	Toluene-d8 (Surr)	95		70-130

Data File: /chem/VOAMS4.i/8260_09/05-03-12/17may12.b/d20726.d
Report Date: 17-May-2012 10:53

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS4.i/8260_09/05-03-12/17may12.b/d20726.d
Lab Smp Id: MB
Inj Date : 17-MAY-2012 10:36
Operator : VOA GC/MS4 Inst ID: VOAMS4.i
Smp Info : MB
Misc Info :
Comment :
Method : /chem/VOAMS4.i/8260_09/05-03-12/17may12.b/8260_09.m
Meth Date : 17-May-2012 08:12 maryb Quant Type: ISTD
Cal Date : 03-MAY-2012 05:45 Cal File: d20305.d
Als bottle: 5 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

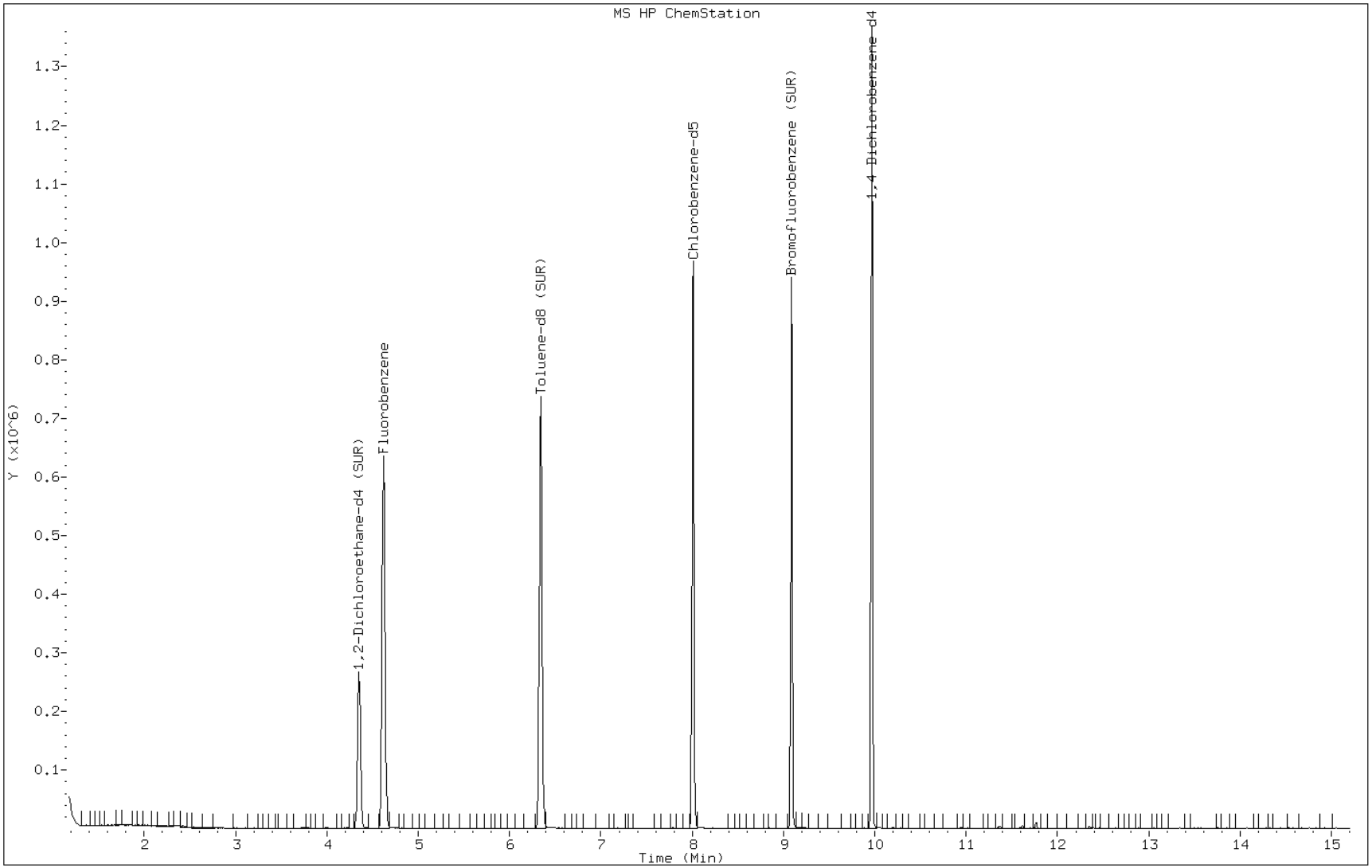
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
$ 47 1,2-Dichloroethane-d4 (SUR)	65	4.352	4.352	(0.941)	219592	46.1944	46
* 52 Fluorobenzene	96	4.623	4.617	(1.000)	665171	50.0000	
$ 65 Toluene-d8 (SUR)	98	6.340	6.340	(0.791)	556550	47.5170	48
* 78 Chlorobenzene-d5	117	8.011	8.011	(1.000)	441060	50.0000	
$ 89 Bromofluorobenzene (SUR)	174	9.087	9.087	(0.911)	189642	46.3180	46
* 108 1,4-Dichlorobenzene-d4	152	9.969	9.970	(1.000)	247962	50.0000	

Data File: d20726.d

Date: 17-MAY-2012 10:36

Client ID: Instrument: VOAMS4.i

Sample Info: MB Operator: VOA GC/MS4



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 460-113081/5

Matrix: Solid Lab File ID: o60380.d

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 05/18/2012 06:59

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 113081 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-15-0	Carbon disulfide	0.15	U	1.0	0.15
127-18-4	Tetrachloroethene	0.12	U	1.0	0.12
78-87-5	1,2-Dichloropropane	0.15	U	1.0	0.15
108-10-1	4-Methyl-2-pentanone	0.20	U	10	0.20
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.11	U	1.0	0.11
124-48-1	Dibromochloromethane	0.10	U	1.0	0.10
120-82-1	1,2,4-Trichlorobenzene	0.19	U	1.0	0.19
100-42-5	Styrene	0.28	U	1.0	0.28
87-61-6	1,2,3-Trichlorobenzene	0.16	U	1.0	0.16
79-34-5	1,1,2,2-Tetrachloroethane	0.090	U	1.0	0.090
75-00-3	Chloroethane	0.33	U	1.0	0.33
78-93-3	2-Butanone	0.63	U	10	0.63
98-82-8	Isopropylbenzene	0.11	U	1.0	0.11
71-55-6	1,1,1-Trichloroethane	0.13	U	1.0	0.13
71-43-2	Benzene	0.15	U	1.0	0.15
10061-01-5	cis-1,3-Dichloropropene	0.14	U	1.0	0.14
74-97-5	Bromochloromethane	0.11	U	1.0	0.11
75-25-2	Bromoform	0.17	U	1.0	0.17
75-34-3	1,1-Dichloroethane	0.11	U	1.0	0.11
107-06-2	1,2-Dichloroethane	0.18	U	1.0	0.18
79-00-5	1,1,2-Trichloroethane	0.14	U	1.0	0.14
67-64-1	Acetone	3.81	J	10	1.7
79-20-9	Methyl acetate	0.32	U	1.0	0.32
75-71-8	Dichlorodifluoromethane	0.22	U	1.0	0.22
75-09-2	Methylene Chloride	0.189	J	1.0	0.15
74-87-3	Chloromethane	0.16	U	1.0	0.16
74-83-9	Bromomethane	0.43	U	1.0	0.43
108-88-3	Toluene	0.14	U	1.0	0.14
95-47-6	o-Xylene	0.19	U	1.0	0.19
108-90-7	Chlorobenzene	0.18	U	1.0	0.18
96-12-8	1,2-Dibromo-3-Chloropropane	0.44	U	1.0	0.44
541-73-1	1,3-Dichlorobenzene	0.16	U	1.0	0.16
1634-04-4	MTBE	0.11	U	1.0	0.11
156-60-5	trans-1,2-Dichloroethene	0.13	U	1.0	0.13
123-91-1	1,4-Dioxane	13	U	50	13

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 460-113081/5

Matrix: Solid Lab File ID: o60380.d

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 05/18/2012 06:59

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 113081 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19
95-50-1	1,2-Dichlorobenzene	0.10	U	1.0	0.10
79-01-6	Trichloroethene	0.12	U	1.0	0.12
591-78-6	2-Hexanone	0.13	U	10	0.13
100-41-4	Ethylbenzene	0.17	U	1.0	0.17
108-87-2	Methylcyclohexane	0.10	U	1.0	0.10
75-69-4	Trichlorofluoromethane	0.16	U	1.0	0.16
110-82-7	Cyclohexane	0.13	U	1.0	0.13
10061-02-6	trans-1,3-Dichloropropene	0.10	U	1.0	0.10
156-59-2	cis-1,2-Dichloroethene	0.11	U	1.0	0.11
67-66-3	Chloroform	0.24	U	1.0	0.24
179601-23-1	m&p-Xylene	0.59	U	2.0	0.59
75-01-4	Vinyl chloride	0.34	U	1.0	0.34
106-93-4	1,2-Dibromoethane	0.15	U	1.0	0.15
56-23-5	Carbon tetrachloride	0.15	U	1.0	0.15
106-46-7	1,4-Dichlorobenzene	0.11	U	1.0	0.11
75-27-4	Bromodichloromethane	0.32	U	1.0	0.32
104-51-8	n-Butylbenzene	0.080	U	1.0	0.080
95-63-6	1,2,4-Trimethylbenzene	0.15	U	1.0	0.15
135-98-8	sec-Butylbenzene	0.13	U	1.0	0.13
103-65-1	N-Propylbenzene	0.15	U	1.0	0.15
108-67-8	1,3,5-Trimethylbenzene	0.12	U	1.0	0.12
98-06-6	tert-Butylbenzene	0.12	U	1.0	0.12
99-87-6	p-Isopropyltoluene	0.14	U	1.0	0.14

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	Bromofluorobenzene	94		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	120		70-130
2037-26-5	Toluene-d8 (Surr)	107		70-130

Data File: /chem/VOAMS12.i/8260L_10/05-03-12/18may12.b/o60380.d
Report Date: 22-May-2012 08:52

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS12.i/8260L_10/05-03-12/18may12.b/o60380.d
Lab Smp Id: MB
Inj Date : 18-MAY-2012 06:59
Operator : VOAMS 9 Inst ID: VOAMS12.i
Smp Info : MB
Misc Info :
Comment :
Method : /chem/VOAMS12.i/8260L_10/05-03-12/18may12.b/8260L_10.m
Meth Date : 18-May-2012 04:32 audberto Quant Type: ISTD
Cal Date : 03-MAY-2012 18:57 Cal File: o59879.d
Als bottle: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	5.00000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
	7 Acetone	43	1.654	1.654	(0.446)	2566	3.81106	3.8(a)
	6 Methylene Chloride	84	1.905	1.897	(0.513)	639	0.18879	0.19(a)
$	16 1,2-Dichloroethane-d4 (SUR)	65	3.409	3.409	(0.919)	102091	60.0082	60
*	69 Fluorobenzene	96	3.710	3.703	(1.000)	415111	50.0000	
$	37 Toluene-d8 (SUR)	98	5.393	5.386	(0.741)	384354	53.7070	54
*	32 Chlorobenzene-d5	117	7.277	7.270	(1.000)	351155	50.0000	
$	41 Bromofluorobenzene (SUR)	174	9.075	9.075	(0.830)	140725	46.7805	47
*	91 1,4-Dichlorobenzene-d4	152	10.937	10.937	(1.000)	221135	50.0000	

QC Flag Legend

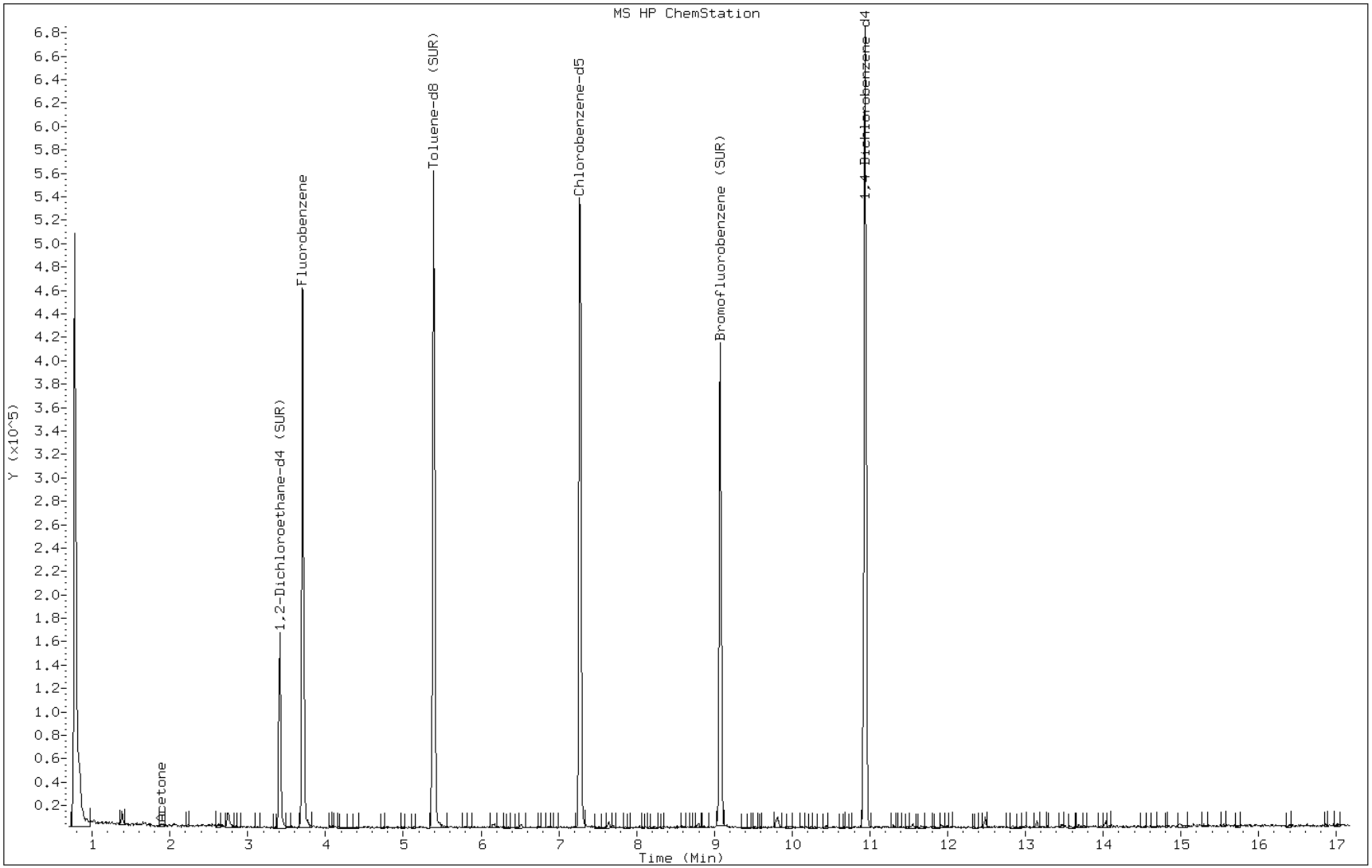
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: o60380.d

Date: 18-MAY-2012 06:59

Client ID: Instrument: VOAMS12.i

Sample Info: MB Operator: VOAMS 9



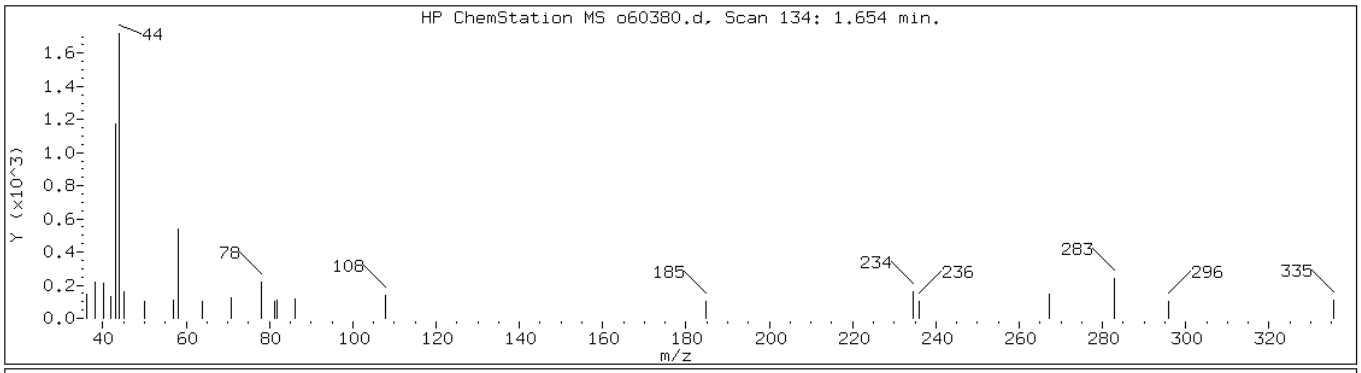
Data File: o60380.d

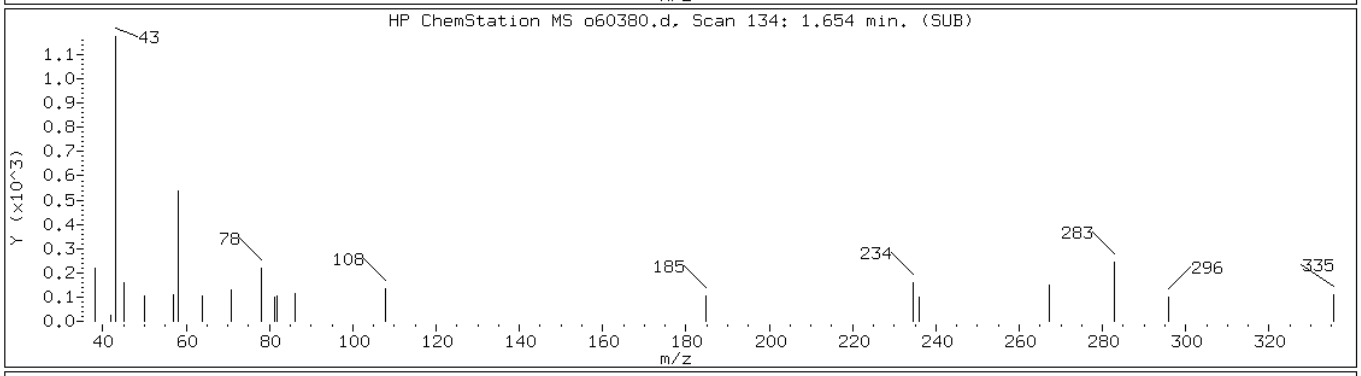
Date: 18-MAY-2012 06:59

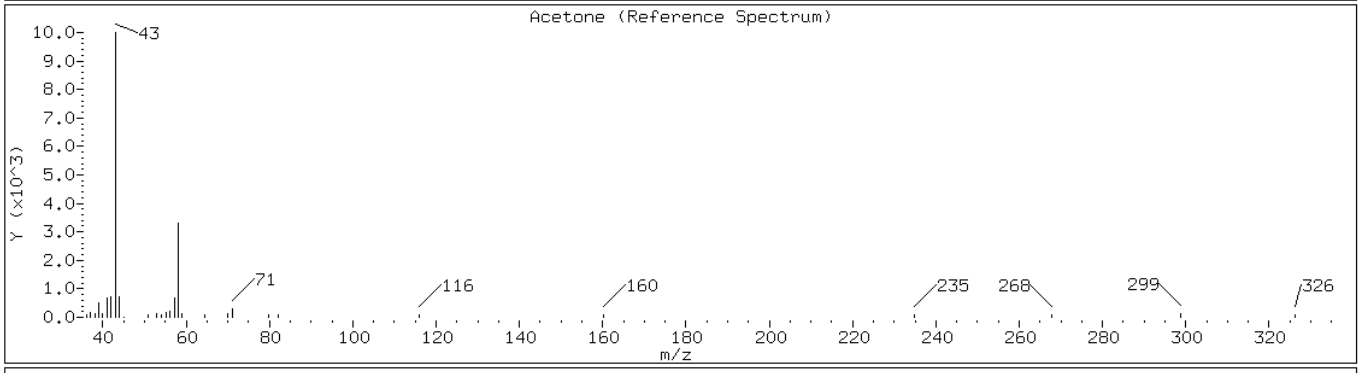
Client ID: Instrument: VOAMS12.i

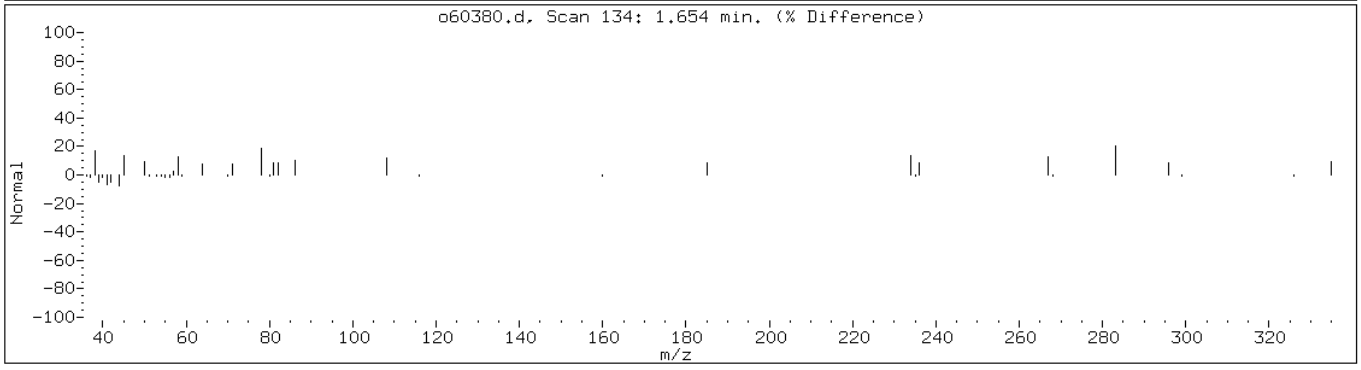
Sample Info: MB Operator: VOAMS 9

7 Acetone









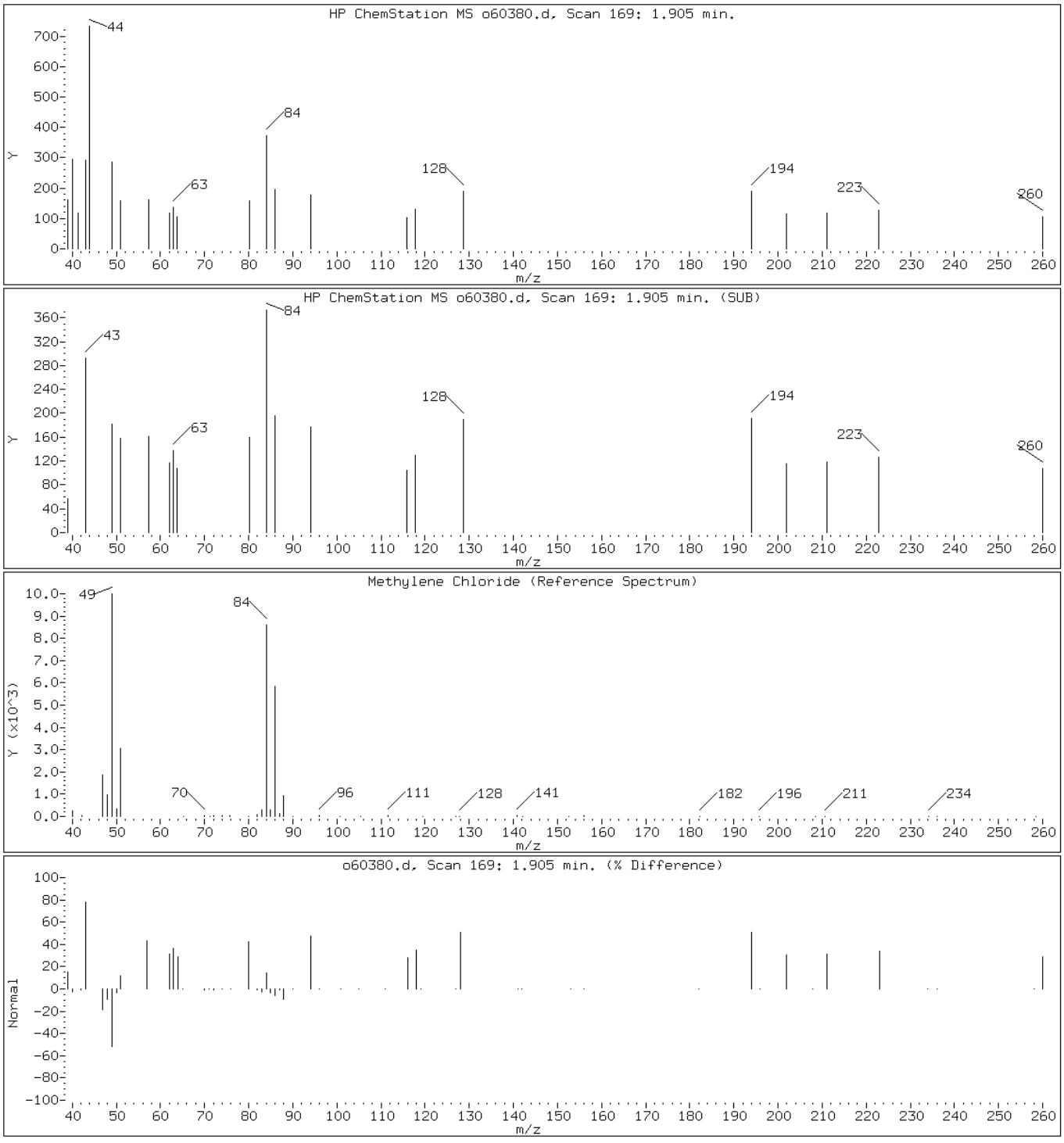
Data File: o60380.d

Date: 18-MAY-2012 06:59

Client ID: Instrument: VOAMS12.i

Sample Info: MB Operator: VOAMS 9

6 Methylene Chloride



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 460-113082/4

Matrix: Solid Lab File ID: b42254.d

Analysis Method: 8260B Date Collected:

Sample wt/vol: 2.5(mL) Date Analyzed: 05/18/2012 06:08

Soil Aliquot Vol: 2.5 (mL) Dilution Factor: 50

Soil Extract Vol.: 5(mL) GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Medium

Analysis Batch No.: 113082 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-15-0	Carbon disulfide	13	U	100	13
127-18-4	Tetrachloroethene	9.7	U	100	9.7
78-87-5	1,2-Dichloropropane	8.6	U	100	8.6
108-10-1	4-Methyl-2-pentanone	99	U	500	99
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	8.2	U	100	8.2
124-48-1	Dibromochloromethane	20	U	100	20
120-82-1	1,2,4-Trichlorobenzene	34	U	100	34
100-42-5	Styrene	12	U	100	12
87-61-6	1,2,3-Trichlorobenzene	51	U	100	51
79-34-5	1,1,2,2-Tetrachloroethane	16	U	100	16
75-00-3	Chloroethane	17	U	100	17
78-93-3	2-Butanone	230	U	500	230
98-82-8	Isopropylbenzene	7.7	U	100	7.7
71-55-6	1,1,1-Trichloroethane	6.2	U	100	6.2
71-43-2	Benzene	8.3	U	100	8.3
10061-01-5	cis-1,3-Dichloropropene	18	U	100	18
74-97-5	Bromochloromethane	27	U	100	27
75-25-2	Bromoform	19	U	100	19
75-34-3	1,1-Dichloroethane	13	U	100	13
107-06-2	1,2-Dichloroethane	19	U	100	19
79-00-5	1,1,2-Trichloroethane	19	U	100	19
67-64-1	Acetone	270	U	500	270
79-20-9	Methyl acetate	34	U	200	34
75-71-8	Dichlorodifluoromethane	22	U	100	22
75-09-2	Methylene Chloride	18	U	100	18
74-87-3	Chloromethane	9.7	U	100	9.7
74-83-9	Bromomethane	18	U	100	18
108-88-3	Toluene	15	U	100	15
95-47-6	o-Xylene	13	U	100	13
108-90-7	Chlorobenzene	11	U	100	11
96-12-8	1,2-Dibromo-3-Chloropropane	40	U	100	40
541-73-1	1,3-Dichlorobenzene	14	U	100	14
1634-04-4	MTBE	14	U	100	14
156-60-5	trans-1,2-Dichloroethene	13	U	100	13
123-91-1	1,4-Dioxane	3600	U	5000	3600

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-40258-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-113082/4

Matrix: Solid | Lab File ID: b42254.d

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 2.5(mL) | Date Analyzed: 05/18/2012 06:08

Soil Aliquot Vol: 2.5 (mL) | Dilution Factor: 50

Soil Extract Vol.: 5(mL) | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: | Level: (low/med) Medium

Analysis Batch No.: 113082 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-35-4	1,1-Dichloroethene	8.8	U	100	8.8
95-50-1	1,2-Dichlorobenzene	21	U	100	21
79-01-6	Trichloroethene	9.2	U	100	9.2
591-78-6	2-Hexanone	50	U	500	50
100-41-4	Ethylbenzene	9.6	U	100	9.6
108-87-2	Methylcyclohexane	14	U	100	14
75-69-4	Trichlorofluoromethane	15	U	100	15
110-82-7	Cyclohexane	16	U	100	16
10061-02-6	trans-1,3-Dichloropropene	24	U	100	24
156-59-2	cis-1,2-Dichloroethene	18	U	100	18
67-66-3	Chloroform	7.9	U	100	7.9
179601-23-1	m&p-Xylene	25	U	200	25
75-01-4	Vinyl chloride	14	U	100	14
106-93-4	1,2-Dibromoethane	28	U	100	28
56-23-5	Carbon tetrachloride	5.7	U	100	5.7
106-46-7	1,4-Dichlorobenzene	23	U	100	23
75-27-4	Bromodichloromethane	13	U	100	13
104-51-8	n-Butylbenzene	14	U	100	14
95-63-6	1,2,4-Trimethylbenzene	13	U	100	13
135-98-8	sec-Butylbenzene	18	U	100	18
103-65-1	N-Propylbenzene	9.5	U	100	9.5
108-67-8	1,3,5-Trimethylbenzene	15	U	100	15
98-06-6	tert-Butylbenzene	12	U	100	12
99-87-6	p-Isopropyltoluene	14	U	100	14

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	114		75-135
2037-26-5	Toluene-d8 (Surr)	105		59-150

Data File: /chem/VOAMS2.i/8260_09/04-24-12/18may12.b/b42254.d
Report Date: 18-May-2012 06:52

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS2.i/8260_09/04-24-12/18may12.b/b42254.d
Lab Smp Id: MB
Inj Date : 18-MAY-2012 06:08
Operator : VOA GC/MS2 Inst ID: VOAMS2.i
Smp Info : MB
Misc Info :
Comment :
Method : /chem/VOAMS2.i/8260_09/04-24-12/18may12.b/8260_09.m
Meth Date : 18-May-2012 04:40 audberto Quant Type: ISTD
Cal Date : 24-APR-2012 23:35 Cal File: b41439.d
Als bottle: 6 QC Sample: BLANK
Dil Factor: 50.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * (Vt/Ws)/((100-M)/100) * CpndVariable

Name	Value	Description
DF	50.00000	Dilution Factor
Vt	10.00000	Volume of final extract (mL)
Ws	5.00000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

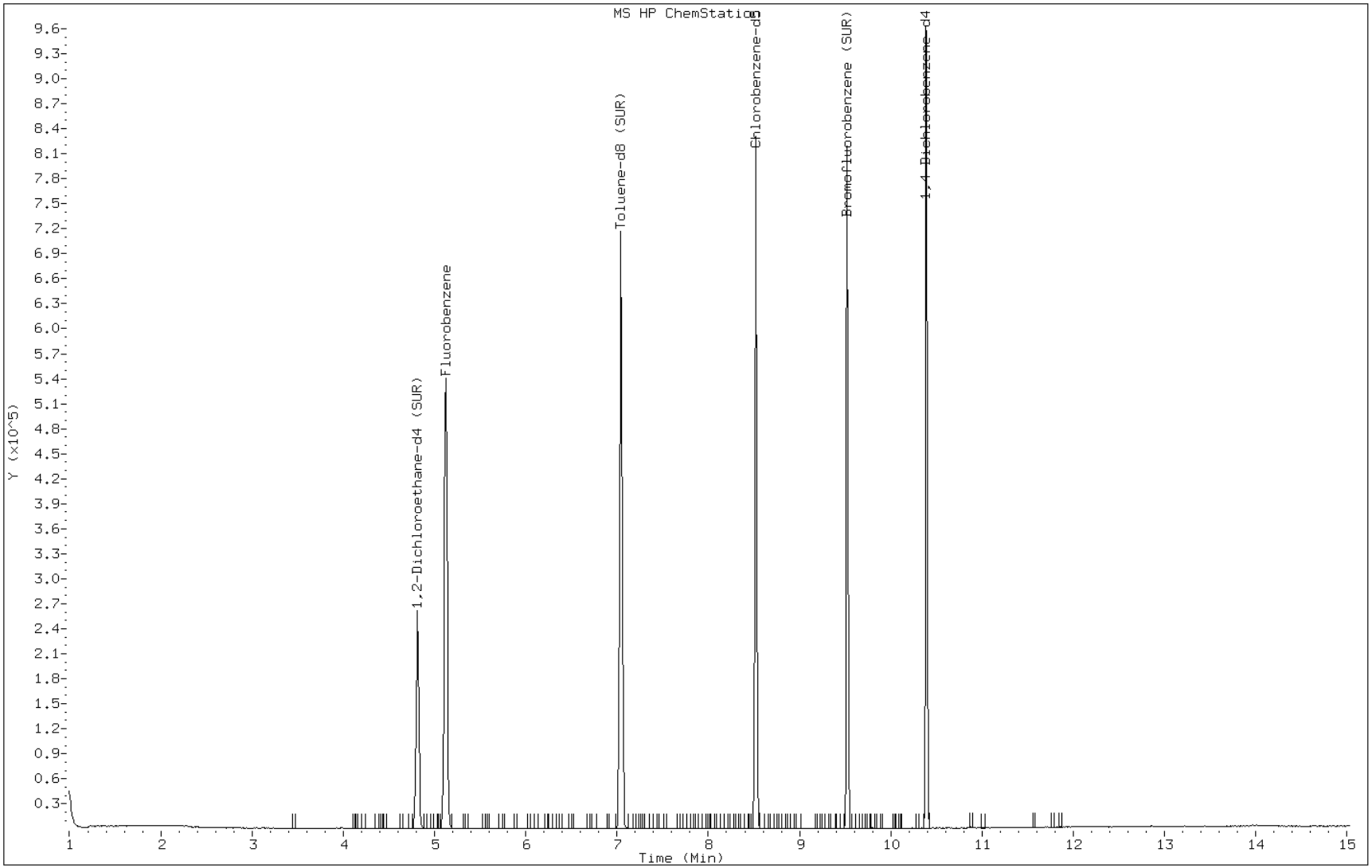
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
$ 47 1,2-Dichloroethane-d4 (SUR)	65	4.814	4.805	(0.939)	200125	56.8971	5700
* 52 Fluorobenzene	96	5.126	5.118	(1.000)	546759	50.0000	
$ 65 Toluene-d8 (SUR)	98	7.044	7.044	(0.826)	481827	52.6441	5300
* 78 Chlorobenzene-d5	117	8.525	8.525	(1.000)	389651	50.0000	
$ 89 Bromofluorobenzene (SUR)	174	9.521	9.521	(0.916)	164877	52.2158	5200
* 108 1,4-Dichlorobenzene-d4	152	10.393	10.393	(1.000)	196797	50.0000	

Data File: b42254.d

Date: 18-MAY-2012 06:08

Client ID: Instrument: VOAMS2.i

Sample Info: MB Operator: VOA GC/MS2



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Client Sample ID: Lab Sample ID: LB3 460-112896/1-A

Matrix: Solid Lab File ID: o60381.d

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(g) Date Analyzed: 05/18/2012 07:24

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 113081 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-15-0	Carbon disulfide	0.15	U	1.0	0.15
127-18-4	Tetrachloroethene	0.12	U	1.0	0.12
78-87-5	1,2-Dichloropropane	0.15	U	1.0	0.15
108-10-1	4-Methyl-2-pentanone	0.20	U	10	0.20
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.11	U	1.0	0.11
124-48-1	Dibromochloromethane	0.10	U	1.0	0.10
120-82-1	1,2,4-Trichlorobenzene	0.19	U	1.0	0.19
100-42-5	Styrene	0.28	U	1.0	0.28
87-61-6	1,2,3-Trichlorobenzene	0.16	U	1.0	0.16
79-34-5	1,1,2,2-Tetrachloroethane	0.090	U	1.0	0.090
75-00-3	Chloroethane	0.33	U	1.0	0.33
78-93-3	2-Butanone	0.63	U	10	0.63
98-82-8	Isopropylbenzene	0.11	U	1.0	0.11
71-55-6	1,1,1-Trichloroethane	0.13	U	1.0	0.13
71-43-2	Benzene	0.15	U	1.0	0.15
10061-01-5	cis-1,3-Dichloropropene	0.14	U	1.0	0.14
74-97-5	Bromochloromethane	0.11	U	1.0	0.11
75-25-2	Bromoform	0.17	U	1.0	0.17
75-34-3	1,1-Dichloroethane	0.11	U	1.0	0.11
107-06-2	1,2-Dichloroethane	0.18	U	1.0	0.18
79-00-5	1,1,2-Trichloroethane	0.14	U	1.0	0.14
67-64-1	Acetone	1.7	U	10	1.7
79-20-9	Methyl acetate	0.32	U	1.0	0.32
75-71-8	Dichlorodifluoromethane	0.22	U	1.0	0.22
75-09-2	Methylene Chloride	0.184	J	1.0	0.15
74-87-3	Chloromethane	0.16	U	1.0	0.16
74-83-9	Bromomethane	0.43	U	1.0	0.43
108-88-3	Toluene	0.391	J	1.0	0.14
95-47-6	o-Xylene	0.19	U	1.0	0.19
108-90-7	Chlorobenzene	0.18	U	1.0	0.18
96-12-8	1,2-Dibromo-3-Chloropropane	0.44	U	1.0	0.44
541-73-1	1,3-Dichlorobenzene	0.16	U	1.0	0.16
1634-04-4	MTBE	0.11	U	1.0	0.11
156-60-5	trans-1,2-Dichloroethene	0.13	U	1.0	0.13
123-91-1	1,4-Dioxane	13	U	50	13

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Client Sample ID: Lab Sample ID: LB3 460-112896/1-A

Matrix: Solid Lab File ID: o60381.d

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(g) Date Analyzed: 05/18/2012 07:24

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 113081 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19
95-50-1	1,2-Dichlorobenzene	0.10	U	1.0	0.10
79-01-6	Trichloroethene	0.12	U	1.0	0.12
591-78-6	2-Hexanone	0.13	U	10	0.13
100-41-4	Ethylbenzene	0.17	U	1.0	0.17
108-87-2	Methylcyclohexane	0.10	U	1.0	0.10
75-69-4	Trichlorofluoromethane	0.16	U	1.0	0.16
110-82-7	Cyclohexane	0.13	U	1.0	0.13
10061-02-6	trans-1,3-Dichloropropene	0.10	U	1.0	0.10
156-59-2	cis-1,2-Dichloroethene	0.11	U	1.0	0.11
67-66-3	Chloroform	0.24	U	1.0	0.24
179601-23-1	m&p-Xylene	0.59	U	2.0	0.59
75-01-4	Vinyl chloride	0.34	U	1.0	0.34
106-93-4	1,2-Dibromoethane	0.15	U	1.0	0.15
56-23-5	Carbon tetrachloride	0.15	U	1.0	0.15
106-46-7	1,4-Dichlorobenzene	0.11	U	1.0	0.11
75-27-4	Bromodichloromethane	0.32	U	1.0	0.32
104-51-8	n-Butylbenzene	0.080	U	1.0	0.080
95-63-6	1,2,4-Trimethylbenzene	0.15	U	1.0	0.15
135-98-8	sec-Butylbenzene	0.13	U	1.0	0.13
103-65-1	N-Propylbenzene	0.15	U	1.0	0.15
108-67-8	1,3,5-Trimethylbenzene	0.12	U	1.0	0.12
98-06-6	tert-Butylbenzene	0.12	U	1.0	0.12
99-87-6	p-Isopropyltoluene	0.14	U	1.0	0.14

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	Bromofluorobenzene	95		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	122		70-130
2037-26-5	Toluene-d8 (Surr)	103		70-130

Data File: /chem/VOAMS12.i/8260L_10/05-03-12/18may12.b/o60381.d
Report Date: 18-May-2012 18:34

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS12.i/8260L_10/05-03-12/18may12.b/o60381.d
Lab Smp Id: LB3 460-112896/1-A
Inj Date : 18-MAY-2012 07:24
Operator : VOAMS 9 Inst ID: VOAMS12.i
Smp Info : LB3 460-112896/1-A
Misc Info :
Comment :
Method : /chem/VOAMS12.i/8260L_10/05-03-12/18may12.b/8260L_10.m
Meth Date : 18-May-2012 04:32 audberto Quant Type: ISTD
Cal Date : 03-MAY-2012 18:57 Cal File: o59879.d
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	5.00000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
	6 Methylene Chloride	84	1.905	1.897	(0.513)	643	0.18428	0.18(a)
$	16 1,2-Dichloroethane-d4 (SUR)	65	3.409	3.409	(0.919)	106835	60.9714	61
*	69 Fluorobenzene	96	3.710	3.703	(1.000)	427537	50.0000	
$	37 Toluene-d8 (SUR)	98	5.386	5.386	(0.740)	356077	51.3407	51
	38 Toluene	91	5.472	5.465	(0.752)	5522	0.39059	0.39(a)
*	32 Chlorobenzene-d5	117	7.277	7.270	(1.000)	340314	50.0000	
$	41 Bromofluorobenzene (SUR)	174	9.075	9.075	(0.830)	131315	47.3536	47
*	91 1,4-Dichlorobenzene-d4	152	10.937	10.937	(1.000)	203850	50.0000	

QC Flag Legend

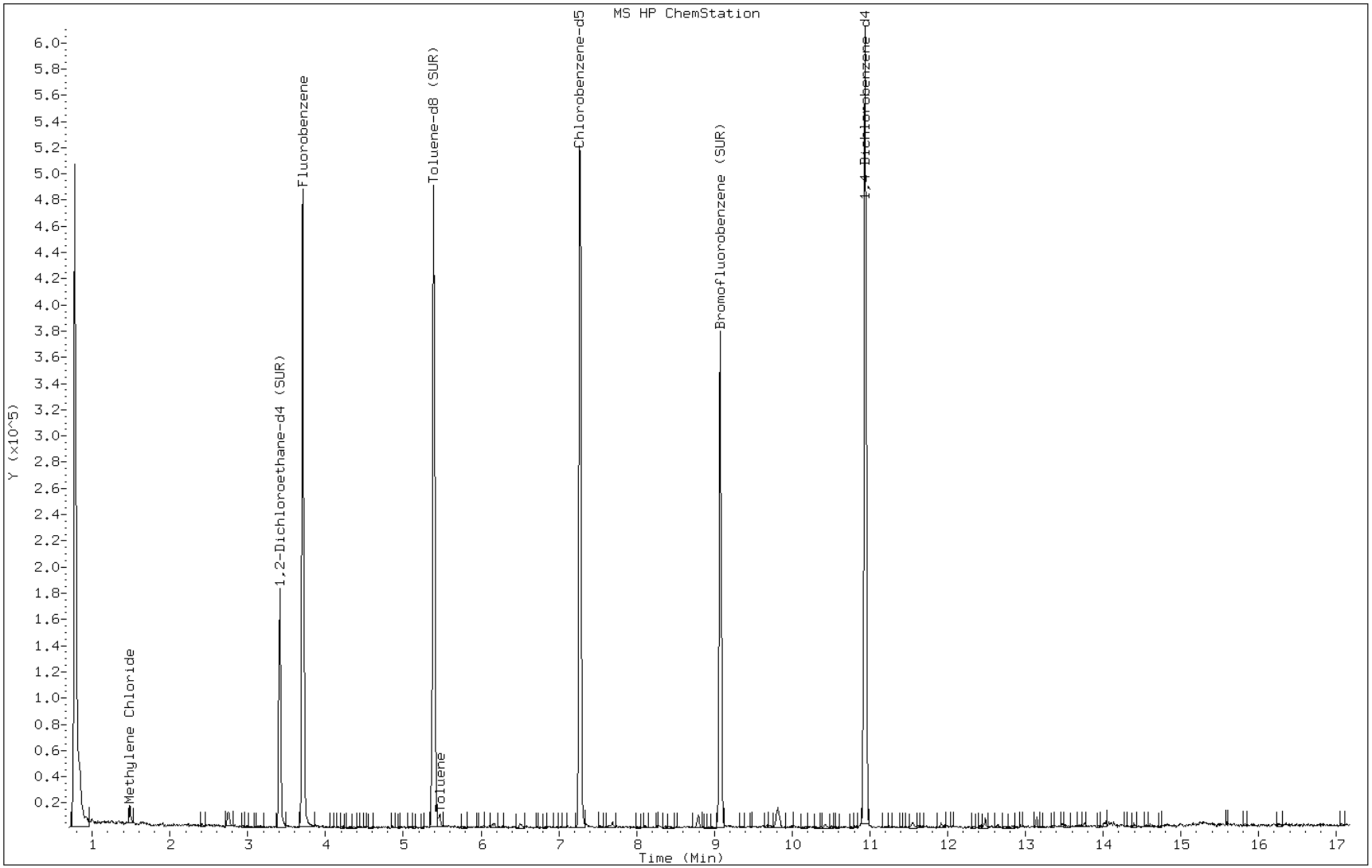
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: o60381.d

Date: 18-MAY-2012 07:24

Client ID: Instrument: VOAMS12.i

Sample Info: LB3 460-112896/1-A Operator: VOAMS 9



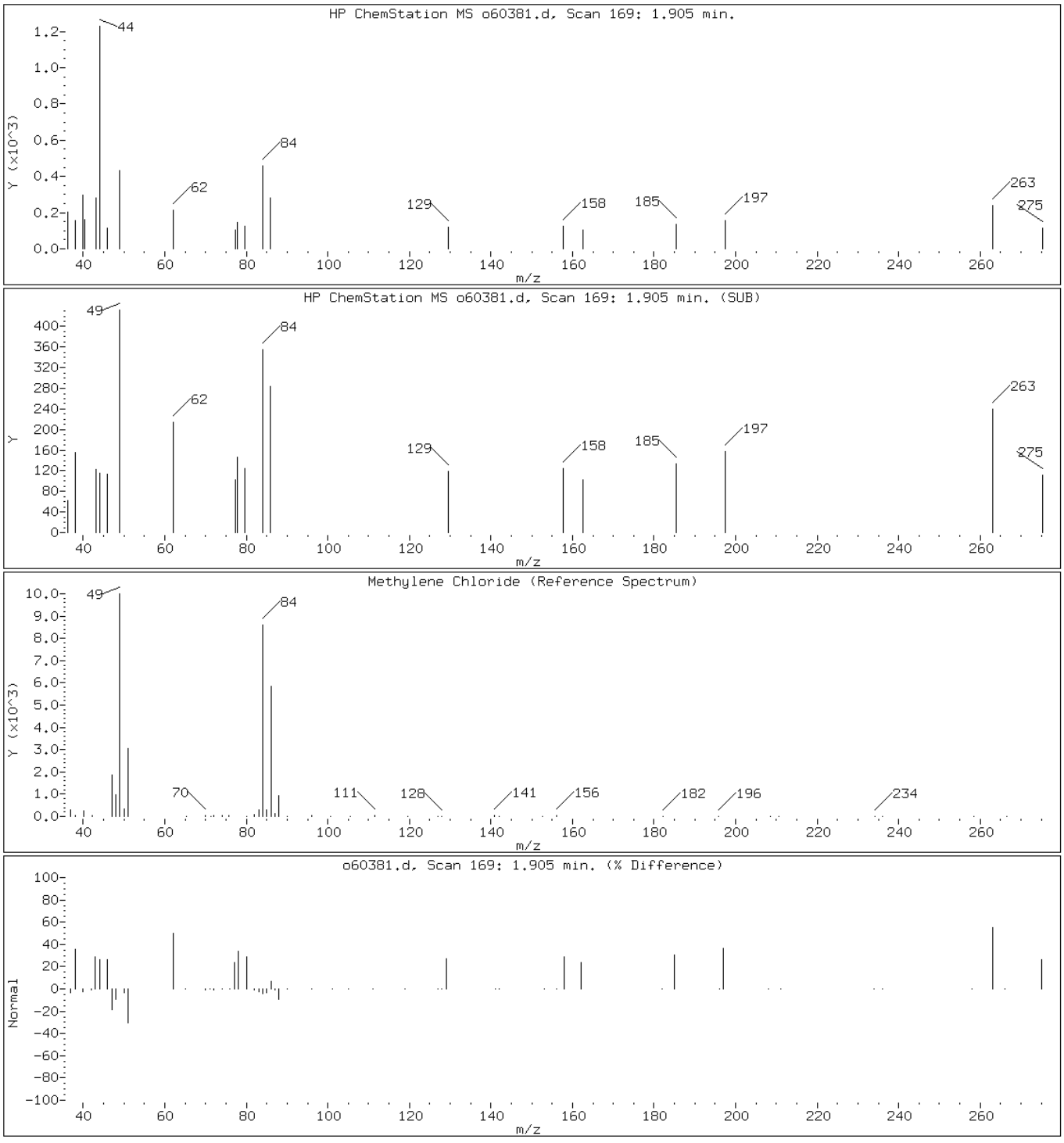
Data File: o60381.d

Date: 18-MAY-2012 07:24

Client ID: Instrument: VOAMS12.i

Sample Info: LB3 460-112896/1-A Operator: VOAMS 9

6 Methylene Chloride



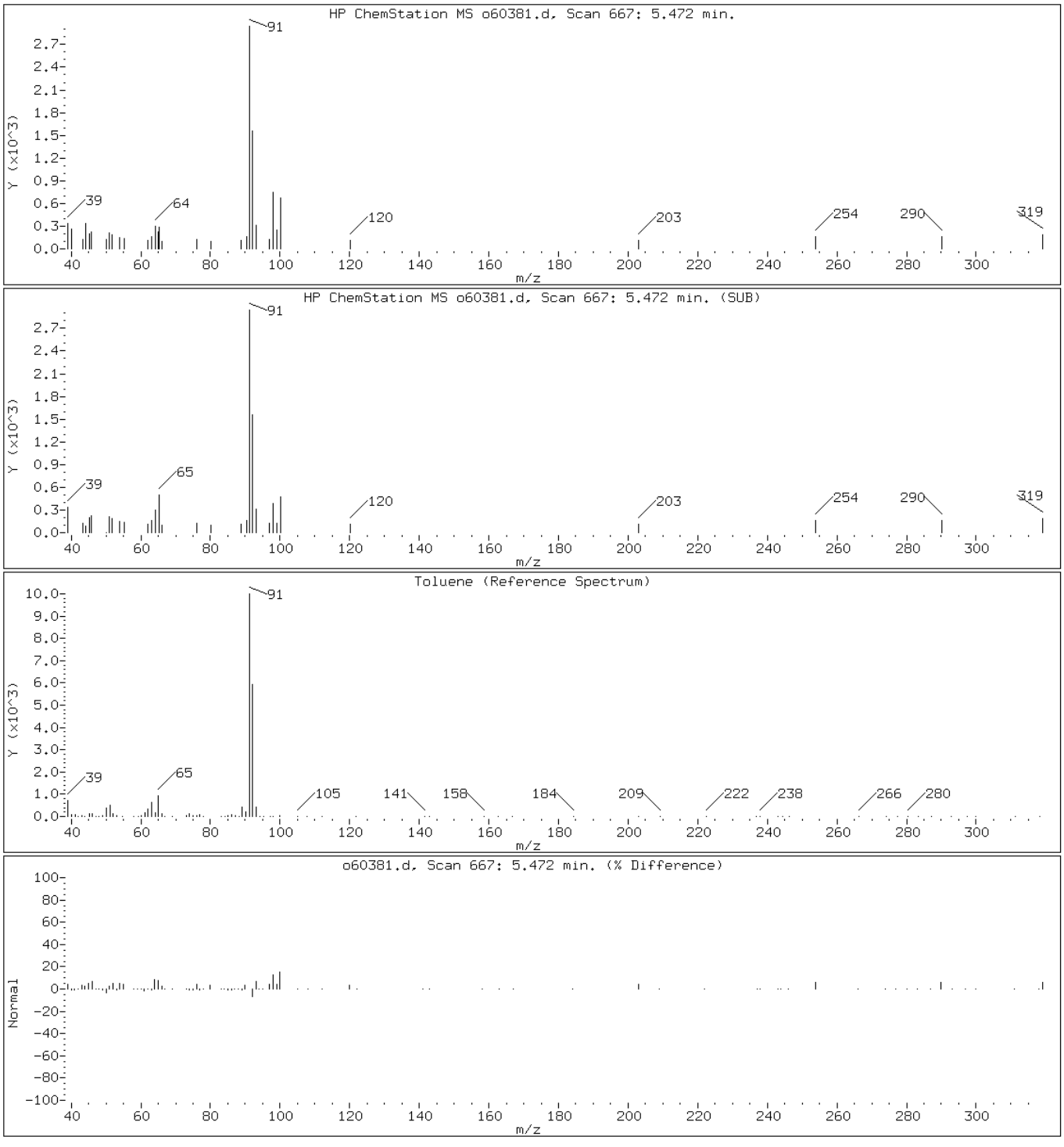
Data File: o60381.d

Date: 18-MAY-2012 07:24

Client ID: Instrument: VOAMS12.i

Sample Info: LB3 460-112896/1-A Operator: VOAMS 9

38 Toluene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 460-112972/3

Matrix: Water Lab File ID: d20723.d

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 05/17/2012 09:18

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 112972 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-15-0	Carbon disulfide	14.3		1.0	0.13
127-18-4	Tetrachloroethene	20.3		1.0	0.10
78-87-5	1,2-Dichloropropane	22.2		1.0	0.090
108-10-1	4-Methyl-2-pentanone	19.3		5.0	0.99
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	13.4		1.0	0.080
124-48-1	Dibromochloromethane	18.4		1.0	0.20
120-82-1	1,2,4-Trichlorobenzene	22.0		1.0	0.34
100-42-5	Styrene	20.4		1.0	0.12
87-61-6	1,2,3-Trichlorobenzene	23.0		1.0	0.51
79-34-5	1,1,2,2-Tetrachloroethane	21.7		1.0	0.16
75-00-3	Chloroethane	22.7		1.0	0.17
78-93-3	2-Butanone	20.6		5.0	2.3
98-82-8	Isopropylbenzene	21.7		1.0	0.080
71-55-6	1,1,1-Trichloroethane	21.4		1.0	0.060
71-43-2	Benzene	21.4		1.0	0.080
10061-01-5	cis-1,3-Dichloropropene	17.9		1.0	0.18
74-97-5	Bromochloromethane	23.3		1.0	0.27
75-25-2	Bromoform	15.7		1.0	0.19
75-34-3	1,1-Dichloroethane	22.5		1.0	0.13
107-06-2	1,2-Dichloroethane	20.9		1.0	0.19
79-00-5	1,1,2-Trichloroethane	20.4		1.0	0.19
67-64-1	Acetone	23.6		5.0	2.7
79-20-9	Methyl acetate	16.3		2.0	0.34
75-71-8	Dichlorodifluoromethane	19.7		1.0	0.22
75-09-2	Methylene Chloride	23.8		1.0	0.18
74-87-3	Chloromethane	23.4		1.0	0.10
74-83-9	Bromomethane	22.4		1.0	0.18
108-88-3	Toluene	20.1		1.0	0.15
95-47-6	o-Xylene	20.9		1.0	0.13
108-90-7	Chlorobenzene	21.4		1.0	0.11
96-12-8	1,2-Dibromo-3-Chloropropane	18.0		1.0	0.40
541-73-1	1,3-Dichlorobenzene	21.3		1.0	0.14
1634-04-4	MTBE	20.4		1.0	0.14
156-60-5	trans-1,2-Dichloroethene	22.4		1.0	0.13
123-91-1	1,4-Dioxane	163		50	36

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 460-112972/3

Matrix: Water Lab File ID: d20723.d

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 05/17/2012 09:18

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 112972 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-35-4	1,1-Dichloroethene	18.4		1.0	0.090
95-50-1	1,2-Dichlorobenzene	21.8		1.0	0.21
79-01-6	Trichloroethene	20.3		1.0	0.090
591-78-6	2-Hexanone	21.2		5.0	0.50
100-41-4	Ethylbenzene	20.9		1.0	0.10
108-87-2	Methylcyclohexane	12.7		1.0	0.14
75-69-4	Trichlorofluoromethane	21.8		1.0	0.15
110-82-7	Cyclohexane	14.2		1.0	0.16
10061-02-6	trans-1,3-Dichloropropene	17.0		1.0	0.24
156-59-2	cis-1,2-Dichloroethene	23.0		1.0	0.18
67-66-3	Chloroform	22.4		1.0	0.080
179601-23-1	m&p-Xylene	41.8		2.0	0.25
75-01-4	Vinyl chloride	19.6		1.0	0.14
106-93-4	1,2-Dibromoethane	20.2		1.0	0.28
56-23-5	Carbon tetrachloride	20.7		1.0	0.060
106-46-7	1,4-Dichlorobenzene	20.8		1.0	0.23
75-27-4	Bromodichloromethane	19.5		1.0	0.12
104-51-8	n-Butylbenzene	18.5		1.0	0.14
95-63-6	1,2,4-Trimethylbenzene	21.8		1.0	0.13
135-98-8	sec-Butylbenzene	22.1		1.0	0.18
103-65-1	N-Propylbenzene	22.1		1.0	0.10
108-67-8	1,3,5-Trimethylbenzene	21.4		1.0	0.15
98-06-6	tert-Butylbenzene	20.7		1.0	0.12
99-87-6	4-Isopropyltoluene	21.3		1.0	0.14

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	Bromofluorobenzene	104		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		70-130
2037-26-5	Toluene-d8 (Surr)	102		70-130

Data File: /chem/VOAMS4.i/8260_09/05-03-12/17may12.b/d20723.d
Report Date: 18-May-2012 12:43

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS4.i/8260_09/05-03-12/17may12.b/d20723.d
Lab Smp Id: LCS
Inj Date : 17-MAY-2012 09:18
Operator : VOA GC/MS4 Inst ID: VOAMS4.i
Smp Info : LCS
Misc Info :
Comment :
Method : /chem/VOAMS4.i/8260_09/05-03-12/17may12.b/8260_09.m
Meth Date : 17-May-2012 08:12 maryb Quant Type: ISTD
Cal Date : 03-MAY-2012 05:45 Cal File: d20305.d
Als bottle: 2 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
2 Dichlorodifluoromethane	85	1.258	1.264	(0.272)	107854	19.7050	20
3 Chloromethane	50	1.364	1.353	(0.295)	162850	23.4038	23
4 Vinyl Chloride	62	1.429	1.423	(0.309)	158588	19.5956	20
6 Bromomethane	94	1.623	1.617	(0.351)	100389	22.4132	22
5 Chloroethane	64	1.676	1.670	(0.363)	82201	22.7349	23
7 Trichlorofluoromethane	101	1.805	1.800	(0.391)	156287	21.7690	22
8 n-Pentane	72	1.753	1.741	(0.379)	7496	14.7406	15
9 Ethanol	46	2.123	2.100	(0.459)	118594	2904.93	2900(R)
10 Isoprene	67	1.952	1.947	(0.422)	95652	15.5184	16
11 Ethyl Ether	59	1.970	1.964	(0.426)	84108	18.4052	18
182 Dichlorofluoromethane	67	1.841	1.835	(0.398)	227216	21.6797	22
13 Acrolein	56	2.329	2.323	(0.504)	47342	45.9026	46
15 1,1-Dichloroethene	96	2.094	2.088	(0.453)	82912	18.4260	18
14 Freon TF	101	2.164	2.158	(0.468)	65194	13.3795	13
16 Acetone	58	2.547	2.535	(0.551)	10706	23.5996	24
17 Iodomethane	142	2.194	2.188	(0.475)	158993	19.7177	20

Data File: /chem/VOAMS4.i/8260_09/05-03-12/17may12.b/d20723.d
Report Date: 18-May-2012 12:43

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	18 Carbon Disulfide	76	2.117	2.105	(0.458)	247934	14.2911	14
	21 Acetonitrile	39	2.882	2.882	(0.623)	91114	488.209	490
	27 Methyl Acetate	43	2.635	2.629	(0.570)	193622	16.2906	16
	22 Methylene Chloride	84	2.500	2.494	(0.541)	117192	23.7832	24
	24 TBA	59	2.817	2.811	(0.609)	213851	352.543	350
	25 trans-1,2-Dichloroethene	96	2.611	2.600	(0.565)	94319	22.4108	22
	26 Acrylonitrile	53	3.111	3.105	(0.673)	44666	24.3783	24
	28 MTBE	73	2.717	2.705	(0.588)	294932	20.3553	20
	29 Hexane	56	2.664	2.652	(0.576)	50023	15.3950	15
	30 1,1-Dichloroethane	63	3.064	3.058	(0.663)	173242	22.4861	22
	31 Vinyl Acetate	43	3.282	3.270	(0.710)	221646	21.7259	22
	32 DIPE	45	2.999	2.988	(0.649)	339887	21.3012	21
	34 n-Propanol	42	3.352	3.341	(0.725)	104848	2982.61	3000
	35 t-Butyl-ethyl-ether	87	3.282	3.276	(0.710)	117003	20.3743	20
	37 2,2-Dichloropropane	77	3.599	3.588	(0.779)	134382	19.3114	19
	36 cis-1,2-Dichloroethene	96	3.494	3.488	(0.756)	106838	22.9513	23
	38 2-Butanone	72	4.005	3.999	(0.866)	17176	20.6376	21
	39 Ethyl Acetate	70	3.858	3.852	(0.835)	20417	38.1401	38
	40 Bromochloromethane	128	3.658	3.652	(0.791)	53529	23.2706	23
	41 Tetrahydrofuran	42	3.864	3.852	(0.836)	46790	21.3781	21
	42 Chloroform	83	3.735	3.723	(0.808)	175212	22.4204	22
	43 1,1,1-Trichloroethane	97	3.905	3.899	(0.845)	152797	21.4361	21
	44 Cyclohexane	56	3.658	3.658	(0.791)	114089	14.2469	14
	45 Carbon Tetrachloride	117	3.841	3.835	(0.831)	133548	20.6744	21
	46 1,1-Dichloropropene	75	3.999	3.994	(0.865)	129464	21.4031	21
$	47 1,2-Dichloroethane-d4 (SUR)	65	4.352	4.352	(0.941)	221674	49.4962	49
	48 Benzene	78	4.223	4.217	(0.527)	368653	21.4070	21
	49 1,2-Dichloroethane	62	4.417	4.411	(0.955)	130351	20.9274	21
	51 n-Heptane	57	4.211	4.211	(0.911)	32741	11.4458	11(R)
	50 t-Amyl-methyl-ether	73	4.364	4.364	(0.944)	251755	18.6057	19
	61 Isopropyl Acetate	43	4.711	4.705	(1.019)	355080	37.7661	38
*	52 Fluorobenzene	96	4.623	4.617	(1.000)	626684	50.0000	
	54 Trichloroethene	95	4.788	4.788	(1.036)	87920	20.2946	20
	53 n-Butanol	41	5.223	5.217	(1.130)	116573	1217.81	1200
	56 Methyl cyclohexane	83	4.776	4.776	(1.033)	94912	12.6585	13
	55 Ethyl Acrylate	55	5.399	5.399	(1.168)	104714	18.7348	19
	57 1,2-Dichloropropane	63	5.317	5.317	(1.150)	94039	22.1545	22
	58 Dibromomethane	93	5.211	5.211	(1.127)	59934	21.6082	22
	60 1,4-Dioxane	88	5.641	5.635	(1.220)	8532	163.454	160
	59 Methyl Methacrylate	100	5.629	5.623	(1.218)	21634	19.9924	20
	75 Propyl Acetate	43	5.799	5.799	(1.254)	253098	38.9318	39
	68 Bromodichloromethane	83	5.411	5.411	(1.170)	108270	19.5424	20
	62 2-Chloroethyl Vinyl Ether	63	6.093	6.088	(1.318)	54261	19.7544	20
	63 Epichlorohydrin	57	6.440	6.435	(0.804)	188494	374.623	370
	67 cis-1,3-Dichloropropene	75	6.123	6.123	(0.764)	118696	17.9228	18
	70 4-Methyl-2-Pentanone	43	6.905	6.905	(0.862)	98598	19.2693	19
$	65 Toluene-d8 (SUR)	98	6.340	6.340	(0.791)	592764	51.1982	51

Data File: /chem/VOAMS4.i/8260_09/05-03-12/17may12.b/d20723.d
Report Date: 18-May-2012 12:43

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
66	Toluene	91	6.399	6.399	(0.799)	367064	20.1247	20
64	trans-1,3-Dichloropropene	75	6.929	6.929	(0.865)	99235	17.0357	17
69	1,1,2-Trichloroethane	83	7.099	7.099	(0.886)	63707	20.4192	20
71	Tetrachloroethene	166	6.852	6.852	(0.855)	84503	20.2731	20
72	1,3-Dichloropropane	76	7.376	7.376	(0.921)	127857	20.7468	21
73	2-Hexanone	43	7.799	7.793	(0.974)	71814	21.2418	21
74	Dibromochloromethane	129	7.276	7.276	(0.908)	69555	18.3672	18
76	Butyl Acetate	73	7.740	7.740	(0.966)	44528	37.6388	38
77	1,2-Dibromoethane	107	7.487	7.487	(0.935)	73917	20.1811	20
* 78	Chlorobenzene-d5	117	8.011	8.011	(1.000)	435983	50.0000	
79	Chlorobenzene	112	8.023	8.023	(1.001)	223251	21.4021	21
80	1,1,1,2-Tetrachloroethane	131	8.099	8.099	(1.011)	84016	19.9172	20
81	Ethylbenzene	106	8.076	8.076	(1.008)	121180	20.8677	21
82	m+p-Xylene	106	8.217	8.217	(1.026)	300528	41.8304	42
84	o-Xylene	106	8.593	8.593	(1.073)	156310	20.9207	21
85	Styrene	104	8.640	8.640	(1.079)	240147	20.3665	20
83	Butyl Acrylate	73	8.805	8.805	(1.099)	58620	17.8614	18
86	Bromoform	173	8.640	8.640	(1.079)	43284	15.7269	16
88	Isopropylbenzene	105	8.870	8.870	(1.107)	429724	21.7193	22
$ 89	Bromofluorobenzene (SUR)	174	9.087	9.087	(0.912)	205551	52.0243	52
90	Camphene (total)	41	8.952	8.952	(1.117)	24072	11.5152	12
91	Bromobenzene	156	9.158	9.158	(0.919)	98085	21.1585	21
92	1,1,2,2-Tetrachloroethane	83	9.287	9.287	(0.932)	111352	21.6734	22
93	1,2,3-Trichloropropane	110	9.376	9.370	(0.940)	31884	21.2397	21
94	trans-1,4-Dichloro-2-butene	53	9.381	9.381	(0.941)	11106	17.1383	17
95	n-Propylbenzene	91	9.217	9.217	(0.924)	493960	22.0724	22
96	2-Chlorotoluene	91	9.323	9.323	(0.935)	297228	21.5864	22
97	1,3,5-Trimethylbenzene	105	9.381	9.381	(0.941)	357596	21.3571	21
98	4-Chlorotoluene	91	9.458	9.458	(0.949)	289234	21.2475	21
99	Butyl Methacrylate	87	9.646	9.646	(0.968)	112764	19.1443	19
100	tert-Butylbenzene	119	9.623	9.623	(0.965)	288824	20.6695	21
101	1,2,4-Trimethylbenzene	105	9.681	9.681	(0.971)	366822	21.7928	22
103	sec-Butylbenzene	105	9.764	9.764	(0.979)	470672	22.1016	22
105	1,3-Dichlorobenzene	146	9.905	9.911	(0.994)	191030	21.3154	21
107	p-Isopropyltoluene	119	9.881	9.881	(0.991)	380840	21.2895	21
* 108	1,4-Dichlorobenzene-d4	152	9.970	9.970	(1.000)	239284	50.0000	
109	1,4-Dichlorobenzene	146	9.976	9.981	(1.001)	191929	20.7501	21
110	Benzyl Chloride	126	10.175	10.176	(1.021)	23444	12.4259	12(R)
106	n-Butylbenzene	91	10.193	10.193	(1.022)	499012	18.4857	18
111	1,2-Dichlorobenzene	146	10.287	10.293	(1.032)	195727	21.7518	22
112	1,2-Dibromo-3-chloropropane	75	10.881	10.881	(1.091)	16933	18.0376	18
113	Camphor	95	11.593	11.593	(1.163)	58394	89.2463	89
114	1,2,4-Trichlorobenzene	180	11.370	11.370	(1.140)	152806	21.9969	22
115	Hexachlorobutadiene	225	11.352	11.358	(1.139)	68613	20.2390	20
116	Naphthalene	128	11.617	11.617	(1.165)	358350	22.9441	23
117	1,2,3-Trichlorobenzene	180	11.764	11.770	(1.180)	140857	23.0143	23
M 120	1,2-Dichloroethene (Total)	100				201157	45.3621	45

Data File: /chem/VOAMS4.i/8260_09/05-03-12/17may12.b/d20723.d
Report Date: 18-May-2012 12:43

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
M 121 Xylene (Total)	100				456838	62.7511	63

QC Flag Legend

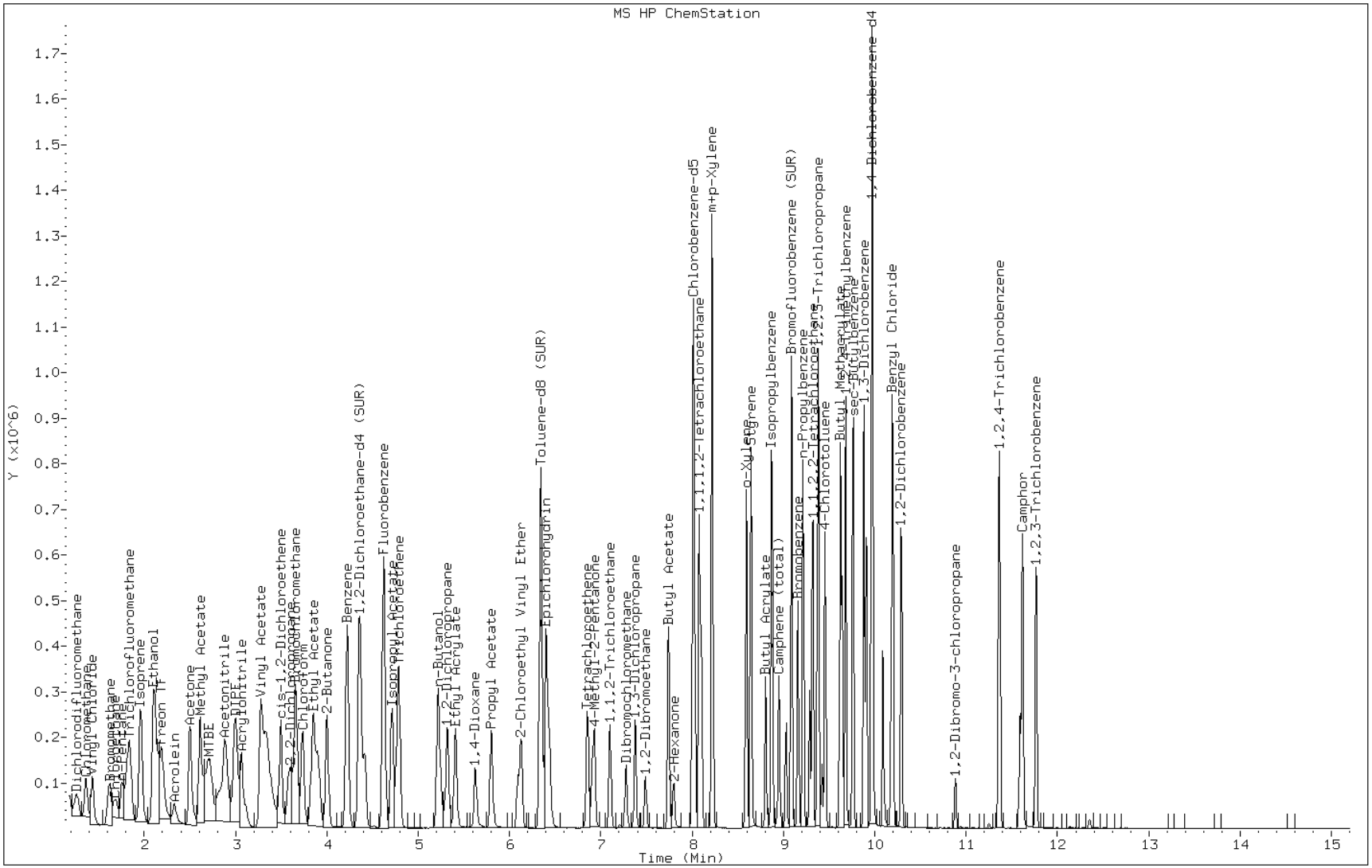
R - Spike/Surrogate failed recovery limits.

Data File: d20723.d

Date: 17-MAY-2012 09:18

Client ID: Instrument: VOAMS4.i

Sample Info: LCS Operator: VOA GC/MS4



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 460-113081/3

Matrix: Solid Lab File ID: o60376.d

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 05/18/2012 04:28

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 113081 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-15-0	Carbon disulfide	20.7		1.0	0.15
127-18-4	Tetrachloroethene	21.3		1.0	0.12
78-87-5	1,2-Dichloropropane	18.7		1.0	0.15
108-10-1	4-Methyl-2-pentanone	14.5		10	0.20
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	22.6		1.0	0.11
124-48-1	Dibromochloromethane	19.7		1.0	0.10
120-82-1	1,2,4-Trichlorobenzene	17.4		1.0	0.19
100-42-5	Styrene	19.9		1.0	0.28
87-61-6	1,2,3-Trichlorobenzene	17.7		1.0	0.16
79-34-5	1,1,2,2-Tetrachloroethane	21.1		1.0	0.090
75-00-3	Chloroethane	24.3		1.0	0.33
78-93-3	2-Butanone	19.0		10	0.63
98-82-8	Isopropylbenzene	20.1		1.0	0.11
71-55-6	1,1,1-Trichloroethane	20.5		1.0	0.13
71-43-2	Benzene	18.9		1.0	0.15
10061-01-5	cis-1,3-Dichloropropene	18.8		1.0	0.14
74-97-5	Bromochloromethane	19.3		1.0	0.11
75-25-2	Bromoform	17.7		1.0	0.17
75-34-3	1,1-Dichloroethane	20.0		1.0	0.11
107-06-2	1,2-Dichloroethane	18.1		1.0	0.18
79-00-5	1,1,2-Trichloroethane	20.6		1.0	0.14
67-64-1	Acetone	23.1		10	1.7
79-20-9	Methyl acetate	20.2		1.0	0.32
75-71-8	Dichlorodifluoromethane	23.0		1.0	0.22
75-09-2	Methylene Chloride	20.4		1.0	0.15
74-87-3	Chloromethane	24.9		1.0	0.16
74-83-9	Bromomethane	20.5		1.0	0.43
108-88-3	Toluene	20.6		1.0	0.14
95-47-6	o-Xylene	20.1		1.0	0.19
108-90-7	Chlorobenzene	18.9		1.0	0.18
96-12-8	1,2-Dibromo-3-Chloropropane	15.2		1.0	0.44
541-73-1	1,3-Dichlorobenzene	19.0		1.0	0.16
1634-04-4	MTBE	19.7		1.0	0.11
156-60-5	trans-1,2-Dichloroethene	20.7		1.0	0.13
123-91-1	1,4-Dioxane	138		50	13

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 460-113081/3

Matrix: Solid Lab File ID: o60376.d

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 05/18/2012 04:28

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 113081 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-35-4	1,1-Dichloroethene	21.2		1.0	0.19
95-50-1	1,2-Dichlorobenzene	18.1		1.0	0.10
79-01-6	Trichloroethene	20.8		1.0	0.12
591-78-6	2-Hexanone	15.2		10	0.13
100-41-4	Ethylbenzene	19.1		1.0	0.17
108-87-2	Methylcyclohexane	20.6		1.0	0.10
75-69-4	Trichlorofluoromethane	22.3		1.0	0.16
110-82-7	Cyclohexane	21.1		1.0	0.13
10061-02-6	trans-1,3-Dichloropropene	19.2		1.0	0.10
156-59-2	cis-1,2-Dichloroethene	22.3		1.0	0.11
67-66-3	Chloroform	21.3		1.0	0.24
179601-23-1	m&p-Xylene	44.9		2.0	0.59
75-01-4	Vinyl chloride	23.4		1.0	0.34
106-93-4	1,2-Dibromoethane	18.8		1.0	0.15
56-23-5	Carbon tetrachloride	19.9		1.0	0.15
106-46-7	1,4-Dichlorobenzene	18.5		1.0	0.11
75-27-4	Bromodichloromethane	18.3		1.0	0.32
104-51-8	n-Butylbenzene	19.4		1.0	0.080
95-63-6	1,2,4-Trimethylbenzene	19.9		1.0	0.15
135-98-8	sec-Butylbenzene	19.9		1.0	0.13
103-65-1	N-Propylbenzene	22.1		1.0	0.15
108-67-8	1,3,5-Trimethylbenzene	21.9		1.0	0.12
98-06-6	tert-Butylbenzene	20.9		1.0	0.12
99-87-6	p-Isopropyltoluene	19.0		1.0	0.14

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	Bromofluorobenzene	97		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	121		70-130
2037-26-5	Toluene-d8 (Surr)	112		70-130

Data File: /chem/VOAMS12.i/8260L_10/05-03-12/18may12.b/o60376.d
Report Date: 18-May-2012 04:56

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS12.i/8260L_10/05-03-12/18may12.b/o60376.d
Lab Smp Id: LCS
Inj Date : 18-MAY-2012 04:28
Operator : VOAMS 9 Inst ID: VOAMS12.i
Smp Info : LCS
Misc Info :
Comment :
Method : /chem/VOAMS12.i/8260L_10/05-03-12/18may12.b/8260L_10.m
Meth Date : 18-May-2012 04:32 audberto Quant Type: ISTD
Cal Date : 03-MAY-2012 18:57 Cal File: o59879.d
Als bottle: 2 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	5.00000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
M 14	1,2-Dichloroethene (total)	100				206014	43.0369	43
90	Dichlorodifluoromethane	85	0.866	0.866	(0.234)	104016	23.0065	23
1	Chloromethane	50	0.980	0.981	(0.265)	126882	24.9297	25
4	Vinyl Chloride	62	1.009	1.009	(0.273)	129837	23.3895	23
3	Bromomethane	94	1.167	1.167	(0.315)	68647	20.4868	20
5	Chloroethane	64	1.217	1.217	(0.329)	72808	24.2847	24
9	Trichlorofluoromethane	101	1.339	1.339	(0.362)	171298	22.2868	22
46	Ethyl Ether	59	1.496	1.496	(0.404)	63587	21.5324	22
119	Isoprene	67	1.503	1.503	(0.406)	124440	22.5023	22
47	Acrolein	56	1.568	1.568	(0.423)	158973	269.787	270
10	1,1-Dichloroethene	96	1.618	1.611	(0.437)	80544	21.1557	21
48	Freon TF	101	1.618	1.611	(0.437)	98701	22.6313	23
7	Acetone	43	1.654	1.654	(0.447)	20896	23.1068	23
142	Iodomethane	142	1.704	1.704	(0.460)	125055	24.0717	24

Data File: /chem/VOAMS12.i/8260L_10/05-03-12/18may12.b/o60376.d
Report Date: 18-May-2012 04:56

		QUANT SIG					CONCENTRATIONS ON-COLUMN	FINAL
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/Kg)
8	Carbon Disulfide	76	1.733	1.733	(0.468)	277003	20.7407	21
50	Acetonitrile	41	1.819	1.819	(0.491)	188536	443.115	440
125	Methyl acetate	74	1.840	1.840	(0.497)	12858	20.2390	20
6	Methylene Chloride	84	1.897	1.897	(0.512)	92728	20.3818	20
51	TBA	59	1.983	1.983	(0.536)	127686	346.347	350
52	Acrylonitrile	53	2.055	2.055	(0.555)	208926	155.957	160
12	trans-1,2-Dichloroethene	96	2.062	2.055	(0.557)	96825	20.7388	21
53	MTBE	73	2.062	2.062	(0.557)	186649	19.7100	20
54	Hexane	56	2.227	2.227	(0.601)	74833	24.6877	25
11	1,1-Dichloroethane	63	2.334	2.334	(0.630)	168937	19.9517	20
57	Vinyl Acetate	43	2.377	2.377	(0.642)	207758	18.8139	19
55	DIPE	45	2.384	2.385	(0.644)	237295	19.6262	20
149	tert-Butyl ethyl ether	59	2.642	2.642	(0.714)	203090	18.7521	19
157	Dichlorofluoromethane	67	1.317	1.317	(0.356)	180788	24.7794	25
104	2,2-Dichloropropane	77	2.743	2.743	(0.741)	146025	22.4715	22
13	cis-1,2-Dichloroethene	96	2.750	2.750	(0.743)	109188	22.2981	22
18	2-Butanone	72	2.778	2.771	(0.750)	7968	18.9988	19
56	Ethyl Acetate	70	2.829	2.829	(0.764)	11506	36.3525	36
108	Bromochloromethane	128	2.929	2.929	(0.791)	38165	19.3153	19
15	Chloroform	83	3.000	3.001	(0.810)	156790	21.3369	21
20	1,1,1-Trichloroethane	97	3.129	3.129	(0.845)	133941	20.5190	20
59	Cyclohexane	56	3.165	3.165	(0.855)	154846	21.0580	21
21	Carbon Tetrachloride	117	3.265	3.266	(0.882)	109387	19.9010	20
92	1,1-Dichloropropene	75	3.265	3.266	(0.882)	119400	19.7611	20
$ 16	1,2-Dichloroethane-d4 (SUR)	65	3.409	3.409	(0.921)	138610	60.6690	61
28	Benzene	78	3.445	3.445	(0.930)	315594	18.9226	19
17	1,2-Dichloroethane	62	3.473	3.473	(0.938)	84969	18.1476	18
61	Isopropyl Acetate	43	3.566	3.559	(0.963)	215250	35.0861	35
140	tert-Amylmethyl Ether	73	3.566	3.566	(0.963)	146340	17.6801	18
* 69	Fluorobenzene	96	3.702	3.703	(1.000)	557462	50.0000	
25	Trichloroethene	95	4.053	4.054	(1.095)	84686	20.8045	21
126	Methyl cyclohexane	83	4.225	4.225	(1.141)	147985	20.6026	21
23	1,2-Dichloropropane	63	4.283	4.283	(1.157)	72897	18.7442	19
109	Dibromomethane	93	4.397	4.397	(1.188)	46109	20.4516	20
95	1,4-Dioxane	88	4.455	4.447	(1.203)	6324	138.159	140
146	Methyl methacrylate	69	4.455	4.455	(1.203)	37427	19.9629	20
64	Propyl Acetate	43	4.541	4.533	(1.226)	135913	35.2798	35
22	Bromodichloromethane	83	4.591	4.584	(1.240)	92042	18.3497	18
30	2-Chloroethyl Vinyl Ether	63	4.963	4.963	(1.340)	33228	17.8611	18
118	Epichlorohydrin	57	5.013	5.013	(1.354)	124122	386.736	390
24	cis-1,3-Dichloropropene	75	5.092	5.092	(1.375)	110188	18.8182	19
33	4-Methyl-2-Pentanone	43	5.314	5.314	(1.435)	44069	14.4641	14
$ 37	Toluene-d8 (SUR)	98	5.386	5.386	(0.741)	448316	55.9294	56
38	Toluene	91	5.465	5.465	(0.752)	337124	20.6326	21
29	trans-1,3-Dichloropropene	75	5.787	5.787	(0.796)	103468	19.2021	19
27	1,1,2-Trichloroethane	83	6.009	6.009	(0.827)	47562	20.5882	20
35	Tetrachloroethene	166	6.138	6.131	(0.844)	96756	21.3374	21

Data File: /chem/VOAMS12.i/8260L_10/05-03-12/18may12.b/o60376.d
Report Date: 18-May-2012 04:56

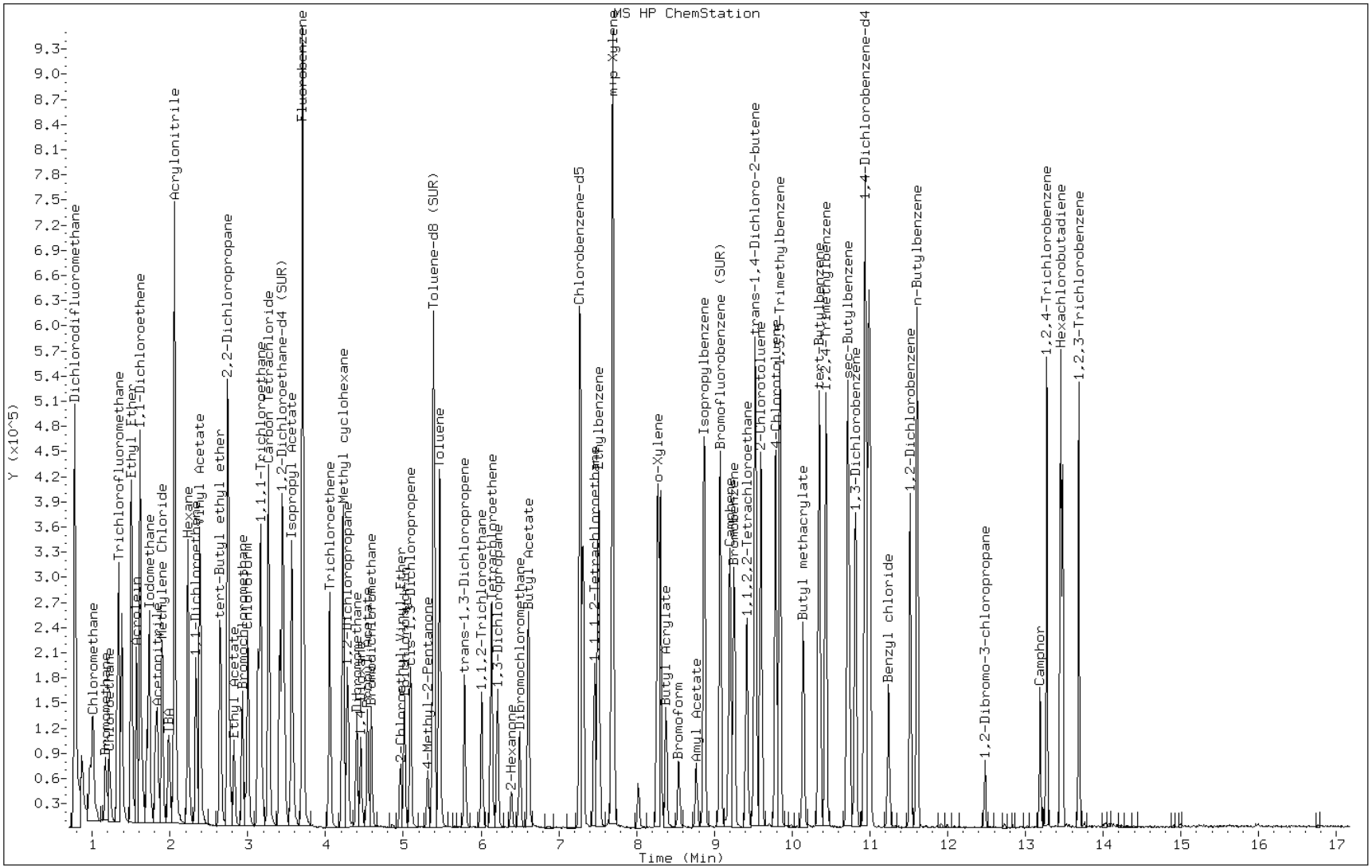
							CONCENTRATIONS	
		QUANT SIG					ON-COLUMN	FINAL
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/Kg)
	103 1,3-Dichloropropane	76	6.210	6.210	(0.854)	101730	20.1087	20
	34 2-Hexanone	43	6.389	6.389	(0.879)	30326	15.1908	15
	26 Dibromochloromethane	129	6.496	6.496	(0.894)	66525	19.7314	20
	65 Butyl Acetate	43	6.611	6.604	(0.909)	144119	35.3835	35
	66 1,2-Dibromoethane	107	6.611	6.611	(0.909)	53080	18.7975	19
*	32 Chlorobenzene-d5	117	7.270	7.270	(1.000)	393317	50.0000	
	39 Chlorobenzene	112	7.313	7.313	(1.006)	209707	18.9229	19
	97 1,1,1,2-Tetrachloroethane	131	7.463	7.456	(1.027)	65261	18.4198	18
	40 Ethylbenzene	106	7.513	7.513	(1.034)	113922	19.0853	19
	43 m+p-Xylene	106	7.692	7.692	(1.058)	331118	44.9270	45
	44 o-Xylene	106	8.272	8.273	(1.138)	140670	20.0598	20
	42 Styrene	104	8.308	8.308	(1.143)	233670	19.8832	20
	147 Butyl Acrylate	55	8.380	8.380	(0.766)	103513	18.5880	18
	31 Bromoform	173	8.545	8.545	(1.175)	40502	17.7015	18
	145 Amyl Acetate	43	8.767	8.767	(1.206)	51080	17.5756	18
	110 Isopropylbenzene	105	8.867	8.867	(1.220)	397082	20.1235	20
$	41 Bromofluorobenzene (SUR)	174	9.075	9.075	(0.830)	161584	48.5823	48
	150 Camphene	41	9.204	9.197	(0.842)	32070	18.6594	19
	107 Bromobenzene	156	9.254	9.254	(0.846)	103856	20.2049	20
	36 1,1,2,2-Tetrachloroethane	83	9.411	9.411	(0.860)	88145	21.1031	21
	99 1,2,3-Trichloropropane	110	9.419	9.419	(0.861)	24852	20.6825	21
	143 trans-1,4-Dichloro-2-butene	53	9.505	9.505	(2.567)	25410	21.2671	21
	112 n-Propylbenzene	91	9.526	9.526	(0.871)	564561	22.0903	22
	105 2-Chlorotoluene	91	9.598	9.598	(0.878)	311163	21.8214	22
	106 4-Chlorotoluene	91	9.791	9.784	(0.895)	312010	21.1936	21
	102 1,3,5-Trimethylbenzene	105	9.841	9.841	(0.900)	376676	21.9172	22
	148 Butyl methacrylate	69	10.142	10.142	(0.927)	102273	16.9605	17
	115 tert-Butylbenzene	119	10.350	10.350	(0.946)	332421	20.9159	21
	100 1,2,4-Trimethylbenzene	105	10.436	10.436	(0.954)	355173	19.8872	20
	114 sec-Butylbenzene	105	10.715	10.715	(0.980)	477279	19.9178	20
	67 1,3-Dichlorobenzene	146	10.815	10.815	(0.989)	199532	19.0172	19
*	91 1,4-Dichlorobenzene-d4	152	10.937	10.937	(1.000)	244495	50.0000	
	68 1,4-Dichlorobenzene	146	10.973	10.973	(1.003)	193768	18.5306	18
	113 p-Isopropyltoluene	119	10.994	11.002	(1.005)	391302	19.0337	19
	69 1,2-Dichlorobenzene	146	11.517	11.517	(1.053)	175917	18.0524	18
	117 Benzyl chloride	91	11.238	11.238	(1.028)	130707	17.8397	18
	111 n-Butylbenzene	91	11.603	11.603	(1.061)	379296	19.4470	19
	101 1,2-Dibromo-3-chloropropane	75	12.477	12.484	(1.141)	12724	15.2319	15
	152 Camphor	95	13.186	13.186	(1.206)	34396	67.1131	67
	93 1,2,4-Trichlorobenzene	180	13.272	13.280	(1.214)	138337	17.4070	17
	94 Hexachlorobutadiene	225	13.451	13.451	(1.230)	91723	18.3038	18
	70 Naphthalene	128	13.480	13.480	(1.232)	250077	16.8080	17
	98 1,2,3-Trichlorobenzene	180	13.688	13.688	(1.251)	127070	17.7299	18
M	45 Xylene (Total)	100				471789	65.0658	65

Data File: o60376.d

Date: 18-MAY-2012 04:28

Client ID: Instrument: VOAMS12.i

Sample Info: LCS Operator: VOAMS 9



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 460-113082/3

Matrix: Solid Lab File ID: b42250.d

Analysis Method: 8260B Date Collected:

Sample wt/vol: 2.5(mL) Date Analyzed: 05/18/2012 04:39

Soil Aliquot Vol: 2.5 (mL) Dilution Factor: 50

Soil Extract Vol.: 5(mL) GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Medium

Analysis Batch No.: 113082 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-15-0	Carbon disulfide	2260		100	13
127-18-4	Tetrachloroethene	2220		100	9.7
78-87-5	1,2-Dichloropropane	2140		100	8.6
108-10-1	4-Methyl-2-pentanone	1930		500	99
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	2170		100	8.2
124-48-1	Dibromochloromethane	2230		100	20
120-82-1	1,2,4-Trichlorobenzene	1930		100	34
100-42-5	Styrene	2140		100	12
87-61-6	1,2,3-Trichlorobenzene	1810		100	51
79-34-5	1,1,2,2-Tetrachloroethane	1970		100	16
75-00-3	Chloroethane	2300		100	17
78-93-3	2-Butanone	2030		500	230
98-82-8	Isopropylbenzene	2210		100	7.7
71-55-6	1,1,1-Trichloroethane	2240		100	6.2
71-43-2	Benzene	2120		100	8.3
10061-01-5	cis-1,3-Dichloropropene	2100		100	18
74-97-5	Bromochloromethane	2100		100	27
75-25-2	Bromoform	1950		100	19
75-34-3	1,1-Dichloroethane	2190		100	13
107-06-2	1,2-Dichloroethane	2140		100	19
79-00-5	1,1,2-Trichloroethane	2090		100	19
67-64-1	Acetone	2310		500	270
79-20-9	Methyl acetate	2230		200	34
75-71-8	Dichlorodifluoromethane	2220		100	22
75-09-2	Methylene Chloride	2080		100	18
74-87-3	Chloromethane	1990		100	9.7
74-83-9	Bromomethane	2170		100	18
108-88-3	Toluene	2040		100	15
95-47-6	o-Xylene	2070		100	13
108-90-7	Chlorobenzene	2090		100	11
96-12-8	1,2-Dibromo-3-Chloropropane	1880		100	40
541-73-1	1,3-Dichlorobenzene	2070		100	14
1634-04-4	MTBE	1920		100	14
156-60-5	trans-1,2-Dichloroethene	2140		100	13
123-91-1	1,4-Dioxane	15500		5000	3600

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 460-113082/3

Matrix: Solid Lab File ID: b42250.d

Analysis Method: 8260B Date Collected:

Sample wt/vol: 2.5(mL) Date Analyzed: 05/18/2012 04:39

Soil Aliquot Vol: 2.5 (mL) Dilution Factor: 50

Soil Extract Vol.: 5(mL) GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Medium

Analysis Batch No.: 113082 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-35-4	1,1-Dichloroethene	2070		100	8.8
95-50-1	1,2-Dichlorobenzene	2050		100	21
79-01-6	Trichloroethene	2120		100	9.2
591-78-6	2-Hexanone	1660		500	50
100-41-4	Ethylbenzene	2060		100	9.6
108-87-2	Methylcyclohexane	1940		100	14
75-69-4	Trichlorofluoromethane	2180		100	15
110-82-7	Cyclohexane	1930		100	16
10061-02-6	trans-1,3-Dichloropropene	2010		100	24
156-59-2	cis-1,2-Dichloroethene	2060		100	18
67-66-3	Chloroform	2110		100	7.9
179601-23-1	m&p-Xylene	4280		200	25
75-01-4	Vinyl chloride	2020		100	14
106-93-4	1,2-Dibromoethane	2060		100	28
56-23-5	Carbon tetrachloride	1930		100	5.7
106-46-7	1,4-Dichlorobenzene	2030		100	23
75-27-4	Bromodichloromethane	2160		100	13
104-51-8	n-Butylbenzene	1830		100	14
95-63-6	1,2,4-Trimethylbenzene	2080		100	13
135-98-8	sec-Butylbenzene	1940		100	18
103-65-1	N-Propylbenzene	2060		100	9.5
108-67-8	1,3,5-Trimethylbenzene	2080		100	15
98-06-6	tert-Butylbenzene	1830		100	12
99-87-6	p-Isopropyltoluene	1870		100	14

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	109		75-135
2037-26-5	Toluene-d8 (Surr)	109		59-150

Data File: /chem/VOAMS2.i/8260_09/04-24-12/18may12.b/b42250.d
Report Date: 18-May-2012 05:03

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS2.i/8260_09/04-24-12/18may12.b/b42250.d
Lab Smp Id: LCS
Inj Date : 18-MAY-2012 04:39
Operator : VOA GC/MS2 Inst ID: VOAMS2.i
Smp Info : LCS
Misc Info :
Comment :
Method : /chem/VOAMS2.i/8260_09/04-24-12/18may12.b/8260_09.m
Meth Date : 18-May-2012 04:40 audberto Quant Type: ISTD
Cal Date : 24-APR-2012 23:35 Cal File: b41439.d
Als bottle: 2 QC Sample: METHSPIKE
Dil Factor: 50.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * (Vt/Ws)/((100-M)/100) * CpndVariable

Name	Value	Description
DF	50.00000	Dilution Factor
Vt	10.00000	Volume of final extract (mL)
Ws	5.00000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
2 Dichlorodifluoromethane	85	1.127	1.127	(0.220)	61028	22.1718	2200
3 Chloromethane	50	1.258	1.258	(0.246)	57881	19.8939	2000
4 Vinyl Chloride	62	1.357	1.357	(0.265)	62751	20.2430	2000
6 Bromomethane	94	1.612	1.612	(0.315)	29665	21.7387	2200
5 Chloroethane	64	1.678	1.678	(0.328)	26912	22.9806	2300
7 Trichlorofluoromethane	101	1.859	1.859	(0.363)	85548	21.7507	2200
9 Ethanol	46	2.090	2.090	(0.408)	53084	3496.72	350000
11 Ethyl Ether	59	2.098	2.090	(0.410)	43292	21.2997	2100
10 Isoprene	67	2.106	2.098	(0.411)	61312	23.0679	2300
13 Acrolein	56	2.262	2.262	(0.442)	18539	30.1113	3000
14 Freon TF	101	2.262	2.262	(0.442)	50578	21.6509	2200
15 1,1-Dichloroethene	96	2.287	2.287	(0.447)	45154	20.7436	2100
16 Acetone	43	2.394	2.394	(0.468)	27689	23.0589	2300
17 Iodomethane	142	2.435	2.435	(0.476)	116308	20.5989	2000

Data File: /chem/VOAMS2.i/8260_09/04-24-12/18may12.b/b42250.d
Report Date: 18-May-2012 05:03

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
	18 Carbon Disulfide	76	2.452	2.452	(0.479)	175472	22.5588	2200
	27 Methyl Acetate	43	2.641	2.641	(0.516)	75639	22.2643	2200
	21 Acetonitrile	41	2.699	2.690	(0.527)	234384	451.530	45000
	22 Methylene Chloride	84	2.756	2.748	(0.538)	68449	20.7766	2100
	24 TBA	59	2.863	2.855	(0.559)	147166	377.073	38000
	28 MTBE	73	2.929	2.929	(0.572)	173765	19.1783	1900
	25 trans-1,2-Dichloroethene	96	2.937	2.937	(0.574)	60672	21.3710	2100
	26 Acrylonitrile	53	3.028	3.028	(0.592)	29973	22.5651	2200
	29 Hexane	43	3.102	3.102	(0.606)	45134	22.2366	2200
	32 DIPE	45	3.357	3.357	(0.656)	198614	19.7402	2000
	30 1,1-Dichloroethane	63	3.357	3.357	(0.656)	116461	21.8606	2200
	31 Vinyl Acetate	43	3.406	3.406	(0.666)	118085	15.8498	1600
	34 n-Propanol	42	3.505	3.505	(0.685)	73442	3709.12	370000
	35 t-Butyl-ethyl-ether	59	3.703	3.703	(0.723)	168043	17.2199	1700
	37 2,2-Dichloropropane	77	3.892	3.892	(0.760)	89273	22.3835	2200
	36 cis-1,2-Dichloroethene	96	3.933	3.925	(0.768)	69108	20.5655	2000
	39 Ethyl Acetate	70	3.991	3.991	(0.780)	14076	38.5101	3800
	38 2-Butanone	72	3.974	3.974	(0.776)	8719	20.2522	2000
	40 Bromochloromethane	128	4.172	4.172	(0.815)	38870	20.9784	2100
	41 Tetrahydrofuran	42	4.180	4.172	(0.817)	22672	19.9896	2000
	42 Chloroform	83	4.254	4.254	(0.831)	118857	21.1000	2100
	44 Cyclohexane	56	4.361	4.353	(0.852)	81851	19.3346	1900
	43 1,1,1-Trichloroethane	97	4.386	4.386	(0.857)	96209	22.3532	2200
	45 Carbon Tetrachloride	117	4.517	4.517	(0.883)	84075	19.3115	1900
	46 1,1-Dichloropropene	75	4.558	4.559	(0.891)	87344	21.8183	2200
	48 Benzene	78	4.781	4.772	(0.561)	236883	21.2044	2100
$	47 1,2-Dichloroethane-d4 (SUR)	65	4.805	4.805	(0.939)	205859	54.6712	5500
	61 Isopropyl Acetate	43	4.912	4.912	(0.960)	317182	39.2599	3900
	50 t-Amyl-methyl-ether	73	4.896	4.888	(0.957)	146845	17.4039	1700
	49 1,2-Dichloroethane	62	4.896	4.896	(0.957)	98052	21.4216	2100
	51 n-Heptane	57	4.995	4.995	(0.976)	31938	19.7265	2000
*	52 Fluorobenzene	96	5.118	5.118	(1.000)	585324	50.0000	
	53 n-Butanol	56	5.562	5.563	(1.087)	134697	1545.67	150000
	54 Trichloroethene	95	5.521	5.521	(1.079)	64440	21.1709	2100
	55 Ethyl Acrylate	55	5.727	5.727	(1.119)	82465	18.9769	1900
	56 Methyl cyclohexane	83	5.653	5.653	(1.105)	74653	19.3581	1900
	57 1,2-Dichloropropane	63	5.859	5.859	(1.145)	67164	21.4192	2100
	59 Methyl Methacrylate	100	6.015	6.007	(1.175)	14002	17.6236	1800
	75 Propyl Acetate	43	6.089	6.089	(1.190)	204025	39.9875	4000
	60 1,4-Dioxane	88	6.015	6.015	(1.175)	5928	154.510	15000
	58 Dibromomethane	93	5.999	5.999	(1.172)	49484	20.5780	2000
	68 Bromodichloromethane	83	6.204	6.204	(1.212)	87959	21.5963	2200
	62 2-Chloroethyl Vinyl Ether	63	6.641	6.641	(1.297)	38640	17.8111	1800
	63 Epichlorohydrin	57	6.739	6.739	(0.791)	145051	393.998	39000
	67 cis-1,3-Dichloropropene	75	6.797	6.797	(0.797)	102081	20.9568	2100
	70 4-Methyl-2-Pentanone	43	7.003	7.003	(0.821)	68427	19.3235	1900
$	65 Toluene-d8 (SUR)	98	7.044	7.044	(0.826)	536305	54.6435	5500

Data File: /chem/VOAMS2.i/8260_09/04-24-12/18may12.b/b42250.d
Report Date: 18-May-2012 05:03

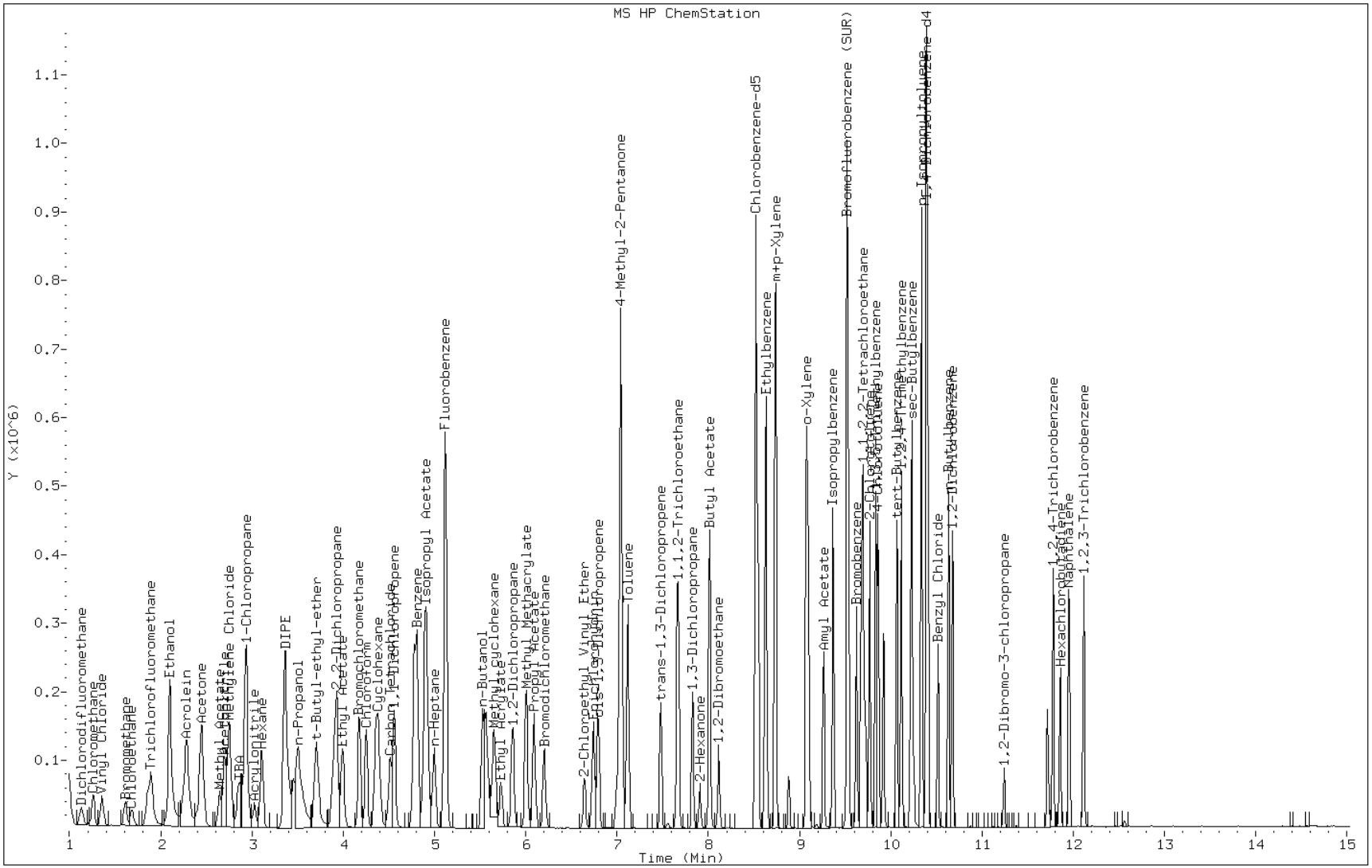
							CONCENTRATIONS	
		QUANT SIG					ON-COLUMN	FINAL
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/Kg)
	66 Toluene	91	7.118	7.118	(0.835)	245098	20.3818	2000
	64 trans-1,3-Dichloropropene	75	7.480	7.480	(0.877)	88406	20.1219	2000
	69 1,1,2-Trichloroethane	83	7.661	7.661	(0.899)	52646	20.8553	2100
	71 Tetrachloroethene	166	7.669	7.669	(0.900)	65150	22.2057	2200
	72 1,3-Dichloropropane	76	7.826	7.826	(0.918)	99550	20.8340	2100
	73 2-Hexanone	43	7.908	7.908	(0.928)	41581	16.5621	1600
	76 Butyl Acetate	73	8.015	8.015	(0.940)	29017	35.9198	3600
	74 Dibromochloromethane	129	8.007	8.007	(0.939)	69577	22.3255	2200
	77 1,2-Dibromoethane	107	8.114	8.114	(0.952)	66841	20.6352	2100
*	78 Chlorobenzene-d5	117	8.525	8.525	(1.000)	417838	50.0000	
	79 Chlorobenzene	112	8.542	8.550	(1.002)	165795	20.8826	2100
	81 Ethylbenzene	106	8.624	8.632	(1.012)	77864	20.6487	2100
	80 1,1,1,2-Tetrachloroethane	131	8.640	8.640	(1.014)	61341	21.6064	2200
	82 m+p-Xylene	106	8.739	8.739	(1.025)	195348	42.8483	4300
	84 o-Xylene	106	9.068	9.077	(1.064)	94791	20.7410	2100
	85 Styrene	104	9.093	9.101	(1.067)	163106	21.3912	2100
	87 Amyl Acetate	43	9.266	9.266	(0.892)	67152	17.6004	1800
	86 Bromoform	173	9.258	9.258	(1.086)	48463	19.5268	2000
	88 Isopropylbenzene	105	9.365	9.365	(1.098)	244473	22.0550	2200
$	89 Bromofluorobenzene (SUR)	174	9.521	9.521	(0.916)	185890	52.0681	5200
	92 1,1,2,2-Tetrachloroethane	83	9.669	9.669	(0.930)	85998	19.7043	2000
	91 Bromobenzene	156	9.628	9.628	(0.926)	73877	20.2025	2000
	95 n-Propylbenzene	91	9.694	9.694	(0.933)	291884	20.5673	2000
	94 trans-1,4-Dichloro-2-butene	53	9.727	9.727	(0.936)	20631	18.3203	1800
	93 1,2,3-Trichloropropane	110	9.702	9.710	(0.933)	23979	19.7729	2000
	96 2-Chlorotoluene	91	9.768	9.768	(0.940)	181155	20.5212	2000
	97 1,3,5-Trimethylbenzene	105	9.834	9.834	(0.946)	200488	20.7506	2100
	98 4-Chlorotoluene	91	9.858	9.858	(0.949)	214485	20.7185	2100
	100 tert-Butylbenzene	119	10.064	10.064	(0.968)	169207	18.3312	1800
	101 1,2,4-Trimethylbenzene	105	10.113	10.114	(0.973)	209081	20.7920	2100
	103 sec-Butylbenzene	105	10.229	10.229	(0.984)	263710	19.4333	1900
	107 p-Isopropyltoluene	119	10.336	10.336	(0.994)	209752	18.7285	1900
	105 1,3-Dichlorobenzene	146	10.336	10.336	(0.994)	132321	20.6593	2100
*	108 1,4-Dichlorobenzene-d4	152	10.393	10.393	(1.000)	222508	50.0000	
	109 1,4-Dichlorobenzene	146	10.410	10.410	(1.002)	135923	20.3490	2000
	110 Benzyl Chloride	91	10.517	10.517	(1.012)	129490	16.3999	1600
	106 n-Butylbenzene	91	10.632	10.632	(1.023)	198691	18.3107	1800
	111 1,2-Dichlorobenzene	146	10.673	10.673	(1.027)	129861	20.5375	2000
	112 1,2-Dibromo-3-chloropropane	75	11.241	11.241	(1.082)	14004	18.7797	1900
	114 1,2,4-Trichlorobenzene	180	11.776	11.776	(1.133)	85184	19.3343	1900
	115 Hexachlorobutadiene	225	11.858	11.858	(1.141)	35331	16.2743	1600
	116 Naphthalene	128	11.949	11.957	(1.150)	200813	17.3455	1700
	117 1,2,3-Trichlorobenzene	180	12.113	12.113	(1.165)	78629	18.1005	1800
M	120 1,2-Dichloroethene (Total)	100				129780	41.9365	4200
M	121 Xylene (Total)	100				290140	63.5894	6400

Data File: b42250.d

Date: 18-MAY-2012 04:39

Client ID: Instrument: VOAMS2.i

Sample Info: LCS Operator: VOA GC/MS2



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 460-113081/4

Matrix: Solid Lab File ID: o60378.d

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 05/18/2012 06:10

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 113081 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-15-0	Carbon disulfide	20.7		1.0	0.15
127-18-4	Tetrachloroethene	18.3		1.0	0.12
78-87-5	1,2-Dichloropropane	18.6		1.0	0.15
108-10-1	4-Methyl-2-pentanone	15.9		10	0.20
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	23.2		1.0	0.11
124-48-1	Dibromochloromethane	17.9		1.0	0.10
120-82-1	1,2,4-Trichlorobenzene	18.0		1.0	0.19
100-42-5	Styrene	18.0		1.0	0.28
87-61-6	1,2,3-Trichlorobenzene	16.7		1.0	0.16
79-34-5	1,1,2,2-Tetrachloroethane	16.2		1.0	0.090
75-00-3	Chloroethane	25.4		1.0	0.33
78-93-3	2-Butanone	18.3		10	0.63
98-82-8	Isopropylbenzene	18.8		1.0	0.11
71-55-6	1,1,1-Trichloroethane	20.9		1.0	0.13
71-43-2	Benzene	20.8		1.0	0.15
10061-01-5	cis-1,3-Dichloropropene	19.2		1.0	0.14
74-97-5	Bromochloromethane	22.2		1.0	0.11
75-25-2	Bromoform	17.3		1.0	0.17
75-34-3	1,1-Dichloroethane	19.7		1.0	0.11
107-06-2	1,2-Dichloroethane	20.5		1.0	0.18
79-00-5	1,1,2-Trichloroethane	19.0		1.0	0.14
67-64-1	Acetone	23.2		10	1.7
79-20-9	Methyl acetate	20.4		1.0	0.32
75-71-8	Dichlorodifluoromethane	24.5		1.0	0.22
75-09-2	Methylene Chloride	19.5		1.0	0.15
74-87-3	Chloromethane	25.1		1.0	0.16
74-83-9	Bromomethane	20.2		1.0	0.43
108-88-3	Toluene	20.6		1.0	0.14
95-47-6	o-Xylene	18.4		1.0	0.19
108-90-7	Chlorobenzene	19.2		1.0	0.18
96-12-8	1,2-Dibromo-3-Chloropropane	16.5		1.0	0.44
541-73-1	1,3-Dichlorobenzene	19.3		1.0	0.16
1634-04-4	MTBE	20.7		1.0	0.11
156-60-5	trans-1,2-Dichloroethene	20.1		1.0	0.13
123-91-1	1,4-Dioxane	173		50	13

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-40258-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 460-113081/4

Matrix: Solid | Lab File ID: o60378.d

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 05/18/2012 06:10

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

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

Analysis Batch No.: 113081 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-35-4	1,1-Dichloroethene	21.8		1.0	0.19
95-50-1	1,2-Dichlorobenzene	18.2		1.0	0.10
79-01-6	Trichloroethene	18.9		1.0	0.12
591-78-6	2-Hexanone	14.7		10	0.13
100-41-4	Ethylbenzene	18.1		1.0	0.17
108-87-2	Methylcyclohexane	22.8		1.0	0.10
75-69-4	Trichlorofluoromethane	22.4		1.0	0.16
110-82-7	Cyclohexane	23.5		1.0	0.13
10061-02-6	trans-1,3-Dichloropropene	15.0		1.0	0.10
156-59-2	cis-1,2-Dichloroethene	20.5		1.0	0.11
67-66-3	Chloroform	21.4		1.0	0.24
179601-23-1	m&p-Xylene	37.4		2.0	0.59
75-01-4	Vinyl chloride	23.5		1.0	0.34
106-93-4	1,2-Dibromoethane	19.7		1.0	0.15
56-23-5	Carbon tetrachloride	21.5		1.0	0.15
106-46-7	1,4-Dichlorobenzene	18.7		1.0	0.11
75-27-4	Bromodichloromethane	18.8		1.0	0.32
104-51-8	n-Butylbenzene	18.7		1.0	0.080
95-63-6	1,2,4-Trimethylbenzene	17.4		1.0	0.15
135-98-8	sec-Butylbenzene	20.6		1.0	0.13
103-65-1	N-Propylbenzene	18.5		1.0	0.15
108-67-8	1,3,5-Trimethylbenzene	18.1		1.0	0.12
98-06-6	tert-Butylbenzene	18.0		1.0	0.12
99-87-6	p-Isopropyltoluene	19.7		1.0	0.14

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	Bromofluorobenzene	92		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	114		70-130
2037-26-5	Toluene-d8 (Surr)	104		70-130

Data File: /chem/VOAMS12.i/8260L_10/05-03-12/18may12.b/o60378.d
Report Date: 18-May-2012 06:51

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS12.i/8260L_10/05-03-12/18may12.b/o60378.d
Lab Smp Id: LCSD
Inj Date : 18-MAY-2012 06:10
Operator : VOAMS 9 Inst ID: VOAMS12.i
Smp Info : LCSD
Misc Info :
Comment :
Method : /chem/VOAMS12.i/8260L_10/05-03-12/18may12.b/8260L_10.m
Meth Date : 18-May-2012 04:32 audberto Quant Type: ISTD
Cal Date : 03-MAY-2012 18:57 Cal File: o59879.d
Als bottle: 4 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	5.00000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
M 14	1,2-Dichloroethene (total)	100				205528	40.5244	40
90	Dichlorodifluoromethane	85	0.866	0.866	(0.234)	117641	24.5435	24
1	Chloromethane	50	0.974	0.981	(0.263)	135640	25.1382	25
4	Vinyl Chloride	62	1.009	1.009	(0.273)	138477	23.5303	24
3	Bromomethane	94	1.167	1.167	(0.315)	71668	20.1747	20
5	Chloroethane	64	1.217	1.217	(0.329)	80600	25.3582	25
9	Trichlorofluoromethane	101	1.339	1.339	(0.362)	182753	22.4278	22
46	Ethyl Ether	59	1.496	1.496	(0.404)	67779	21.6494	22
119	Isoprene	67	1.504	1.503	(0.406)	126903	21.6453	22
47	Acrolein	56	1.568	1.568	(0.423)	157865	252.704	250
10	1,1-Dichloroethene	96	1.611	1.611	(0.435)	87830	21.7602	22
48	Freon TF	101	1.618	1.611	(0.437)	107231	23.1918	23
7	Acetone	43	1.654	1.654	(0.447)	22235	23.1919	23
142	Iodomethane	142	1.704	1.704	(0.460)	139786	25.3802	25

Data File: /chem/VOAMS12.i/8260L_10/05-03-12/18may12.b/o60378.d
Report Date: 18-May-2012 06:51

		QUANT SIG					CONCENTRATIONS ON-COLUMN	FINAL
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/Kg)
8	Carbon Disulfide	76	1.733	1.733	(0.468)	292770	20.6772	21
50	Acetonitrile	41	1.819	1.819	(0.491)	207078	459.075	460
125	Methyl acetate	74	1.840	1.840	(0.497)	13758	20.4269	20
6	Methylene Chloride	84	1.898	1.897	(0.512)	94112	19.5123	20
51	TBA	59	1.983	1.983	(0.536)	140767	360.161	360
52	Acrylonitrile	53	2.055	2.055	(0.555)	216923	152.738	150
12	trans-1,2-Dichloroethene	96	2.055	2.055	(0.555)	99301	20.0621	20
53	MTBE	73	2.062	2.062	(0.557)	207981	20.7163	21
54	Hexane	56	2.227	2.227	(0.601)	79322	24.6834	25
11	1,1-Dichloroethane	63	2.334	2.334	(0.630)	176433	19.6545	20
57	Vinyl Acetate	43	2.377	2.377	(0.642)	225747	19.2828	19
55	DIPE	45	2.385	2.385	(0.644)	264594	20.6423	21
149	tert-Butyl ethyl ether	59	2.642	2.642	(0.714)	227276	19.7944	20
157	Dichlorofluoromethane	67	1.317	1.317	(0.356)	196425	25.3948	25
104	2,2-Dichloropropane	77	2.743	2.743	(0.741)	142950	20.7499	21
13	cis-1,2-Dichloroethene	96	2.750	2.750	(0.743)	106227	20.4623	20
18	2-Butanone	72	2.779	2.771	(0.750)	8132	18.2883	18
56	Ethyl Acetate	70	2.829	2.829	(0.764)	11601	34.5716	34
108	Bromochloromethane	128	2.929	2.929	(0.791)	46583	22.2374	22
15	Chloroform	83	3.001	3.001	(0.810)	166368	21.3556	21
20	1,1,1-Trichloroethane	97	3.130	3.129	(0.845)	144488	20.8786	21
59	Cyclohexane	56	3.165	3.165	(0.855)	183381	23.5233	24
21	Carbon Tetrachloride	117	3.259	3.266	(0.880)	125173	21.4806	21
92	1,1-Dichloropropene	75	3.266	3.266	(0.882)	138355	21.5989	22
$ 16	1,2-Dichloroethane-d4 (SUR)	65	3.409	3.409	(0.921)	138378	57.1305	57
28	Benzene	78	3.445	3.445	(0.930)	367047	20.7587	21
17	1,2-Dichloroethane	62	3.473	3.473	(0.938)	101663	20.4808	20
61	Isopropyl Acetate	43	3.559	3.559	(0.961)	267473	41.1244	41
140	tert-Amylmethyl Ether	73	3.567	3.566	(0.963)	180665	20.5885	20
* 69	Fluorobenzene	96	3.703	3.703	(1.000)	591000	50.0000	
25	Trichloroethene	95	4.054	4.054	(1.095)	81447	18.8733	19
126	Methyl cyclohexane	83	4.226	4.225	(1.141)	173247	22.7508	23
23	1,2-Dichloropropane	63	4.283	4.283	(1.157)	76773	18.6204	19
109	Dibromomethane	93	4.397	4.397	(1.188)	42091	17.6100	18
95	1,4-Dioxane	88	4.448	4.447	(1.201)	8395	172.991	170
146	Methyl methacrylate	69	4.455	4.455	(1.203)	41103	20.6795	21
64	Propyl Acetate	43	4.534	4.533	(1.224)	152593	37.3617	37
22	Bromodichloromethane	83	4.591	4.584	(1.240)	99785	18.7644	19
30	2-Chloroethyl Vinyl Ether	63	4.956	4.963	(1.339)	43935	22.2762	22
118	Epichlorohydrin	57	5.013	5.013	(1.354)	128525	377.729	380
24	cis-1,3-Dichloropropene	75	5.092	5.092	(1.375)	118970	19.1649	19
33	4-Methyl-2-Pentanone	43	5.314	5.314	(1.435)	51481	15.9381	16
$ 37	Toluene-d8 (SUR)	98	5.386	5.386	(0.741)	487796	51.7652	52
38	Toluene	91	5.465	5.465	(0.752)	394989	20.5634	20
29	trans-1,3-Dichloropropene	75	5.787	5.787	(0.796)	95317	15.0472	15
27	1,1,2-Trichloroethane	83	6.009	6.009	(0.827)	51477	18.9546	19
35	Tetrachloroethene	166	6.131	6.131	(0.843)	97460	18.2826	18

Data File: /chem/VOAMS12.i/8260L_10/05-03-12/18may12.b/o60378.d
Report Date: 18-May-2012 06:51

							CONCENTRATIONS	
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/Kg)
	103 1,3-Dichloropropane	76	6.210	6.210	(0.854)	99136	16.6690	17
	34 2-Hexanone	43	6.389	6.389	(0.879)	34572	14.7308	15
	26 Dibromochloromethane	129	6.496	6.496	(0.894)	71134	17.9471	18
	65 Butyl Acetate	43	6.611	6.604	(0.909)	190702	39.8271	40
	66 1,2-Dibromoethane	107	6.611	6.611	(0.909)	65447	19.7153	20
*	32 Chlorobenzene-d5	117	7.270	7.270	(1.000)	462379	50.0000	
	39 Chlorobenzene	112	7.313	7.313	(1.006)	249834	19.1765	19
	97 1,1,1,2-Tetrachloroethane	131	7.463	7.456	(1.027)	72240	17.3440	17
	40 Ethylbenzene	106	7.513	7.513	(1.033)	126982	18.0957	18
	43 m+p-Xylene	106	7.692	7.692	(1.058)	324016	37.3968	37
	44 o-Xylene	106	8.273	8.273	(1.138)	151692	18.4006	18
	42 Styrene	104	8.308	8.308	(1.143)	248394	17.9791	18
	147 Butyl Acrylate	55	8.380	8.380	(0.766)	115488	18.9747	19
	31 Bromoform	173	8.538	8.545	(1.174)	46588	17.3200	17
	145 Amyl Acetate	43	8.767	8.767	(1.206)	60632	17.7460	18
	110 Isopropylbenzene	105	8.867	8.867	(1.220)	434947	18.7501	19
$	41 Bromofluorobenzene (SUR)	174	9.075	9.075	(0.830)	167791	46.1583	46
	150 Camphene	41	9.204	9.197	(0.842)	37100	19.7503	20
	107 Bromobenzene	156	9.254	9.254	(0.846)	96348	17.1501	17
	36 1,1,2,2-Tetrachloroethane	83	9.412	9.411	(0.860)	73751	16.1554	16
	99 1,2,3-Trichloropropane	110	9.426	9.419	(0.862)	21558	16.4151	16
	143 trans-1,4-Dichloro-2-butene	53	9.505	9.505	(2.567)	22975	18.1375	18
	112 n-Propylbenzene	91	9.526	9.526	(0.871)	516793	18.5016	18
	105 2-Chlorotoluene	91	9.598	9.598	(0.878)	284457	18.2521	18
	106 4-Chlorotoluene	91	9.784	9.784	(0.895)	311124	19.3362	19
	102 1,3,5-Trimethylbenzene	105	9.841	9.841	(0.900)	340577	18.1315	18
	148 Butyl methacrylate	69	10.142	10.142	(0.927)	98285	14.9130	15(R)
	115 tert-Butylbenzene	119	10.350	10.350	(0.946)	313520	18.0491	18
	100 1,2,4-Trimethylbenzene	105	10.436	10.436	(0.954)	340001	17.4187	17
	114 sec-Butylbenzene	105	10.715	10.715	(0.980)	538353	20.5559	20
	67 1,3-Dichlorobenzene	146	10.816	10.815	(0.989)	221758	19.3380	19
*	91 1,4-Dichlorobenzene-d4	152	10.937	10.937	(1.000)	267220	50.0000	
	68 1,4-Dichlorobenzene	146	10.973	10.973	(1.003)	213958	18.7213	19
	113 p-Isopropyltoluene	119	10.995	11.002	(1.005)	442310	19.6851	20
	69 1,2-Dichlorobenzene	146	11.517	11.517	(1.053)	194274	18.2408	18
	117 Benzyl chloride	91	11.238	11.238	(1.028)	148434	18.5364	18
	111 n-Butylbenzene	91	11.611	11.603	(1.062)	397614	18.6525	19
	101 1,2-Dibromo-3-chloropropane	75	12.485	12.484	(1.141)	15062	16.4983	16
	152 Camphor	95	13.186	13.186	(1.206)	37262	66.5212	66
	93 1,2,4-Trichlorobenzene	180	13.280	13.280	(1.214)	156128	17.9750	18
	94 Hexachlorobutadiene	225	13.452	13.451	(1.230)	92688	16.9235	17
	70 Naphthalene	128	13.480	13.480	(1.232)	281643	17.3197	17
	98 1,2,3-Trichlorobenzene	180	13.688	13.688	(1.251)	130817	16.7004	17
M	45 Xylene (Total)	100				475709	55.8072	56

Data File: /chem/VOAMS12.i/8260L_10/05-03-12/18may12.b/o60378.d
Report Date: 18-May-2012 06:51

QC Flag Legend

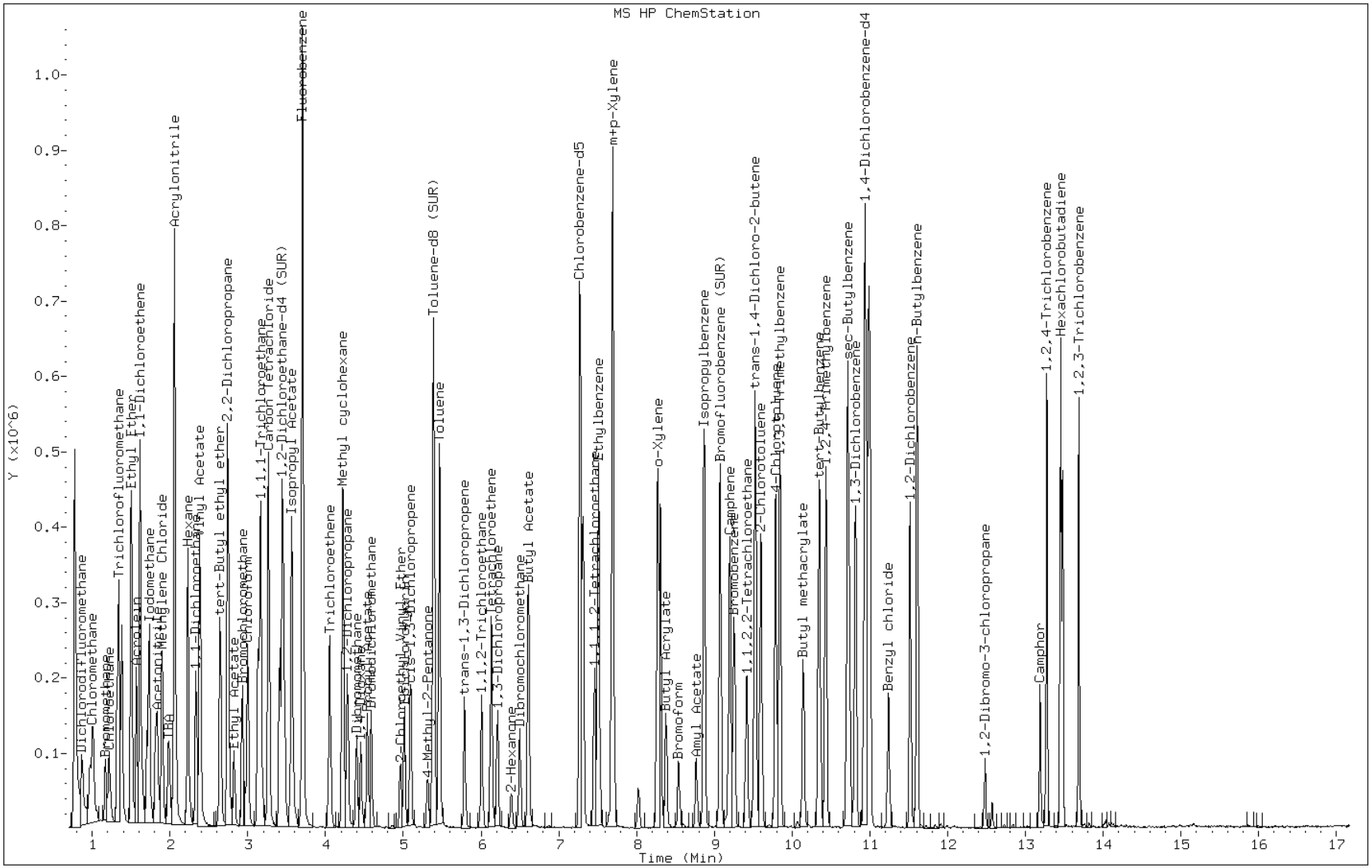
R - Spike/Surrogate failed recovery limits.

Data File: o60378.d

Date: 18-MAY-2012 06:10

Client ID: Instrument: VOAMS12.i

Sample Info: LCSD Operator: VOAMS 9



GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Instrument ID: VOAMS12 Start Date: 05/03/2012 17:30

Analysis Batch Number: 111515 End Date: 05/04/2012 03:34

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-111515/1		05/03/2012 17:30	1	o59876.d	DB-624 0.18(mm)
IC 460-111515/2		05/03/2012 18:57	1	o59879.d	DB-624 0.18(mm)
IC 460-111515/3		05/03/2012 19:22	1	o59880.d	DB-624 0.18(mm)
ICIS 460-111515/4		05/03/2012 19:47	1	o59881.d	DB-624 0.18(mm)
IC 460-111515/5		05/03/2012 20:12	1	o59882.d	DB-624 0.18(mm)
IC 460-111515/6		05/03/2012 20:37	1	o59883.d	DB-624 0.18(mm)
IC 460-111515/7		05/03/2012 21:02	1	o59884.d	DB-624 0.18(mm)
ZZZZZ		05/03/2012 22:30	1		DB-624 0.18(mm)
ZZZZZ		05/03/2012 22:30	1		DB-624 0.18(mm)
ZZZZZ		05/03/2012 22:55	1		DB-624 0.18(mm)
ZZZZZ		05/04/2012 00:05	1		DB-624 0.18(mm)
ZZZZZ		05/04/2012 00:40	1		DB-624 0.18(mm)
ZZZZZ		05/04/2012 01:05	1		DB-624 0.18(mm)
ZZZZZ		05/04/2012 01:55	1		DB-624 0.18(mm)
ZZZZZ		05/04/2012 02:20	1		DB-624 0.18(mm)
ZZZZZ		05/04/2012 02:45	1		DB-624 0.18(mm)
ZZZZZ		05/04/2012 03:09	1		DB-624 0.18(mm)
ZZZZZ		05/04/2012 03:34	1		DB-624 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Instrument ID: VOAMS12 Start Date: 05/18/2012 03:31

Analysis Batch Number: 113081 End Date: 05/18/2012 15:40

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-113081/1		05/18/2012 03:31	1	o60374.d	DB-624 0.18(mm)
CCVIS 460-113081/2		05/18/2012 04:03	1	o60375.d	DB-624 0.18(mm)
LCS 460-113081/3		05/18/2012 04:28	1	o60376.d	DB-624 0.18(mm)
LCSD 460-113081/4		05/18/2012 06:10	1	o60378.d	DB-624 0.18(mm)
MB 460-113081/5		05/18/2012 06:59	1	o60380.d	DB-624 0.18(mm)
LB3 460-112896/1-A		05/18/2012 07:24	1	o60381.d	DB-624 0.18(mm)
ZZZZZ		05/18/2012 07:49	1		DB-624 0.18(mm)
ZZZZZ		05/18/2012 08:14	1		DB-624 0.18(mm)
ZZZZZ		05/18/2012 08:38	1		DB-624 0.18(mm)
460-40258-1	DB-1 23-23.5'	05/18/2012 09:03	1	o60385.d	DB-624 0.18(mm)
460-40258-2	DB-1 34.5-35'	05/18/2012 09:28	1	o60386.d	DB-624 0.18(mm)
460-40258-3	DB-2 13.5-14'	05/18/2012 09:53	1	o60387.d	DB-624 0.18(mm)
460-40258-4	DB-2 34.5-35'	05/18/2012 10:18	1	o60388.d	DB-624 0.18(mm)
460-40258-5	DB-3 20.5-21'	05/18/2012 10:43	1	o60389.d	DB-624 0.18(mm)
460-40258-6	DB-3 30.5-31'	05/18/2012 11:07	1	o60390.d	DB-624 0.18(mm)
460-40258-8	DB-5 35-35.5'	05/18/2012 11:32	1	o60391.d	DB-624 0.18(mm)
460-40258-9	DB-5 49.5-50'	05/18/2012 11:57	1	o60392.d	DB-624 0.18(mm)
460-40258-10	DB-6 15-15.5'	05/18/2012 12:22	1	o60393.d	DB-624 0.18(mm)
460-40258-13	DB-6 39.5-40'	05/18/2012 12:47	1	o60394.d	DB-624 0.18(mm)
ZZZZZ		05/18/2012 13:11	1		DB-624 0.18(mm)
ZZZZZ		05/18/2012 13:36	1		DB-624 0.18(mm)
ZZZZZ		05/18/2012 14:01	1		DB-624 0.18(mm)
ZZZZZ		05/18/2012 14:26	1		DB-624 0.18(mm)
ZZZZZ		05/18/2012 14:51	1		DB-624 0.18(mm)
ZZZZZ		05/18/2012 15:16	1		DB-624 0.18(mm)
ZZZZZ		05/18/2012 15:40	1		DB-624 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Instrument ID: VOAMS2 Start Date: 04/24/2012 20:13

Analysis Batch Number: 110461 End Date: 04/25/2012 02:21

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-110461/1		04/24/2012 20:13	1	b41430.d	Rtx-624 0.25(mm)
IC 460-110461/2		04/24/2012 21:45	1	b41434.d	Rtx-624 0.25(mm)
IC 460-110461/3		04/24/2012 22:07	1	b41435.d	Rtx-624 0.25(mm)
ICIS 460-110461/4		04/24/2012 22:29	1	b41436.d	Rtx-624 0.25(mm)
IC 460-110461/5		04/24/2012 22:51	1	b41437.d	Rtx-624 0.25(mm)
IC 460-110461/6		04/24/2012 23:13	1	b41438.d	Rtx-624 0.25(mm)
IC 460-110461/7		04/24/2012 23:35	1	b41439.d	Rtx-624 0.25(mm)
ICV 460-110461/8		04/25/2012 02:21	1		Rtx-624 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Instrument ID: VOAMS2 Start Date: 05/18/2012 03:39

Analysis Batch Number: 113082 End Date: 05/18/2012 15:20

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-113082/1		05/18/2012 03:39	1	b42248.d	Rtx-624 0.25(mm)
CCVIS 460-113082/2		05/18/2012 04:17	1	b42249.d	Rtx-624 0.25(mm)
LCS 460-113082/3		05/18/2012 04:39	50	b42250.d	Rtx-624 0.25(mm)
MB 460-113082/4		05/18/2012 06:08	50	b42254.d	Rtx-624 0.25(mm)
ZZZZZ		05/18/2012 07:14	50		Rtx-624 0.25(mm)
ZZZZZ		05/18/2012 07:37	50		Rtx-624 0.25(mm)
ZZZZZ		05/18/2012 08:21	50		Rtx-624 0.25(mm)
ZZZZZ		05/18/2012 08:43	50		Rtx-624 0.25(mm)
ZZZZZ		05/18/2012 09:05	50		Rtx-624 0.25(mm)
ZZZZZ		05/18/2012 09:27	100		Rtx-624 0.25(mm)
ZZZZZ		05/18/2012 09:49	100		Rtx-624 0.25(mm)
ZZZZZ		05/18/2012 10:33	50		Rtx-624 0.25(mm)
460-40258-7	DB-5 21-21.5'	05/18/2012 10:55	50	b42267.d	Rtx-624 0.25(mm)
460-40258-12	DB-6 30-30.5'	05/18/2012 11:17	50	b42268.d	Rtx-624 0.25(mm)
ZZZZZ		05/18/2012 11:39	50		Rtx-624 0.25(mm)
ZZZZZ		05/18/2012 12:01	500		Rtx-624 0.25(mm)
ZZZZZ		05/18/2012 12:23	50		Rtx-624 0.25(mm)
ZZZZZ		05/18/2012 12:45	500		Rtx-624 0.25(mm)
ZZZZZ		05/18/2012 13:07	50		Rtx-624 0.25(mm)
ZZZZZ		05/18/2012 13:28	50		Rtx-624 0.25(mm)
ZZZZZ		05/18/2012 13:50	50		Rtx-624 0.25(mm)
ZZZZZ		05/18/2012 14:12	1		Rtx-624 0.25(mm)
ZZZZZ		05/18/2012 14:34	1		Rtx-624 0.25(mm)
ZZZZZ		05/18/2012 14:58	50		Rtx-624 0.25(mm)
ZZZZZ		05/18/2012 15:20	1		Rtx-624 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Instrument ID: VOAMS4 Start Date: 05/03/2012 01:29

Analysis Batch Number: 112625 End Date: 05/03/2012 07:41

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-112625/1		05/03/2012 01:29	1	d20295.d	Rtx-624 0.25(mm)
IC 460-112625/2		05/03/2012 03:48	1	d20300.d	Rtx-624 0.25(mm)
IC 460-112625/3		05/03/2012 04:12	1	d20301.d	Rtx-624 0.25(mm)
ICIS 460-112625/4		05/03/2012 04:35	1	d20302.d	Rtx-624 0.25(mm)
IC 460-112625/5		05/03/2012 04:58	1	d20303.d	Rtx-624 0.25(mm)
IC 460-112625/6		05/03/2012 05:21	1	d20304.d	Rtx-624 0.25(mm)
IC 460-112625/7		05/03/2012 05:45	1	d20305.d	Rtx-624 0.25(mm)
ICV 460-112625/8		05/03/2012 07:41	1		Rtx-624 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Instrument ID: VOAMS4 Start Date: 05/17/2012 07:51

Analysis Batch Number: 112972 End Date: 05/17/2012 19:20

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-112972/1		05/17/2012 07:51	1	d20721.d	Rtx-624 0.25(mm)
CCVIS 460-112972/2		05/17/2012 08:09	1	d20722.d	Rtx-624 0.25(mm)
LCS 460-112972/3		05/17/2012 09:18	1	d20723.d	Rtx-624 0.25(mm)
MB 460-112972/4		05/17/2012 10:36	1	d20726.d	Rtx-624 0.25(mm)
ZZZZZ		05/17/2012 10:59	1		Rtx-624 0.25(mm)
ZZZZZ		05/17/2012 11:22	1		Rtx-624 0.25(mm)
ZZZZZ		05/17/2012 11:45	1		Rtx-624 0.25(mm)
ZZZZZ		05/17/2012 12:08	1		Rtx-624 0.25(mm)
ZZZZZ		05/17/2012 12:31	1		Rtx-624 0.25(mm)
ZZZZZ		05/17/2012 12:54	1		Rtx-624 0.25(mm)
ZZZZZ		05/17/2012 13:17	1		Rtx-624 0.25(mm)
ZZZZZ		05/17/2012 13:41	1		Rtx-624 0.25(mm)
ZZZZZ		05/17/2012 14:04	5		Rtx-624 0.25(mm)
ZZZZZ		05/17/2012 14:27	5		Rtx-624 0.25(mm)
ZZZZZ		05/17/2012 14:50	1		Rtx-624 0.25(mm)
ZZZZZ		05/17/2012 15:13	1		Rtx-624 0.25(mm)
ZZZZZ		05/17/2012 15:36	1		Rtx-624 0.25(mm)
ZZZZZ		05/17/2012 16:00	1		Rtx-624 0.25(mm)
460-40258-14	Trip Blank	05/17/2012 16:23	1	d20741.d	Rtx-624 0.25(mm)
ZZZZZ		05/17/2012 16:46	1		Rtx-624 0.25(mm)
ZZZZZ		05/17/2012 17:09	1		Rtx-624 0.25(mm)
ZZZZZ		05/17/2012 17:32	20		Rtx-624 0.25(mm)
ZZZZZ		05/17/2012 17:56	20		Rtx-624 0.25(mm)
ZZZZZ		05/17/2012 18:19	1		Rtx-624 0.25(mm)
ZZZZZ		05/17/2012 18:42	1		Rtx-624 0.25(mm)
ZZZZZ		05/17/2012 19:20	1		Rtx-624 0.25(mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Batch Number: 112893 Batch Start Date: 05/16/12 20:46 Batch Analyst: Jin, Fangzhou

Batch Method: 5035 Batch End Date: 05/16/12 21:18

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	VM8PrepSU 00043			
460-40258-A-7	DB-5 21-21.5'	5035, 8260B	T	5.24 g	10 mL	10 mL			
460-40258-A-12	DB-6 30-30.5'	5035, 8260B	T	4.77 g	10 mL	10 mL			

Batch Notes	

Basis	Basis Description
T	Total/NA

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Batch Number: 112896 Batch Start Date: 05/16/12 21:49 Batch Analyst: Jin, Fangzhou

Batch Method: 5035 Batch End Date: 05/16/12 22:38

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount				
LB3 460-112896/1		5035, 8260B		5 g	5 mL				
460-40258-A-1	DB-1 23-23.5'	5035, 8260B	T	4.99 g	5 mL				
460-40258-A-2	DB-1 34.5-35'	5035, 8260B	T	5.59 g	5 mL				
460-40258-A-3	DB-2 13.5-14'	5035, 8260B	T	5.52 g	5 mL				
460-40258-A-4	DB-2 34.5-35'	5035, 8260B	T	5.82 g	5 mL				
460-40258-A-5	DB-3 20.5-21'	5035, 8260B	T	5.53 g	5 mL				
460-40258-A-6	DB-3 30.5-31'	5035, 8260B	T	5.31 g	5 mL				
460-40258-A-8	DB-5 35-35.5'	5035, 8260B	T	5.21 g	5 mL				
460-40258-A-9	DB-5 49.5-50'	5035, 8260B	T	5.29 g	5 mL				
460-40258-A-10	DB-6 15-15.5'	5035, 8260B	T	5.61 g	5 mL				
460-40258-A-13	DB-6 39.5-40'	5035, 8260B	T	5.60 g	5 mL				

Batch Notes	

Basis	Basis Description
T	Total/NA

TESTAMERICA

ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: VOAMS2.i

Analytical Batch: /chem/VOAMS2.i/8260_09/04-24-12/24apr12.b

Date Generated: 04/25/2012

110461

Date	Data File	ALS	Sample ID	Client ID	IV/ IW	FV	Dil Fac	Sublist	PH	STD LOT	COMMENTS
04/24/12 2013	b41430.d	2	BFB		0	0	1	all			G
04/24/12 2122	b41433.d	3	IC-VMCAL1		5	10	1	all		8260 HIGH	(N.u)
04/24/12 2145	b41434.d	4	IC-VMCAL1		5	10	1	all		8260 IS: 1442559	G
04/24/12 2207	b41435.d	5	IC-VMCAL2		5	10	1	all		SURR 500: — SURR 250: 1442560	G
04/24/12 2229	b41436.d	6	ICIS-VMCAL3		5	10	1	all		GAS 500: 1492396	G
04/24/12 2251	b41437.d	7	IC-VMCAL4		5	10	1	all		MIX 1 500: 1462769 MIX 2 500: 1462796	G
04/24/12 2313	b41438.d	8	IC-VMCAL5		5	10	1	all		MIX 3: 1462797 AC/AC: 1462799	G
04/24/12 2335	b41439.d	9	IC-VMCAL6		5	10	1	all		GAS SP: 1492397 8260 SP: 1462770	G
04/24/12 2357	b41440.d	10	BLK		5	10	1	all		MIX 3 SP: 1462798 AC/AC SP: 1462800	G
04/25/12 0019	b41441.d	11	BLK		5	10	1	all		MISC: 1462801	NG clean up.
04/25/12 0041	b41442.d	12	BLK		5	0	1	all		1462802	
04/25/12 0158	b41443.d	13	ICV		5	0	1	all		1462803	
04/25/12 0221	b41444.d	14	ICV		5	0	1	all		MeOH	G
										51182	G

Signed: Auddeno for Ken B. Read and Understood by: A. Orpayal.

Date: 04/25/12 Date: 04/25/12

TESTAMERICA

ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: VOAMS12.i

Analytical Batch: /chem/VOAMS12.i/8260L_10/05-03-12/03may12a.b

Date Generated: 05/04/2012

Page 1

111515

Date	Data File	ALS	Sample ID	Client ID	IV/ IW	FV	Dil Fac	Sublist	PH	STD LOT	COMMENTS
05/03/12 1730	o59876.d	2	BFB		0	0	1	all			G
05/03/12 1808	o59877.d	1	blk		5	5	1	all			NG cleanup.
05/03/12 1833	o59878.d	2	IC-VMCAL1		5	5	1	all			NG
05/03/12 1857	o59879.d	3	IC-VMCAL1		5	5	1	all			G
05/03/12 1922	o59880.d	4	IC-VMCAL2		5	5	1	all			G
05/03/12 1947	o59881.d	5	ICIS-VMCAL3		5	5	1	all			G
05/03/12 2012	o59882.d	6	IC-VMCAL4		5	5	1	all			G
05/03/12 2037	o59883.d	7	IC-VMCAL5		5	5	1	all			G
05/03/12 2102	o59884.d	8	IC-VMCAL6		5	5	1	all			G
05/03/12 2126	o59885.d	9	BLK		5	5	1	all			G
05/03/12 2151	o59886.d	10	BLK		5	5	1	all			NG cleanup.
05/03/12 2230	o59887.d	11	LCS		5	5	1	all			NG cleanup.
05/03/12 2230	o59887a.	11	ICV		5	5	1	all			G
05/03/12 2255	o59888.d	12	LCSD		5	5	1	all			G

8260 LOW
8260 IS: 1484803
SURR 250: 1484804
GAS 50: 1505223
MIX 1 50: 1508960
MIX 2 50: 1508963
MIX 3: —
AC/AC: 1508967
GAS SP: 1505225
8260 SP: 1508962
MIX 3 SP: —
AC/AC SP: 1508968
MISC:
MeOH
S1182

TESTAMERICA

ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: VOAMS12.i

Analytical Batch: /chem/VOAMS12.i/8260L_10/05-03-12/03may12a.b

Date Generated: 05/04/2012

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Date	Data File	ALS	Sample ID	Client ID	IV/ IW	FV	Dil Fac	Sublist	PH	STD LOT	COMMENTS
05/03/12 2331	o59889.d	13	MB		5	5	1	all			NC clean up
05/04/12 0005	o59890.d	14	MB		5	5	1	all			C
05/04/12 0040	o59891.d	15	LB3 460-111508/2-A		5	5	1	all			C
05/04/12 0105	o59892.d	16	460-39457-A-12-C	623 - Volatiles in	5	5	1	all			C
05/04/12 0130	o59893.d	17	BLK		5	5	1	all			NC clean up
05/04/12 0155	o59894.d	18	460-39497-B-15-A	2351-042512-1510	6.03	5	1	all			C
05/04/12 0220	o59895.d	19	460-39497-B-16-A	2351-042512-1530	5.6	5	1	all			C
05/04/12 0245	o59896.d	20	460-39497-B-17-A	2351-042512-1535	5.56	5	1	all			C
05/04/12 0309	o59897.d	21	460-39497-B-18-A	2351-042512-1600	5.72	5	1	all			C
05/04/12 0334	o59898.d	22	460-39497-B-19-A	2351-042512-1605	5.4	5	1	all			C

Signed: Audberto for Eddie. Read and Understood by: A Tyagi

Date: 05/04/12 Date: 05/04/12

TESTAMERICA

ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: VOAMS12.i

Analytical Batch: /chem/VOAMS12.i/8260L_10/05-03-12/18may12.b

Date Generated: 05/18/2012

Page 1

113081

Date	Data File	ALS	Sample ID	Client ID	IV/ IW	FV	Dil Fac	Sublist	PH	STD LOT	COMMENTS
05/18/12 0331	o60374.d	2	BFB		0	0	1	all		8260 LOW	G
05/18/12 0403	o60375.d	1	CCVIS		5	5	1	all		8260 IS: 1484803 SURR 250: 1484804	G
05/18/12 0428	o60376.d	2	LCS		5	5	1	all		GAS 50: 1515864 MIX 1 50: 1508960	G
05/18/12 0530	o60377.d	3	LCSD		5	5	1	all		MIX 2 50: 1508963 MIX 3:	NG
05/18/12 0610	o60378.d	4	LCSD		5	5	1	all		AC/AC: 1508965 GAS SP: 1515866	G
05/18/12 0634	o60379.d	5	MB		5	5	1	all		8260 SP: 1508962 MIX 3 SP:	NG clean up
05/18/12 0659	o60380.d	6	MB		5	5	1	all		AC/AC SP: 1508968 MISC: DCFM: 1504115 1504116 DFB:	G
05/18/12 0724	o60381.d	7	LB3 460-112896/1-A		5	5	1	all		1356017 MeOH.	G
05/18/12 0749	o60382.d	8	460-40166-C-2-A	C4-05112	5.91	5	1	all		S1304	G
05/18/12 0814	o60383.d	9	460-40166-C-3-A	C4-SW-05112	6.08	5	1	all		S1304	G
05/18/12 0838	o60384.d	10	460-40216-C-5-A	TSS-SB-S-03A	5.79	5	1	all			G
05/18/12 0903	o60385.d	11	460-40258-A-1-C	DB-1 23-23.5'	4.99	5	1	all			G
05/18/12 0928	o60386.d	12	460-40258-A-2-C	DB-1 34.5-35'	5.59	5	1	all			G
05/18/12 0953	o60387.d	13	460-40258-A-3-C	DB-2 13.5-14'	5.52	5	1	all			G

TESTAMERICA

ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: VOAMS12.i

Analytical Batch: /chem/VOAMS12.i/8260L_10/05-03-12/18may12.b

Date Generated: 05/18/2012

Date	Data File	ALS	Sample ID	Client ID	IV/ IW	FV	Dil Fac	Sublist	PH	STD LOT	COMMENTS
05/18/12 1018	o60388.d	14	460-40258-A-4-C	DB-2 34.5-35'	5.82	5	1	all			G
05/18/12 1043	o60389.d	15	460-40258-A-5-C	DB-3 20.5-21'	5.53	5	1	all			G
05/18/12 1107	o60390.d	16	460-40258-A-6-C	DB-3 30.5-31'	5.31	5	1	all			G
05/18/12 1132	o60391.d	17	460-40258-A-8-C	DB-5 35-35.5'	5.21	5	1	all			G
05/18/12 1157	o60392.d	18	460-40258-A-9-C	DB-5 49.5-50'	5.29	5	1	all			G
05/18/12 1222	o60393.d	19	460-40258-A-10-C	DB-6 15-15.5'	5.61	5	1	all			G
05/18/12 1247	o60394.d	20	460-40258-A-13-C	DB-6 39.5-40'	5.6	5	1	all			G
05/18/12 1311	o60395.d	21	460-40254-B-1-A	S-1	5.67	5	1	all			G conf. by 060401.d RR c/o
05/18/12 1336	o60396.d	22	460-40254-B-2-A	S-3	5.6	5	1	all			G
05/18/12 1401	o60397.d	23	460-40254-B-3-A	S-4	6.24	5	1	all			G
05/18/12 1426	o60398.d	24	460-40254-B-4-A	S-5	5.26	5	1	all			G
05/18/12 1451	o60399.d	25	460-40254-B-5-A	S-7	4.76	5	1	all			G
05/18/12 1516	o60400.d	26	460-40254-B-6-A	S-8	4.82	5	1	all			G
05/18/12 1540	o60401.d	27	BLANK		5	5	1	all			NH clean up

Signed: Eddie Martinez GC AT 05/18/12 Read and Understood by: 05/18/12

TESTAMERICA

ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: VOAMS4.i

Analytical Batch: /chem/VOAMS4.i/8260_09/05-03-12/03may12.b

Date Generated: 05/15/2012

Page 1

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Date	Data File	ALS	Sample ID	Client ID	IV/ IW	FV	Dil Fac	Sublist	PH	STD LOT	COMMENTS
05/03/12 0129	d20295.d	2	BFB		0	0	1	all			
05/03/12 0209	d20296.d	5	BLK		5	0	1	all		8260 HIGH	G
05/03/12 0238	d20297.d	6	IC-VM8CAL0.5		5	0	1	all		8260 IS: 1504363 SURR 500:	Cleanup
05/03/12 0302	d20298.d	6	IC-VM8CAL0.5		5	0	1	all		SURR 250: 1504364 GAS 500: 1505224	For Rep method
05/03/12 0325	d20299.d	7	IC-VM8CAL1		5	0	1	all		MIX 1 500: 1508961 MIX 2 500: 1508964	↓
05/03/12 0348	d20300.d	8	IC-VM8CAL1		5	0	1	all		MIX 3: 1508965 AC/AC: 1508967	Not used
05/03/12 0412	d20301.d	9	IC-VM8CAL2		5	0	1	all		GAS SP: 1505225	G
05/03/12 0435	d20302.d	10	ICIS-VM8CAL3		5	0	1	all		8260 SP: 1508962 MIX 3 SP: 1508966	G
05/03/12 0458	d20303.d	11	IC-VM8CAL4		5	0	1	all		AC/AC SP: 1508968 MISC: BFB 1358020	G
05/03/12 0521	d20304.d	12	IC-VM8CAL5		5	0	1	all		Mecn ST182 1509166	G
05/03/12 0545	d20305.d	13	IC-VM8CAL6		5	0	1	all		1509184 1509215	G
05/03/12 0608	d20306.d	14	BLANK		5	0	1	all			
05/03/12 0631	d20307.d	15	BLANK		5	0	1	all			cleanup
05/03/12 0655	d20308.d	16	BLANK		5	0	1	all			↓

IV Std

IV Std

TESTAMERICA

ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: VOAMS4.i

Analytical Batch: /chem/VOAMS4.i/8260_09/05-03-12/03may12.b

Date Generated: 05/15/2012

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Date	Data File	ALS	Sample ID	Client ID	IV/ IW	FV	Dil Fac	Sublist	PH	STD LOT	COMMENTS
05/03/12 0718	d20309.d	17	ICV		5	0	1	all			Not used / Acetone ↑
05/03/12 0741	d20310.d	18	ICV		5	0	1	all			G
05/03/12 0804	d20311.d	19	BLK		5	0	1	all			cleanup

Signed: Sawath Desai for Kenny Read and Understood by: Sawath Desai

Date: 05/14/12 Date: 05/15/12

Method 8270C

Semivolatile Organic Compounds (GC/MS) by Method 8270C

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): Rtx-5MS ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPH #
DB-1 23-23.5'	460-40258-1	69	73	67	78	60	89
DB-1 34.5-35'	460-40258-2	71	74	77	92	72	92
DB-2 13.5-14'	460-40258-3	67	67	66	80	70	91
DB-2 34.5-35'	460-40258-4	67	67	70	75	82	86
DB-3 20.5-21'	460-40258-5	65	68	67	73	56	100
DB-3 30.5-31'	460-40258-6	55	56	57	61	58	80
DB-5 21-21.5'	460-40258-7	59	65	60	74	61	84
DB-5 35-35.5'	460-40258-8	61	62	65	68	60	85
DB-5 49.5-50'	460-40258-9	58	64	58	64	58	92
DB-6 15-15.5'	460-40258-10	66	69	69	82	66	88
DB-6 29.5-30'	460-40258-11	58	61	58	76	46	73
DB-6 39.5-40'	460-40258-13	79	79	70	77	65	103
	MB 460-112983/1-A	72	72	79	81	65	88
	MB 460-113111/1-A	90	91	77	84	89	79
	LCS 460-112983/2-A	68	70	77	80	86	82
	LCS 460-113111/2-A	82	82	73	73	85	67

	QC LIMITS
2FP = 2-Fluorophenol	37-125
PHL = Phenol-d5	41-118
NBZ = Nitrobenzene-d5	38-105
FBP = 2-Fluorobiphenyl	40-109
TBP = 2,4,6-Tribromophenol	10-120
TPH = Terphenyl-d14	16-151

Column to be used to flag recovery values

FORM II 8270C

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: p30179.d

Lab ID: LCS 460-112983/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
2,2'-oxybis[1-chloropropane]	3330	2760	83	45-102	
N-Nitrosodiphenylamine	3330	2980	89	49-106	
Hexachlorocyclopentadiene	3330	2560	77	24-98	
2,4-Dimethylphenol	6660	5130	77	56-112	
2,6-Dinitrotoluene	3330	3060	92	51-115	
Aniline	3330	1710	51	35-90	
2,4-Dinitrotoluene	3330	3280	99	53-110	
Bis(2-ethylhexyl) phthalate	3330	2980	90	49-119	
Benzoic acid	6660	3470	52	10-137	
2-Chloronaphthalene	3330	2780	84	51-102	
Butyl benzyl phthalate	3330	2960	89	49-117	
2-Chlorophenol	6660	4880	73	56-110	
Di-n-butyl phthalate	3330	3160	95	50-108	
2,4-Dichlorophenol	6660	5010	75	58-115	
Diethyl phthalate	3330	3160	95	52-114	
2,4-Dinitrophenol	6660	2120	32	10-129	
2-Methylphenol	6660	4880	73	54-117	
Dimethyl phthalate	3330	3030	91	52-112	
Di-n-octyl phthalate	3330	2550	77	40-106	
3,3'-Dichlorobenzidine	3330	2520	76	24-105	
Hexachlorobenzene	3330	2850	86	43-104	
Isophorone	3330	2590	78	48-97	
2-Methylnaphthalene	3330	2730	82	51-98	
4,6-Dinitro-2-methylphenol	6660	3480	52	10-110	
2-Nitroaniline	3330	3070	92	51-109	
4-Bromophenyl phenyl ether	3330	2790	84	44-102	
3-Nitroaniline	3330	2410	72	32-104	
4-Chloro-3-methylphenol	6660	5470	82	55-117	
Nitrobenzene	3330	2610	78	42-106	
2-Nitrophenol	6660	5300	80	55-101	
4-Chlorophenyl phenyl ether	3330	3050	92	50-106	
4-Methylphenol	6660	4570	69	47-103	
4-Nitrophenol	6660	6530	98	45-114	
2,4,5-Trichlorophenol	6660	5640	85	50-115	
4-Nitroaniline	3330	2850	86	45-106	
2,4,6-Trichlorophenol	6660	5350	80	53-118	
4-Chloroaniline	3330	1790	54	10-96	
Acenaphthene	3330	2990	90	46-100	
Acenaphthylene	3330	2870	86	51-103	
Acetophenone	3330	2430	73	40-95	
Anthracene	3330	2940	88	50-107	
Benzo[a]anthracene	3330	2890	87	46-112	

Column to be used to flag recovery and RPD values

FORM III 8270C

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: p30179.d

Lab ID: LCS 460-112983/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Atrazine	3330	2270	68	30-100	
Benzo[a]pyrene	3330	2740	82	36-89	
Benzaldehyde	3330	772	23	10-160	
Benzo[b]fluoranthene	3330	2580	78	33-96	
Benzo[g,h,i]perylene	3330	2910	88	43-106	
Benzo[k]fluoranthene	3330	2640	79	35-115	
Chrysene	3330	2970	89	45-114	
Dibenz(a,h)anthracene	3330	3010	90	43-107	
Fluoranthene	3330	3170	95	49-108	
Fluorene	3330	3030	91	51-108	
Bis(2-chloroethoxy)methane	3330	2750	83	51-100	
Indeno[1,2,3-cd]pyrene	3330	2770	83	43-109	
Bis(2-chloroethyl)ether	3330	2430	73	44-101	
Phenanthrene	3330	2980	89	48-108	
Pyrene	3330	2910	88	49-116	
Caprolactam	3330	2220	67	10-127	
Carbazole	3330	3130	94	49-104	
Dibenzofuran	3330	2890	87	52-106	
Diphenyl	3330	2930	88	50-105	
Hexachlorobutadiene	3330	2720	82	45-98	
Hexachloroethane	3330	2690	81	45-90	
Naphthalene	3330	2920	88	53-94	
N-Nitrosodi-n-propylamine	3330	2800	84	42-107	
Pentachlorophenol	6660	5490	82	19-113	
Phenol	6660	4620	69	54-115	

Column to be used to flag recovery and RPD values

FORM III 8270C

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: u76596.d

Lab ID: LCS 460-113111/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
2,2'-oxybis[1-chloropropane]	3330	3010	90	45-102	
N-Nitrosodiphenylamine	3330	2700	81	49-106	
Hexachlorocyclopentadiene	3330	2400	72	24-98	
2,4-Dimethylphenol	6670	6740	101	56-112	
2,6-Dinitrotoluene	3330	3370	101	51-115	
Aniline	3330	2380	71	35-90	
2,4-Dinitrotoluene	3330	3480	104	53-110	
Bis(2-ethylhexyl) phthalate	3330	3140	94	49-119	
Benzoic acid	6670	3040	46	10-137	
2-Chloronaphthalene	3330	2990	90	51-102	
Butyl benzyl phthalate	3330	3020	91	49-117	
2-Chlorophenol	6670	7000	105	56-110	
Di-n-butyl phthalate	3330	3080	92	50-108	
2,4-Dichlorophenol	6670	6690	100	58-115	
Diethyl phthalate	3330	3380	102	52-114	
2,4-Dinitrophenol	6670	1610	24	10-129	
2-Methylphenol	6670	7250	109	54-117	
Dimethyl phthalate	3330	3110	93	52-112	
Di-n-octyl phthalate	3330	2960	89	40-106	
3,3'-Dichlorobenzidine	3330	1800	54	24-105	
Hexachlorobenzene	3330	2880	86	43-104	
Isophorone	3330	2570	77	48-97	
2-Methylnaphthalene	3330	3020	91	51-98	
4,6-Dinitro-2-methylphenol	6670	2400	36	10-110	
2-Nitroaniline	3330	3390	102	51-109	
4-Bromophenyl phenyl ether	3330	3030	91	44-102	
3-Nitroaniline	3330	1950	58	32-104	
4-Chloro-3-methylphenol	6670	6900	104	55-117	
Nitrobenzene	3330	2750	82	42-106	
2-Nitrophenol	6670	6140	92	55-101	
4-Chlorophenyl phenyl ether	3330	3260	98	50-106	
4-Methylphenol	6670	5970	90	47-103	
4-Nitrophenol	6670	6530	98	45-114	
2,4,5-Trichlorophenol	6670	6620	99	50-115	
4-Nitroaniline	3330	2600	78	45-106	
2,4,6-Trichlorophenol	6670	6150	92	53-118	
4-Chloroaniline	3330	1500	45	10-96	
Acenaphthene	3330	2850	86	46-100	
Acenaphthylene	3330	3010	90	51-103	
Acetophenone	3330	2720	81	40-95	
Anthracene	3330	3040	91	50-107	
Benzo[a]anthracene	3330	2800	84	46-112	

Column to be used to flag recovery and RPD values

FORM III 8270C

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: u76596.d

Lab ID: LCS 460-113111/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Atrazine	3330	2210	66	30-100	
Benzo[a]pyrene	3330	2710	81	36-89	
Benzaldehyde	3330	1010	30	10-160	
Benzo[b]fluoranthene	3330	2650	80	33-96	
Benzo[g,h,i]perylene	3330	2280	68	43-106	
Benzo[k]fluoranthene	3330	2550	76	35-115	
Chrysene	3330	2870	86	45-114	
Dibenz(a,h)anthracene	3330	2630	79	43-107	
Fluoranthene	3330	3380	101	49-108	
Fluorene	3330	3130	94	51-108	
Bis(2-chloroethoxy)methane	3330	2990	90	51-100	
Indeno[1,2,3-cd]pyrene	3330	2550	76	43-109	
Bis(2-chloroethyl)ether	3330	2950	88	44-101	
Phenanthrene	3330	3190	96	48-108	
Pyrene	3330	2720	82	49-116	
Caprolactam	3330	2050	62	10-127	
Carbazole	3330	3110	93	49-104	
Dibenzofuran	3330	3170	95	52-106	
Diphenyl	3330	2990	90	50-105	
Hexachlorobutadiene	3330	2540	76	45-98	
Hexachloroethane	3330	2720	82	45-90	
Naphthalene	3330	2820	85	53-94	
N-Nitrosodi-n-propylamine	3330	3320	100	42-107	
Pentachlorophenol	6670	5730	86	19-113	
Phenol	6670	6890	103	54-115	

Column to be used to flag recovery and RPD values

FORM III 8270C

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Lab File ID: p30180.d Lab Sample ID: MB 460-112983/1-A

Matrix: Solid Date Extracted: 05/17/2012 11:25

Instrument ID: BNAMS10 Date Analyzed: 05/18/2012 05:00

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-112983/2-A	p30179.d	05/18/2012 04:33
DB-2 34.5-35'	460-40258-4	p30185.d	05/18/2012 07:19
DB-3 20.5-21'	460-40258-5	p30186.d	05/18/2012 07:46
DB-3 30.5-31'	460-40258-6	p30187.d	05/18/2012 08:13
DB-5 21-21.5'	460-40258-7	p30188.d	05/18/2012 08:40
DB-5 35-35.5'	460-40258-8	p30189.d	05/18/2012 09:07
DB-5 49.5-50'	460-40258-9	p30190.d	05/18/2012 09:34
DB-6 15-15.5'	460-40258-10	p30193.d	05/18/2012 10:55
DB-1 23-23.5'	460-40258-1	p30205.d	05/20/2012 19:07
DB-2 13.5-14'	460-40258-3	p30219.d	05/21/2012 01:22
DB-1 34.5-35'	460-40258-2	p30221.d	05/21/2012 02:16
DB-6 29.5-30'	460-40258-11	p30246.d	05/21/2012 18:13

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Lab File ID: u76597.d Lab Sample ID: MB 460-113111/1-A

Matrix: Solid Date Extracted: 05/18/2012 09:13

Instrument ID: BNAMS4 Date Analyzed: 05/21/2012 11:40

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-113111/2-A	u76596.d	05/21/2012 11:17
DB-6 39.5-40'	460-40258-13	u76603.d	05/21/2012 14:04

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Lab File ID: p30113.d DFTPP Injection Date: 05/16/2012

Instrument ID: BNAMS10 DFTPP Injection Time: 13:20

Analysis Batch No.: 112943

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	35.1	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	41.6	
70	Less than 2.0 % of mass 69	0.0	(0.0)1
127	40.0 - 60.0 % of mass 198	49.3	
197	Less than 1.0 % of mass 198	0.0	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	6.9	
275	10.0 - 30.0 % of mass 198	28.1	
365	Greater than 1.0 % of mass 198	3.6	
441	Present but less than mass 443	13.0	(76.9)1
442	Greater than 40.0 % of mass 198	87.8	
443	17.0 - 23.0 % of mass 442	16.9	(19.3)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	ICIS 460-112943/2	p30114.d	05/16/2012	13:38
	IC 460-112943/3	p30115.d	05/16/2012	14:12
	IC 460-112943/4	p30116.d	05/16/2012	14:39
	IC 460-112943/5	p30117.d	05/16/2012	15:05
	IC 460-112943/6	p30118.d	05/16/2012	15:32
	IC 460-112943/7	p30119.d	05/16/2012	15:59

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Lab File ID: p30176.d DFTPP Injection Date: 05/18/2012

Instrument ID: BNAMS10 DFTPP Injection Time: 03:06

Analysis Batch No.: 113076

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	38.4	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	44.3	
70	Less than 2.0 % of mass 69	0.0	(0.0)1
127	40.0 - 60.0 % of mass 198	52.8	
197	Less than 1.0 % of mass 198	0.0	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	6.7	
275	10.0 - 30.0 % of mass 198	26.1	
365	Greater than 1.0 % of mass 198	3.6	
441	Present but less than mass 443	10.7	(72.8)1
442	Greater than 40.0 % of mass 198	76.4	
443	17.0 - 23.0 % of mass 442	14.7	(19.3)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 460-113076/2	p30177.d	05/18/2012	03:27
	LCS 460-112983/2-A	p30179.d	05/18/2012	04:33
	MB 460-112983/1-A	p30180.d	05/18/2012	05:00
DB-2 34.5-35'	460-40258-4	p30185.d	05/18/2012	07:19
DB-3 20.5-21'	460-40258-5	p30186.d	05/18/2012	07:46
DB-3 30.5-31'	460-40258-6	p30187.d	05/18/2012	08:13
DB-5 21-21.5'	460-40258-7	p30188.d	05/18/2012	08:40
DB-5 35-35.5'	460-40258-8	p30189.d	05/18/2012	09:07
DB-5 49.5-50'	460-40258-9	p30190.d	05/18/2012	09:34
DB-6 15-15.5'	460-40258-10	p30193.d	05/18/2012	10:55

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Lab File ID: p30202.d DFTPP Injection Date: 05/20/2012

Instrument ID: BNAMS10 DFTPP Injection Time: 17:23

Analysis Batch No.: 113356

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	39.5	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	41.8	
70	Less than 2.0 % of mass 69	0.0	(0.0)1
127	40.0 - 60.0 % of mass 198	51.7	
197	Less than 1.0 % of mass 198	0.0	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	6.3	
275	10.0 - 30.0 % of mass 198	27.4	
365	Greater than 1.0 % of mass 198	2.9	
441	Present but less than mass 443	11.0	(73.5)1
442	Greater than 40.0 % of mass 198	76.7	
443	17.0 - 23.0 % of mass 442	14.9	(19.4)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 460-113356/2	p30204.d	05/20/2012	18:26
DB-1 23-23.5'	460-40258-1	p30205.d	05/20/2012	19:07
DB-2 13.5-14'	460-40258-3	p30219.d	05/21/2012	01:22
DB-1 34.5-35'	460-40258-2	p30221.d	05/21/2012	02:16

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Lab File ID: p30240.d DFTPP Injection Date: 05/21/2012

Instrument ID: BNAMS10 DFTPP Injection Time: 15:40

Analysis Batch No.: 113487

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	33.8	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	39.2	
70	Less than 2.0 % of mass 69	0.0	(0.0)1
127	40.0 - 60.0 % of mass 198	48.5	
197	Less than 1.0 % of mass 198	0.0	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	6.3	
275	10.0 - 30.0 % of mass 198	26.4	
365	Greater than 1.0 % of mass 198	3.4	
441	Present but less than mass 443	12.4	(77.9)1
442	Greater than 40.0 % of mass 198	88.4	
443	17.0 - 23.0 % of mass 442	15.9	(17.9)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 460-113487/2	p30241.d	05/21/2012	15:59
DB-6 29.5-30'	460-40258-11	p30246.d	05/21/2012	18:13

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Lab File ID: u76537.d DFTPP Injection Date: 05/18/2012

Instrument ID: BNAMS4 DFTPP Injection Time: 11:19

Analysis Batch No.: 113330

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	55.1	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	73.3	
70	Less than 2.0 % of mass 69	0.3	(0.4)1
127	40.0 - 60.0 % of mass 198	46.2	
197	Less than 1.0 % of mass 198	0.0	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	7.2	
275	10.0 - 30.0 % of mass 198	19.8	
365	Greater than 1.0 % of mass 198	2.6	
441	Present but less than mass 443	9.8	(84.7)1
442	Greater than 40.0 % of mass 198	61.5	
443	17.0 - 23.0 % of mass 442	11.6	(18.9)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	ICIS 460-113330/2	u76538.d	05/18/2012	12:10
	IC 460-113330/3	u76539.d	05/18/2012	12:32
	IC 460-113330/4	u76540.d	05/18/2012	12:55
	IC 460-113330/5	u76541.d	05/18/2012	13:18
	IC 460-113330/6	u76542.d	05/18/2012	13:41
	IC 460-113330/7	u76543.d	05/18/2012	14:04

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Lab File ID: u76591.d DFTPP Injection Date: 05/21/2012

Instrument ID: BNAMS4 DFTPP Injection Time: 09:16

Analysis Batch No.: 113358

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	59.7	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	81.1	
70	Less than 2.0 % of mass 69	0.1	(0.2)1
127	40.0 - 60.0 % of mass 198	46.1	
197	Less than 1.0 % of mass 198	0.0	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	7.4	
275	10.0 - 30.0 % of mass 198	19.7	
365	Greater than 1.0 % of mass 198	3.0	
441	Present but less than mass 443	10.0	(81.5)1
442	Greater than 40.0 % of mass 198	65.0	
443	17.0 - 23.0 % of mass 442	12.3	(18.8)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 460-113358/2	u76592.d	05/21/2012	09:35
	LCS 460-113111/2-A	u76596.d	05/21/2012	11:17
	MB 460-113111/1-A	u76597.d	05/21/2012	11:40
DB-6 39.5-40'	460-40258-13	u76603.d	05/21/2012	14:04

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Lab File ID: u76722.d DFTPP Injection Date: 05/24/2012

Instrument ID: BNAMS4 DFTPP Injection Time: 03:43

Analysis Batch No.: 113782

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	59.2	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	82.4	
70	Less than 2.0 % of mass 69	0.2	(0.3)1
127	40.0 - 60.0 % of mass 198	46.7	
197	Less than 1.0 % of mass 198	0.0	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	6.9	
275	10.0 - 30.0 % of mass 198	19.5	
365	Greater than 1.0 % of mass 198	2.7	
441	Present but less than mass 443	9.0	(84.0)1
442	Greater than 40.0 % of mass 198	56.7	
443	17.0 - 23.0 % of mass 442	10.7	(18.8)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	ICIS 460-113782/2	u76723.d	05/24/2012	04:04
	IC 460-113782/3	u76724.d	05/24/2012	04:47
	IC 460-113782/4	u76725.d	05/24/2012	05:10
	IC 460-113782/5	u76726.d	05/24/2012	05:33
	IC 460-113782/6	u76727.d	05/24/2012	05:56
	IC 460-113782/7	u76728.d	05/24/2012	06:18

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Lab File ID: u76730.d DFTPP Injection Date: 05/24/2012

Instrument ID: BNAMS4 DFTPP Injection Time: 11:52

Analysis Batch No.: 113911

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	56.1	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	72.3	
70	Less than 2.0 % of mass 69	0.0	(0.0)1
127	40.0 - 60.0 % of mass 198	44.2	
197	Less than 1.0 % of mass 198	0.0	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	7.3	
275	10.0 - 30.0 % of mass 198	20.6	
365	Greater than 1.0 % of mass 198	2.9	
441	Present but less than mass 443	9.2	(77.3)1
442	Greater than 40.0 % of mass 198	58.9	
443	17.0 - 23.0 % of mass 442	11.8	(20.1)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 460-113911/2	u76731.d	05/24/2012	12:12

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

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Sample No.: CCVIS 460-113076/2 Date Analyzed: 05/18/2012 03:27

Instrument ID: BNAMS10 GC Column: Rtx-5MS ID: 0.25(mm)

Lab File ID (Standard): p30177.d Heated Purge: (Y/N) N

Calibration ID: 15588

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		631178	4.56	2010946	5.92	985641	7.71
UPPER LIMIT		1262356	5.06	4021892	6.42	1971282	8.21
LOWER LIMIT		315589	4.06	1005473	5.42	492821	7.21
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-112983/2-A		532525	4.55	1714853	5.92	877425	7.71
MB 460-112983/1-A		477084	4.55	1608589	5.91	862709	7.71
460-40258-4	DB-2 34.5-35'	484798	4.55	1609217	5.91	844336	7.71
460-40258-5	DB-3 20.5-21'	632573	4.55	2054267	5.91	1099359	7.71
460-40258-6	DB-3 30.5-31'	463372	4.55	1556909	5.91	818692	7.71
460-40258-7	DB-5 21-21.5'	591969	4.55	1905335	5.91	923080	7.71
460-40258-8	DB-5 35-35.5'	581684	4.55	1918006	5.91	1018400	7.71
460-40258-9	DB-5 49.5-50'	601142	4.55	2027608	5.91	1116018	7.71
460-40258-10	DB-6 15-15.5'	606343	4.55	1952833	5.91	913231	7.71

DCB = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270C

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

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Sample No.: CCVIS 460-113076/2 Date Analyzed: 05/18/2012 03:27

Instrument ID: BNAMS10 GC Column: Rtx-5MS ID: 0.25(mm)

Lab File ID (Standard): p30177.d Heated Purge: (Y/N) N

Calibration ID: 15588

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		1202630	9.19	641767	11.94	445628	13.83
UPPER LIMIT		2405260	9.69	1283534	12.44	891256	14.33
LOWER LIMIT		601315	8.69	320884	11.44	222814	13.33
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-112983/2-A		1176156	9.18	671636	11.93	573109	13.83
MB 460-112983/1-A		1138874	9.18	650258	11.93	494327	13.82
460-40258-4	DB-2 34.5-35'	1063361	9.18	662876	11.93	586912	13.83
460-40258-5	DB-3 20.5-21'	1353386	9.18	635407	11.93	563267	13.83
460-40258-6	DB-3 30.5-31'	1086338	9.18	617160	11.93	550751	13.82
460-40258-7	DB-5 21-21.5'	1048758	9.18	565599	11.93	511939	13.83
460-40258-8	DB-5 35-35.5'	1281235	9.18	720343	11.93	575698	13.82
460-40258-9	DB-5 49.5-50'	1387399	9.18	655182	11.93	543659	13.82
460-40258-10	DB-6 15-15.5'	1026662	9.18	565010	11.93	532439	13.83

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270C

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

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Sample No.: CCVIS 460-113356/2 Date Analyzed: 05/20/2012 18:26

Instrument ID: BNAMS10 GC Column: Rtx-5MS ID: 0.25(mm)

Lab File ID (Standard): p30204.d Heated Purge: (Y/N) N

Calibration ID: 15588

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		500431	4.49	1511439	5.85	715368	7.65
UPPER LIMIT		1000862	4.99	3022878	6.35	1430736	8.15
LOWER LIMIT		250216	3.99	755720	5.35	357684	7.15
LAB SAMPLE ID	CLIENT SAMPLE ID						
460-40258-1	DB-1 23-23.5'	398947	4.48	1335443	5.84	701908	7.64
460-40258-3	DB-2 13.5-14'	530243	4.48	1641386	5.84	788123	7.64
460-40258-2	DB-1 34.5-35'	599341	4.48	1838415	5.84	837287	7.64

DCB = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270C

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

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Sample No.: CCVIS 460-113356/2 Date Analyzed: 05/20/2012 18:26

Instrument ID: BNAMS10 GC Column: Rtx-5MS ID: 0.25(mm)

Lab File ID (Standard): p30204.d Heated Purge: (Y/N) N

Calibration ID: 15588

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		855075	9.12	541950	11.85	433486	13.72
UPPER LIMIT		1710150	9.62	1083900	12.35	866972	14.22
LOWER LIMIT		427538	8.62	270975	11.35	216743	13.22
LAB SAMPLE ID	CLIENT SAMPLE ID						
460-40258-1	DB-1 23-23.5'	943059	9.12	612486	11.84	527300	13.72
460-40258-3	DB-2 13.5-14'	969699	9.11	561880	11.84	529942	13.72
460-40258-2	DB-1 34.5-35'	953662	9.11	528345	11.84	536058	13.72

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270C

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

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Sample No.: CCVIS 460-113487/2 Date Analyzed: 05/21/2012 15:59

Instrument ID: BNAMS10 GC Column: Rtx-5MS ID: 0.25(mm)

Lab File ID (Standard): p30241.d Heated Purge: (Y/N) N

Calibration ID: 15588

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		693400	4.46	2123688	5.83	1088108	7.62
UPPER LIMIT		1386800	4.96	4247376	6.33	2176216	8.12
LOWER LIMIT		346700	3.96	1061844	5.33	544054	7.12
LAB SAMPLE ID	CLIENT SAMPLE ID						
460-40258-11	DB-6 29.5-30'	530055	4.45	1686469	5.82	754419	7.61

DCB = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270C

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

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Sample No.: CCVIS 460-113487/2 Date Analyzed: 05/21/2012 15:59

Instrument ID: BNAMS10 GC Column: Rtx-5MS ID: 0.25(mm)

Lab File ID (Standard): p30241.d Heated Purge: (Y/N) N

Calibration ID: 15588

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		1366536	9.09	730556	11.81	506458	13.68
UPPER LIMIT		2733072	9.59	1461112	12.31	1012916	14.18
LOWER LIMIT		683268	8.59	365278	11.31	253229	13.18
LAB SAMPLE ID	CLIENT SAMPLE ID						
460-40258-11	DB-6 29.5-30'	908588	9.09	562371	11.81	514541	13.68

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270C

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

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Sample No.: CCVIS 460-113358/2 Date Analyzed: 05/21/2012 09:35

Instrument ID: BNAMS4 GC Column: Rtx-5MS ID: 0.25(mm)

Lab File ID (Standard): u76592.d Heated Purge: (Y/N) N

Calibration ID: 15641

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		73739	4.38	253909	5.67	195633	7.44
UPPER LIMIT		147478	4.88	507818	6.17	391266	7.94
LOWER LIMIT		36870	3.88	126955	5.17	97817	6.94
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-113111/2-A		84905	4.38	308317	5.68	233945	7.44
MB 460-113111/1-A		64221	4.37	228563	5.67	163792	7.43
460-40258-13	DB-6 39.5-40'	73008	4.38	260382	5.67	190345	7.43

DCB = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270C

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

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Sample No.: CCVIS 460-113358/2 Date Analyzed: 05/21/2012 09:35

Instrument ID: BNAMS4 GC Column: Rtx-5MS ID: 0.25(mm)

Lab File ID (Standard): u76592.d Heated Purge: (Y/N) N

Calibration ID: 15641

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		327996	8.92	293676	11.71	150823	13.64
UPPER LIMIT		655992	9.42	587352	12.21	301646	14.14
LOWER LIMIT		163998	8.42	146838	11.21	75412	13.14
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-113111/2-A		438614	8.92	450421	11.71	292563	13.65
MB 460-113111/1-A		309796	8.91	315092	11.70	285057	13.64
460-40258-13	DB-6 39.5-40'	340527	8.91	186534	11.70	152134	13.63

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270C

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-40258-1

SDG No.:

Client Sample ID: DB-1 23-23.5' | Lab Sample ID: 460-40258-1

Matrix: Solid | Lab File ID: p30205.d

Analysis Method: 8270C | Date Collected: 05/10/2012 12:35

Extract. Method: 3541 | Date Extracted: 05/17/2012 11:25

Sample wt/vol: 15.04(g) | Date Analyzed: 05/20/2012 19:07

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 14.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 113356 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-94-3	1,2,4,5-Tetrachlorobenzene	52	U	380	52
108-60-1	2,2'-oxybis[1-chloropropane]	43	U	380	43
58-90-2	2,3,4,6-Tetrachlorophenol	50	U	380	50
86-30-6	N-Nitrosodiphenylamine	38	U	380	38
77-47-4	Hexachlorocyclopentadiene	45	U	380	45
105-67-9	2,4-Dimethylphenol	95	U	380	95
606-20-2	2,6-Dinitrotoluene	12	U	78	12
62-53-3	Aniline	110	U	380	110
121-14-2	2,4-Dinitrotoluene	13	U	78	13
117-81-7	Bis(2-ethylhexyl) phthalate	130	U	380	130
65-85-0	Benzoic acid	380	U	380	380
91-58-7	2-Chloronaphthalene	43	U	380	43
85-68-7	Butyl benzyl phthalate	35	U	380	35
95-57-8	2-Chlorophenol	51	U	380	51
84-74-2	Di-n-butyl phthalate	47	U	380	47
120-83-2	2,4-Dichlorophenol	56	U	380	56
84-66-2	Diethyl phthalate	46	U	380	46
51-28-5	2,4-Dinitrophenol	220	U	1200	220
95-48-7	2-Methylphenol	65	U	380	65
131-11-3	Dimethyl phthalate	46	U	380	46
117-84-0	Di-n-octyl phthalate	25	U	380	25
91-94-1	3,3'-Dichlorobenzidine	130	U	780	130
118-74-1	Hexachlorobenzene	5.2	U	38	5.2
78-59-1	Isophorone	47	U	380	47
91-57-6	2-Methylnaphthalene	49	U	380	49
534-52-1	4,6-Dinitro-2-methylphenol	100	U	1200	100
88-74-4	2-Nitroaniline	160	U	780	160
101-55-3	4-Bromophenyl phenyl ether	38	U	380	38
99-09-2	3-Nitroaniline	140	U	780	140
59-50-7	4-Chloro-3-methylphenol	58	U	380	58
98-95-3	Nitrobenzene	5.5	U	38	5.5
88-75-5	2-Nitrophenol	43	U	380	43
7005-72-3	4-Chlorophenyl phenyl ether	45	U	380	45
106-44-5	4-Methylphenol	76	U	380	76

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-40258-1

SDG No.:

Client Sample ID: DB-1 23-23.5' | Lab Sample ID: 460-40258-1

Matrix: Solid | Lab File ID: p30205.d

Analysis Method: 8270C | Date Collected: 05/10/2012 12:35

Extract. Method: 3541 | Date Extracted: 05/17/2012 11:25

Sample wt/vol: 15.04(g) | Date Analyzed: 05/20/2012 19:07

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 14.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 113356 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-02-7	4-Nitrophenol	250	U	1200	250
95-95-4	2,4,5-Trichlorophenol	50	U	380	50
100-01-6	4-Nitroaniline	120	U	780	120
88-06-2	2,4,6-Trichlorophenol	45	U	380	45
106-47-8	4-Chloroaniline	100	U	380	100
83-32-9	Acenaphthene	56	U	380	56
208-96-8	Acenaphthylene	45	U	380	45
98-86-2	Acetophenone	59	U	380	59
120-12-7	Anthracene	47	U	380	47
56-55-3	Benzo[a]anthracene	2.7	U	38	2.7
1912-24-9	Atrazine	59	U	380	59
50-32-8	Benzo[a]pyrene	2.7	U	38	2.7
100-52-7	Benzaldehyde	45	U	380	45
205-99-2	Benzo[b]fluoranthene	2.4	U	38	2.4
191-24-2	Benzo[g,h,i]perylene	28	U	380	28
207-08-9	Benzo[k]fluoranthene	2.9	U	38	2.9
218-01-9	Chrysene	45	U	380	45
53-70-3	Dibenz(a,h)anthracene	4.8	U	38	4.8
206-44-0	Fluoranthene	51	U	380	51
86-73-7	Fluorene	49	U	380	49
111-91-1	Bis(2-chloroethoxy)methane	50	U	380	50
193-39-5	Indeno[1,2,3-cd]pyrene	7.1	U	38	7.1
111-44-4	Bis(2-chloroethyl)ether	5.2	U	38	5.2
85-01-8	Phenanthrene	49	U	380	49
129-00-0	Pyrene	32	U	380	32
105-60-2	Caprolactam	88	U	380	88
86-74-8	Carbazole	45	U	380	45
132-64-9	Dibenzofuran	45	U	380	45
92-52-4	Diphenyl	51	U	380	51
87-68-3	Hexachlorobutadiene	9.4	U	78	9.4
67-72-1	Hexachloroethane	4.3	U	38	4.3
91-20-3	Naphthalene	44	U	380	44
621-64-7	N-Nitrosodi-n-propylamine	6.4	U	38	6.4
87-86-5	Pentachlorophenol	110	U	1200	110

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Client Sample ID: DB-1 23-23.5' Lab Sample ID: 460-40258-1

Matrix: Solid Lab File ID: p30205.d

Analysis Method: 8270C Date Collected: 05/10/2012 12:35

Extract. Method: 3541 Date Extracted: 05/17/2012 11:25

Sample wt/vol: 15.04(g) Date Analyzed: 05/20/2012 19:07

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: 14.1 GPC Cleanup:(Y/N) N

Analysis Batch No.: 113356 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-95-2	Phenol	52	U	380	52
15831-10-4	3 & 4 Methylphenol	65	U	380	65

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	67		38-105
4165-62-2	Phenol-d5	73		41-118
1718-51-0	Terphenyl-d14	89		16-151
367-12-4	2-Fluorophenol	69		37-125
118-79-6	2,4,6-Tribromophenol	60		10-120
321-60-8	2-Fluorobiphenyl	78		40-109

Data File: /chem/BNAMS10.i/8270/05-16-12/20may12.b/p30205.d
Report Date: 21-May-2012 12:08

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS10.i/8270/05-16-12/20may12.b/p30205.d
Lab Smp Id: 460-40258-C-1-A Client Smp ID: DB-1 23-23.5'
Inj Date : 20-MAY-2012 19:07
Operator : BNAMS 4 Inst ID: BNAMS10.i
Smp Info : 460-40258-C-1-A
Misc Info : 460-40258-C-1-A
Comment   :
Method   : /chem/BNAMS10.i/8270/05-16-12/20may12.b/8270C_11.m
Meth Date : 20-May-2012 18:47 asfawa Quant Type: ISTD
Cal Date : 16-MAY-2012 15:59 Cal File: p30119.d
Als bottle: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * Uf*1000*Vt/(Ws*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.04000	Weight of sample extracted (g)
M	14.11150	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)
$ 16 2-Fluorophenol (SUR)	112	3.089	3.065	(0.689)	947936	69.3785	5400
$ 17 Phenol-d5 (SUR)	99	4.094	4.100	(0.913)	1188166	72.9912	5600
* 79 1,4-Dichlorobenzene-d4	152	4.482	4.487	(1.000)	398947	40.0000	
$ 76 Nitrobenzene-d5 (SUR)	82	5.081	5.093	(0.869)	492205	33.3221	2600
* 80 Naphthalene-d8	136	5.845	5.850	(1.000)	1335443	40.0000	
$ 77 2-Fluorobiphenyl (SUR)	172	6.973	6.973	(0.912)	936694	39.0286	3000
* 82 Acenaphthene-d10	164	7.643	7.648	(1.000)	701908	40.0000	
$ 18 2,4,6-Tribromophenol (SUR)	330	8.430	8.430	(1.103)	156707	59.7960	4600
* 83 Phenanthrene-d10	188	9.117	9.117	(1.000)	943059	40.0000	
$ 78 Terphenyl-d14	244	10.692	10.692	(0.903)	780588	44.3310	3400
* 81 Chrysene-d12	240	11.844	11.849	(1.000)	612486	40.0000	
* 84 Perylene-d12	264	13.724	13.724	(1.000)	527300	40.0000	

Data File: p30205.d

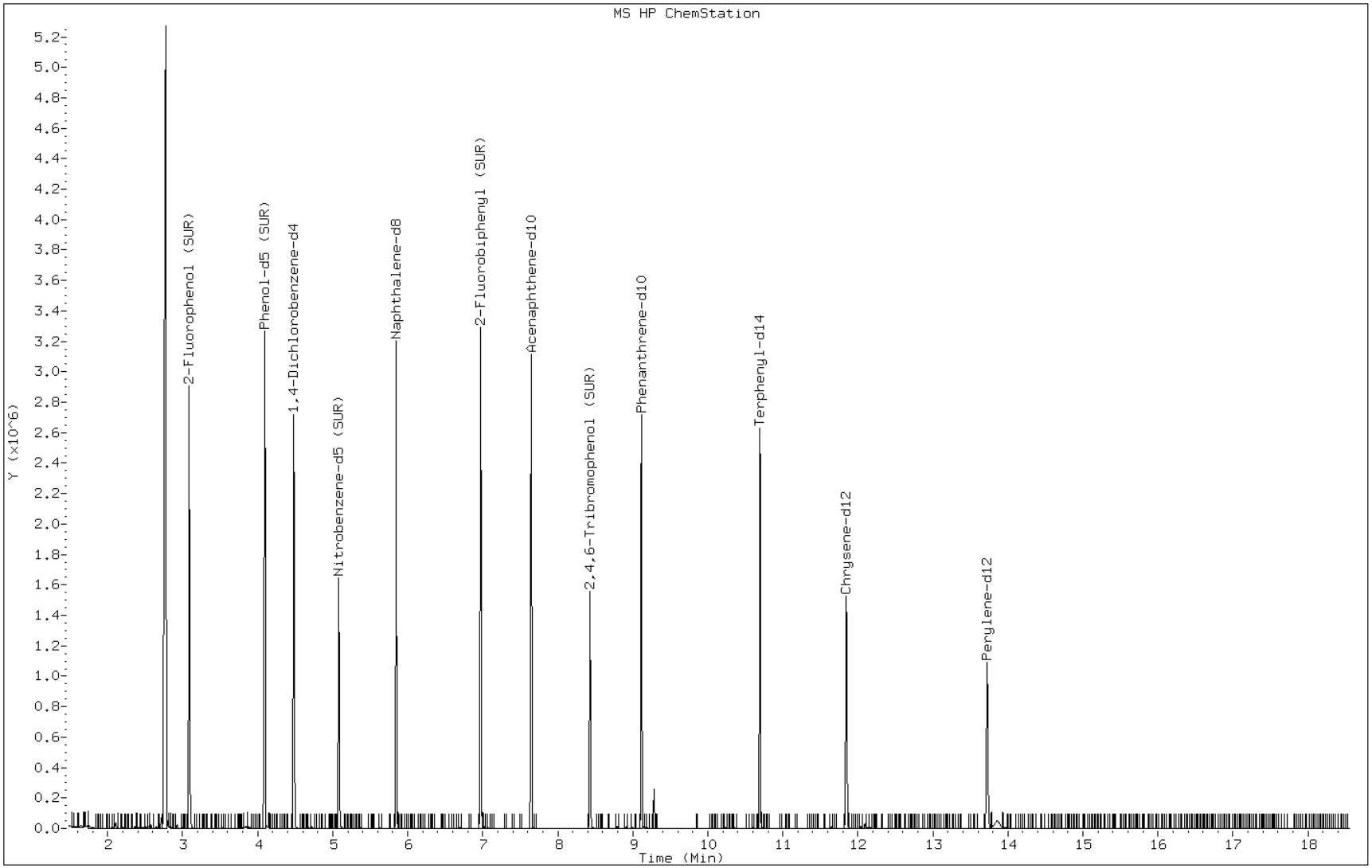
Date: 20-MAY-2012 19:07

Client ID: DB-1 23-23.5'

Instrument: BNAMS10.i

Sample Info: 460-40258-C-1-A

Operator: BNAMS 4



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-40258-1

SDG No.:

Client Sample ID: DB-1 34.5-35' | Lab Sample ID: 460-40258-2

Matrix: Solid | Lab File ID: p30221.d

Analysis Method: 8270C | Date Collected: 05/10/2012 12:45

Extract. Method: 3541 | Date Extracted: 05/17/2012 11:25

Sample wt/vol: 15.00(g) | Date Analyzed: 05/21/2012 02:16

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 16.6 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 113356 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-94-3	1,2,4,5-Tetrachlorobenzene	53	U	400	53
108-60-1	2,2'-oxybis[1-chloropropane]	44	U	400	44
58-90-2	2,3,4,6-Tetrachlorophenol	52	U	400	52
86-30-6	N-Nitrosodiphenylamine	39	U	400	39
77-47-4	Hexachlorocyclopentadiene	47	U	400	47
105-67-9	2,4-Dimethylphenol	98	U	400	98
606-20-2	2,6-Dinitrotoluene	12	U	80	12
62-53-3	Aniline	110	U	400	110
121-14-2	2,4-Dinitrotoluene	13	U	80	13
117-81-7	Bis(2-ethylhexyl) phthalate	5400		400	130
65-85-0	Benzoic acid	400	U	400	400
91-58-7	2-Chloronaphthalene	44	U	400	44
85-68-7	Butyl benzyl phthalate	36	U	400	36
95-57-8	2-Chlorophenol	52	U	400	52
84-74-2	Di-n-butyl phthalate	49	U	400	49
120-83-2	2,4-Dichlorophenol	58	U	400	58
84-66-2	Diethyl phthalate	47	U	400	47
51-28-5	2,4-Dinitrophenol	230	U	1200	230
95-48-7	2-Methylphenol	68	U	400	68
131-11-3	Dimethyl phthalate	47	U	400	47
117-84-0	Di-n-octyl phthalate	25	U	400	25
91-94-1	3,3'-Dichlorobenzidine	140	U	800	140
118-74-1	Hexachlorobenzene	5.4	U	40	5.4
78-59-1	Isophorone	48	U	400	48
91-57-6	2-Methylnaphthalene	66	J	400	51
534-52-1	4,6-Dinitro-2-methylphenol	110	U	1200	110
88-74-4	2-Nitroaniline	170	U	800	170
101-55-3	4-Bromophenyl phenyl ether	39	U	400	39
99-09-2	3-Nitroaniline	140	U	800	140
59-50-7	4-Chloro-3-methylphenol	60	U	400	60
98-95-3	Nitrobenzene	5.6	U	40	5.6
88-75-5	2-Nitrophenol	44	U	400	44
7005-72-3	4-Chlorophenyl phenyl ether	47	U	400	47
106-44-5	4-Methylphenol	78	U	400	78

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-40258-1

SDG No.:

Client Sample ID: DB-1 34.5-35' | Lab Sample ID: 460-40258-2

Matrix: Solid | Lab File ID: p30221.d

Analysis Method: 8270C | Date Collected: 05/10/2012 12:45

Extract. Method: 3541 | Date Extracted: 05/17/2012 11:25

Sample wt/vol: 15.00(g) | Date Analyzed: 05/21/2012 02:16

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 16.6 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 113356 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-02-7	4-Nitrophenol	260	U	1200	260
95-95-4	2,4,5-Trichlorophenol	51	U	400	51
100-01-6	4-Nitroaniline	120	U	800	120
88-06-2	2,4,6-Trichlorophenol	46	U	400	46
106-47-8	4-Chloroaniline	110	U	400	110
83-32-9	Acenaphthene	420		400	58
208-96-8	Acenaphthylene	99	J	400	47
98-86-2	Acetophenone	61	U	400	61
120-12-7	Anthracene	280	J	400	48
56-55-3	Benzo[a]anthracene	1000		40	2.8
1912-24-9	Atrazine	61	U	400	61
50-32-8	Benzo[a]pyrene	880		40	2.8
100-52-7	Benzaldehyde	47	U	400	47
205-99-2	Benzo[b]fluoranthene	820		40	2.5
191-24-2	Benzo[g,h,i]perylene	530		400	29
207-08-9	Benzo[k]fluoranthene	340		40	3.0
218-01-9	Chrysene	1000		400	46
53-70-3	Dibenz(a,h)anthracene	110		40	5.0
206-44-0	Fluoranthene	1100		400	53
86-73-7	Fluorene	120	J	400	51
111-91-1	Bis(2-chloroethoxy)methane	51	U	400	51
193-39-5	Indeno[1,2,3-cd]pyrene	530		40	7.4
111-44-4	Bis(2-chloroethyl)ether	5.4	U	40	5.4
85-01-8	Phenanthrene	720		400	50
129-00-0	Pyrene	1600		400	33
105-60-2	Caprolactam	91	U	400	91
86-74-8	Carbazole	96	J	400	47
132-64-9	Dibenzofuran	55	J	400	47
92-52-4	Diphenyl	53	U	400	53
87-68-3	Hexachlorobutadiene	9.7	U	80	9.7
67-72-1	Hexachloroethane	4.4	U	40	4.4
91-20-3	Naphthalene	130	J	400	46
621-64-7	N-Nitrosodi-n-propylamine	6.6	U	40	6.6
87-86-5	Pentachlorophenol	120	U	1200	120

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-40258-1

SDG No.:

Client Sample ID: DB-1 34.5-35' | Lab Sample ID: 460-40258-2

Matrix: Solid | Lab File ID: p30221.d

Analysis Method: 8270C | Date Collected: 05/10/2012 12:45

Extract. Method: 3541 | Date Extracted: 05/17/2012 11:25

Sample wt/vol: 15.00(g) | Date Analyzed: 05/21/2012 02:16

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 16.6 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 113356 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-95-2	Phenol	53	U	400	53
15831-10-4	3 & 4 Methylphenol	68	U	400	68

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	77		38-105
4165-62-2	Phenol-d5	74		41-118
1718-51-0	Terphenyl-d14	92		16-151
367-12-4	2-Fluorophenol	71		37-125
118-79-6	2,4,6-Tribromophenol	72		10-120
321-60-8	2-Fluorobiphenyl	92		40-109

Data File: /chem/BNAMS10.i/8270/05-16-12/20may12.b/p30221.d
Report Date: 22-May-2012 04:12

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS10.i/8270/05-16-12/20may12.b/p30221.d
Lab Smp Id: 460-40258-B-2-A Client Smp ID: DB-1 34.5-35'
Inj Date : 21-MAY-2012 02:16
Operator : BNAMS 4 Inst ID: BNAMS10.i
Smp Info : 460-40258-B-2-A
Misc Info : 460-40258-B-2-A
Comment   :
Method   : /chem/BNAMS10.i/8270/05-16-12/20may12.b/8270C_11.m
Meth Date : 20-May-2012 18:47 asfawa Quant Type: ISTD
Cal Date : 16-MAY-2012 15:59 Cal File: p30119.d
Als bottle: 20
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * Uf*1000*Vt/(Ws*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	16.60839	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)
$ 16 2-Fluorophenol (SUR)	112	3.113	3.065	(0.695)	1458117	71.0361	5700
$ 17 Phenol-d5 (SUR)	99	4.100	4.100	(0.915)	1809526	73.9945	5900
* 79 1,4-Dichlorobenzene-d4	152	4.482	4.487	(1.000)	599341	40.0000	
22 1,4-Dichlorobenzene	146	4.499	4.505	(1.004)	3179	0.13798	11(a)
$ 76 Nitrobenzene-d5 (SUR)	82	5.081	5.093	(0.869)	778077	38.2641	3000
* 80 Naphthalene-d8	136	5.845	5.850	(1.000)	1838415	40.0000	
31 Naphthalene	128	5.862	5.874	(1.003)	97376	1.61886	130(a)
34 2-Methylnaphthalene	142	6.591	6.591	(1.128)	25384	0.82474	66(a)
120 1-Methylnaphthalene	142	6.685	6.697	(1.144)	18596	0.59062	47(a)
$ 77 2-Fluorobiphenyl (SUR)	172	6.973	6.973	(0.912)	1318175	46.0431	3700
125 1,3-Dimethylnaphthalene	156	7.302	7.313	(0.955)	12494	0.59383	47(a)
39 Acenaphthylene	152	7.496	7.501	(0.981)	44696	1.24370	99(aH)
* 82 Acenaphthene-d10	164	7.643	7.648	(1.000)	837287	40.0000	

Data File: /chem/BNAMS10.i/8270/05-16-12/20may12.b/p30221.d
Report Date: 22-May-2012 04:12

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
	42 Acenaphthene	154	7.672	7.678	(1.004)	113282	5.23437	420
	43 Dibenzofuran	168	7.848	7.854	(1.027)	20891	0.68980	55(a)
	47 Fluorene	166	8.189	8.195	(1.071)	36906	1.54898	120(aH)
$	18 2,4,6-Tribromophenol (SUR)	330	8.430	8.430	(1.103)	225378	72.0943	5800
	115 n-Octadecane	57	9.029	9.029	(0.991)	5857	0.47104	38(a)
*	83 Phenanthrene-d10	188	9.112	9.117	(1.000)	953662	40.0000	
	52 Phenanthrene	178	9.135	9.141	(1.003)	232778	9.04811	720
	53 Anthracene	178	9.188	9.194	(1.008)	89447	3.44881	280(a)
	54 Carbazole	167	9.347	9.352	(1.026)	24870	1.19831	96(a)
	56 Fluoranthene	202	10.316	10.310	(1.132)	303426	14.0591	1100
	57 Pyrene	202	10.534	10.533	(0.889)	453684	20.0547	1600
$	78 Terphenyl-d14	244	10.692	10.692	(0.903)	698109	45.9608	3700
	61 Benzo(a)anthracene	228	11.832	11.838	(0.999)	202496	12.8451	1000
*	81 Chrysene-d12	240	11.844	11.849	(1.000)	528345	40.0000	
	62 Chrysene	228	11.873	11.879	(1.002)	184363	12.9082	1000
	63 bis(2-Ethylhexyl)phthalate	149	11.891	11.891	(1.004)	830970	67.8376	5400
	65 Benzo(b)fluoranthene	252	13.207	13.213	(0.962)	180584	10.2786	820
	66 Benzo(k)fluoranthene	252	13.242	13.248	(0.965)	75954	4.25984	340(H)
	67 Benzo(a)pyrene	252	13.642	13.647	(0.994)	155454	11.0367	880
*	84 Perylene-d12	264	13.724	13.724	(1.000)	536058	40.0000	
	68 Indeno(1,2,3-cd)pyrene	276	15.175	15.187	(1.106)	84657	6.60241	530
	69 Dibenz(a,h)anthracene	278	15.205	15.222	(1.108)	18007	1.43029	110
	70 Benzo(g,h,i)perylene	276	15.569	15.580	(1.134)	86761	6.62740	530

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
H - Operator selected an alternate compound hit.

Data File: p30221.d

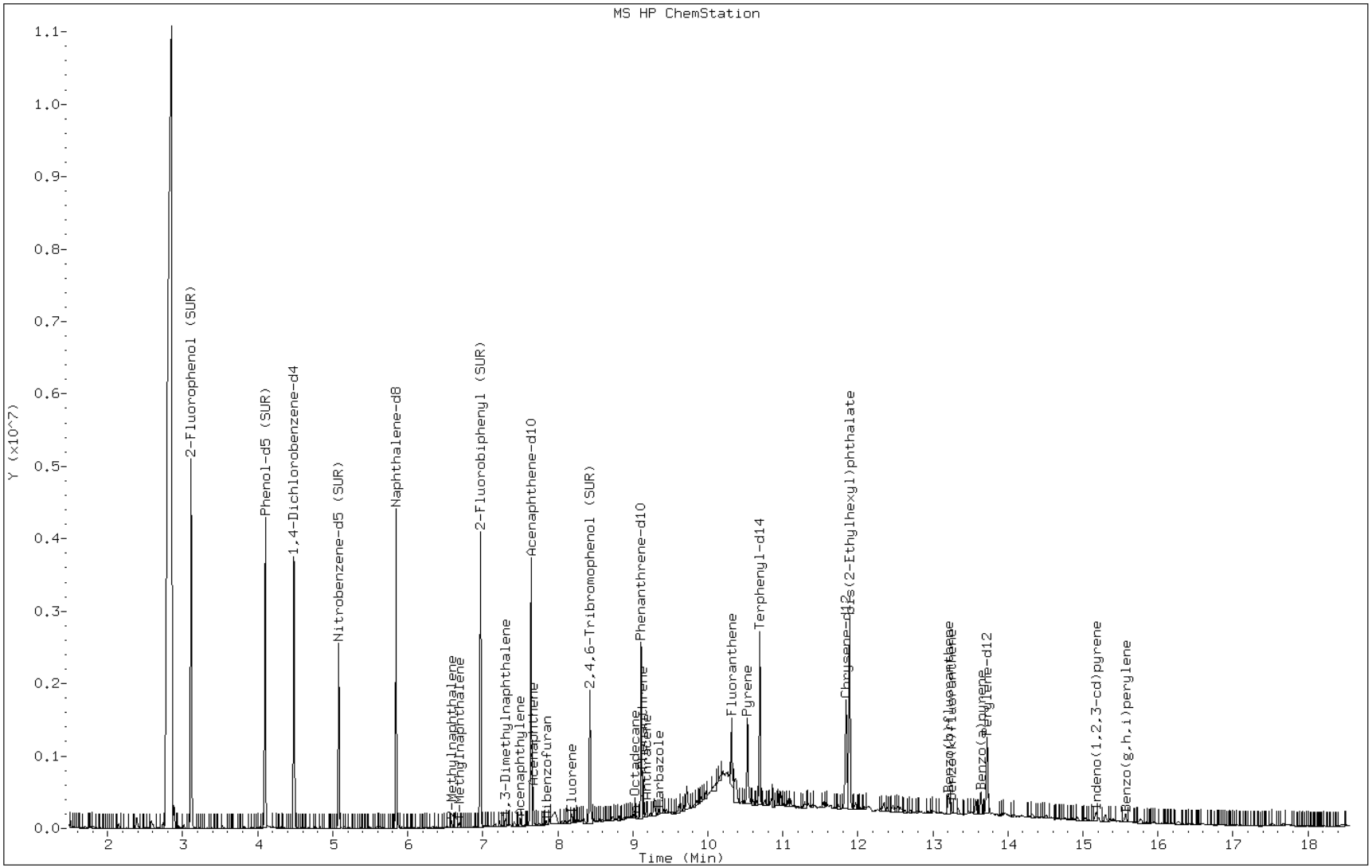
Date: 21-MAY-2012 02:16

Client ID: DB-1 34.5-35'

Instrument: BNAMS10.i

Sample Info: 460-40258-B-2-A

Operator: BNAMS 4



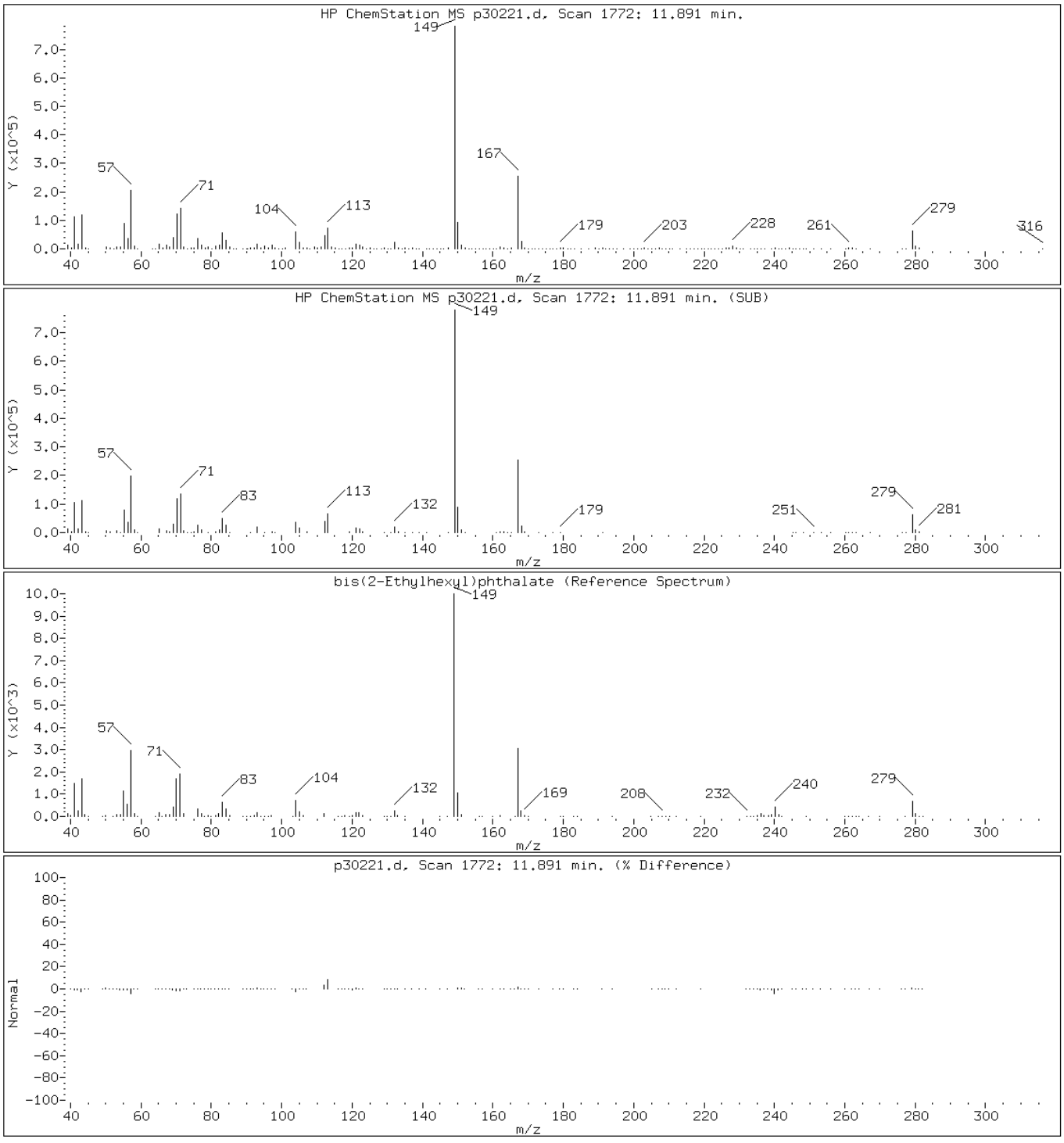
Data File: p30221.d

Date: 21-MAY-2012 02:16

Client ID: DB-1 34.5-35' Instrument: BNAMS10.i

Sample Info: 460-40258-B-2-A Operator: BNAMS 4

63 bis(2-Ethylhexyl)phthalate



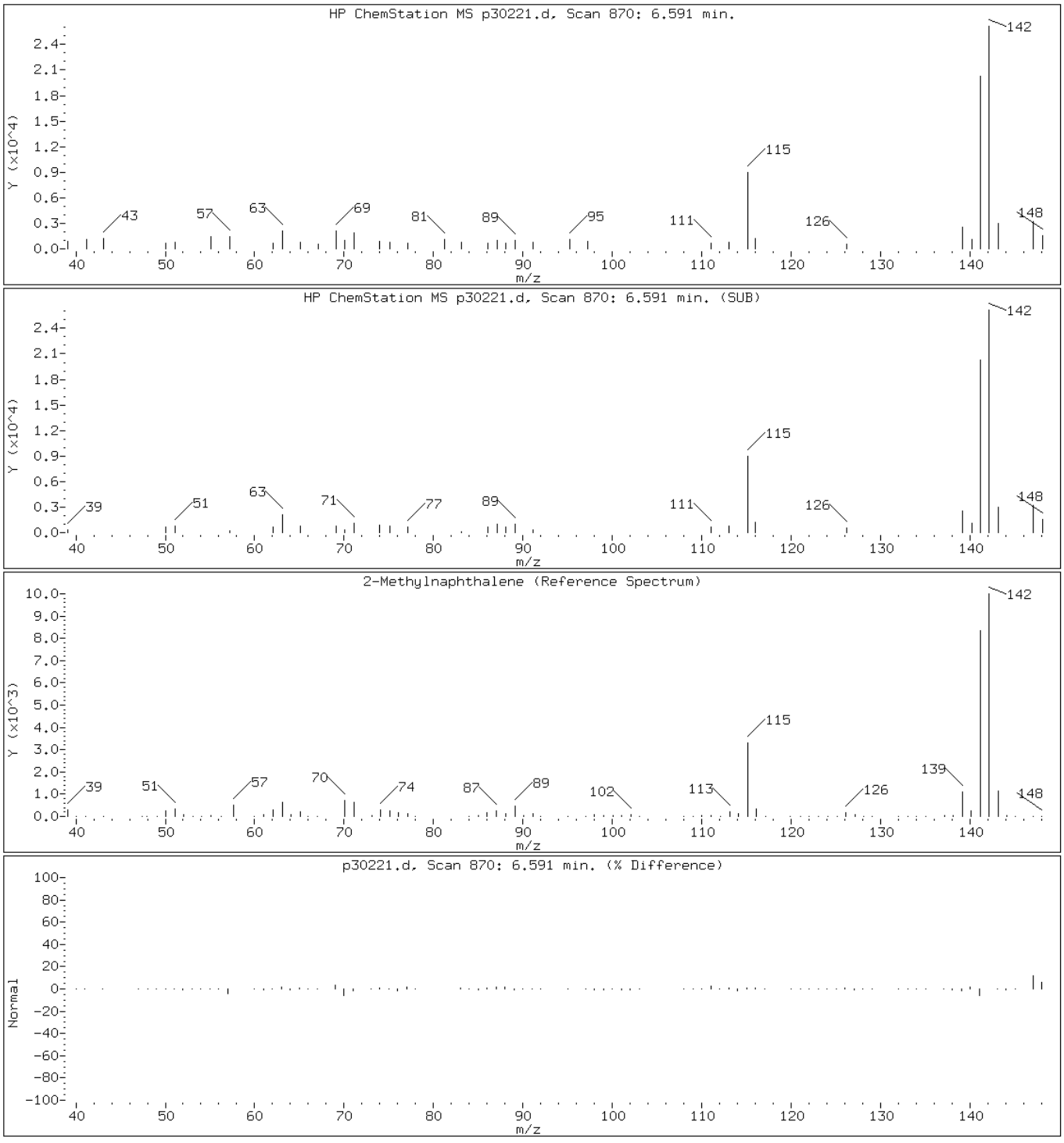
Data File: p30221.d

Date: 21-MAY-2012 02:16

Client ID: DB-1 34.5-35' Instrument: BNAMS10.i

Sample Info: 460-40258-B-2-A Operator: BNAMS 4

34 2-Methylnaphthalene



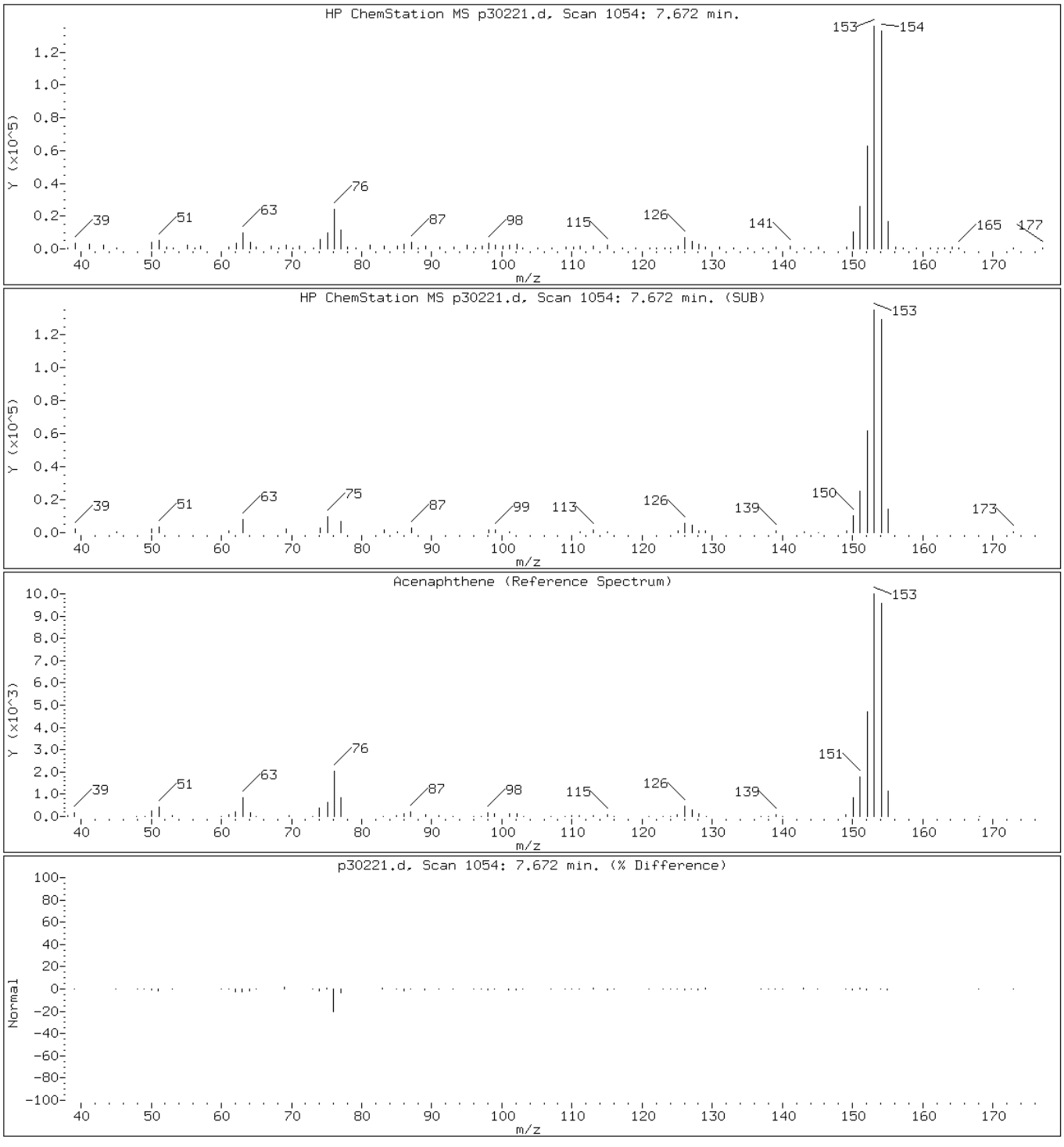
Data File: p30221.d

Date: 21-MAY-2012 02:16

Client ID: DB-1 34.5-35' Instrument: BNAMS10.i

Sample Info: 460-40258-B-2-A Operator: BNAMS 4

42 Acenaphthene



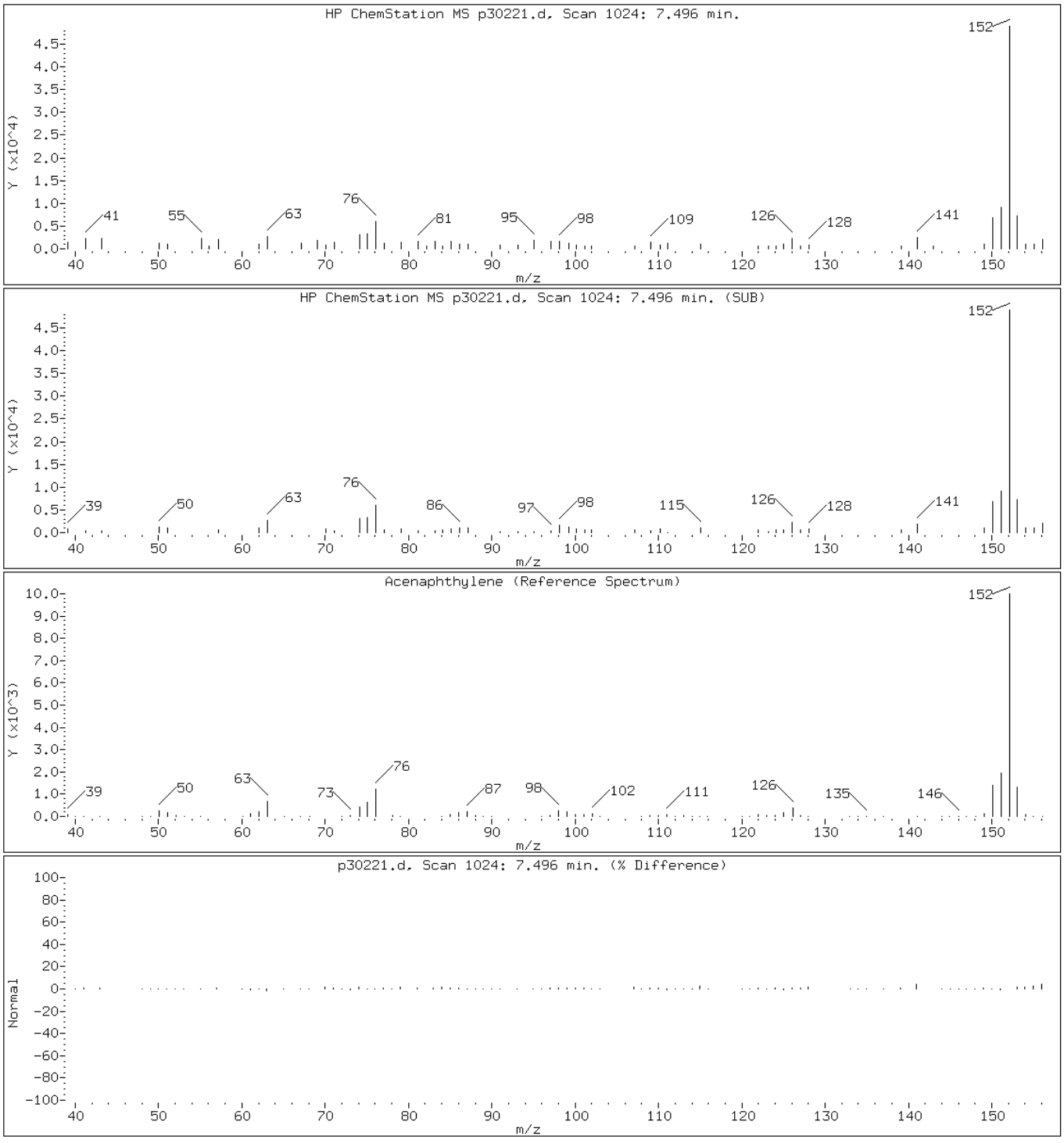
Data File: p30221.d

Date: 21-MAY-2012 02:16

Client ID: DB-1 34.5-35' Instrument: BNAMS10.i

Sample Info: 460-40258-B-2-A Operator: BNAMS 4

39 Acenaphthylene



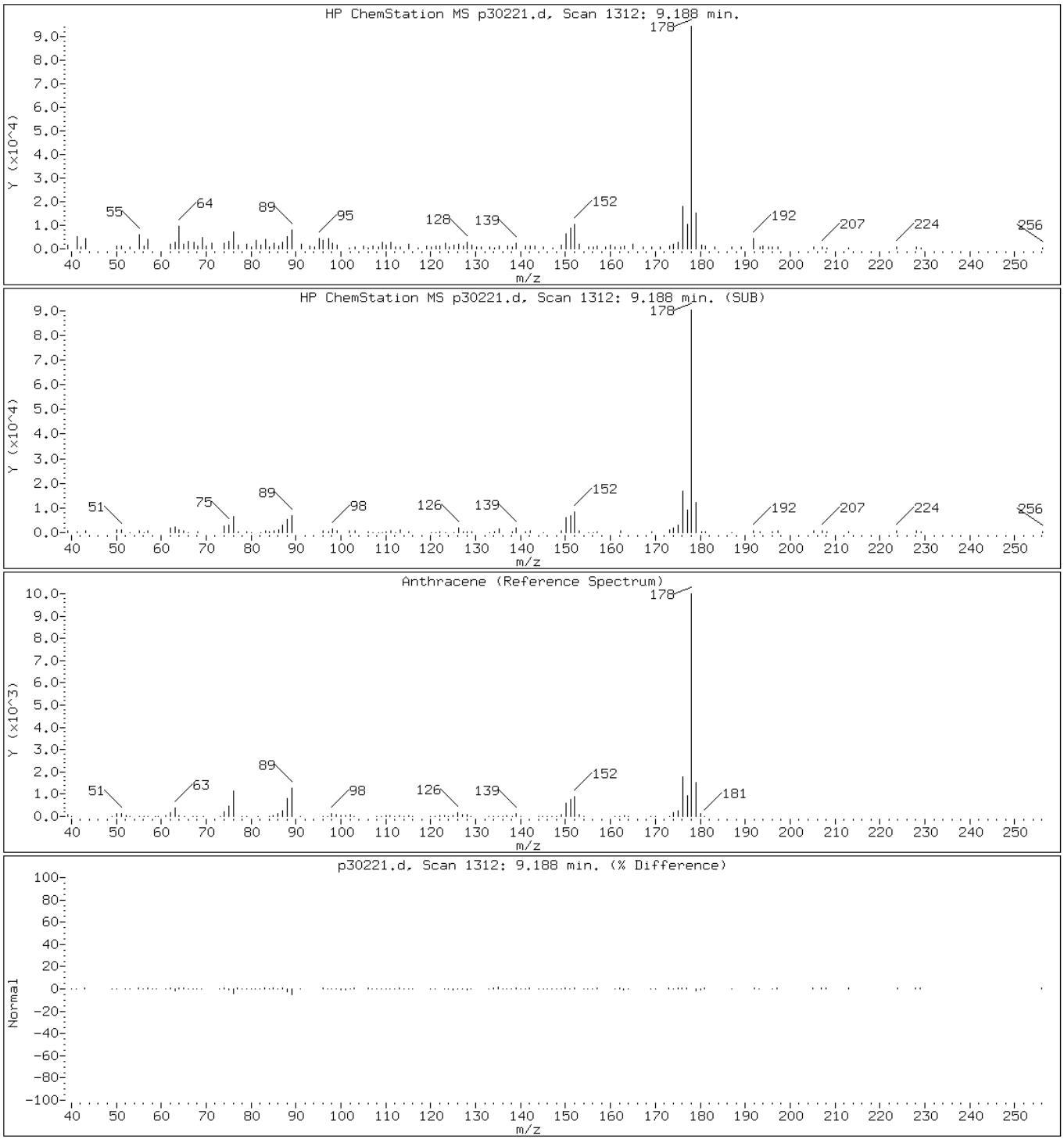
Data File: p30221.d

Date: 21-MAY-2012 02:16

Client ID: DB-1 34.5-35' Instrument: BNAMS10.i

Sample Info: 460-40258-B-2-A Operator: BNAMS 4

53 Anthracene



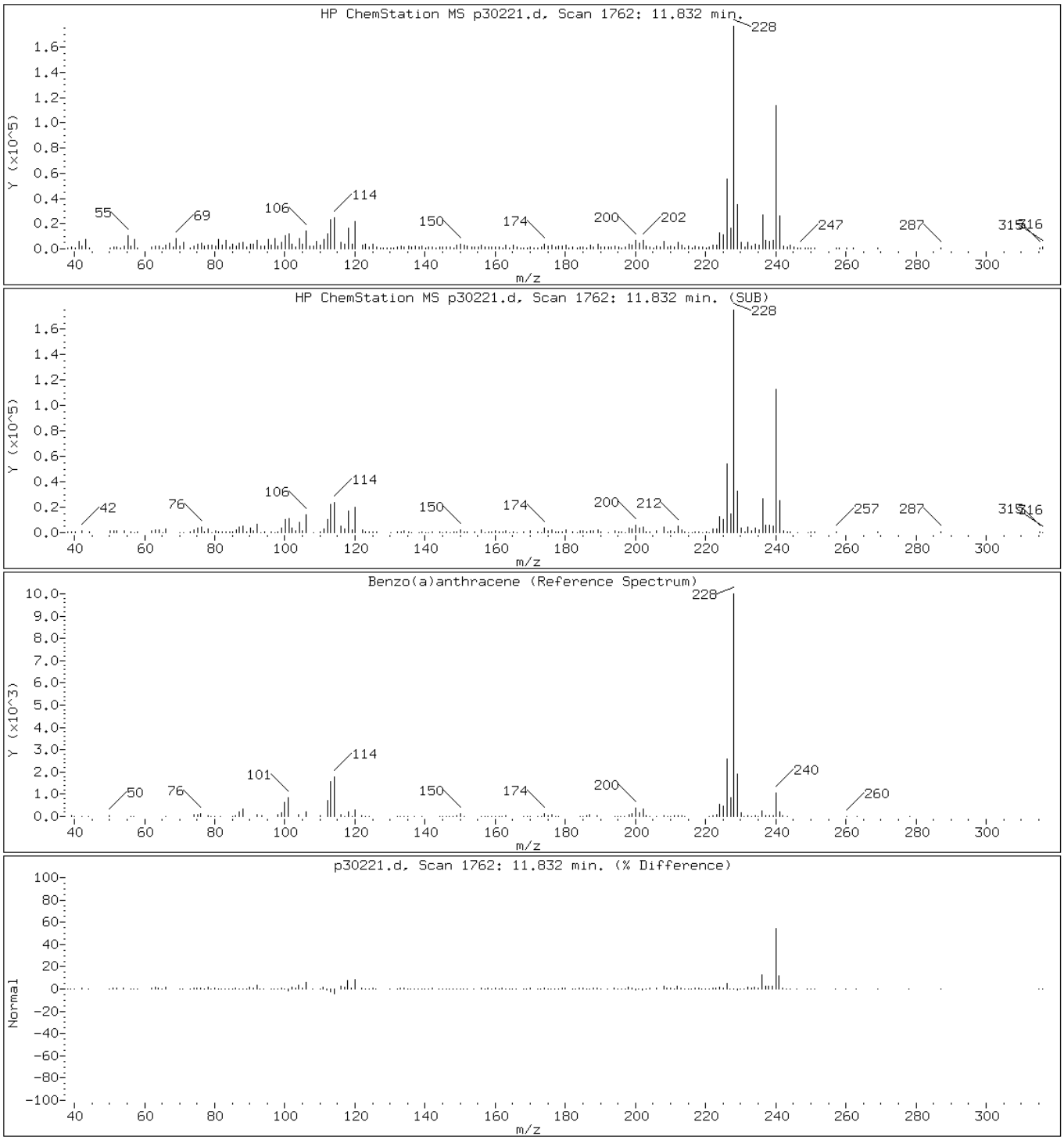
Data File: p30221.d

Date: 21-MAY-2012 02:16

Client ID: DB-1 34.5-35' Instrument: BNAMS10.i

Sample Info: 460-40258-B-2-A Operator: BNAMS 4

61 Benzo(a)anthracene



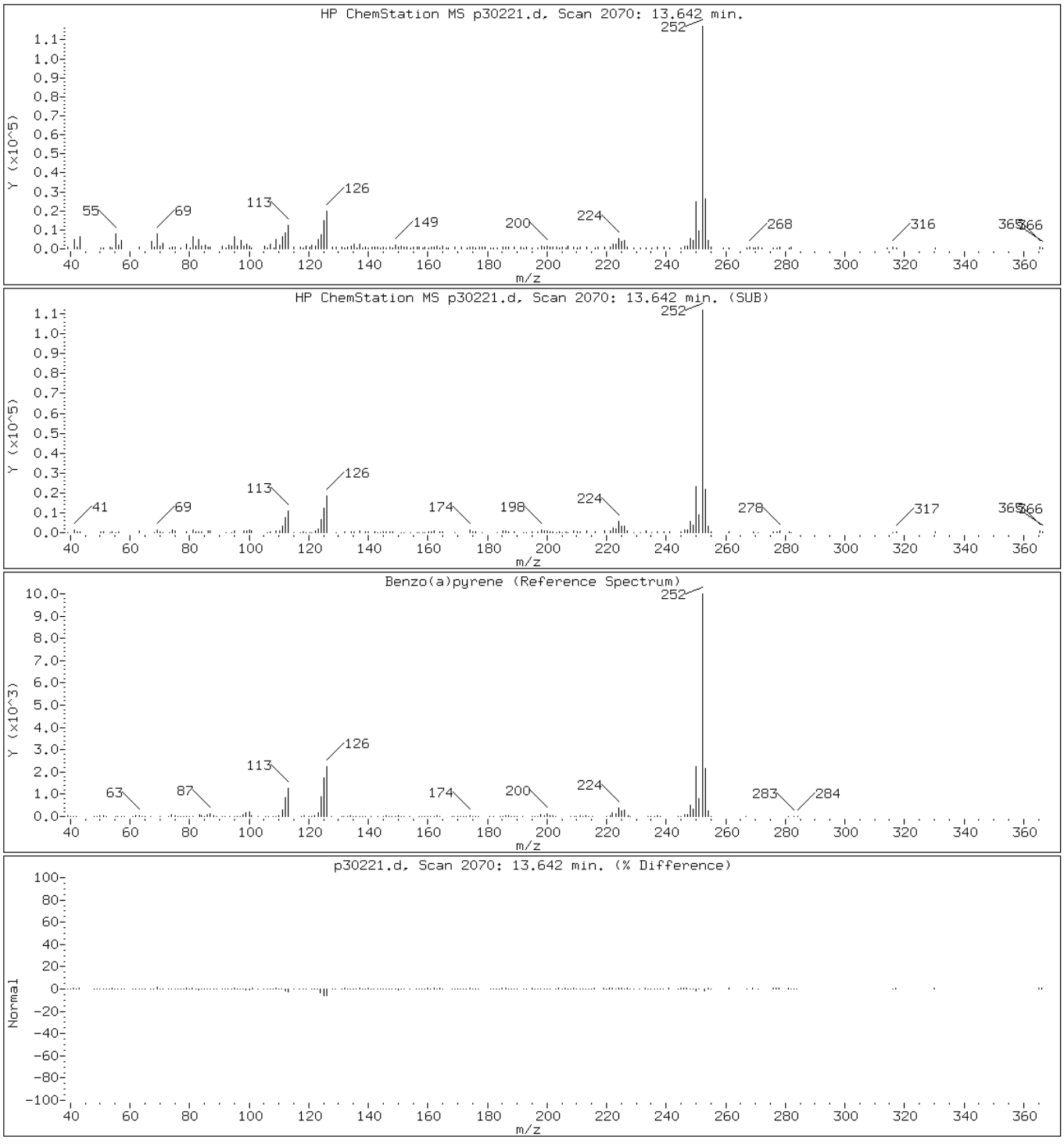
Data File: p30221.d

Date: 21-MAY-2012 02:16

Client ID: DB-1 34.5-35' Instrument: BNAMS10.i

Sample Info: 460-40258-B-2-A Operator: BNAMS 4

67 Benzo(a)pyrene



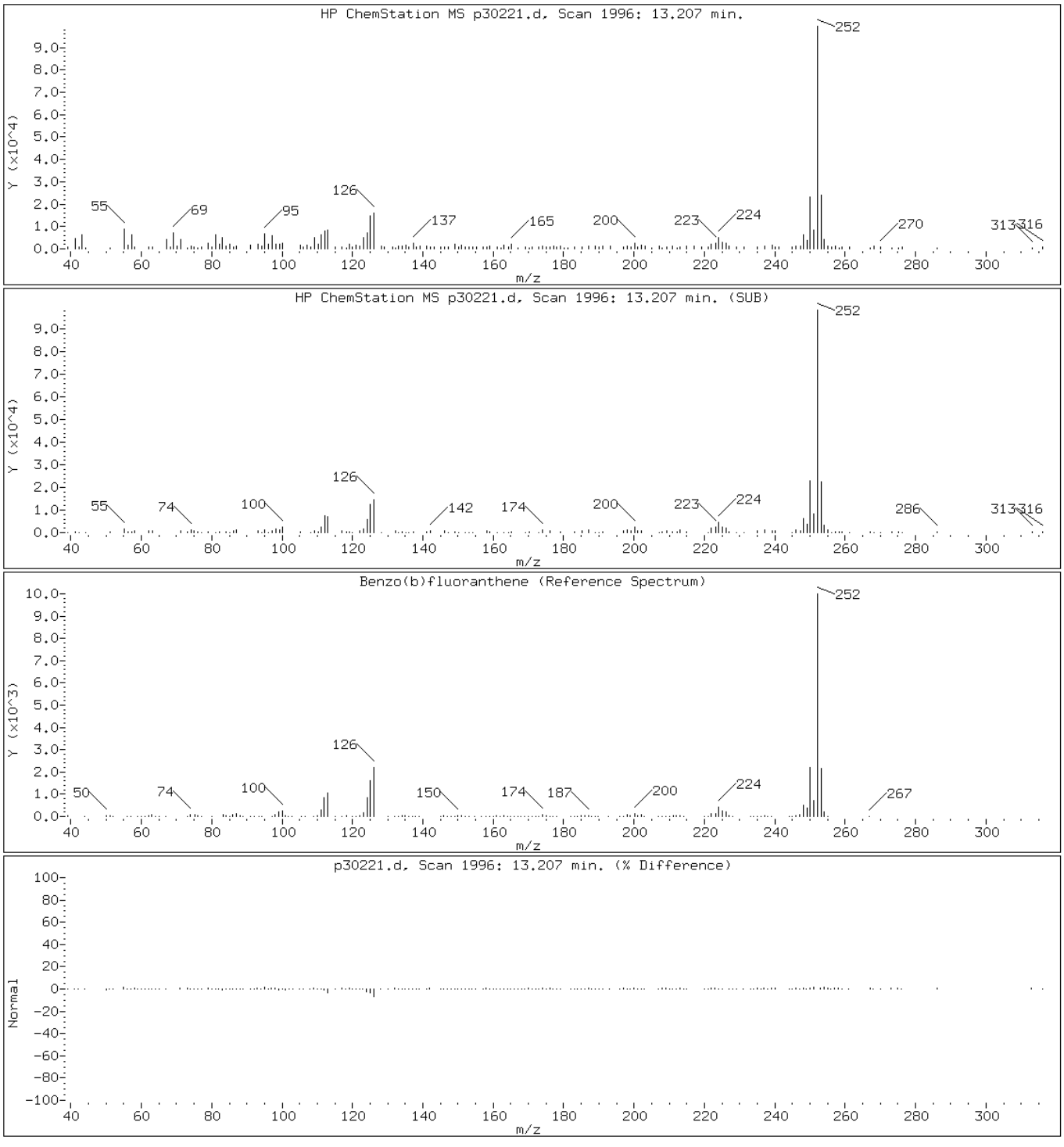
Data File: p30221.d

Date: 21-MAY-2012 02:16

Client ID: DB-1 34.5-35' Instrument: BNAMS10.i

Sample Info: 460-40258-B-2-A Operator: BNAMS 4

65 Benzo(b)fluoranthene



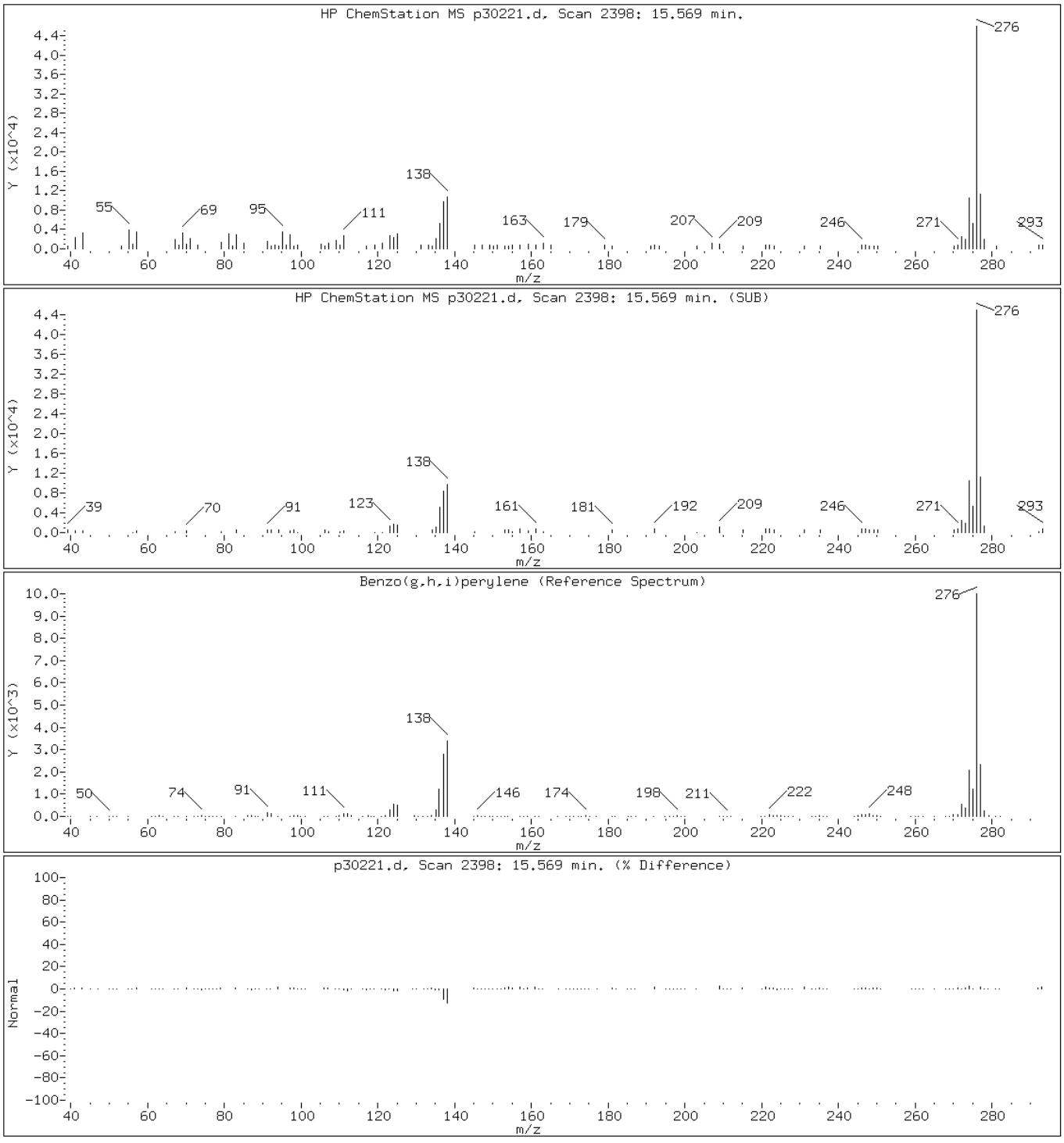
Data File: p30221.d

Date: 21-MAY-2012 02:16

Client ID: DB-1 34.5-35' Instrument: BNAMS10.i

Sample Info: 460-40258-B-2-A Operator: BNAMS 4

70 Benzo(g,h,i)perylene



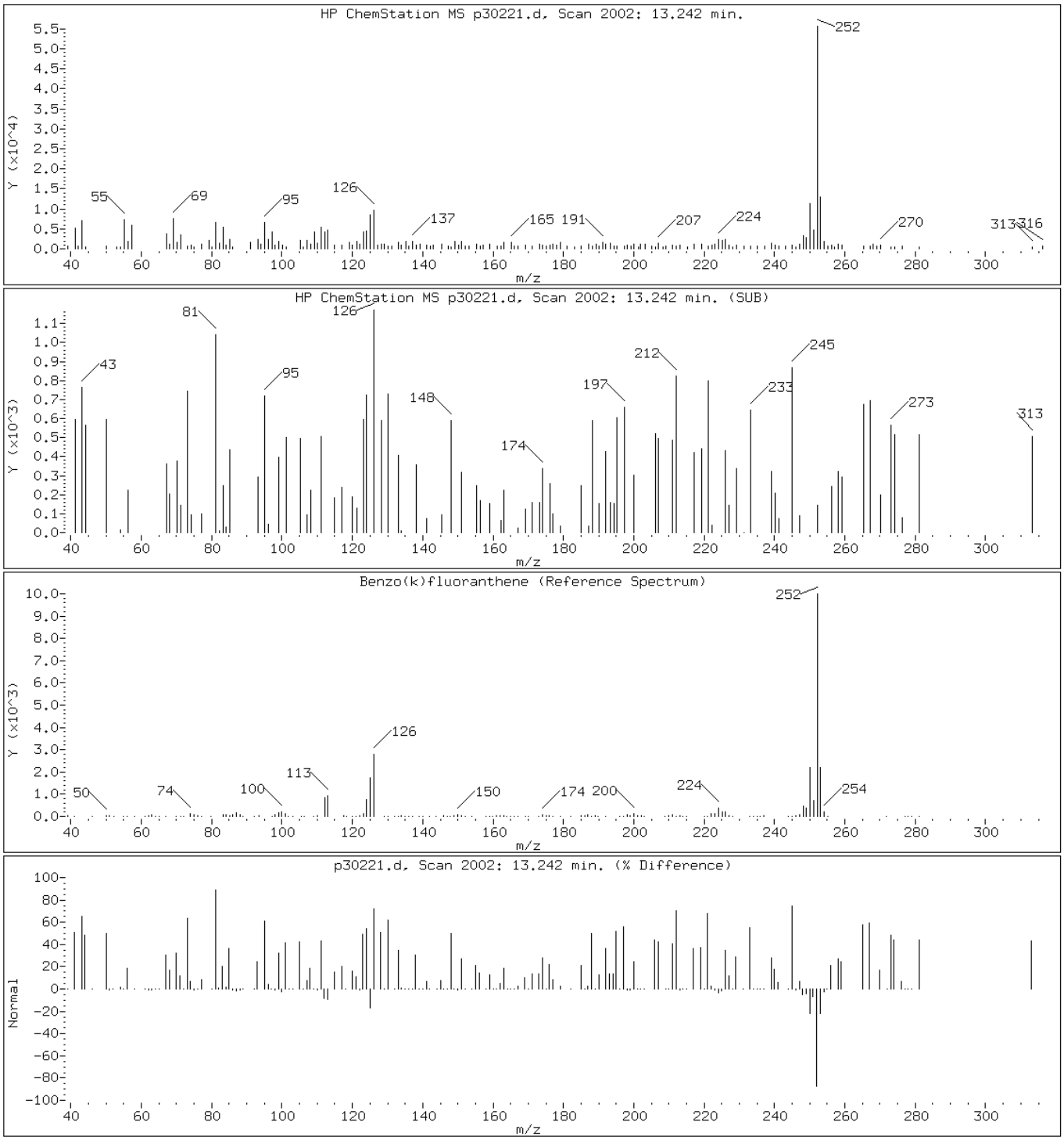
Data File: p30221.d

Date: 21-MAY-2012 02:16

Client ID: DB-1 34.5-35' Instrument: BNAMS10.i

Sample Info: 460-40258-B-2-A Operator: BNAMS 4

66 Benzo(k)fluoranthene



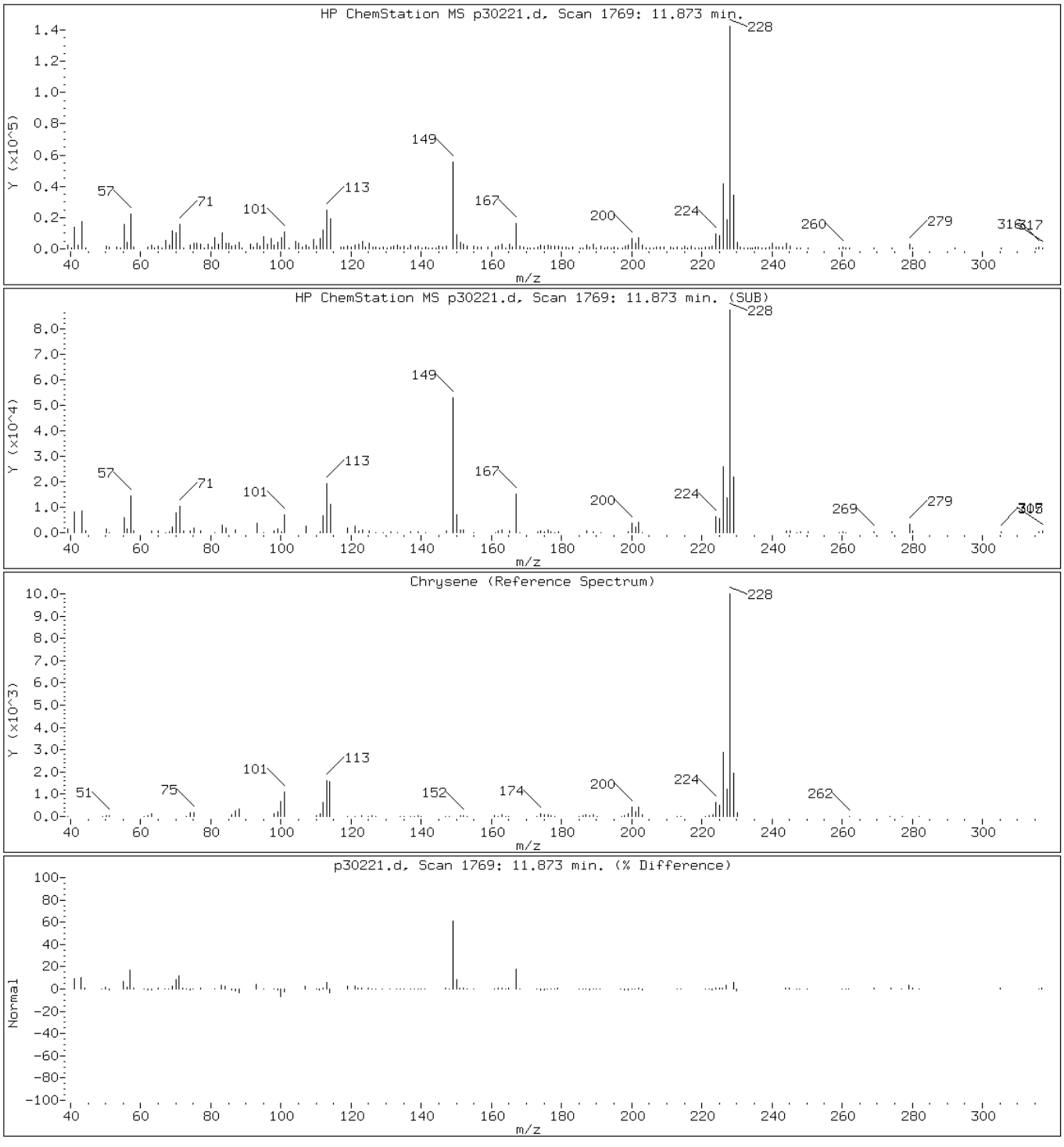
Data File: p30221.d

Date: 21-MAY-2012 02:16

Client ID: DB-1 34.5-35' Instrument: BNAMS10.i

Sample Info: 460-40258-B-2-A Operator: BNAMS 4

62 Chrysene



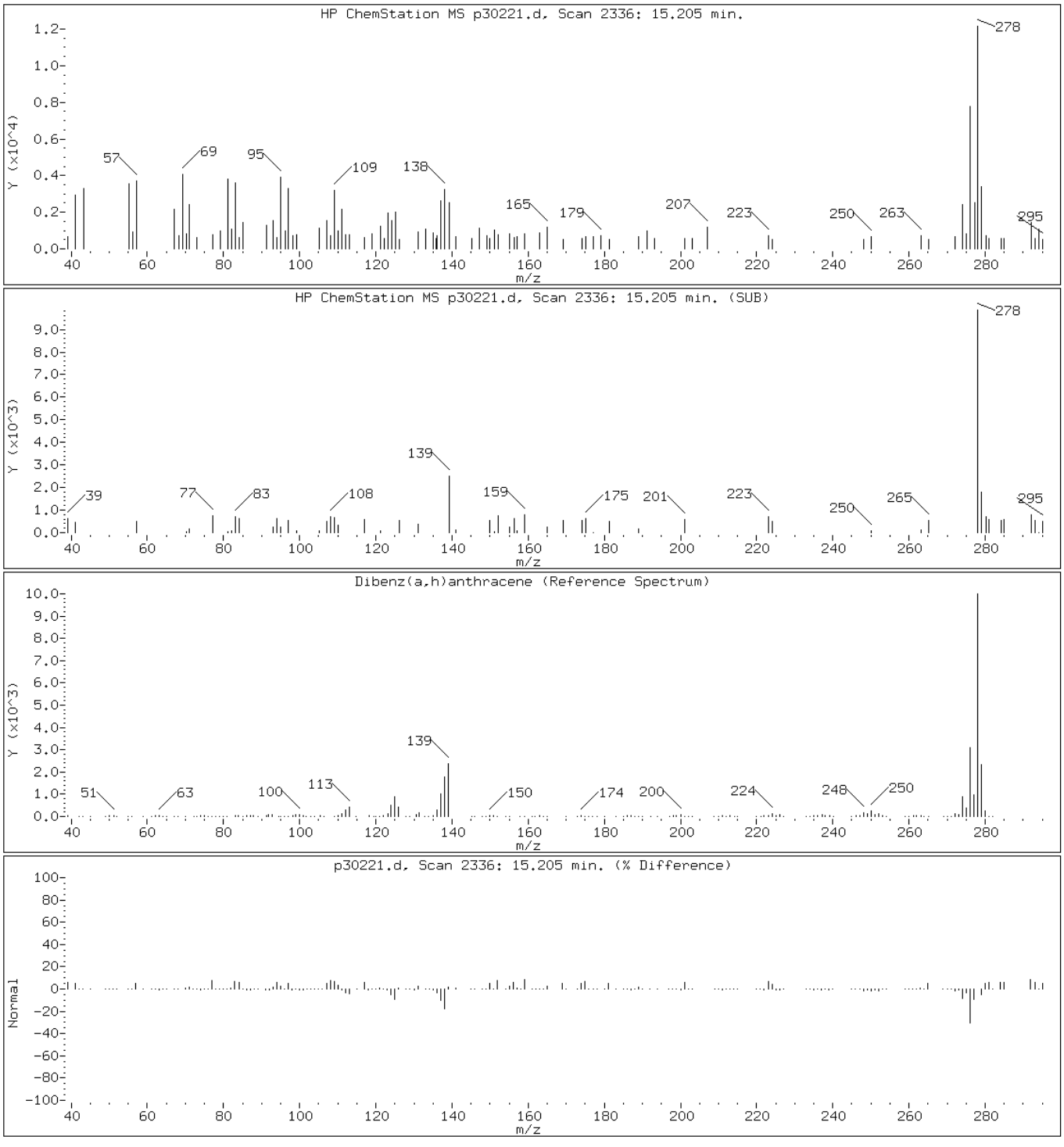
Data File: p30221.d

Date: 21-MAY-2012 02:16

Client ID: DB-1 34.5-35' Instrument: BNAMS10.i

Sample Info: 460-40258-B-2-A Operator: BNAMS 4

69 Dibenz(a,h)anthracene



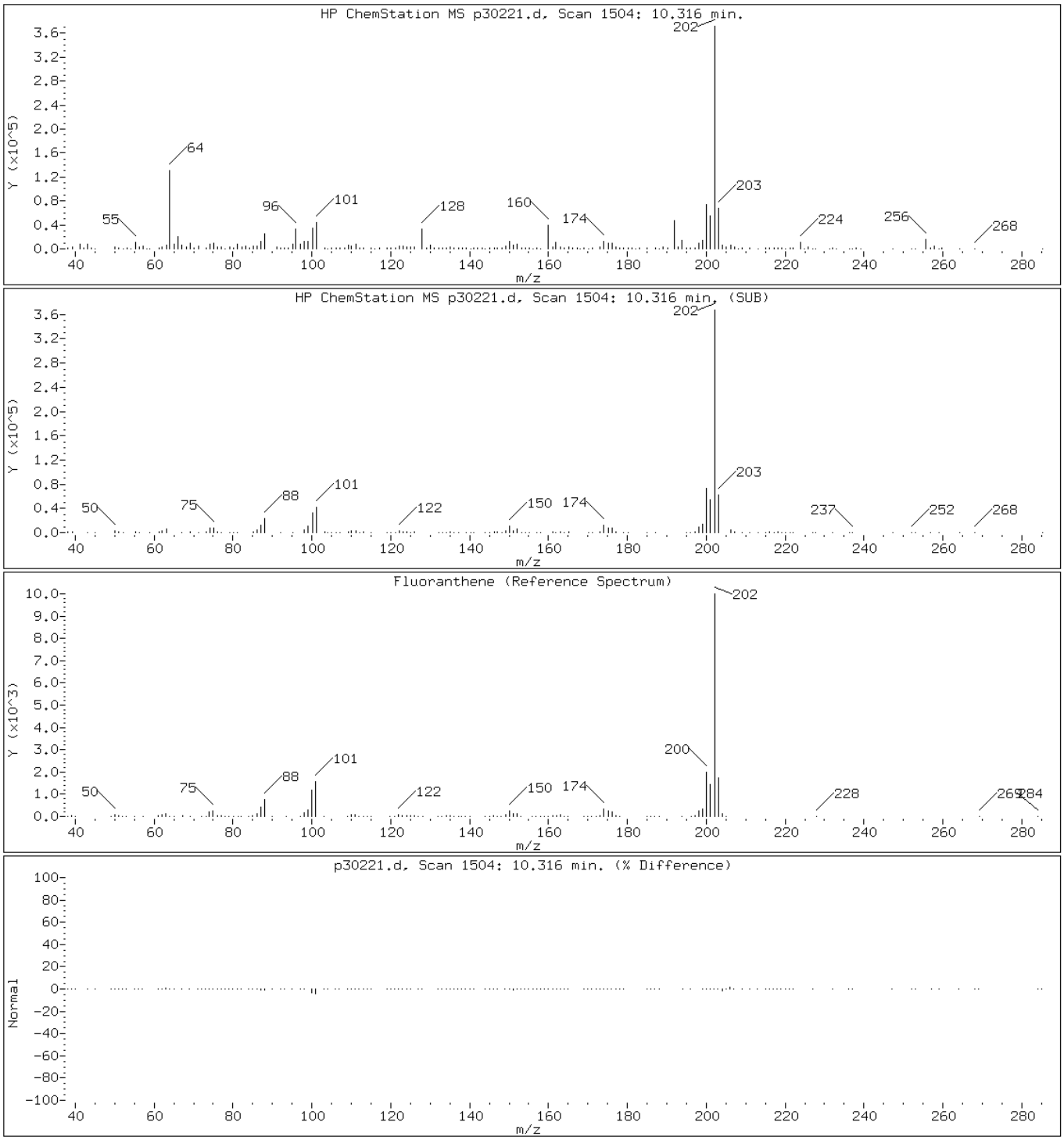
Data File: p30221.d

Date: 21-MAY-2012 02:16

Client ID: DB-1 34.5-35' Instrument: BNAMS10.i

Sample Info: 460-40258-B-2-A Operator: BNAMS 4

56 Fluoranthene



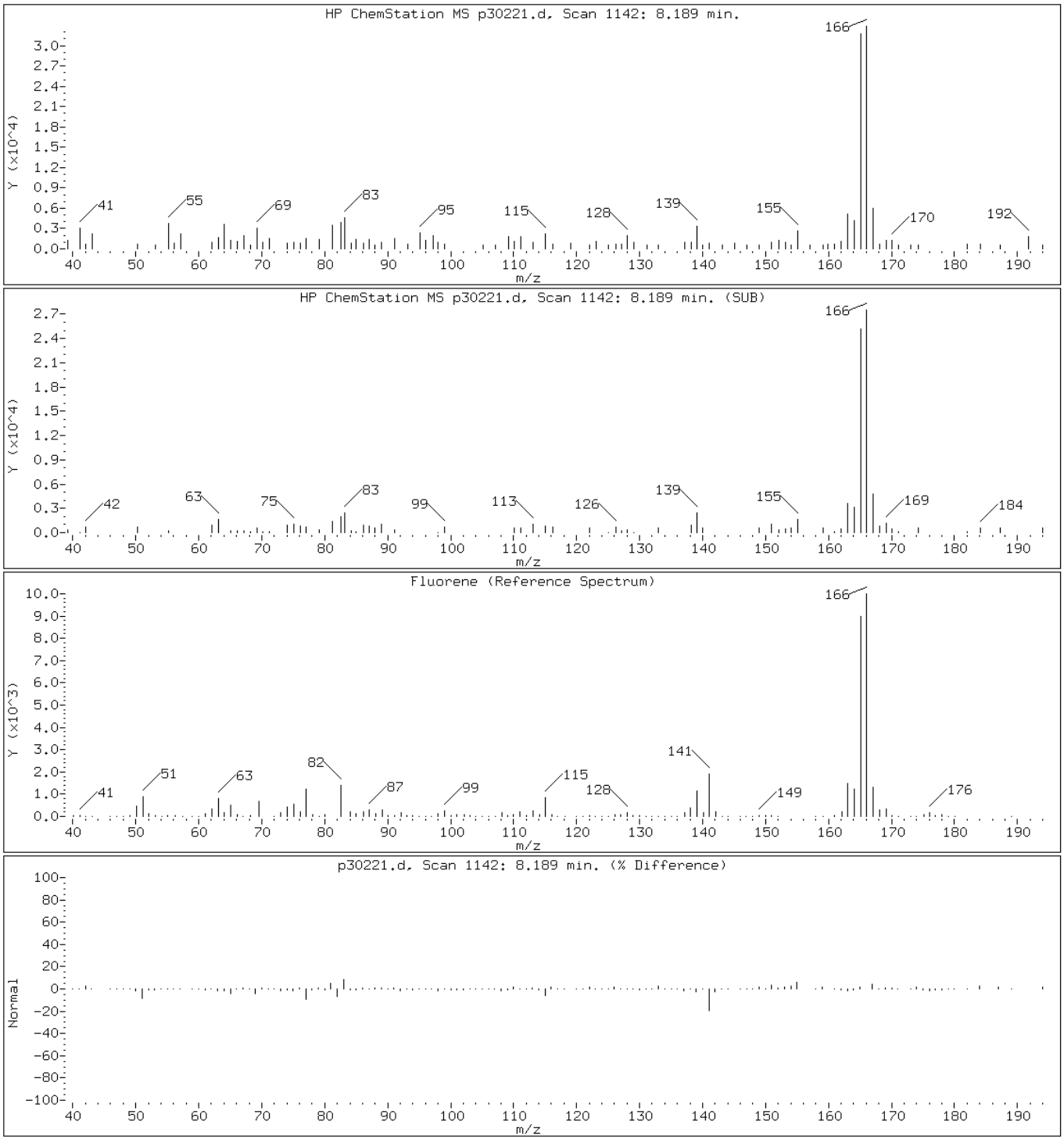
Data File: p30221.d

Date: 21-MAY-2012 02:16

Client ID: DB-1 34.5-35' Instrument: BNAMS10.i

Sample Info: 460-40258-B-2-A Operator: BNAMS 4

47 Fluorene



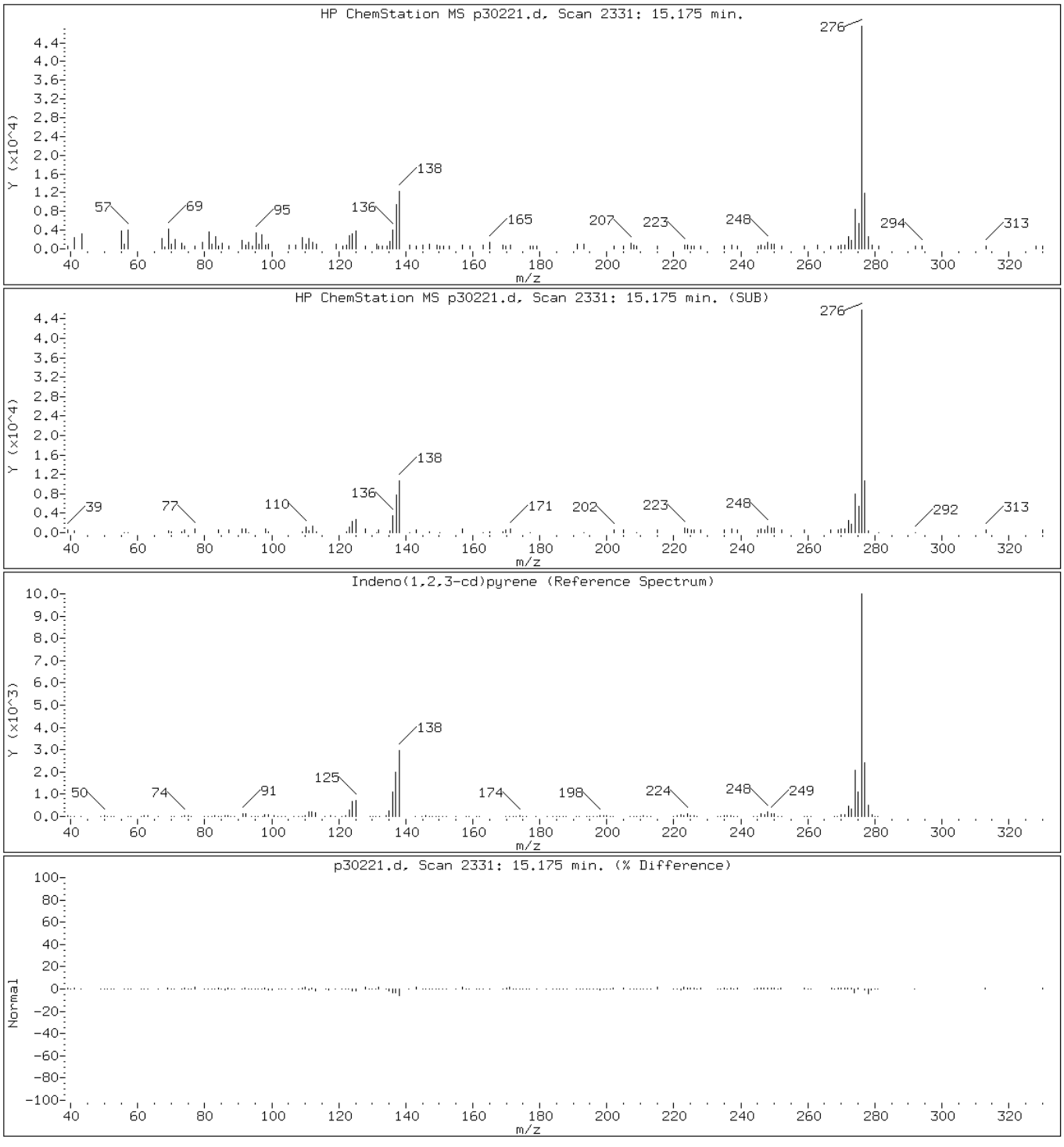
Data File: p30221.d

Date: 21-MAY-2012 02:16

Client ID: DB-1 34.5-35' Instrument: BNAMS10.i

Sample Info: 460-40258-B-2-A Operator: BNAMS 4

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



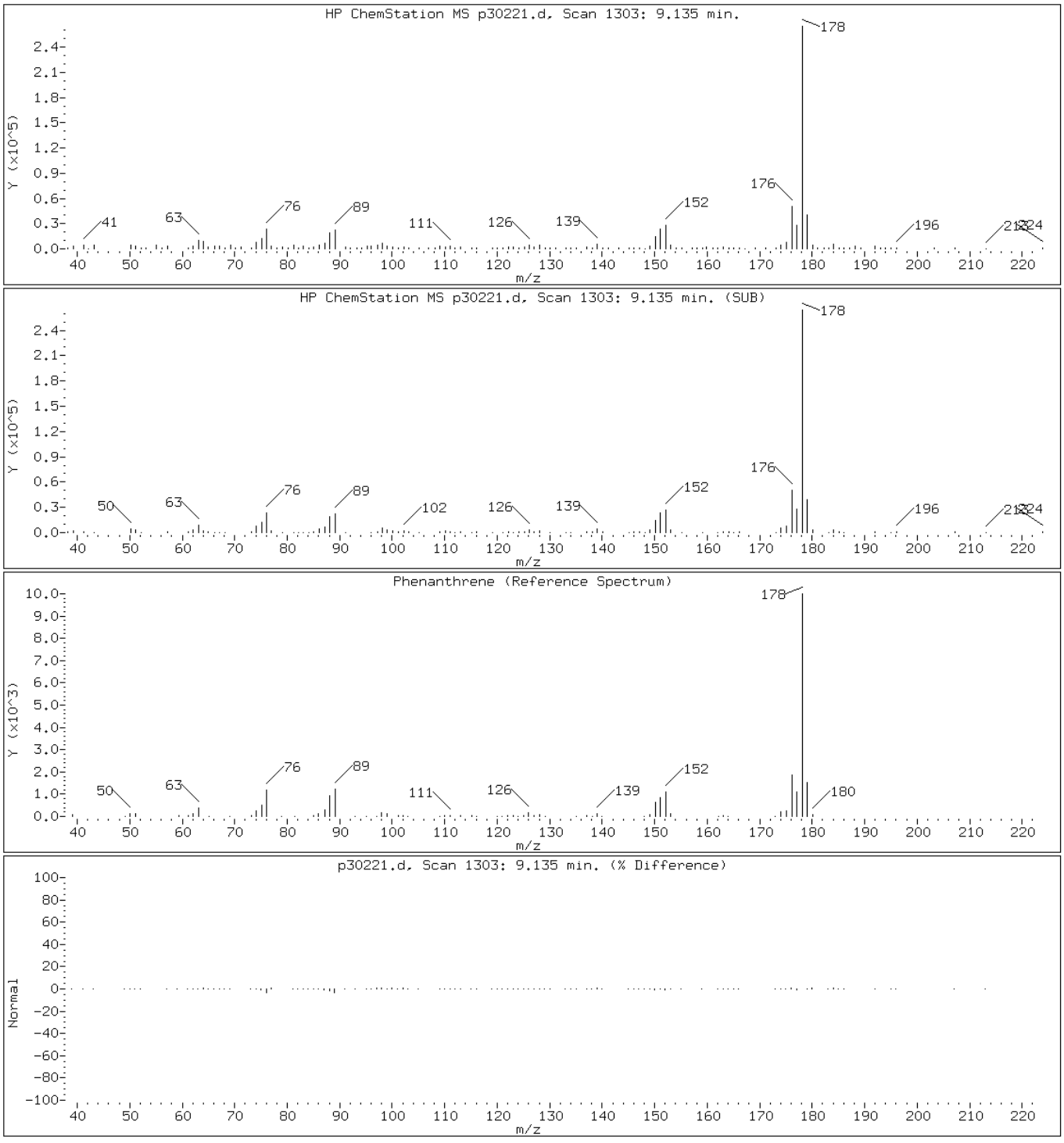
Data File: p30221.d

Date: 21-MAY-2012 02:16

Client ID: DB-1 34.5-35' Instrument: BNAMS10.i

Sample Info: 460-40258-B-2-A Operator: BNAMS 4

52 Phenanthrene



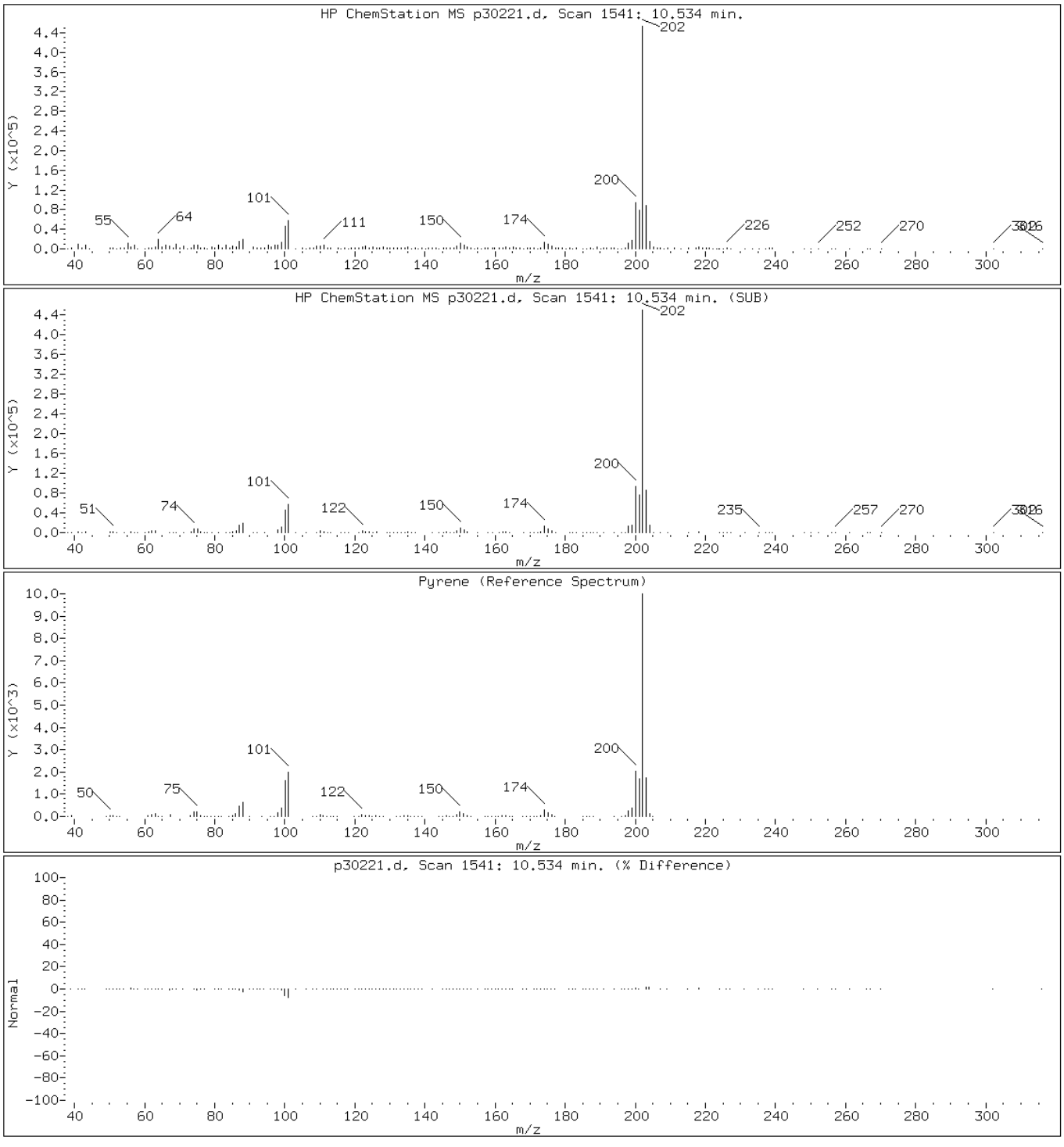
Data File: p30221.d

Date: 21-MAY-2012 02:16

Client ID: DB-1 34.5-35' Instrument: BNAMS10.i

Sample Info: 460-40258-B-2-A Operator: BNAMS 4

57 Pyrene



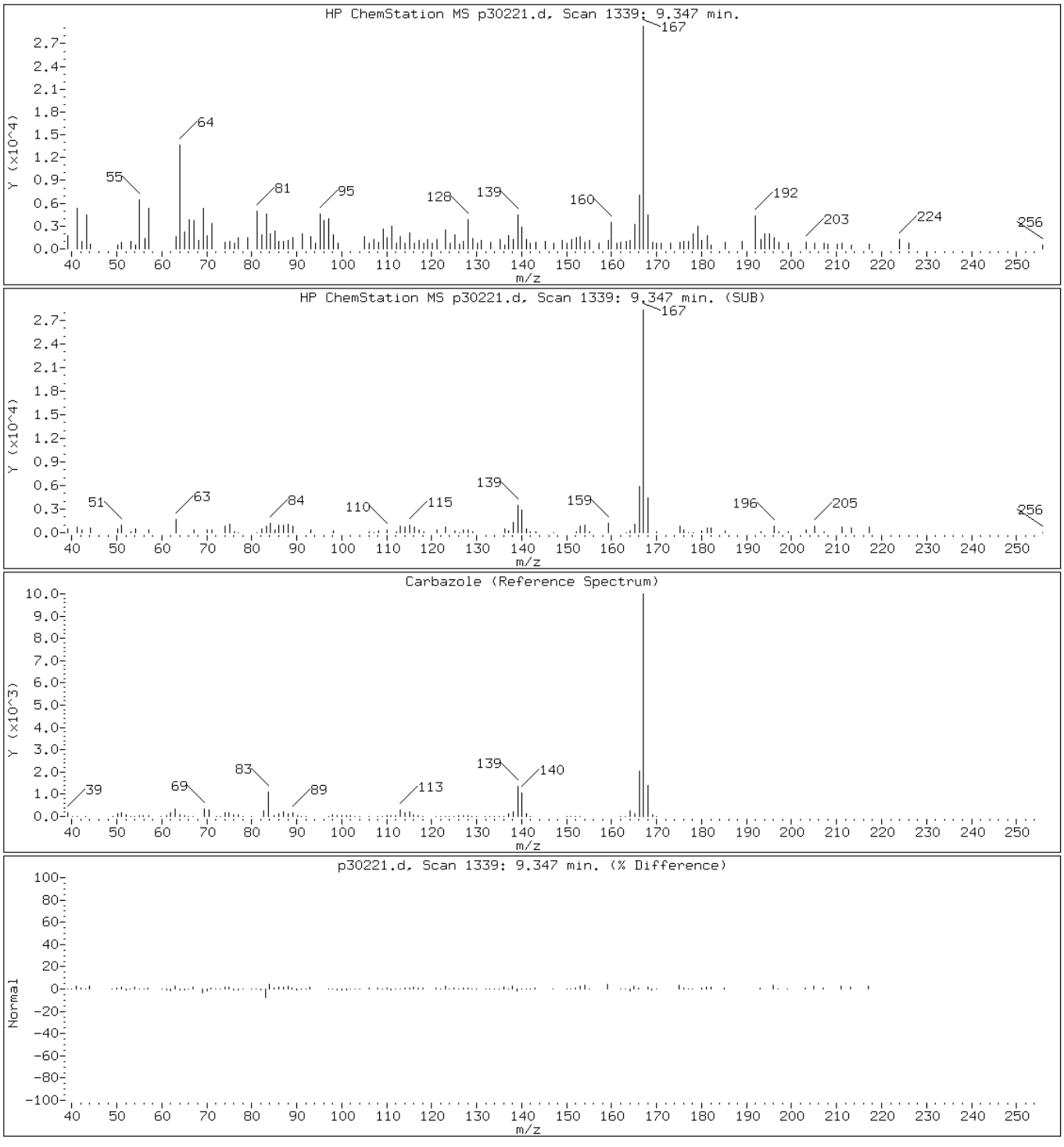
Data File: p30221.d

Date: 21-MAY-2012 02:16

Client ID: DB-1 34.5-35' Instrument: BNAMS10.i

Sample Info: 460-40258-B-2-A Operator: BNAMS 4

54 Carbazole



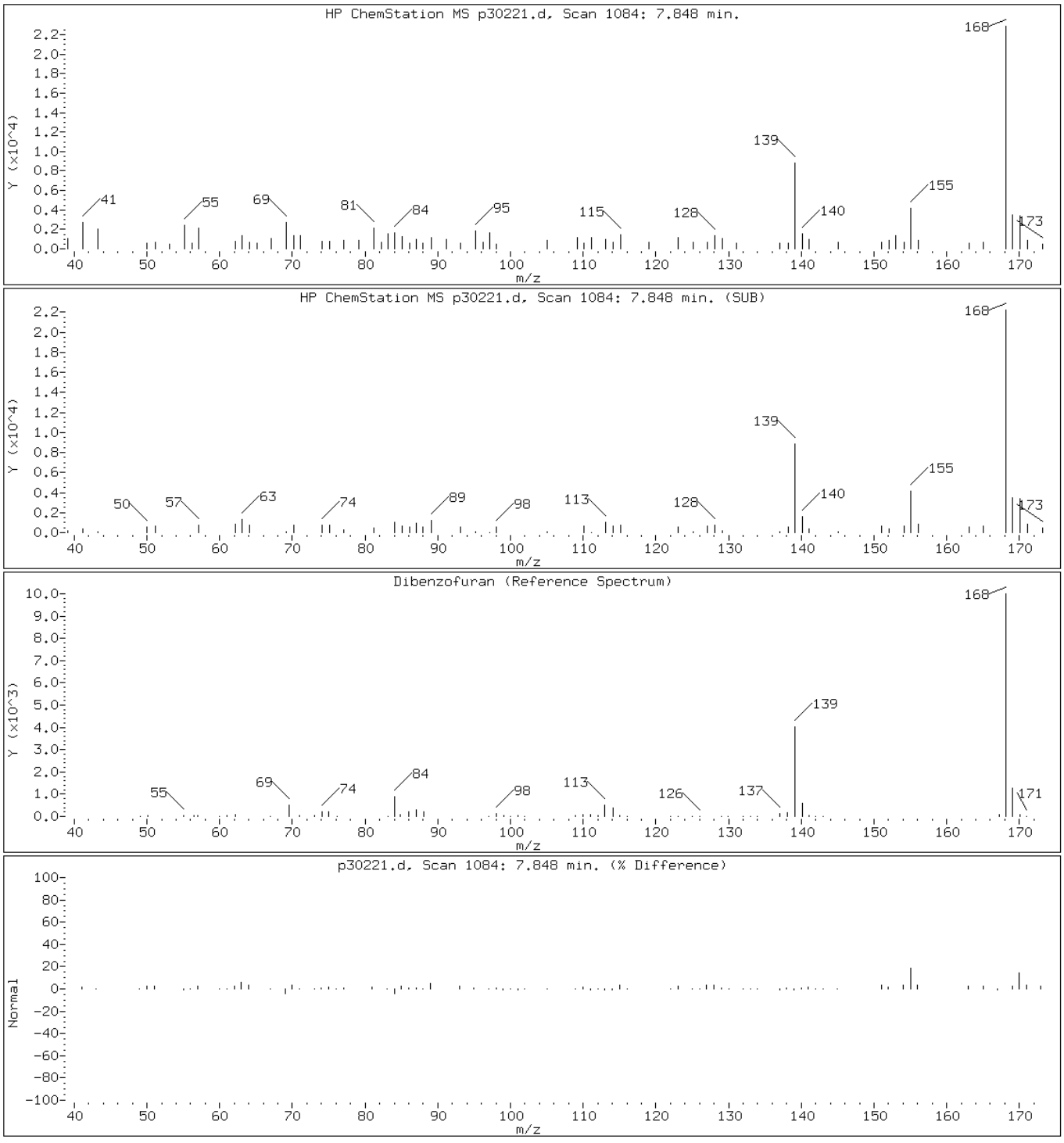
Data File: p30221.d

Date: 21-MAY-2012 02:16

Client ID: DB-1 34.5-35' Instrument: BNAMS10.i

Sample Info: 460-40258-B-2-A Operator: BNAMS 4

43 Dibenzofuran



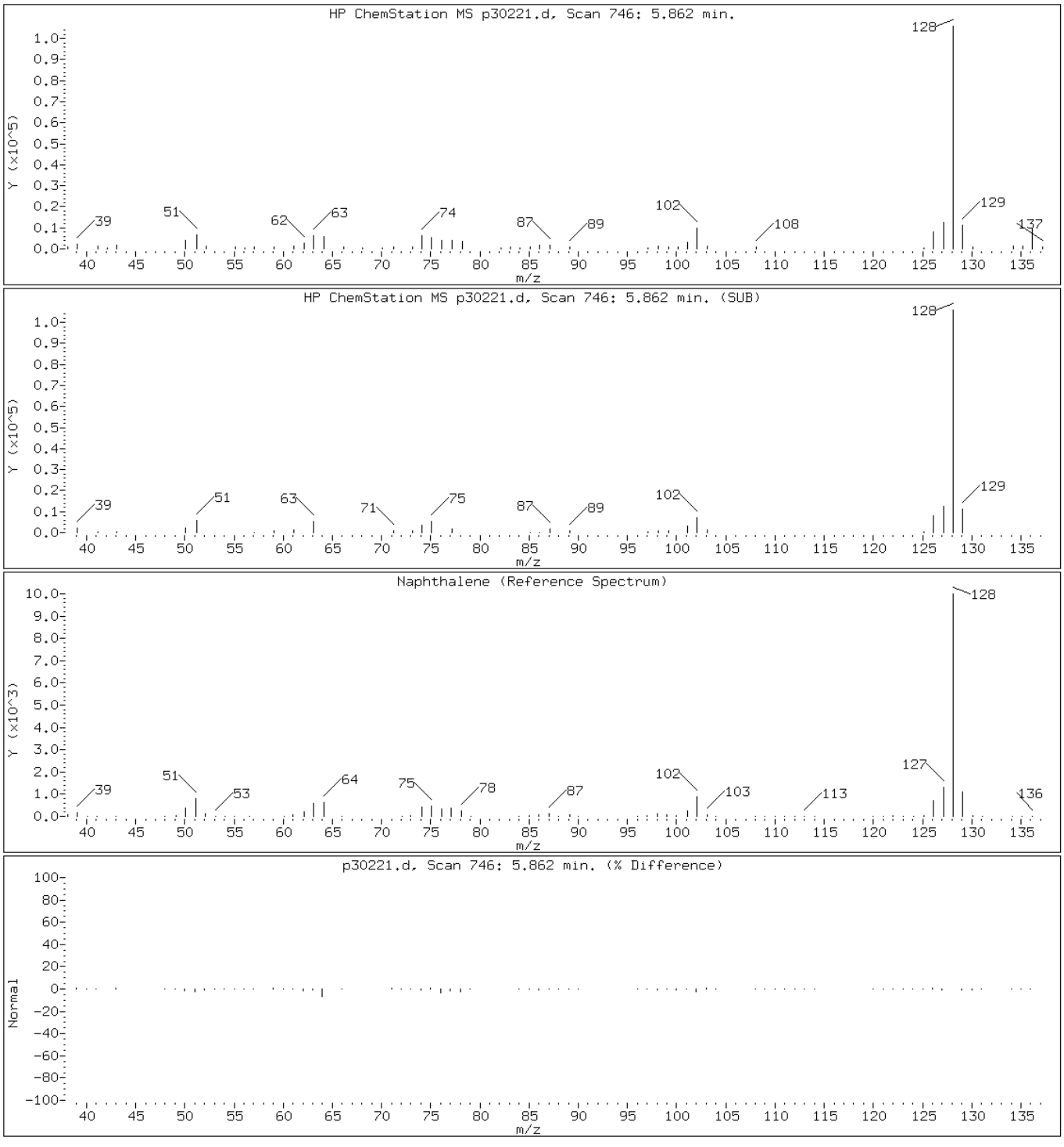
Data File: p30221.d

Date: 21-MAY-2012 02:16

Client ID: DB-1 34.5-35' Instrument: BNAMS10.i

Sample Info: 460-40258-B-2-A Operator: BNAMS 4

31 Naphthalene



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-40258-1

SDG No.:

Client Sample ID: DB-2 13.5-14' | Lab Sample ID: 460-40258-3

Matrix: Solid | Lab File ID: p30219.d

Analysis Method: 8270C | Date Collected: 05/10/2012 14:00

Extract. Method: 3541 | Date Extracted: 05/17/2012 11:25

Sample wt/vol: 15.02(g) | Date Analyzed: 05/21/2012 01:22

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 15.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 113356 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-94-3	1,2,4,5-Tetrachlorobenzene	52	U	390	52
108-60-1	2,2'-oxybis[1-chloropropane]	43	U	390	43
58-90-2	2,3,4,6-Tetrachlorophenol	51	U	390	51
86-30-6	N-Nitrosodiphenylamine	38	U	390	38
77-47-4	Hexachlorocyclopentadiene	46	U	390	46
105-67-9	2,4-Dimethylphenol	96	U	390	96
606-20-2	2,6-Dinitrotoluene	12	U	79	12
62-53-3	Aniline	110	U	390	110
121-14-2	2,4-Dinitrotoluene	13	U	79	13
117-81-7	Bis(2-ethylhexyl) phthalate	130	U	390	130
65-85-0	Benzoic acid	390	U	390	390
91-58-7	2-Chloronaphthalene	43	U	390	43
85-68-7	Butyl benzyl phthalate	36	U	390	36
95-57-8	2-Chlorophenol	51	U	390	51
84-74-2	Di-n-butyl phthalate	48	U	390	48
120-83-2	2,4-Dichlorophenol	57	U	390	57
84-66-2	Diethyl phthalate	46	U	390	46
51-28-5	2,4-Dinitrophenol	220	U	1200	220
95-48-7	2-Methylphenol	66	U	390	66
131-11-3	Dimethyl phthalate	46	U	390	46
117-84-0	Di-n-octyl phthalate	25	U	390	25
91-94-1	3,3'-Dichlorobenzidine	140	U	790	140
118-74-1	Hexachlorobenzene	5.3	U	39	5.3
78-59-1	Isophorone	47	U	390	47
91-57-6	2-Methylnaphthalene	50	U	390	50
534-52-1	4,6-Dinitro-2-methylphenol	110	U	1200	110
88-74-4	2-Nitroaniline	160	U	790	160
101-55-3	4-Bromophenyl phenyl ether	39	U	390	39
99-09-2	3-Nitroaniline	140	U	790	140
59-50-7	4-Chloro-3-methylphenol	59	U	390	59
98-95-3	Nitrobenzene	5.5	U	39	5.5
88-75-5	2-Nitrophenol	43	U	390	43
7005-72-3	4-Chlorophenyl phenyl ether	46	U	390	46
106-44-5	4-Methylphenol	77	U	390	77

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-40258-1

SDG No.:

Client Sample ID: DB-2 13.5-14' | Lab Sample ID: 460-40258-3

Matrix: Solid | Lab File ID: p30219.d

Analysis Method: 8270C | Date Collected: 05/10/2012 14:00

Extract. Method: 3541 | Date Extracted: 05/17/2012 11:25

Sample wt/vol: 15.02(g) | Date Analyzed: 05/21/2012 01:22

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 15.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 113356 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-02-7	4-Nitrophenol	250	U	1200	250
95-95-4	2,4,5-Trichlorophenol	50	U	390	50
100-01-6	4-Nitroaniline	120	U	790	120
88-06-2	2,4,6-Trichlorophenol	46	U	390	46
106-47-8	4-Chloroaniline	100	U	390	100
83-32-9	Acenaphthene	86	J	390	57
208-96-8	Acenaphthylene	46	U	390	46
98-86-2	Acetophenone	60	U	390	60
120-12-7	Anthracene	110	J	390	47
56-55-3	Benzo[a]anthracene	280		39	2.7
1912-24-9	Atrazine	60	U	390	60
50-32-8	Benzo[a]pyrene	230		39	2.8
100-52-7	Benzaldehyde	46	U	390	46
205-99-2	Benzo[b]fluoranthene	260		39	2.5
191-24-2	Benzo[g,h,i]perylene	160	J	390	29
207-08-9	Benzo[k]fluoranthene	130		39	3.0
218-01-9	Chrysene	290	J	390	45
53-70-3	Dibenz(a,h)anthracene	43		39	4.9
206-44-0	Fluoranthene	630		390	52
86-73-7	Fluorene	59	J	390	50
111-91-1	Bis(2-chloroethoxy)methane	50	U	390	50
193-39-5	Indeno[1,2,3-cd]pyrene	160		39	7.2
111-44-4	Bis(2-chloroethyl)ether	5.3	U	39	5.3
85-01-8	Phenanthrene	460		390	50
129-00-0	Pyrene	540		390	33
105-60-2	Caprolactam	90	U	390	90
86-74-8	Carbazole	46	U	390	46
132-64-9	Dibenzofuran	47	J	390	46
92-52-4	Diphenyl	52	U	390	52
87-68-3	Hexachlorobutadiene	9.5	U	79	9.5
67-72-1	Hexachloroethane	4.3	U	39	4.3
91-20-3	Naphthalene	45	U	390	45
621-64-7	N-Nitrosodi-n-propylamine	6.5	U	39	6.5
87-86-5	Pentachlorophenol	120	U	1200	120

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-40258-1

SDG No.:

Client Sample ID: DB-2 13.5-14' | Lab Sample ID: 460-40258-3

Matrix: Solid | Lab File ID: p30219.d

Analysis Method: 8270C | Date Collected: 05/10/2012 14:00

Extract. Method: 3541 | Date Extracted: 05/17/2012 11:25

Sample wt/vol: 15.02(g) | Date Analyzed: 05/21/2012 01:22

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 15.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 113356 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-95-2	Phenol	52	U	390	52
15831-10-4	3 & 4 Methylphenol	66	U	390	66

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	66		38-105
4165-62-2	Phenol-d5	67		41-118
1718-51-0	Terphenyl-d14	91		16-151
367-12-4	2-Fluorophenol	67		37-125
118-79-6	2,4,6-Tribromophenol	70		10-120
321-60-8	2-Fluorobiphenyl	80		40-109

Data File: /chem/BNAMS10.i/8270/05-16-12/20may12.b/p30219.d
Report Date: 22-May-2012 04:10

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS10.i/8270/05-16-12/20may12.b/p30219.d
Lab Smp Id: 460-40258-C-3-A Client Smp ID: DB-2 13.5-14'
Inj Date : 21-MAY-2012 01:22
Operator : BNAMS 4 Inst ID: BNAMS10.i
Smp Info : 460-40258-C-3-A
Misc Info : 460-40258-C-3-A
Comment   :
Method   : /chem/BNAMS10.i/8270/05-16-12/20may12.b/8270C_11.m
Meth Date : 20-May-2012 18:47 asfawa Quant Type: ISTD
Cal Date : 16-MAY-2012 15:59 Cal File: p30119.d
Als bottle: 18
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * Uf*1000*Vt/(Ws*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.02000	Weight of sample extracted (g)
M	15.14630	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
$ 16 2-Fluorophenol (SUR)	112	3.101	3.065	(0.692)	1212535	66.7698	5200
$ 17 Phenol-d5 (SUR)	99	4.099	4.100	(0.915)	1459486	67.4581	5300
* 79 1,4-Dichlorobenzene-d4	152	4.481	4.487	(1.000)	530243	40.0000	
$ 76 Nitrobenzene-d5 (SUR)	82	5.081	5.093	(0.869)	599113	32.9997	2600
* 80 Naphthalene-d8	136	5.844	5.850	(1.000)	1641386	40.0000	
31 Naphthalene	128	5.868	5.874	(1.004)	20498	0.37705	30(a)
34 2-Methylnaphthalene	142	6.591	6.591	(1.128)	6969	0.25361	20(a)
120 1-Methylnaphthalene	142	6.691	6.697	(1.145)	4969	0.17676	14(a)
$ 77 2-Fluorobiphenyl (SUR)	172	6.973	6.973	(0.912)	1082789	40.1805	3200
125 1,3-Dimethylnaphthalene	156	7.308	7.313	(0.956)	4552	0.22985	18(a)
* 82 Acenaphthene-d10	164	7.642	7.648	(1.000)	788123	40.0000	
42 Acenaphthene	154	7.672	7.678	(1.004)	22415	1.10033	86(a)
43 Dibenzofuran	168	7.848	7.854	(1.027)	17223	0.60416	47(a)

Data File: /chem/BNAMS10.i/8270/05-16-12/20may12.b/p30219.d
Report Date: 22-May-2012 04:10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)
	47 Fluorene	166	8.189	8.195	(1.071)	16988	0.75748	59(a)
$	18 2,4,6-Tribromophenol (SUR)	330	8.430	8.430	(1.103)	206434	70.1538	5500
*	83 Phenanthrene-d10	188	9.111	9.117	(1.000)	969699	40.0000	
	52 Phenanthrene	178	9.135	9.141	(1.003)	152779	5.84033	460
	53 Anthracene	178	9.188	9.194	(1.008)	38422	1.45694	110(a)
	54 Carbazole	167	9.346	9.352	(1.026)	11348	0.53774	42(a)
	56 Fluoranthene	202	10.322	10.310	(1.133)	176805	8.05672	630
	57 Pyrene	202	10.527	10.533	(0.889)	164582	6.84099	540
$	78 Terphenyl-d14	244	10.692	10.692	(0.903)	734860	45.4928	3600
	61 Benzo(a)anthracene	228	11.832	11.838	(0.999)	60107	3.58524	280
*	81 Chrysene-d12	240	11.843	11.849	(1.000)	561880	40.0000	
	62 Chrysene	228	11.873	11.879	(1.002)	55262	3.63826	280(a)
	65 Benzo(b)fluoranthene	252	13.207	13.213	(0.963)	56553	3.25607	260
	66 Benzo(k)fluoranthene	252	13.236	13.248	(0.963)	29365	1.66598	130(MH)
	67 Benzo(a)pyrene	252	13.636	13.647	(0.994)	39959	2.86969	220
*	84 Perylene-d12	264	13.718	13.724	(1.000)	529942	40.0000	
	68 Indeno(1,2,3-cd)pyrene	276	15.169	15.187	(1.106)	25486	2.02169	160
	69 Dibenz(a,h)anthracene	278	15.204	15.222	(1.108)	6894	0.55391	43
	70 Benzo(g,h,i)perylene	276	15.557	15.580	(1.134)	25977	2.00720	160(a)

QC Flag Legend

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

Data File: p30219.d

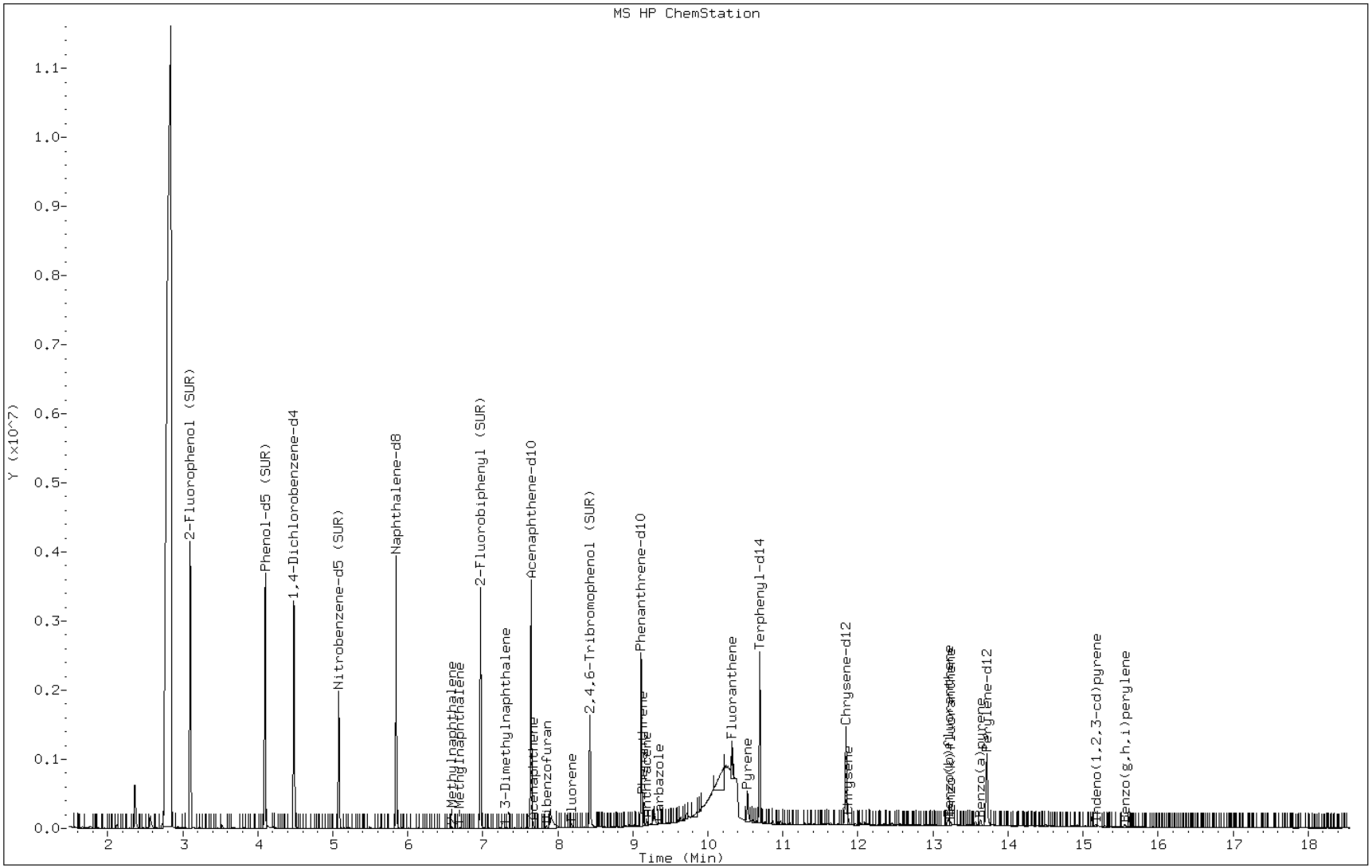
Date: 21-MAY-2012 01:22

Client ID: DB-2 13.5-14'

Instrument: BNAMS10.i

Sample Info: 460-40258-C-3-A

Operator: BNAMS 4



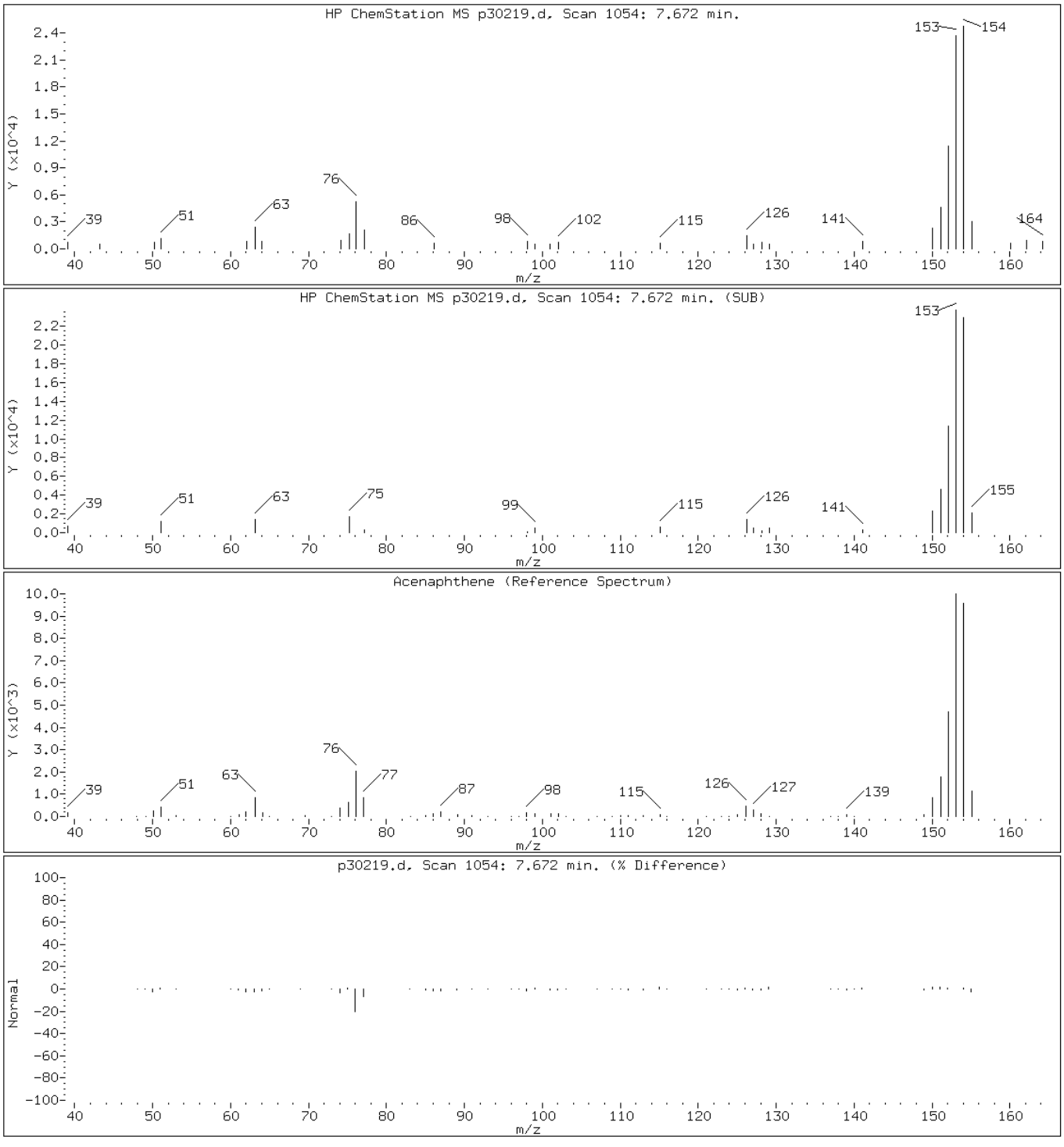
Data File: p30219.d

Date: 21-MAY-2012 01:22

Client ID: DB-2 13.5-14' Instrument: BNAMS10.i

Sample Info: 460-40258-C-3-A Operator: BNAMS 4

42 Acenaphthene



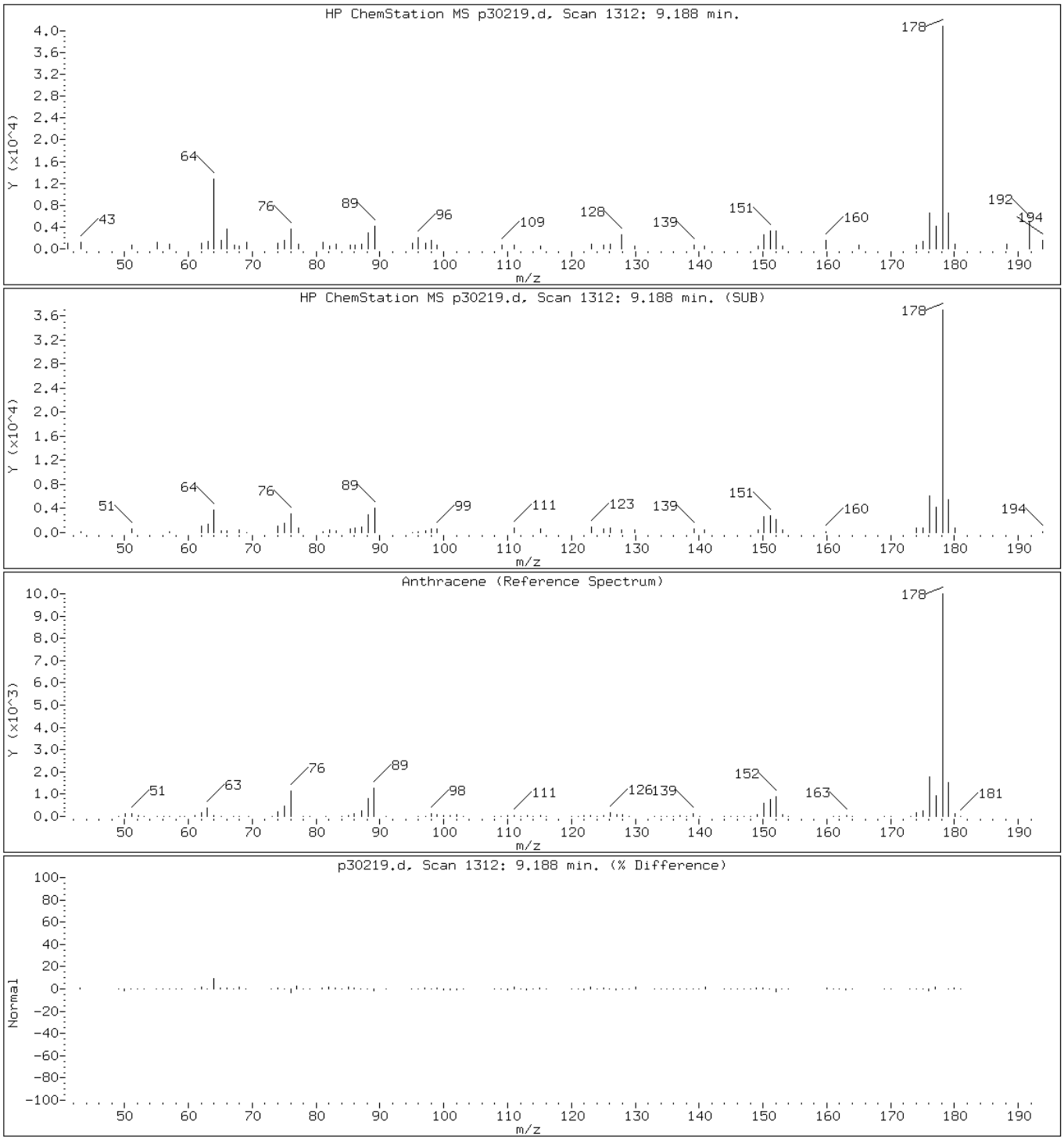
Data File: p30219.d

Date: 21-MAY-2012 01:22

Client ID: DB-2 13.5-14' Instrument: BNAMS10.i

Sample Info: 460-40258-C-3-A Operator: BNAMS 4

53 Anthracene



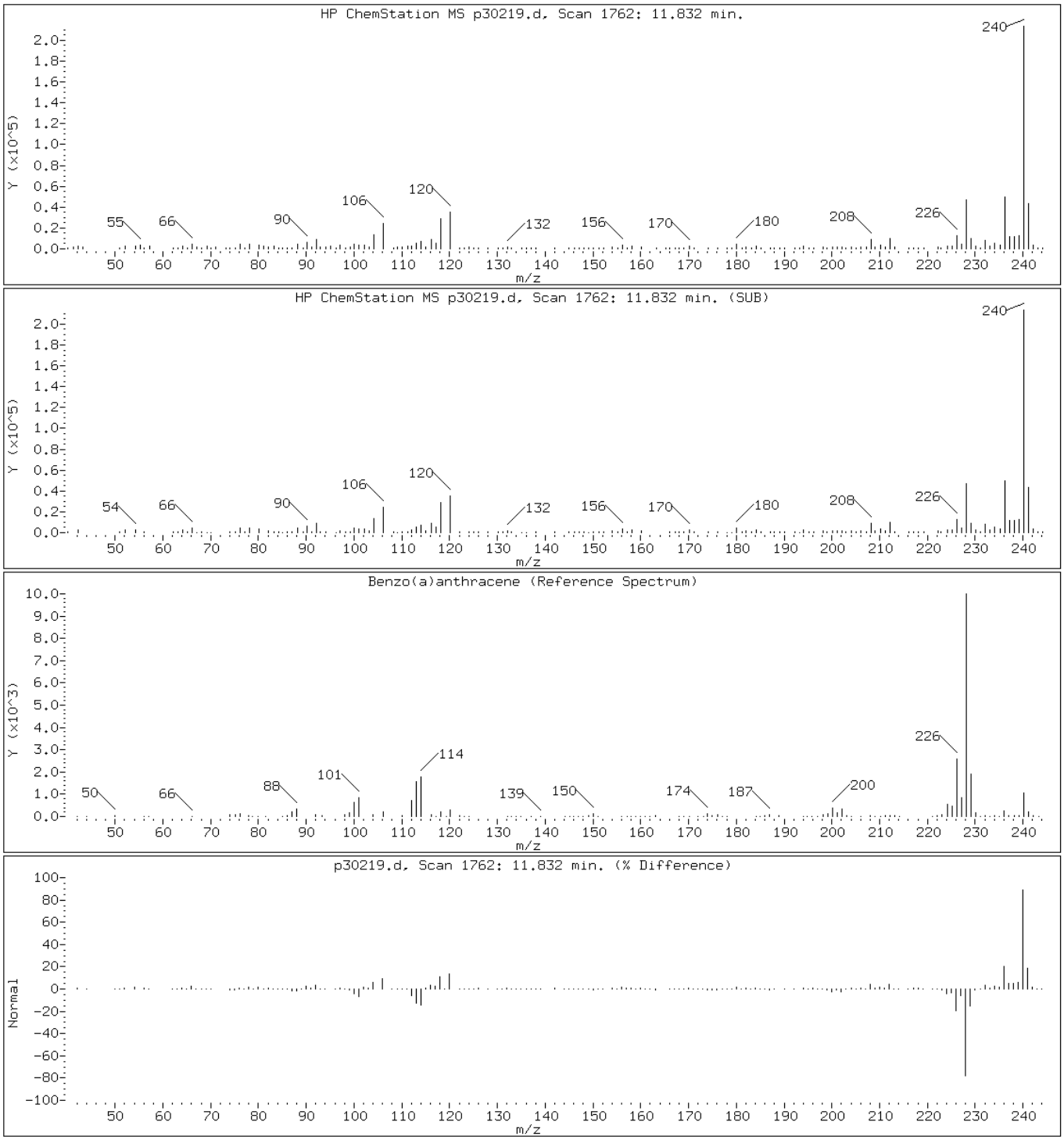
Data File: p30219.d

Date: 21-MAY-2012 01:22

Client ID: DB-2 13.5-14' Instrument: BNAMS10.i

Sample Info: 460-40258-C-3-A Operator: BNAMS 4

61 Benzo(a)anthracene



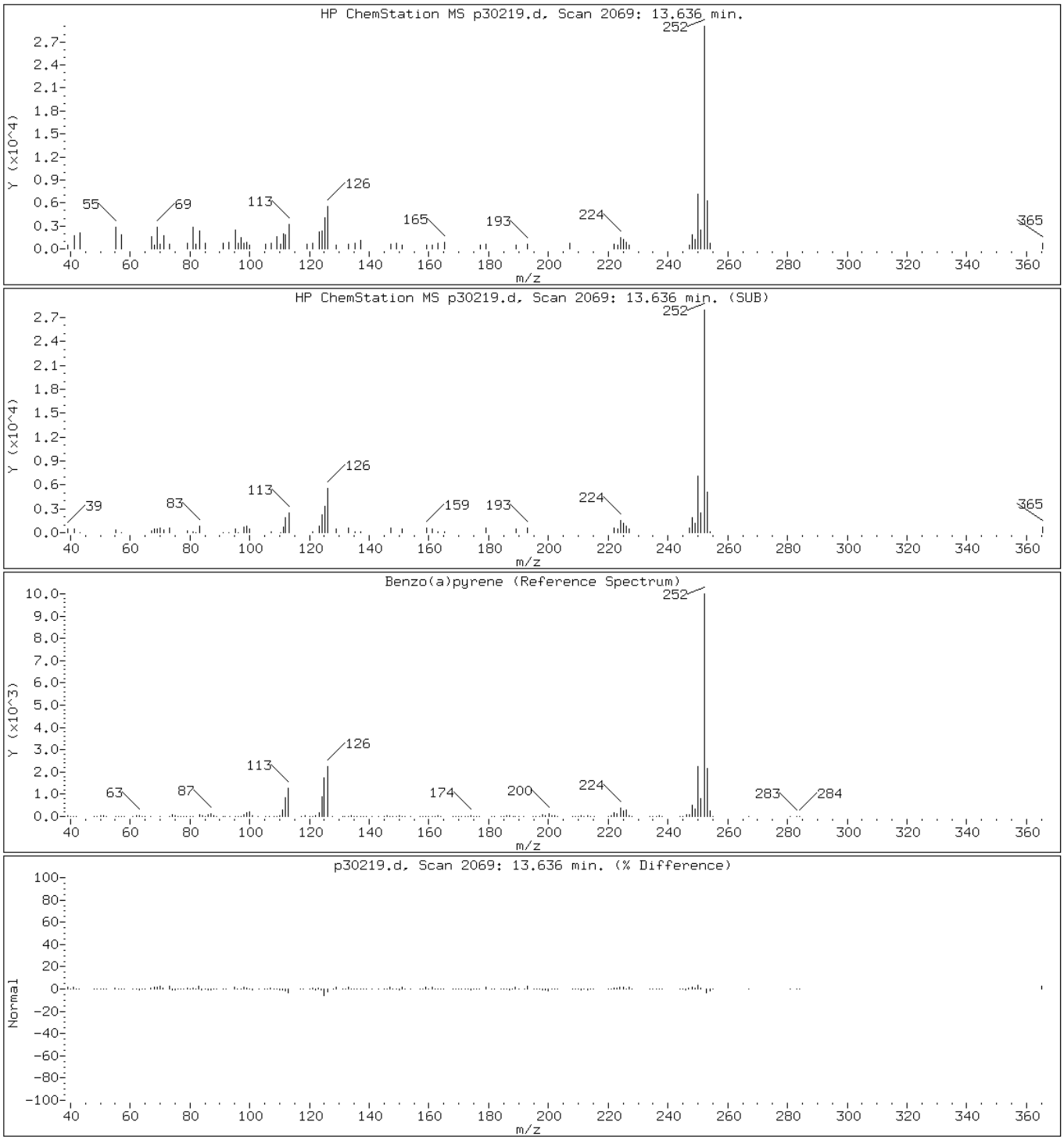
Data File: p30219.d

Date: 21-MAY-2012 01:22

Client ID: DB-2 13.5-14' Instrument: BNAMS10.i

Sample Info: 460-40258-C-3-A Operator: BNAMS 4

67 Benzo(a)pyrene



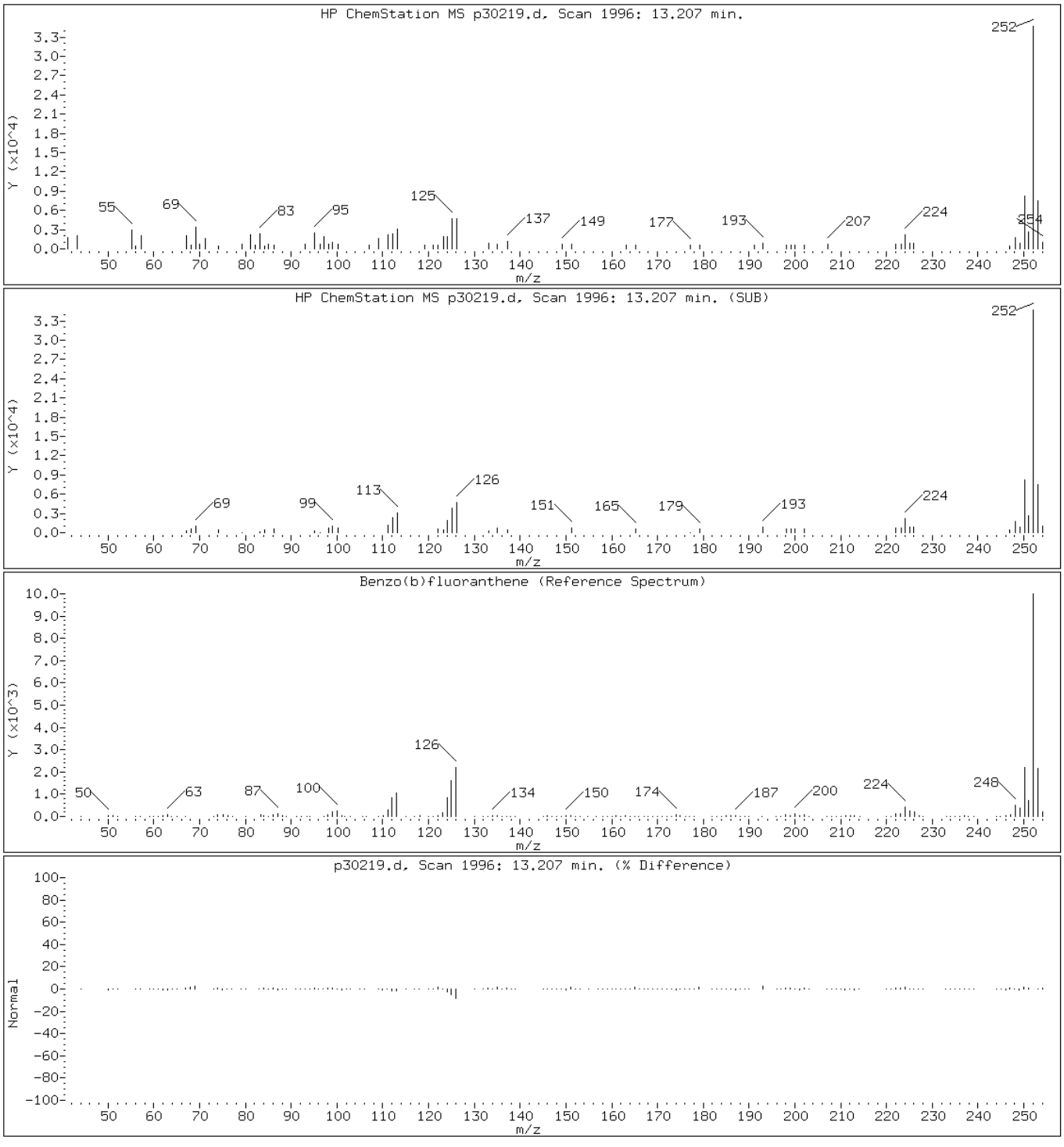
Data File: p30219.d

Date: 21-MAY-2012 01:22

Client ID: DB-2 13.5-14' Instrument: BNAMS10.i

Sample Info: 460-40258-C-3-A Operator: BNAMS 4

65 Benzo(b)fluoranthene



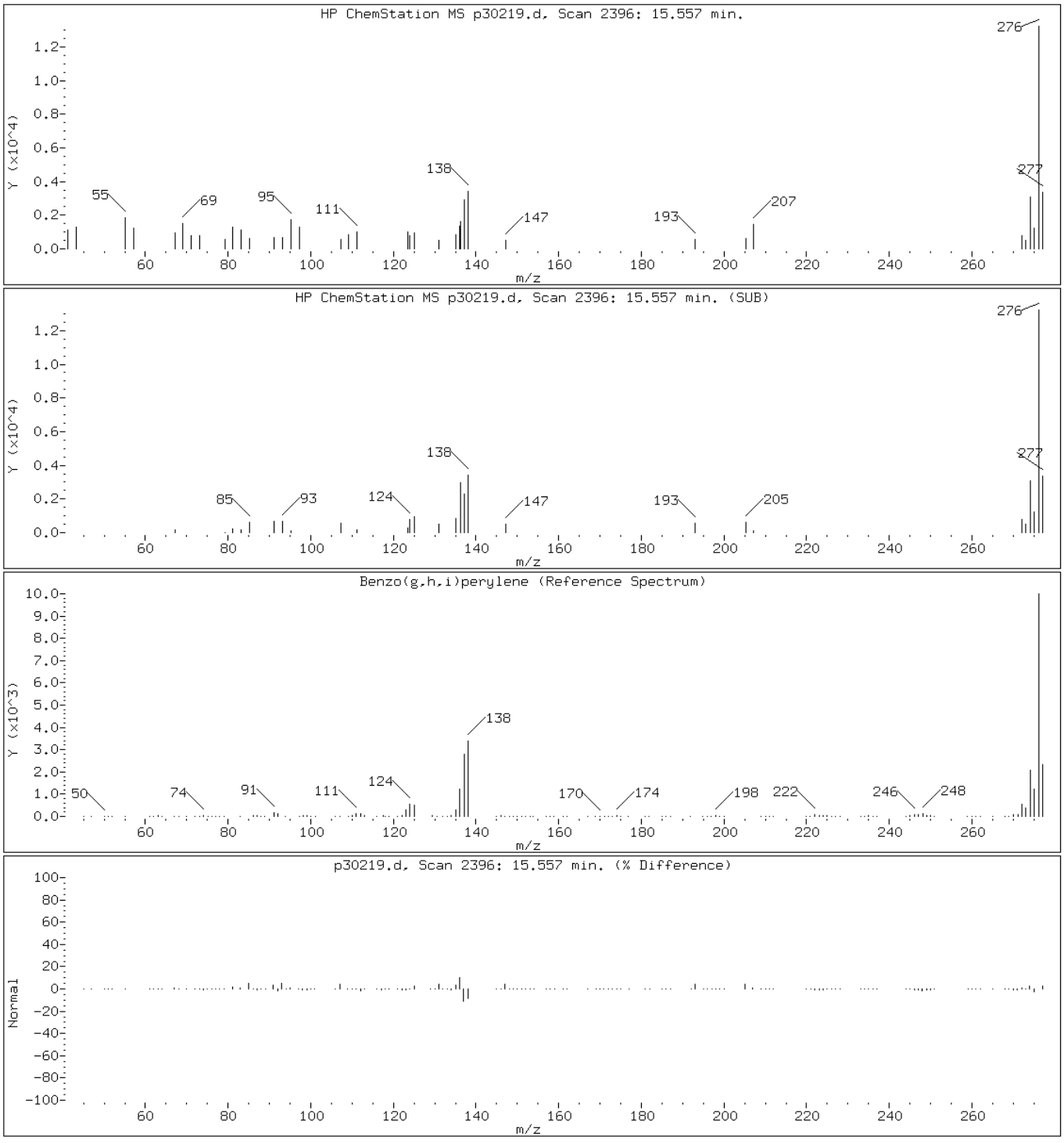
Data File: p30219.d

Date: 21-MAY-2012 01:22

Client ID: DB-2 13.5-14' Instrument: BNAMS10.i

Sample Info: 460-40258-C-3-A Operator: BNAMS 4

70 Benzo(g,h,i)perylene



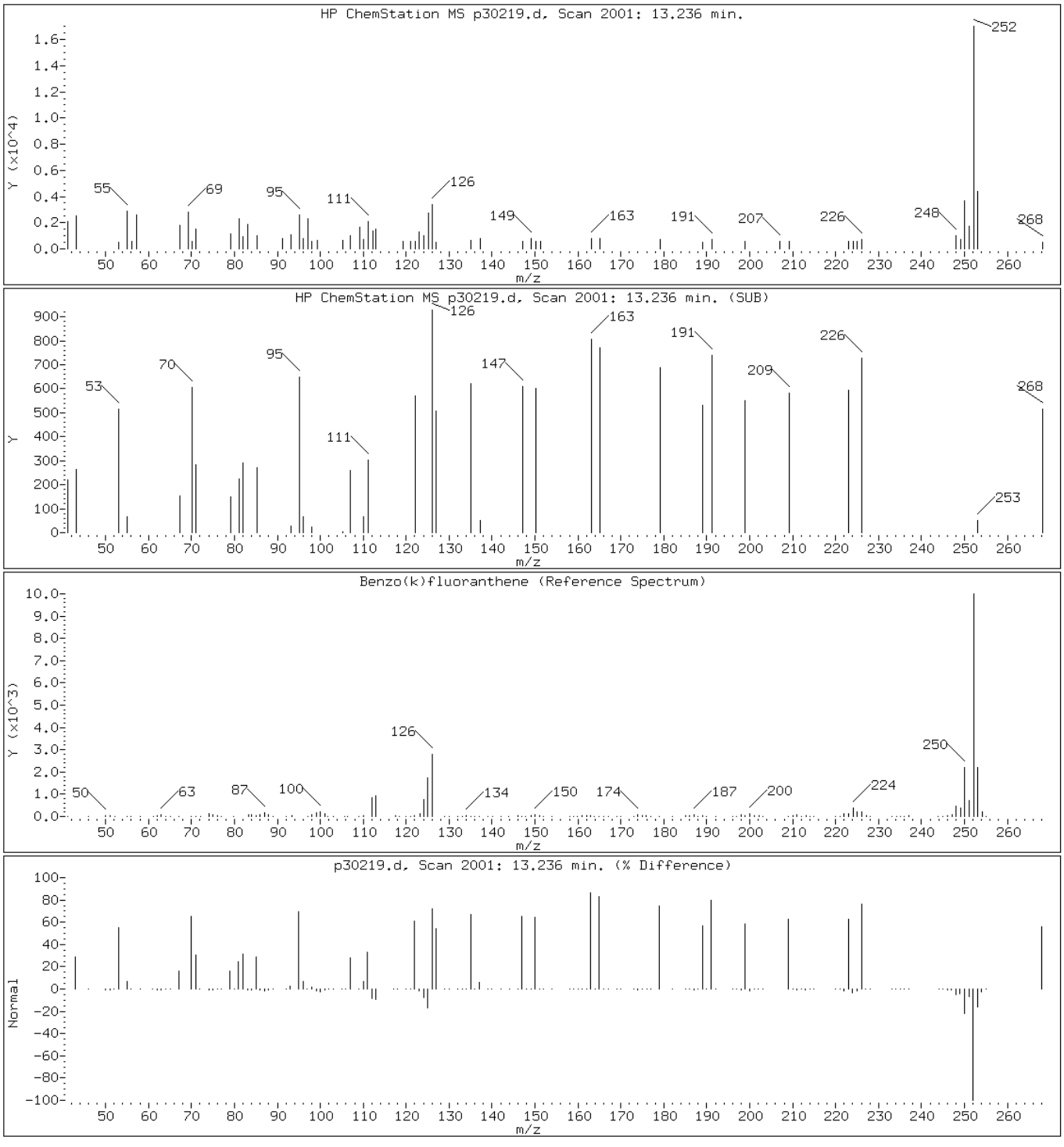
Data File: p30219.d

Date: 21-MAY-2012 01:22

Client ID: DB-2 13.5-14' Instrument: BNAMS10.i

Sample Info: 460-40258-C-3-A Operator: BNAMS 4

66 Benzo(k)fluoranthene



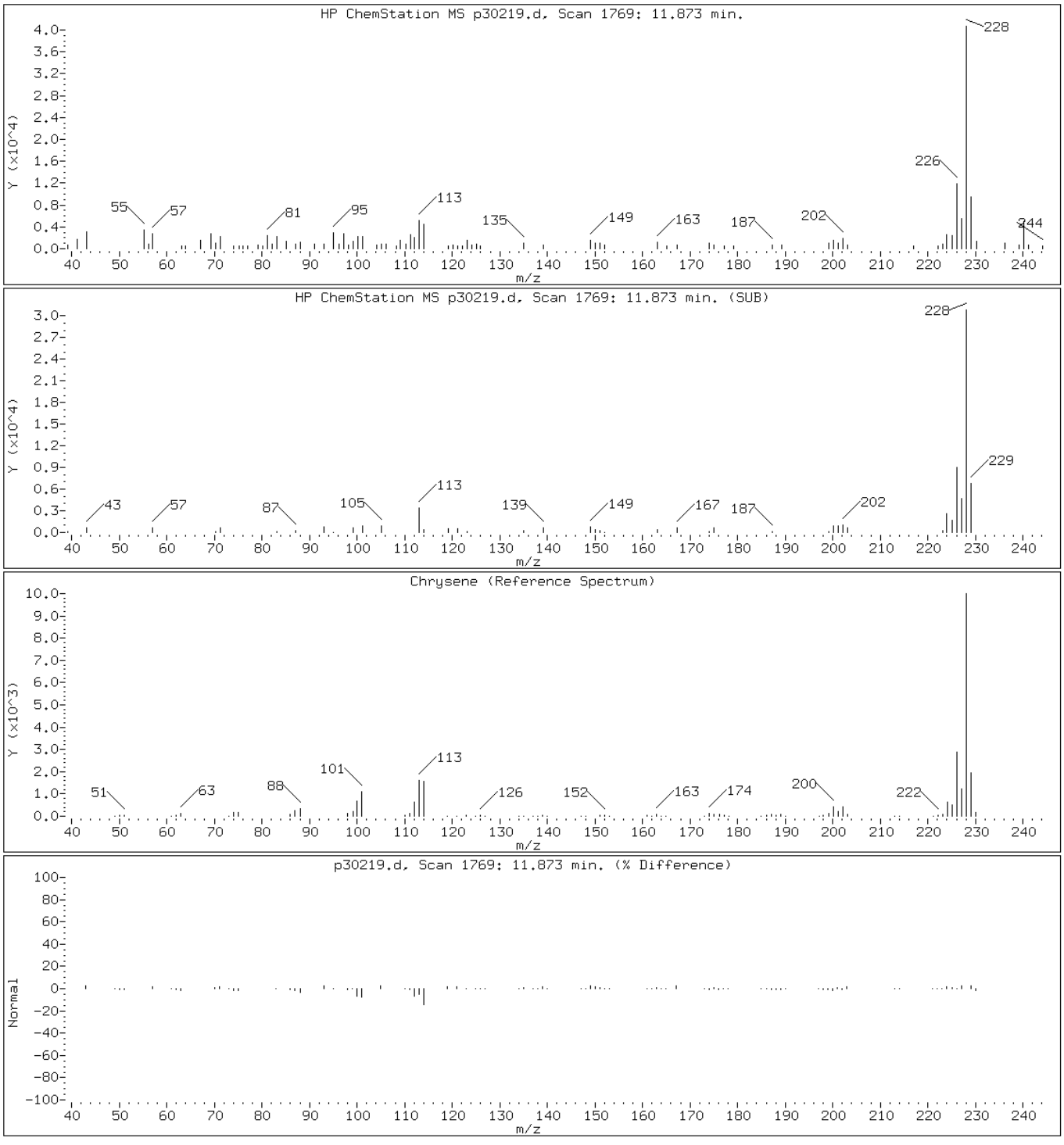
Data File: p30219.d

Date: 21-MAY-2012 01:22

Client ID: DB-2 13.5-14' Instrument: BNAMS10.i

Sample Info: 460-40258-C-3-A Operator: BNAMS 4

62 Chrysene



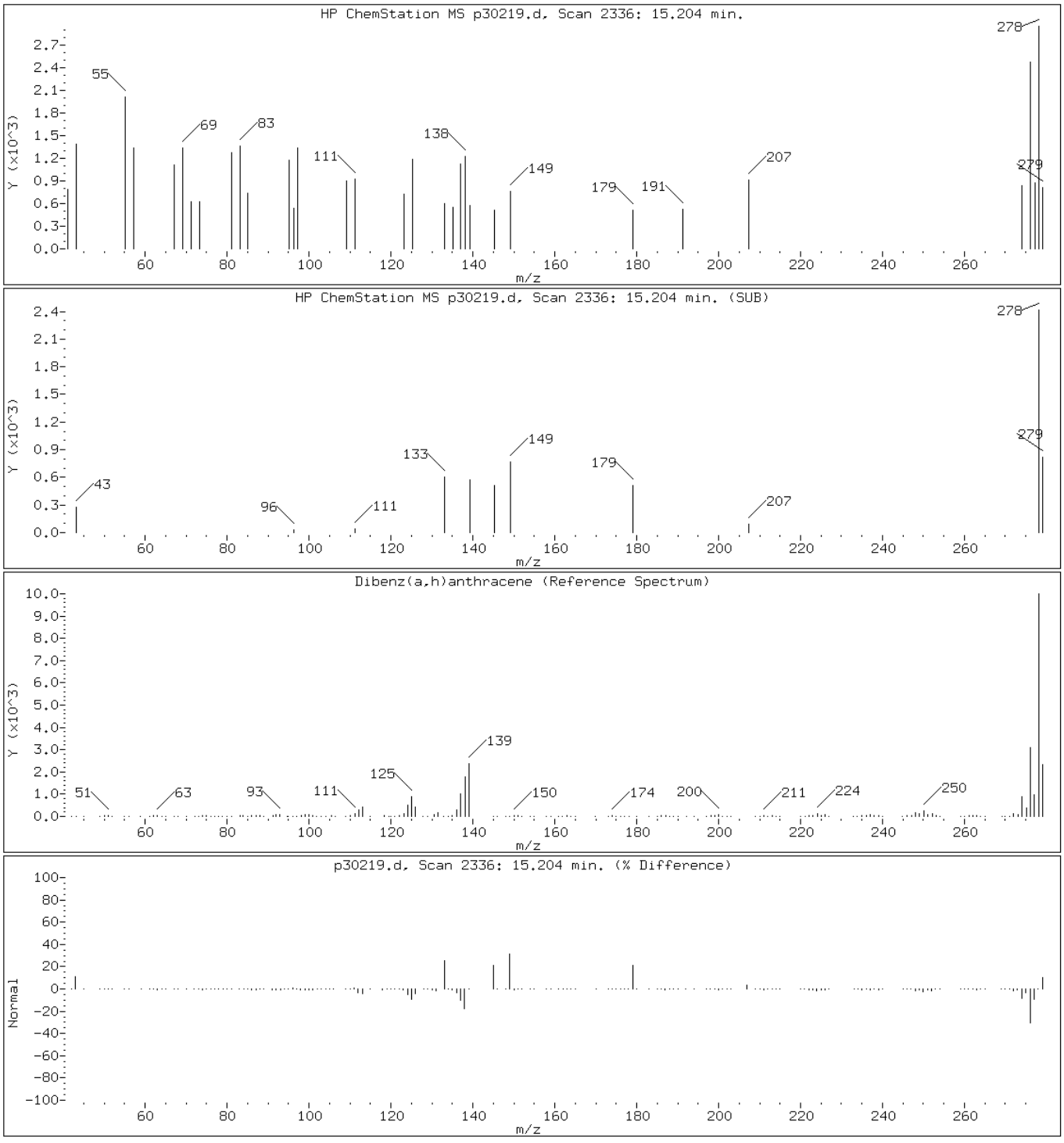
Data File: p30219.d

Date: 21-MAY-2012 01:22

Client ID: DB-2 13.5-14' Instrument: BNAMS10.i

Sample Info: 460-40258-C-3-A Operator: BNAMS 4

69 Dibenz(a,h)anthracene



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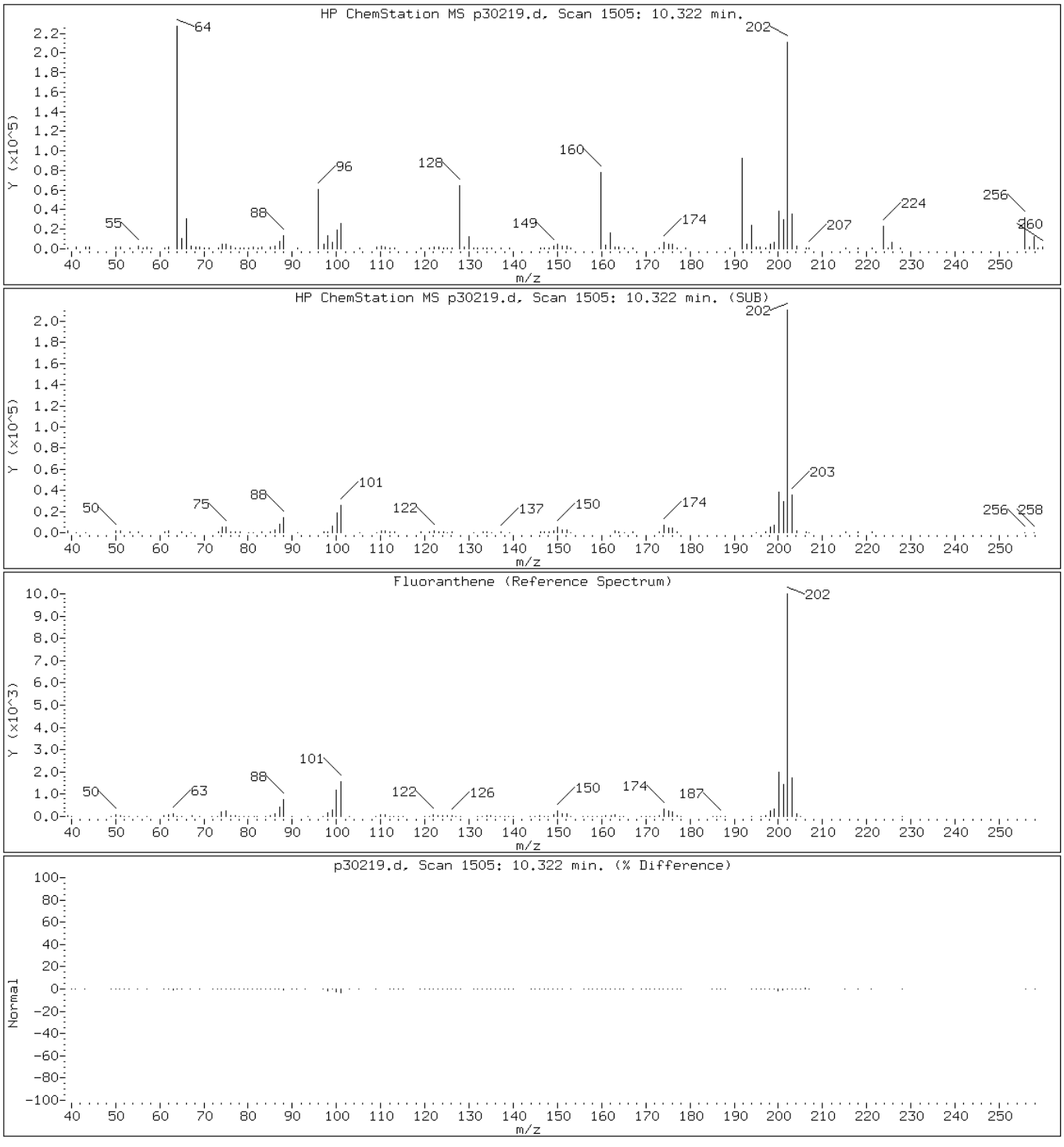
Date: 21-MAY-2012 01:22

Client ID: DB-2 13.5-14' Instrument: BNAMS10.i

Sample Info: 460-40258-C-3-A Operator: BNAMS 4

56 Fluoranthene



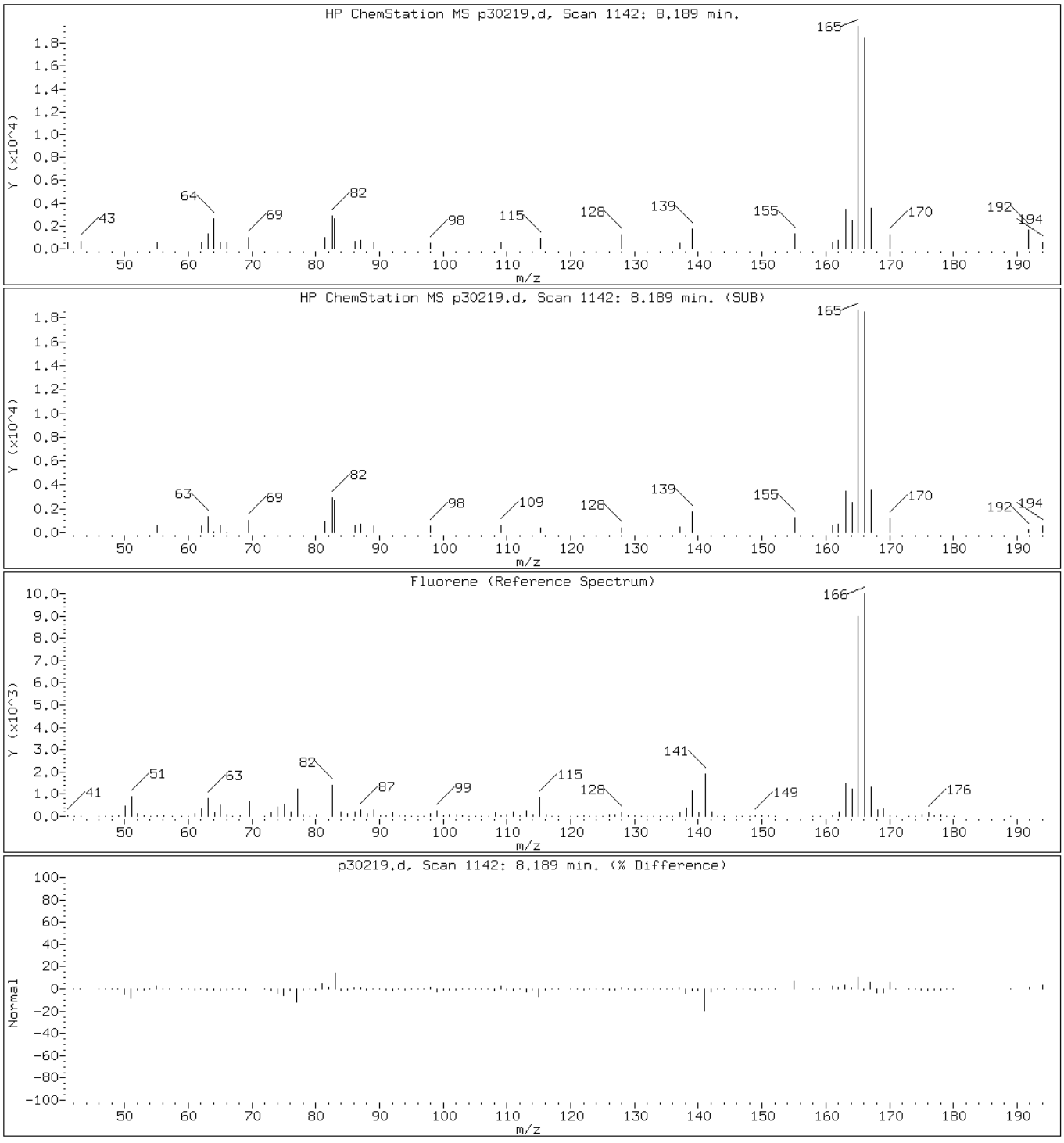
Data File: p30219.d

Date: 21-MAY-2012 01:22

Client ID: DB-2 13.5-14' Instrument: BNAMS10.i

Sample Info: 460-40258-C-3-A Operator: BNAMS 4

47 Fluorene



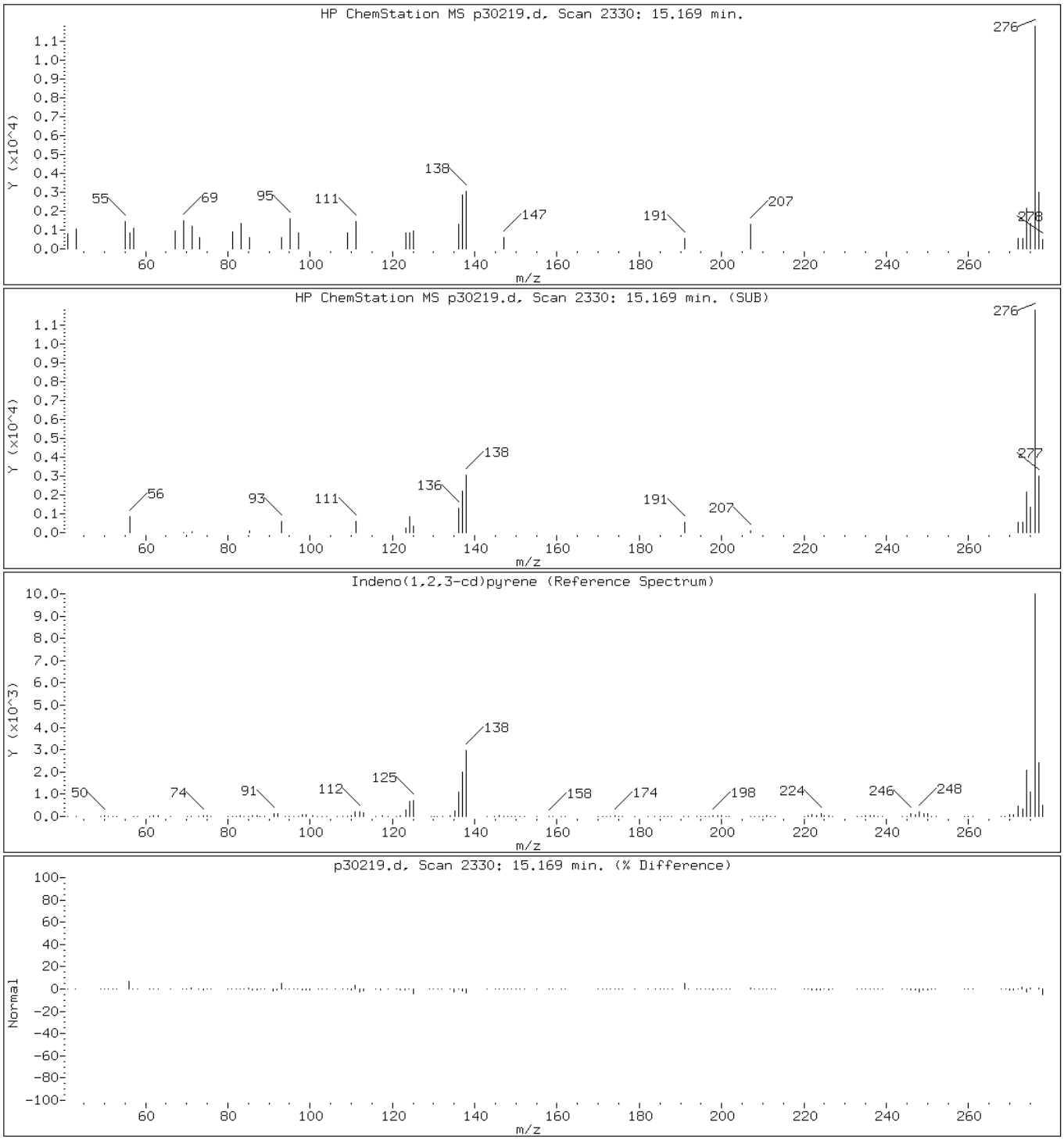
Data File: p30219.d

Date: 21-MAY-2012 01:22

Client ID: DB-2 13.5-14' Instrument: BNAMS10.i

Sample Info: 460-40258-C-3-A Operator: BNAMS 4

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



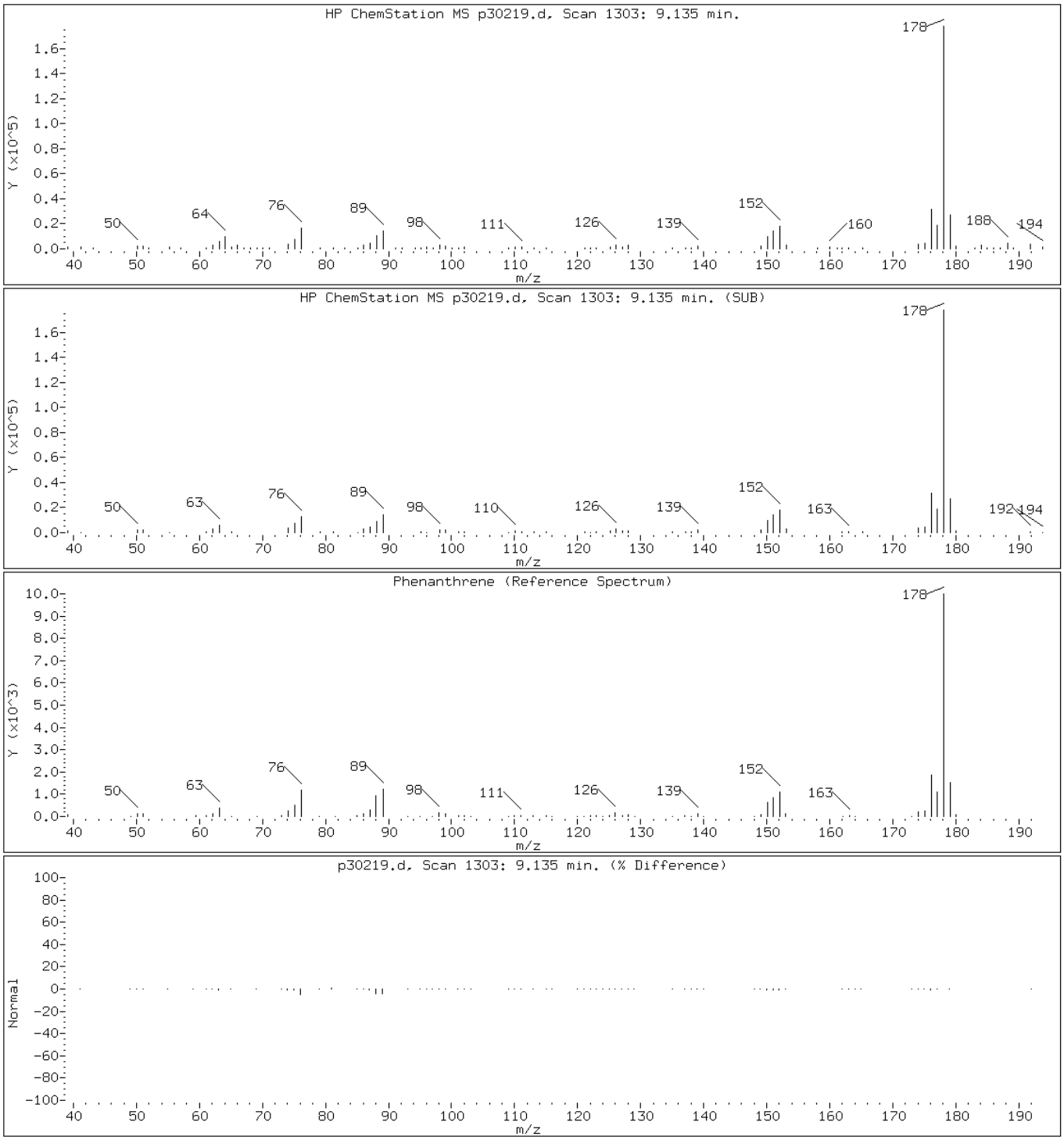
Data File: p30219.d

Date: 21-MAY-2012 01:22

Client ID: DB-2 13.5-14' Instrument: BNAMS10.i

Sample Info: 460-40258-C-3-A Operator: BNAMS 4

52 Phenanthrene



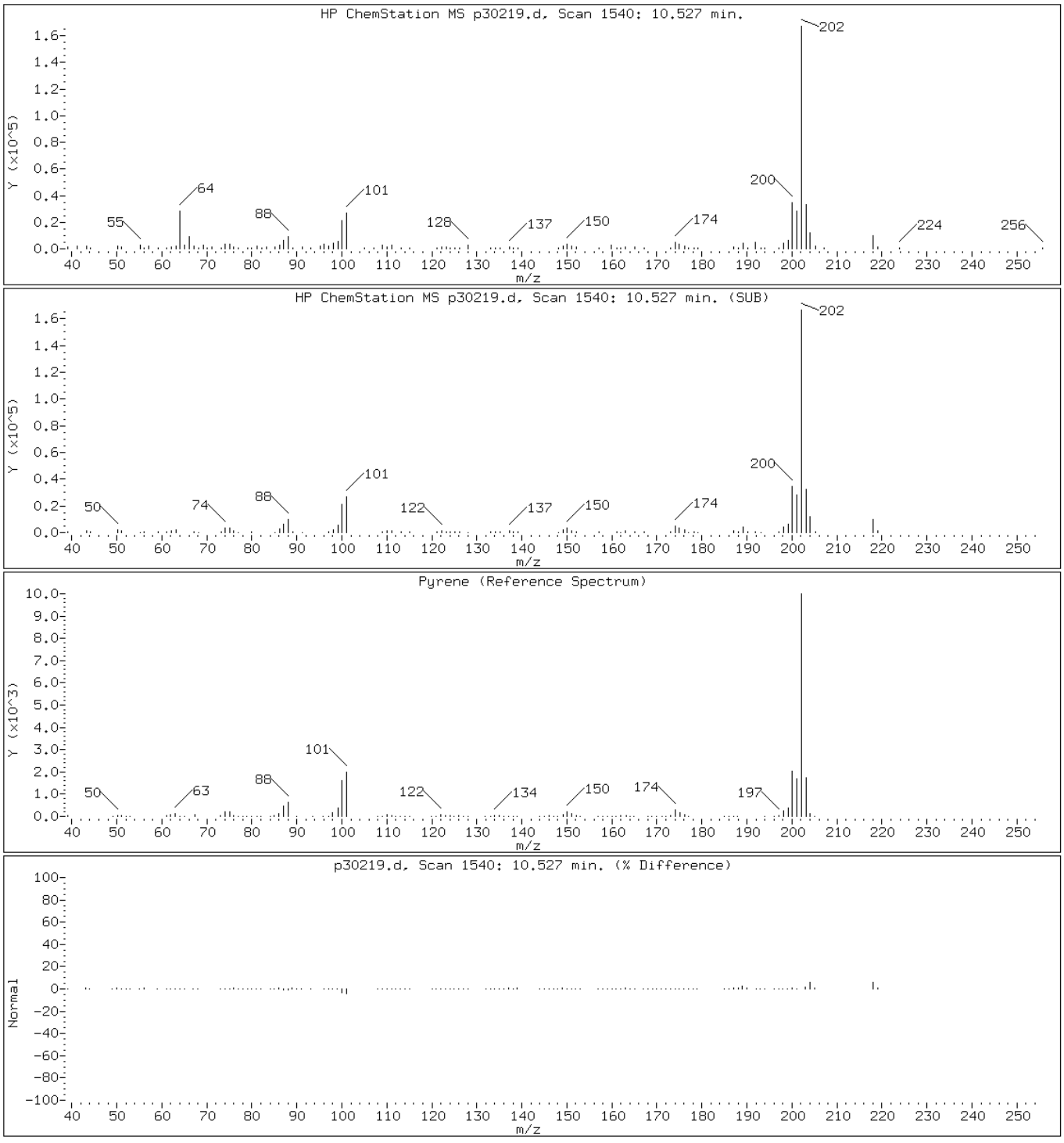
Data File: p30219.d

Date: 21-MAY-2012 01:22

Client ID: DB-2 13.5-14' Instrument: BNAMS10.i

Sample Info: 460-40258-C-3-A Operator: BNAMS 4

57 Pyrene



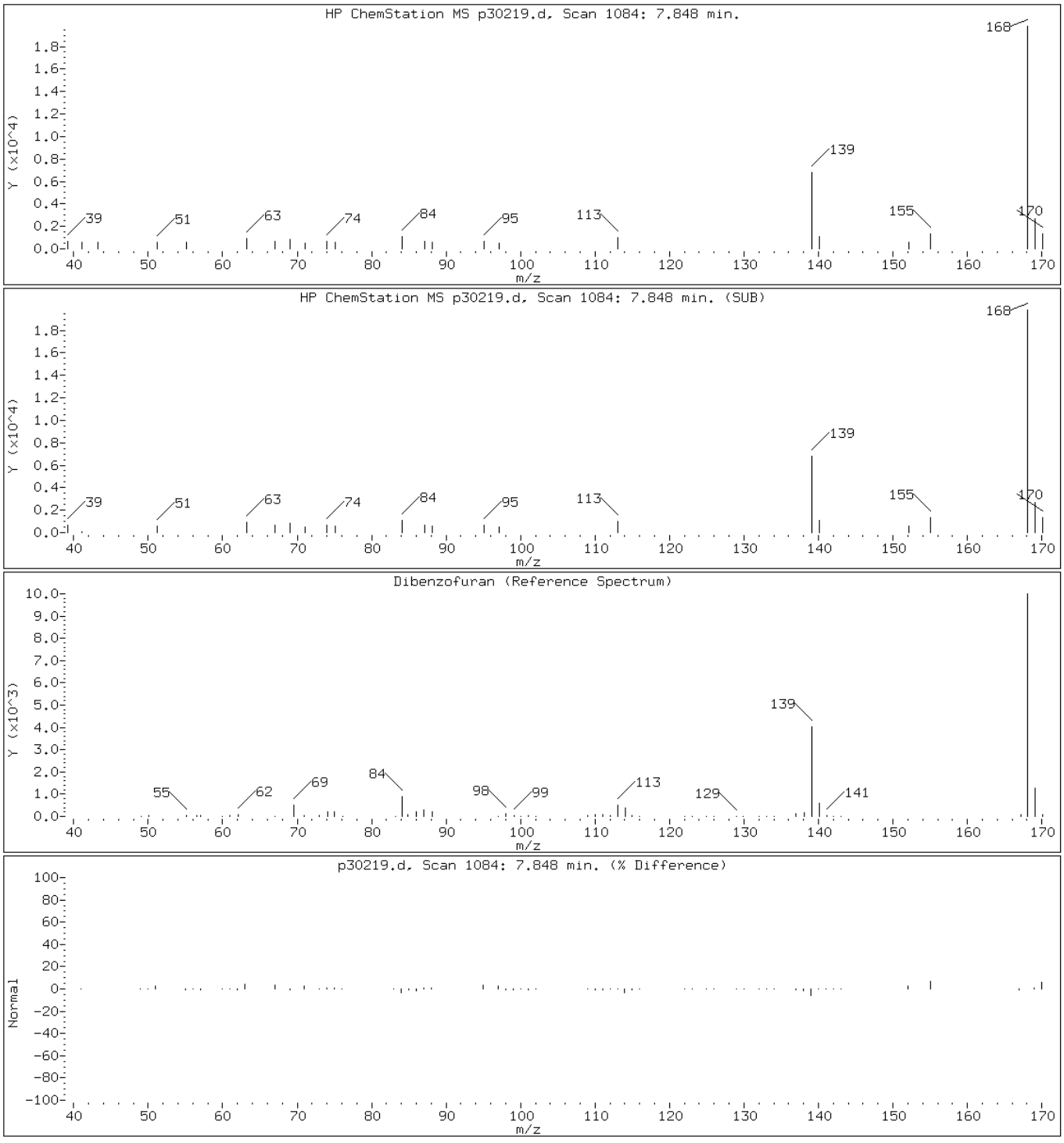
Data File: p30219.d

Date: 21-MAY-2012 01:22

Client ID: DB-2 13.5-14' Instrument: BNAMS10.i

Sample Info: 460-40258-C-3-A Operator: BNAMS 4

43 Dibenzofuran



Manual Integration Report

Data File: p30219.d
Inj. Date and Time: 21-MAY-2012 01:22
Instrument ID: BNAMS10.i
Client ID: DB-2 13.5-14'
Compound: 66 Benzo(k)fluoranthene
CAS #: 207-08-9
Report Date: 05/22/2012

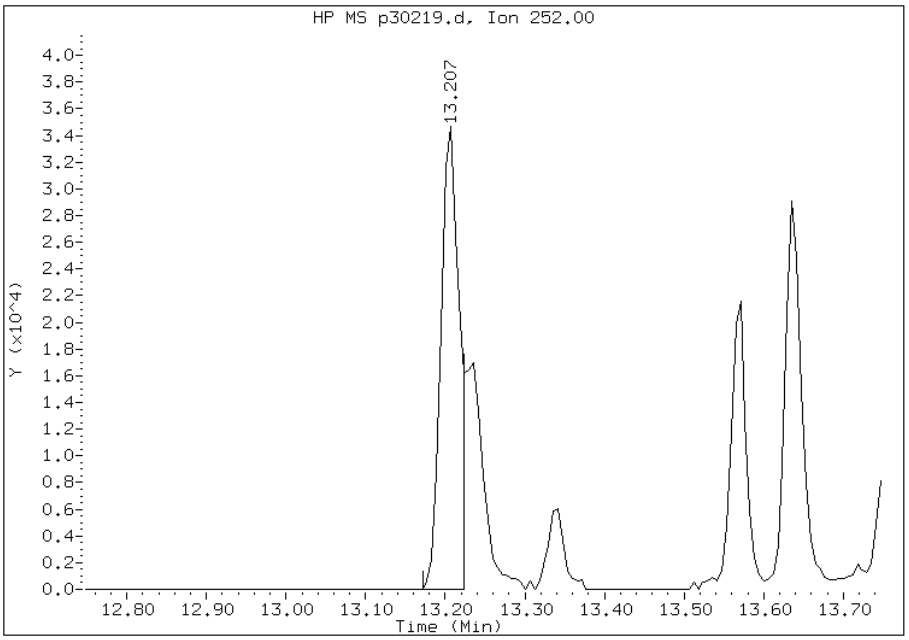
Processing Integration Results

RT: 13.21

Response: 56553

Amount: 3

Conc: 252



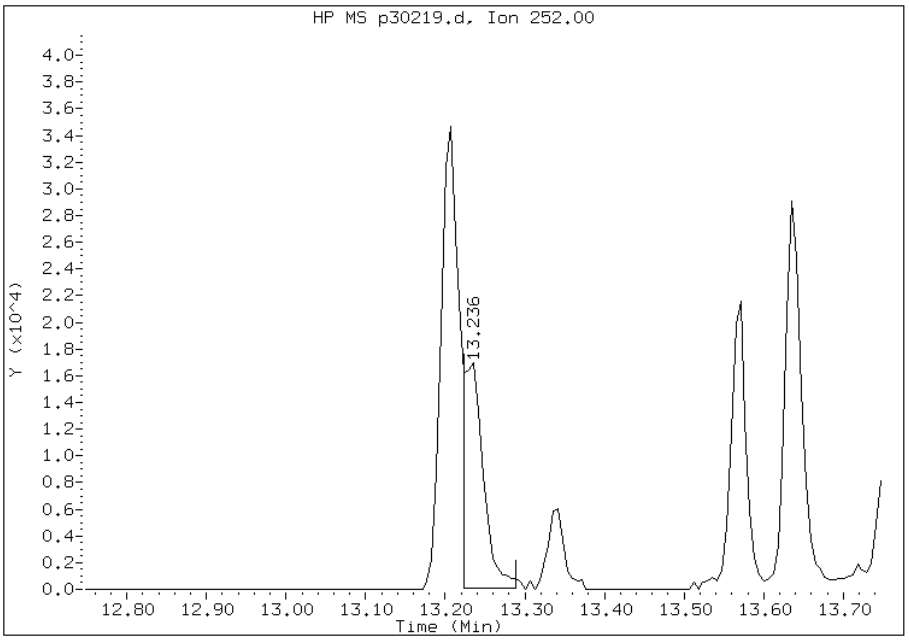
Manual Integration Results

RT: 13.24

Response: 29365

Amount: 2

Conc: 131



Manually Integrated By: wahied
Manual Integration Reason:

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-40258-1

SDG No.:

Client Sample ID: DB-2 34.5-35' | Lab Sample ID: 460-40258-4

Matrix: Solid | Lab File ID: p30185.d

Analysis Method: 8270C | Date Collected: 05/10/2012 14:50

Extract. Method: 3541 | Date Extracted: 05/17/2012 11:25

Sample wt/vol: 15.00(g) | Date Analyzed: 05/18/2012 07:19

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 10.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 113076 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-94-3	1,2,4,5-Tetrachlorobenzene	50	U	370	50
108-60-1	2,2'-oxybis[1-chloropropane]	41	U	370	41
58-90-2	2,3,4,6-Tetrachlorophenol	48	U	370	48
86-30-6	N-Nitrosodiphenylamine	37	U	370	37
77-47-4	Hexachlorocyclopentadiene	44	U	370	44
105-67-9	2,4-Dimethylphenol	91	U	370	91
606-20-2	2,6-Dinitrotoluene	11	U	75	11
62-53-3	Aniline	110	U	370	110
121-14-2	2,4-Dinitrotoluene	12	U	75	12
117-81-7	Bis(2-ethylhexyl) phthalate	120	U	370	120
65-85-0	Benzoic acid	370	U	370	370
91-58-7	2-Chloronaphthalene	41	U	370	41
85-68-7	Butyl benzyl phthalate	34	U	370	34
95-57-8	2-Chlorophenol	49	U	370	49
84-74-2	Di-n-butyl phthalate	46	U	370	46
120-83-2	2,4-Dichlorophenol	54	U	370	54
84-66-2	Diethyl phthalate	44	U	370	44
51-28-5	2,4-Dinitrophenol	210	U	1100	210
95-48-7	2-Methylphenol	63	U	370	63
131-11-3	Dimethyl phthalate	44	U	370	44
117-84-0	Di-n-octyl phthalate	24	U	370	24
91-94-1	3,3'-Dichlorobenzidine	130	U	750	130
118-74-1	Hexachlorobenzene	5.1	U	37	5.1
78-59-1	Isophorone	45	U	370	45
91-57-6	2-Methylnaphthalene	48	U	370	48
534-52-1	4,6-Dinitro-2-methylphenol	100	U	1100	100
88-74-4	2-Nitroaniline	150	U	750	150
101-55-3	4-Bromophenyl phenyl ether	37	U	370	37
99-09-2	3-Nitroaniline	130	U	750	130
59-50-7	4-Chloro-3-methylphenol	56	U	370	56
98-95-3	Nitrobenzene	5.3	U	37	5.3
88-75-5	2-Nitrophenol	41	U	370	41
7005-72-3	4-Chlorophenyl phenyl ether	43	U	370	43
106-44-5	4-Methylphenol	73	U	370	73

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-40258-1

SDG No.:

Client Sample ID: DB-2 34.5-35' | Lab Sample ID: 460-40258-4

Matrix: Solid | Lab File ID: p30185.d

Analysis Method: 8270C | Date Collected: 05/10/2012 14:50

Extract. Method: 3541 | Date Extracted: 05/17/2012 11:25

Sample wt/vol: 15.00(g) | Date Analyzed: 05/18/2012 07:19

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 10.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 113076 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-02-7	4-Nitrophenol	240	U	1100	240
95-95-4	2,4,5-Trichlorophenol	48	U	370	48
100-01-6	4-Nitroaniline	120	U	750	120
88-06-2	2,4,6-Trichlorophenol	43	U	370	43
106-47-8	4-Chloroaniline	98	U	370	98
83-32-9	Acenaphthene	54	U	370	54
208-96-8	Acenaphthylene	44	U	370	44
98-86-2	Acetophenone	57	U	370	57
120-12-7	Anthracene	45	U	370	45
56-55-3	Benzo[a]anthracene	2.6	U	37	2.6
1912-24-9	Atrazine	57	U	370	57
50-32-8	Benzo[a]pyrene	2.6	U	37	2.6
100-52-7	Benzaldehyde	44	U	370	44
205-99-2	Benzo[b]fluoranthene	2.3	U	37	2.3
191-24-2	Benzo[g,h,i]perylene	27	U	370	27
207-08-9	Benzo[k]fluoranthene	2.8	U	37	2.8
218-01-9	Chrysene	43	U	370	43
53-70-3	Dibenz(a,h)anthracene	4.7	U	37	4.7
206-44-0	Fluoranthene	49	U	370	49
86-73-7	Fluorene	47	U	370	47
111-91-1	Bis(2-chloroethoxy)methane	48	U	370	48
193-39-5	Indeno[1,2,3-cd]pyrene	6.9	U	37	6.9
111-44-4	Bis(2-chloroethyl)ether	5.1	U	37	5.1
85-01-8	Phenanthrene	47	U	370	47
129-00-0	Pyrene	31	U	370	31
105-60-2	Caprolactam	85	U	370	85
86-74-8	Carbazole	44	U	370	44
132-64-9	Dibenzofuran	43	U	370	43
92-52-4	Diphenyl	50	U	370	50
87-68-3	Hexachlorobutadiene	9.0	U	75	9.0
67-72-1	Hexachloroethane	4.1	U	37	4.1
91-20-3	Naphthalene	43	U	370	43
621-64-7	N-Nitrosodi-n-propylamine	6.2	U	37	6.2
87-86-5	Pentachlorophenol	110	U	1100	110

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-40258-1

SDG No.:

Client Sample ID: DB-2 34.5-35' | Lab Sample ID: 460-40258-4

Matrix: Solid | Lab File ID: p30185.d

Analysis Method: 8270C | Date Collected: 05/10/2012 14:50

Extract. Method: 3541 | Date Extracted: 05/17/2012 11:25

Sample wt/vol: 15.00(g) | Date Analyzed: 05/18/2012 07:19

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 10.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 113076 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-95-2	Phenol	50	U	370	50
15831-10-4	3 & 4 Methylphenol	63	U	370	63

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	70		38-105
4165-62-2	Phenol-d5	67		41-118
1718-51-0	Terphenyl-d14	86		16-151
367-12-4	2-Fluorophenol	67		37-125
118-79-6	2,4,6-Tribromophenol	82		10-120
321-60-8	2-Fluorobiphenyl	75		40-109

Data File: /chem/BNAMS10.i/8270/05-16-12/18may12.b/p30185.d
Report Date: 18-May-2012 10:19

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS10.i/8270/05-16-12/18may12.b/p30185.d
Lab Smp Id: 460-40258-B-4-A Client Smp ID: DB-2 34.5-35'
Inj Date : 18-MAY-2012 07:19
Operator : BNAMS 4 Inst ID: BNAMS10.i
Smp Info : 460-40258-B-4-A
Misc Info : 460-40258-B-4-A
Comment   :
Method   : /chem/BNAMS10.i/8270/05-16-12/18may12.b/8270C_11.m
Meth Date : 18-May-2012 03:54 asfawa Quant Type: ISTD
Cal Date : 16-MAY-2012 15:59 Cal File: p30119.d
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * Uf*1000*Vt/(Ws*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

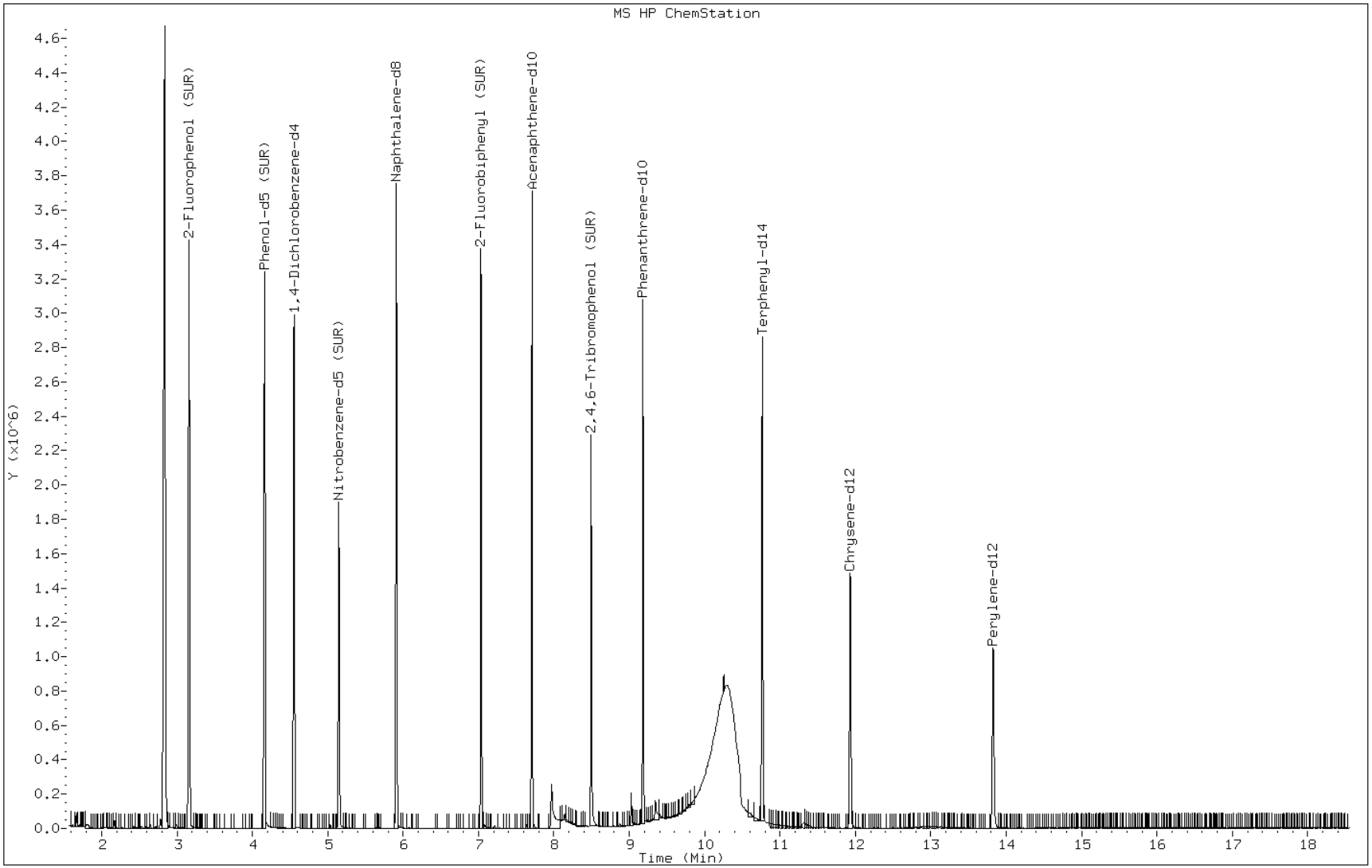
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)
$ 16 2-Fluorophenol (SUR)	112	3.161	3.143	(0.694)	1108683	66.7740	4400
$ 17 Phenol-d5 (SUR)	99	4.165	4.177	(0.915)	1329362	67.2034	4500
* 79 1,4-Dichlorobenzene-d4	152	4.553	4.559	(1.000)	484798	40.0000	
$ 76 Nitrobenzene-d5 (SUR)	82	5.147	5.164	(0.871)	626164	35.1792	2300
* 80 Naphthalene-d8	136	5.910	5.922	(1.000)	1609217	40.0000	
$ 77 2-Fluorobiphenyl (SUR)	172	7.033	7.044	(0.912)	1081903	37.4748	2500
* 82 Acenaphthene-d10	164	7.708	7.714	(1.000)	844336	40.0000	
$ 18 2,4,6-Tribromophenol (SUR)	330	8.496	8.502	(1.102)	257840	81.7897	5400
* 83 Phenanthrene-d10	188	9.183	9.189	(1.000)	1063361	40.0000	
$ 78 Terphenyl-d14	244	10.764	10.764	(0.902)	815569	42.7967	2800
* 81 Chrysene-d12	240	11.933	11.939	(1.000)	662876	40.0000	
* 84 Perylene-d12	264	13.831	13.831	(1.000)	586912	40.0000	

Data File: p30185.d

Date: 18-MAY-2012 07:19

Client ID: DB-2 34.5-35' Instrument: BNAMS10.i

Sample Info: 460-40258-B-4-A Operator: BNAMS 4



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-40258-1

SDG No.:

Client Sample ID: DB-3 20.5-21' | Lab Sample ID: 460-40258-5

Matrix: Solid | Lab File ID: p30186.d

Analysis Method: 8270C | Date Collected: 05/10/2012 16:40

Extract. Method: 3541 | Date Extracted: 05/17/2012 11:25

Sample wt/vol: 15.01(g) | Date Analyzed: 05/18/2012 07:46

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 15.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 113076 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-94-3	1,2,4,5-Tetrachlorobenzene	53	U	390	53
108-60-1	2,2'-oxybis[1-chloropropane]	43	U	390	43
58-90-2	2,3,4,6-Tetrachlorophenol	51	U	390	51
86-30-6	N-Nitrosodiphenylamine	39	U	390	39
77-47-4	Hexachlorocyclopentadiene	46	U	390	46
105-67-9	2,4-Dimethylphenol	97	U	390	97
606-20-2	2,6-Dinitrotoluene	12	U	79	12
62-53-3	Aniline	110	U	390	110
121-14-2	2,4-Dinitrotoluene	13	U	79	13
117-81-7	Bis(2-ethylhexyl) phthalate	130	U	390	130
65-85-0	Benzoic acid	390	U	390	390
91-58-7	2-Chloronaphthalene	44	U	390	44
85-68-7	Butyl benzyl phthalate	36	U	390	36
95-57-8	2-Chlorophenol	52	U	390	52
84-74-2	Di-n-butyl phthalate	48	U	390	48
120-83-2	2,4-Dichlorophenol	57	U	390	57
84-66-2	Diethyl phthalate	47	U	390	47
51-28-5	2,4-Dinitrophenol	220	U	1200	220
95-48-7	2-Methylphenol	67	U	390	67
131-11-3	Dimethyl phthalate	46	U	390	46
117-84-0	Di-n-octyl phthalate	25	U	390	25
91-94-1	3,3'-Dichlorobenzidine	140	U	790	140
118-74-1	Hexachlorobenzene	5.4	U	39	5.4
78-59-1	Isophorone	48	U	390	48
91-57-6	2-Methylnaphthalene	50	U	390	50
534-52-1	4,6-Dinitro-2-methylphenol	110	U	1200	110
88-74-4	2-Nitroaniline	160	U	790	160
101-55-3	4-Bromophenyl phenyl ether	39	U	390	39
99-09-2	3-Nitroaniline	140	U	790	140
59-50-7	4-Chloro-3-methylphenol	59	U	390	59
98-95-3	Nitrobenzene	5.6	U	39	5.6
88-75-5	2-Nitrophenol	44	U	390	44
7005-72-3	4-Chlorophenyl phenyl ether	46	U	390	46
106-44-5	4-Methylphenol	77	U	390	77

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-40258-1

SDG No.:

Client Sample ID: DB-3 20.5-21' | Lab Sample ID: 460-40258-5

Matrix: Solid | Lab File ID: p30186.d

Analysis Method: 8270C | Date Collected: 05/10/2012 16:40

Extract. Method: 3541 | Date Extracted: 05/17/2012 11:25

Sample wt/vol: 15.01(g) | Date Analyzed: 05/18/2012 07:46

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 15.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 113076 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-02-7	4-Nitrophenol	250	U	1200	250
95-95-4	2,4,5-Trichlorophenol	51	U	390	51
100-01-6	4-Nitroaniline	120	U	790	120
88-06-2	2,4,6-Trichlorophenol	46	U	390	46
106-47-8	4-Chloroaniline	100	U	390	100
83-32-9	Acenaphthene	57	U	390	57
208-96-8	Acenaphthylene	46	U	390	46
98-86-2	Acetophenone	60	U	390	60
120-12-7	Anthracene	48	U	390	48
56-55-3	Benzo[a]anthracene	2.7	U	39	2.7
1912-24-9	Atrazine	61	U	390	61
50-32-8	Benzo[a]pyrene	2.8	U	39	2.8
100-52-7	Benzaldehyde	46	U	390	46
205-99-2	Benzo[b]fluoranthene	2.5	U	39	2.5
191-24-2	Benzo[g,h,i]perylene	29	U	390	29
207-08-9	Benzo[k]fluoranthene	3.0	U	39	3.0
218-01-9	Chrysene	46	U	390	46
53-70-3	Dibenz(a,h)anthracene	4.9	U	39	4.9
206-44-0	Fluoranthene	52	U	390	52
86-73-7	Fluorene	50	U	390	50
111-91-1	Bis(2-chloroethoxy)methane	51	U	390	51
193-39-5	Indeno[1,2,3-cd]pyrene	7.3	U	39	7.3
111-44-4	Bis(2-chloroethyl)ether	5.3	U	39	5.3
85-01-8	Phenanthrene	50	U	390	50
129-00-0	Pyrene	33	U	390	33
105-60-2	Caprolactam	90	U	390	90
86-74-8	Carbazole	46	U	390	46
132-64-9	Dibenzofuran	46	U	390	46
92-52-4	Diphenyl	53	U	390	53
87-68-3	Hexachlorobutadiene	9.6	U	79	9.6
67-72-1	Hexachloroethane	4.4	U	39	4.4
91-20-3	Naphthalene	45	U	390	45
621-64-7	N-Nitrosodi-n-propylamine	6.5	U	39	6.5
87-86-5	Pentachlorophenol	120	U	1200	120

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-40258-1

SDG No.:

Client Sample ID: DB-3 20.5-21' | Lab Sample ID: 460-40258-5

Matrix: Solid | Lab File ID: p30186.d

Analysis Method: 8270C | Date Collected: 05/10/2012 16:40

Extract. Method: 3541 | Date Extracted: 05/17/2012 11:25

Sample wt/vol: 15.01(g) | Date Analyzed: 05/18/2012 07:46

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 15.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 113076 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-95-2	Phenol	53	U	390	53
15831-10-4	3 & 4 Methylphenol	67	U	390	67

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	67		38-105
4165-62-2	Phenol-d5	68		41-118
1718-51-0	Terphenyl-d14	100		16-151
367-12-4	2-Fluorophenol	65		37-125
118-79-6	2,4,6-Tribromophenol	56		10-120
321-60-8	2-Fluorobiphenyl	73		40-109

Data File: /chem/BNAMS10.i/8270/05-16-12/18may12.b/p30186.d
Report Date: 18-May-2012 10:19

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS10.i/8270/05-16-12/18may12.b/p30186.d
Lab Smp Id: 460-40258-B-5-A Client Smp ID: DB-3 20.5-21'
Inj Date : 18-MAY-2012 07:46
Operator : BNAMS 4 Inst ID: BNAMS10.i
Smp Info : 460-40258-B-5-A
Misc Info : 460-40258-B-5-A
Comment   :
Method   : /chem/BNAMS10.i/8270/05-16-12/18may12.b/8270C_11.m
Meth Date : 18-May-2012 03:54 asfawa Quant Type: ISTD
Cal Date : 16-MAY-2012 15:59 Cal File: p30119.d
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * Uf*1000*Vt/(Ws*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.01000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

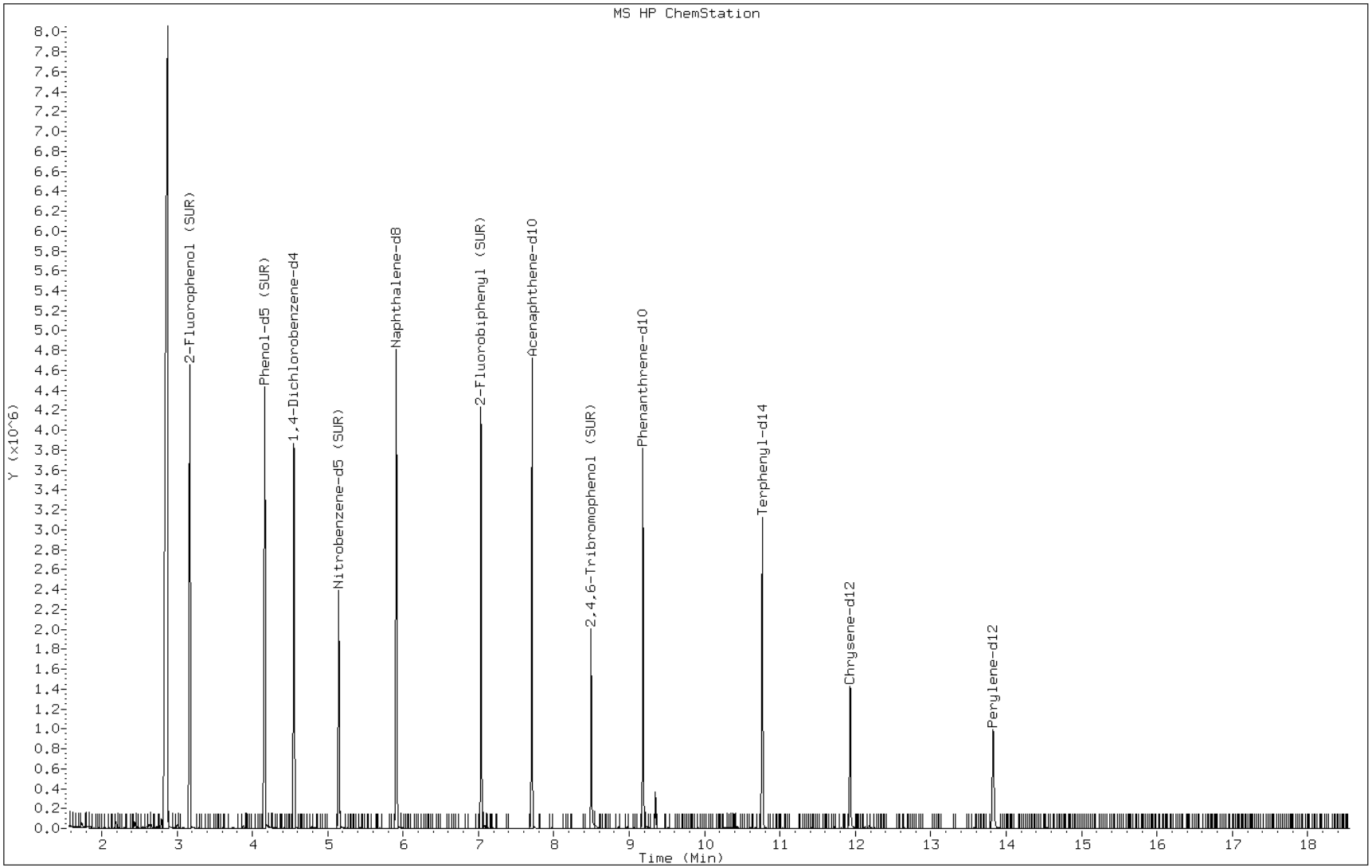
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)
$ 16 2-Fluorophenol (SUR)	112	3.167	3.143	(0.695)	1398531	64.5539	4300
$ 17 Phenol-d5 (SUR)	99	4.165	4.177	(0.915)	1759078	68.1527	4500
* 79 1,4-Dichlorobenzene-d4	152	4.553	4.559	(1.000)	632573	40.0000	
$ 76 Nitrobenzene-d5 (SUR)	82	5.147	5.164	(0.871)	764116	33.6290	2200
* 80 Naphthalene-d8	136	5.910	5.922	(1.000)	2054267	40.0000	
$ 77 2-Fluorobiphenyl (SUR)	172	7.033	7.044	(0.912)	1380324	36.7204	2400
* 82 Acenaphthene-d10	164	7.708	7.714	(1.000)	1099359	40.0000	
$ 18 2,4,6-Tribromophenol (SUR)	330	8.496	8.502	(1.102)	228755	55.7307	3700
* 83 Phenanthrene-d10	188	9.183	9.189	(1.000)	1353386	40.0000	
$ 78 Terphenyl-d14	244	10.764	10.764	(0.902)	914004	50.0355	3300
* 81 Chrysene-d12	240	11.933	11.939	(1.000)	635407	40.0000	
* 84 Perylene-d12	264	13.831	13.831	(1.000)	563267	40.0000	

Data File: p30186.d

Date: 18-MAY-2012 07:46

Client ID: DB-3 20.5-21' Instrument: BNAMS10.i

Sample Info: 460-40258-B-5-A Operator: BNAMS 4



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-40258-1

SDG No.:

Client Sample ID: DB-3 30.5-31' | Lab Sample ID: 460-40258-6

Matrix: Solid | Lab File ID: p30187.d

Analysis Method: 8270C | Date Collected: 05/10/2012 16:55

Extract. Method: 3541 | Date Extracted: 05/17/2012 11:25

Sample wt/vol: 15.01(g) | Date Analyzed: 05/18/2012 08:13

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 13.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 113076 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-94-3	1,2,4,5-Tetrachlorobenzene	51	U	380	51
108-60-1	2,2'-oxybis[1-chloropropane]	42	U	380	42
58-90-2	2,3,4,6-Tetrachlorophenol	50	U	380	50
86-30-6	N-Nitrosodiphenylamine	38	U	380	38
77-47-4	Hexachlorocyclopentadiene	45	U	380	45
105-67-9	2,4-Dimethylphenol	94	U	380	94
606-20-2	2,6-Dinitrotoluene	12	U	77	12
62-53-3	Aniline	110	U	380	110
121-14-2	2,4-Dinitrotoluene	13	U	77	13
117-81-7	Bis(2-ethylhexyl) phthalate	130	U	380	130
65-85-0	Benzoic acid	380	U	380	380
91-58-7	2-Chloronaphthalene	43	U	380	43
85-68-7	Butyl benzyl phthalate	35	U	380	35
95-57-8	2-Chlorophenol	50	U	380	50
84-74-2	Di-n-butyl phthalate	47	U	380	47
120-83-2	2,4-Dichlorophenol	56	U	380	56
84-66-2	Diethyl phthalate	45	U	380	45
51-28-5	2,4-Dinitrophenol	220	U	1200	220
95-48-7	2-Methylphenol	65	U	380	65
131-11-3	Dimethyl phthalate	45	U	380	45
117-84-0	Di-n-octyl phthalate	24	U	380	24
91-94-1	3,3'-Dichlorobenzidine	130	U	770	130
118-74-1	Hexachlorobenzene	5.2	U	38	5.2
78-59-1	Isophorone	46	U	380	46
91-57-6	2-Methylnaphthalene	49	U	380	49
534-52-1	4,6-Dinitro-2-methylphenol	100	U	1200	100
88-74-4	2-Nitroaniline	160	U	770	160
101-55-3	4-Bromophenyl phenyl ether	38	U	380	38
99-09-2	3-Nitroaniline	140	U	770	140
59-50-7	4-Chloro-3-methylphenol	58	U	380	58
98-95-3	Nitrobenzene	5.4	U	38	5.4
88-75-5	2-Nitrophenol	43	U	380	43
7005-72-3	4-Chlorophenyl phenyl ether	45	U	380	45
106-44-5	4-Methylphenol	75	U	380	75

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-40258-1

SDG No.:

Client Sample ID: DB-3 30.5-31' | Lab Sample ID: 460-40258-6

Matrix: Solid | Lab File ID: p30187.d

Analysis Method: 8270C | Date Collected: 05/10/2012 16:55

Extract. Method: 3541 | Date Extracted: 05/17/2012 11:25

Sample wt/vol: 15.01(g) | Date Analyzed: 05/18/2012 08:13

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 13.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 113076 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-02-7	4-Nitrophenol	250	U	1200	250
95-95-4	2,4,5-Trichlorophenol	49	U	380	49
100-01-6	4-Nitroaniline	120	U	770	120
88-06-2	2,4,6-Trichlorophenol	45	U	380	45
106-47-8	4-Chloroaniline	100	U	380	100
83-32-9	Acenaphthene	56	U	380	56
208-96-8	Acenaphthylene	45	U	380	45
98-86-2	Acetophenone	59	U	380	59
120-12-7	Anthracene	46	U	380	46
56-55-3	Benzo[a]anthracene	2.7	U	38	2.7
1912-24-9	Atrazine	59	U	380	59
50-32-8	Benzo[a]pyrene	2.7	U	38	2.7
100-52-7	Benzaldehyde	45	U	380	45
205-99-2	Benzo[b]fluoranthene	2.4	U	38	2.4
191-24-2	Benzo[g,h,i]perylene	28	U	380	28
207-08-9	Benzo[k]fluoranthene	2.9	U	38	2.9
218-01-9	Chrysene	45	U	380	45
53-70-3	Dibenz(a,h)anthracene	4.8	U	38	4.8
206-44-0	Fluoranthene	51	U	380	51
86-73-7	Fluorene	49	U	380	49
111-91-1	Bis(2-chloroethoxy)methane	49	U	380	49
193-39-5	Indeno[1,2,3-cd]pyrene	7.1	U	38	7.1
111-44-4	Bis(2-chloroethyl)ether	5.2	U	38	5.2
85-01-8	Phenanthrene	49	U	380	49
129-00-0	Pyrene	32	U	380	32
105-60-2	Caprolactam	88	U	380	88
86-74-8	Carbazole	45	U	380	45
132-64-9	Dibenzofuran	45	U	380	45
92-52-4	Diphenyl	51	U	380	51
87-68-3	Hexachlorobutadiene	9.3	U	77	9.3
67-72-1	Hexachloroethane	4.2	U	38	4.2
91-20-3	Naphthalene	44	U	380	44
621-64-7	N-Nitrosodi-n-propylamine	6.4	U	38	6.4
87-86-5	Pentachlorophenol	110	U	1200	110

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-40258-1

SDG No.:

Client Sample ID: DB-3 30.5-31' | Lab Sample ID: 460-40258-6

Matrix: Solid | Lab File ID: p30187.d

Analysis Method: 8270C | Date Collected: 05/10/2012 16:55

Extract. Method: 3541 | Date Extracted: 05/17/2012 11:25

Sample wt/vol: 15.01(g) | Date Analyzed: 05/18/2012 08:13

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 13.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 113076 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-95-2	Phenol	51	U	380	51
15831-10-4	3 & 4 Methylphenol	65	U	380	65

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	57		38-105
4165-62-2	Phenol-d5	56		41-118
1718-51-0	Terphenyl-d14	80		16-151
367-12-4	2-Fluorophenol	55		37-125
118-79-6	2,4,6-Tribromophenol	58		10-120
321-60-8	2-Fluorobiphenyl	61		40-109

Data File: /chem/BNAMS10.i/8270/05-16-12/18may12.b/p30187.d
Report Date: 18-May-2012 10:18

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS10.i/8270/05-16-12/18may12.b/p30187.d
Lab Smp Id: 460-40258-B-6-A Client Smp ID: DB-3 30.5-31'
Inj Date : 18-MAY-2012 08:13
Operator : BNAMS 4 Inst ID: BNAMS10.i
Smp Info : 460-40258-B-6-A
Misc Info : 460-40258-B-6-A
Comment   :
Method   : /chem/BNAMS10.i/8270/05-16-12/18may12.b/8270C_11.m
Meth Date : 18-May-2012 03:54 asfawa Quant Type: ISTD
Cal Date : 16-MAY-2012 15:59 Cal File: p30119.d
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * Uf*1000*Vt/(Ws*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.01000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)
$ 16 2-Fluorophenol (SUR)	112	3.155	3.143	(0.693)	880464	55.4808	3700
$ 17 Phenol-d5 (SUR)	99	4.160	4.177	(0.914)	1065211	56.3397	3800
* 79 1,4-Dichlorobenzene-d4	152	4.553	4.559	(1.000)	463372	40.0000	
$ 76 Nitrobenzene-d5 (SUR)	82	5.147	5.164	(0.871)	490568	28.4871	1900
* 80 Naphthalene-d8	136	5.911	5.922	(1.000)	1556909	40.0000	
$ 77 2-Fluorobiphenyl (SUR)	172	7.033	7.044	(0.912)	846995	30.2570	2000
* 82 Acenaphthene-d10	164	7.708	7.714	(1.000)	818692	40.0000	
$ 18 2,4,6-Tribromophenol (SUR)	330	8.496	8.502	(1.102)	176051	57.5946	3800
* 83 Phenanthrene-d10	188	9.183	9.189	(1.000)	1086338	40.0000	
$ 78 Terphenyl-d14	244	10.764	10.764	(0.902)	705624	39.7702	2600
* 81 Chrysene-d12	240	11.927	11.939	(1.000)	617160	40.0000	
* 84 Perylene-d12	264	13.825	13.831	(1.000)	550751	40.0000	

Data File: p30187.d

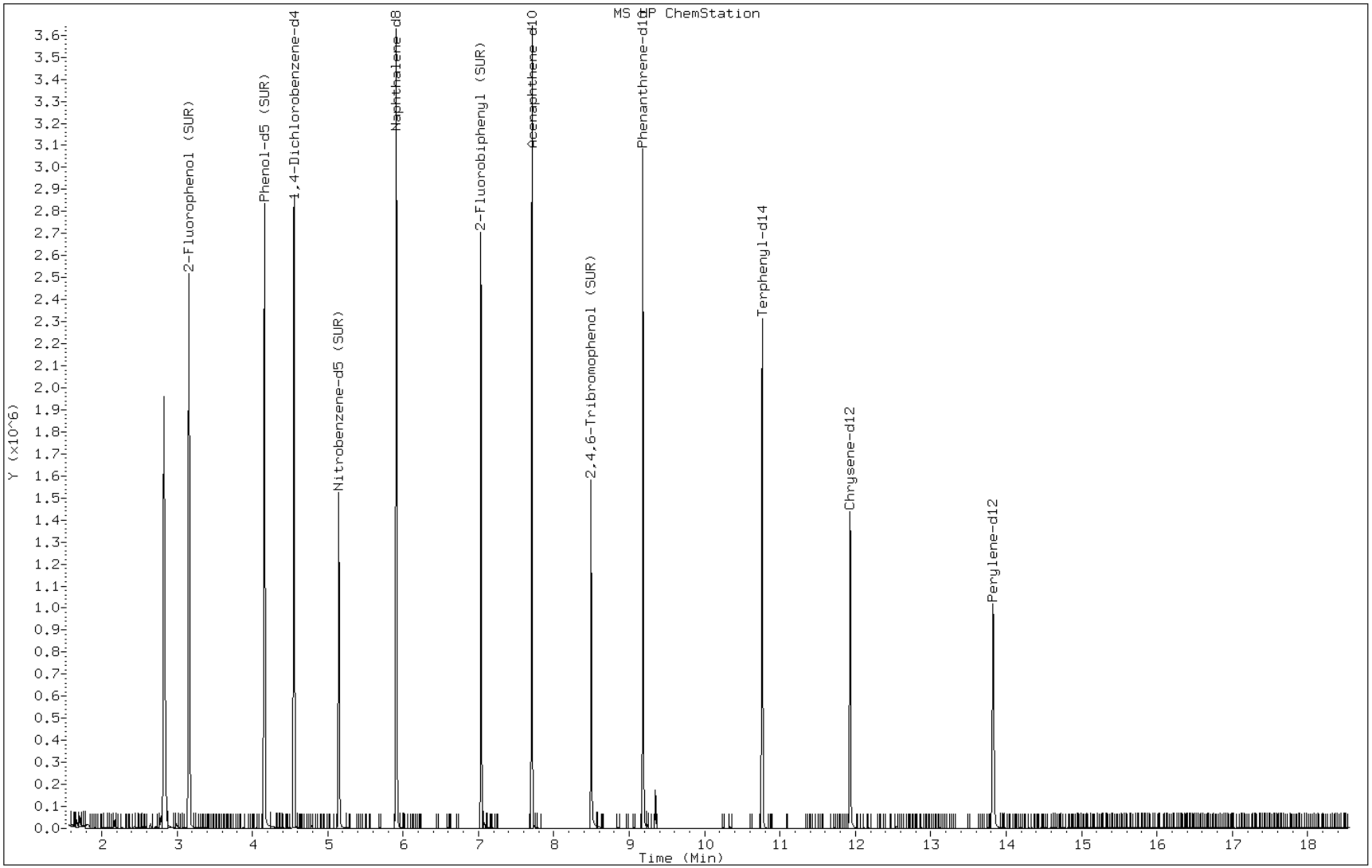
Date: 18-MAY-2012 08:13

Client ID: DB-3 30.5-31'

Instrument: BNAMS10.i

Sample Info: 460-40258-B-6-A

Operator: BNAMS 4



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-40258-1

SDG No.:

Client Sample ID: DB-5 21-21.5' | Lab Sample ID: 460-40258-7

Matrix: Solid | Lab File ID: p30188.d

Analysis Method: 8270C | Date Collected: 05/11/2012 14:35

Extract. Method: 3541 | Date Extracted: 05/17/2012 11:25

Sample wt/vol: 15.02(g) | Date Analyzed: 05/18/2012 08:40

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 15.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 113076 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-94-3	1,2,4,5-Tetrachlorobenzene	53	U	390	53
108-60-1	2,2'-oxybis[1-chloropropane]	43	U	390	43
58-90-2	2,3,4,6-Tetrachlorophenol	51	U	390	51
86-30-6	N-Nitrosodiphenylamine	39	U	390	39
77-47-4	Hexachlorocyclopentadiene	46	U	390	46
105-67-9	2,4-Dimethylphenol	97	U	390	97
606-20-2	2,6-Dinitrotoluene	12	U	80	12
62-53-3	Aniline	110	U	390	110
121-14-2	2,4-Dinitrotoluene	13	U	80	13
117-81-7	Bis(2-ethylhexyl) phthalate	130	U	390	130
65-85-0	Benzoic acid	390	U	390	390
91-58-7	2-Chloronaphthalene	44	U	390	44
85-68-7	Butyl benzyl phthalate	36	U	390	36
95-57-8	2-Chlorophenol	52	U	390	52
84-74-2	Di-n-butyl phthalate	48	U	390	48
120-83-2	2,4-Dichlorophenol	57	U	390	57
84-66-2	Diethyl phthalate	47	U	390	47
51-28-5	2,4-Dinitrophenol	220	U	1200	220
95-48-7	2-Methylphenol	67	U	390	67
131-11-3	Dimethyl phthalate	47	U	390	47
117-84-0	Di-n-octyl phthalate	25	U	390	25
91-94-1	3,3'-Dichlorobenzidine	140	U	800	140
118-74-1	Hexachlorobenzene	5.4	U	39	5.4
78-59-1	Isophorone	48	U	390	48
91-57-6	2-Methylnaphthalene	50	U	390	50
534-52-1	4,6-Dinitro-2-methylphenol	110	U	1200	110
88-74-4	2-Nitroaniline	160	U	800	160
101-55-3	4-Bromophenyl phenyl ether	39	U	390	39
99-09-2	3-Nitroaniline	140	U	800	140
59-50-7	4-Chloro-3-methylphenol	59	U	390	59
98-95-3	Nitrobenzene	5.6	U	39	5.6
88-75-5	2-Nitrophenol	44	U	390	44
7005-72-3	4-Chlorophenyl phenyl ether	46	U	390	46
106-44-5	4-Methylphenol	77	U	390	77

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-40258-1

SDG No.:

Client Sample ID: DB-5 21-21.5' | Lab Sample ID: 460-40258-7

Matrix: Solid | Lab File ID: p30188.d

Analysis Method: 8270C | Date Collected: 05/11/2012 14:35

Extract. Method: 3541 | Date Extracted: 05/17/2012 11:25

Sample wt/vol: 15.02(g) | Date Analyzed: 05/18/2012 08:40

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 15.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 113076 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-02-7	4-Nitrophenol	250	U	1200	250
95-95-4	2,4,5-Trichlorophenol	51	U	390	51
100-01-6	4-Nitroaniline	120	U	800	120
88-06-2	2,4,6-Trichlorophenol	46	U	390	46
106-47-8	4-Chloroaniline	100	U	390	100
83-32-9	Acenaphthene	57	U	390	57
208-96-8	Acenaphthylene	46	U	390	46
98-86-2	Acetophenone	60	U	390	60
120-12-7	Anthracene	48	U	390	48
56-55-3	Benzo[a]anthracene	2.7	U	39	2.7
1912-24-9	Atrazine	61	U	390	61
50-32-8	Benzo[a]pyrene	2.8	U	39	2.8
100-52-7	Benzaldehyde	46	U	390	46
205-99-2	Benzo[b]fluoranthene	2.5	U	39	2.5
191-24-2	Benzo[g,h,i]perylene	29	U	390	29
207-08-9	Benzo[k]fluoranthene	3.0	U	39	3.0
218-01-9	Chrysene	46	U	390	46
53-70-3	Dibenz(a,h)anthracene	4.9	U	39	4.9
206-44-0	Fluoranthene	52	U	390	52
86-73-7	Fluorene	50	U	390	50
111-91-1	Bis(2-chloroethoxy)methane	51	U	390	51
193-39-5	Indeno[1,2,3-cd]pyrene	7.3	U	39	7.3
111-44-4	Bis(2-chloroethyl)ether	5.4	U	39	5.4
85-01-8	Phenanthrene	50	U	390	50
129-00-0	Pyrene	33	U	390	33
105-60-2	Caprolactam	90	U	390	90
86-74-8	Carbazole	46	U	390	46
132-64-9	Dibenzofuran	46	U	390	46
92-52-4	Diphenyl	53	U	390	53
87-68-3	Hexachlorobutadiene	9.6	U	80	9.6
67-72-1	Hexachloroethane	4.4	U	39	4.4
91-20-3	Naphthalene	45	U	390	45
621-64-7	N-Nitrosodi-n-propylamine	6.6	U	39	6.6
87-86-5	Pentachlorophenol	120	U	1200	120

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-40258-1

SDG No.:

Client Sample ID: DB-5 21-21.5' | Lab Sample ID: 460-40258-7

Matrix: Solid | Lab File ID: p30188.d

Analysis Method: 8270C | Date Collected: 05/11/2012 14:35

Extract. Method: 3541 | Date Extracted: 05/17/2012 11:25

Sample wt/vol: 15.02(g) | Date Analyzed: 05/18/2012 08:40

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 15.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 113076 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-95-2	Phenol	53	U	390	53
15831-10-4	3 & 4 Methylphenol	67	U	390	67

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	60		38-105
4165-62-2	Phenol-d5	65		41-118
1718-51-0	Terphenyl-d14	84		16-151
367-12-4	2-Fluorophenol	59		37-125
118-79-6	2,4,6-Tribromophenol	61		10-120
321-60-8	2-Fluorobiphenyl	74		40-109

Data File: /chem/BNAMS10.i/8270/05-16-12/18may12.b/p30188.d
Report Date: 18-May-2012 15:39

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS10.i/8270/05-16-12/18may12.b/p30188.d
Lab Smp Id: 460-40258-C-7-A Client Smp ID: DB-5 21-21.5'
Inj Date : 18-MAY-2012 08:40
Operator : BNAMS 4 Inst ID: BNAMS10.i
Smp Info : 460-40258-C-7-A
Misc Info : 460-40258-C-7-A
Comment   :
Method   : /chem/BNAMS10.i/8270/05-16-12/18may12.b/8270C_11.m
Meth Date : 18-May-2012 03:54 asfawa Quant Type: ISTD
Cal Date : 16-MAY-2012 15:59 Cal File: p30119.d
Als bottle: 13
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * Uf*1000*Vt/(Ws*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.02000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)
$ 16 2-Fluorophenol (SUR)	112	3.178	3.143	(0.698)	1195961	58.9900	3900
$ 17 Phenol-d5 (SUR)	99	4.165	4.177	(0.915)	1562846	64.7032	4300
* 79 1,4-Dichlorobenzene-d4	152	4.553	4.559	(1.000)	591969	40.0000	
$ 76 Nitrobenzene-d5 (SUR)	82	5.147	5.164	(0.871)	635460	30.1529	2000
* 80 Naphthalene-d8	136	5.910	5.922	(1.000)	1905335	40.0000	
$ 77 2-Fluorobiphenyl (SUR)	172	7.033	7.044	(0.912)	1161687	36.8057	2400
* 82 Acenaphthene-d10	164	7.708	7.714	(1.000)	923080	40.0000	
$ 18 2,4,6-Tribromophenol (SUR)	330	8.496	8.502	(1.102)	210516	61.0816	4100
* 83 Phenanthrene-d10	188	9.183	9.189	(1.000)	1048758	40.0000	
$ 78 Terphenyl-d14	244	10.764	10.764	(0.902)	686524	42.2210	2800
* 81 Chrysene-d12	240	11.933	11.939	(1.000)	565599	40.0000	
* 84 Perylene-d12	264	13.831	13.831	(1.000)	511939	40.0000	

Data File: p30188.d

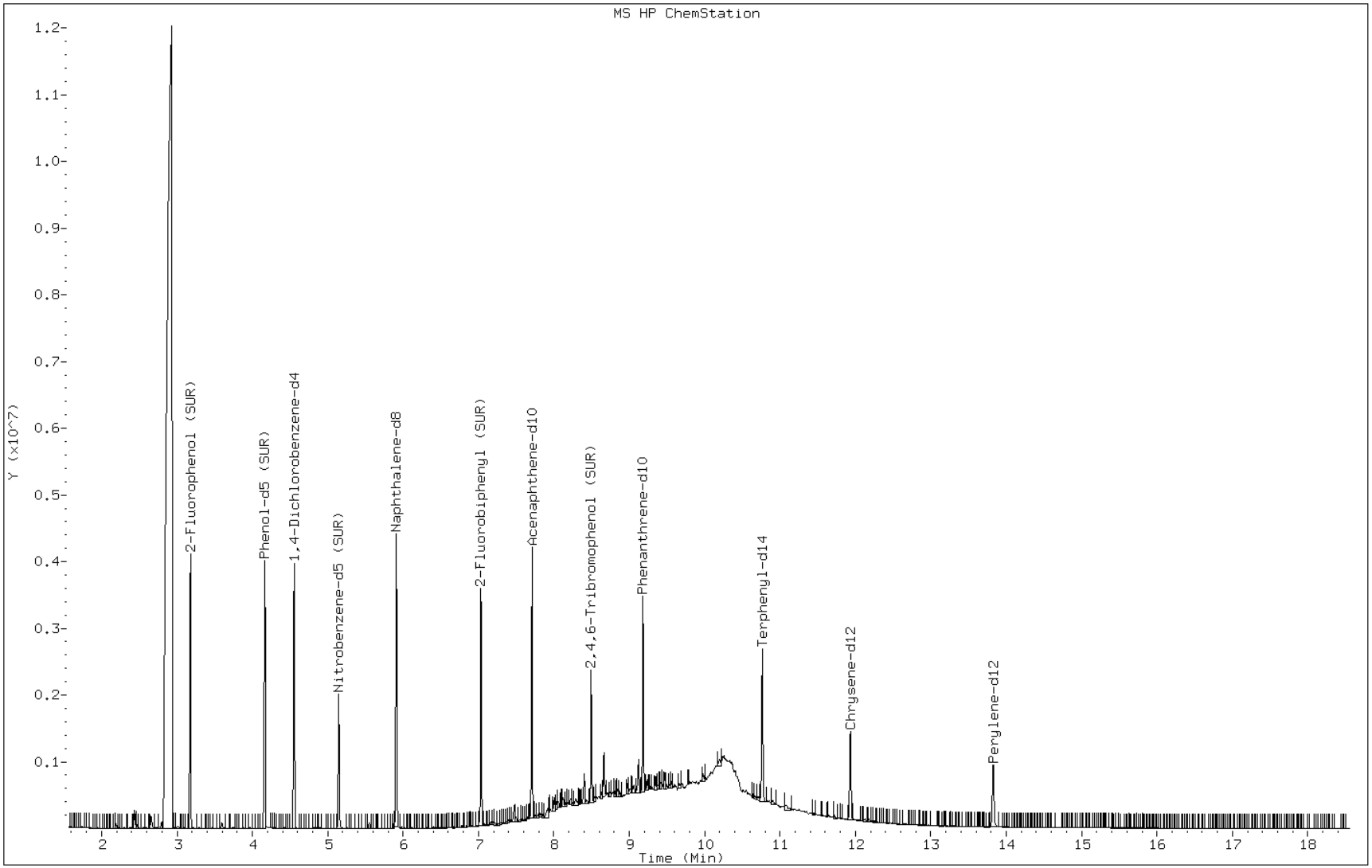
Date: 18-MAY-2012 08:40

Client ID: DB-5 21-21.5'

Instrument: BNAMS10.i

Sample Info: 460-40258-C-7-A

Operator: BNAMS 4



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-40258-1

SDG No.:

Client Sample ID: DB-5 35-35.5' | Lab Sample ID: 460-40258-8

Matrix: Solid | Lab File ID: p30189.d

Analysis Method: 8270C | Date Collected: 05/11/2012 14:50

Extract. Method: 3541 | Date Extracted: 05/17/2012 11:25

Sample wt/vol: 15.00(g) | Date Analyzed: 05/18/2012 09:07

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 19.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 113076 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-94-3	1,2,4,5-Tetrachlorobenzene	55	U	410	55
108-60-1	2,2'-oxybis[1-chloropropane]	45	U	410	45
58-90-2	2,3,4,6-Tetrachlorophenol	53	U	410	53
86-30-6	N-Nitrosodiphenylamine	40	U	410	40
77-47-4	Hexachlorocyclopentadiene	48	U	410	48
105-67-9	2,4-Dimethylphenol	100	U	410	100
606-20-2	2,6-Dinitrotoluene	12	U	83	12
62-53-3	Aniline	120	U	410	120
121-14-2	2,4-Dinitrotoluene	14	U	83	14
117-81-7	Bis(2-ethylhexyl) phthalate	140	U	410	140
65-85-0	Benzoic acid	410	U	410	410
91-58-7	2-Chloronaphthalene	46	U	410	46
85-68-7	Butyl benzyl phthalate	38	U	410	38
95-57-8	2-Chlorophenol	54	U	410	54
84-74-2	Di-n-butyl phthalate	51	U	410	51
120-83-2	2,4-Dichlorophenol	60	U	410	60
84-66-2	Diethyl phthalate	49	U	410	49
51-28-5	2,4-Dinitrophenol	230	U	1200	230
95-48-7	2-Methylphenol	70	U	410	70
131-11-3	Dimethyl phthalate	49	U	410	49
117-84-0	Di-n-octyl phthalate	26	U	410	26
91-94-1	3,3'-Dichlorobenzidine	140	U	830	140
118-74-1	Hexachlorobenzene	5.6	U	41	5.6
78-59-1	Isophorone	50	U	410	50
91-57-6	2-Methylnaphthalene	53	U	410	53
534-52-1	4,6-Dinitro-2-methylphenol	110	U	1200	110
88-74-4	2-Nitroaniline	170	U	830	170
101-55-3	4-Bromophenyl phenyl ether	41	U	410	41
99-09-2	3-Nitroaniline	150	U	830	150
59-50-7	4-Chloro-3-methylphenol	62	U	410	62
98-95-3	Nitrobenzene	5.8	U	41	5.8
88-75-5	2-Nitrophenol	46	U	410	46
7005-72-3	4-Chlorophenyl phenyl ether	48	U	410	48
106-44-5	4-Methylphenol	81	U	410	81

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-40258-1

SDG No.:

Client Sample ID: DB-5 35-35.5' | Lab Sample ID: 460-40258-8

Matrix: Solid | Lab File ID: p30189.d

Analysis Method: 8270C | Date Collected: 05/11/2012 14:50

Extract. Method: 3541 | Date Extracted: 05/17/2012 11:25

Sample wt/vol: 15.00(g) | Date Analyzed: 05/18/2012 09:07

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 19.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 113076 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-02-7	4-Nitrophenol	260	U	1200	260
95-95-4	2,4,5-Trichlorophenol	53	U	410	53
100-01-6	4-Nitroaniline	130	U	830	130
88-06-2	2,4,6-Trichlorophenol	48	U	410	48
106-47-8	4-Chloroaniline	110	U	410	110
83-32-9	Acenaphthene	60	U	410	60
208-96-8	Acenaphthylene	49	U	410	49
98-86-2	Acetophenone	63	U	410	63
120-12-7	Anthracene	50	U	410	50
56-55-3	Benzo[a]anthracene	2.9	U	41	2.9
1912-24-9	Atrazine	63	U	410	63
50-32-8	Benzo[a]pyrene	2.9	U	41	2.9
100-52-7	Benzaldehyde	48	U	410	48
205-99-2	Benzo[b]fluoranthene	2.6	U	41	2.6
191-24-2	Benzo[g,h,i]perylene	30	U	410	30
207-08-9	Benzo[k]fluoranthene	3.1	U	41	3.1
218-01-9	Chrysene	48	U	410	48
53-70-3	Dibenz(a,h)anthracene	5.2	U	41	5.2
206-44-0	Fluoranthene	55	U	410	55
86-73-7	Fluorene	53	U	410	53
111-91-1	Bis(2-chloroethoxy)methane	53	U	410	53
193-39-5	Indeno[1,2,3-cd]pyrene	7.6	U	41	7.6
111-44-4	Bis(2-chloroethyl)ether	5.6	U	41	5.6
85-01-8	Phenanthrene	52	U	410	52
129-00-0	Pyrene	34	U	410	34
105-60-2	Caprolactam	95	U	410	95
86-74-8	Carbazole	49	U	410	49
132-64-9	Dibenzofuran	48	U	410	48
92-52-4	Diphenyl	55	U	410	55
87-68-3	Hexachlorobutadiene	10	U	83	10
67-72-1	Hexachloroethane	4.6	U	41	4.6
91-20-3	Naphthalene	48	U	410	48
621-64-7	N-Nitrosodi-n-propylamine	6.9	U	41	6.9
87-86-5	Pentachlorophenol	120	U	1200	120

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Client Sample ID: DB-5 35-35.5' Lab Sample ID: 460-40258-8

Matrix: Solid Lab File ID: p30189.d

Analysis Method: 8270C Date Collected: 05/11/2012 14:50

Extract. Method: 3541 Date Extracted: 05/17/2012 11:25

Sample wt/vol: 15.00(g) Date Analyzed: 05/18/2012 09:07

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: 19.5 GPC Cleanup:(Y/N) N

Analysis Batch No.: 113076 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-95-2	Phenol	55	U	410	55
15831-10-4	3 & 4 Methylphenol	70	U	410	70

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	65		38-105
4165-62-2	Phenol-d5	62		41-118
1718-51-0	Terphenyl-d14	85		16-151
367-12-4	2-Fluorophenol	61		37-125
118-79-6	2,4,6-Tribromophenol	60		10-120
321-60-8	2-Fluorobiphenyl	68		40-109

Data File: /chem/BNAMS10.i/8270/05-16-12/18may12.b/p30189.d
Report Date: 18-May-2012 10:18

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS10.i/8270/05-16-12/18may12.b/p30189.d
Lab Smp Id: 460-40258-C-8-A Client Smp ID: DB-5 35-35.5'
Inj Date : 18-MAY-2012 09:07
Operator : BNAMS 4 Inst ID: BNAMS10.i
Smp Info : 460-40258-C-8-A
Misc Info : 460-40258-C-8-A
Comment   :
Method   : /chem/BNAMS10.i/8270/05-16-12/18may12.b/8270C_11.m
Meth Date : 18-May-2012 03:54 asfawa Quant Type: ISTD
Cal Date : 16-MAY-2012 15:59 Cal File: p30119.d
Als bottle: 14
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * Uf*1000*Vt/(Ws*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)
$ 16 2-Fluorophenol (SUR)	112	3.161	3.143	(0.694)	1214153	60.9463	4100
$ 17 Phenol-d5 (SUR)	99	4.165	4.177	(0.915)	1480617	62.3827	4200
* 79 1,4-Dichlorobenzene-d4	152	4.553	4.559	(1.000)	581684	40.0000	
$ 76 Nitrobenzene-d5 (SUR)	82	5.147	5.164	(0.871)	692539	32.6442	2200
* 80 Naphthalene-d8	136	5.911	5.922	(1.000)	1918006	40.0000	
120 1-Methylnaphthalene	142	6.751	6.762	(1.142)	2488	0.07574	5.0(a)
$ 77 2-Fluorobiphenyl (SUR)	172	7.033	7.044	(0.912)	1183494	33.9870	2300
* 82 Acenaphthene-d10	164	7.708	7.714	(1.000)	1018400	40.0000	
$ 18 2,4,6-Tribromophenol (SUR)	330	8.496	8.502	(1.102)	226910	59.6759	4000
* 83 Phenanthrene-d10	188	9.183	9.189	(1.000)	1281235	40.0000	
52 Phenanthrene	178	9.201	9.213	(1.002)	6991	0.20227	13(a)
$ 78 Terphenyl-d14	244	10.764	10.764	(0.902)	882648	42.6216	2800
* 81 Chrysene-d12	240	11.927	11.939	(1.000)	720343	40.0000	

Data File: /chem/BNAMS10.i/8270/05-16-12/18may12.b/p30189.d
Report Date: 18-May-2012 10:18

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
* 84 Perylene-d12	264	13.825	13.831	(1.000)	575698	40.0000	

QC Flag Legend

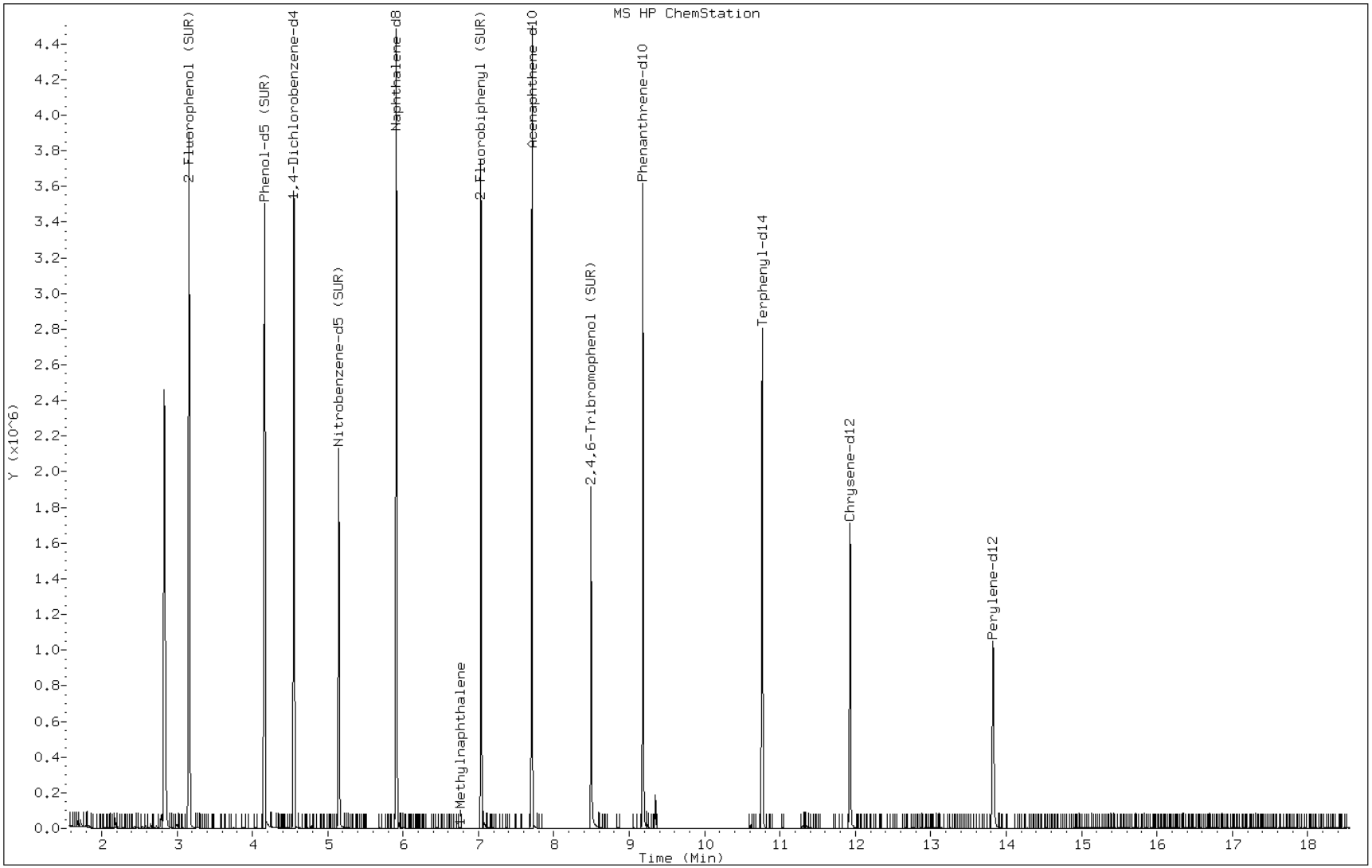
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: p30189.d

Date: 18-MAY-2012 09:07

Client ID: DB-5 35-35.5' Instrument: BNAMS10.i

Sample Info: 460-40258-C-8-A Operator: BNAMS 4



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-40258-1

SDG No.:

Client Sample ID: DB-5 49.5-50' | Lab Sample ID: 460-40258-9

Matrix: Solid | Lab File ID: p30190.d

Analysis Method: 8270C | Date Collected: 05/11/2012 16:05

Extract. Method: 3541 | Date Extracted: 05/17/2012 11:25

Sample wt/vol: 15.03(g) | Date Analyzed: 05/18/2012 09:34

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 9.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 113076 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-94-3	1,2,4,5-Tetrachlorobenzene	49	U	370	49
108-60-1	2,2'-oxybis[1-chloropropane]	41	U	370	41
58-90-2	2,3,4,6-Tetrachlorophenol	48	U	370	48
86-30-6	N-Nitrosodiphenylamine	36	U	370	36
77-47-4	Hexachlorocyclopentadiene	43	U	370	43
105-67-9	2,4-Dimethylphenol	90	U	370	90
606-20-2	2,6-Dinitrotoluene	11	U	74	11
62-53-3	Aniline	110	U	370	110
121-14-2	2,4-Dinitrotoluene	12	U	74	12
117-81-7	Bis(2-ethylhexyl) phthalate	120	U	370	120
65-85-0	Benzoic acid	370	U	370	370
91-58-7	2-Chloronaphthalene	41	U	370	41
85-68-7	Butyl benzyl phthalate	34	U	370	34
95-57-8	2-Chlorophenol	48	U	370	48
84-74-2	Di-n-butyl phthalate	45	U	370	45
120-83-2	2,4-Dichlorophenol	54	U	370	54
84-66-2	Diethyl phthalate	44	U	370	44
51-28-5	2,4-Dinitrophenol	210	U	1100	210
95-48-7	2-Methylphenol	62	U	370	62
131-11-3	Dimethyl phthalate	43	U	370	43
117-84-0	Di-n-octyl phthalate	23	U	370	23
91-94-1	3,3'-Dichlorobenzidine	130	U	740	130
118-74-1	Hexachlorobenzene	5.0	U	37	5.0
78-59-1	Isophorone	44	U	370	44
91-57-6	2-Methylnaphthalene	47	U	370	47
534-52-1	4,6-Dinitro-2-methylphenol	100	U	1100	100
88-74-4	2-Nitroaniline	150	U	740	150
101-55-3	4-Bromophenyl phenyl ether	36	U	370	36
99-09-2	3-Nitroaniline	130	U	740	130
59-50-7	4-Chloro-3-methylphenol	55	U	370	55
98-95-3	Nitrobenzene	5.2	U	37	5.2
88-75-5	2-Nitrophenol	41	U	370	41
7005-72-3	4-Chlorophenyl phenyl ether	43	U	370	43
106-44-5	4-Methylphenol	72	U	370	72

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-40258-1

SDG No.:

Client Sample ID: DB-5 49.5-50' | Lab Sample ID: 460-40258-9

Matrix: Solid | Lab File ID: p30190.d

Analysis Method: 8270C | Date Collected: 05/11/2012 16:05

Extract. Method: 3541 | Date Extracted: 05/17/2012 11:25

Sample wt/vol: 15.03(g) | Date Analyzed: 05/18/2012 09:34

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 9.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 113076 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-02-7	4-Nitrophenol	240	U	1100	240
95-95-4	2,4,5-Trichlorophenol	47	U	370	47
100-01-6	4-Nitroaniline	110	U	740	110
88-06-2	2,4,6-Trichlorophenol	43	U	370	43
106-47-8	4-Chloroaniline	97	U	370	97
83-32-9	Acenaphthene	53	U	370	53
208-96-8	Acenaphthylene	43	U	370	43
98-86-2	Acetophenone	56	U	370	56
120-12-7	Anthracene	44	U	370	44
56-55-3	Benzo[a]anthracene	2.6	U	37	2.6
1912-24-9	Atrazine	57	U	370	57
50-32-8	Benzo[a]pyrene	2.6	U	37	2.6
100-52-7	Benzaldehyde	43	U	370	43
205-99-2	Benzo[b]fluoranthene	2.3	U	37	2.3
191-24-2	Benzo[g,h,i]perylene	27	U	370	27
207-08-9	Benzo[k]fluoranthene	2.8	U	37	2.8
218-01-9	Chrysene	43	U	370	43
53-70-3	Dibenz(a,h)anthracene	4.6	U	37	4.6
206-44-0	Fluoranthene	49	U	370	49
86-73-7	Fluorene	47	U	370	47
111-91-1	Bis(2-chloroethoxy)methane	47	U	370	47
193-39-5	Indeno[1,2,3-cd]pyrene	6.8	U	37	6.8
111-44-4	Bis(2-chloroethyl)ether	5.0	U	37	5.0
85-01-8	Phenanthrene	47	U	370	47
129-00-0	Pyrene	31	U	370	31
105-60-2	Caprolactam	84	U	370	84
86-74-8	Carbazole	43	U	370	43
132-64-9	Dibenzofuran	43	U	370	43
92-52-4	Diphenyl	49	U	370	49
87-68-3	Hexachlorobutadiene	8.9	U	74	8.9
67-72-1	Hexachloroethane	4.1	U	37	4.1
91-20-3	Naphthalene	42	U	370	42
621-64-7	N-Nitrosodi-n-propylamine	6.1	U	37	6.1
87-86-5	Pentachlorophenol	110	U	1100	110

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Client Sample ID: DB-5 49.5-50' Lab Sample ID: 460-40258-9

Matrix: Solid Lab File ID: p30190.d

Analysis Method: 8270C Date Collected: 05/11/2012 16:05

Extract. Method: 3541 Date Extracted: 05/17/2012 11:25

Sample wt/vol: 15.03(g) Date Analyzed: 05/18/2012 09:34

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: 9.8 GPC Cleanup:(Y/N) N

Analysis Batch No.: 113076 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-95-2	Phenol	49	U	370	49
15831-10-4	3 & 4 Methylphenol	62	U	370	62

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	58		38-105
4165-62-2	Phenol-d5	64		41-118
1718-51-0	Terphenyl-d14	92		16-151
367-12-4	2-Fluorophenol	58		37-125
118-79-6	2,4,6-Tribromophenol	58		10-120
321-60-8	2-Fluorobiphenyl	64		40-109

Data File: /chem/BNAMS10.i/8270/05-16-12/18may12.b/p30190.d
Report Date: 18-May-2012 10:17

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS10.i/8270/05-16-12/18may12.b/p30190.d
Lab Smp Id: 460-40258-C-9-A Client Smp ID: DB-5 49.5-50'
Inj Date : 18-MAY-2012 09:34
Operator : BNAMS 4 Inst ID: BNAMS10.i
Smp Info : 460-40258-C-9-A
Misc Info : 460-40258-C-9-A
Comment   :
Method   : /chem/BNAMS10.i/8270/05-16-12/18may12.b/8270C_11.m
Meth Date : 18-May-2012 03:54 asfawa Quant Type: ISTD
Cal Date : 16-MAY-2012 15:59 Cal File: p30119.d
Als bottle: 15
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * Uf*1000*Vt/(Ws*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.03000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

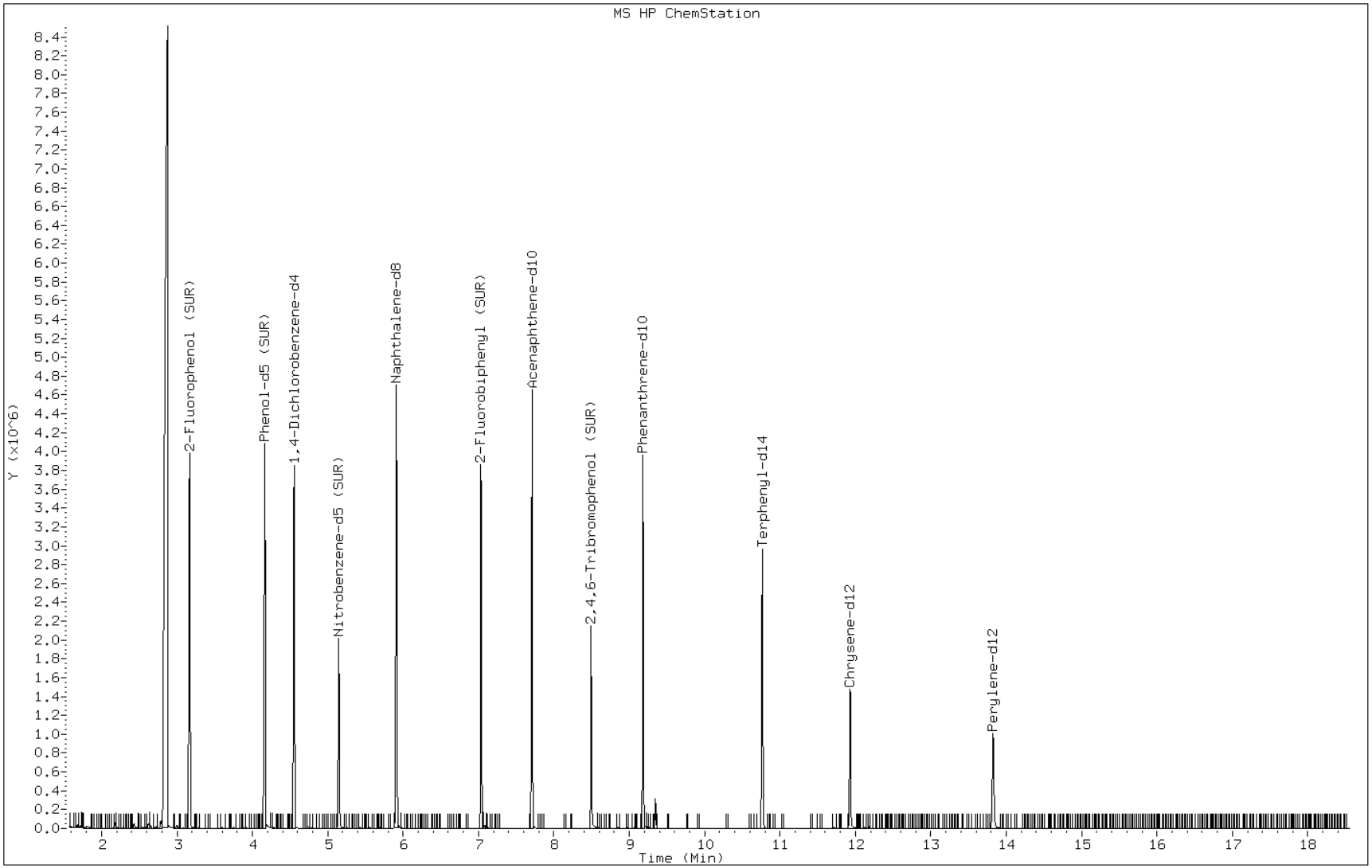
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)
$ 16 2-Fluorophenol (SUR)	112	3.167	3.143	(0.695)	1191934	57.8943	3800
$ 17 Phenol-d5 (SUR)	99	4.165	4.177	(0.915)	1581793	64.4884	4300
* 79 1,4-Dichlorobenzene-d4	152	4.553	4.559	(1.000)	601142	40.0000	
$ 76 Nitrobenzene-d5 (SUR)	82	5.147	5.164	(0.871)	651025	29.0286	1900
* 80 Naphthalene-d8	136	5.910	5.922	(1.000)	2027608	40.0000	
$ 77 2-Fluorobiphenyl (SUR)	172	7.033	7.044	(0.912)	1220872	31.9937	2100
* 82 Acenaphthene-d10	164	7.708	7.714	(1.000)	1116018	40.0000	
$ 18 2,4,6-Tribromophenol (SUR)	330	8.496	8.502	(1.102)	239699	57.5253	3800
* 83 Phenanthrene-d10	188	9.183	9.189	(1.000)	1387399	40.0000	
$ 78 Terphenyl-d14	244	10.764	10.764	(0.902)	863003	45.8176	3000
* 81 Chrysene-d12	240	11.933	11.939	(1.000)	655182	40.0000	
* 84 Perylene-d12	264	13.825	13.831	(1.000)	543659	40.0000	

Data File: p30190.d

Date: 18-MAY-2012 09:34

Client ID: DB-5 49.5-50' Instrument: BNAMS10.i

Sample Info: 460-40258-C-9-A Operator: BNAMS 4



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-40258-1

SDG No.:

Client Sample ID: DB-6 15-15.5' | Lab Sample ID: 460-40258-10

Matrix: Solid | Lab File ID: p30193.d

Analysis Method: 8270C | Date Collected: 05/11/2012 10:15

Extract. Method: 3541 | Date Extracted: 05/17/2012 11:25

Sample wt/vol: 15.02(g) | Date Analyzed: 05/18/2012 10:55

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.: 113076 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-94-3	1,2,4,5-Tetrachlorobenzene	56	U	420	56
108-60-1	2,2'-oxybis[1-chloropropane]	46	U	420	46
58-90-2	2,3,4,6-Tetrachlorophenol	54	U	420	54
86-30-6	N-Nitrosodiphenylamine	41	U	420	41
77-47-4	Hexachlorocyclopentadiene	49	U	420	49
105-67-9	2,4-Dimethylphenol	100	U	420	100
606-20-2	2,6-Dinitrotoluene	13	U	85	13
62-53-3	Aniline	120	U	420	120
121-14-2	2,4-Dinitrotoluene	14	U	85	14
117-81-7	Bis(2-ethylhexyl) phthalate	140	U	420	140
65-85-0	Benzoic acid	420	U	420	420
91-58-7	2-Chloronaphthalene	47	U	420	47
85-68-7	Butyl benzyl phthalate	38	U	420	38
95-57-8	2-Chlorophenol	55	U	420	55
84-74-2	Di-n-butyl phthalate	52	U	420	52
120-83-2	2,4-Dichlorophenol	61	U	420	61
84-66-2	Diethyl phthalate	50	U	420	50
51-28-5	2,4-Dinitrophenol	240	U	1300	240
95-48-7	2-Methylphenol	71	U	420	71
131-11-3	Dimethyl phthalate	50	U	420	50
117-84-0	Di-n-octyl phthalate	27	U	420	27
91-94-1	3,3'-Dichlorobenzidine	150	U	850	150
118-74-1	Hexachlorobenzene	5.7	U	42	5.7
78-59-1	Isophorone	51	U	420	51
91-57-6	2-Methylnaphthalene	54	U	420	54
534-52-1	4,6-Dinitro-2-methylphenol	110	U	1300	110
88-74-4	2-Nitroaniline	170	U	850	170
101-55-3	4-Bromophenyl phenyl ether	42	U	420	42
99-09-2	3-Nitroaniline	150	U	850	150
59-50-7	4-Chloro-3-methylphenol	63	U	420	63
98-95-3	Nitrobenzene	5.9	U	42	5.9
88-75-5	2-Nitrophenol	47	U	420	47
7005-72-3	4-Chlorophenyl phenyl ether	49	U	420	49
106-44-5	4-Methylphenol	82	U	420	82

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-40258-1

SDG No.:

Client Sample ID: DB-6 15-15.5' | Lab Sample ID: 460-40258-10

Matrix: Solid | Lab File ID: p30193.d

Analysis Method: 8270C | Date Collected: 05/11/2012 10:15

Extract. Method: 3541 | Date Extracted: 05/17/2012 11:25

Sample wt/vol: 15.02(g) | Date Analyzed: 05/18/2012 10:55

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.: 113076 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-02-7	4-Nitrophenol	270	U	1300	270
95-95-4	2,4,5-Trichlorophenol	54	U	420	54
100-01-6	4-Nitroaniline	130	U	850	130
88-06-2	2,4,6-Trichlorophenol	49	U	420	49
106-47-8	4-Chloroaniline	110	U	420	110
83-32-9	Acenaphthene	61	U	420	61
208-96-8	Acenaphthylene	49	U	420	49
98-86-2	Acetophenone	64	U	420	64
120-12-7	Anthracene	51	U	420	51
56-55-3	Benzo[a]anthracene	70		42	2.9
1912-24-9	Atrazine	65	U	420	65
50-32-8	Benzo[a]pyrene	110		42	3.0
100-52-7	Benzaldehyde	49	U	420	49
205-99-2	Benzo[b]fluoranthene	69		42	2.6
191-24-2	Benzo[g,h,i]perylene	74	J	420	31
207-08-9	Benzo[k]fluoranthene	3.2	U	42	3.2
218-01-9	Chrysene	66	J	420	49
53-70-3	Dibenz(a,h)anthracene	5.3	U	42	5.3
206-44-0	Fluoranthene	56	U	420	56
86-73-7	Fluorene	54	U	420	54
111-91-1	Bis(2-chloroethoxy)methane	54	U	420	54
193-39-5	Indeno[1,2,3-cd]pyrene	51		42	7.8
111-44-4	Bis(2-chloroethyl)ether	5.7	U	42	5.7
85-01-8	Phenanthrene	53	U	420	53
129-00-0	Pyrene	110	J	420	35
105-60-2	Caprolactam	96	U	420	96
86-74-8	Carbazole	49	U	420	49
132-64-9	Dibenzofuran	49	U	420	49
92-52-4	Diphenyl	56	U	420	56
87-68-3	Hexachlorobutadiene	10	U	85	10
67-72-1	Hexachloroethane	4.7	U	42	4.7
91-20-3	Naphthalene	48	U	420	48
621-64-7	N-Nitrosodi-n-propylamine	7.0	U	42	7.0
87-86-5	Pentachlorophenol	120	U	1300	120

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-40258-1

SDG No.:

Client Sample ID: DB-6 15-15.5' | Lab Sample ID: 460-40258-10

Matrix: Solid | Lab File ID: p30193.d

Analysis Method: 8270C | Date Collected: 05/11/2012 10:15

Extract. Method: 3541 | Date Extracted: 05/17/2012 11:25

Sample wt/vol: 15.02(g) | Date Analyzed: 05/18/2012 10:55

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.: 113076 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-95-2	Phenol	56	U	420	56
15831-10-4	3 & 4 Methylphenol	71	U	420	71

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	69		38-105
4165-62-2	Phenol-d5	69		41-118
1718-51-0	Terphenyl-d14	88		16-151
367-12-4	2-Fluorophenol	66		37-125
118-79-6	2,4,6-Tribromophenol	66		10-120
321-60-8	2-Fluorobiphenyl	82		40-109

Data File: /chem/BNAMS10.i/8270/05-16-12/18may12.b/p30193.d
Report Date: 21-May-2012 12:36

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS10.i/8270/05-16-12/18may12.b/p30193.d
Lab Smp Id: 460-40258-C-10-A Client Smp ID: DB-6 15-15.5'
Inj Date : 18-MAY-2012 10:55
Operator : BNAMS 4 Inst ID: BNAMS10.i
Smp Info : 460-40258-C-10-A
Misc Info : 460-40258-C-10-A
Comment   :
Method   : /chem/BNAMS10.i/8270/05-16-12/18may12.b/8270C_11.m
Meth Date : 18-May-2012 03:54 asfawa Quant Type: ISTD
Cal Date : 16-MAY-2012 15:59 Cal File: p30119.d
Als bottle: 18
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * Uf*1000*Vt/(Ws*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.02000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
$ 16 2-Fluorophenol (SUR)	112	3.167	3.143	(0.696)	1375568	66.2406	4400
$ 17 Phenol-d5 (SUR)	99	4.165	4.177	(0.916)	1704092	68.8785	4600
* 79 1,4-Dichlorobenzene-d4	152	4.547	4.559	(1.000)	606343	40.0000	
$ 76 Nitrobenzene-d5 (SUR)	82	5.147	5.164	(0.871)	749345	34.6920	2300
* 80 Naphthalene-d8	136	5.911	5.922	(1.000)	1952833	40.0000	
31 Naphthalene	128	5.928	5.940	(1.003)	10441	0.16108	11(a)
34 2-Methylnaphthalene	142	6.657	6.663	(1.126)	3820	0.11684	7.8(a)
$ 77 2-Fluorobiphenyl (SUR)	172	7.033	7.044	(0.912)	1281979	41.0550	2700
* 82 Acenaphthene-d10	164	7.708	7.714	(1.000)	913231	40.0000	
42 Acenaphthene	154	7.738	7.750	(1.004)	13674	0.57929	38(a)
$ 18 2,4,6-Tribromophenol (SUR)	330	8.496	8.502	(1.102)	225427	66.1133	4400
* 83 Phenanthrene-d10	188	9.183	9.189	(1.000)	1026662	40.0000	
52 Phenanthrene	178	9.207	9.213	(1.003)	11200	0.40439	27(a)

Data File: /chem/BNAMS10.i/8270/05-16-12/18may12.b/p30193.d
Report Date: 21-May-2012 12:36

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
	53 Anthracene	178	9.254	9.260	(1.008)	6945	0.24874	16(aH)
	56 Fluoranthene	202	10.382	10.382	(1.131)	9252	0.39821	26(a)
	57 Pyrene	202	10.599	10.605	(0.888)	32817	1.35651	90(a)
$	78 Terphenyl-d14	244	10.764	10.764	(0.902)	714108	43.9632	2900
	61 Benzo(a)anthracene	228	11.921	11.921	(0.999)	14074	0.83483	56(H)
*	81 Chrysene-d12	240	11.933	11.939	(1.000)	565010	40.0000	
	62 Chrysene	228	11.962	11.968	(1.002)	12003	0.78586	52(a)
	65 Benzo(b)fluoranthene	252	13.308	13.314	(0.962)	14218	0.81477	54(M)
	67 Benzo(a)pyrene	252	13.743	13.754	(0.994)	17547	1.25425	84
*	84 Perylene-d12	264	13.831	13.831	(1.000)	532439	40.0000	
	68 Indeno(1,2,3-cd)pyrene	276	15.306	15.317	(1.107)	7684	0.60770	40
	70 Benzo(g,h,i)perylene	276	15.699	15.717	(1.135)	11390	0.87596	58(a)

QC Flag Legend

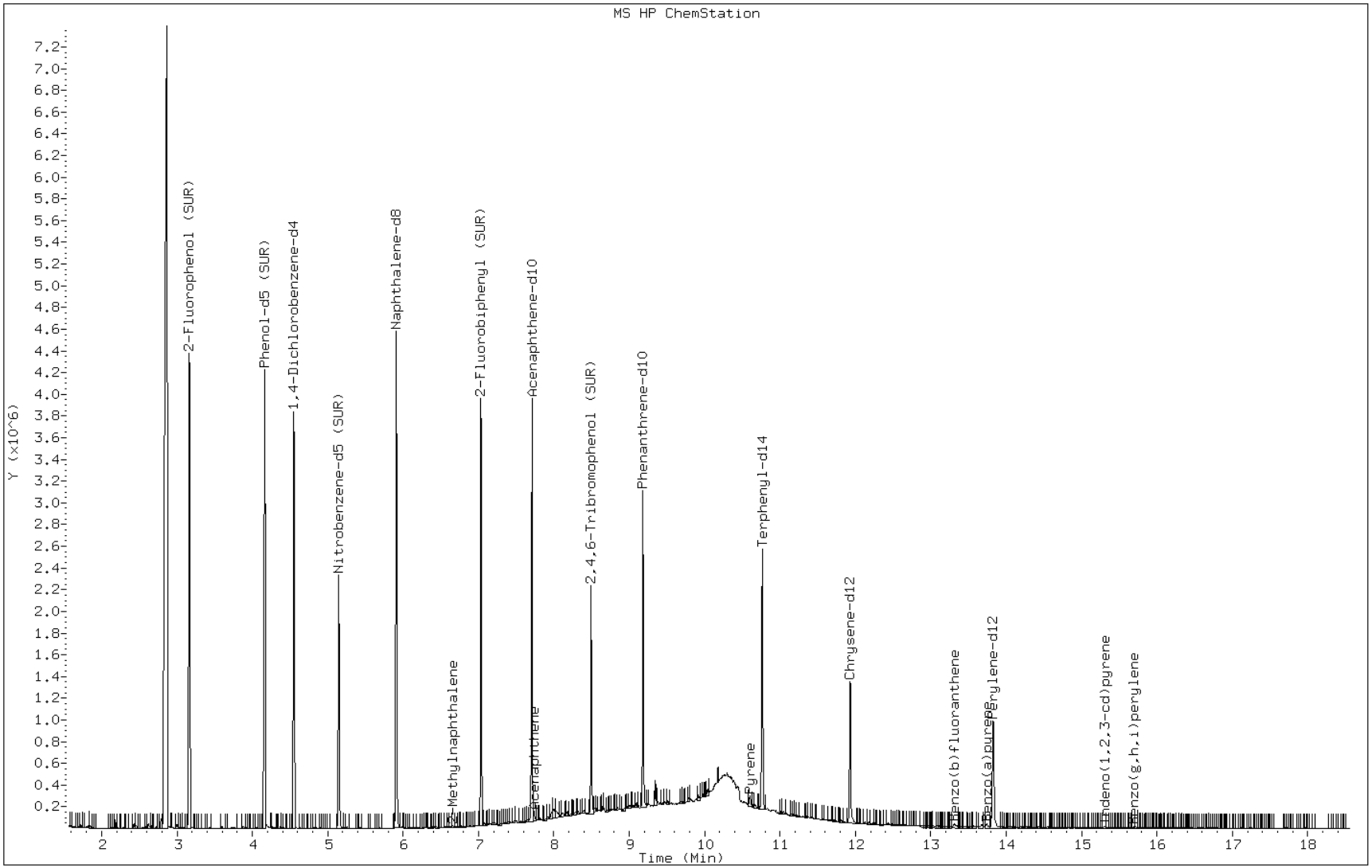
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: p30193.d

Date: 18-MAY-2012 10:55

Client ID: DB-6 15-15.5' Instrument: BNAMS10.i

Sample Info: 460-40258-C-10-A Operator: BNAMS 4



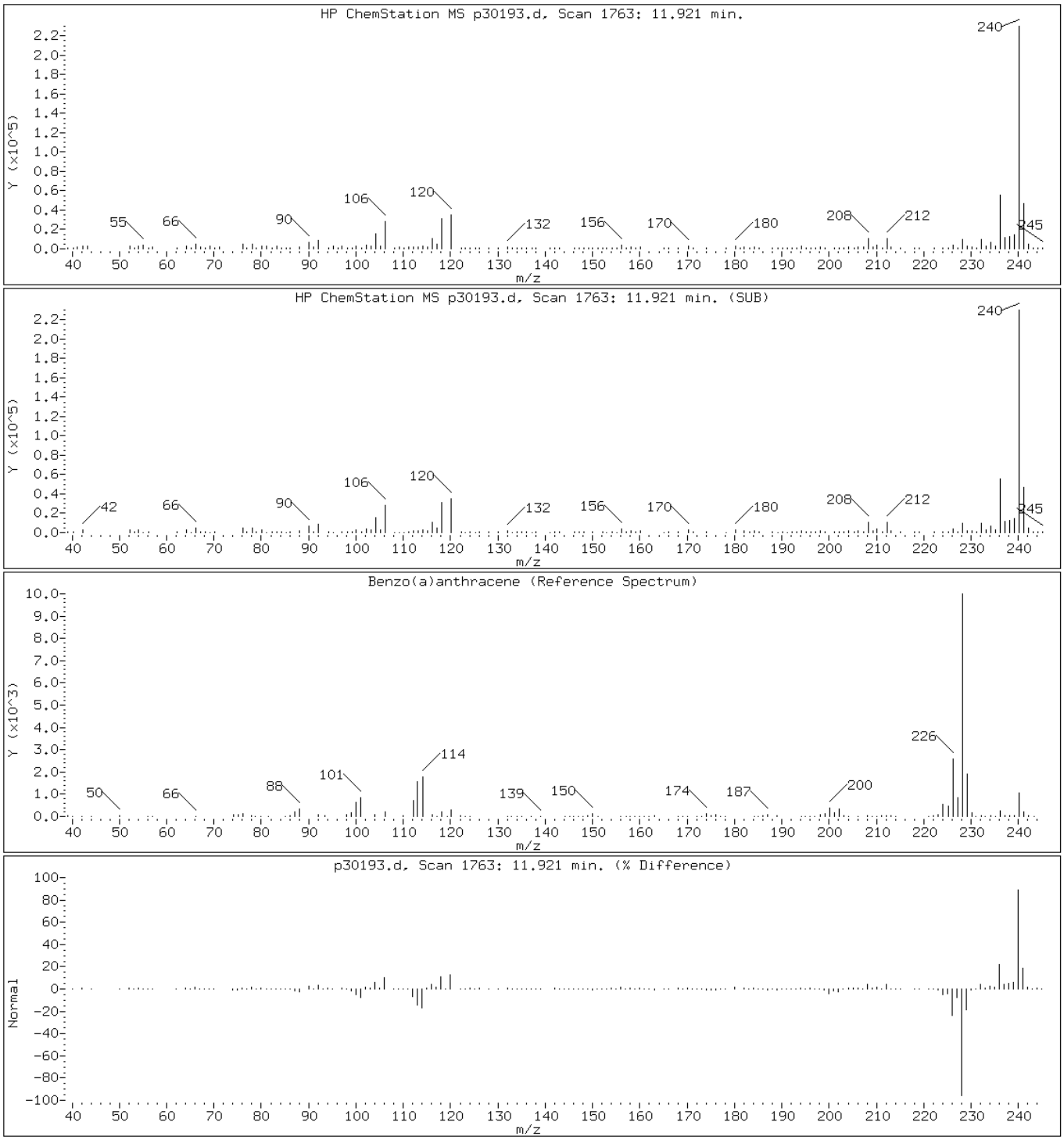
Data File: p30193.d

Date: 18-MAY-2012 10:55

Client ID: DB-6 15-15.5' Instrument: BNAMS10.i

Sample Info: 460-40258-C-10-A Operator: BNAMS 4

61 Benzo(a)anthracene



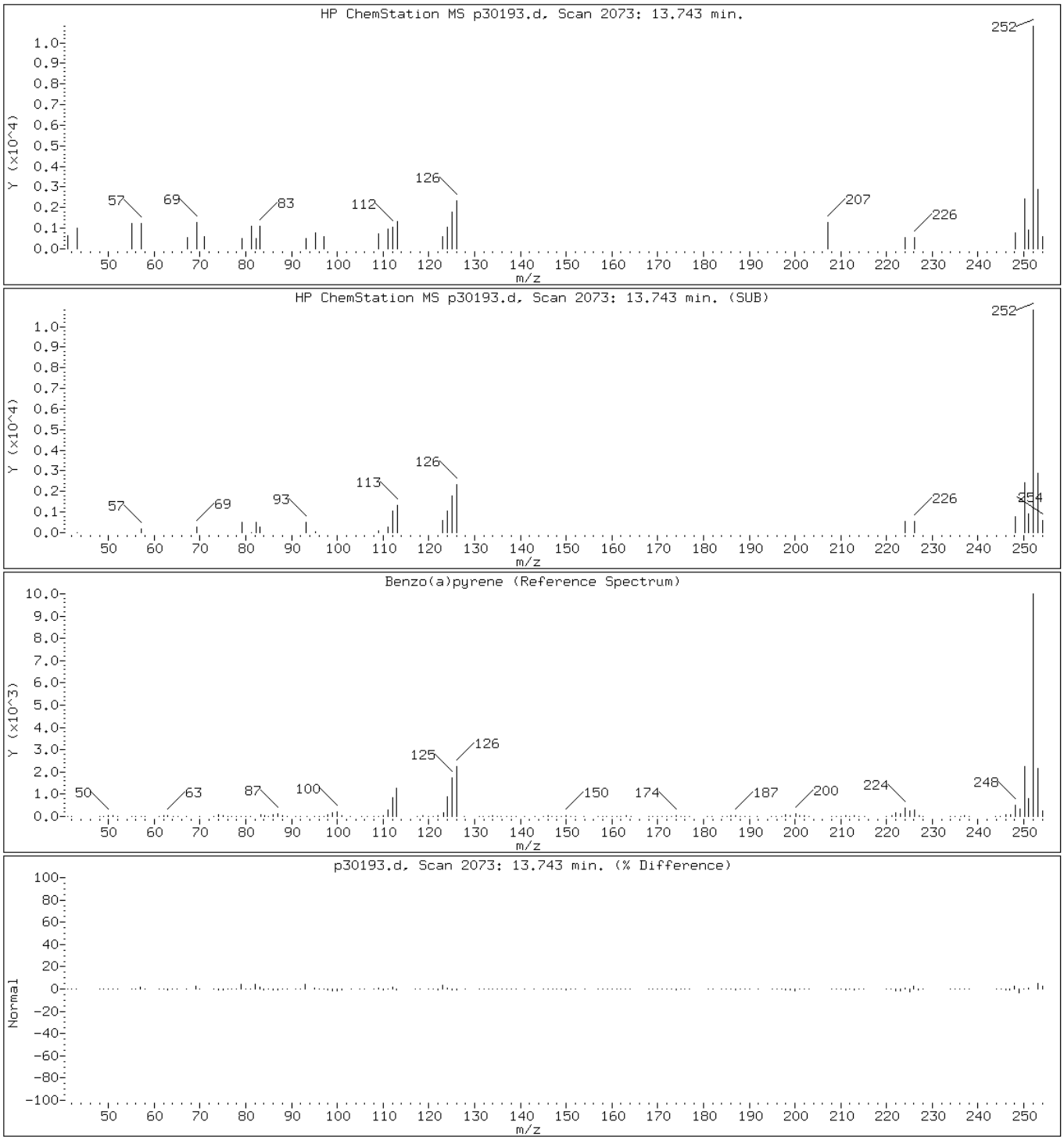
Data File: p30193.d

Date: 18-MAY-2012 10:55

Client ID: DB-6 15-15.5' Instrument: BNAMS10.i

Sample Info: 460-40258-C-10-A Operator: BNAMS 4

67 Benzo(a)pyrene



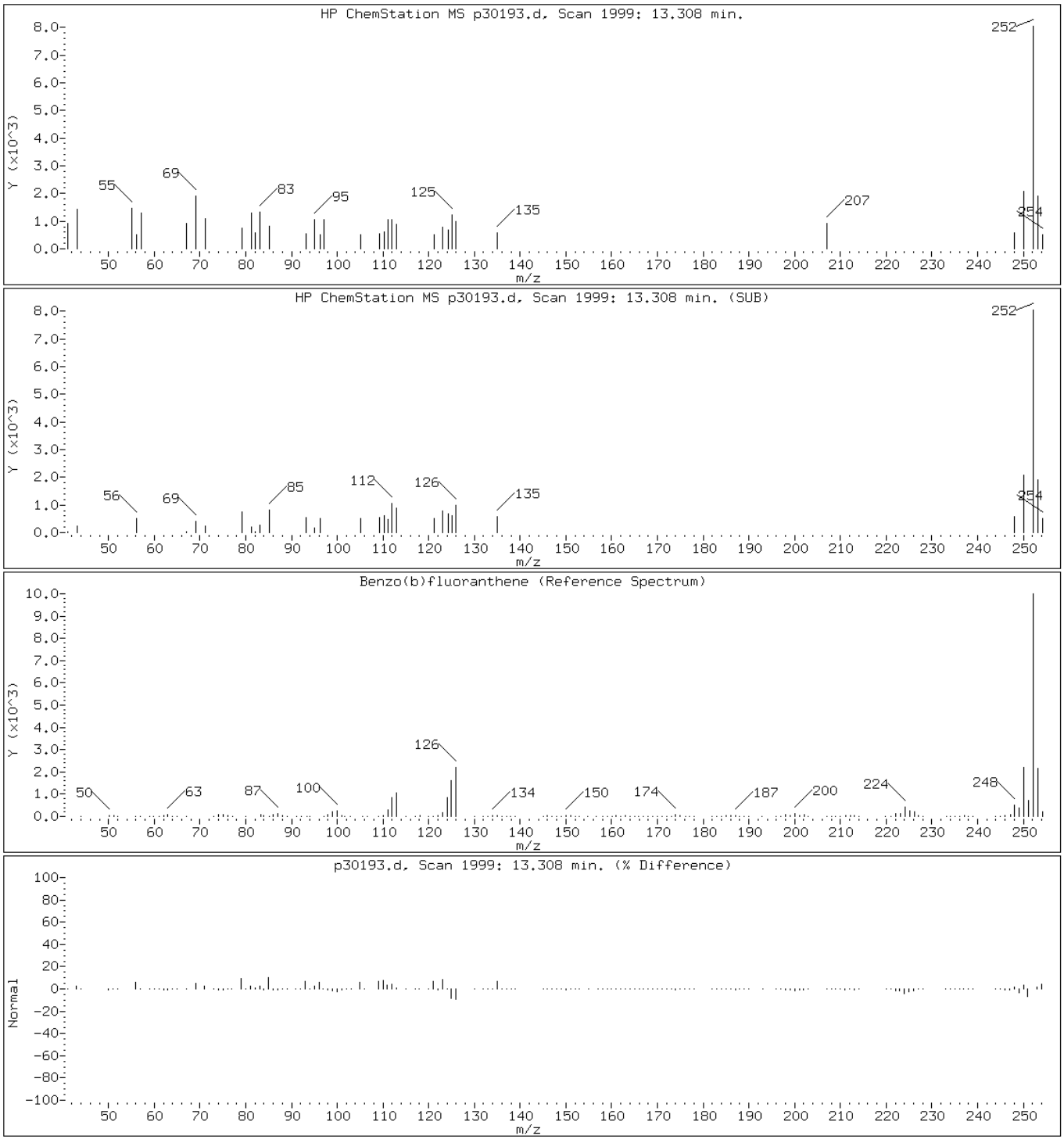
Data File: p30193.d

Date: 18-MAY-2012 10:55

Client ID: DB-6 15-15.5' Instrument: BNAMS10.i

Sample Info: 460-40258-C-10-A Operator: BNAMS 4

65 Benzo(b)fluoranthene



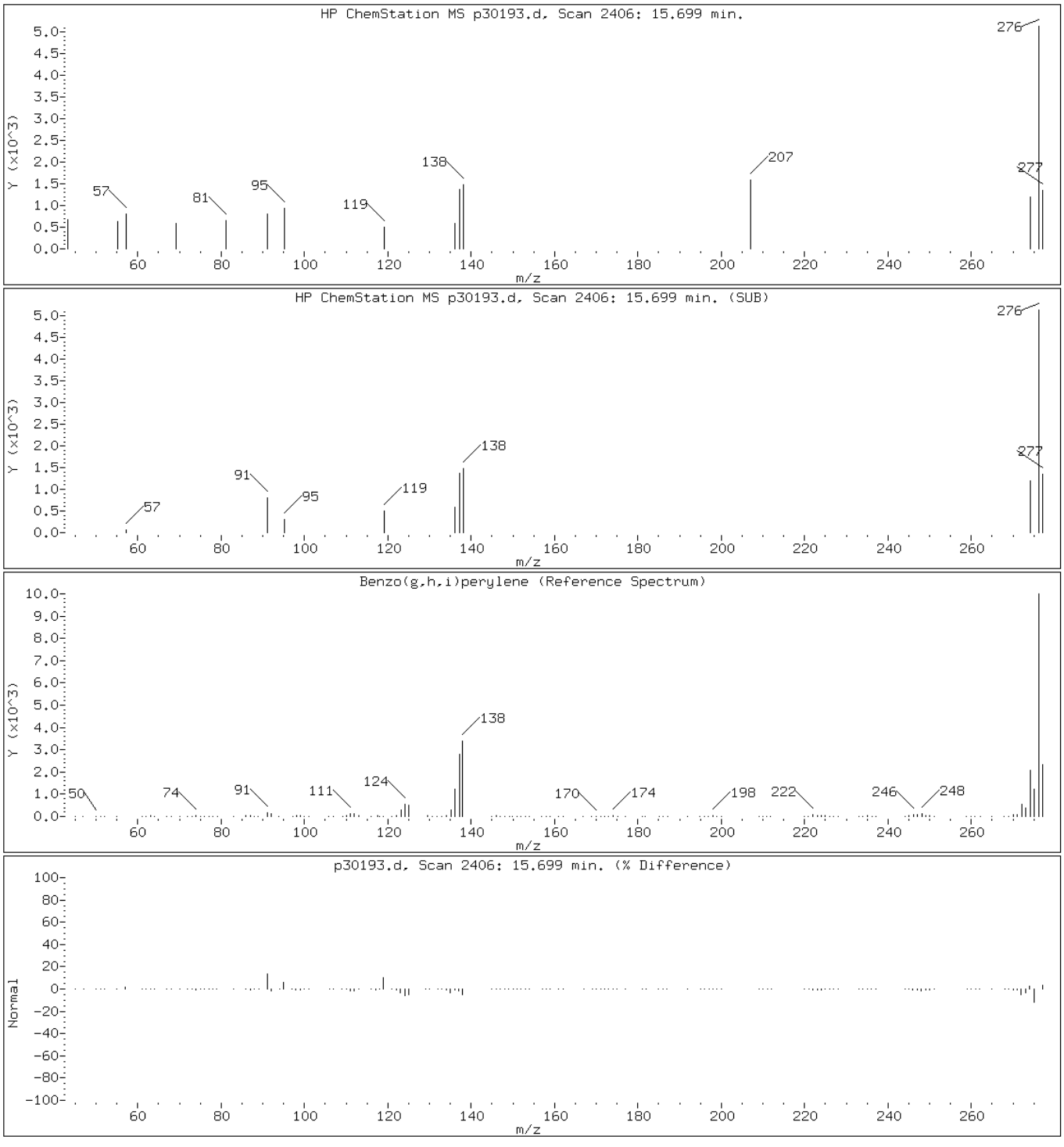
Data File: p30193.d

Date: 18-MAY-2012 10:55

Client ID: DB-6 15-15.5' Instrument: BNAMS10.i

Sample Info: 460-40258-C-10-A Operator: BNAMS 4

70 Benzo(g,h,i)perylene



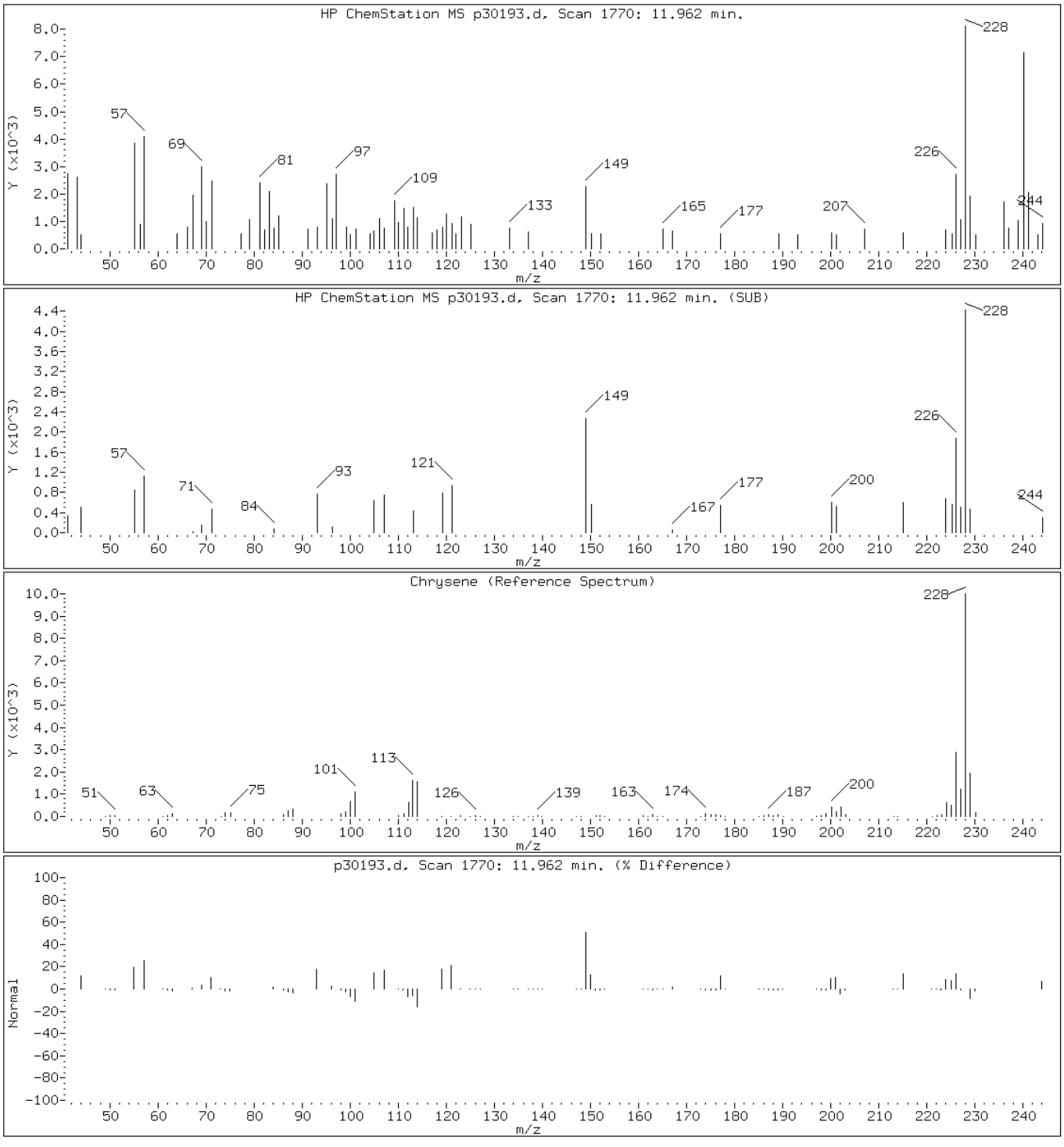
Data File: p30193.d

Date: 18-MAY-2012 10:55

Client ID: DB-6 15-15.5' Instrument: BNAMS10.i

Sample Info: 460-40258-C-10-A Operator: BNAMS 4

62 Chrysene



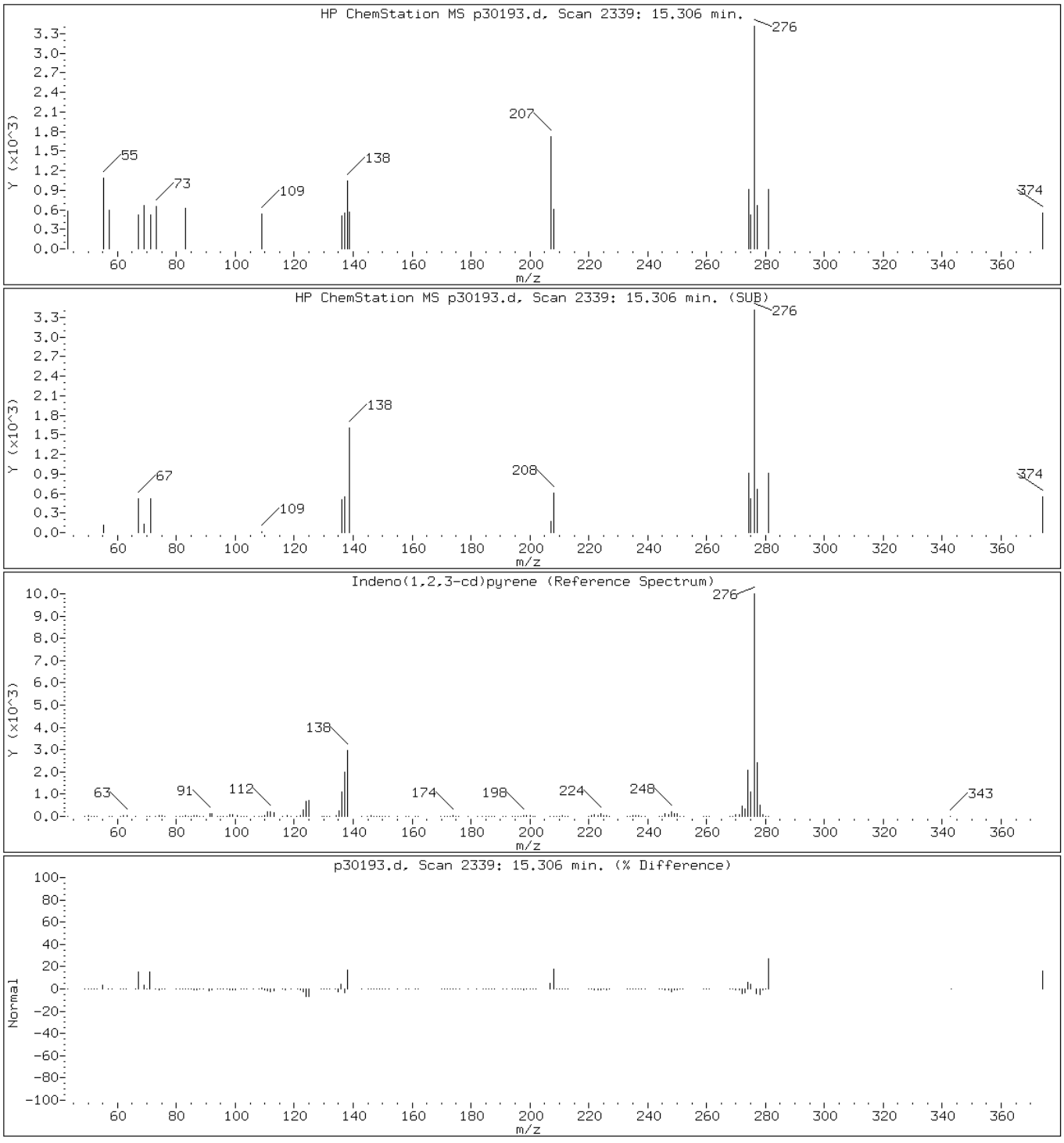
Data File: p30193.d

Date: 18-MAY-2012 10:55

Client ID: DB-6 15-15.5' Instrument: BNAMS10.i

Sample Info: 460-40258-C-10-A Operator: BNAMS 4

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



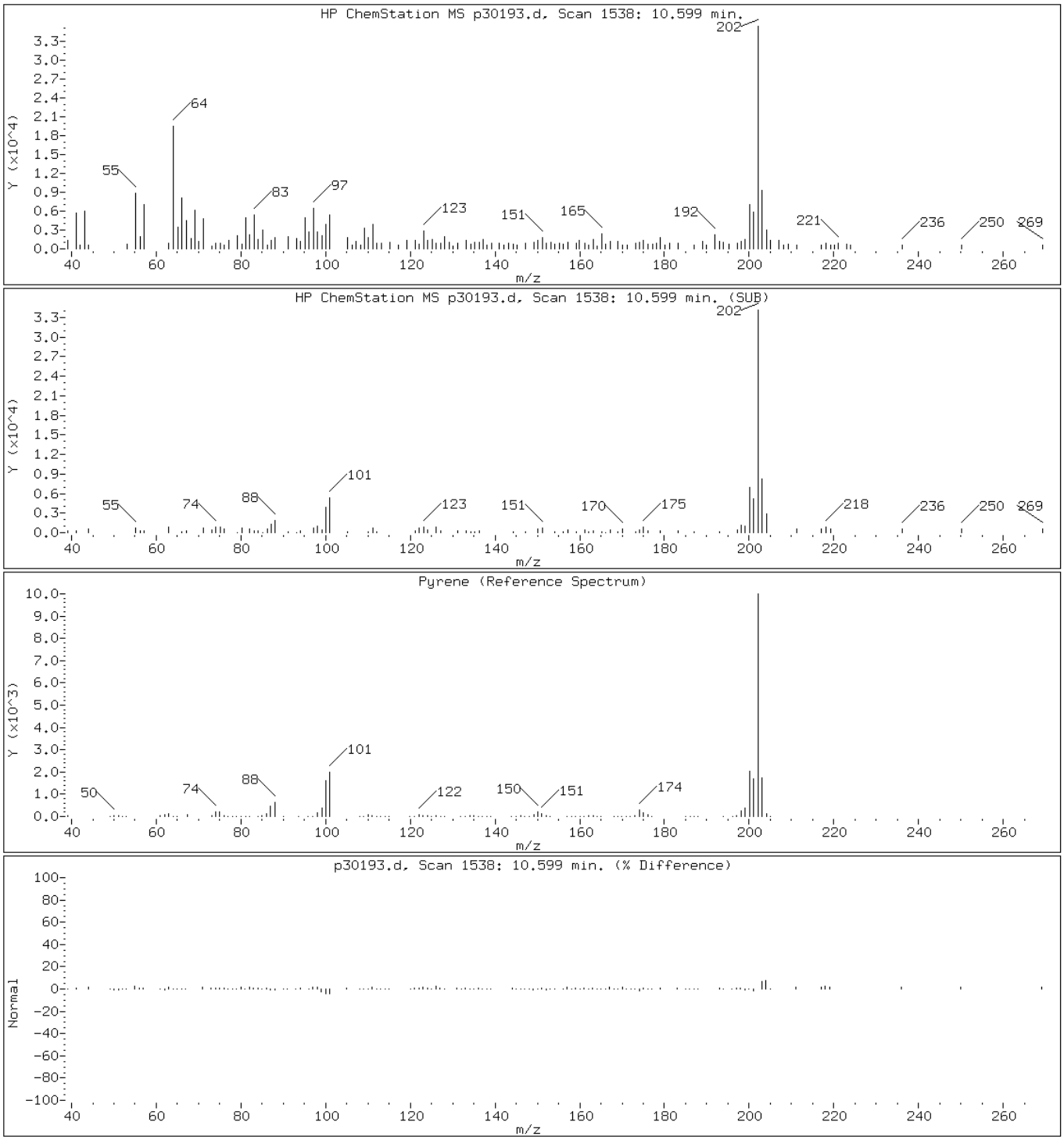
Data File: p30193.d

Date: 18-MAY-2012 10:55

Client ID: DB-6 15-15.5' Instrument: BNAMS10.i

Sample Info: 460-40258-C-10-A Operator: BNAMS 4

57 Pyrene



Manual Integration Report

Data File: p30193.d
Inj. Date and Time: 18-MAY-2012 10:55
Instrument ID: BNAMS10.i
Client ID: DB-6 15-15.5'
Compound: 65 Benzo(b)fluoranthene
CAS #: 205-99-2
Report Date: 05/21/2012

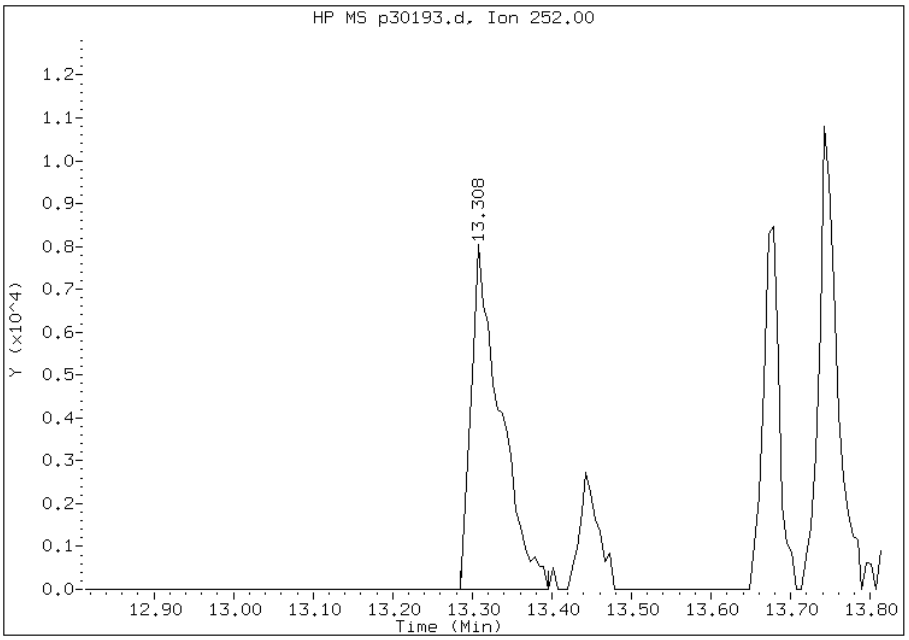
Processing Integration Results

RT: 13.31

Response: 20484

Amount: 1

Conc: 78



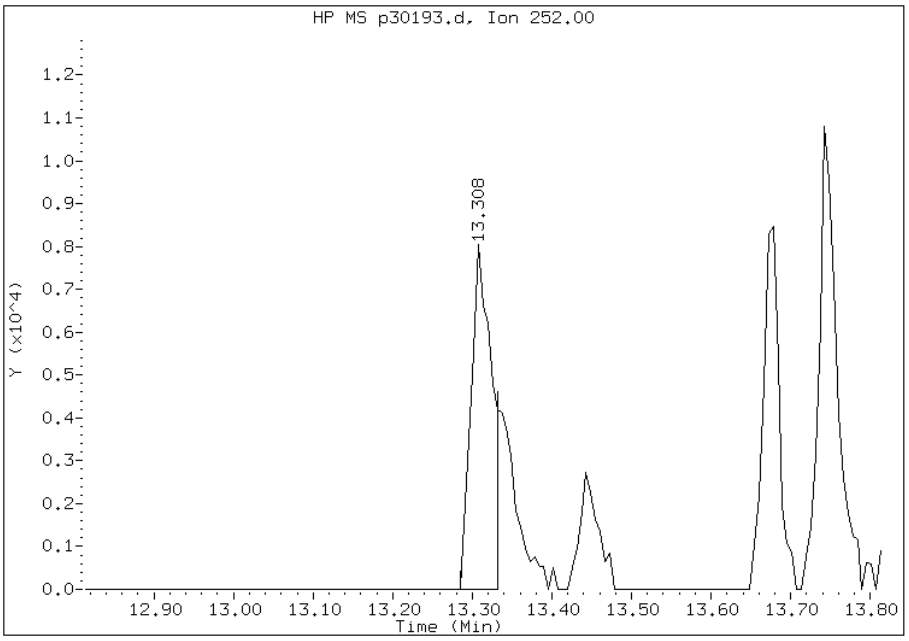
Manual Integration Results

RT: 13.31

Response: 14218

Amount: 1

Conc: 54



Manually Integrated By: wahied
Manual Integration Reason:

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-40258-1

SDG No.:

Client Sample ID: DB-6 29.5-30' | Lab Sample ID: 460-40258-11

Matrix: Solid | Lab File ID: p30246.d

Analysis Method: 8270C | Date Collected: 05/11/2012 10:45

Extract. Method: 3541 | Date Extracted: 05/17/2012 11:25

Sample wt/vol: 15.04(g) | Date Analyzed: 05/21/2012 18:13

Con. Extract Vol.: 1(mL) | Dilution Factor: 5

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 9.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 113487 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-94-3	1,2,4,5-Tetrachlorobenzene	250	U	1800	250
108-60-1	2,2'-oxybis[1-chloropropane]	200	U	1800	200
58-90-2	2,3,4,6-Tetrachlorophenol	240	U	1800	240
86-30-6	N-Nitrosodiphenylamine	180	U	1800	180
77-47-4	Hexachlorocyclopentadiene	220	U	1800	220
105-67-9	2,4-Dimethylphenol	450	U	1800	450
606-20-2	2,6-Dinitrotoluene	55	U	370	55
62-53-3	Aniline	530	U	1800	530
121-14-2	2,4-Dinitrotoluene	60	U	370	60
117-81-7	Bis(2-ethylhexyl) phthalate	610	U	1800	610
65-85-0	Benzoic acid	1800	U	1800	1800
91-58-7	2-Chloronaphthalene	200	U	1800	200
85-68-7	Butyl benzyl phthalate	170	U	1800	170
95-57-8	2-Chlorophenol	240	U	1800	240
84-74-2	Di-n-butyl phthalate	230	U	1800	230
120-83-2	2,4-Dichlorophenol	270	U	1800	270
84-66-2	Diethyl phthalate	220	U	1800	220
51-28-5	2,4-Dinitrophenol	1000	U	5500	1000
95-48-7	2-Methylphenol	310	U	1800	310
131-11-3	Dimethyl phthalate	220	U	1800	220
117-84-0	Di-n-octyl phthalate	120	U	1800	120
91-94-1	3,3'-Dichlorobenzidine	640	U	3700	640
118-74-1	Hexachlorobenzene	25	U	180	25
78-59-1	Isophorone	220	U	1800	220
91-57-6	2-Methylnaphthalene	410	J	1800	240
534-52-1	4,6-Dinitro-2-methylphenol	500	U	5500	500
88-74-4	2-Nitroaniline	760	U	3700	760
101-55-3	4-Bromophenyl phenyl ether	180	U	1800	180
99-09-2	3-Nitroaniline	650	U	3700	650
59-50-7	4-Chloro-3-methylphenol	280	U	1800	280
98-95-3	Nitrobenzene	26	U	180	26
88-75-5	2-Nitrophenol	200	U	1800	200
7005-72-3	4-Chlorophenyl phenyl ether	210	U	1800	210
106-44-5	4-Methylphenol	360	U	1800	360

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-40258-1

SDG No.:

Client Sample ID: DB-6 29.5-30' | Lab Sample ID: 460-40258-11

Matrix: Solid | Lab File ID: p30246.d

Analysis Method: 8270C | Date Collected: 05/11/2012 10:45

Extract. Method: 3541 | Date Extracted: 05/17/2012 11:25

Sample wt/vol: 15.04(g) | Date Analyzed: 05/21/2012 18:13

Con. Extract Vol.: 1(mL) | Dilution Factor: 5

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 9.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 113487 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-02-7	4-Nitrophenol	1200	U	5500	1200
95-95-4	2,4,5-Trichlorophenol	240	U	1800	240
100-01-6	4-Nitroaniline	570	U	3700	570
88-06-2	2,4,6-Trichlorophenol	210	U	1800	210
106-47-8	4-Chloroaniline	490	U	1800	490
83-32-9	Acenaphthene	2800		1800	270
208-96-8	Acenaphthylene	7000		1800	220
98-86-2	Acetophenone	280	U	1800	280
120-12-7	Anthracene	6100		1800	220
56-55-3	Benzo[a]anthracene	2800		180	13
1912-24-9	Atrazine	280	U	1800	280
50-32-8	Benzo[a]pyrene	1800		180	13
100-52-7	Benzaldehyde	220	U	1800	220
205-99-2	Benzo[b]fluoranthene	1300		180	12
191-24-2	Benzo[g,h,i]perylene	600	J	1800	140
207-08-9	Benzo[k]fluoranthene	460		180	14
218-01-9	Chrysene	2700		1800	210
53-70-3	Dibenz(a,h)anthracene	190		180	23
206-44-0	Fluoranthene	5800		1800	240
86-73-7	Fluorene	6600		1800	230
111-91-1	Bis(2-chloroethoxy)methane	240	U	1800	240
193-39-5	Indeno[1,2,3-cd]pyrene	630		180	34
111-44-4	Bis(2-chloroethyl)ether	25	U	180	25
85-01-8	Phenanthrene	21000		1800	230
129-00-0	Pyrene	7500		1800	150
105-60-2	Caprolactam	420	U	1800	420
86-74-8	Carbazole	220	U	1800	220
132-64-9	Dibenzofuran	680	J	1800	210
92-52-4	Diphenyl	2300		1800	250
87-68-3	Hexachlorobutadiene	45	U	370	45
67-72-1	Hexachloroethane	20	U	180	20
91-20-3	Naphthalene	5400		1800	210
621-64-7	N-Nitrosodi-n-propylamine	31	U	180	31
87-86-5	Pentachlorophenol	550	U	5500	550

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Client Sample ID: DB-6 29.5-30' Lab Sample ID: 460-40258-11

Matrix: Solid Lab File ID: p30246.d

Analysis Method: 8270C Date Collected: 05/11/2012 10:45

Extract. Method: 3541 Date Extracted: 05/17/2012 11:25

Sample wt/vol: 15.04(g) Date Analyzed: 05/21/2012 18:13

Con. Extract Vol.: 1(mL) Dilution Factor: 5

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: 9.9 GPC Cleanup:(Y/N) N

Analysis Batch No.: 113487 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-95-2	Phenol	250	U	1800	250
15831-10-4	3 & 4 Methylphenol	310	U	1800	310

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	58		38-105
4165-62-2	Phenol-d5	61		41-118
1718-51-0	Terphenyl-d14	73		16-151
367-12-4	2-Fluorophenol	58		37-125
118-79-6	2,4,6-Tribromophenol	46		10-120
321-60-8	2-Fluorobiphenyl	76		40-109

Data File: /chem/BNAMS10.i/8270/05-16-12/21may12a.b/p30246.d
Report Date: 22-May-2012 12:21

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS10.i/8270/05-16-12/21may12a.b/p30246.d
Lab Smp Id: 460-40258-A-11-F Client Smp ID: DB-6 29.5-30'
Inj Date : 21-MAY-2012 18:13
Operator : BNAMS 4 Inst ID: BNAMS10.i
Smp Info : 460-40258-A-11-F
Misc Info : 460-40258-A-11-F
Comment   :
Method   : /chem/BNAMS10.i/8270/05-16-12/21may12a.b/8270C_11.m
Meth Date : 21-May-2012 16:16 czhao Quant Type: ISTD
Cal Date : 16-MAY-2012 15:59 Cal File: p30119.d
Als bottle: 7
Dil Factor: 5.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * Uf*1000*Vt/(Ws*(100-M)/100) * CpndVariable

Name	Value	Description
DF	5.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.04000	Weight of sample extracted (g)
M	9.94941	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
$ 16 2-Fluorophenol (SUR)	112	3.048	3.054	(0.685)	212133	11.6855	4300
$ 17 Phenol-d5 (SUR)	99	4.058	4.082	(0.912)	265046	12.2549	4500
* 79 1,4-Dichlorobenzene-d4	152	4.452	4.458	(1.000)	530055	40.0000	
$ 76 Nitrobenzene-d5 (SUR)	82	5.051	5.069	(0.868)	108909	5.83845	2200
* 80 Naphthalene-d8	136	5.821	5.827	(1.000)	1686469	40.0000	
31 Naphthalene	128	5.839	5.845	(1.003)	726797	14.6638	5400
34 2-Methylnaphthalene	142	6.561	6.567	(1.127)	31607	1.11945	410(a)
120 1-Methylnaphthalene	142	6.661	6.667	(1.144)	716511	24.8070	9200
$ 77 2-Fluorobiphenyl (SUR)	172	6.943	6.949	(0.912)	197087	7.64031	2800
102 Diphenyl	154	7.037	7.049	(0.924)	174856	6.26669	2300
125 1,3-Dimethylnaphthalene	156	7.278	7.284	(0.956)	405887	21.4104	7900
39 Acenaphthylene	152	7.472	7.478	(0.981)	617402	19.0668	7000
* 82 Acenaphthene-d10	164	7.613	7.619	(1.000)	754419	40.0000	

Data File: /chem/BNAMS10.i/8270/05-16-12/21may12a.b/p30246.d
Report Date: 22-May-2012 12:21

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)
	42 Acenaphthene	154	7.643	7.654	(1.004)	146257	7.50036	2800
	43 Dibenzofuran	168	7.819	7.825	(1.027)	49967	1.83109	680(a)
	47 Fluorene	166	8.160	8.166	(1.072)	381205	17.7570	6600
$	18 2,4,6-Tribromophenol (SUR)	330	8.400	8.406	(1.103)	26133	9.27770	3400
*	83 Phenanthrene-d10	188	9.088	9.088	(1.000)	908588	40.0000	
	52 Phenanthrene	178	9.111	9.112	(1.003)	1425538	58.1597	21000
	53 Anthracene	178	9.158	9.164	(1.008)	405161	16.3968	6000
	54 Carbazole	167	9.317	9.323	(1.025)	2768	0.13999	52(a)
	56 Fluoranthene	202	10.281	10.281	(1.131)	323541	15.7349	5800
	57 Pyrene	202	10.498	10.504	(0.889)	491307	20.4038	7500
$	78 Terphenyl-d14	244	10.663	10.663	(0.903)	117262	7.25298	2700
	61 Benzo(a)anthracene	228	11.791	11.797	(0.998)	127683	7.60934	2800
*	81 Chrysene-d12	240	11.808	11.814	(1.000)	562371	40.0000	
	62 Chrysene	228	11.838	11.844	(1.002)	109296	7.18939	2600
	65 Benzo(b)fluoranthene	252	13.166	13.172	(0.963)	59292	3.51595	1300
	66 Benzo(k)fluoranthene	252	13.195	13.207	(0.965)	21310	1.24517	460(MH)
	67 Benzo(a)pyrene	252	13.594	13.601	(0.994)	67007	4.95621	1800
*	84 Perylene-d12	264	13.677	13.677	(1.000)	514541	40.0000	
	68 Indeno(1,2,3-cd)pyrene	276	15.116	15.128	(1.105)	20784	1.69870	630
	69 Dibenz(a,h)anthracene	278	15.157	15.163	(1.108)	6062	0.50164	180(a)
	70 Benzo(g,h,i)perylene	276	15.504	15.522	(1.134)	20320	1.61709	600(a)

QC Flag Legend

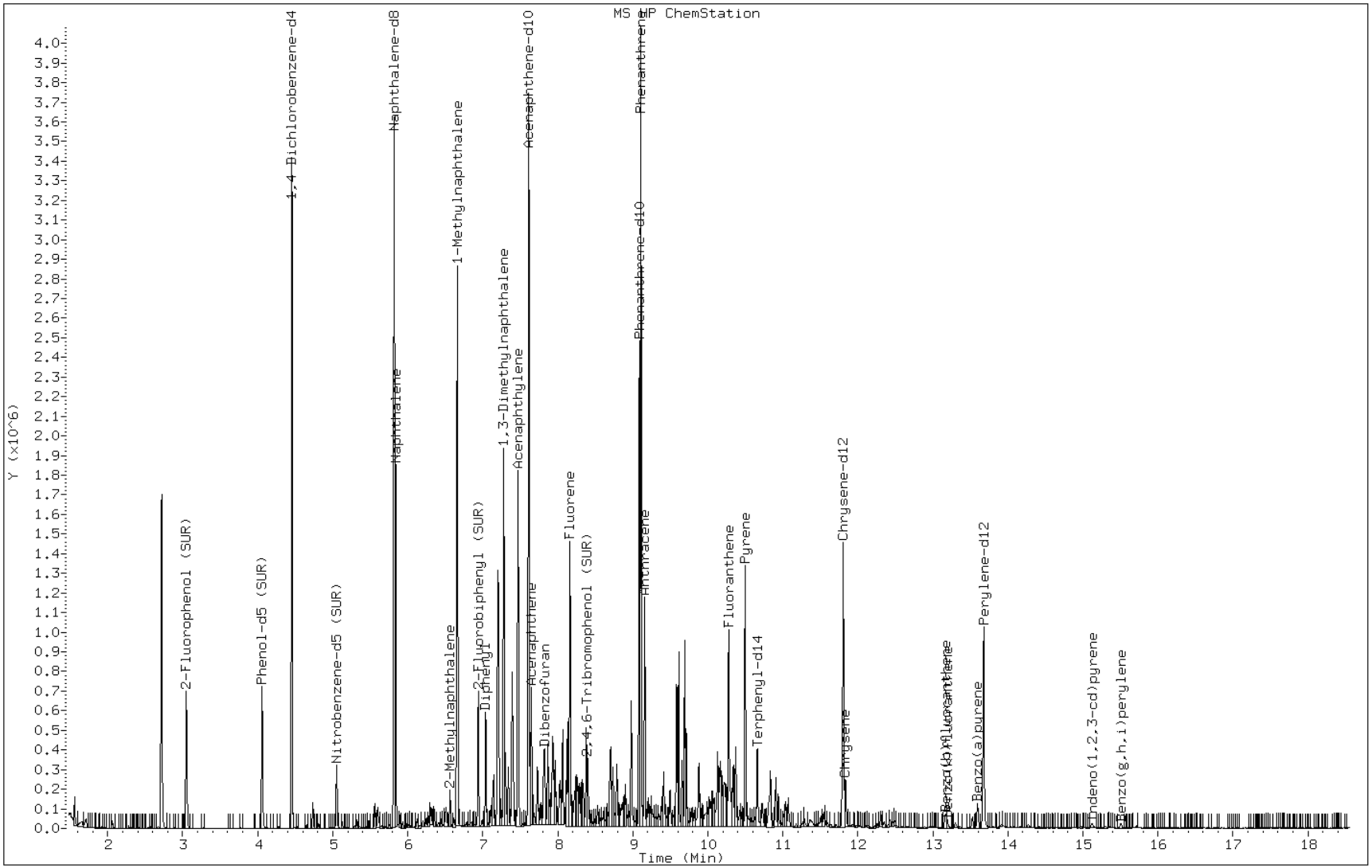
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: p30246.d

Date: 21-MAY-2012 18:13

Client ID: DB-6 29.5-30' Instrument: BNAMS10.i

Sample Info: 460-40258-A-11-F Operator: BNAMS 4



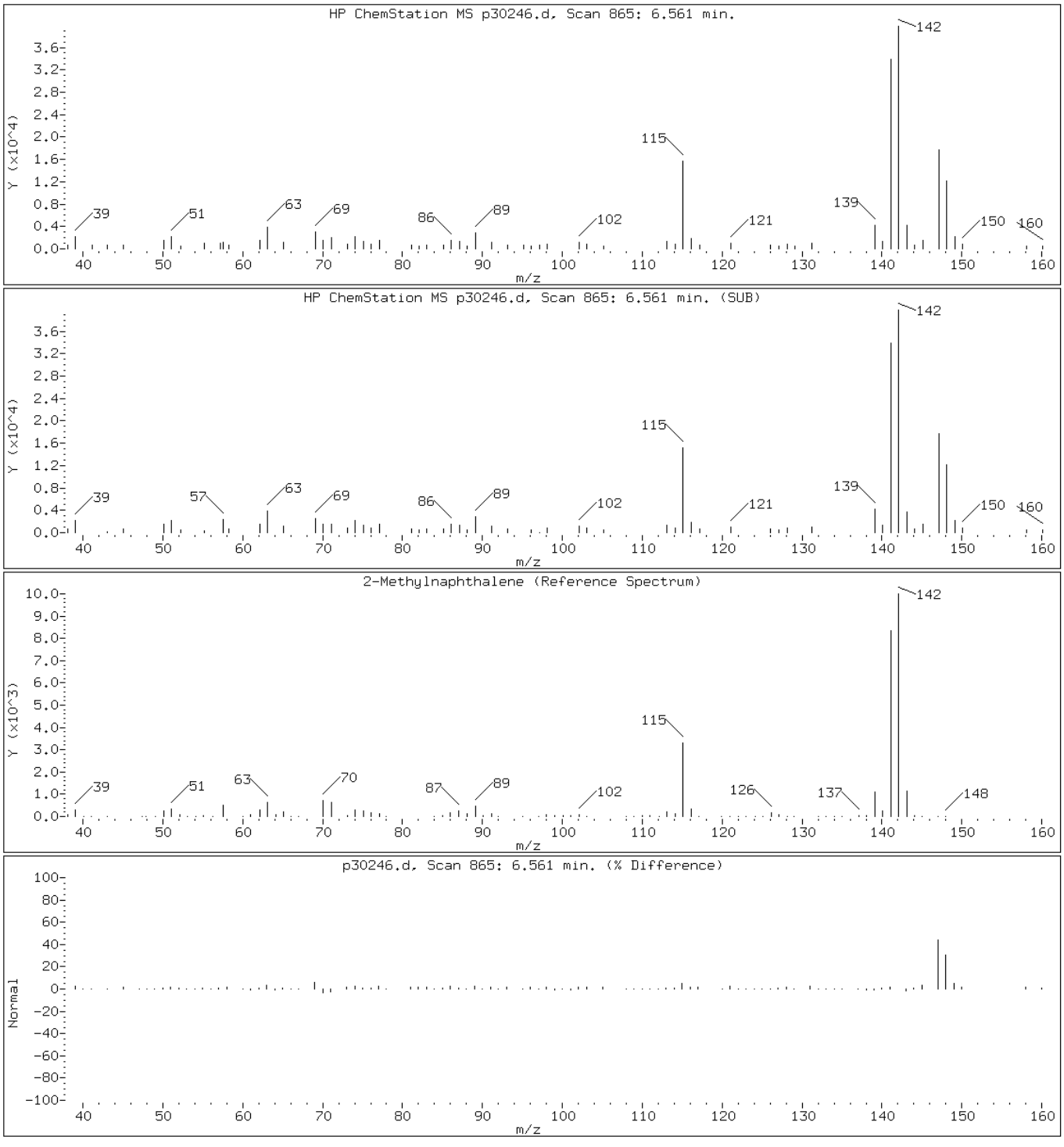
Data File: p30246.d

Date: 21-MAY-2012 18:13

Client ID: DB-6 29.5-30' Instrument: BNAMS10.i

Sample Info: 460-40258-A-11-F Operator: BNAMS 4

34 2-Methylnaphthalene



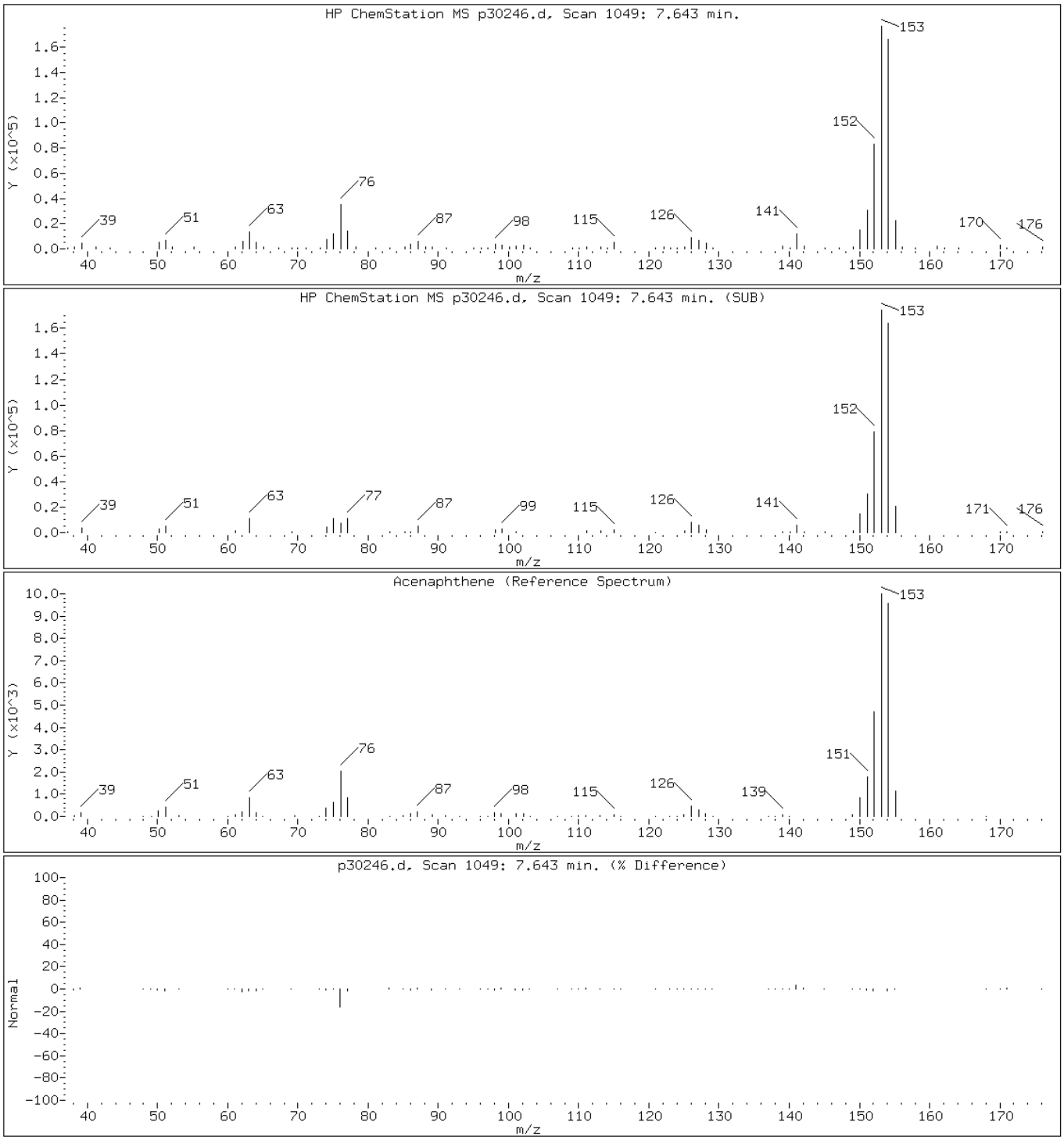
Data File: p30246.d

Date: 21-MAY-2012 18:13

Client ID: DB-6 29.5-30' Instrument: BNAMS10.i

Sample Info: 460-40258-A-11-F Operator: BNAMS 4

42 Acenaphthene



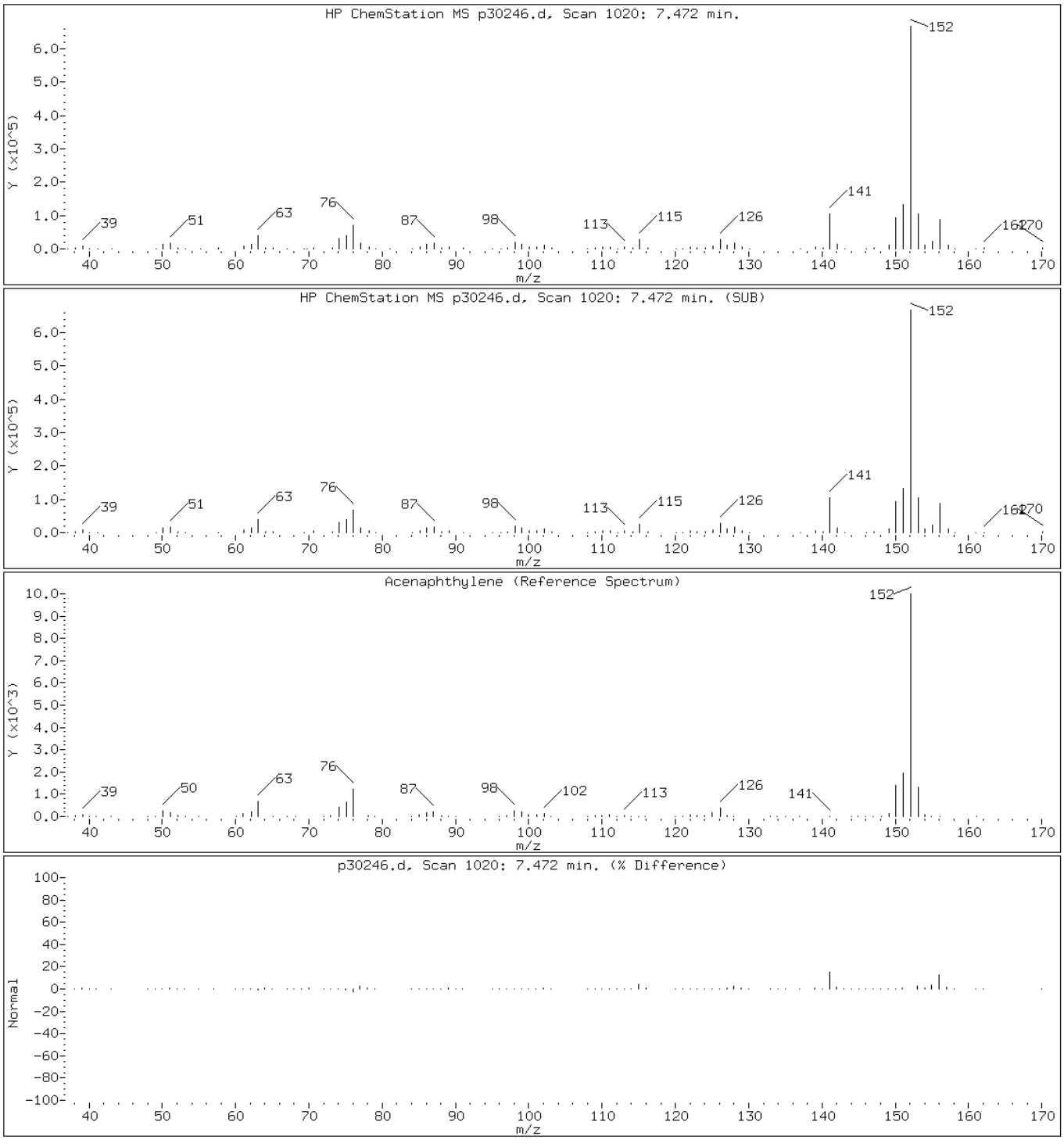
Data File: p30246.d

Date: 21-MAY-2012 18:13

Client ID: DB-6 29.5-30' Instrument: BNAMS10.i

Sample Info: 460-40258-A-11-F Operator: BNAMS 4

39 Acenaphthylene



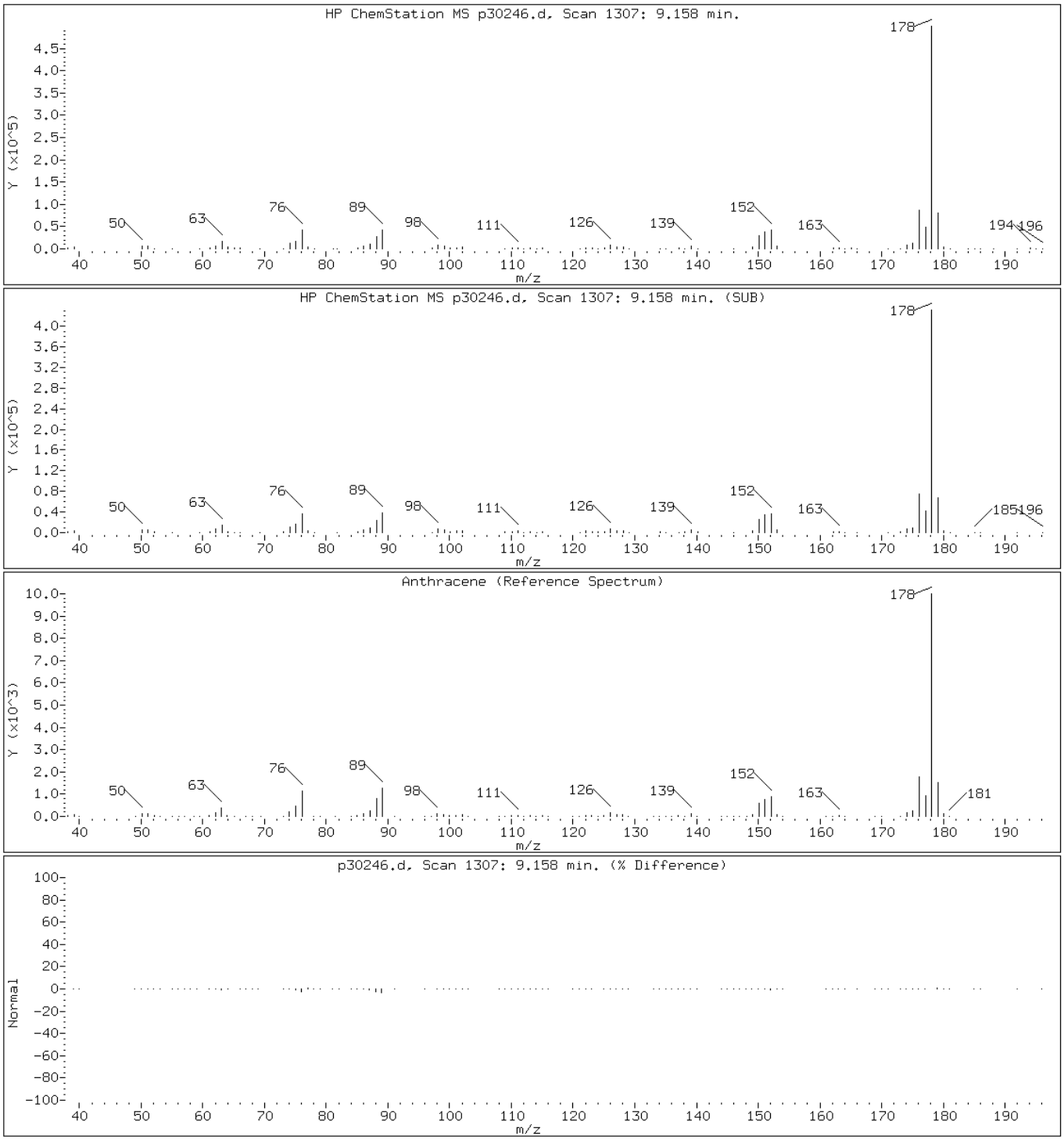
Data File: p30246.d

Date: 21-MAY-2012 18:13

Client ID: DB-6 29.5-30' Instrument: BNAMS10.i

Sample Info: 460-40258-A-11-F Operator: BNAMS 4

53 Anthracene



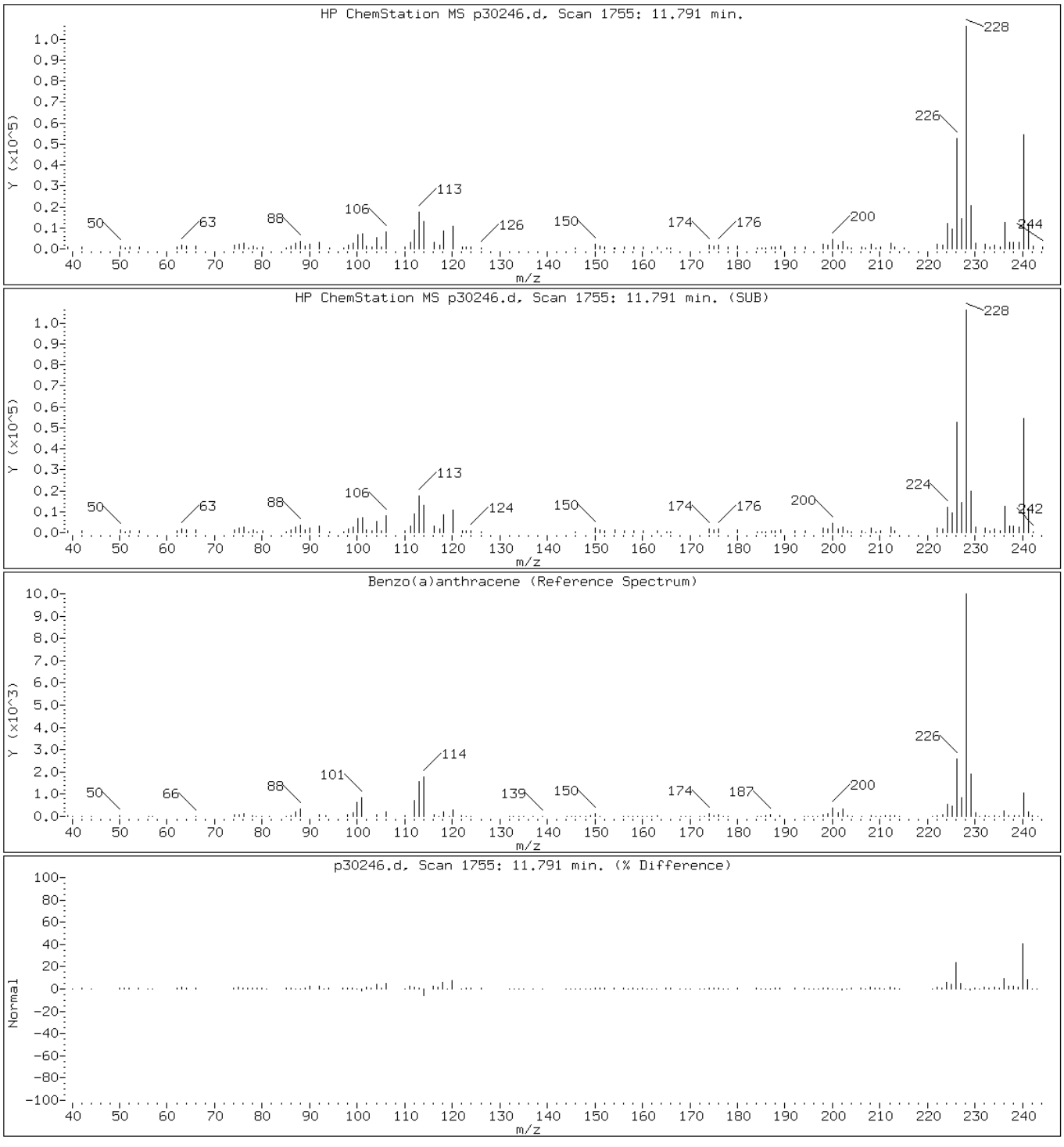
Data File: p30246.d

Date: 21-MAY-2012 18:13

Client ID: DB-6 29.5-30' Instrument: BNAMS10.i

Sample Info: 460-40258-A-11-F Operator: BNAMS 4

61 Benzo(a)anthracene



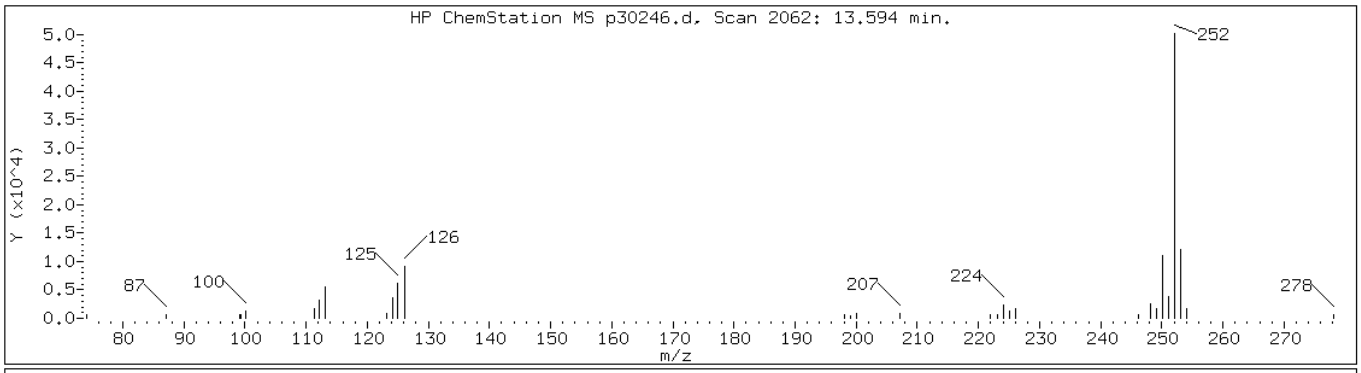
Data File: p30246.d

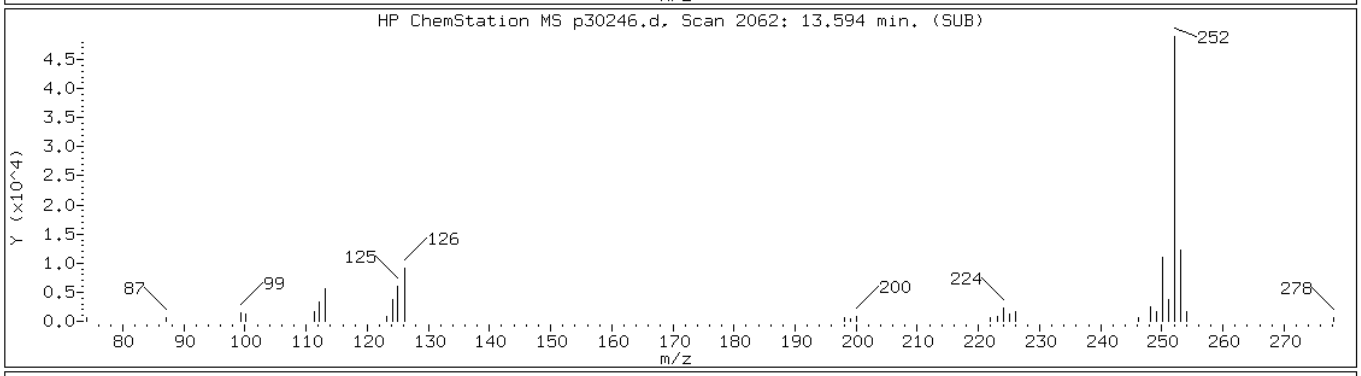
Date: 21-MAY-2012 18:13

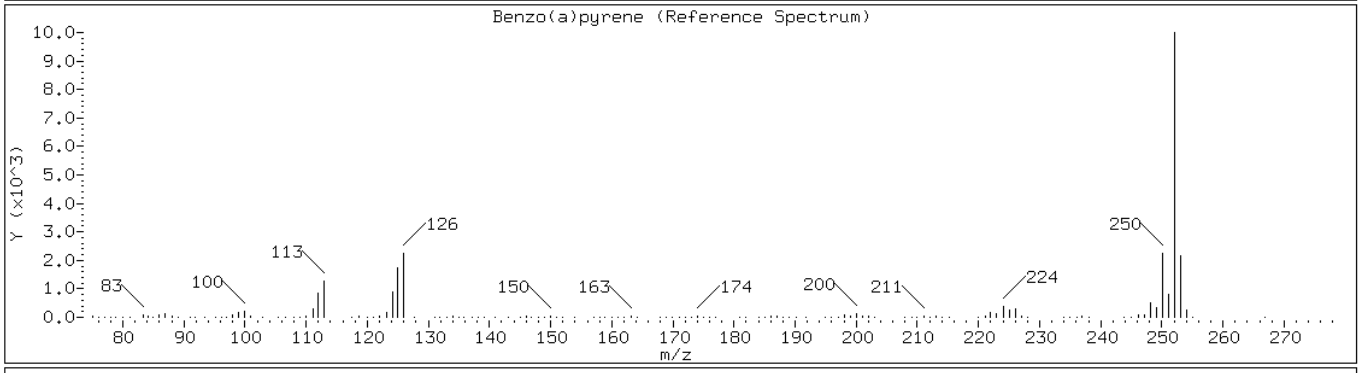
Client ID: DB-6 29.5-30' Instrument: BNAMS10.i

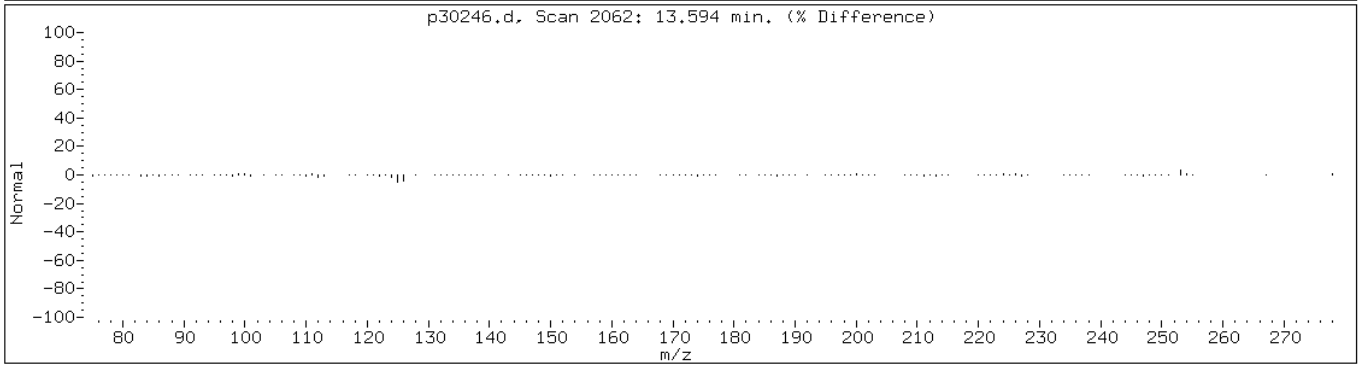
Sample Info: 460-40258-A-11-F Operator: BNAMS 4

67 Benzo(a)pyrene









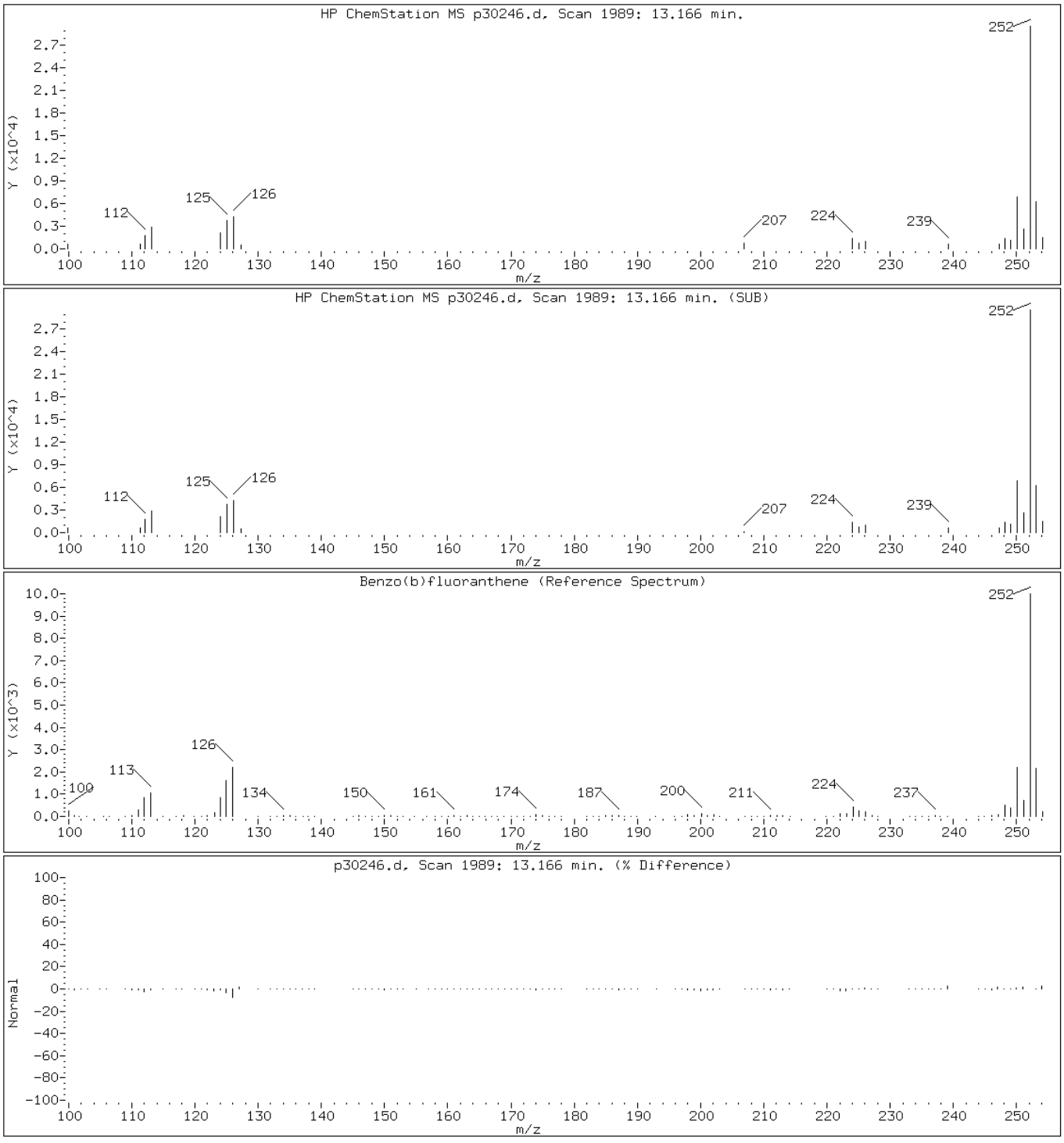
Data File: p30246.d

Date: 21-MAY-2012 18:13

Client ID: DB-6 29.5-30' Instrument: BNAMS10.i

Sample Info: 460-40258-A-11-F Operator: BNAMS 4

65 Benzo(b)fluoranthene



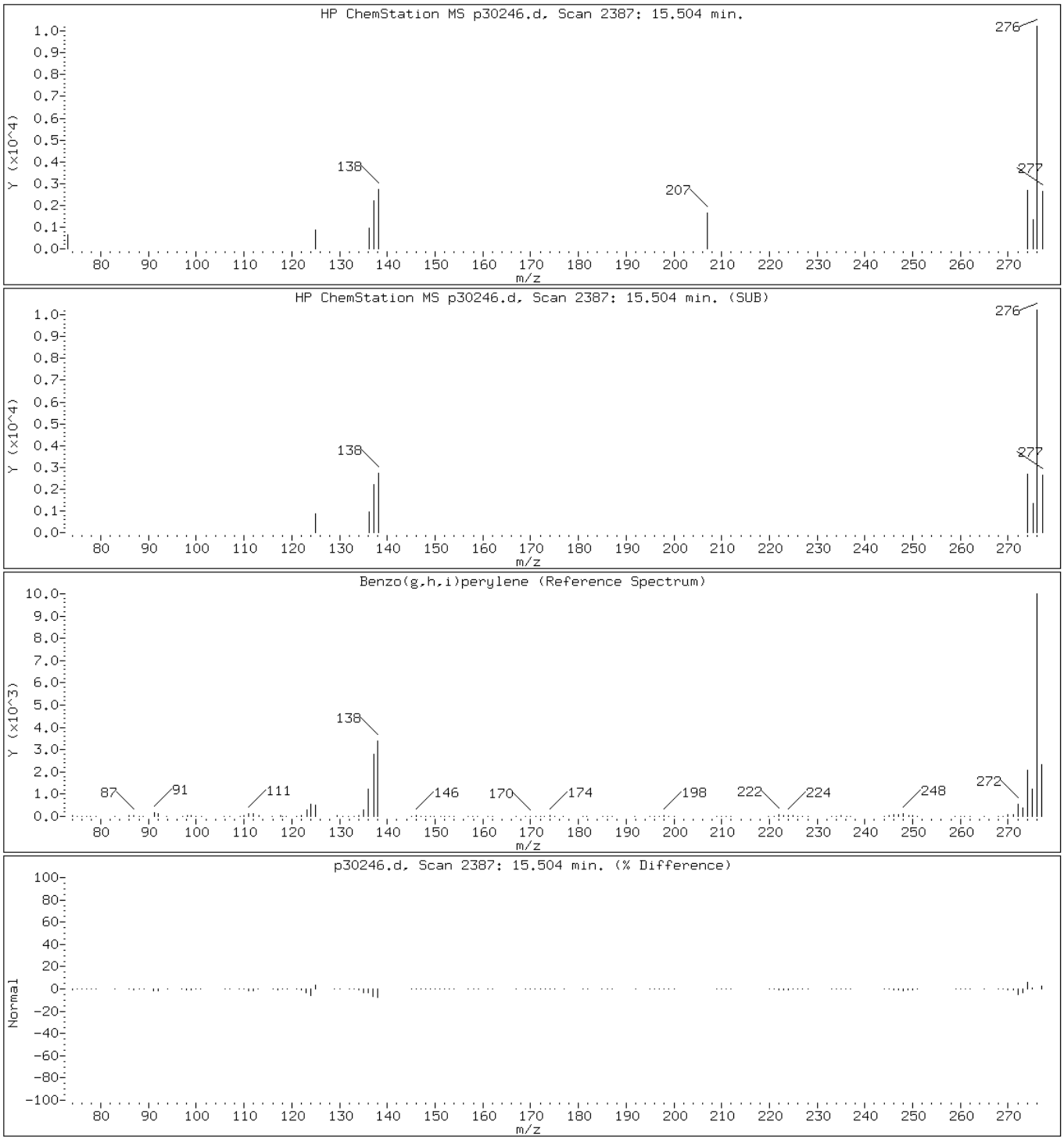
Data File: p30246.d

Date: 21-MAY-2012 18:13

Client ID: DB-6 29.5-30' Instrument: BNAMS10.i

Sample Info: 460-40258-A-11-F Operator: BNAMS 4

70 Benzo(g,h,i)perylene



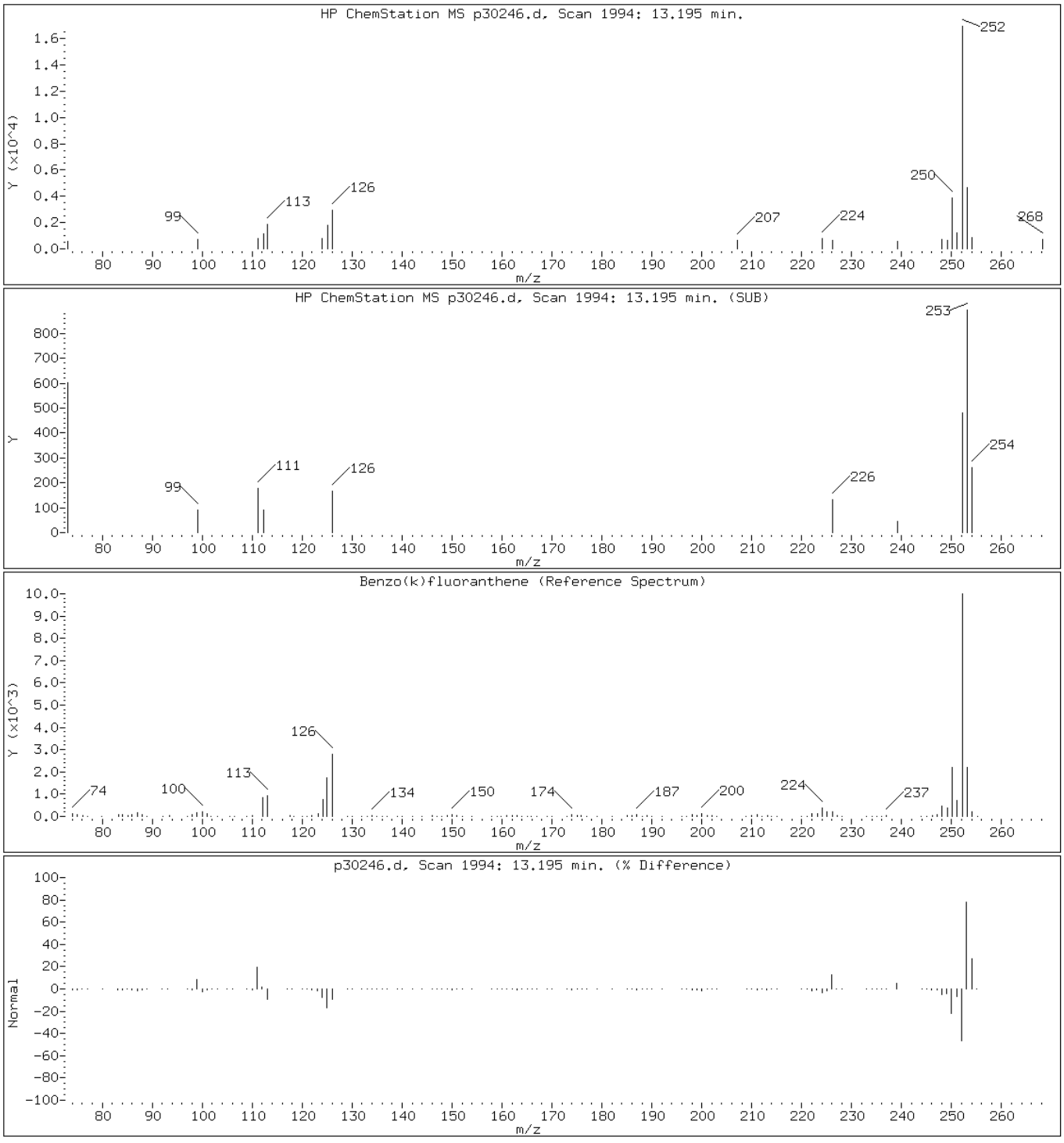
Data File: p30246.d

Date: 21-MAY-2012 18:13

Client ID: DB-6 29.5-30' Instrument: BNAMS10.i

Sample Info: 460-40258-A-11-F Operator: BNAMS 4

66 Benzo(k)fluoranthene



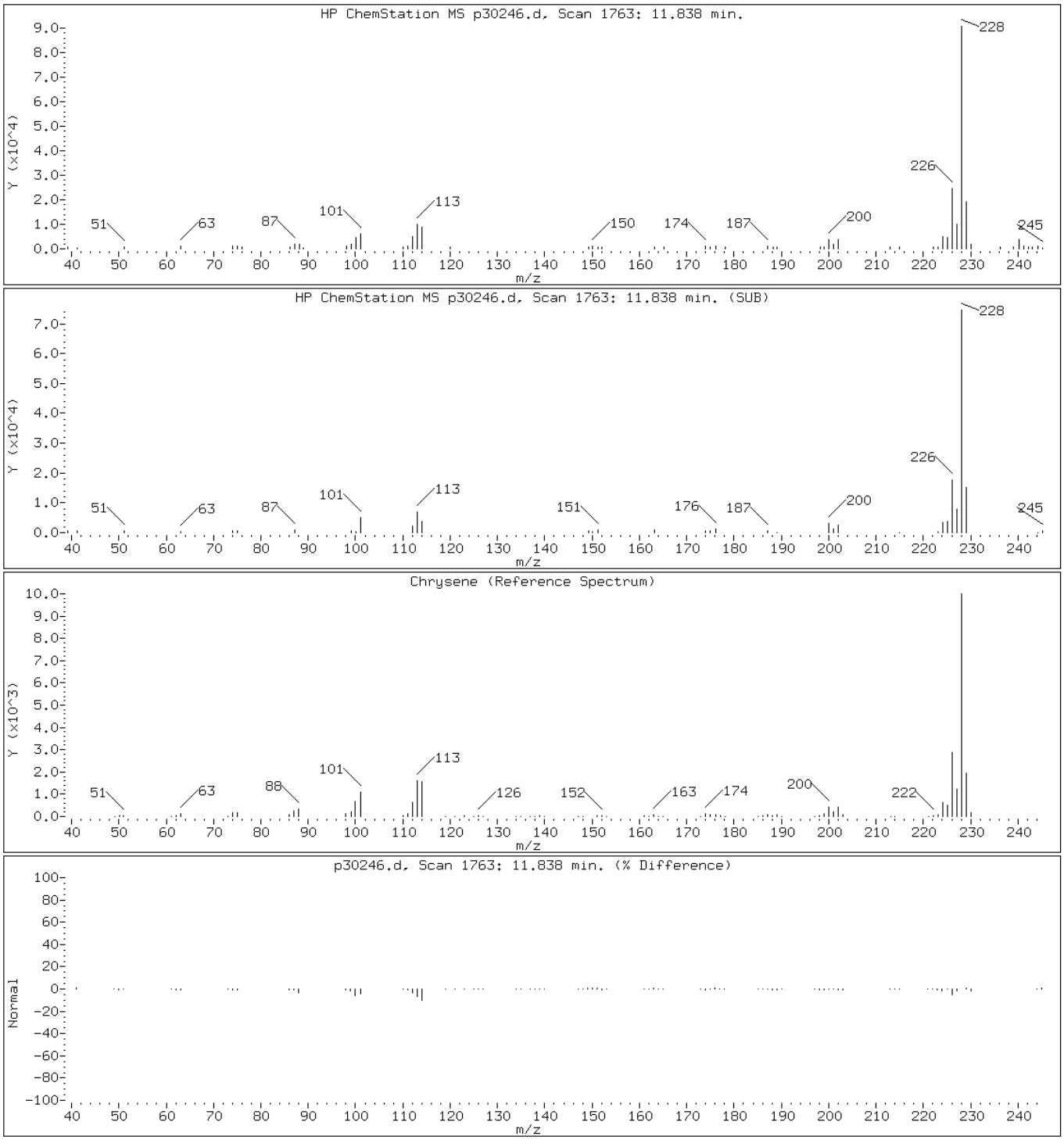
Data File: p30246.d

Date: 21-MAY-2012 18:13

Client ID: DB-6 29.5-30' Instrument: BNAMS10.i

Sample Info: 460-40258-A-11-F Operator: BNAMS 4

62 Chrysene



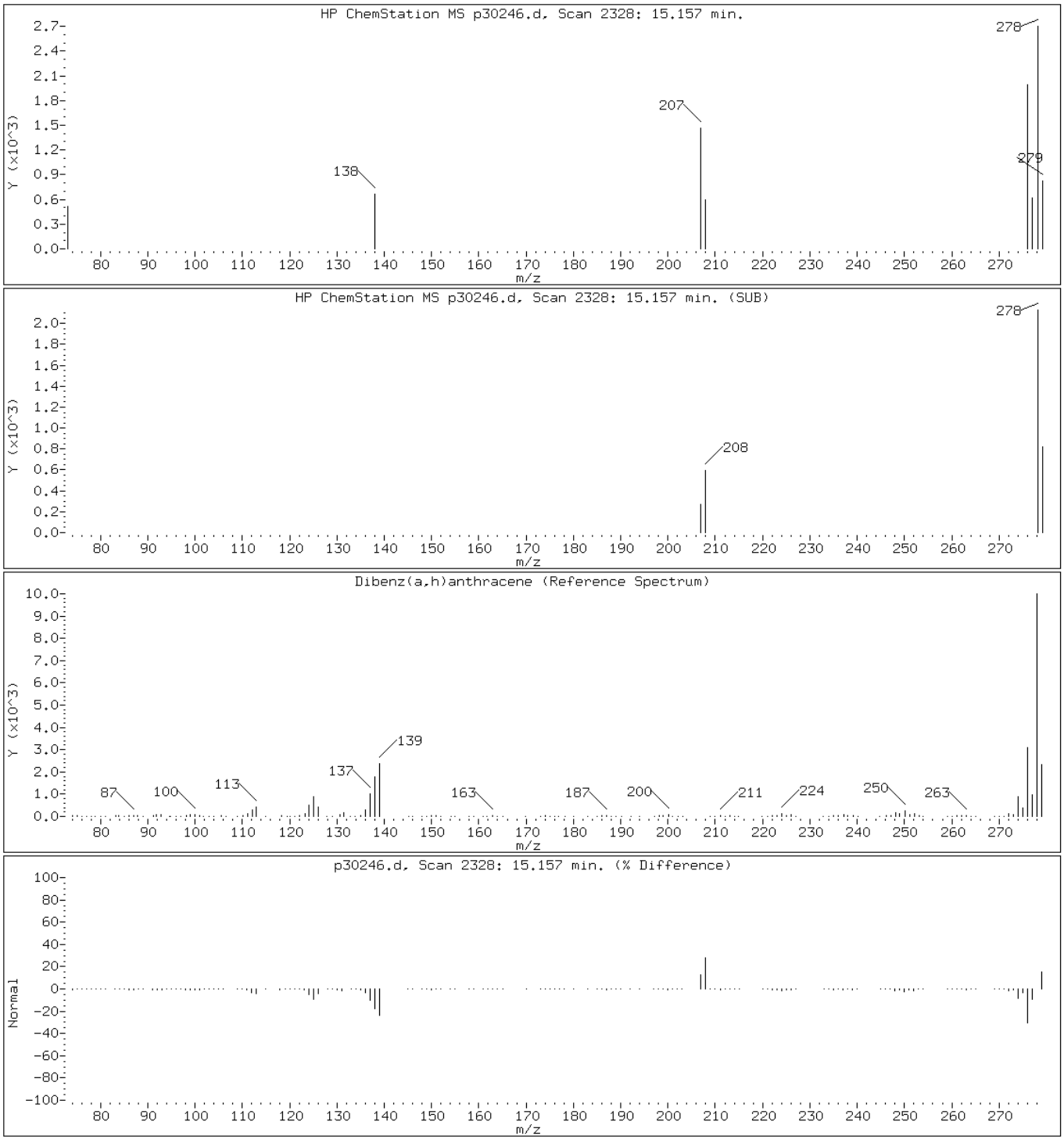
Data File: p30246.d

Date: 21-MAY-2012 18:13

Client ID: DB-6 29.5-30' Instrument: BNAMS10.i

Sample Info: 460-40258-A-11-F Operator: BNAMS 4

69 Dibenz(a,h)anthracene



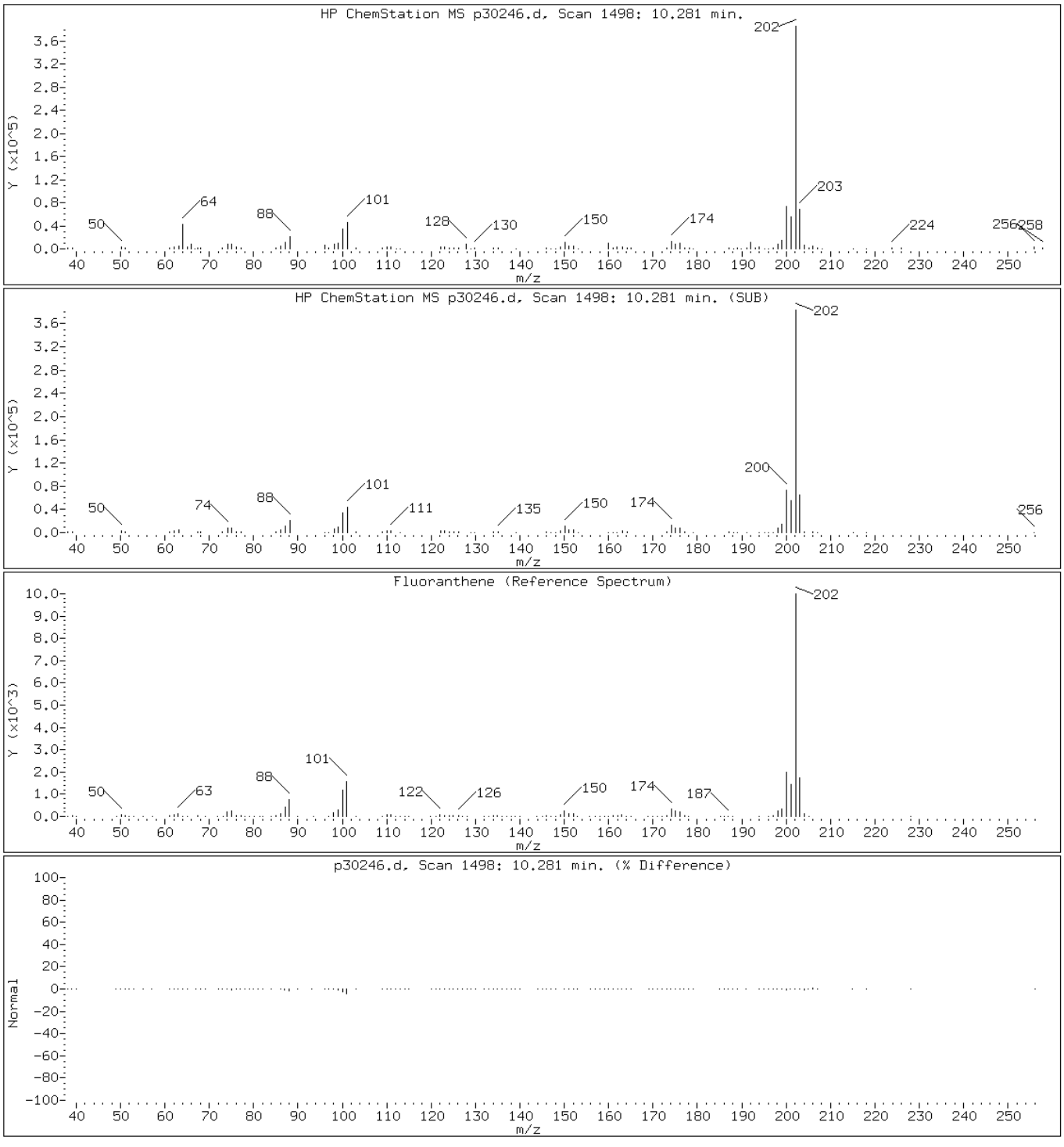
Data File: p30246.d

Date: 21-MAY-2012 18:13

Client ID: DB-6 29.5-30' Instrument: BNAMS10.i

Sample Info: 460-40258-A-11-F Operator: BNAMS 4

56 Fluoranthene



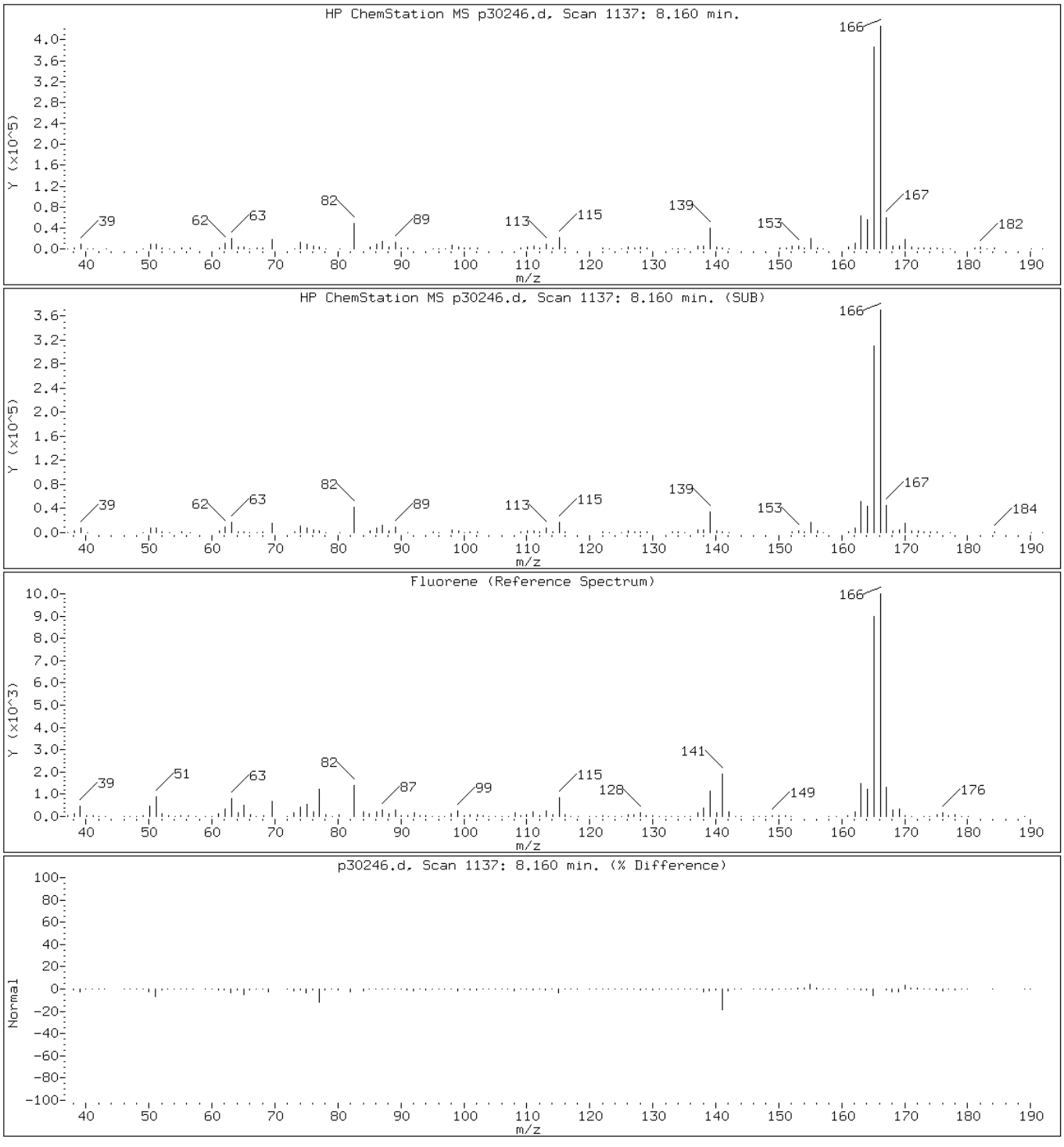
Data File: p30246.d

Date: 21-MAY-2012 18:13

Client ID: DB-6 29.5-30' Instrument: BNAMS10.i

Sample Info: 460-40258-A-11-F Operator: BNAMS 4

47 Fluorene



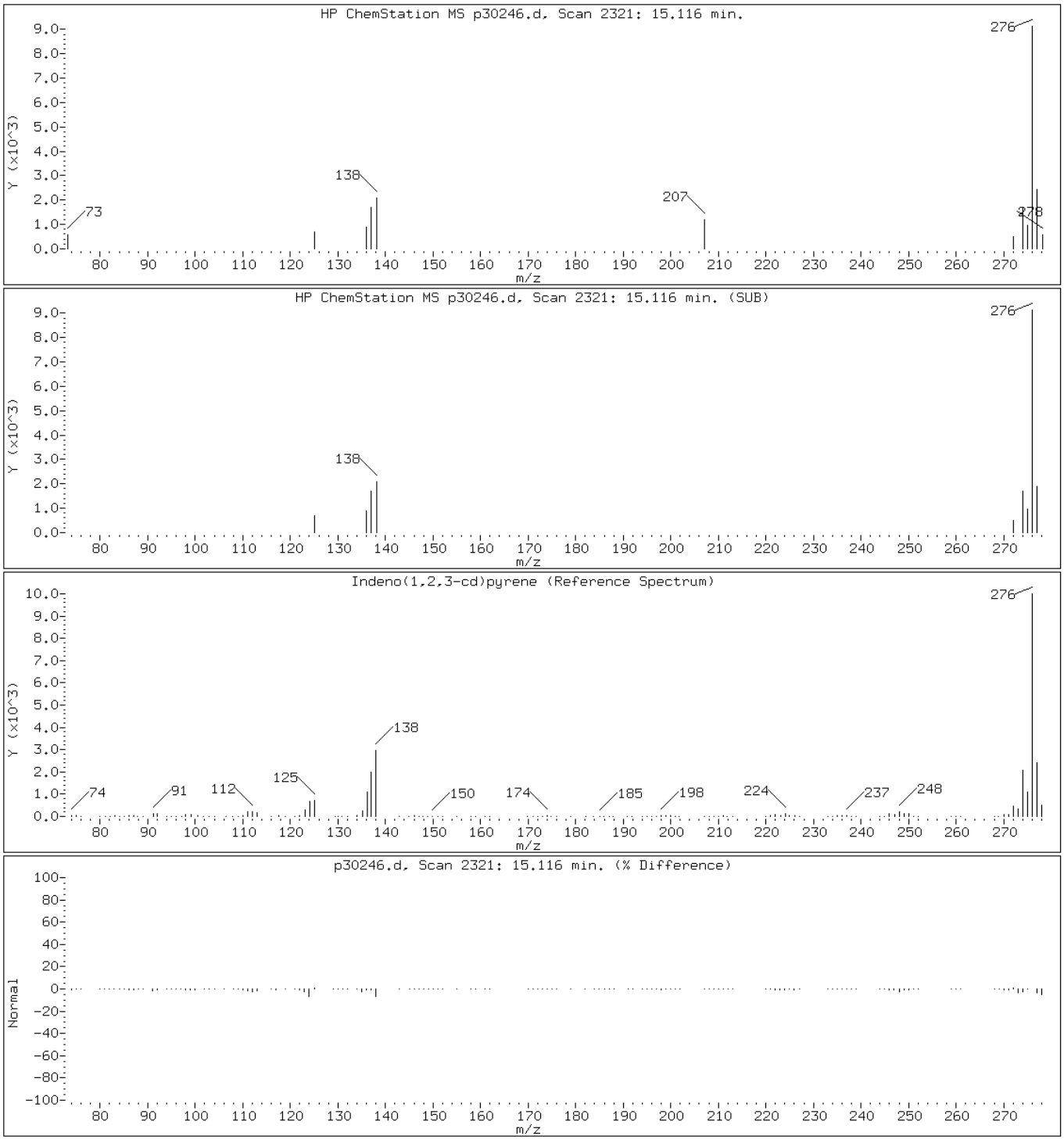
Data File: p30246.d

Date: 21-MAY-2012 18:13

Client ID: DB-6 29.5-30' Instrument: BNAMS10.i

Sample Info: 460-40258-A-11-F Operator: BNAMS 4

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



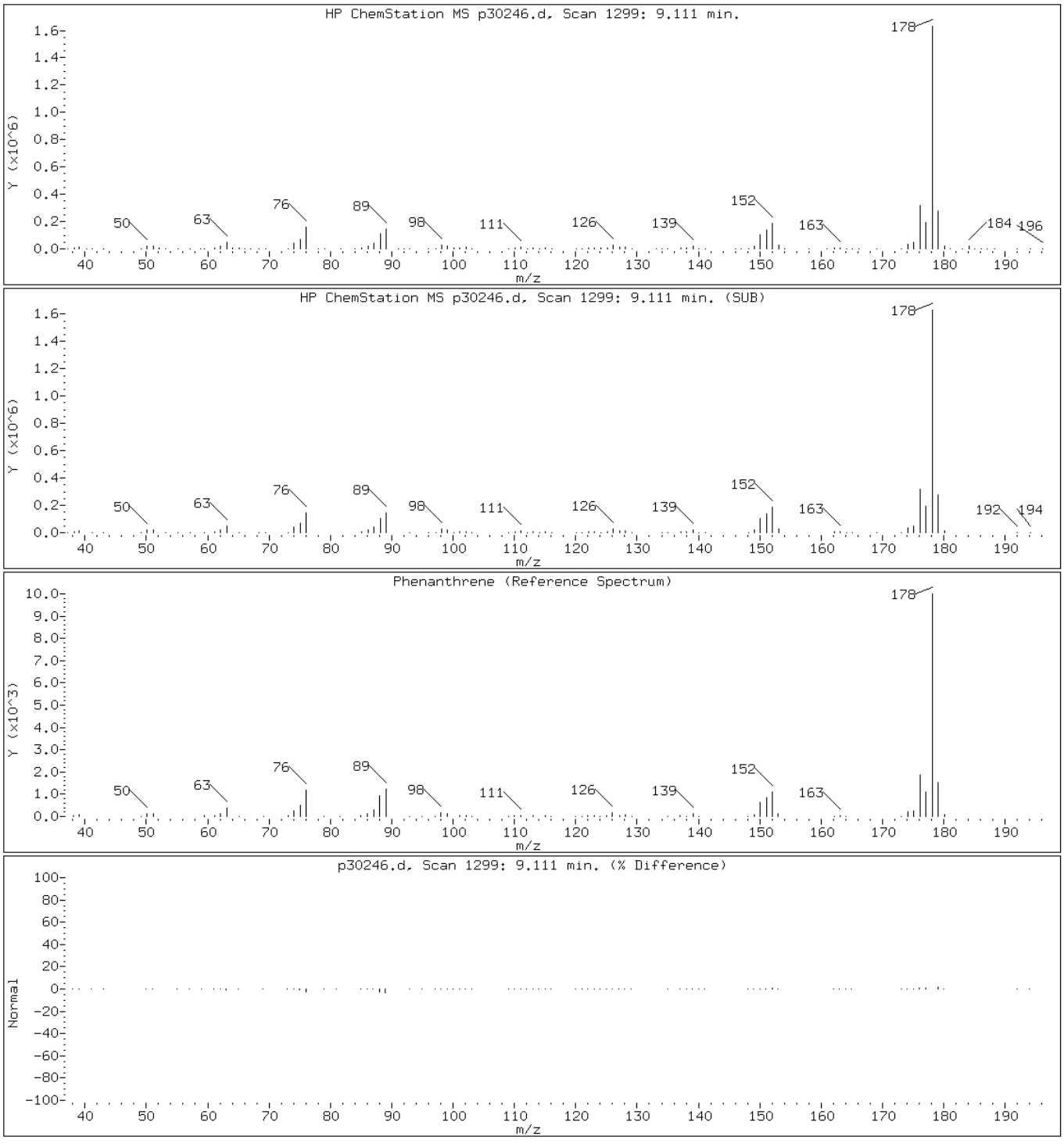
Data File: p30246.d

Date: 21-MAY-2012 18:13

Client ID: DB-6 29.5-30' Instrument: BNAMS10.i

Sample Info: 460-40258-A-11-F Operator: BNAMS 4

52 Phenanthrene



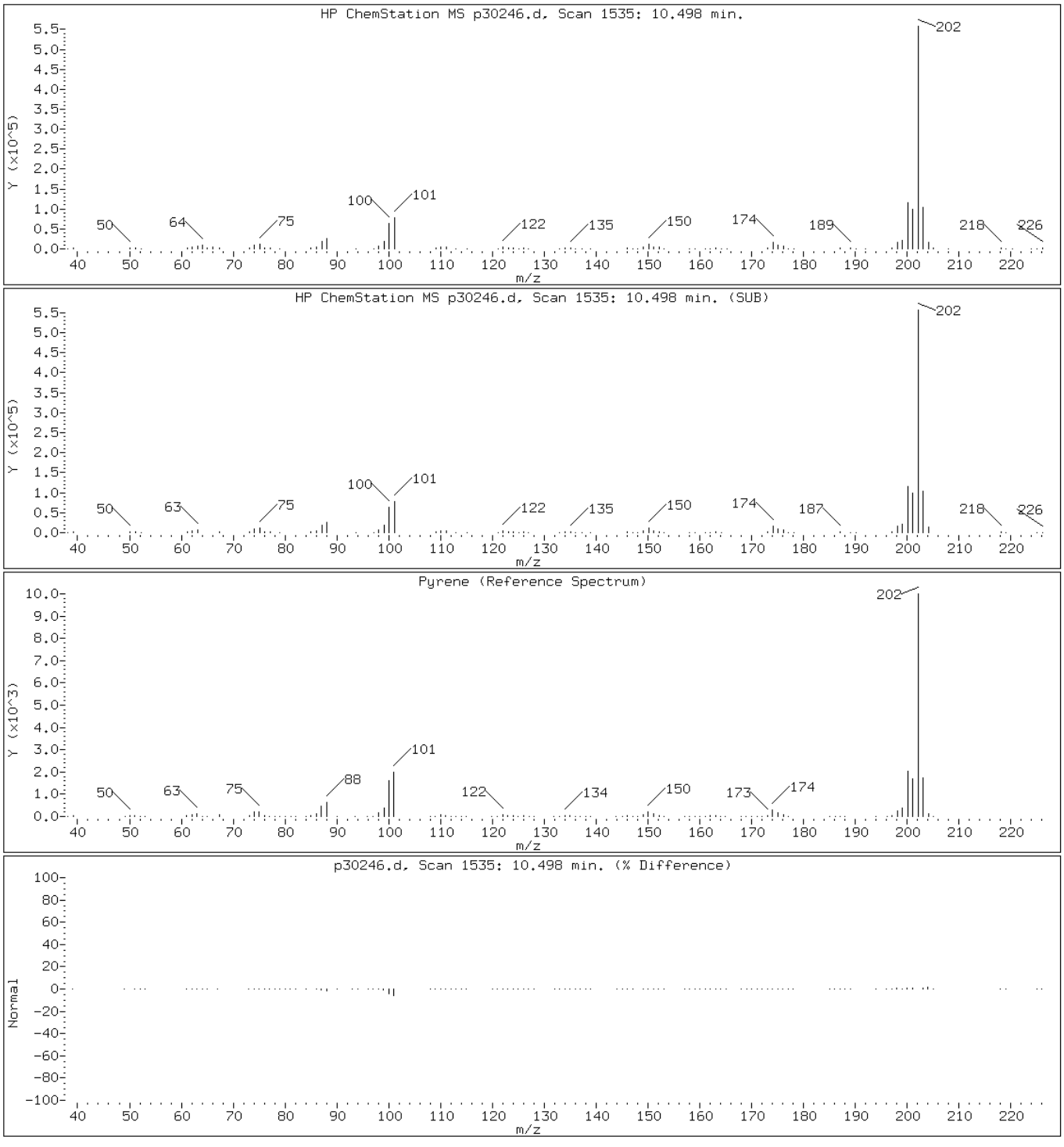
Data File: p30246.d

Date: 21-MAY-2012 18:13

Client ID: DB-6 29.5-30' Instrument: BNAMS10.i

Sample Info: 460-40258-A-11-F Operator: BNAMS 4

57 Pyrene



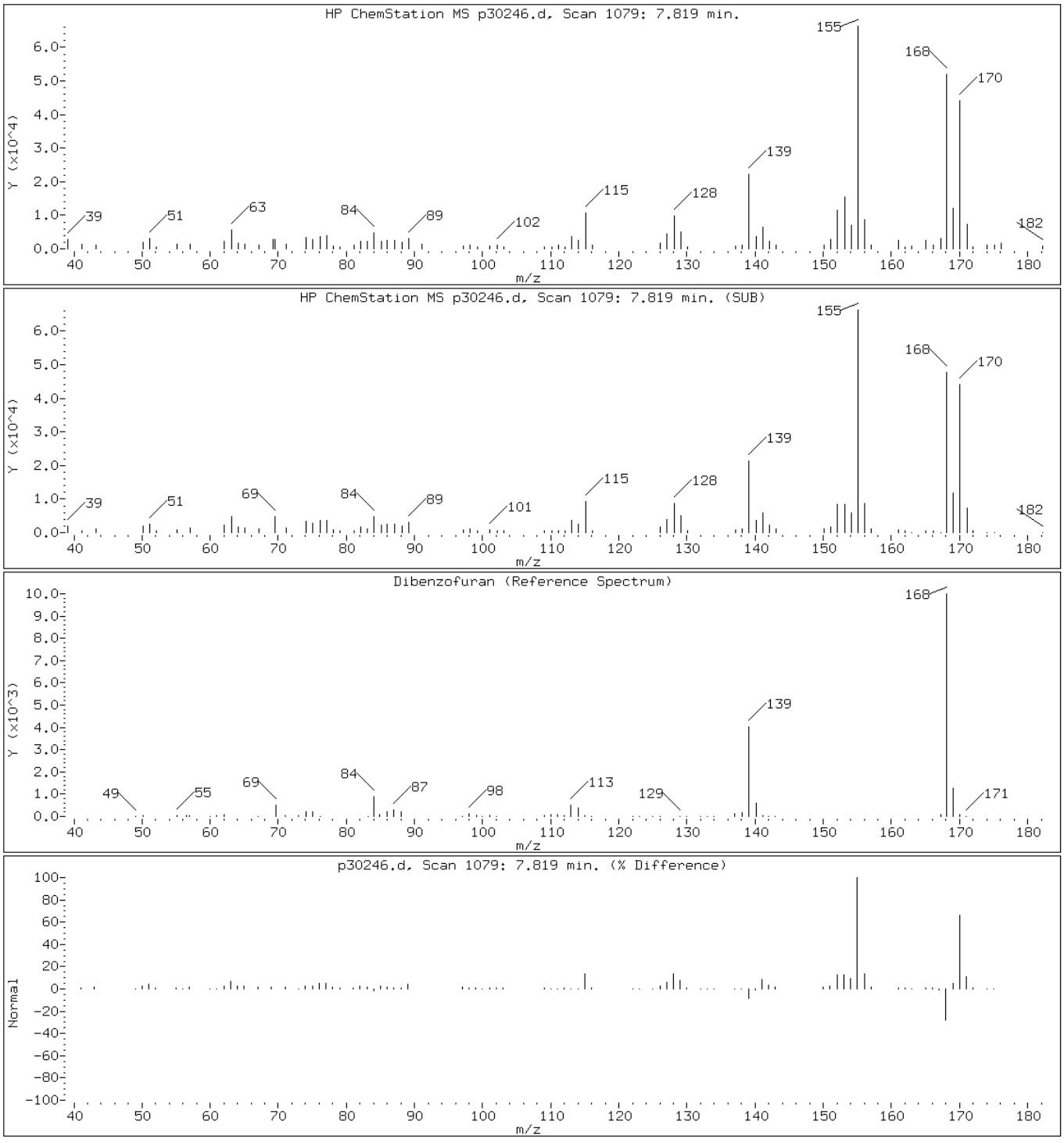
Data File: p30246.d

Date: 21-MAY-2012 18:13

Client ID: DB-6 29.5-30' Instrument: BNAMS10.i

Sample Info: 460-40258-A-11-F Operator: BNAMS 4

43 Dibenzofuran



Data File: p30246.d

Date: 21-MAY-2012 18:13

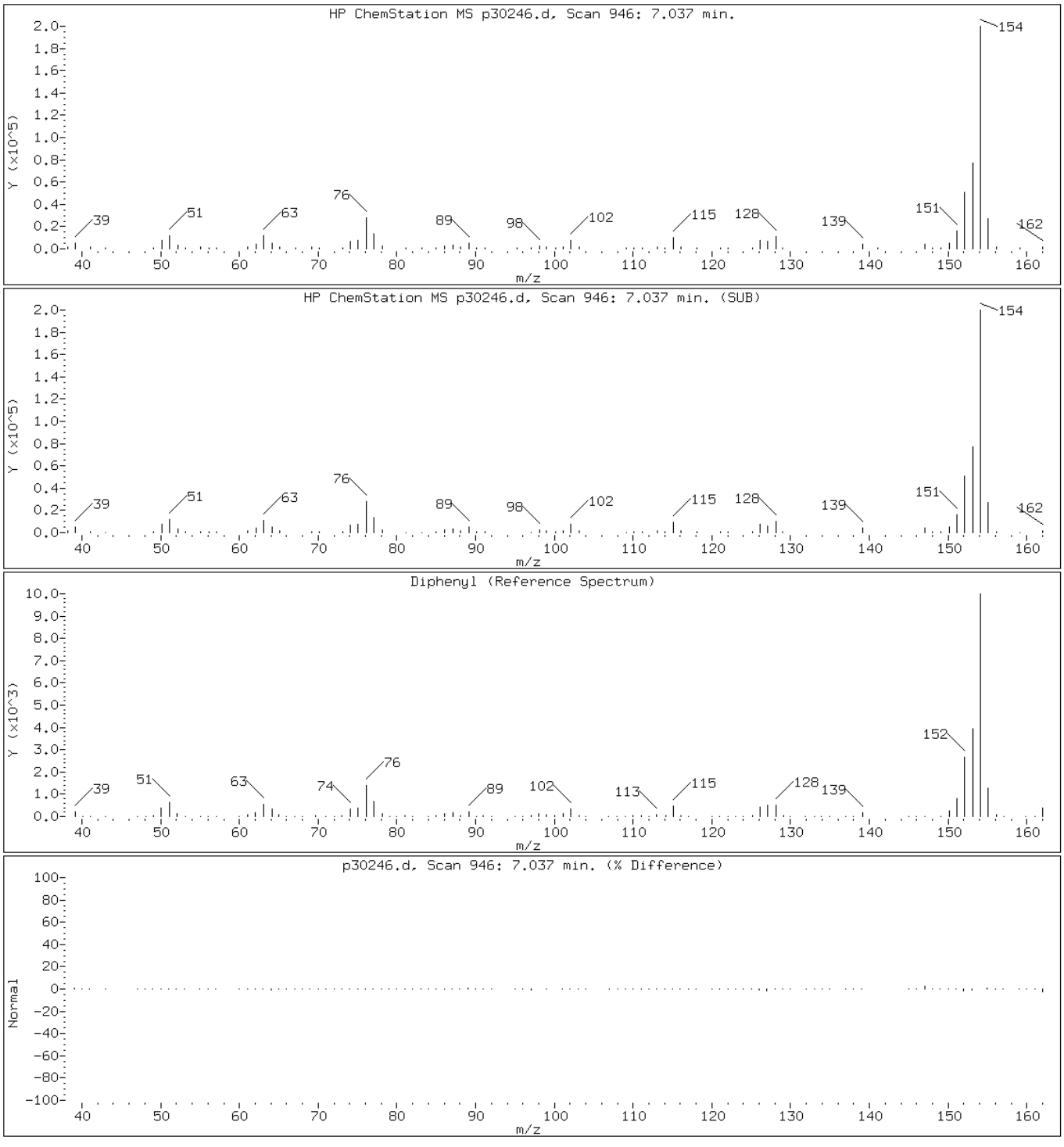
Client ID: DB-6 29.5-30'

Instrument: BNAMS10.i

Sample Info: 460-40258-A-11-F

Operator: BNAMS 4

102 Diphenyl



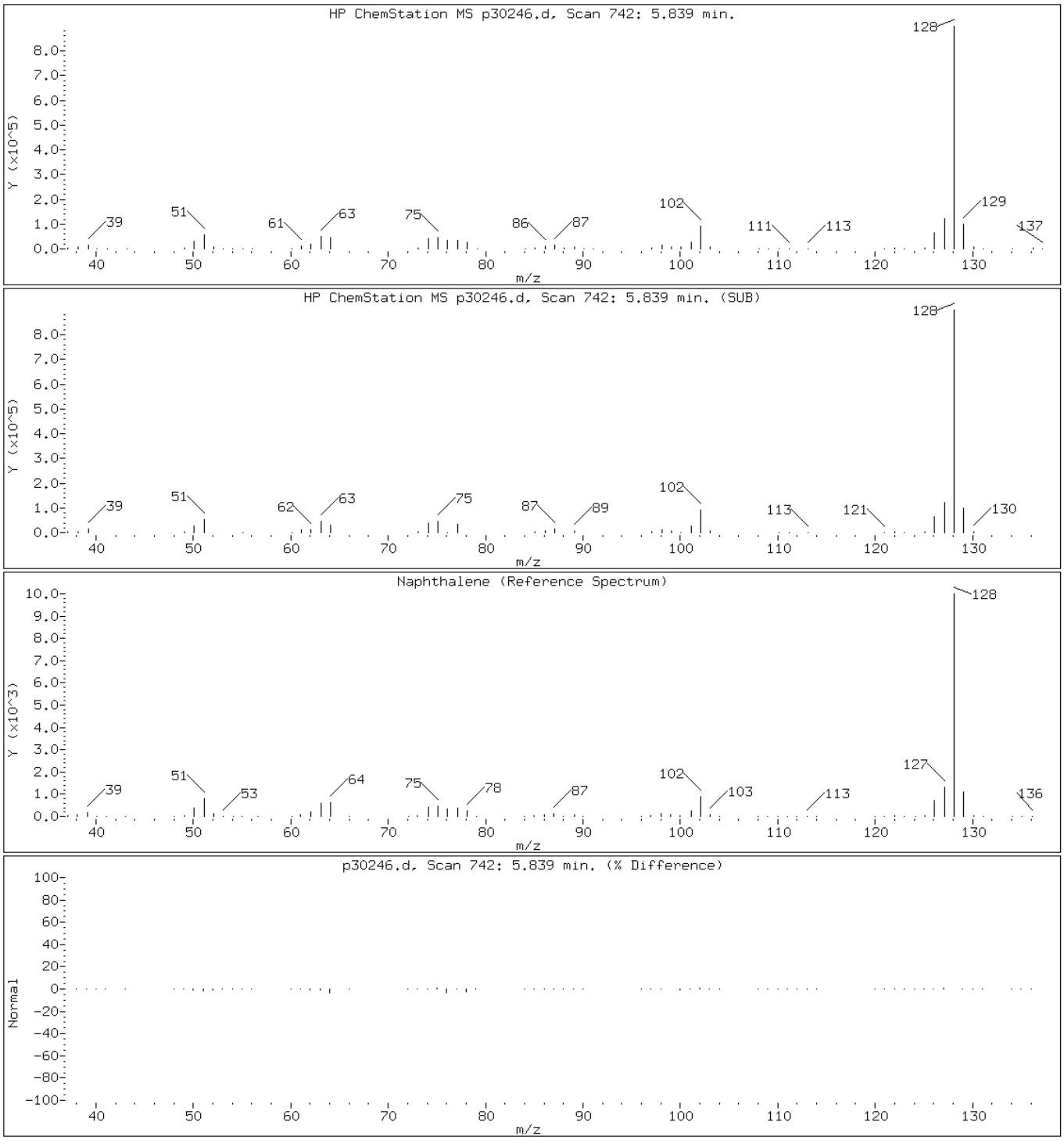
Data File: p30246.d

Date: 21-MAY-2012 18:13

Client ID: DB-6 29.5-30' Instrument: BNAMS10.i

Sample Info: 460-40258-A-11-F Operator: BNAMS 4

31 Naphthalene



Manual Integration Report

Data File: p30246.d
Inj. Date and Time: 21-MAY-2012 18:13
Instrument ID: BNAMS10.i
Client ID: DB-6 29.5-30'
Compound: 66 Benzo(k)fluoranthene
CAS #: 207-08-9
Report Date: 05/22/2012

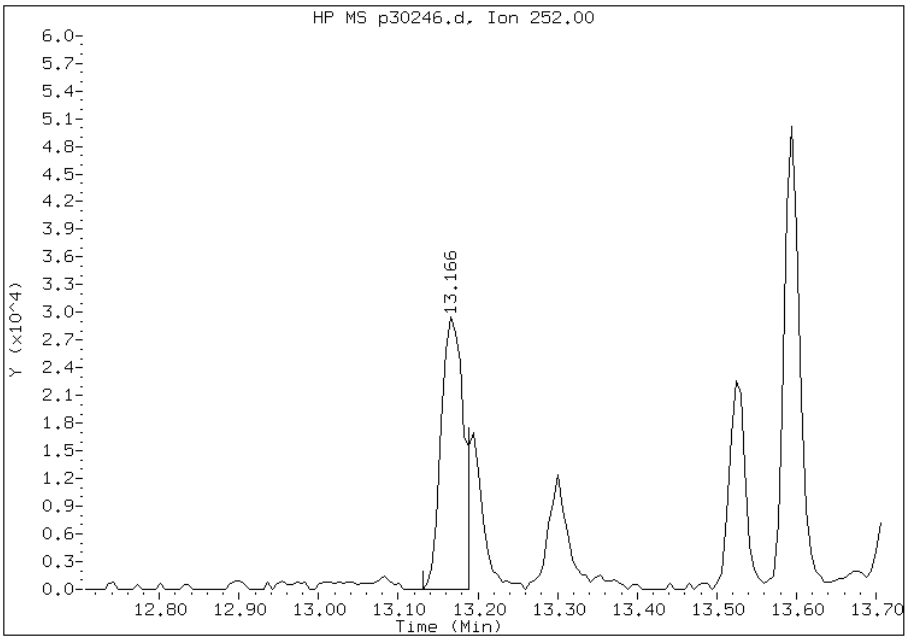
Processing Integration Results

RT: 13.17

Response: 59292

Amount: 3

Conc: 1279



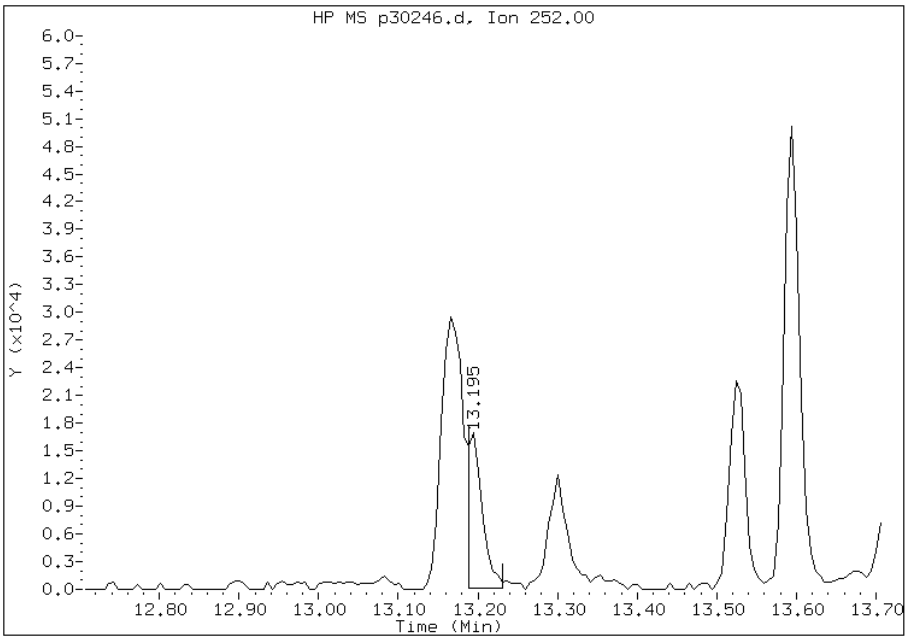
Manual Integration Results

RT: 13.19

Response: 21310

Amount: 1

Conc: 460



Manually Integrated By: rusin
Manual Integration Reason: Analyte not Identified by the Data System

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-40258-1

SDG No.:

Client Sample ID: DB-6 39.5-40' | Lab Sample ID: 460-40258-13

Matrix: Solid | Lab File ID: u76603.d

Analysis Method: 8270C | Date Collected: 05/11/2012 10:55

Extract. Method: 3541 | Date Extracted: 05/18/2012 09:13

Sample wt/vol: 15.01(g) | Date Analyzed: 05/21/2012 14:04

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 22.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 113358 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-94-3	1,2,4,5-Tetrachlorobenzene	57	U	420	57
108-60-1	2,2'-oxybis[1-chloropropane]	47	U	420	47
58-90-2	2,3,4,6-Tetrachlorophenol	55	U	420	55
86-30-6	N-Nitrosodiphenylamine	42	U	420	42
77-47-4	Hexachlorocyclopentadiene	50	U	420	50
105-67-9	2,4-Dimethylphenol	100	U	420	100
606-20-2	2,6-Dinitrotoluene	13	U	86	13
62-53-3	Aniline	120	U	420	120
121-14-2	2,4-Dinitrotoluene	14	U	86	14
117-81-7	Bis(2-ethylhexyl) phthalate	140	U	420	140
65-85-0	Benzoic acid	420	U	420	420
91-58-7	2-Chloronaphthalene	47	U	420	47
85-68-7	Butyl benzyl phthalate	39	U	420	39
95-57-8	2-Chlorophenol	56	U	420	56
84-74-2	Di-n-butyl phthalate	52	U	420	52
120-83-2	2,4-Dichlorophenol	62	U	420	62
84-66-2	Diethyl phthalate	51	U	420	51
51-28-5	2,4-Dinitrophenol	240	U	1300	240
95-48-7	2-Methylphenol	73	U	420	73
131-11-3	Dimethyl phthalate	50	U	420	50
117-84-0	Di-n-octyl phthalate	27	U	420	27
91-94-1	3,3'-Dichlorobenzidine	150	U	860	150
118-74-1	Hexachlorobenzene	5.8	U	42	5.8
78-59-1	Isophorone	52	U	420	52
91-57-6	2-Methylnaphthalene	55	U	420	55
534-52-1	4,6-Dinitro-2-methylphenol	120	U	1300	120
88-74-4	2-Nitroaniline	180	U	860	180
101-55-3	4-Bromophenyl phenyl ether	42	U	420	42
99-09-2	3-Nitroaniline	150	U	860	150
59-50-7	4-Chloro-3-methylphenol	64	U	420	64
98-95-3	Nitrobenzene	6.0	U	42	6.0
88-75-5	2-Nitrophenol	47	U	420	47
7005-72-3	4-Chlorophenyl phenyl ether	50	U	420	50
106-44-5	4-Methylphenol	84	U	420	84

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-40258-1

SDG No.:

Client Sample ID: DB-6 39.5-40' | Lab Sample ID: 460-40258-13

Matrix: Solid | Lab File ID: u76603.d

Analysis Method: 8270C | Date Collected: 05/11/2012 10:55

Extract. Method: 3541 | Date Extracted: 05/18/2012 09:13

Sample wt/vol: 15.01(g) | Date Analyzed: 05/21/2012 14:04

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 22.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 113358 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-02-7	4-Nitrophenol	270	U	1300	270
95-95-4	2,4,5-Trichlorophenol	55	U	420	55
100-01-6	4-Nitroaniline	130	U	860	130
88-06-2	2,4,6-Trichlorophenol	50	U	420	50
106-47-8	4-Chloroaniline	110	U	420	110
83-32-9	Acenaphthene	62	U	420	62
208-96-8	Acenaphthylene	50	U	420	50
98-86-2	Acetophenone	65	U	420	65
120-12-7	Anthracene	52	U	420	52
56-55-3	Benzo[a]anthracene	3.0	U	42	3.0
1912-24-9	Atrazine	66	U	420	66
50-32-8	Benzo[a]pyrene	3.0	U	42	3.0
100-52-7	Benzaldehyde	50	U	420	50
205-99-2	Benzo[b]fluoranthene	2.7	U	42	2.7
191-24-2	Benzo[g,h,i]perylene	32	U	420	32
207-08-9	Benzo[k]fluoranthene	3.2	U	42	3.2
218-01-9	Chrysene	50	U	420	50
53-70-3	Dibenz(a,h)anthracene	5.4	U	42	5.4
206-44-0	Fluoranthene	57	U	420	57
86-73-7	Fluorene	54	U	420	54
111-91-1	Bis(2-chloroethoxy)methane	55	U	420	55
193-39-5	Indeno[1,2,3-cd]pyrene	7.9	U	42	7.9
111-44-4	Bis(2-chloroethyl)ether	5.8	U	42	5.8
85-01-8	Phenanthrene	54	U	420	54
129-00-0	Pyrene	36	U	420	36
105-60-2	Caprolactam	98	U	420	98
86-74-8	Carbazole	50	U	420	50
132-64-9	Dibenzofuran	50	U	420	50
92-52-4	Diphenyl	57	U	420	57
87-68-3	Hexachlorobutadiene	10	U	86	10
67-72-1	Hexachloroethane	4.7	U	42	4.7
91-20-3	Naphthalene	150	J	420	49
621-64-7	N-Nitrosodi-n-propylamine	7.1	U	42	7.1
87-86-5	Pentachlorophenol	130	U	1300	130

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-40258-1

SDG No.:

Client Sample ID: DB-6 39.5-40' | Lab Sample ID: 460-40258-13

Matrix: Solid | Lab File ID: u76603.d

Analysis Method: 8270C | Date Collected: 05/11/2012 10:55

Extract. Method: 3541 | Date Extracted: 05/18/2012 09:13

Sample wt/vol: 15.01(g) | Date Analyzed: 05/21/2012 14:04

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 22.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 113358 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-95-2	Phenol	57	U	420	57
15831-10-4	3 & 4 Methylphenol	73	U	420	73

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	70		38-105
4165-62-2	Phenol-d5	79		41-118
1718-51-0	Terphenyl-d14	103		16-151
367-12-4	2-Fluorophenol	79		37-125
118-79-6	2,4,6-Tribromophenol	65		10-120
321-60-8	2-Fluorobiphenyl	77		40-109

Data File: /chem/BNAMS4.i/8270T/05-18-12/21may12a.b/u76603.d
Report Date: 22-May-2012 00:23

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS4.i/8270T/05-18-12/21may12a.b/u76603.d
Lab Smp Id: 460-40258-C-13-A Client Smp ID: DB-6 39.5-40'
Inj Date : 21-MAY-2012 14:04
Operator : BNAMS 4 Inst ID: BNAMS4.i
Smp Info : 460-40258-C-13-A
Misc Info : 460-40258-C-13-A
Comment   :
Method   : /chem/BNAMS4.i/8270T/05-18-12/21may12a.b/8270C_11.m
Meth Date : 21-May-2012 10:00 czhao Quant Type: ISTD
Cal Date : 18-MAY-2012 14:04 Cal File: u76543.d
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * Uf*1000*Vt/(Ws*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.01000	Weight of sample extracted (g)
M	22.33677	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)
$ 16 2-Fluorophenol (SUR)	112	3.085	3.069	(0.705)	211064	78.5908	6700
$ 17 Phenol-d5 (SUR)	99	4.002	4.014	(0.915)	295395	79.2985	6800
* 79 1,4-Dichlorobenzene-d4	152	4.375	4.378	(1.000)	73008	40.0000	
$ 76 Nitrobenzene-d5 (SUR)	82	4.931	4.946	(0.870)	170990	35.2139	3000
* 80 Naphthalene-d8	136	5.667	5.672	(1.000)	260382	40.0000	
31 Naphthalene	128	5.689	5.695	(1.004)	11181	1.78512	150(a)
34 2-Methylnaphthalene	142	6.387	6.395	(1.127)	2274	0.54457	47(a)
120 1-Methylnaphthalene	142	6.490	6.491	(1.145)	4074	0.87265	75(a)
$ 77 2-Fluorobiphenyl (SUR)	172	6.762	6.766	(0.909)	232981	38.6845	3300
125 1,3-Dimethylnaphthalene	156	7.090	7.106	(0.954)	1858	0.46509	40(a)
* 82 Acenaphthene-d10	164	7.435	7.445	(1.000)	190345	40.0000	
$ 18 2,4,6-Tribromophenol (SUR)	330	8.224	8.225	(1.106)	79977	64.7533	5600
* 83 Phenanthrene-d10	188	8.912	8.919	(1.000)	340527	40.0000	

Data File: /chem/BNAMS4.i/8270T/05-18-12/21may12a.b/u76603.d
Report Date: 22-May-2012 00:23

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
$ 78 Terphenyl-d14	244	10.490	10.492	(0.897)	220750	51.4502	4400
* 81 Chrysene-d12	240	11.697	11.711	(1.000)	186534	40.0000	
* 84 Perylene-d12	264	13.633	13.640	(1.000)	152134	40.0000	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: u76603.d

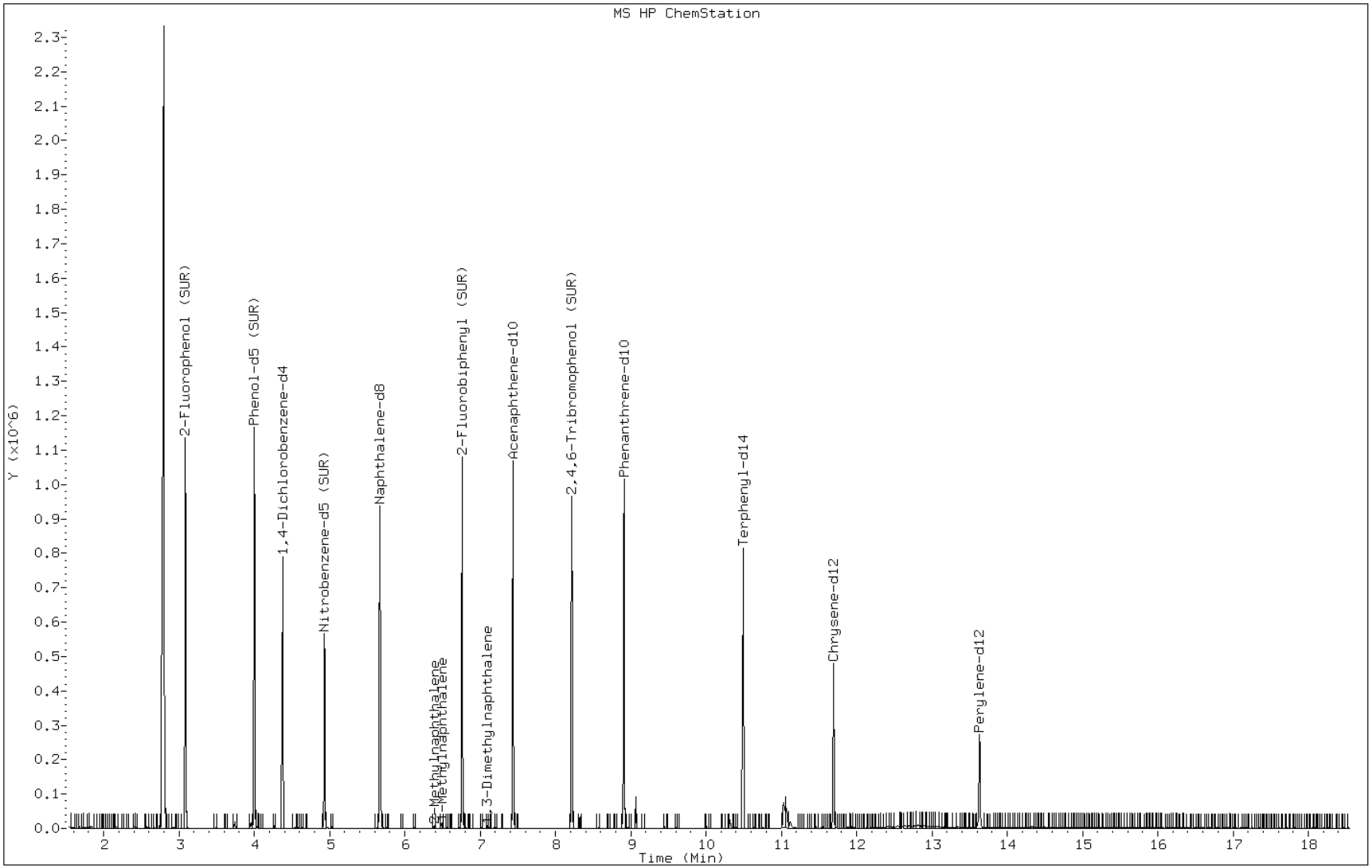
Date: 21-MAY-2012 14:04

Client ID: DB-6 39.5-40'

Instrument: BNAMS4.i

Sample Info: 460-40258-C-13-A

Operator: BNAMS 4



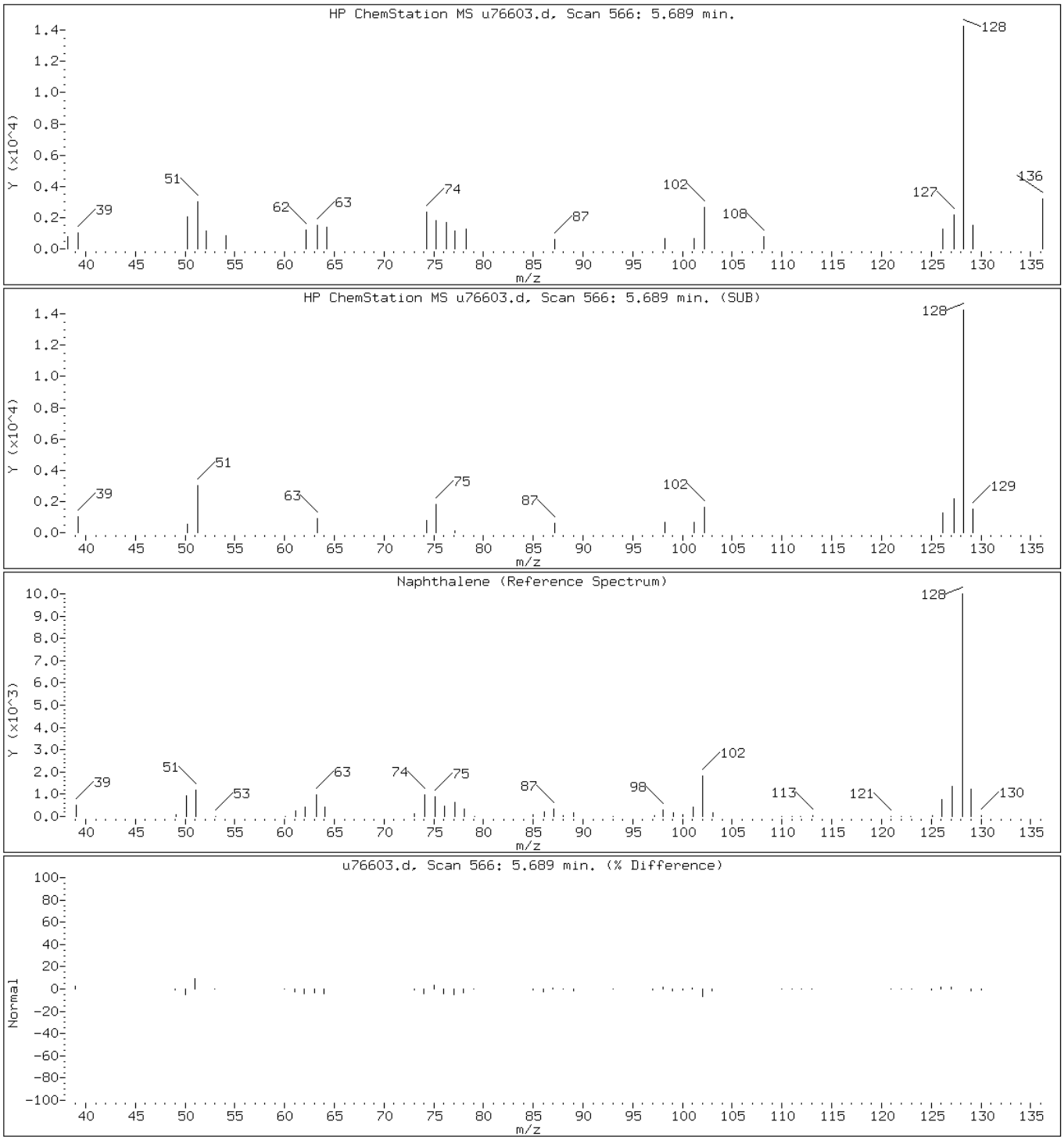
Data File: u76603.d

Date: 21-MAY-2012 14:04

Client ID: DB-6 39.5-40' Instrument: BNAMS4.i

Sample Info: 460-40258-C-13-A Operator: BNAMS 4

31 Naphthalene



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

Lab Name: TestAmerica Edison Job No.: 460-40258-1 Analy Batch No.: 112943

SDG No.:

Instrument ID: BNAMS10 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/16/2012 13:38 Calibration End Date: 05/16/2012 15:59 Calibration ID: 15588

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-112943/4	p30116.d
Level 2	IC 460-112943/7	p30119.d
Level 3	IC 460-112943/6	p30118.d
Level 4	ICIS 460-112943/2	p30114.d
Level 5	IC 460-112943/5	p30117.d
Level 6	IC 460-112943/3	p30115.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
1-Naphthylamine	0 0	0	0	0	0	Ave								30.0			
2-Naphthylamine	0 0	0	0	0	0	Ave								15.0			
o-Toluidine	0 0	0	0	0	0	Ave								15.0			
1,4-Dioxane	0.5755 0.5850	0.5757	0.5336	0.5347	0.5493	Ave		0.5589				4.0		15.0			
2,3,7,8-TCDD (Screen)	+++++ +++++	+++++	+++++	0.1679	+++++	Ave		0.1679						15.0			
N-Nitrosodimethylamine	0.8217 0.9063	0.8342	0.8261	0.8259	0.8138	Ave		0.8380				4.1		15.0			
Pyridine	1.4442 1.5595	1.5188	1.4269	1.4118	1.3668	Ave		1.4547				4.9		15.0			
Benzaldehyde	0.9207 +++++	0.6106	0.6821	0.4495	0.2835	Ave		0.5893				40.9	*	15.0			
Phenol	1.9069 1.6142	1.8879	1.8980	1.6892	1.6117	Ave		1.7680				8.2		30.0			
Aniline	2.0784 1.6041	2.0666	2.0466	1.9614	1.7860	Ave		1.9238				9.9		15.0			
Bis(2-chloroethyl)ether	1.7089 1.7336	1.4034	1.3677	1.3607	1.3411	Ave		1.4859				12.4		15.0			
2-Chlorophenol	1.4636 1.2487	1.4810	1.4440	1.3159	1.3022	Ave		1.3759				7.2		15.0			
Decane	1.2561 1.0553	1.2516	1.1941	1.1697	1.0674	Ave		1.1657				7.5		15.0			
1,3-Dichlorobenzene	1.6762 1.3826	1.7103	1.5932	1.5464	1.4151	Ave		1.5540				8.6		15.0			
1,4-Dichlorobenzene	1.7003 1.3240	1.6684	1.5981	1.5410	1.3944	Ave		1.5377				9.8		30.0			

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 Edison Job No.: 460-40258-1 Analy Batch No.: 112943

SDG No.:

Instrument ID: BNAMS10 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/16/2012 13:38 Calibration End Date: 05/16/2012 15:59 Calibration ID: 15588

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Benzyl alcohol	0.7825 0.8500	0.7885	0.8437	0.7582	0.8427	Ave		0.8109				4.8		15.0			
1,2-Dichlorobenzene	1.5854 1.2473	1.5687	1.5049	1.4461	1.3035	Ave		1.4427				9.7		15.0			
2-Methylphenol	1.2343 1.0710	1.2556	1.2740	1.1715	1.1165	Ave		1.1871				6.9		15.0			
2,2'-oxybis[1-chloropropane]	1.4517 1.2194	1.3984	1.3741	1.3316	1.2263	Ave		1.3336				7.1		15.0			
Acetophenone	1.9191 1.5703	1.8641	1.7958	1.6878	1.5599	Ave		1.7328				8.7		15.0			
3 & 4 Methylphenol	1.4174 1.0586	1.3912	1.3582	1.0715	1.0820	Ave		1.2298				14.3		15.0			
4-Methylphenol	1.3752 1.0586	1.3622	1.3582	1.0770	1.0837	Ave		1.2191				13.1		15.0			
N-Nitrosodi-n-propylamine	0.8818 0.8595	0.9215	0.9278	0.7956	0.8552	Ave		0.8736			0.0500	5.6		15.0			
Hexachloroethane	0.6403 0.5593	0.6284	0.6095	0.6019	0.5607	Ave		0.6000				5.6		15.0			
Nitrobenzene	0.7125 0.4806	0.6076	0.5907	0.5582	0.4984	Ave		0.5747				14.6		15.0			
n,n'-Dimethylaniline	1.9842 1.6333	2.0284	1.9646	1.8277	1.6672	Ave		1.8509				9.2		15.0			
Isophorone	0.7450 0.6737	0.7326	0.7133	0.6954	0.6469	Ave		0.7011				5.3		15.0			
2-Nitrophenol	0.2158 0.2105	0.2266	0.2289	0.2201	0.2165	Ave		0.2197				3.2		30.0			
2,4-Dimethylphenol	0.3659 0.3065	0.3709	0.3728	0.3133	0.3270	Ave		0.3427				8.9		15.0			
Bis(2-chloroethoxy)methane	0.4425 0.3977	0.4372	0.4352	0.4283	0.4013	Ave		0.4237				4.6		15.0			
Benzoic acid	0.1577 0.1991	0.2059	0.2491	0.1769	0.2225	Ave		0.2019				16.1	*	15.0			
2,4-Dichlorophenol	0.3308 0.2649	0.3253	0.3299	0.2983	0.2876	Ave		0.3061				8.8		30.0			
1,2,4-Trichlorobenzene	0.4166 0.3341	0.3761	0.3668	0.3553	0.3317	Ave		0.3634				8.6		15.0			
Naphthalene	1.2141 0.7801	1.1944	1.1193	1.0021	0.8522	QuaF		0.7520	0.2290						0.9991		0.9900
4-Chloroaniline	0.4250 0.3697	0.4289	0.4365	0.3851	0.3798	Ave		0.4042				7.2		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 CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-40258-1 Analy Batch No.: 112943

SDG No.:

Instrument ID: BNAMS10 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/16/2012 13:38 Calibration End Date: 05/16/2012 15:59 Calibration ID: 15588

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Hexachlorobutadiene	0.2273 0.1790	0.2050	0.2001	0.1907	0.1799	Ave		0.1970				9.2		30.0			
Caprolactam	0.0828 0.0890	0.0904	0.1001	0.0985	0.0906	Ave		0.0919				7.0		15.0			
4-Chloro-3-methylphenol	0.3282 0.2676	0.3311	0.3385	0.2974	0.2768	Ave		0.3066				9.9		30.0			
2-Methylnaphthalene	0.7254 0.5697	0.7330	0.7201	0.6670	0.6029	Ave		0.6697				10.4		15.0			
1-Methylnaphthalene	0.7659 0.5686	0.7377	0.7409	0.6874	0.6099	Ave		0.6851				11.6		15.0			
Hexachlorocyclopentadiene	0.3711 0.3800	0.3271	0.3366	0.3708	0.3812	Ave		0.3611			0.0500	6.4		15.0			
1,2,4,5-Tetrachlorobenzene	0.6251 0.5247	0.6264	0.6187	0.5937	0.5904	Ave		0.5965				6.5		30.0			
2-tertbutyl-4-methylphenol	0.5324 0.4151	0.5063	0.5100	0.4417	0.4038	Ave		0.4682				11.7		15.0			
2,4,6-Trichlorophenol	0.3916 0.4002	0.3704	0.3847	0.3565	0.4040	Ave		0.3846				4.7		30.0			
2,4,5-Trichlorophenol	0.3846 0.3537	0.4029	0.3849	0.3561	0.3713	Ave		0.3756				5.0		15.0			
Diphenyl	1.6969 1.2023	1.6512	1.5298	1.4941	1.3023	Ave		1.4794				13.1		15.0			
2-Chloronaphthalene	1.2393 1.0291	1.2234	1.1639	1.1600	1.0740	Ave		1.1483				7.2		15.0			
Diphenyl ether	0.8766 0.7771	0.8915	0.8439	0.8546	0.8049	Ave		0.8414				5.2		15.0			
2-Nitroaniline	0.3658 0.2962	0.4134	0.4057	0.4126	0.3297	Ave		0.3706				13.3		15.0			
Dimethylnaphthalene, total	1.0734 0.9008	1.0538	1.0285	1.0358	0.9385	Ave		1.0051				6.9		15.0			
Dimethyl phthalate	1.2112 1.0201	1.1653	1.1339	1.1187	1.0357	Ave		1.1141				6.6		15.0			
Coumarin	0.1985 0.1832	0.1975	0.2117	0.1969	0.1787	Ave		0.1944				6.1		15.0			
2,6-Dinitrotoluene	0.2501 0.2737	0.2775	0.2761	0.2723	0.2672	Ave		0.2695				3.8		15.0			
Acenaphthylene	1.9892 1.4036	1.8889	1.7806	1.6978	1.5412	Ave		1.7169				12.7		15.0			
3-Nitroaniline	0.2808 0.2542	0.2746	0.2758	0.2657	0.2627	Ave		0.2690				3.7		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 Edison Job No.: 460-40258-1 Analy Batch No.: 112943

SDG No.:

Instrument ID: BNAMS10 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/16/2012 13:38 Calibration End Date: 05/16/2012 15:59 Calibration ID: 15588

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
3,5-di-tert-butyl-4-hydroxytol	1.0970 0.8270	1.0542	1.0548	0.9595	0.8508	Ave		0.9739				11.7		15.0			
Acenaphthene	1.1525 0.8765	1.1307	1.0857	1.0218	0.9362	Ave		1.0339				10.6		30.0			
2,4-Dinitrophenol	0.0977 0.1558	0.1076	0.1351	0.1619	0.1581	QuaF		6.8403	-1.073		0.0500				0.9943		0.9900
4-Nitrophenol	0.1806 0.1751	0.1731	0.1840	0.1881	0.1737	Ave		0.1791			0.0500	3.4		15.0			
2,4-Dinitrotoluene	0.3248 0.3033	0.3230	0.3188	0.3268	0.3156	Ave		0.3187				2.7		15.0			
Dibenzofuran	1.6092 1.2124	1.5949	1.5248	1.4370	1.3026	Ave		1.4468				11.2		15.0			
2,3,4,6-Tetrachlorophenol	0.2445 0.2400	0.2487	0.2498	0.2359	0.2430	Ave		0.2436				2.2		30.0			
Diethyl phthalate	1.1166 0.9759	1.1183	1.0954	1.0763	0.9925	Ave		1.0625				5.9		15.0			
Fluorene	1.2696 0.9541	1.2593	1.1893	1.1334	1.0238	Ave		1.1382				11.2		15.0			
4-Chlorophenyl phenyl ether	0.5917 0.4743	0.5834	0.5662	0.5454	0.5008	Ave		0.5436				8.7		15.0			
4-Nitroaniline	0.2456 0.2136	0.2563	0.2616	0.2598	0.2496	Ave		0.2478				7.2		15.0			
4,6-Dinitro-2-methylphenol	0.1172 0.1559	0.1264	0.1432	0.1536	0.1444	Ave		0.1401				10.9		15.0			
N-Nitrosodiphenylamine	0.6256 0.5971	0.6068	0.6379	0.5962	0.6074	Ave		0.6118				2.7		30.0			
1,2-Diphenylhydrazine	0.9394 0.9317	1.1355	1.1203	1.0385	0.9631	Ave		1.0214				8.9		15.0			
4-Bromophenyl phenyl ether	0.2333 0.2443	0.2487	0.2393	0.2400	0.2305	Ave		0.2394				2.8		15.0			
Hexachlorobenzene	0.2586 0.2537	0.2577	0.2598	0.2498	0.2427	Ave		0.2537				2.6		15.0			
Atrazine	0.2088 0.2112	0.2116	0.2125	0.2108	0.2056	Ave		0.2101				1.2		15.0			
Pentachlorophenol	0.1365 0.1570	0.1427	0.1500	0.1478	0.1554	Ave		0.1482				5.2		30.0			
Pentachloronitrobenzene	0.1029 0.0933	0.0994	0.1020	0.0976	0.0999	Ave		0.0992				3.5					
n-Octadecane	0.5336 0.4954	0.5303	0.5429	0.5394	0.4877	Ave		0.5215				4.6		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 Edison Job No.: 460-40258-1 Analy Batch No.: 112943

SDG No.:

Instrument ID: BNAMS10 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/16/2012 13:38 Calibration End Date: 05/16/2012 15:59 Calibration ID: 15588

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Phenanthrene	1.1773 0.9662	1.1862	1.1257	1.0849	0.9340	Ave		1.0791				9.9		15.0			
Anthracene	1.1777 0.9454	1.1733	1.1494	1.0834	0.9979	Ave		1.0878				9.0		15.0			
Carbazole	0.9316 0.7798	0.9467	0.9179	0.8530	0.7941	Ave		0.8705				8.3		15.0			
Di-n-butyl phthalate	1.1172 0.9596	1.1681	1.1530	1.0958	1.0043	Ave		1.0830				7.7		15.0			
Fluoranthene	0.9693 0.8022	0.9675	0.9302	0.9219	0.8403	Ave		0.9052				7.6		30.0			
Benzidine	0.1580 +++++	0.2999	0.2297	0.0844	0.0437	Ave		0.1632				64.0	*	15.0			
Pyrene	1.7643 1.6539	1.7681	1.7643	1.7100	1.6155	Ave		1.7127				3.8		15.0			
Butyl benzyl phthalate	0.6855 0.7778	0.6998	0.7203	0.7362	0.7245	Ave		0.7240				4.4		15.0			
Carbamazepine	0.3559 0.5344	0.4161	0.4703	0.5237	0.5240	QuaF		2.0044	-0.085						0.9997		0.9900
3,3'-Dichlorobenzidine	0.3886 0.2872	0.3800	0.3769	0.3208	0.3107	Ave		0.3440				12.5		15.0			
Benzo[a]anthracene	1.3480 1.1661	1.1759	1.1505	1.1711	1.1495	Ave		1.1935				6.4		15.0			
Chrysene	1.1252 1.0035	1.1420	1.0925	1.0878	1.0368	Ave		1.0813				4.9		15.0			
Bis(2-ethylhexyl) phthalate	0.8852 0.9622	0.9066	0.9316	0.9295	0.9492	Ave		0.9274				3.0		15.0			
Di-n-octyl phthalate	1.6240 2.0950	1.7346	1.8844	1.9770	1.9290	Ave		1.8740				9.1		30.0			
Benzo[b]fluoranthene	1.1195 1.3960	1.2999	1.3025	1.3722	1.3757	Ave		1.3110				7.8		15.0			
Benzo[k]fluoranthene	1.1474 1.4155	1.3226	1.3984	1.3803	1.3187	Ave		1.3305				7.4		15.0			
Benzo[a]pyrene	0.8841 1.1393	1.0458	1.0513	1.1185	1.0671	Ave		1.0510				8.6		30.0			
Indeno[1,2,3-cd]pyrene	0.7273 1.1462	0.9141	0.8856	1.0516	1.0495	QuaF		1.0535	-0.052						0.9994		0.9900
Dibenz(a,h)anthracene	0.7002 1.0810	0.9131	0.9091	1.0310	1.0022	Ave		0.9394				14.4		15.0			
Benzo[g,h,i]perylene	0.8588 1.0880	0.9586	0.9392	1.0230	0.9935	Ave		0.9769				8.0		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 Edison Job No.: 460-40258-1 Analy Batch No.: 112943

SDG No.:

Instrument ID: BNAMS10 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/16/2012 13:38 Calibration End Date: 05/16/2012 15:59 Calibration ID: 15588

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
2-Fluorophenol	1.3945 1.4049	1.4063	1.4105	1.3316	1.2719	Ave		1.3699				4.1		15.0			
Phenol-d5	1.7266 1.5541	1.7072	1.6973	1.5847	1.5228	Ave		1.6321				5.4		15.0			
Nitrobenzene-d5	0.4579 0.4180	0.4584	0.4508	0.4456	0.4239	Ave		0.4424				3.9		15.0			
2-Fluorobiphenyl	1.4894 1.2141	1.4583	1.3890	1.3816	1.2740	Ave		1.3677				7.7		15.0			
2,4,6-Tribromophenol	0.1501 0.1527	0.1487	0.1542	0.1388	0.1516	Ave		0.1493				3.7		15.0			
Terphenyl-d14	1.1324 1.1541	1.1702	1.1873	1.1496	1.1060	Ave		1.1499				2.5		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 Edison Job No.: 460-40258-1 Analy Batch No.: 112943

SDG No.:

Instrument ID: BNAMS10 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/16/2012 13:38 Calibration End Date: 05/16/2012 15:59 Calibration ID: 15588

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-112943/4	p30116.d
Level 2	IC 460-112943/7	p30119.d
Level 3	IC 460-112943/6	p30118.d
Level 4	ICIS 460-112943/2	p30114.d
Level 5	IC 460-112943/5	p30117.d
Level 6	IC 460-112943/3	p30115.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
1-Naphthylamine	ANT	Ave	0 0	0	0	0	0	5.00 120	10.0	20.0	50.0	80.0
2-Naphthylamine	ANT	Ave	0 0	0	0	0	0	5.00 120	10.0	20.0	50.0	80.0
o-Toluidine	DCB	Ave	0 0	0	0	0	0	5.00 120	10.0	20.0	50.0	80.0
1,4-Dioxane	DCB	Ave	51666 1498720	101426	223420	498239	905770	5.00 120	10.0	20.0	50.0	80.0
2,3,7,8-TCDD (Screen)	CRY	Ave	+++++ +++++	+++++	+++++	1627	+++++	+++++ +++++	+++++	+++++	0.500	+++++
N-Nitrosodimethylamine	DCB	Ave	73778 2321881	146958	345905	769577	1341995	5.00 120	10.0	20.0	50.0	80.0
Pyridine	DCB	Ave	129667 3995644	267568	597479	1315529	2253917	5.00 120	10.0	20.0	50.0	80.0
Benzaldehyde	DCB	Ave	82664 +++++	107566	285622	418820	467434	5.00 +++++	10.0	20.0	50.0	80.0
Phenol	DCB	Ave	171205 4135665	332600	794747	1574039	2657780	5.00 120	10.0	20.0	50.0	80.0
Aniline	DCB	Ave	186608 4109804	364076	856981	1827589	2945087	5.00 120	10.0	20.0	50.0	80.0
Bis(2-chloroethyl)ether	DCB	Ave	15343 4441548	247237	572704	1267895	2211558	0.500 120	10.0	20.0	50.0	80.0
2-Chlorophenol	DCB	Ave	131408 3199134	260905	604666	1226165	2147319	5.00 120	10.0	20.0	50.0	80.0
Decane	DCB	Ave	112777 2703605	220496	500003	1089914	1760125	5.00 120	10.0	20.0	50.0	80.0
1,3-Dichlorobenzene	DCB	Ave	150496 3542285	301308	667109	1440898	2333517	5.00 120	10.0	20.0	50.0	80.0
1,4-Dichlorobenzene	DCB	Ave	152656 3392203	293928	669193	1435886	2299462	5.00 120	10.0	20.0	50.0	80.0
Benzyl alcohol	DCB	Ave	70252 2177705	138908	353286	706459	1389557	5.00 120	10.0	20.0	50.0	80.0

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

Lab Name: TestAmerica Edison Job No.: 460-40258-1 Analy Batch No.: 112943

SDG No.:

Instrument ID: BNAMS10 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/16/2012 13:38 Calibration End Date: 05/16/2012 15:59 Calibration ID: 15588

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
1,2-Dichlorobenzene	DCB	Ave	142346 3195644	276355	630159	1347457	2149519	5.00 120	10.0	20.0	50.0	80.0
2-Methylphenol	DCB	Ave	110823 2743922	221196	533472	1091587	1841123	5.00 120	10.0	20.0	50.0	80.0
2,2'-oxybis[1-chloropropane]	DCB	Ave	130342 3124237	246368	575379	1240768	2022268	5.00 120	10.0	20.0	50.0	80.0
Acetophenone	DCB	Ave	172305 4023228	328411	751940	1572681	2572370	5.00 120	10.0	20.0	50.0	80.0
3 & 4 Methylphenol	DCB	Ave	127255 2712149	245094	568709	998437	1784271	5.00 120	10.0	20.0	50.0	80.0
4-Methylphenol	DCB	Ave	123470 2712149	239987	568709	1003509	1787024	5.00 120	10.0	20.0	50.0	80.0
N-Nitrosodi-n-propylamine	DCB	Ave	7917 2202075	162346	388517	741341	1410263	0.500 120	10.0	20.0	50.0	80.0
Hexachloroethane	DCB	Ave	5749 1432908	110705	255218	560880	924688	0.500 120	10.0	20.0	50.0	80.0
Nitrobenzene	NPT	Ave	20612 3916245	341878	804387	1666121	2627621	0.500 120	10.0	20.0	50.0	80.0
n,n'-Dimethylaniline	DCB	Ave	17815 4184542	357347	822631	1703078	2749238	0.500 120	10.0	20.0	50.0	80.0
Isophorone	NPT	Ave	215512 5489692	412180	971300	2075419	3410257	5.00 120	10.0	20.0	50.0	80.0
2-Nitrophenol	NPT	Ave	62427 1715001	127475	311672	657057	1141196	5.00 120	10.0	20.0	50.0	80.0
2,4-Dimethylphenol	NPT	Ave	105843 2497356	208695	507689	935070	1723823	5.00 120	10.0	20.0	50.0	80.0
Bis(2-chloroethoxy)methane	NPT	Ave	128020 3241121	245979	592666	1278351	2115715	5.00 120	10.0	20.0	50.0	80.0
Benzoic acid	NPT	Ave	45615 1622816	115845	339238	528050	1173061	5.00 120	10.0	20.0	50.0	80.0
2,4-Dichlorophenol	NPT	Ave	95696 2158898	183025	449261	890215	1516391	5.00 120	10.0	20.0	50.0	80.0
1,2,4-Trichlorobenzene	NPT	Ave	12052 2722171	211631	499533	1060398	1748895	0.500 120	10.0	20.0	50.0	80.0
Naphthalene	NPT	QuaF	351226 6356548	672063	1524200	2990837	4493069	5.00 120	10.0	20.0	50.0	80.0
4-Chloroaniline	NPT	Ave	122953 3012442	241305	594446	1149383	2002393	5.00 120	10.0	20.0	50.0	80.0
Hexachlorobutadiene	NPT	Ave	13148 1458880	115328	272517	569201	948387	1.00 120	10.0	20.0	50.0	80.0
Caprolactam	NPT	Ave	23963 725193	50842	136312	293886	477794	5.00 120	10.0	20.0	50.0	80.0

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

Lab Name: TestAmerica Edison Job No.: 460-40258-1 Analy Batch No.: 112943

SDG No.:

Instrument ID: BNAMS10 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/16/2012 13:38 Calibration End Date: 05/16/2012 15:59 Calibration ID: 15588

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
4-Chloro-3-methylphenol	NPT	Ave	94933 2180562	186307	460926	887763	1459126	5.00 120	10.0	20.0	50.0	80.0
2-Methylnaphthalene	NPT	Ave	209845 4642267	412421	980592	1990764	3178307	5.00 120	10.0	20.0	50.0	80.0
1-Methylnaphthalene	NPT	Ave	221573 4633001	415047	1009006	2051702	3215249	5.00 120	10.0	20.0	50.0	80.0
Hexachlorocyclopentadiene	ANT	Ave	56466 1491382	95617	245618	557293	949039	5.00 120	10.0	20.0	50.0	80.0
1,2,4,5-Tetrachlorobenzene	ANT	Ave	95115 2059440	183114	451483	892403	1469745	5.00 120	10.0	20.0	50.0	80.0
2-tertbutyl-4-methylphenol	NPT	Ave	154024 3382786	284887	694562	1318284	2128820	5.00 120	10.0	20.0	50.0	80.0
2,4,6-Trichlorophenol	ANT	Ave	59583 1570659	108266	280735	535862	1005827	5.00 120	10.0	20.0	50.0	80.0
2,4,5-Trichlorophenol	ANT	Ave	58527 1388061	117783	280834	535268	924242	5.00 120	10.0	20.0	50.0	80.0
Diphenyl	ANT	Ave	258212 4718639	482667	1116289	2245714	3241797	5.00 120	10.0	20.0	50.0	80.0
2-Chloronaphthalene	ANT	Ave	188584 4039040	357604	849252	1743600	2673658	5.00 120	10.0	20.0	50.0	80.0
Diphenyl ether	ANT	Ave	133384 3050064	260608	615769	1284604	2003647	5.00 120	10.0	20.0	50.0	80.0
2-Nitroaniline	ANT	Ave	111322 1162486	120833	296064	620208	820858	10.0 120	10.0	20.0	50.0	80.0
Dimethylnaphthalene, total	ANT	Ave	163339 3535498	308046	750517	1556888	2336186	5.00 120	10.0	20.0	50.0	80.0
Dimethyl phthalate	ANT	Ave	184304 4003627	340630	827369	1681523	2578330	5.00 120	10.0	20.0	50.0	80.0
Coumarin	NPT	Ave	57422 1492592	111137	288280	587696	942041	5.00 120	10.0	20.0	50.0	80.0
2,6-Dinitrotoluene	ANT	Ave	7610 1074300	81120	201474	409338	665122	1.00 120	10.0	20.0	50.0	80.0
Acenaphthylene	ANT	Ave	302695 5508946	552135	1299258	2551927	3836624	5.00 120	10.0	20.0	50.0	80.0
3-Nitroaniline	ANT	Ave	85450 997639	80260	201219	399439	653975	10.0 120	10.0	20.0	50.0	80.0
3,5-di-tert-butyl-4-hydroxytol	ANT	Ave	166933 3245929	308157	769689	1442293	2117856	5.00 120	10.0	20.0	50.0	80.0
Acenaphthene	ANT	Ave	175371 3440186	330503	792237	1535909	2330655	5.00 120	10.0	20.0	50.0	80.0
2,4-Dinitrophenol	ANT	QuaF	44580 611597	62885	147836	243318	393671	15.0 120	20.0	30.0	50.0	80.0

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

Lab Name: TestAmerica Edison Job No.: 460-40258-1 Analy Batch No.: 112943

SDG No.:

Instrument ID: BNAMS10 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/16/2012 13:38 Calibration End Date: 05/16/2012 15:59 Calibration ID: 15588

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
4-Nitrophenol	ANT	Ave	82439 687244	101171	201409	282763	432323	15.0 120	20.0	30.0	50.0	80.0
2,4-Dinitrotoluene	ANT	Ave	9886 1190260	94402	232636	491247	785549	1.00 120	10.0	20.0	50.0	80.0
Dibenzofuran	ANT	Ave	244873 4758606	466206	1112629	2160004	3242759	5.00 120	10.0	20.0	50.0	80.0
2,3,4,6-Tetrachlorophenol	ANT	Ave	37205 942120	72699	182256	354509	604878	5.00 120	10.0	20.0	50.0	80.0
Diethyl phthalate	ANT	Ave	169909 3830272	326894	799314	1617788	2470692	5.00 120	10.0	20.0	50.0	80.0
Fluorene	ANT	Ave	193194 3744697	368109	867810	1703601	2548544	5.00 120	10.0	20.0	50.0	80.0
4-Chlorophenyl phenyl ether	ANT	Ave	90045 1861363	170543	413130	819826	1246659	5.00 120	10.0	20.0	50.0	80.0
4-Nitroaniline	ANT	Ave	74758 838325	74921	190873	390504	621316	10.0 120	10.0	20.0	50.0	80.0
4,6-Dinitro-2-methylphenol	PHN	Ave	68441 703955	91433	190856	287259	441121	15.0 120	20.0	30.0	50.0	80.0
N-Nitrosodiphenylamine	PHN	Ave	121800 2695296	219439	566903	1114671	1855368	5.00 120	10.0	20.0	50.0	80.0
1,2-Diphenylhydrazine	PHN	Ave	182883 4205842	410640	995682	1941617	2942047	5.00 120	10.0	20.0	50.0	80.0
4-Bromophenyl phenyl ether	PHN	Ave	45414 1102658	89955	212637	448801	704175	5.00 120	10.0	20.0	50.0	80.0
Hexachlorobenzene	PHN	Ave	5034 1145401	93176	230897	467107	741478	0.500 120	10.0	20.0	50.0	80.0
Atrazine	PHN	Ave	40655 953489	76508	188890	394046	628099	5.00 120	10.0	20.0	50.0	80.0
Pentachlorophenol	PHN	Ave	79738 708663	103209	199995	276281	474588	15.0 120	20.0	30.0	50.0	80.0
Pentachloronitrobenzene	PHN	Ave	20033 421322	35958	90634	182507	305136	5.00 120	10.0	20.0	50.0	80.0
n-Octadecane	PHN	Ave	103877 2236180	191761	482538	1008429	1489721	5.00 120	10.0	20.0	50.0	80.0
Phenanthrene	PHN	Ave	229201 4361659	428968	1000521	2028395	2853247	5.00 120	10.0	20.0	50.0	80.0
Anthracene	PHN	Ave	229271 4267529	424284	1021542	2025545	3048439	5.00 120	10.0	20.0	50.0	80.0
Carbazole	PHN	Ave	181358 3520042	342374	815812	1594725	2425670	5.00 120	10.0	20.0	50.0	80.0
Di-n-butyl phthalate	PHN	Ave	217494 4331699	422414	1024779	2048700	3067898	5.00 120	10.0	20.0	50.0	80.0

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

Lab Name: TestAmerica Edison Job No.: 460-40258-1 Analy Batch No.: 112943

SDG No.:

Instrument ID: BNAMS10 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/16/2012 13:38 Calibration End Date: 05/16/2012 15:59 Calibration ID: 15588

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Fluoranthene	PHN	Ave	188711 3621183	349885	826716	1723548	2566932	5.00 120	10.0	20.0	50.0	80.0
Benzidine	PHN	Ave	30765 +++++	216941	306252	157737	133539	5.00 +++++	20.0	30.0	50.0	80.0
Pyrene	CRY	Ave	187847 3505556	343554	806628	1656673	2461606	5.00 120	10.0	20.0	50.0	80.0
Butyl benzyl phthalate	CRY	Ave	72988 1648624	135977	329323	713287	1103903	5.00 120	10.0	20.0	50.0	80.0
Carbamazepine	CRY	QuaF	37896 1132592	80848	215009	507359	798467	5.00 120	10.0	20.0	50.0	80.0
3,3'-Dichlorobenzidine	CRY	Ave	82750 608756	147682	258456	310831	473384	10.0 120	20.0	30.0	50.0	80.0
Benzo[a]anthracene	CRY	Ave	14352 2471517	228487	525997	1134566	1751491	0.500 120	10.0	20.0	50.0	80.0
Chrysene	CRY	Ave	119806 2126944	221892	499472	1053925	1579816	5.00 120	10.0	20.0	50.0	80.0
Bis(2-ethylhexyl) phthalate	CRY	Ave	94252 2039360	176156	425916	900543	1446252	5.00 120	10.0	20.0	50.0	80.0
Di-n-octyl phthalate	PRY	Ave	121784 2986532	241162	565127	1322995	2004636	5.00 120	10.0	20.0	50.0	80.0
Benzo[b]fluoranthene	PRY	Ave	8395 1990018	180725	390633	918272	1429701	0.500 120	10.0	20.0	50.0	80.0
Benzo[k]fluoranthene	PRY	Ave	8604 2017861	183883	419385	923650	1370424	0.500 120	10.0	20.0	50.0	80.0
Benzo[a]pyrene	PRY	Ave	6630 1624104	145406	315274	748468	1108982	0.500 120	10.0	20.0	50.0	80.0
Indeno[1,2,3-cd]pyrene	PRY	QuaF	5454 1633908	127090	265601	703692	1090717	0.500 120	10.0	20.0	50.0	80.0
Dibenz(a,h)anthracene	PRY	Ave	5251 1540968	126955	272649	689928	1041462	0.500 120	10.0	20.0	50.0	80.0
Benzo[g,h,i]perylene	PRY	Ave	64402 1551065	133280	281673	684547	1032423	5.00 120	10.0	20.0	50.0	80.0
2-Fluorophenol	DCB	Ave	125199 3599308	247744	590638	1240762	2097414	5.00 120	10.0	20.0	50.0	80.0
Phenol-d5	DCB	Ave	155020 3981642	300768	710712	1476618	2511118	5.00 120	10.0	20.0	50.0	80.0
Nitrobenzene-d5	NPT	Ave	132447 3405975	257939	613958	1329910	2234945	5.00 120	10.0	20.0	50.0	80.0
2-Fluorobiphenyl	ANT	Ave	226633 4765174	426264	1013515	2076611	3171482	5.00 120	10.0	20.0	50.0	80.0
2,4,6-Tribromophenol	ANT	Ave	22847 599382	43459	112486	208610	377402	5.00 120	10.0	20.0	50.0	80.0

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

Lab Name: TestAmerica Edison Job No.: 460-40258-1 Analy Batch No.: 112943

SDG No.:

Instrument ID: BNAMS10 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/16/2012 13:38 Calibration End Date: 05/16/2012 15:59 Calibration ID: 15588

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Terphenyl-d14	CRY	Ave	120570 2446166	227378	542852	1113772	1685200	5.00 120	10.0	20.0	50.0	80.0

Curve Type Legend:

Ave = Average ISTD
QuaF = Quadratic ISTD forced zero

Data File: /chem/BNAMS10.i/8270/05-16-12/16may12.b/p30114.d
Report Date: 17-May-2012 00:42

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS10.i/8270/05-16-12/16may12.b/p30114.d
Lab Smp Id: ICIS-1519304
Inj Date : 16-MAY-2012 13:38
Operator : BNAMS 4 Inst ID: BNAMS10.i
Smp Info : ICIS-1519304
Misc Info : 50ppm bna4658
Comment :
Method : /chem/BNAMS10.i/8270/05-16-12/16may12.b/8270C_11.m
Meth Date : 17-May-2012 00:42 asfawa Quant Type: ISTD
Cal Date : 16-MAY-2012 13:38 Cal File: p30114.d
Als bottle: 2 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * Uf*1000*Vt/(Ws*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
106	1,4-Dioxane	88	1.662	1.662	(0.363)	498239	50.0000	50
19	N-Nitrosodimethylamine	74	1.909	1.909	(0.417)	769577	50.0000	50(H)
71	Pyridine	79	1.933	1.933	(0.422)	1315529	50.0000	50
$ 16	2-Fluorophenol (SUR)	112	3.166	3.166	(0.691)	1240762	50.0000	50
110	Benzaldehyde	77	4.101	4.101	(0.895)	418820	50.0000	50
$ 17	Phenol-d5 (SUR)	99	4.201	4.201	(0.917)	1476618	50.0000	50
73	Aniline	93	4.224	4.224	(0.922)	1827589	50.0000	50
1	Phenol	94	4.218	4.218	(0.920)	1574039	50.0000	50
20	bis(2-Chloroethyl)ether	93	4.306	4.306	(0.940)	1267895	50.0000	50
2	2-Chlorophenol	128	4.359	4.359	(0.951)	1226165	50.0000	50
113	n-decane	43	4.424	4.424	(0.965)	1089914	50.0000	50
21	1,3-Dichlorobenzene	146	4.518	4.518	(0.986)	1440898	50.0000	50
* 79	1,4-Dichlorobenzene-d4	152	4.582	4.582	(1.000)	745440	40.0000	

Data File: /chem/BNAMS10.i/8270/05-16-12/16may12.b/p30114.d
Report Date: 17-May-2012 00:42

							AMOUNTS	
		QUANT SIG					CAL-AMT	ON-COL
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/ml)	(ug/ml)
	22 1,4-Dichlorobenzene	146	4.600	4.600	(1.004)	1435886	50.0000	50
	74 Benzyl Alcohol	108	4.741	4.741	(1.035)	706459	50.0000	50
	23 1,2-Dichlorobenzene	146	4.765	4.765	(1.040)	1347457	50.0000	50
	3 2-Methylphenol	108	4.870	4.870	(1.063)	1091587	50.0000	50
	24 bis (2-chloroisopropyl) ether	45	4.888	4.888	(1.067)	1240768	50.0000	50
	104 Acetophenone	105	5.029	5.029	(1.097)	1572681	50.0000	50
	25 N-Nitroso-di-n-propylamine	70	5.041	5.041	(1.100)	741341	50.0000	50
	4 4-Methylphenol	108	5.041	5.041	(1.100)	1003509	50.0000	50
	123 3 & 4 Methylphenol	108	5.041	5.041	(1.100)	998437	50.0000	50
	26 Hexachloroethane	117	5.123	5.123	(1.118)	560880	50.0000	50
$	76 Nitrobenzene-d5 (SUR)	82	5.188	5.188	(0.873)	1329910	50.0000	50
	27 Nitrobenzene	77	5.211	5.211	(0.877)	1666121	50.0000	50
	107 N,N-Dimethylaniline	120	5.211	5.211	(1.137)	1703078	50.0000	50
	28 Isophorone	82	5.464	5.464	(0.920)	2075419	50.0000	50
	5 2-Nitrophenol	139	5.540	5.540	(0.933)	657057	50.0000	50
	6 2,4-Dimethylphenol	122	5.605	5.605	(0.944)	935070	50.0000	50
	29 bis(2-Chloroethoxy)methane	93	5.699	5.699	(0.959)	1278351	50.0000	50
	15 Benzoic Acid	122	5.775	5.775	(0.972)	528050	50.0000	50
	7 2,4-Dichlorophenol	162	5.799	5.799	(0.976)	890215	50.0000	50
	30 1,2,4-Trichlorobenzene	180	5.887	5.887	(0.991)	1060398	50.0000	50
*	80 Naphthalene-d8	136	5.940	5.940	(1.000)	2387743	40.0000	
	31 Naphthalene	128	5.963	5.963	(1.004)	2990837	50.0000	50
	32 4-Chloroaniline	127	6.028	6.028	(1.015)	1149383	50.0000	50
	33 Hexachlorobutadiene	225	6.104	6.104	(1.028)	569201	50.0000	50
	111 Caprolactam	113	6.427	6.427	(1.082)	293886	50.0000	50
	8 4-Chloro-3-methylphenol	107	6.551	6.551	(1.103)	887763	50.0000	50
	34 2-Methylnaphthalene	142	6.680	6.680	(1.125)	1990764	50.0000	50
	120 1-Methylnaphthalene	142	6.780	6.780	(1.141)	2051702	50.0000	50
	35 Hexachlorocyclopentadiene	237	6.850	6.850	(0.886)	557293	50.0000	50
	129 1,2,4,5-Tetrachlorobenzene	216	6.856	6.856	(0.887)	892403	50.0000	50
	121 2-tert-Butyl-4-methylphenol	149	6.903	6.903	(1.162)	1318284	50.0000	50
	9 2,4,6-Trichlorophenol	196	6.980	6.980	(0.903)	535862	50.0000	50
	10 2,4,5-Trichlorophenol	196	7.015	7.015	(0.907)	535268	50.0000	50
$	77 2-Fluorobiphenyl (SUR)	172	7.062	7.062	(0.913)	2076611	50.0000	50
	102 Diphenyl	154	7.162	7.162	(0.926)	2245714	50.0000	50
	36 2-Chloronaphthalene	162	7.179	7.179	(0.929)	1743600	50.0000	50
	103 Diphenyl Ether	170	7.268	7.268	(0.940)	1284604	50.0000	50
	37 2-Nitroaniline	65	7.285	7.285	(0.942)	620208	50.0000	50
	125 1,3-Dimethylnaphthalene	156	7.397	7.397	(0.957)	1556888	50.0000	50
	38 Dimethylphthalate	163	7.479	7.479	(0.967)	1681523	50.0000	50
	114 Coumarin	146	7.491	7.491	(1.261)	587696	50.0000	50
	40 2,6-Dinitrotoluene	165	7.532	7.532	(0.974)	409338	50.0000	50
	39 Acenaphthylene	152	7.591	7.591	(0.982)	2551927	50.0000	50
	41 3-Nitroaniline	138	7.697	7.697	(0.995)	399439	50.0000	50
*	82 Acenaphthene-d10	164	7.732	7.732	(1.000)	1202479	40.0000	
	42 Acenaphthene	154	7.767	7.767	(1.005)	1535909	50.0000	50
	122 2,6-Di-tert-butyl-p-cresol	205	7.767	7.767	(1.005)	1442293	50.0000	50

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Report Date: 17-May-2012 00:42

			QUANT SIG					AMOUNTS	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
	11	2,4-Dinitrophenol	184	7.802	7.802	(1.009)	243318	50.0000	50
	12	4-Nitrophenol	65	7.873	7.873	(1.018)	282763	50.0000	50
	44	2,4-Dinitrotoluene	165	7.932	7.932	(1.026)	491247	50.0000	50
	43	Dibenzofuran	168	7.943	7.943	(1.027)	2160004	50.0000	50
	130	2,3,4,6-Tetrachlorophenol	232	8.067	8.067	(1.043)	354509	50.0000	50
	45	Diethylphthalate	149	8.178	8.178	(1.058)	1617788	50.0000	50
	47	Fluorene	166	8.278	8.278	(1.071)	1703601	50.0000	50
	46	4-Chlorophenyl-phenylether	204	8.284	8.284	(1.071)	819826	50.0000	50
	48	4-Nitroaniline	138	8.308	8.308	(1.074)	390504	50.0000	50
	13	4,6-Dinitro-2-methylphenol	198	8.337	8.337	(0.906)	287259	50.0000	50
	49	N-Nitrosodiphenylamine	169	8.402	8.402	(0.913)	1114671	50.0000	50
	75	1,2-Diphenylhydrazine	77	8.443	8.443	(0.917)	1941617	50.0000	50
$	18	2,4,6-Tribromophenol (SUR)	330	8.519	8.519	(1.102)	208610	50.0000	50
	50	4-Bromophenyl-phenylether	248	8.766	8.766	(0.952)	448801	50.0000	50
	51	Hexachlorobenzene	284	8.831	8.831	(0.959)	467107	50.0000	50
	112	Atrazine	200	8.936	8.936	(0.971)	394046	50.0000	50
	14	Pentachlorophenol	266	9.024	9.024	(0.980)	276281	50.0000	50
	132	Pentachloronitrobenzene	237	9.042	9.042	(0.982)	182507	50.0000	50
	115	n-Octadecane	57	9.113	9.113	(0.990)	1008429	50.0000	50
*	83	Phenanthrene-d10	188	9.207	9.207	(1.000)	1495696	40.0000	
	52	Phenanthrene	178	9.230	9.230	(1.003)	2028395	50.0000	50
	53	Anthracene	178	9.283	9.283	(1.008)	2025545	50.0000	50
	54	Carbazole	167	9.442	9.442	(1.026)	1594725	50.0000	50
	55	Di-n-butylphthalate	149	9.788	9.788	(1.063)	2048700	50.0000	50
	56	Fluoranthene	202	10.399	10.399	(1.130)	1723548	50.0000	50
	58	Benzidine	184	10.534	10.534	(1.144)	157737	50.0000	50
	57	Pyrene	202	10.623	10.623	(0.888)	1656673	50.0000	50
$	78	Terphenyl-d14	244	10.781	10.781	(0.902)	1113772	50.0000	50
	59	Butylbenzylphthalate	149	11.304	11.304	(0.945)	713287	50.0000	50
	109	2,3,7,8-TCDD (Screen)	320	11.410	11.410	(0.954)	1627	0.50000	0.50
	124	Carbamazepine	193	11.422	11.422	(0.955)	507359	50.0000	50
	60	3,3'-Dichlorobenzidine	252	11.915	11.915	(0.997)	310831	50.0000	50
	61	Benzo(a)anthracene	228	11.945	11.945	(0.999)	1134566	50.0000	50
*	81	Chrysene-d12	240	11.956	11.956	(1.000)	775063	40.0000	
	62	Chrysene	228	11.992	11.992	(1.003)	1053925	50.0000	50
	63	bis(2-Ethylhexyl)phthalate	149	11.992	11.992	(1.003)	900543	50.0000	50
	64	Di-n-octylphthalate	149	12.844	12.844	(0.927)	1322995	50.0000	50
	65	Benzo(b)fluoranthene	252	13.337	13.337	(0.963)	918272	50.0000	50
	66	Benzo(k)fluoranthene	252	13.372	13.372	(0.965)	923650	50.0000	50
	67	Benzo(a)pyrene	252	13.778	13.778	(0.994)	748468	50.0000	50
*	84	Perylene-d12	264	13.854	13.854	(1.000)	535345	40.0000	
	68	Indeno(1,2,3-cd)pyrene	276	15.341	15.341	(1.107)	703692	50.0000	50
	69	Dibenz(a,h)anthracene	278	15.376	15.376	(1.110)	689928	50.0000	50
	70	Benzo(g,h,i)perylene	276	15.752	15.752	(1.137)	684547	50.0000	50

Data File: /chem/BNAMS10.i/8270/05-16-12/16may12.b/p30114.d
Report Date: 17-May-2012 00:42

QC Flag Legend

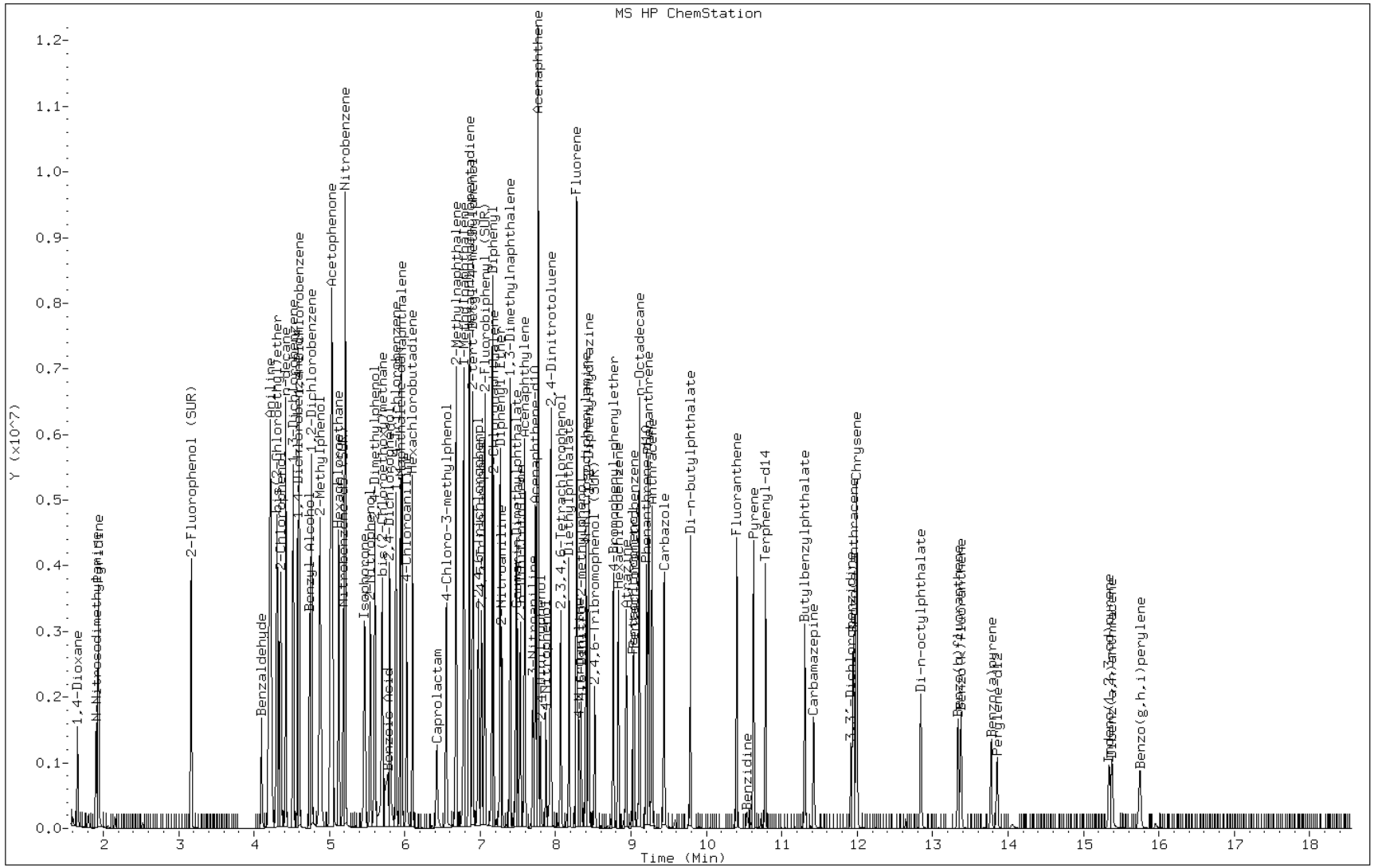
H - Operator selected an alternate compound hit.

Data File: p30114.d

Date: 16-MAY-2012 13:38

Client ID: Instrument: BNAMS10.i

Sample Info: ICIS-1519304 Operator: BNAMS 4



Data File: /chem/BNAMS10.i/8270/05-16-12/16may12.b/p30115.d
Report Date: 17-May-2012 00:42

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS10.i/8270/05-16-12/16may12.b/p30115.d
Lab Smp Id: IC-1519307
Inj Date : 16-MAY-2012 14:12
Operator : BNAMS 4 Inst ID: BNAMS10.i
Smp Info : IC-1519307
Misc Info : 120
Comment :
Method : /chem/BNAMS10.i/8270/05-16-12/16may12.b/8270C_11.m
Meth Date : 17-May-2012 00:42 asfawa Quant Type: ISTD
Cal Date : 16-MAY-2012 14:12 Cal File: p30115.d
Als bottle: 3 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * Uf*1000*Vt/(Ws*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
	106 1,4-Dioxane	88	1.797	1.797	(0.391)	1498720	120.000	120(AM)
	19 N-Nitrosodimethylamine	74	2.027	2.027	(0.441)	2321881	120.000	120(AM)
	71 Pyridine	79	2.056	2.056	(0.447)	3995644	120.000	120(AM)
$	16 2-Fluorophenol (SUR)	112	3.255	3.255	(0.708)	3599308	120.000	120(A)
	110 Benzaldehyde	77	4.130	4.130	(0.898)	446839	120.000	46
$	17 Phenol-d5 (SUR)	99	4.248	4.248	(0.923)	3981642	120.000	120
	73 Aniline	93	4.253	4.253	(0.925)	4109804	120.000	110
	1 Phenol	94	4.259	4.259	(0.926)	4135665	120.000	120
	20 bis(2-Chloroethyl)ether	93	4.342	4.342	(0.944)	4441548	120.000	130(A)
	2 2-Chlorophenol	128	4.400	4.400	(0.957)	3199134	120.000	120
	113 n-decane	43	4.436	4.436	(0.964)	2703605	120.000	110
	21 1,3-Dichlorobenzene	146	4.541	4.541	(0.987)	3542285	120.000	110
*	79 1,4-Dichlorobenzene-d4	152	4.600	4.600	(1.000)	854017	40.0000	

Data File: /chem/BNAMS10.i/8270/05-16-12/16may12.b/p30115.d
Report Date: 17-May-2012 00:42

							AMOUNTS	
		QUANT SIG					CAL-AMT	ON-COL
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/ml)	(ug/ml)
	22 1,4-Dichlorobenzene	146	4.618	4.618	(1.004)	3392203	120.000	110
	74 Benzyl Alcohol	108	4.765	4.765	(1.036)	2177705	120.000	130(A)
	23 1,2-Dichlorobenzene	146	4.782	4.782	(1.040)	3195644	120.000	110
	3 2-Methylphenol	108	4.894	4.894	(1.064)	2743922	120.000	110
	24 bis (2-chloroisopropyl) ether	45	4.906	4.906	(1.066)	3124237	120.000	110
	104 Acetophenone	105	5.058	5.058	(1.100)	4023228	120.000	120
	25 N-Nitroso-di-n-propylamine	70	5.105	5.105	(1.110)	2202075	120.000	120(AM)
	4 4-Methylphenol	108	5.082	5.082	(1.105)	2712149	120.000	120
	123 3 & 4 Methylphenol	108	5.082	5.082	(1.105)	2712149	120.000	120
	26 Hexachloroethane	117	5.135	5.135	(1.116)	1432908	120.000	120
$	76 Nitrobenzene-d5 (SUR)	82	5.217	5.217	(0.877)	3405975	120.000	120
	27 Nitrobenzene	77	5.241	5.241	(0.881)	3916245	120.000	110
	107 N,N-Dimethylaniline	120	5.241	5.241	(1.139)	4184542	120.000	110
	28 Isophorone	82	5.493	5.493	(0.923)	5489692	120.000	120
	5 2-Nitrophenol	139	5.558	5.558	(0.934)	1715001	120.000	120
	6 2,4-Dimethylphenol	122	5.628	5.628	(0.946)	2497356	120.000	120
	29 bis(2-Chloroethoxy)methane	93	5.716	5.716	(0.960)	3241121	120.000	120
	15 Benzoic Acid	122	5.863	5.863	(0.985)	1622816	120.000	130(A)
	7 2,4-Dichlorophenol	162	5.822	5.822	(0.978)	2158898	120.000	110
	30 1,2,4-Trichlorobenzene	180	5.899	5.899	(0.991)	2722171	120.000	120
*	80 Naphthalene-d8	136	5.951	5.951	(1.000)	2716238	40.0000	
	31 Naphthalene	128	5.981	5.981	(1.005)	6356548	120.000	110
	32 4-Chloroaniline	127	6.040	6.040	(1.015)	3012442	120.000	120
	33 Hexachlorobutadiene	225	6.110	6.110	(1.027)	1458880	120.000	120
	111 Caprolactam	113	6.516	6.516	(1.095)	725193	120.000	110(H)
	8 4-Chloro-3-methylphenol	107	6.574	6.574	(1.105)	2180562	120.000	110
	34 2-Methylnaphthalene	142	6.692	6.692	(1.124)	4642267	120.000	110
	120 1-Methylnaphthalene	142	6.792	6.792	(1.141)	4633001	120.000	110
	35 Hexachlorocyclopentadiene	237	6.862	6.862	(0.886)	1491382	120.000	120(A)
	129 1,2,4,5-Tetrachlorobenzene	216	6.874	6.874	(0.888)	2059440	120.000	110
	121 2-tert-Butyl-4-methylphenol	149	6.921	6.921	(1.163)	3382786	120.000	120
	9 2,4,6-Trichlorophenol	196	6.991	6.991	(0.903)	1570659	120.000	130(A)
	10 2,4,5-Trichlorophenol	196	7.038	7.038	(0.909)	1388061	120.000	120
$	77 2-Fluorobiphenyl (SUR)	172	7.074	7.074	(0.913)	4765174	120.000	110
	102 Diphenyl	154	7.174	7.174	(0.926)	4718639	120.000	110
	36 2-Chloronaphthalene	162	7.191	7.191	(0.929)	4039040	120.000	110
	103 Diphenyl Ether	170	7.279	7.279	(0.940)	3050064	120.000	110
	37 2-Nitroaniline	65	7.303	7.303	(0.943)	1162486	120.000	100
	125 1,3-Dimethylnaphthalene	156	7.415	7.415	(0.958)	3535498	120.000	110
	38 Dimethylphthalate	163	7.497	7.497	(0.968)	4003627	120.000	110
	114 Coumarin	146	7.514	7.514	(1.263)	1492592	120.000	120
	40 2,6-Dinitrotoluene	165	7.556	7.556	(0.976)	1074300	120.000	120(A)
	39 Acenaphthylene	152	7.608	7.608	(0.983)	5508946	120.000	110
	41 3-Nitroaniline	138	7.720	7.720	(0.997)	997639	120.000	120
*	82 Acenaphthene-d10	164	7.744	7.744	(1.000)	1308276	40.0000	
	42 Acenaphthene	154	7.785	7.785	(1.005)	3440186	120.000	110
	122 2,6-Di-tert-butyl-p-cresol	205	7.773	7.773	(1.004)	3245929	120.000	110

Data File: /chem/BNAMS10.i/8270/05-16-12/16may12.b/p30115.d
Report Date: 17-May-2012 00:42

			QUANT SIG					AMOUNTS	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
	11	2,4-Dinitrophenol	184	7.820	7.820	(1.010)	611597	120.000	120
	12	4-Nitrophenol	65	7.896	7.896	(1.020)	687244	120.000	120
	44	2,4-Dinitrotoluene	165	7.949	7.949	(1.027)	1190260	120.000	120
	43	Dibenzofuran	168	7.955	7.955	(1.027)	4758606	120.000	110
	130	2,3,4,6-Tetrachlorophenol	232	8.078	8.078	(1.043)	942120	120.000	120(A)
	45	Diethylphthalate	149	8.196	8.196	(1.058)	3830272	120.000	110
	47	Fluorene	166	8.296	8.296	(1.071)	3744697	120.000	110
	46	4-Chlorophenyl-phenylether	204	8.290	8.290	(1.071)	1861363	120.000	110
	48	4-Nitroaniline	138	8.337	8.337	(1.077)	838325	120.000	110
	13	4,6-Dinitro-2-methylphenol	198	8.360	8.360	(0.908)	703955	120.000	120(A)
	49	N-Nitrosodiphenylamine	169	8.419	8.419	(0.914)	2695296	120.000	120(A)
	75	1,2-Diphenylhydrazine	77	8.454	8.454	(0.918)	4205842	120.000	110
$	18	2,4,6-Tribromophenol (SUR)	330	8.537	8.537	(1.102)	599382	120.000	120(A)
	50	4-Bromophenyl-phenylether	248	8.778	8.778	(0.953)	1102658	120.000	120(A)
	51	Hexachlorobenzene	284	8.842	8.842	(0.960)	1145401	120.000	120(A)
	112	Atrazine	200	8.954	8.954	(0.972)	953489	120.000	120(A)
	14	Pentachlorophenol	266	9.036	9.036	(0.981)	708663	120.000	120(A)
	132	Pentachloronitrobenzene	237	9.054	9.054	(0.983)	421322	120.000	120
	115	n-Octadecane	57	9.124	9.124	(0.990)	2236180	120.000	110
*	83	Phenanthrene-d10	188	9.212	9.212	(1.000)	1504697	40.0000	
	52	Phenanthrene	178	9.242	9.242	(1.003)	4361659	120.000	110
	53	Anthracene	178	9.295	9.295	(1.009)	4267529	120.000	110
	54	Carbazole	167	9.453	9.453	(1.026)	3520042	120.000	110
	55	Di-n-butylphthalate	149	9.794	9.794	(1.063)	4331699	120.000	110
	56	Fluoranthene	202	10.411	10.411	(1.130)	3621183	120.000	110
	58	Benzidine	184	10.534	10.534	(1.143)	147716	120.000	46
	57	Pyrene	202	10.634	10.634	(0.889)	3505556	120.000	120
$	78	Terphenyl-d14	244	10.787	10.787	(0.901)	2446166	120.000	120(A)
	59	Butylbenzylphthalate	149	11.310	11.310	(0.945)	1648624	120.000	120(A)
	124	Carbamazepine	193	11.439	11.439	(0.956)	1132592	120.000	120(A)
	60	3,3'-Dichlorobenzidine	252	11.927	11.927	(0.997)	608756	120.000	110
	61	Benzo(a)anthracene	228	11.950	11.950	(0.999)	2471517	120.000	120
*	81	Chrysene-d12	240	11.968	11.968	(1.000)	706520	40.0000	
	62	Chrysene	228	12.003	12.003	(1.003)	2126944	120.000	120
	63	bis(2-Ethylhexyl)phthalate	149	11.997	11.997	(1.002)	2039360	120.000	120(A)
	64	Di-n-octylphthalate	149	12.849	12.849	(0.927)	2986532	120.000	120(A)
	65	Benzo(b)fluoranthene	252	13.349	13.349	(0.963)	1990018	120.000	120(A)
	66	Benzo(k)fluoranthene	252	13.390	13.390	(0.966)	2017861	120.000	120(A)
	67	Benzo(a)pyrene	252	13.789	13.789	(0.995)	1624104	120.000	120(A)
*	84	Perylene-d12	264	13.860	13.860	(1.000)	475187	40.0000	
	68	Indeno(1,2,3-cd)pyrene	276	15.364	15.364	(1.109)	1633908	120.000	120(A)
	69	Dibenz(a,h)anthracene	278	15.399	15.399	(1.111)	1540968	120.000	120(A)
	70	Benzo(g,h,i)perylene	276	15.775	15.775	(1.138)	1551065	120.000	120(A)

Data File: /chem/BNAMS10.i/8270/05-16-12/16may12.b/p30115.d
Report Date: 17-May-2012 00:42

QC Flag Legend

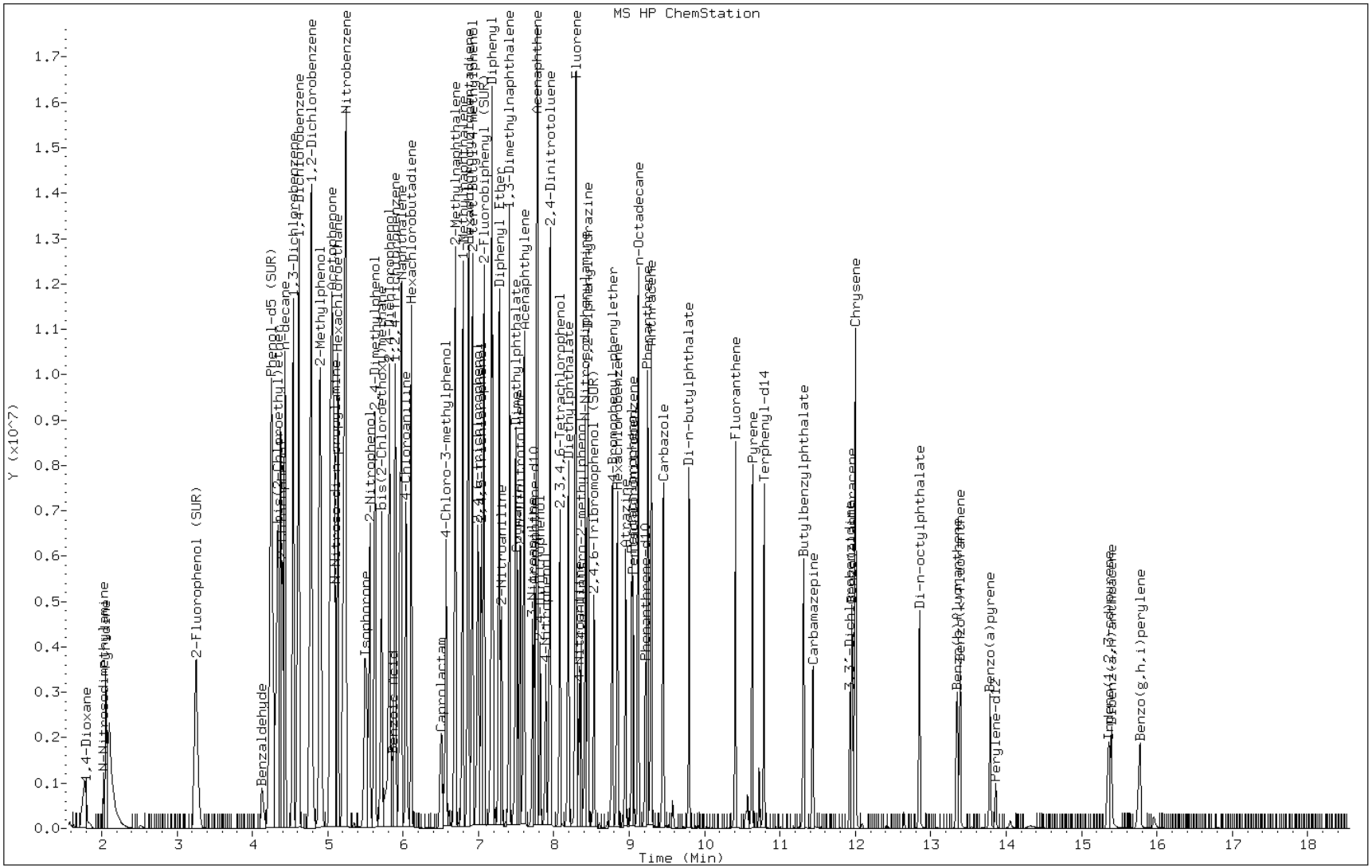
A - Target compound detected but, quantitated amount
    exceeded maximum amount.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: p30115.d

Date: 16-MAY-2012 14:12

Client ID: Instrument: BNAMS10.i

Sample Info: IC-1519307 Operator: BNAMS 4



Manual Integration Report

Data File: p30115.d
Inj. Date and Time: 16-MAY-2012 14:12
Instrument ID: BNAMS10.i
Client ID:
Compound: 25 N-Nitroso-di-n-propylamine
CAS #: 621-64-7
Report Date: 05/17/2012

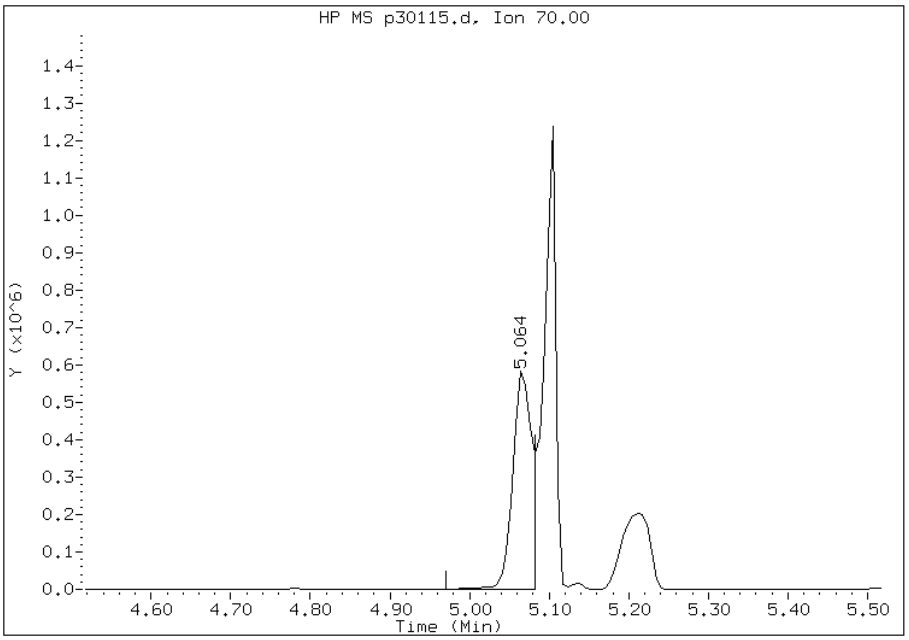
Processing Integration Results

RT: 5.06

Response: 982425

Amount: 1

Conc: 1



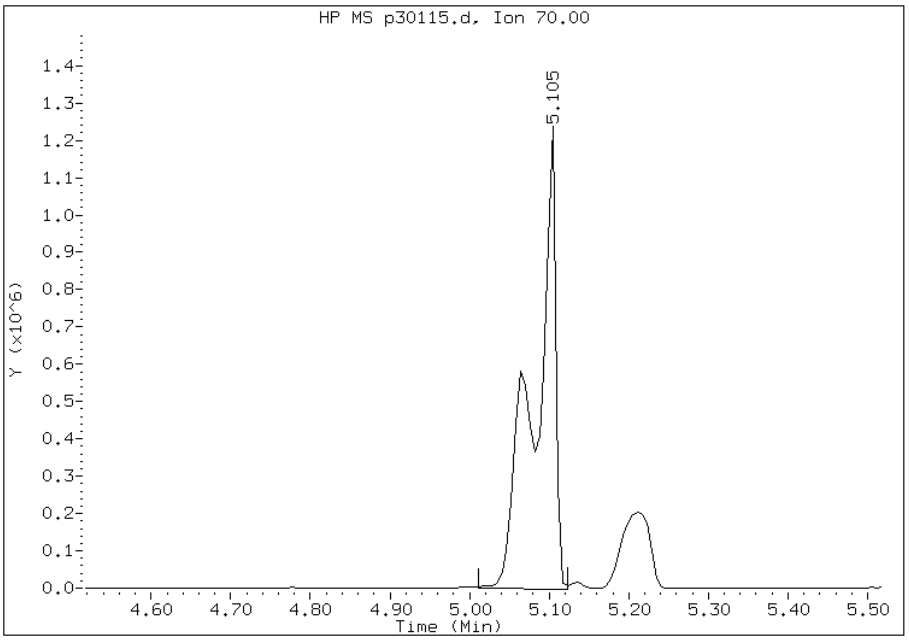
Manual Integration Results

RT: 5.11

Response: 2202075

Amount: 125

Conc: 125



Manually Integrated By: wahied
Manual Integration Reason:

Manual Integration Report

Data File: p30115.d
Inj. Date and Time: 16-MAY-2012 14:12
Instrument ID: BNAMS10.i
Client ID:
Compound: 71 Pyridine
CAS #: 110-86-1
Report Date: 05/17/2012

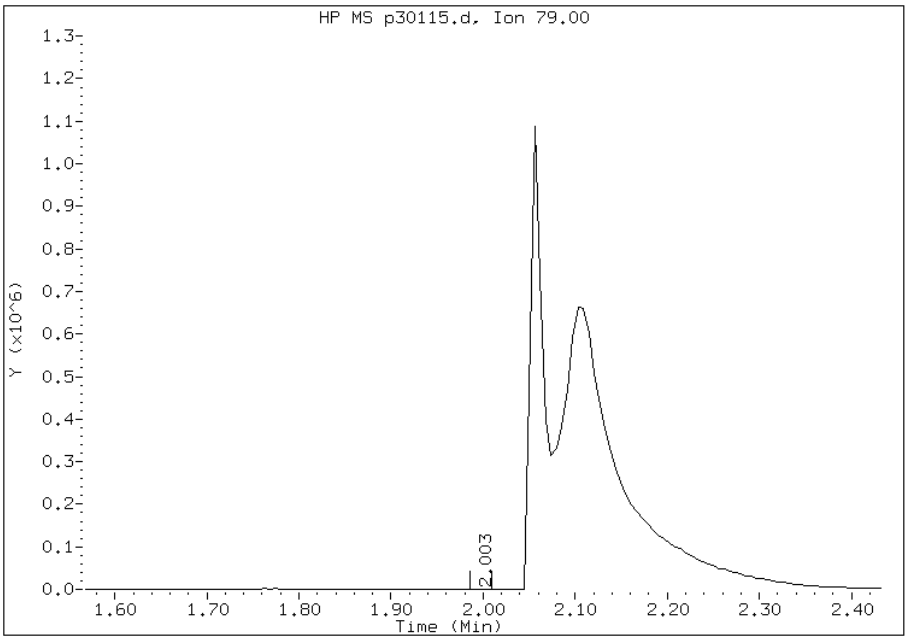
Processing Integration Results

RT: 2.00

Response: 557

Amount: 0

Conc: 0



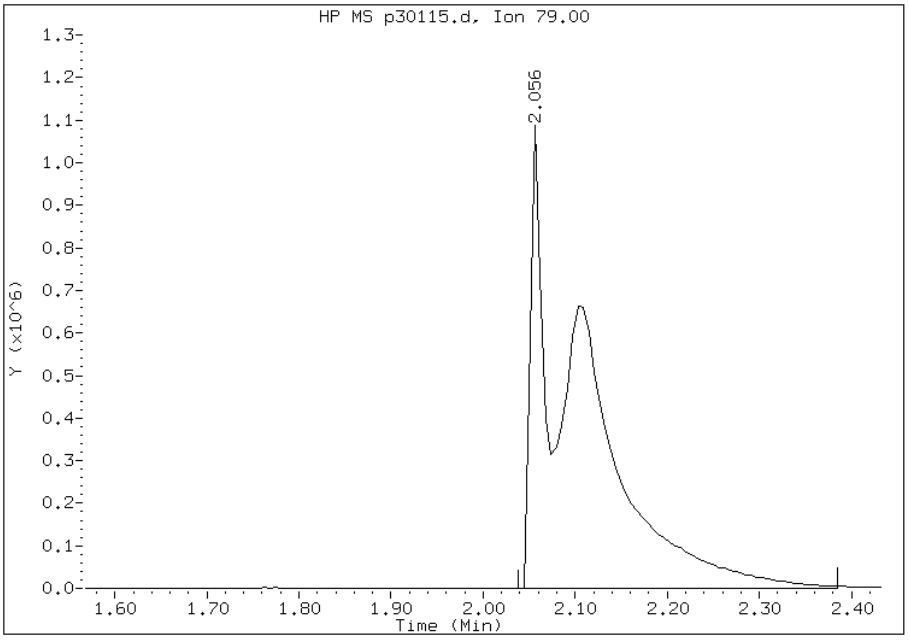
Manual Integration Results

RT: 2.06

Response: 3995644

Amount: 126

Conc: 126



Manually Integrated By: wahied
Manual Integration Reason:

Manual Integration Report

Data File: p30115.d
Inj. Date and Time: 16-MAY-2012 14:12
Instrument ID: BNAMS10.i
Client ID:
Compound: 19 N-Nitrosodimethylamine
CAS #: 62-75-9
Report Date: 05/17/2012

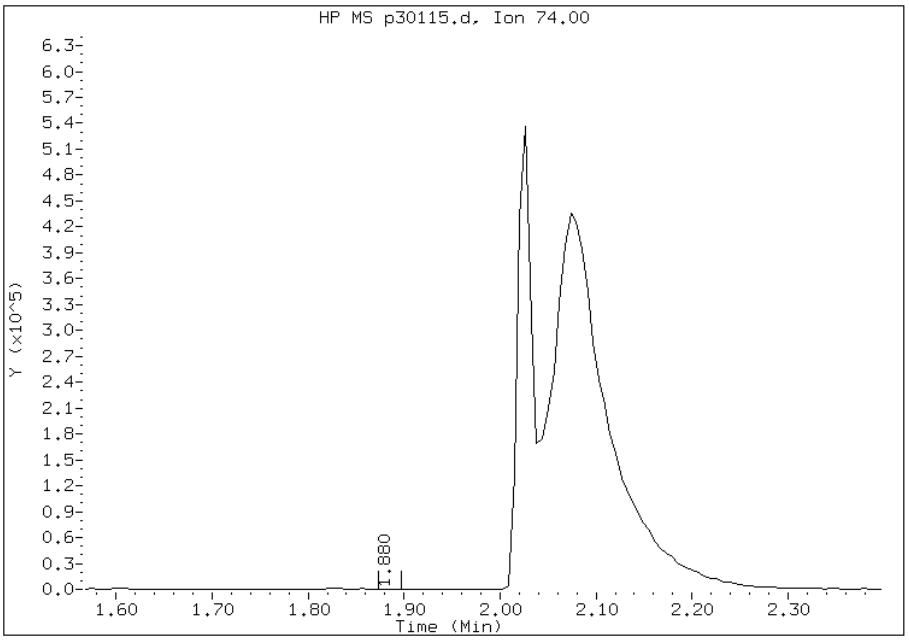
Processing Integration Results

RT: 1.88

Response: 578

Amount: 0

Conc: 0



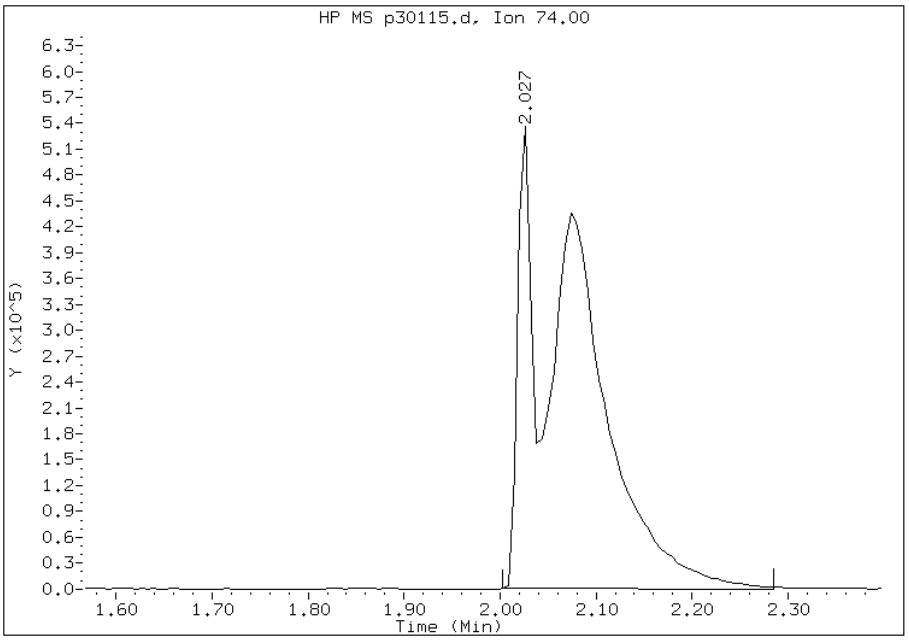
Manual Integration Results

RT: 2.03

Response: 2321881

Amount: 126

Conc: 126



Manually Integrated By: wahied
Manual Integration Reason:

Manual Integration Report

Data File: p30115.d
Inj. Date and Time: 16-MAY-2012 14:12
Instrument ID: BNAMS10.i
Client ID:
Compound: 106 1,4-Dioxane
CAS #: 123-91-1
Report Date: 05/17/2012

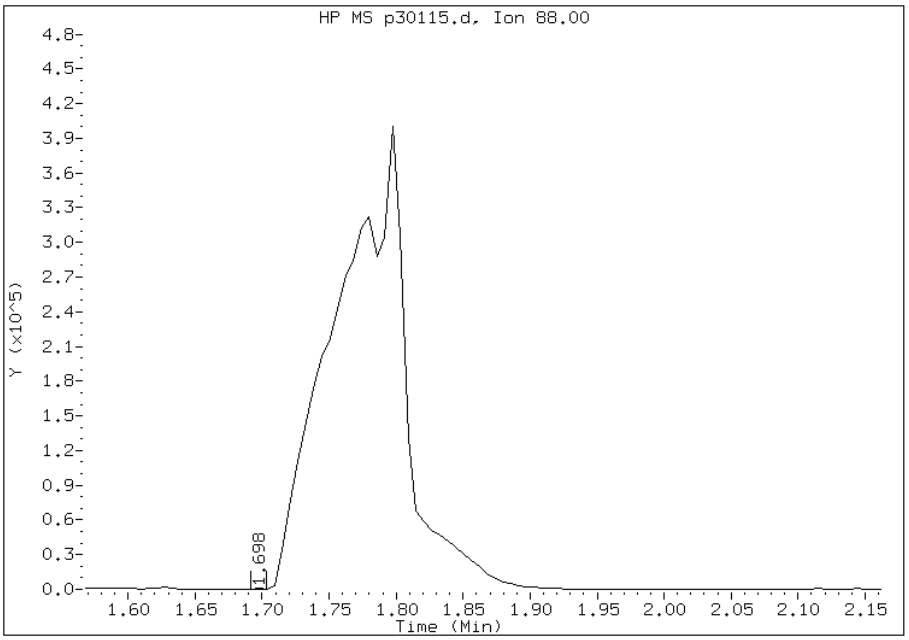
Processing Integration Results

RT: 1.70

Response: 211

Amount: 0

Conc: 0



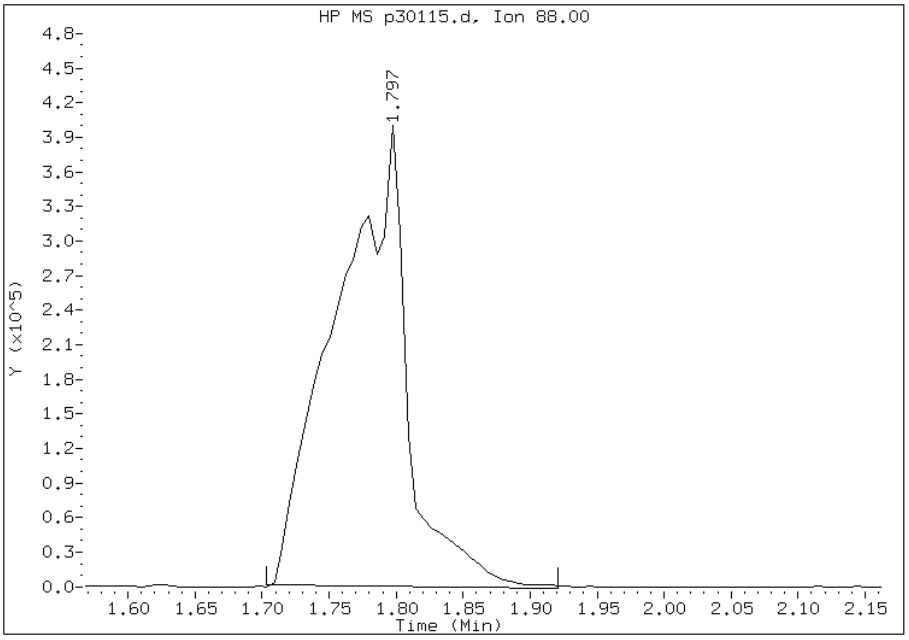
Manual Integration Results

RT: 1.80

Response: 1498720

Amount: 125

Conc: 125



Manually Integrated By: wahied
Manual Integration Reason:

Data File: /chem/BNAMS10.i/8270/05-16-12/16may12.b/p30116.d
Report Date: 17-May-2012 00:42

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS10.i/8270/05-16-12/16may12.b/p30116.d
Lab Smp Id: IC-1519301
Inj Date : 16-MAY-2012 14:39
Operator : BNAMS 4 Inst ID: BNAMS10.i
Smp Info : IC-1519301
Misc Info : 5
Comment :
Method : /chem/BNAMS10.i/8270/05-16-12/16may12.b/8270C_11.m
Meth Date : 17-May-2012 00:42 asfawa Quant Type: ISTD
Cal Date : 16-MAY-2012 14:39 Cal File: p30116.d
Als bottle: 4 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * Uf*1000*Vt/(Ws*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
	106 1,4-Dioxane	88	1.668	1.668	(0.365)	51666	5.00000	5.1
	19 N-Nitrosodimethylamine	74	1.903	1.903	(0.416)	73778	5.00000	4.8(a)
	71 Pyridine	79	1.945	1.945	(0.425)	129667	5.00000	4.9(a)
$	16 2-Fluorophenol (SUR)	112	3.161	3.161	(0.691)	125199	5.00000	5.1
	110 Benzaldehyde	77	4.095	4.095	(0.895)	82664	5.00000	6.7
$	17 Phenol-d5 (SUR)	99	4.177	4.177	(0.913)	155020	5.00000	5.3
	73 Aniline	93	4.212	4.212	(0.920)	186608	5.00000	5.5
	1 Phenol	94	4.189	4.189	(0.915)	171205	5.00000	5.5
	20 bis(2-Chloroethyl)ether	93	4.289	4.289	(0.937)	15343	0.50000	0.53
	2 2-Chlorophenol	128	4.342	4.342	(0.949)	131408	5.00000	5.4
	113 n-decane	43	4.418	4.418	(0.965)	112777	5.00000	5.4
	21 1,3-Dichlorobenzene	146	4.512	4.512	(0.986)	150496	5.00000	5.4
*	79 1,4-Dichlorobenzene-d4	152	4.577	4.577	(1.000)	718263	40.0000	

Data File: /chem/BNAMS10.i/8270/05-16-12/16may12.b/p30116.d
Report Date: 17-May-2012 00:42

		QUANT SIG					AMOUNTS	
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
	==========	====	==	======	======	========	=======	=======
22	1,4-Dichlorobenzene	146	4.594	4.594	(1.004)	152656	5.00000	5.6
74	Benzyl Alcohol	108	4.724	4.724	(1.032)	70252	5.00000	4.9(a)
23	1,2-Dichlorobenzene	146	4.759	4.759	(1.040)	142346	5.00000	5.6
3	2-Methylphenol	108	4.853	4.853	(1.060)	110823	5.00000	5.3
24	bis (2-chloroisopropyl) ether	45	4.876	4.876	(1.065)	130342	5.00000	5.4
104	Acetophenone	105	5.012	5.012	(1.095)	172305	5.00000	5.6
25	N-Nitroso-di-n-propylamine	70	5.017	5.017	(1.096)	7917	0.50000	0.52
4	4-Methylphenol	108	5.017	5.017	(1.096)	123470	5.00000	5.9
123	3 & 4 Methylphenol	108	5.017	5.017	(1.096)	127255	5.00000	6.0
26	Hexachloroethane	117	5.123	5.123	(1.119)	5749	0.50000	0.53
$ 76	Nitrobenzene-d5 (SUR)	82	5.170	5.170	(0.871)	132447	5.00000	5.2
27	Nitrobenzene	77	5.194	5.194	(0.875)	20612	0.50000	0.61
107	N,N-Dimethylaniline	120	5.200	5.200	(1.136)	17815	0.50000	0.55
28	Isophorone	82	5.446	5.446	(0.918)	215512	5.00000	5.3
5	2-Nitrophenol	139	5.534	5.534	(0.933)	62427	5.00000	5.0
6	2,4-Dimethylphenol	122	5.587	5.587	(0.942)	105843	5.00000	5.6
29	bis(2-Chloroethoxy)methane	93	5.687	5.687	(0.958)	128020	5.00000	5.2
15	Benzoic Acid	122	5.670	5.670	(0.955)	45615	5.00000	4.4(aH)
7	2,4-Dichlorophenol	162	5.787	5.787	(0.975)	95696	5.00000	5.6
30	1,2,4-Trichlorobenzene	180	5.881	5.881	(0.991)	12052	0.50000	0.56
* 80	Naphthalene-d8	136	5.934	5.934	(1.000)	2314239	40.0000	
31	Naphthalene	128	5.958	5.958	(1.004)	351226	5.00000	4.4(a)
32	4-Chloroaniline	127	6.016	6.016	(1.014)	122953	5.00000	5.4
33	Hexachlorobutadiene	225	6.099	6.099	(1.028)	13148	1.00000	1.1
111	Caprolactam	113	6.357	6.357	(1.071)	23963	5.00000	4.6(a)
8	4-Chloro-3-methylphenol	107	6.533	6.533	(1.101)	94933	5.00000	5.5
34	2-Methylnaphthalene	142	6.674	6.674	(1.125)	209845	5.00000	5.5
120	1-Methylnaphthalene	142	6.774	6.774	(1.142)	221573	5.00000	5.7(a)
35	Hexachlorocyclopentadiene	237	6.845	6.845	(0.885)	56466	5.00000	5.0
129	1,2,4,5-Tetrachlorobenzene	216	6.851	6.851	(0.886)	95115	5.00000	5.4
121	2-tert-Butyl-4-methylphenol	149	6.892	6.892	(1.161)	154024	5.00000	5.7
9	2,4,6-Trichlorophenol	196	6.968	6.968	(0.901)	59583	5.00000	5.1
10	2,4,5-Trichlorophenol	196	7.003	7.003	(0.906)	58527	5.00000	5.3(H)
$ 77	2-Fluorobiphenyl (SUR)	172	7.056	7.056	(0.913)	226633	5.00000	5.5
102	Diphenyl	154	7.150	7.150	(0.925)	258212	5.00000	5.8
36	2-Chloronaphthalene	162	7.168	7.168	(0.927)	188584	5.00000	5.4
103	Diphenyl Ether	170	7.262	7.262	(0.939)	133384	5.00000	5.2
37	2-Nitroaniline	65	7.274	7.274	(0.941)	111322	10.0000	10
125	1,3-Dimethylnaphthalene	156	7.391	7.391	(0.956)	163339	5.00000	5.3
38	Dimethylphthalate	163	7.462	7.462	(0.965)	184304	5.00000	5.4
114	Coumarin	146	7.479	7.479	(1.260)	57422	5.00000	5.1
40	2,6-Dinitrotoluene	165	7.520	7.520	(0.973)	7610	1.00000	0.94(a)
39	Acenaphthylene	152	7.585	7.585	(0.981)	302695	5.00000	5.9
41	3-Nitroaniline	138	7.685	7.685	(0.994)	85450	10.0000	10
* 82	Acenaphthene-d10	164	7.732	7.732	(1.000)	1217340	40.0000	
42	Acenaphthene	154	7.761	7.761	(1.004)	175371	5.00000	5.7
122	2,6-Di-tert-butyl-p-cresol	205	7.761	7.761	(1.004)	166933	5.00000	5.7

Data File: /chem/BNAMS10.i/8270/05-16-12/16may12.b/p30116.d
Report Date: 17-May-2012 00:42

		QUANT SIG					AMOUNTS	
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
	11 2,4-Dinitrophenol	184	7.791	7.791	(1.008)	44580	15.0000	9.3(a)
	12 4-Nitrophenol	65	7.861	7.861	(1.017)	82439	15.0000	15
	44 2,4-Dinitrotoluene	165	7.920	7.920	(1.024)	9886	1.00000	1.0(M)
	43 Dibenzofuran	168	7.932	7.932	(1.026)	244873	5.00000	5.7
	130 2,3,4,6-Tetrachlorophenol	232	8.061	8.061	(1.043)	37205	5.00000	5.1
	45 Diethylphthalate	149	8.167	8.167	(1.056)	169909	5.00000	5.3
	47 Fluorene	166	8.273	8.273	(1.070)	193194	5.00000	5.7
	46 4-Chlorophenyl-phenylether	204	8.278	8.278	(1.071)	90045	5.00000	5.5
	48 4-Nitroaniline	138	8.296	8.296	(1.073)	74758	10.0000	10(H)
	13 4,6-Dinitro-2-methylphenol	198	8.325	8.325	(0.905)	68441	15.0000	12(a)
	49 N-Nitrosodiphenylamine	169	8.396	8.396	(0.912)	121800	5.00000	5.2
	75 1,2-Diphenylhydrazine	77	8.431	8.431	(0.916)	182883	5.00000	4.8(a)
$	18 2,4,6-Tribromophenol (SUR)	330	8.513	8.513	(1.101)	22847	5.00000	5.1
	50 4-Bromophenyl-phenylether	248	8.760	8.760	(0.952)	45414	5.00000	4.9(a)
	51 Hexachlorobenzene	284	8.825	8.825	(0.959)	5034	0.50000	0.51
	112 Atrazine	200	8.925	8.925	(0.970)	40655	5.00000	5.0
	14 Pentachlorophenol	266	9.019	9.019	(0.980)	79738	15.0000	14(a)
	132 Pentachloronitrobenzene	237	9.036	9.036	(0.982)	20033	5.00000	5.2
	115 n-Octadecane	57	9.107	9.107	(0.990)	103877	5.00000	5.1
*	83 Phenanthrene-d10	188	9.201	9.201	(1.000)	1557472	40.0000	
	52 Phenanthrene	178	9.224	9.224	(1.003)	229201	5.00000	5.5
	53 Anthracene	178	9.271	9.271	(1.008)	229271	5.00000	5.5
	54 Carbazole	167	9.436	9.436	(1.026)	181358	5.00000	5.4
	55 Di-n-butylphthalate	149	9.783	9.783	(1.063)	217494	5.00000	5.3
	56 Fluoranthene	202	10.394	10.394	(1.130)	188711	5.00000	5.4
	58 Benzidine	184	10.529	10.529	(1.144)	30765	5.00000	6.5
	57 Pyrene	202	10.617	10.617	(0.888)	187847	5.00000	5.2
$	78 Terphenyl-d14	244	10.775	10.775	(0.902)	120570	5.00000	4.9(a)
	59 Butylbenzylphthalate	149	11.298	11.298	(0.945)	72988	5.00000	4.7(a)
	124 Carbamazepine	193	11.416	11.416	(0.955)	37896	5.00000	3.5(a)
	60 3,3'-Dichlorobenzidine	252	11.915	11.915	(0.997)	82750	10.0000	12
	61 Benzo(a)anthracene	228	11.939	11.939	(0.999)	14352	0.50000	0.55
*	81 Chrysene-d12	240	11.951	11.951	(1.000)	851767	40.0000	
	62 Chrysene	228	11.980	11.980	(1.002)	119806	5.00000	5.2
	63 bis(2-Ethylhexyl)phthalate	149	11.992	11.992	(1.003)	94252	5.00000	4.8(a)
	64 Di-n-octylphthalate	149	12.838	12.838	(0.927)	121784	5.00000	4.3(a)
	65 Benzo(b)fluoranthene	252	13.331	13.331	(0.963)	8395	0.50000	0.43(a)
	66 Benzo(k)fluoranthene	252	13.361	13.361	(0.965)	8604	0.50000	0.44(a)
	67 Benzo(a)pyrene	252	13.766	13.766	(0.994)	6630	0.50000	0.42(a)
*	84 Perylene-d12	264	13.848	13.848	(1.000)	599903	40.0000	
	68 Indeno(1,2,3-cd)pyrene	276	15.329	15.329	(1.107)	5454	0.50000	0.36(aH)
	69 Dibenz(a,h)anthracene	278	15.364	15.364	(1.109)	5251	0.50000	0.37(aM)
	70 Benzo(g,h,i)perylene	276	15.729	15.729	(1.136)	64402	5.00000	4.3(a)

Data File: /chem/BNAMS10.i/8270/05-16-12/16may12.b/p30116.d
Report Date: 17-May-2012 00:42

QC Flag Legend

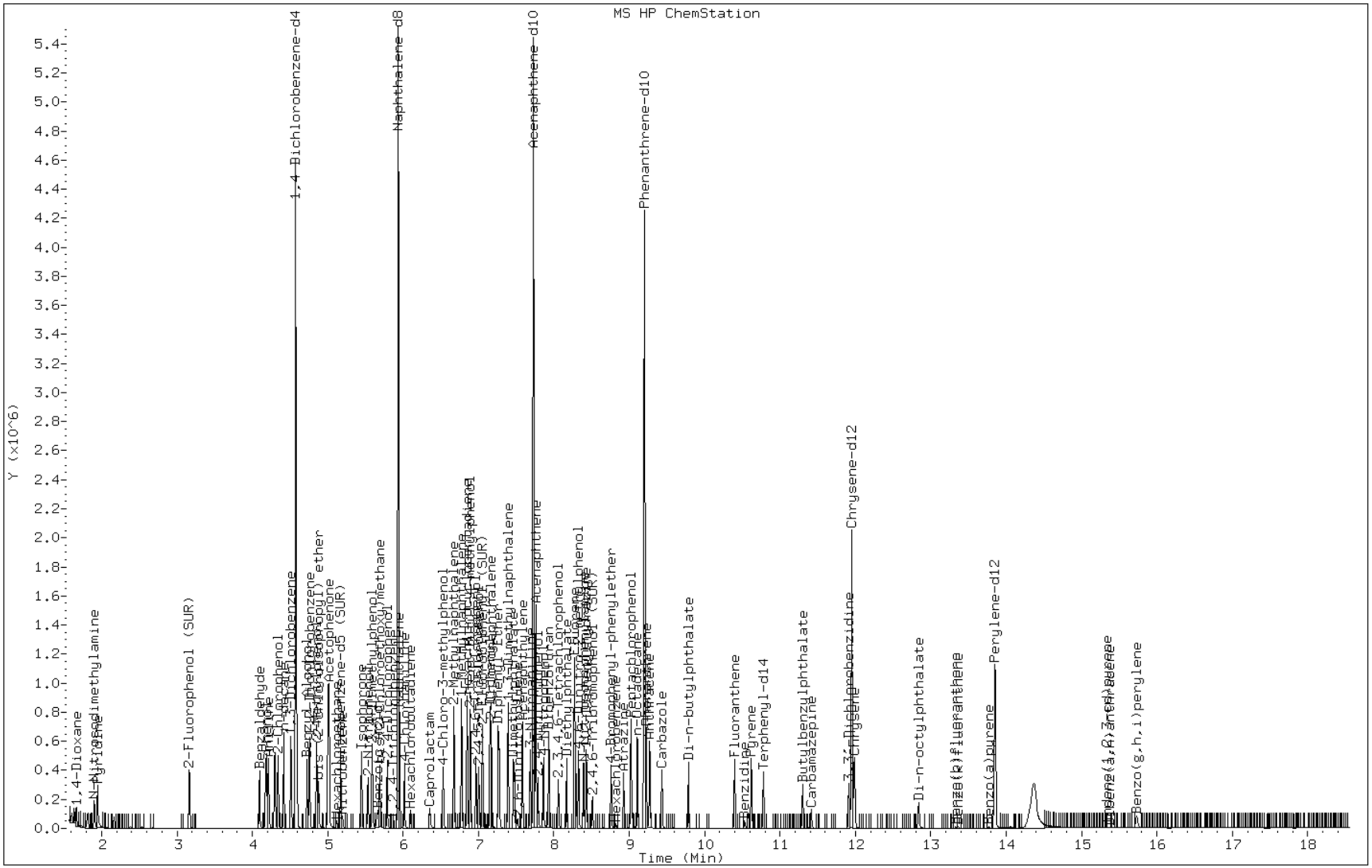
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: p30116.d

Date: 16-MAY-2012 14:39

Client ID: Instrument: BNAMS10.i

Sample Info: IC-1519301 Operator: BNAMS 4



Manual Integration Report

Data File: p30116.d
Inj. Date and Time: 16-MAY-2012 14:39
Instrument ID: BNAMS10.i
Client ID:
Compound: 44 2,4-Dinitrotoluene
CAS #: 121-14-2
Report Date: 05/17/2012

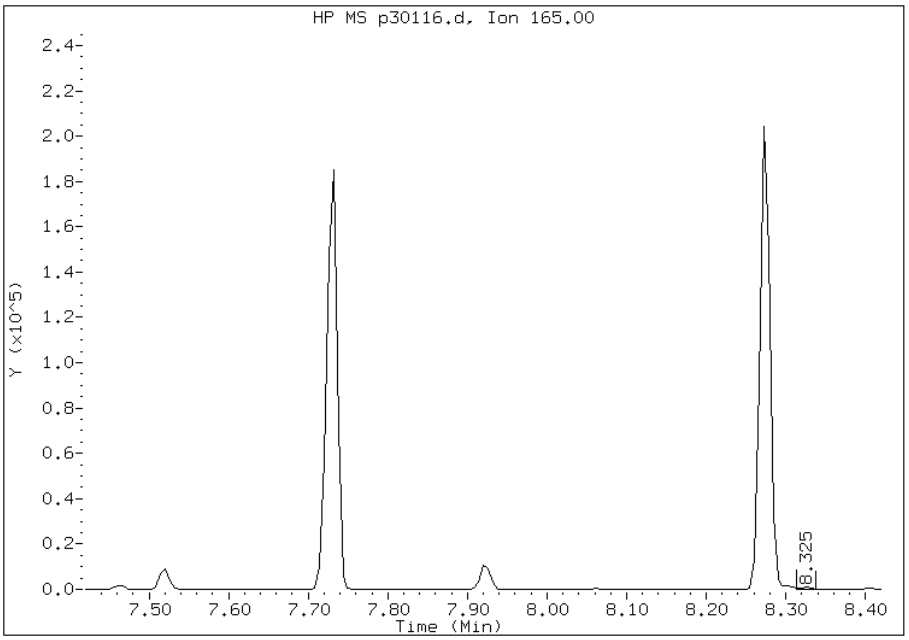
Processing Integration Results

RT: 8.33

Response: 1035

Amount: 0

Conc: 0



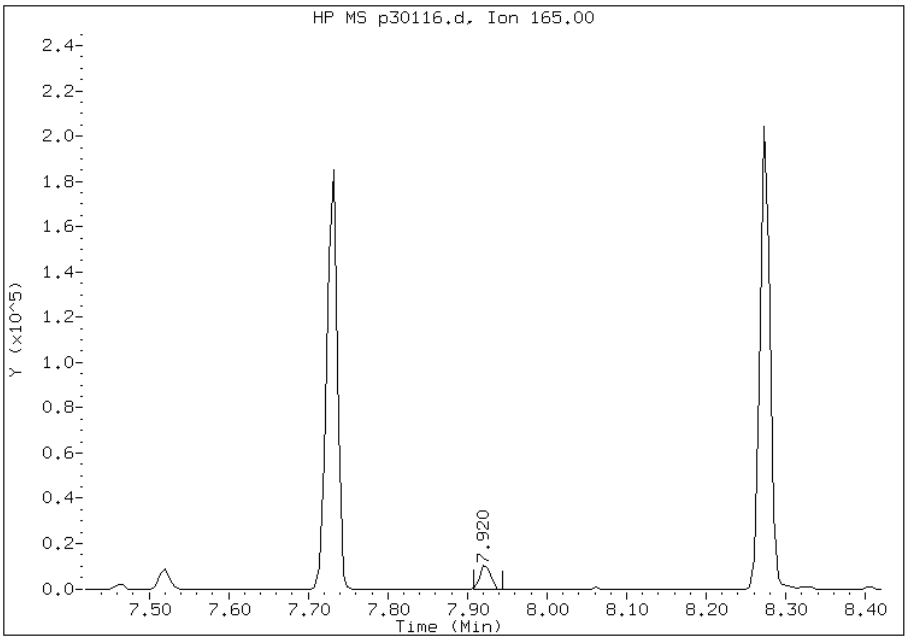
Manual Integration Results

RT: 7.92

Response: 9886

Amount: 1

Conc: 1



Manually Integrated By: wahied
Manual Integration Reason:

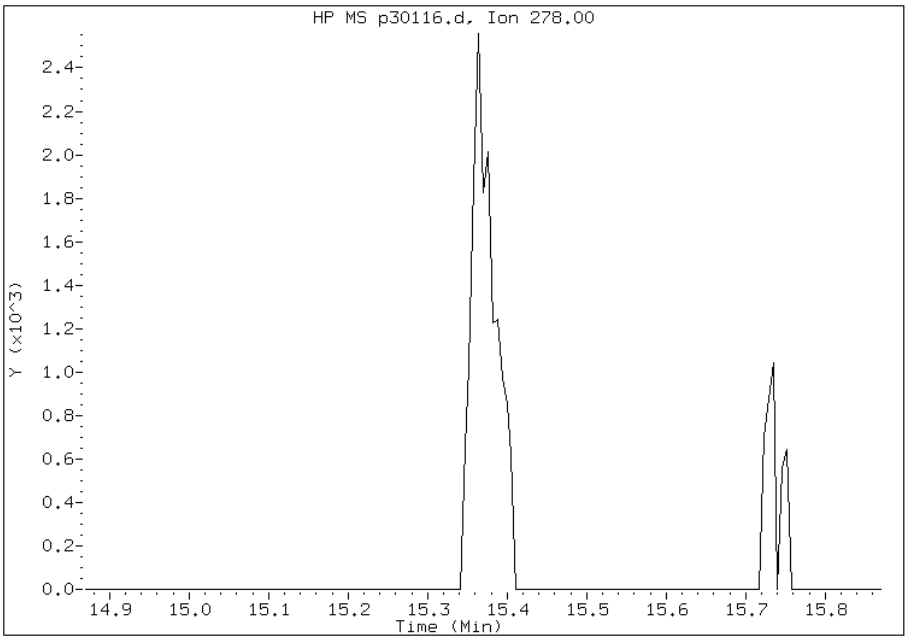
Manual Integration Report

Data File: p30116.d
Inj. Date and Time: 16-MAY-2012 14:39
Instrument ID: BNAMS10.i
Client ID:
Compound: 69 Dibenz(a,h)anthracene
CAS #: 53-70-3
Report Date: 05/17/2012

Processing Integration Results

Not Detected

Expected RT: 15.37



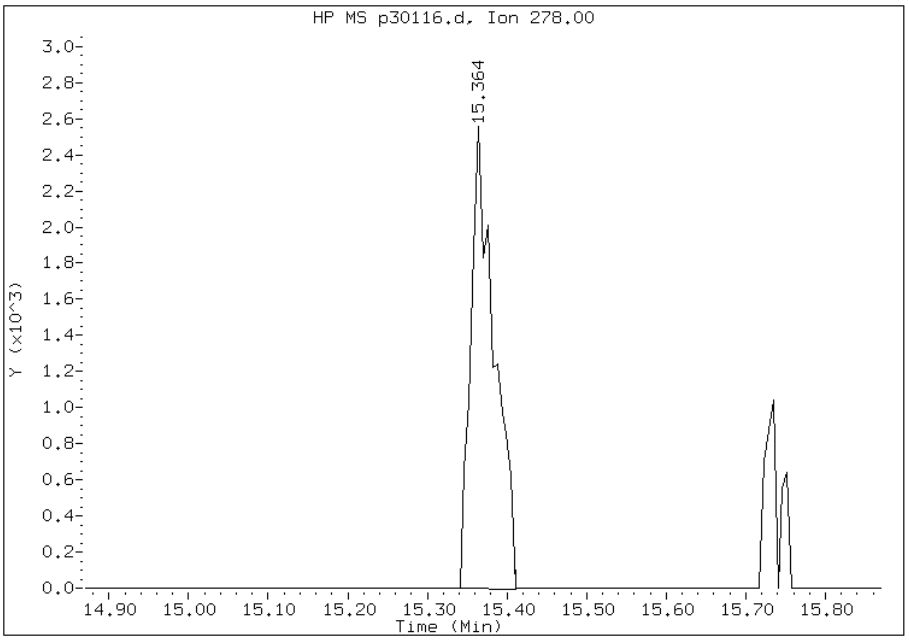
Manual Integration Results

RT: 15.36

Response: 5251

Amount: 0

Conc: 0



Manually Integrated By: wahied
Manual Integration Reason:

Data File: /chem/BNAMS10.i/8270/05-16-12/16may12.b/p30117.d
Report Date: 17-May-2012 00:42

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS10.i/8270/05-16-12/16may12.b/p30117.d
Lab Smp Id: IC-1519305
Inj Date : 16-MAY-2012 15:05
Operator : BNAMS 4 Inst ID: BNAMS10.i
Smp Info : IC-1519305
Misc Info : 80
Comment :
Method : /chem/BNAMS10.i/8270/05-16-12/16may12.b/8270C_11.m
Meth Date : 17-May-2012 00:42 asfawa Quant Type: ISTD
Cal Date : 16-MAY-2012 15:05 Cal File: p30117.d
Als bottle: 5 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * Uf*1000*Vt/(Ws*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
106	1,4-Dioxane	88	1.739	1.739	(0.379)	905770	80.0000	78
19	N-Nitrosodimethylamine	74	1.985	1.985	(0.433)	1341995	80.0000	77(H)
71	Pyridine	79	2.003	2.003	(0.437)	2253917	80.0000	76
$ 16	2-Fluorophenol (SUR)	112	3.202	3.202	(0.698)	2097414	80.0000	75
110	Benzaldehyde	77	4.112	4.112	(0.896)	467434	80.0000	41
$ 17	Phenol-d5 (SUR)	99	4.224	4.224	(0.921)	2511118	80.0000	76
73	Aniline	93	4.242	4.242	(0.924)	2945087	80.0000	77
1	Phenol	94	4.242	4.242	(0.924)	2657780	80.0000	76
20	bis(2-Chloroethyl)ether	93	4.324	4.324	(0.942)	2211558	80.0000	70(H)
2	2-Chlorophenol	128	4.377	4.377	(0.954)	2147319	80.0000	78
113	n-decane	43	4.430	4.430	(0.965)	1760125	80.0000	75(H)
21	1,3-Dichlorobenzene	146	4.535	4.535	(0.988)	2333517	80.0000	75
* 79	1,4-Dichlorobenzene-d4	152	4.588	4.588	(1.000)	824512	40.0000	

Data File: /chem/BNAMS10.i/8270/05-16-12/16may12.b/p30117.d
Report Date: 17-May-2012 00:42

		QUANT SIG					AMOUNTS CAL-AMT	ON-COL
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/ml)	(ug/ml)
	==========	====	==	======	======	========	=======	=======
22	1,4-Dichlorobenzene	146	4.612	4.612	(1.005)	2299462	80.0000	75
74	Benzyl Alcohol	108	4.759	4.759	(1.037)	1389557	80.0000	83
23	1,2-Dichlorobenzene	146	4.771	4.771	(1.040)	2149519	80.0000	75
3	2-Methylphenol	108	4.882	4.882	(1.064)	1841123	80.0000	78
24	bis (2-chloroisopropyl) ether	45	4.894	4.894	(1.067)	2022268	80.0000	75
104	Acetophenone	105	5.041	5.041	(1.099)	2572370	80.0000	74
25	N-Nitroso-di-n-propylamine	70	5.082	5.082	(1.108)	1410263	80.0000	81(MH)
4	4-Methylphenol	108	5.058	5.058	(1.102)	1787024	80.0000	75
123	3 & 4 Methylphenol	108	5.058	5.058	(1.102)	1784271	80.0000	75
26	Hexachloroethane	117	5.129	5.129	(1.118)	924688	80.0000	76
$ 76	Nitrobenzene-d5 (SUR)	82	5.199	5.199	(0.874)	2234945	80.0000	78
27	Nitrobenzene	77	5.223	5.223	(0.878)	2627621	80.0000	71
107	N,N-Dimethylaniline	120	5.223	5.223	(1.138)	2749238	80.0000	75(H)
28	Isophorone	82	5.481	5.481	(0.922)	3410257	80.0000	75(H)
5	2-Nitrophenol	139	5.552	5.552	(0.934)	1141196	80.0000	80
6	2,4-Dimethylphenol	122	5.617	5.617	(0.945)	1723823	80.0000	80
29	bis(2-Chloroethoxy)methane	93	5.711	5.711	(0.960)	2115715	80.0000	77
15	Benzoic Acid	122	5.822	5.822	(0.979)	1173061	80.0000	94(H)
7	2,4-Dichlorophenol	162	5.810	5.810	(0.977)	1516391	80.0000	78
30	1,2,4-Trichlorobenzene	180	5.893	5.893	(0.991)	1748895	80.0000	74
* 80	Naphthalene-d8	136	5.946	5.946	(1.000)	2636048	40.0000	
31	Naphthalene	128	5.969	5.969	(1.004)	4493069	80.0000	78
32	4-Chloroaniline	127	6.034	6.034	(1.015)	2002393	80.0000	78
33	Hexachlorobutadiene	225	6.104	6.104	(1.027)	948387	80.0000	74
111	Caprolactam	113	6.469	6.469	(1.088)	477794	80.0000	80(H)
8	4-Chloro-3-methylphenol	107	6.557	6.557	(1.103)	1459126	80.0000	76
34	2-Methylnaphthalene	142	6.686	6.686	(1.125)	3178307	80.0000	75
120	1-Methylnaphthalene	142	6.786	6.786	(1.141)	3215249	80.0000	74
35	Hexachlorocyclopentadiene	237	6.856	6.856	(0.886)	949039	80.0000	81
129	1,2,4,5-Tetrachlorobenzene	216	6.862	6.862	(0.887)	1469745	80.0000	81
121	2-tert-Butyl-4-methylphenol	149	6.909	6.909	(1.162)	2128820	80.0000	72
9	2,4,6-Trichlorophenol	196	6.986	6.986	(0.903)	1005827	80.0000	83
10	2,4,5-Trichlorophenol	196	7.027	7.027	(0.908)	924242	80.0000	81
$ 77	2-Fluorobiphenyl (SUR)	172	7.068	7.068	(0.913)	3171482	80.0000	76
102	Diphenyl	154	7.168	7.168	(0.926)	3241797	80.0000	73
36	2-Chloronaphthalene	162	7.185	7.185	(0.929)	2673658	80.0000	76
103	Diphenyl Ether	170	7.274	7.274	(0.940)	2003647	80.0000	78
37	2-Nitroaniline	65	7.297	7.297	(0.943)	820858	80.0000	75(H)
125	1,3-Dimethylnaphthalene	156	7.403	7.403	(0.957)	2336186	80.0000	76
38	Dimethylphthalate	163	7.485	7.485	(0.967)	2578330	80.0000	76
114	Coumarin	146	7.503	7.503	(1.262)	942041	80.0000	76
40	2,6-Dinitrotoluene	165	7.544	7.544	(0.975)	665122	80.0000	80
39	Acenaphthylene	152	7.597	7.597	(0.982)	3836624	80.0000	74
41	3-Nitroaniline	138	7.708	7.708	(0.996)	653975	80.0000	79
* 82	Acenaphthene-d10	164	7.738	7.738	(1.000)	1244684	40.0000	
42	Acenaphthene	154	7.773	7.773	(1.005)	2330655	80.0000	75
122	2,6-Di-tert-butyl-p-cresol	205	7.767	7.767	(1.004)	2117856	80.0000	73

Data File: /chem/BNAMS10.i/8270/05-16-12/16may12.b/p30117.d
Report Date: 17-May-2012 00:42

			QUANT SIG					AMOUNTS	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
	11	2,4-Dinitrophenol	184	7.808	7.808	(1.009)	393671	80.0000	80
	12	4-Nitrophenol	65	7.885	7.885	(1.019)	432323	80.0000	77
	44	2,4-Dinitrotoluene	165	7.937	7.937	(1.026)	785549	80.0000	79(H)
	43	Dibenzofuran	168	7.949	7.949	(1.027)	3242759	80.0000	75
	130	2,3,4,6-Tetrachlorophenol	232	8.073	8.073	(1.043)	604878	80.0000	81
	45	Diethylphthalate	149	8.184	8.184	(1.058)	2470692	80.0000	76
	47	Fluorene	166	8.284	8.284	(1.071)	2548544	80.0000	75
	46	4-Chlorophenyl-phenylether	204	8.284	8.284	(1.071)	1246659	80.0000	76
	48	4-Nitroaniline	138	8.319	8.319	(1.075)	621316	80.0000	82
	13	4,6-Dinitro-2-methylphenol	198	8.349	8.349	(0.906)	441121	80.0000	81
	49	N-Nitrosodiphenylamine	169	8.407	8.407	(0.913)	1855368	80.0000	80
	75	1,2-Diphenylhydrazine	77	8.443	8.443	(0.916)	2942047	80.0000	80
$	18	2,4,6-Tribromophenol (SUR)	330	8.525	8.525	(1.102)	377402	80.0000	82
	50	4-Bromophenyl-phenylether	248	8.772	8.772	(0.952)	704175	80.0000	78
	51	Hexachlorobenzene	284	8.836	8.836	(0.959)	741478	80.0000	77
	112	Atrazine	200	8.942	8.942	(0.971)	628099	80.0000	79
	14	Pentachlorophenol	266	9.030	9.030	(0.980)	474588	80.0000	83
	132	Pentachloronitrobenzene	237	9.048	9.048	(0.982)	305136	80.0000	81
	115	n-Octadecane	57	9.118	9.118	(0.990)	1489721	80.0000	76
*	83	Phenanthrene-d10	188	9.212	9.212	(1.000)	1527403	40.0000	
	52	Phenanthrene	178	9.236	9.236	(1.003)	2853247	80.0000	72
	53	Anthracene	178	9.283	9.283	(1.008)	3048439	80.0000	76
	54	Carbazole	167	9.442	9.442	(1.025)	2425670	80.0000	76
	55	Di-n-butylphthalate	149	9.788	9.788	(1.062)	3067898	80.0000	77
	56	Fluoranthene	202	10.405	10.405	(1.129)	2566932	80.0000	76
	58	Benzidine	184	10.534	10.534	(1.143)	133539	80.0000	37
	57	Pyrene	202	10.628	10.628	(0.888)	2461606	80.0000	77
$	78	Terphenyl-d14	244	10.787	10.787	(0.902)	1685200	80.0000	78
	59	Butylbenzylphthalate	149	11.304	11.304	(0.945)	1103903	80.0000	79
	124	Carbamazepine	193	11.428	11.428	(0.955)	798467	80.0000	80
	60	3,3'-Dichlorobenzidine	252	11.921	11.921	(0.997)	473384	80.0000	76
	61	Benzo(a)anthracene	228	11.945	11.945	(0.999)	1751491	80.0000	76
*	81	Chrysene-d12	240	11.962	11.962	(1.000)	761851	40.0000	
	62	Chrysene	228	11.992	11.992	(1.002)	1579816	80.0000	78
	63	bis(2-Ethylhexyl)phthalate	149	11.992	11.992	(1.002)	1446252	80.0000	82
	64	Di-n-octylphthalate	149	12.844	12.844	(0.927)	2004636	80.0000	81
	65	Benzo(b)fluoranthene	252	13.343	13.343	(0.963)	1429701	80.0000	84
	66	Benzo(k)fluoranthene	252	13.378	13.378	(0.966)	1370424	80.0000	80
	67	Benzo(a)pyrene	252	13.778	13.778	(0.994)	1108982	80.0000	81
*	84	Perylene-d12	264	13.854	13.854	(1.000)	519612	40.0000	
	68	Indeno(1,2,3-cd)pyrene	276	15.347	15.347	(1.108)	1090717	80.0000	79
	69	Dibenz(a,h)anthracene	278	15.382	15.382	(1.110)	1041462	80.0000	84
	70	Benzo(g,h,i)perylene	276	15.758	15.758	(1.137)	1032423	80.0000	80

Data File: /chem/BNAMS10.i/8270/05-16-12/16may12.b/p30117.d
Report Date: 17-May-2012 00:42

QC Flag Legend

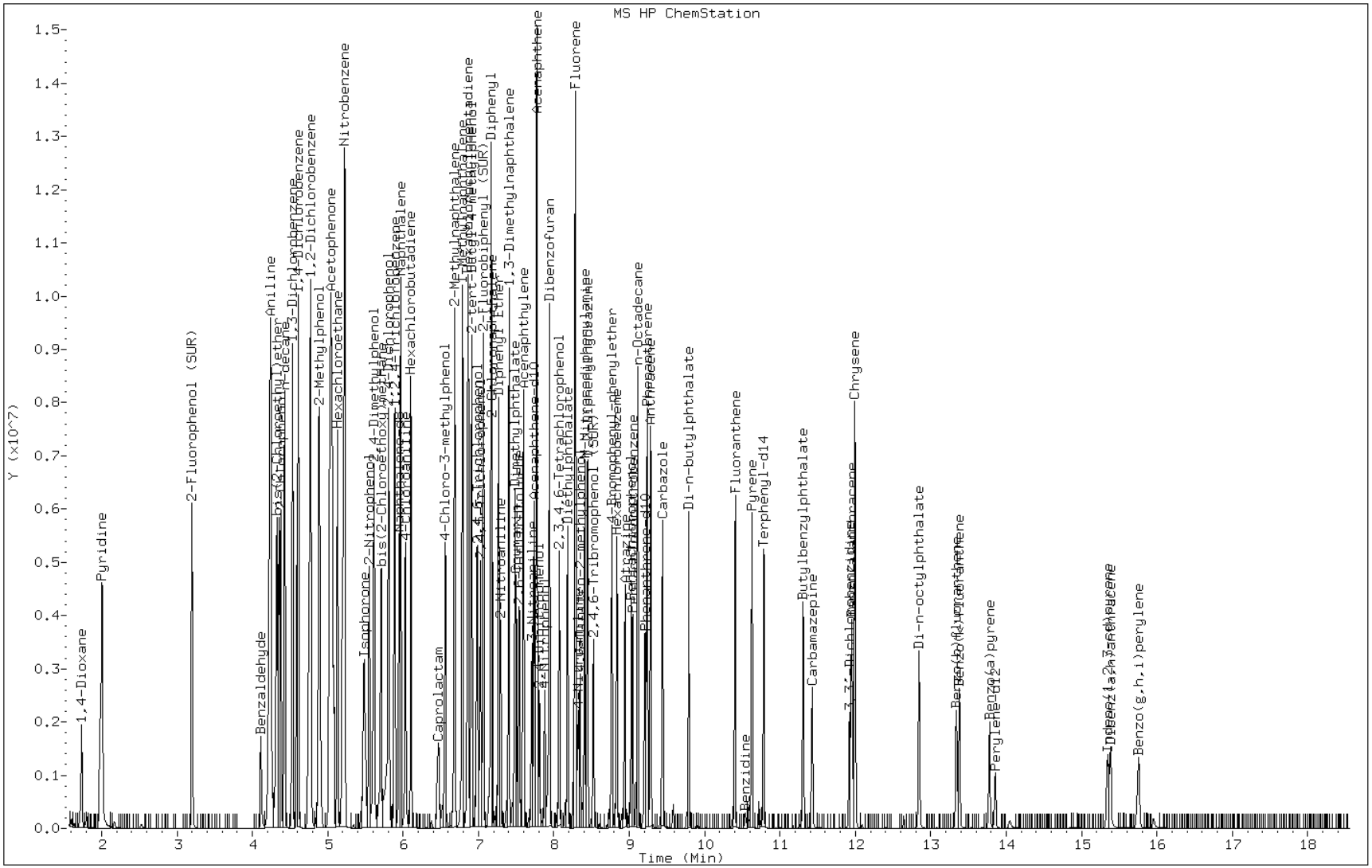
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: p30117.d

Date: 16-MAY-2012 15:05

Client ID: Instrument: BNAMS10.i

Sample Info: IC-1519305 Operator: BNAMS 4



Manual Integration Report

Data File: p30117.d
Inj. Date and Time: 16-MAY-2012 15:05
Instrument ID: BNAMS10.i
Client ID:
Compound: 25 N-Nitroso-di-n-propylamine
CAS #: 621-64-7
Report Date: 05/17/2012

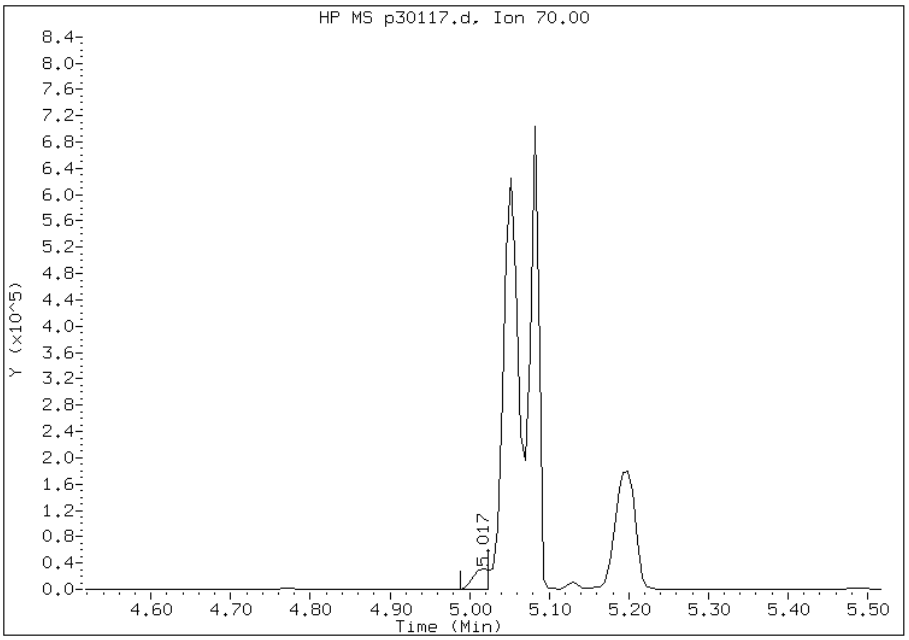
Processing Integration Results

RT: 5.02

Response: 42096

Amount: 3

Conc: 3



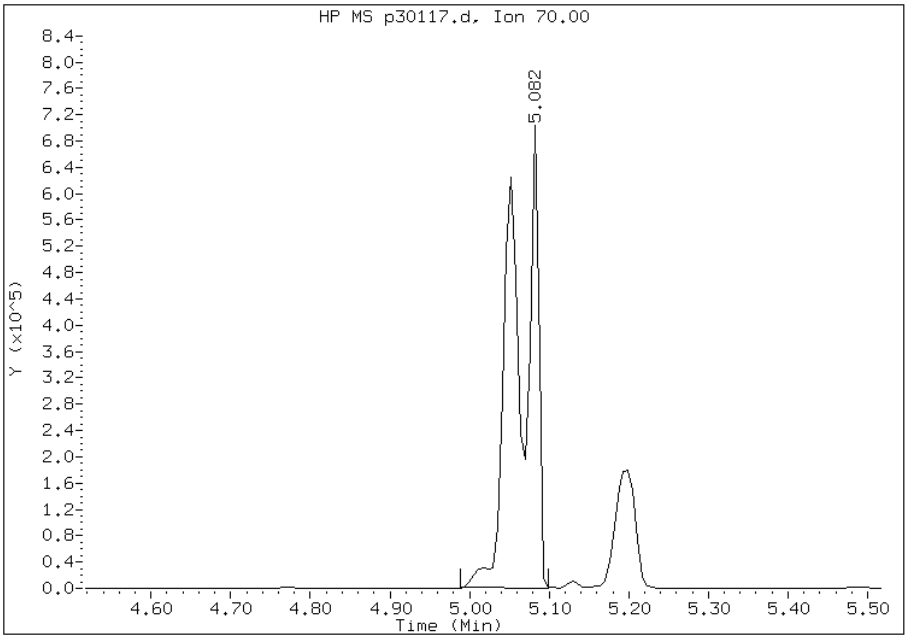
Manual Integration Results

RT: 5.08

Response: 1410263

Amount: 81

Conc: 81



Manually Integrated By: wahied
Manual Integration Reason:

Data File: /chem/BNAMS10.i/8270/05-16-12/16may12.b/p30118.d
Report Date: 17-May-2012 00:42

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS10.i/8270/05-16-12/16may12.b/p30118.d
Lab Smp Id: IC-1519303
Inj Date : 16-MAY-2012 15:32
Operator : BNAMS 4 Inst ID: BNAMS10.i
Smp Info : IC-1519303
Misc Info : 20
Comment :
Method : /chem/BNAMS10.i/8270/05-16-12/16may12.b/8270C_11.m
Meth Date : 17-May-2012 00:42 asfawa Quant Type: ISTD
Cal Date : 16-MAY-2012 15:32 Cal File: p30118.d
Als bottle: 6 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * Uf*1000*Vt/(Ws*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
	106 1,4-Dioxane	88	1.668	1.668	(0.364)	223420	20.0000	19(H)
	19 N-Nitrosodimethylamine	74	1.903	1.903	(0.416)	345905	20.0000	20
	71 Pyridine	79	1.933	1.933	(0.422)	597479	20.0000	20(H)
$	16 2-Fluorophenol (SUR)	112	3.161	3.161	(0.691)	590638	20.0000	21
	110 Benzaldehyde	77	4.095	4.095	(0.895)	285622	20.0000	23
$	17 Phenol-d5 (SUR)	99	4.189	4.189	(0.915)	710712	20.0000	21
	73 Aniline	93	4.218	4.218	(0.922)	856981	20.0000	22
	1 Phenol	94	4.201	4.201	(0.918)	794747	20.0000	22
	20 bis(2-Chloroethyl)ether	93	4.295	4.295	(0.938)	572704	20.0000	18(H)
	2 2-Chlorophenol	128	4.347	4.347	(0.950)	604666	20.0000	21
	113 n-decane	43	4.418	4.418	(0.965)	500003	20.0000	21(H)
	21 1,3-Dichlorobenzene	146	4.518	4.518	(0.987)	667109	20.0000	21
*	79 1,4-Dichlorobenzene-d4	152	4.577	4.577	(1.000)	837465	40.0000	

Data File: /chem/BNAMS10.i/8270/05-16-12/16may12.b/p30118.d
Report Date: 17-May-2012 00:42

							AMOUNTS	
		QUANT SIG					CAL-AMT	ON-COL
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/ml)	(ug/ml)
	22 1,4-Dichlorobenzene	146	4.594	4.594	(1.004)	669193	20.0000	21
	74 Benzyl Alcohol	108	4.729	4.729	(1.033)	353286	20.0000	21
	23 1,2-Dichlorobenzene	146	4.759	4.759	(1.040)	630159	20.0000	21
	3 2-Methylphenol	108	4.859	4.859	(1.062)	533472	20.0000	22
	24 bis (2-chloroisopropyl) ether	45	4.882	4.882	(1.067)	575379	20.0000	21
	104 Acetophenone	105	5.017	5.017	(1.096)	751940	20.0000	21
	25 N-Nitroso-di-n-propylamine	70	5.029	5.029	(1.099)	388517	20.0000	21
	4 4-Methylphenol	108	5.029	5.029	(1.099)	568709	20.0000	23
	123 3 & 4 Methylphenol	108	5.029	5.029	(1.099)	568709	20.0000	23
	26 Hexachloroethane	117	5.123	5.123	(1.119)	255218	20.0000	20
$	76 Nitrobenzene-d5 (SUR)	82	5.176	5.176	(0.871)	613958	20.0000	20
	27 Nitrobenzene	77	5.199	5.199	(0.875)	804387	20.0000	21
	107 N,N-Dimethylaniline	120	5.205	5.205	(1.137)	822631	20.0000	22(H)
	28 Isophorone	82	5.458	5.458	(0.919)	971300	20.0000	20
	5 2-Nitrophenol	139	5.534	5.534	(0.932)	311672	20.0000	21
	6 2,4-Dimethylphenol	122	5.593	5.593	(0.942)	507689	20.0000	22
	29 bis(2-Chloroethoxy)methane	93	5.693	5.693	(0.958)	592666	20.0000	21
	15 Benzoic Acid	122	5.734	5.734	(0.965)	339238	20.0000	25(H)
	7 2,4-Dichlorophenol	162	5.793	5.793	(0.975)	449261	20.0000	22
	30 1,2,4-Trichlorobenzene	180	5.881	5.881	(0.990)	499533	20.0000	20
*	80 Naphthalene-d8	136	5.940	5.940	(1.000)	2723581	40.0000	
	31 Naphthalene	128	5.957	5.957	(1.003)	1524200	20.0000	20
	32 4-Chloroaniline	127	6.022	6.022	(1.014)	594446	20.0000	22
	33 Hexachlorobutadiene	225	6.098	6.098	(1.027)	272517	20.0000	20
	111 Caprolactam	113	6.392	6.392	(1.076)	136312	20.0000	22
	8 4-Chloro-3-methylphenol	107	6.539	6.539	(1.101)	460926	20.0000	22
	34 2-Methylnaphthalene	142	6.674	6.674	(1.124)	980592	20.0000	22
	120 1-Methylnaphthalene	142	6.780	6.780	(1.141)	1009006	20.0000	22
	35 Hexachlorocyclopentadiene	237	6.850	6.850	(0.886)	245618	20.0000	18
	129 1,2,4,5-Tetrachlorobenzene	216	6.856	6.856	(0.887)	451483	20.0000	21
	121 2-tert-Butyl-4-methylphenol	149	6.897	6.897	(1.161)	694562	20.0000	22
	9 2,4,6-Trichlorophenol	196	6.974	6.974	(0.902)	280735	20.0000	20
	10 2,4,5-Trichlorophenol	196	7.009	7.009	(0.907)	280834	20.0000	21
$	77 2-Fluorobiphenyl (SUR)	172	7.056	7.056	(0.913)	1013515	20.0000	20
	102 Diphenyl	154	7.156	7.156	(0.926)	1116289	20.0000	21
	36 2-Chloronaphthalene	162	7.174	7.174	(0.928)	849252	20.0000	20
	103 Diphenyl Ether	170	7.262	7.262	(0.939)	615769	20.0000	20
	37 2-Nitroaniline	65	7.279	7.279	(0.941)	296064	20.0000	22
	125 1,3-Dimethylnaphthalene	156	7.397	7.397	(0.957)	750517	20.0000	21
	38 Dimethylphthalate	163	7.467	7.467	(0.966)	827369	20.0000	20
	114 Coumarin	146	7.485	7.485	(1.260)	288280	20.0000	22
	40 2,6-Dinitrotoluene	165	7.526	7.526	(0.973)	201474	20.0000	21
	39 Acenaphthylene	152	7.585	7.585	(0.981)	1299258	20.0000	21
	41 3-Nitroaniline	138	7.691	7.691	(0.995)	201219	20.0000	20
*	82 Acenaphthene-d10	164	7.732	7.732	(1.000)	1459380	40.0000	
	42 Acenaphthene	154	7.761	7.761	(1.004)	792237	20.0000	21
	122 2,6-Di-tert-butyl-p-cresol	205	7.761	7.761	(1.004)	769689	20.0000	22

Data File: /chem/BNAMS10.i/8270/05-16-12/16may12.b/p30118.d
Report Date: 17-May-2012 00:42

							AMOUNTS	
		QUANT SIG					CAL-AMT	ON-COL
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/ml)	(ug/ml)
	11 2,4-Dinitrophenol	184	7.796	7.796	(1.008)	147836	30.0000	26
	12 4-Nitrophenol	65	7.867	7.867	(1.017)	201409	30.0000	31
	44 2,4-Dinitrotoluene	165	7.926	7.926	(1.025)	232636	20.0000	20(MH)
	43 Dibenzofuran	168	7.937	7.937	(1.027)	1112629	20.0000	22
	130 2,3,4,6-Tetrachlorophenol	232	8.061	8.061	(1.043)	182256	20.0000	20
	45 Diethylphthalate	149	8.172	8.172	(1.057)	799314	20.0000	21
	47 Fluorene	166	8.278	8.278	(1.071)	867810	20.0000	21
	46 4-Chlorophenyl-phenylether	204	8.278	8.278	(1.071)	413130	20.0000	21
	48 4-Nitroaniline	138	8.296	8.296	(1.073)	190873	20.0000	21
	13 4,6-Dinitro-2-methylphenol	198	8.331	8.331	(0.905)	190856	30.0000	30
	49 N-Nitrosodiphenylamine	169	8.396	8.396	(0.912)	566903	20.0000	21
	75 1,2-Diphenylhydrazine	77	8.437	8.437	(0.916)	995682	20.0000	22
$	18 2,4,6-Tribromophenol (SUR)	330	8.513	8.513	(1.101)	112486	20.0000	21
	50 4-Bromophenyl-phenylether	248	8.760	8.760	(0.951)	212637	20.0000	20
	51 Hexachlorobenzene	284	8.831	8.831	(0.959)	230897	20.0000	20
	112 Atrazine	200	8.930	8.930	(0.970)	188890	20.0000	20
	14 Pentachlorophenol	266	9.024	9.024	(0.980)	199995	30.0000	30
	132 Pentachloronitrobenzene	237	9.036	9.036	(0.981)	90634	20.0000	20
	115 n-Octadecane	57	9.113	9.113	(0.990)	482538	20.0000	21
*	83 Phenanthrene-d10	188	9.207	9.207	(1.000)	1777527	40.0000	
	52 Phenanthrene	178	9.224	9.224	(1.002)	1000521	20.0000	21
	53 Anthracene	178	9.277	9.277	(1.008)	1021542	20.0000	21
	54 Carbazole	167	9.436	9.436	(1.025)	815812	20.0000	21
	55 Di-n-butylphthalate	149	9.788	9.788	(1.063)	1024779	20.0000	22
	56 Fluoranthene	202	10.399	10.399	(1.130)	826716	20.0000	21
	58 Benzidine	184	10.529	10.529	(1.144)	306252	30.0000	53
	57 Pyrene	202	10.623	10.623	(0.888)	806628	20.0000	21
$	78 Terphenyl-d14	244	10.781	10.781	(0.902)	542852	20.0000	21
	59 Butylbenzylphthalate	149	11.298	11.298	(0.945)	329323	20.0000	20
	124 Carbamazepine	193	11.416	11.416	(0.955)	215009	20.0000	18
	60 3,3'-Dichlorobenzidine	252	11.915	11.915	(0.997)	258456	30.0000	34
	61 Benzo(a)anthracene	228	11.939	11.939	(0.999)	525997	20.0000	19
*	81 Chrysene-d12	240	11.956	11.956	(1.000)	914395	40.0000	
	62 Chrysene	228	11.986	11.986	(1.002)	499472	20.0000	20
	63 bis(2-Ethylhexyl)phthalate	149	11.992	11.992	(1.003)	425916	20.0000	20
	64 Di-n-octylphthalate	149	12.838	12.838	(0.927)	565127	20.0000	20
	65 Benzo(b)fluoranthene	252	13.331	13.331	(0.962)	390633	20.0000	20
	66 Benzo(k)fluoranthene	252	13.366	13.366	(0.965)	419385	20.0000	21
	67 Benzo(a)pyrene	252	13.772	13.772	(0.994)	315274	20.0000	20
*	84 Perylene-d12	264	13.854	13.854	(1.000)	599806	40.0000	
	68 Indeno(1,2,3-cd)pyrene	276	15.335	15.335	(1.107)	265601	20.0000	18
	69 Dibenz(a,h)anthracene	278	15.370	15.370	(1.109)	272649	20.0000	19
	70 Benzo(g,h,i)perylene	276	15.740	15.740	(1.136)	281673	20.0000	19

Data File: /chem/BNAMS10.i/8270/05-16-12/16may12.b/p30118.d
Report Date: 17-May-2012 00:42

QC Flag Legend

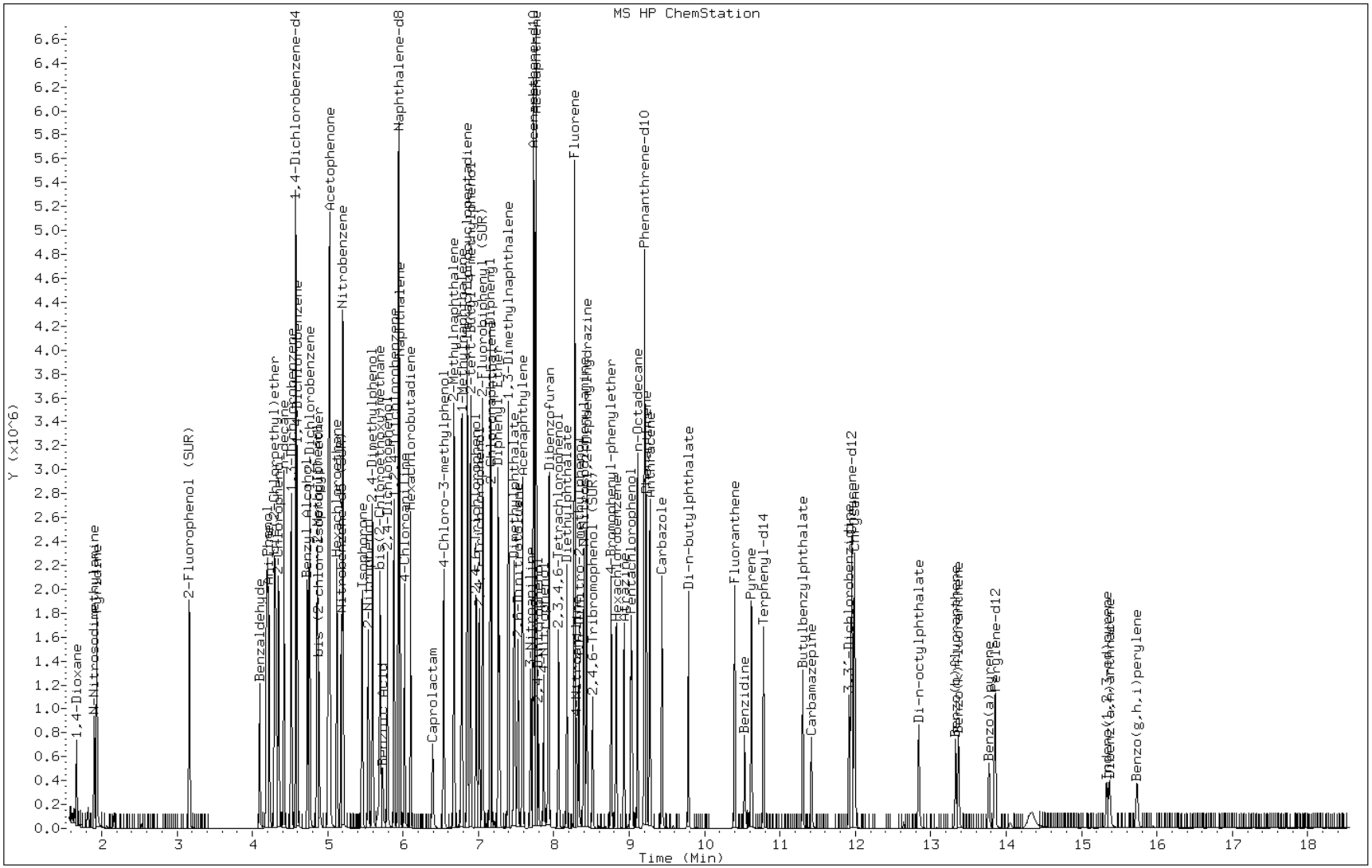
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: p30118.d

Date: 16-MAY-2012 15:32

Client ID: Instrument: BNAMS10.i

Sample Info: IC-1519303 Operator: BNAMS 4



Manual Integration Report

Data File: p30118.d
Inj. Date and Time: 16-MAY-2012 15:32
Instrument ID: BNAMS10.i
Client ID:
Compound: 44 2,4-Dinitrotoluene
CAS #: 121-14-2
Report Date: 05/17/2012

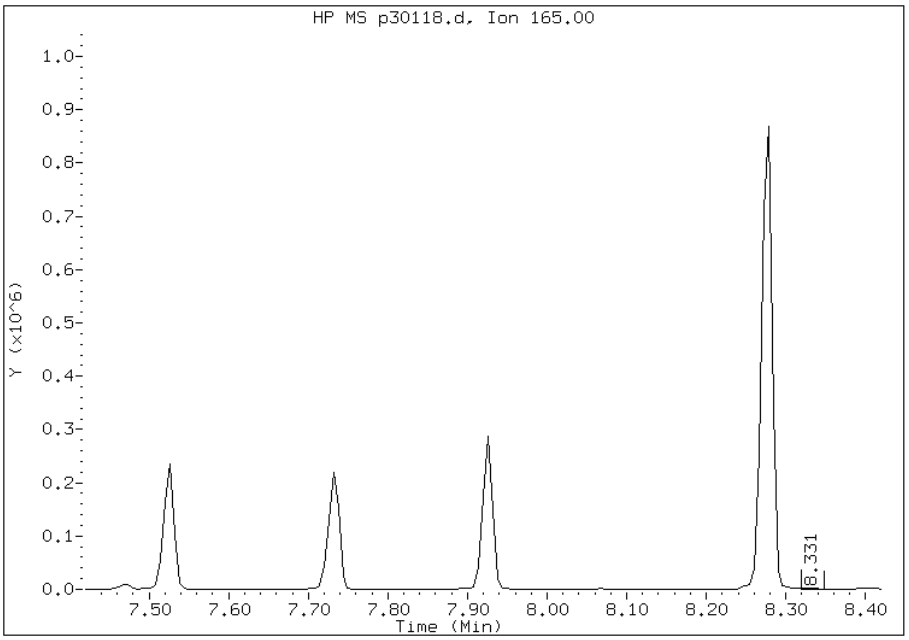
Processing Integration Results

RT: 8.33

Response: 2733

Amount: 0

Conc: 0



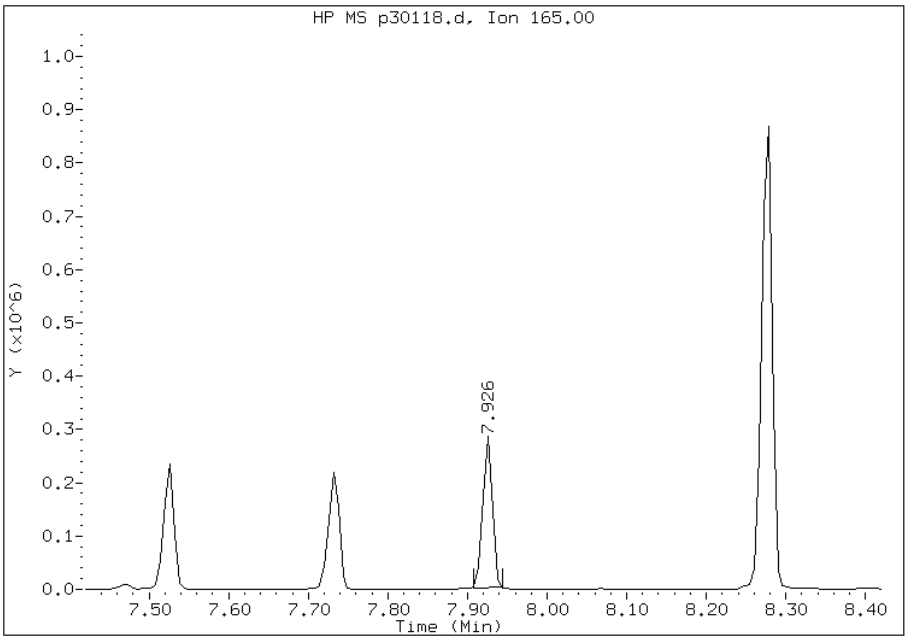
Manual Integration Results

RT: 7.93

Response: 232636

Amount: 20

Conc: 20



Manually Integrated By: wahied
Manual Integration Reason:

Data File: /chem/BNAMS10.i/8270/05-16-12/16may12.b/p30119.d
Report Date: 17-May-2012 00:42

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS10.i/8270/05-16-12/16may12.b/p30119.d
Lab Smp Id: IC-1519302
Inj Date : 16-MAY-2012 15:59
Operator : BNAMS 4 Inst ID: BNAMS10.i
Smp Info : IC-1519302
Misc Info : 10
Comment :
Method : /chem/BNAMS10.i/8270/05-16-12/16may12.b/8270C_11.m
Meth Date : 17-May-2012 00:42 asfawa Quant Type: ISTD
Cal Date : 16-MAY-2012 15:59 Cal File: p30119.d
Als bottle: 7 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * Uf*1000*Vt/(Ws*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
	106 1,4-Dioxane	88	1.662	1.662	(0.363)	101426	10.0000	10(H)
	19 N-Nitrosodimethylamine	74	1.897	1.897	(0.415)	146958	10.0000	10
	71 Pyridine	79	1.933	1.933	(0.422)	267568	10.0000	10(H)
$	16 2-Fluorophenol (SUR)	112	3.161	3.161	(0.691)	247744	10.0000	10
	110 Benzaldehyde	77	4.095	4.095	(0.895)	107566	10.0000	10
$	17 Phenol-d5 (SUR)	99	4.177	4.177	(0.913)	300768	10.0000	10
	73 Aniline	93	4.212	4.212	(0.920)	364076	10.0000	11
	1 Phenol	94	4.195	4.195	(0.917)	332600	10.0000	11
	20 bis(2-Chloroethyl)ether	93	4.289	4.289	(0.937)	247237	10.0000	9.4(H)
	2 2-Chlorophenol	128	4.347	4.347	(0.950)	260905	10.0000	11
	113 n-decane	43	4.418	4.418	(0.965)	220496	10.0000	11(H)
	21 1,3-Dichlorobenzene	146	4.512	4.512	(0.986)	301308	10.0000	11
*	79 1,4-Dichlorobenzene-d4	152	4.577	4.577	(1.000)	704694	40.0000	

Data File: /chem/BNAMS10.i/8270/05-16-12/16may12.b/p30119.d
Report Date: 17-May-2012 00:42

							AMOUNTS	
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
	==========	====	==	======	======	========	=======	=======
	22 1,4-Dichlorobenzene	146	4.594	4.594	(1.004)	293928	10.0000	11
	74 Benzyl Alcohol	108	4.723	4.723	(1.032)	138908	10.0000	9.7
	23 1,2-Dichlorobenzene	146	4.759	4.759	(1.040)	276355	10.0000	11
	3 2-Methylphenol	108	4.853	4.853	(1.060)	221196	10.0000	10
	24 bis (2-chloroisopropyl) ether	45	4.876	4.876	(1.065)	246368	10.0000	10
	104 Acetophenone	105	5.011	5.011	(1.095)	328411	10.0000	11
	25 N-Nitroso-di-n-propylamine	70	5.017	5.017	(1.096)	162346	10.0000	10
	4 4-Methylphenol	108	5.023	5.023	(1.098)	239987	10.0000	11
	123 3 & 4 Methylphenol	108	5.023	5.023	(1.098)	245094	10.0000	11
	26 Hexachloroethane	117	5.123	5.123	(1.119)	110705	10.0000	10
$	76 Nitrobenzene-d5 (SUR)	82	5.170	5.170	(0.871)	257939	10.0000	10
	27 Nitrobenzene	77	5.194	5.194	(0.875)	341878	10.0000	10
	107 N,N-Dimethylaniline	120	5.199	5.199	(1.136)	357347	10.0000	11(H)
	28 Isophorone	82	5.452	5.452	(0.919)	412180	10.0000	10
	5 2-Nitrophenol	139	5.534	5.534	(0.933)	127475	10.0000	10
	6 2,4-Dimethylphenol	122	5.593	5.593	(0.943)	208695	10.0000	11
	29 bis(2-Chloroethoxy)methane	93	5.687	5.687	(0.958)	245979	10.0000	10
	15 Benzoic Acid	122	5.693	5.693	(0.959)	115845	10.0000	10(H)
	7 2,4-Dichlorophenol	162	5.787	5.787	(0.975)	183025	10.0000	11
	30 1,2,4-Trichlorobenzene	180	5.881	5.881	(0.991)	211631	10.0000	10
*	80 Naphthalene-d8	136	5.934	5.934	(1.000)	2250638	40.0000	
	31 Naphthalene	128	5.957	5.957	(1.004)	672063	10.0000	9.8
	32 4-Chloroaniline	127	6.016	6.016	(1.014)	241305	10.0000	11
	33 Hexachlorobutadiene	225	6.098	6.098	(1.028)	115328	10.0000	10
	111 Caprolactam	113	6.363	6.363	(1.072)	50842	10.0000	9.8
	8 4-Chloro-3-methylphenol	107	6.533	6.533	(1.101)	186307	10.0000	11
	34 2-Methylnaphthalene	142	6.674	6.674	(1.125)	412421	10.0000	11
	120 1-Methylnaphthalene	142	6.774	6.774	(1.142)	415047	10.0000	11
	35 Hexachlorocyclopentadiene	237	6.845	6.845	(0.885)	95617	10.0000	9.0
	129 1,2,4,5-Tetrachlorobenzene	216	6.850	6.850	(0.886)	183114	10.0000	10
	121 2-tert-Butyl-4-methylphenol	149	6.892	6.892	(1.161)	284887	10.0000	11
	9 2,4,6-Trichlorophenol	196	6.968	6.968	(0.901)	108266	10.0000	9.6
	10 2,4,5-Trichlorophenol	196	7.003	7.003	(0.906)	117783	10.0000	11
$	77 2-Fluorobiphenyl (SUR)	172	7.056	7.056	(0.913)	426264	10.0000	11
	102 Diphenyl	154	7.150	7.150	(0.925)	482667	10.0000	11
	36 2-Chloronaphthalene	162	7.168	7.168	(0.927)	357604	10.0000	11
	103 Diphenyl Ether	170	7.262	7.262	(0.939)	260608	10.0000	10
	37 2-Nitroaniline	65	7.273	7.273	(0.941)	120833	10.0000	11
	125 1,3-Dimethylnaphthalene	156	7.391	7.391	(0.956)	308046	10.0000	10
	38 Dimethylphthalate	163	7.467	7.467	(0.966)	340630	10.0000	10
	114 Coumarin	146	7.479	7.479	(1.260)	111137	10.0000	10
	40 2,6-Dinitrotoluene	165	7.520	7.520	(0.973)	81120	10.0000	10
	39 Acenaphthylene	152	7.585	7.585	(0.981)	552135	10.0000	11
	41 3-Nitroaniline	138	7.685	7.685	(0.994)	80260	10.0000	10
*	82 Acenaphthene-d10	164	7.732	7.732	(1.000)	1169242	40.0000	
	42 Acenaphthene	154	7.761	7.761	(1.004)	330503	10.0000	11
	122 2,6-Di-tert-butyl-p-cresol	205	7.761	7.761	(1.004)	308157	10.0000	11

Data File: /chem/BNAMS10.i/8270/05-16-12/16may12.b/p30119.d
Report Date: 17-May-2012 00:42

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
	11 2,4-Dinitrophenol	184	7.791	7.791	(1.008)	62885	20.0000	14(a)
	12 4-Nitrophenol	65	7.861	7.861	(1.017)	101171	20.0000	19
	44 2,4-Dinitrotoluene	165	7.920	7.920	(1.024)	94402	10.0000	10(H)
	43 Dibenzofuran	168	7.932	7.932	(1.026)	466206	10.0000	11
	130 2,3,4,6-Tetrachlorophenol	232	8.061	8.061	(1.043)	72699	10.0000	10
	45 Diethylphthalate	149	8.172	8.172	(1.057)	326894	10.0000	10
	47 Fluorene	166	8.272	8.272	(1.070)	368109	10.0000	11
	46 4-Chlorophenyl-phenylether	204	8.278	8.278	(1.071)	170543	10.0000	11
	48 4-Nitroaniline	138	8.296	8.296	(1.073)	74921	10.0000	10
	13 4,6-Dinitro-2-methylphenol	198	8.325	8.325	(0.905)	91433	20.0000	18
	49 N-Nitrosodiphenylamine	169	8.396	8.396	(0.912)	219439	10.0000	9.9
	75 1,2-Diphenylhydrazine	77	8.431	8.431	(0.916)	410640	10.0000	11
$	18 2,4,6-Tribromophenol (SUR)	330	8.513	8.513	(1.101)	43459	10.0000	10
	50 4-Bromophenyl-phenylether	248	8.760	8.760	(0.952)	89955	10.0000	10
	51 Hexachlorobenzene	284	8.825	8.825	(0.959)	93176	10.0000	10
	112 Atrazine	200	8.925	8.925	(0.970)	76508	10.0000	10
	14 Pentachlorophenol	266	9.019	9.019	(0.980)	103209	20.0000	19
	132 Pentachloronitrobenzene	237	9.036	9.036	(0.982)	35958	10.0000	10
	115 n-Octadecane	57	9.107	9.107	(0.990)	191761	10.0000	10
*	83 Phenanthrene-d10	188	9.201	9.201	(1.000)	1446524	40.0000	
	52 Phenanthrene	178	9.224	9.224	(1.003)	428968	10.0000	11
	53 Anthracene	178	9.271	9.271	(1.008)	424284	10.0000	11
	54 Carbazole	167	9.436	9.436	(1.026)	342374	10.0000	11
	55 Di-n-butylphthalate	149	9.782	9.782	(1.063)	422414	10.0000	11
	56 Fluoranthene	202	10.393	10.393	(1.130)	349885	10.0000	11
	58 Benzidine	184	10.529	10.529	(1.144)	216941	20.0000	37
	57 Pyrene	202	10.617	10.617	(0.888)	343554	10.0000	10
$	78 Terphenyl-d14	244	10.775	10.775	(0.902)	227378	10.0000	10
	59 Butylbenzylphthalate	149	11.298	11.298	(0.945)	135977	10.0000	9.7
	124 Carbamazepine	193	11.416	11.416	(0.955)	80848	10.0000	8.3
	60 3,3'-Dichlorobenzidine	252	11.915	11.915	(0.997)	147682	20.0000	22
	61 Benzo(a)anthracene	228	11.939	11.939	(0.999)	228487	10.0000	9.8
*	81 Chrysene-d12	240	11.950	11.950	(1.000)	777209	40.0000	
	62 Chrysene	228	11.980	11.980	(1.002)	221892	10.0000	10
	63 bis(2-Ethylhexyl)phthalate	149	11.992	11.992	(1.003)	176156	10.0000	9.8
	64 Di-n-octylphthalate	149	12.838	12.838	(0.927)	241162	10.0000	9.2
	65 Benzo(b)fluoranthene	252	13.331	13.331	(0.963)	180725	10.0000	9.9
	66 Benzo(k)fluoranthene	252	13.366	13.366	(0.965)	183883	10.0000	9.9
	67 Benzo(a)pyrene	252	13.766	13.766	(0.994)	145406	10.0000	10
*	84 Perylene-d12	264	13.848	13.848	(1.000)	556133	40.0000	
	68 Indeno(1,2,3-cd)pyrene	276	15.329	15.329	(1.107)	127090	10.0000	9.5
	69 Dibenz(a,h)anthracene	278	15.370	15.370	(1.110)	126955	10.0000	9.7
	70 Benzo(g,h,i)perylene	276	15.734	15.734	(1.136)	133280	10.0000	9.8

Data File: /chem/BNAMS10.i/8270/05-16-12/16may12.b/p30119.d
Report Date: 17-May-2012 00:42

QC Flag Legend

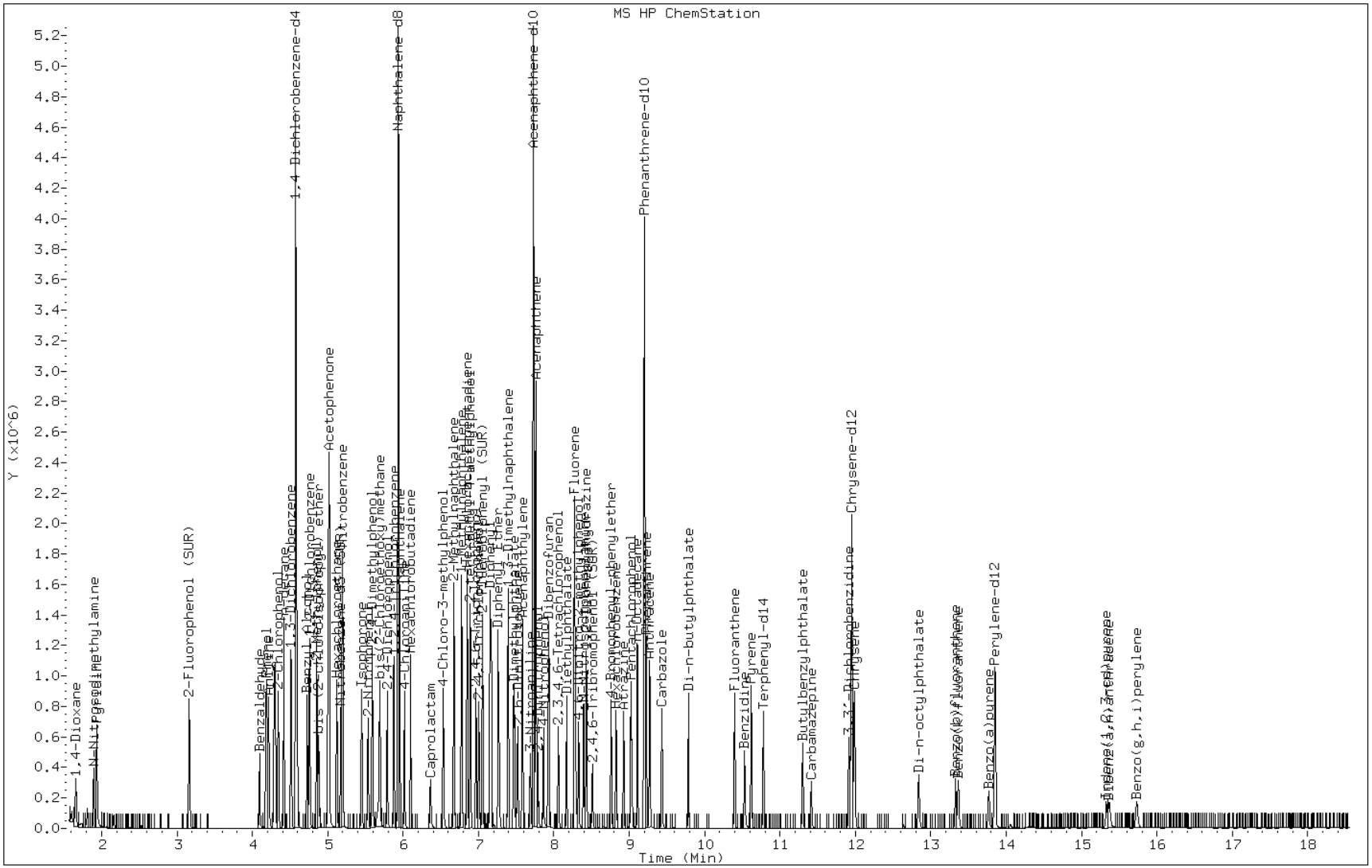
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
H - Operator selected an alternate compound hit.

Data File: p30119.d

Date: 16-MAY-2012 15:59

Client ID: Instrument: BNAMS10.i

Sample Info: IC-1519302 Operator: BNAMS 4



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

Lab Name: TestAmerica Edison Job No.: 460-40258-1 Analy Batch No.: 113330

SDG No.:

Instrument ID: BNAMS4 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/18/2012 12:10 Calibration End Date: 05/18/2012 14:04 Calibration ID: 15641

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-113330/4	u76540.d
Level 2	IC 460-113330/7	u76543.d
Level 3	IC 460-113330/6	u76542.d
Level 4	ICIS 460-113330/2	u76538.d
Level 5	IC 460-113330/5	u76541.d
Level 6	IC 460-113330/3	u76539.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
1-Naphthylamine	0 0	0	0	0	0	Ave								30.0			
2-Naphthylamine	0 0	0	0	0	0	Ave								15.0			
o-Toluidine	0 0	0	0	0	0	Ave								15.0			
1,4-Dioxane	0.4958 0.5851	0.5545	0.5284	0.5576	0.5446	Ave		0.5443				5.5		15.0			
2,3,7,8-TCDD (Screen)	+++++ +++++	+++++	+++++	0.0875	+++++	Ave		0.0875						15.0			
N-Nitrosodimethylamine	1.0090 1.1783	1.0871	1.0955	1.1789	1.1788	Ave		1.1213				6.2		15.0			
Pyridine	1.3349 1.8179	1.6754	1.5674	1.7993	1.7747	Ave		1.6616				11.2		15.0			
Benzaldehyde	1.3750 +++++	0.9308	0.8861	0.4993	0.3282	Ave		0.8039				50.8	*	15.0			
Phenol	1.8355 2.2505	1.9448	2.0066	2.3843	2.4538	Ave		2.1459				11.8		30.0			
Aniline	2.0771 2.1914	2.2733	2.2169	2.4781	2.4894	Ave		2.2877				7.2		15.0			
Bis(2-chloroethyl)ether	1.5890 2.0925	1.5823	1.6392	1.6336	1.5729	Ave		1.6849				12.0		15.0			
2-Chlorophenol	1.0493 1.2837	1.1621	1.1922	1.3472	1.3915	Ave		1.2377				10.3		15.0			
Decane	2.2069 2.3876	2.3375	2.2369	2.2532	2.1689	Ave		2.2652				3.6		15.0			
1,3-Dichlorobenzene	1.2897 1.7320	1.3210	1.3521	1.4993	1.5038	Ave		1.4496				11.4		15.0			
1,4-Dichlorobenzene	1.3760 1.8195	1.4375	1.3594	1.6507	1.5922	Ave		1.5392				11.7		30.0			

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 Edison Job No.: 460-40258-1 Analy Batch No.: 113330

SDG No.:

Instrument ID: BNAMS4 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/18/2012 12:10 Calibration End Date: 05/18/2012 14:04 Calibration ID: 15641

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Benzyl alcohol	0.9296 1.1006	0.9829	1.0147	1.1369	1.1378	Ave		1.0504				8.3		15.0			
1,2-Dichlorobenzene	1.2895 1.7500	1.3091	1.3040	1.3982	1.4722	Ave		1.4205				12.4		15.0			
2-Methylphenol	1.2640 1.4837	1.4269	1.3468	1.5426	1.5443	Ave		1.4347				7.8		15.0			
2,2'-oxybis[1-chloropropane]	3.0923 3.5530	3.5061	3.3178	3.5239	3.4727	Ave		3.4110				5.2		15.0			
Acetophenone	2.5175 2.7931	2.7987	2.8049	2.9440	2.8683	Ave		2.7878				5.2		15.0			
3 & 4 Methylphenol	1.5111 1.6765	1.6815	1.7828	1.9686	2.0052	Ave		1.7709				10.7		15.0			
4-Methylphenol	1.5111 1.6765	1.6815	1.7828	1.9686	2.0052	Ave		1.7709				10.7		15.0			
N-Nitrosodi-n-propylamine	1.3076 1.8056	1.8625	1.8022	1.9930	1.9038	Ave		1.7791			0.0500	13.6		15.0			
Hexachloroethane	0.8102 0.9774	0.8600	0.8784	0.9042	0.9161	Ave		0.8910				6.3		15.0			
Nitrobenzene	0.9797 1.1495	1.0370	1.0571	1.1431	1.0855	Ave		1.0753				6.0		15.0			
n,n'-Dimethylaniline	1.5785 2.5465	2.1231	2.1049	2.4475	2.5325	QuaF		0.4230	-0.004						0.9994		0.9900
Isophorone	1.1577 1.2353	1.2186	1.1694	1.2843	1.2202	Ave		1.2143				3.8		15.0			
2-Nitrophenol	0.1768 0.2306	0.2070	0.2027	0.2427	0.2319	Ave		0.2153				11.3		30.0			
2,4-Dimethylphenol	0.3023 0.3497	0.3189	0.3094	0.3717	0.3608	Ave		0.3355				8.7		15.0			
Bis(2-chloroethoxy)methane	0.5086 0.6195	0.5387	0.5374	0.6144	0.5883	Ave		0.5678				8.1		15.0			
Benzoic acid	0.2383 0.2091	0.2655	0.2706	0.2774	0.2235	Ave		0.2474				11.3		15.0			
2,4-Dichlorophenol	0.3169 0.3973	0.3459	0.3501	0.3899	0.4051	Ave		0.3676				9.5		30.0			
1,2,4-Trichlorobenzene	0.3037 0.5059	0.3944	0.3972	0.4485	0.4361	QuaF		2.5557	-0.377						0.9989		0.9900
Naphthalene	0.8623 1.2767	0.9400	0.8961	1.0962	1.1057	QuaF		1.0422	-0.067						0.9992		0.9900
4-Chloroaniline	0.3919 0.4656	0.3919	0.3929	0.4541	0.4388	Ave		0.4225				8.1		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 Edison Job No.: 460-40258-1 Analy Batch No.: 113330

SDG No.:

Instrument ID: BNAMS4 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/18/2012 12:10 Calibration End Date: 05/18/2012 14:04 Calibration ID: 15641

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Hexachlorobutadiene	0.2236 0.3523	0.2880	0.2767	0.3552	0.3157	QuaF		3.2685	-0.395						0.9959		0.9900
Caprolactam	0.1385 0.1165	0.1306	0.1187	0.1410	0.1200	Ave		0.1275				8.4		15.0			
4-Chloro-3-methylphenol	0.5040 0.4657	0.5108	0.5000	0.5457	0.5155	Ave		0.5070				5.1		30.0			
2-Methylnaphthalene	0.5707 0.8257	0.6115	0.5838	0.7269	0.7311	QuaF		1.5601	-0.141						0.9991		0.9900
1-Methylnaphthalene	0.6264 0.8325	0.6128	0.6379	0.8032	0.7902	Ave		0.7172				14.1		15.0			
Hexachlorocyclopentadiene	0.4336 0.5844	0.3739	0.4475	0.4850	0.5070	QuaF		2.3024	-0.337		0.0500				0.9997		0.9900
1,2,4,5-Tetrachlorobenzene	0.6457 0.9034	0.6239	0.7434	0.7249	0.8595	Ave		0.7501				15.0		30.0			
2-tertbutyl-4-methylphenol	0.5430 0.6248	0.5742	0.5717	0.6664	0.6567	Ave		0.6061				8.3		15.0			
2,4,6-Trichlorophenol	0.4107 0.5091	0.4139	0.4577	0.4811	0.4977	Ave		0.4617				9.1		30.0			
2,4,5-Trichlorophenol	0.4313 0.4702	0.4524	0.5016	0.4766	0.5047	Ave		0.4728				6.0		15.0			
Diphenyl	1.1637 1.7182	1.2088	1.2016	1.3816	1.4841	QuaF		0.8049	-0.043						0.9999		0.9900
2-Chloronaphthalene	0.9758 1.3879	0.9799	1.0246	1.1111	1.2101	Ave		1.1149				14.4		15.0			
Diphenyl ether	0.6722 0.9490	0.7196	0.7133	0.8011	0.8135	Ave		0.7781				12.8		15.0			
2-Nitroaniline	0.7744 0.6646	0.8879	0.8749	0.8754	0.6825	Ave		0.7933				12.8		15.0			
Dimethylnaphthalene, total	0.7345 1.0054	0.7229	0.7914	0.8661	0.9167	Ave		0.8395				13.2		15.0			
Dimethyl phthalate	1.3389 1.4890	1.3624	1.4459	1.4206	1.4328	Ave		1.4149				3.9		15.0			
Coumarin	0.2850 0.2691	0.2649	0.2767	0.2997	0.2744	Ave		0.2783				4.5		15.0			
2,6-Dinitrotoluene	0.2232 0.3342	0.2844	0.3094	0.3371	0.3281	Ave		0.3027				14.4		15.0			
Acenaphthylene	1.4791 1.8854	1.4620	1.5719	1.5946	1.6880	Ave		1.6135				9.7		15.0			
3-Nitroaniline	0.2752 0.2738	0.2846	0.2789	0.2873	0.2796	Ave		0.2799				1.9		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 Edison Job No.: 460-40258-1 Analy Batch No.: 113330

SDG No.:

Instrument ID: BNAMS4 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/18/2012 12:10 Calibration End Date: 05/18/2012 14:04 Calibration ID: 15641

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
3,5-di-tert-butyl-4-hydroxytol	1.0045 1.2566	0.9995	1.0617	1.1247	1.1386	Ave		1.0976				8.9		15.0			
Acenaphthene	1.0131 1.3090	0.8850	0.9491	1.0865	1.1457	Ave		1.0647				14.2		30.0			
2,4-Dinitrophenol	0.2123 0.2618	0.2138	0.2405	0.2735	0.2624	Ave		0.2440			0.0500	10.8		15.0			
4-Nitrophenol	0.6013 0.5232	0.5821	0.5785	0.6018	0.5606	Ave		0.5746			0.0500	5.1		15.0			
2,4-Dinitrotoluene	0.4160 0.5334	0.4283	0.4752	0.4765	0.4882	Ave		0.4696				9.1		15.0			
Dibenzofuran	1.4629 1.9076	1.5341	1.5379	1.7370	1.7642	Ave		1.6573				10.4		15.0			
2,3,4,6-Tetrachlorophenol	0.3269 0.3669	0.3178	0.3207	0.3829	0.3695	Ave		0.3475				8.3		30.0			
Diethyl phthalate	1.5313 1.5107	1.3999	1.4305	1.4375	1.3828	Ave		1.4488				4.1		15.0			
4-Chlorophenyl phenyl ether	0.6201 0.8576	0.6775	0.7056	0.7842	0.8268	Ave		0.7453				12.4		15.0			
Fluorene	1.1353 1.6299	1.1622	1.2946	1.5075	1.5245	QuaF		0.7250	-0.023						0.9995		0.9900
4-Nitroaniline	0.2848 0.2359	0.2930	0.3058	0.2739	0.2354	Ave		0.2715				10.9		15.0			
4,6-Dinitro-2-methylphenol	0.1620 0.2041	0.1631	0.1748	0.1990	0.2047	Ave		0.1846				11.0		15.0			
N-Nitrosodiphenylamine	0.4398 0.5759	0.4333	0.4683	0.5312	0.6320	QuaF		1.7945	-0.060						0.9930		0.9900
1,2-Diphenylhydrazine	1.1263 1.8132	1.4466	1.4039	1.5716	1.6064	QuaF		0.7088	-0.029						0.9997		0.9900
4-Bromophenyl phenyl ether	0.1789 0.2568	0.1762	0.1840	0.2363	0.2226	QuaF		4.9700	-1.385						0.9975		0.9900
Hexachlorobenzene	0.1883 0.3318	0.2380	0.2574	0.3019	0.2955	QuaF		3.7523	-0.736						0.9990		0.9900
Atrazine	0.2302 0.2617	0.2270	0.2198	0.2649	0.2567	Ave		0.2434				8.2		15.0			
Pentachlorophenol	0.1703 0.2285	0.1853	0.1911	0.2175	0.2247	Ave		0.2029				11.8		30.0			
Pentachloronitrobenzene	0.1460 0.1577	0.1351	0.1393	0.1525	0.1610	Ave		0.1486				6.9					
n-Octadecane	0.6606 0.9387	0.6710	0.7209	0.7992	0.8746	Ave		0.7775				14.6		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 Edison Job No.: 460-40258-1 Analy Batch No.: 113330

SDG No.:

Instrument ID: BNAMS4 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/18/2012 12:10 Calibration End Date: 05/18/2012 14:04 Calibration ID: 15641

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Phenanthrene	0.9625 1.2687	0.9240	1.0314	1.1629	1.2251	Ave		1.0958				13.1		15.0			
Anthracene	0.9654 1.2775	0.9252	1.0108	1.1445	1.1904	Ave		1.0856				12.8		15.0			
Carbazole	0.8695 1.0325	0.8780	0.8699	0.9662	1.0529	Ave		0.9448				8.9		15.0			
Di-n-butyl phthalate	1.3185 1.6240	1.2532	1.2894	1.4789	1.4934	Ave		1.4096				10.3		15.0			
Fluoranthene	1.1359 1.4215	1.0773	1.0543	1.2885	1.2498	Ave		1.2046				11.7		30.0			
Benzidine	0.1663 +++++	0.3680	0.3213	0.1475	0.1423	Ave		0.2291				46.8	*	15.0			
Pyrene	1.2784 1.4966	1.3352	1.4400	1.5480	1.4792	Ave		1.4296				7.2		15.0			
Butyl benzyl phthalate	0.6663 0.7238	0.6777	0.7147	0.7367	0.7505	Ave		0.7116				4.7		15.0			
Carbamazepine	0.5788 0.5377	0.5603	0.5964	0.5946	0.5507	Ave		0.5698				4.2		15.0			
3,3'-Dichlorobenzidine	0.3535 0.2800	0.3835	0.3762	0.3068	0.2966	Ave		0.3328				13.2		15.0			
Benzo[a]anthracene	1.2615 1.1751	1.0704	1.0891	1.0914	1.1275	Ave		1.1358				6.3		15.0			
Bis(2-ethylhexyl) phthalate	0.9505 1.0688	0.9091	0.9683	1.0759	1.0594	Ave		1.0053				7.1		15.0			
Chrysene	0.9667 1.0214	0.9881	0.9811	1.0116	1.0070	Ave		0.9960				2.1		15.0			
Di-n-octyl phthalate	1.8659 2.5878	1.9975	1.9471	2.2862	2.5308	Ave		2.2025				14.1		30.0			
Benzo[b]fluoranthene	0.9092 1.7469	1.1699	1.2450	1.3354	1.6465	QuaF		0.7606	-0.037						0.9972		0.9900
Benzo[k]fluoranthene	0.8800 1.3842	1.3150	1.2643	1.3958	1.3423	QuaF		0.7531	-0.007						0.9995		0.9900
Benzo[a]pyrene	0.6685 1.2970	1.0230	1.0326	1.1350	1.1704	QuaF		0.9670	-0.050						0.9999		0.9900
Indeno[1,2,3-cd]pyrene	0.4102 1.3643	0.8967	0.9385	1.1061	1.1257	QuaF		1.0463	-0.076						0.9993		0.9900
Dibenz(a,h)anthracene	0.5464 1.2946	0.9142	0.9061	1.0370	1.0654	QuaF		1.1077	-0.086						0.9996		0.9900
Benzo[g,h,i]perylene	0.8760 1.2747	0.9471	0.9881	1.0053	1.1132	Ave		1.0340				13.7		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 Edison Job No.: 460-40258-1 Analy Batch No.: 113330

SDG No.:

Instrument ID: BNAMS4 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/18/2012 12:10 Calibration End Date: 05/18/2012 14:04 Calibration ID: 15641

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
2-Fluorophenol	1.2952 1.5221	1.3839	1.4501	1.5740	1.6032	Ave		1.4714				8.0		15.0			
Phenol-d5	1.8381 2.1402	1.8599	2.0097	2.1738	2.2238	Ave		2.0409				8.1		15.0			
Nitrobenzene-d5	0.7186 0.8047	0.7036	0.7092	0.7841	0.7555	Ave		0.7459				5.7		15.0			
2-Fluorobiphenyl	1.1781 1.6475	1.1201	1.1493	1.3303	1.3953	QuaF		0.8504	-0.049						0.9997		0.9900
2,4,6-Tribromophenol	0.2212 0.2901	0.2370	0.2545	0.2889	0.2656	Ave		0.2596				10.7		15.0			
Terphenyl-d14	0.8380 0.9894	0.8291	0.9066	1.0000	0.9573	Ave		0.9201				8.1		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 RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-40258-1 Analy Batch No.: 113330

SDG No.:

Instrument ID: BNAMS4 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/18/2012 12:10 Calibration End Date: 05/18/2012 14:04 Calibration ID: 15641

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-113330/4	u76540.d
Level 2	IC 460-113330/7	u76543.d
Level 3	IC 460-113330/6	u76542.d
Level 4	ICIS 460-113330/2	u76538.d
Level 5	IC 460-113330/5	u76541.d
Level 6	IC 460-113330/3	u76539.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
1-Naphthylamine	ANT	Ave	0 0	0	0	0	0	5.00 120	10.0	20.0	50.0	80.0
2-Naphthylamine	ANT	Ave	0 0	0	0	0	0	5.00 120	10.0	20.0	50.0	80.0
o-Toluidine	DCB	Ave	0 0	0	0	0	0	5.00 120	10.0	20.0	50.0	80.0
1,4-Dioxane	DCB	Ave	3788 112612	7996	14548	42649	65816	5.00 120	10.0	20.0	50.0	80.0
2,3,7,8-TCDD (Screen)	CRY	Ave	+++++ +++++	+++++	+++++	232	+++++	+++++ +++++	+++++	+++++	0.500	+++++
N-Nitrosodimethylamine	DCB	Ave	7709 226770	15675	30164	90167	142476	5.00 120	10.0	20.0	50.0	80.0
Pyridine	DCB	Ave	10199 349862	24157	43158	137611	214498	5.00 120	10.0	20.0	50.0	80.0
Benzaldehyde	DCB	Ave	10505 +++++	13421	24397	38190	39661	5.00 +++++	10.0	20.0	50.0	80.0
Phenol	DCB	Ave	14023 433121	28042	55250	182352	296575	5.00 120	10.0	20.0	50.0	80.0
Aniline	DCB	Ave	15869 421749	32778	61041	189527	300878	5.00 120	10.0	20.0	50.0	80.0
Bis(2-chloroethyl)ether	DCB	Ave	1214 402723	22815	45133	124937	190098	0.500 120	10.0	20.0	50.0	80.0
2-Chlorophenol	DCB	Ave	8017 247063	16757	32827	103035	168181	5.00 120	10.0	20.0	50.0	80.0
Decane	DCB	Ave	16861 459509	33704	61592	172330	262140	5.00 120	10.0	20.0	50.0	80.0
1,3-Dichlorobenzene	DCB	Ave	9853 333334	19047	37228	114670	181750	5.00 120	10.0	20.0	50.0	80.0
1,4-Dichlorobenzene	DCB	Ave	10513 350179	20728	37431	126244	192439	5.00 120	10.0	20.0	50.0	80.0
Benzyl alcohol	DCB	Ave	7102 211828	14173	27939	86953	137511	5.00 120	10.0	20.0	50.0	80.0

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

Lab Name: TestAmerica Edison Job No.: 460-40258-1 Analy Batch No.: 113330

SDG No.:

Instrument ID: BNAMS4 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/18/2012 12:10 Calibration End Date: 05/18/2012 14:04 Calibration ID: 15641

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
1,2-Dichlorobenzene	DCB	Ave	9852 336796	18876	35904	106935	177929	5.00 120	10.0	20.0	50.0	80.0
2-Methylphenol	DCB	Ave	9657 285550	20574	37082	117982	186642	5.00 120	10.0	20.0	50.0	80.0
2,2'-oxybis[1-chloropropane]	DCB	Ave	23625 683812	50555	91351	269516	419718	5.00 120	10.0	20.0	50.0	80.0
Acetophenone	DCB	Ave	19234 537561	40354	77230	225163	346672	5.00 120	10.0	20.0	50.0	80.0
3 & 4 Methylphenol	DCB	Ave	11545 322665	24245	49087	150559	242354	5.00 120	10.0	20.0	50.0	80.0
4-Methylphenol	DCB	Ave	11545 322665	24245	49087	150559	242354	5.00 120	10.0	20.0	50.0	80.0
N-Nitrosodi-n-propylamine	DCB	Ave	999 347507	26856	49621	152425	230101	0.500 120	10.0	20.0	50.0	80.0
Hexachloroethane	DCB	Ave	619 188103	12400	24185	69151	110722	0.500 120	10.0	20.0	50.0	80.0
Nitrobenzene	NPT	Ave	2629 692979	53573	106330	300823	452768	0.500 120	10.0	20.0	50.0	80.0
n,n'-Dimethylaniline	DCB	QuaF	1206 490102	30613	57955	187187	306086	0.500 120	10.0	20.0	50.0	80.0
Isophorone	NPT	Ave	31067 744736	62958	117626	337973	508934	5.00 120	10.0	20.0	50.0	80.0
2-Nitrophenol	NPT	Ave	4744 139021	10692	20387	63855	96744	5.00 120	10.0	20.0	50.0	80.0
2,4-Dimethylphenol	NPT	Ave	8113 210833	16474	31126	97820	150509	5.00 120	10.0	20.0	50.0	80.0
Bis(2-chloroethoxy)methane	NPT	Ave	13648 373444	27831	54050	161684	245362	5.00 120	10.0	20.0	50.0	80.0
Benzoic acid	NPT	Ave	6395 126048	13718	27217	72987	93214	5.00 120	10.0	20.0	50.0	80.0
2,4-Dichlorophenol	NPT	Ave	8505 239495	17872	35220	102615	168969	5.00 120	10.0	20.0	50.0	80.0
1,2,4-Trichlorobenzene	NPT	QuaF	815 304964	20376	39956	118035	181904	0.500 120	10.0	20.0	50.0	80.0
Naphthalene	NPT	QuaF	23139 769685	48563	90136	288477	461165	5.00 120	10.0	20.0	50.0	80.0
4-Chloroaniline	NPT	Ave	10516 280691	20249	39517	119493	183006	5.00 120	10.0	20.0	50.0	80.0
Hexachlorobutadiene	NPT	QuaF	1200 212384	14881	27829	93462	131671	1.00 120	10.0	20.0	50.0	80.0
Caprolactam	NPT	Ave	3717 70231	6746	11935	37093	50045	5.00 120	10.0	20.0	50.0	80.0

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

Lab Name: TestAmerica Edison Job No.: 460-40258-1 Analy Batch No.: 113330

SDG No.:

Instrument ID: BNAMS4 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/18/2012 12:10 Calibration End Date: 05/18/2012 14:04 Calibration ID: 15641

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
4-Chloro-3-methylphenol	NPT	Ave	13525 280746	26389	50288	143612	215032	5.00 120	10.0	20.0	50.0	80.0
2-Methylnaphthalene	NPT	QuaF	15316 497763	31590	58718	191290	304927	5.00 120	10.0	20.0	50.0	80.0
1-Methylnaphthalene	NPT	Ave	16811 501891	31658	64165	211359	329607	5.00 120	10.0	20.0	50.0	80.0
Hexachlorocyclopentadiene	ANT	QuaF	8286 225783	14006	31125	94911	148658	5.00 120	10.0	20.0	50.0	80.0
1,2,4,5-Tetrachlorobenzene	ANT	Ave	12340 349029	23370	51706	141863	252009	5.00 120	10.0	20.0	50.0	80.0
2-tertbutyl-4-methylphenol	NPT	Ave	14572 376668	29665	57505	175355	273926	5.00 120	10.0	20.0	50.0	80.0
2,4,6-Trichlorophenol	ANT	Ave	7849 196708	15503	31836	94147	145942	5.00 120	10.0	20.0	50.0	80.0
2,4,5-Trichlorophenol	ANT	Ave	8243 181671	16947	34884	93270	147976	5.00 120	10.0	20.0	50.0	80.0
Diphenyl	ANT	QuaF	22239 663801	45279	83571	270379	435159	5.00 120	10.0	20.0	50.0	80.0
2-Chloronaphthalene	ANT	Ave	18649 536197	36706	71262	217435	354809	5.00 120	10.0	20.0	50.0	80.0
Diphenyl ether	ANT	Ave	12846 366653	26957	49608	156781	238538	5.00 120	10.0	20.0	50.0	80.0
2-Nitroaniline	ANT	Ave	29598 256778	33259	60851	171308	200124	10.0 120	10.0	20.0	50.0	80.0
Dimethylnaphthalene, total	ANT	Ave	14037 388439	27078	55045	169498	268802	5.00 120	10.0	20.0	50.0	80.0
Dimethyl phthalate	ANT	Ave	25587 575270	51036	100564	278019	420126	5.00 120	10.0	20.0	50.0	80.0
Coumarin	NPT	Ave	7647 162252	13683	27829	78856	114462	5.00 120	10.0	20.0	50.0	80.0
2,6-Dinitrotoluene	ANT	Ave	853 129113	10653	21518	65961	96217	1.00 120	10.0	20.0	50.0	80.0
Acenaphthylene	ANT	Ave	28267 728398	54766	109332	312071	494953	5.00 120	10.0	20.0	50.0	80.0
3-Nitroaniline	ANT	Ave	10519 105795	10662	19398	56230	81975	10.0 120	10.0	20.0	50.0	80.0
3,5-di-tert-butyl-4-hydroxytol	ANT	Ave	19197 485488	37442	73843	220107	333847	5.00 120	10.0	20.0	50.0	80.0
Acenaphthene	ANT	Ave	19361 505722	33153	66011	212619	335945	5.00 120	10.0	20.0	50.0	80.0
2,4-Dinitrophenol	ANT	Ave	12171 101148	16018	25091	53520	76936	15.0 120	20.0	30.0	50.0	80.0

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

Lab Name: TestAmerica Edison Job No.: 460-40258-1 Analy Batch No.: 113330

SDG No.:

Instrument ID: BNAMS4 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/18/2012 12:10 Calibration End Date: 05/18/2012 14:04 Calibration ID: 15641

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
4-Nitrophenol	ANT	Ave	34472 202139	43613	60349	117779	164389	15.0 120	20.0	30.0	50.0	80.0
2,4-Dinitrotoluene	ANT	Ave	1590 206078	16043	33050	93247	143148	1.00 120	10.0	20.0	50.0	80.0
Dibenzofuran	ANT	Ave	27958 736977	57465	106961	339919	517305	5.00 120	10.0	20.0	50.0	80.0
2,3,4,6-Tetrachlorophenol	ANT	Ave	6248 141763	11905	22308	74924	108358	5.00 120	10.0	20.0	50.0	80.0
Diethyl phthalate	ANT	Ave	29265 583639	52441	99497	281322	405467	5.00 120	10.0	20.0	50.0	80.0
4-Chlorophenyl phenyl ether	ANT	Ave	11850 331314	25380	49079	153473	242425	5.00 120	10.0	20.0	50.0	80.0
Fluorene	ANT	QuaF	21696 629719	43536	90045	295017	446999	5.00 120	10.0	20.0	50.0	80.0
4-Nitroaniline	ANT	Ave	10887 91137	10975	21271	53604	69027	10.0 120	10.0	20.0	50.0	80.0
4,6-Dinitro-2-methylphenol	PHN	Ave	17628 120284	22241	33334	65437	94943	15.0 120	20.0	30.0	50.0	80.0
N-Nitrosodiphenylamine	PHN	QuaF	15951 339389	29541	59548	174687	293180	5.00 120	10.0	20.0	50.0	80.0
1,2-Diphenylhydrazine	PHN	QuaF	40850 1068605	98632	178534	516816	745169	5.00 120	10.0	20.0	50.0	80.0
4-Bromophenyl phenyl ether	PHN	QuaF	6490 151361	12011	23402	77711	103271	5.00 120	10.0	20.0	50.0	80.0
Hexachlorobenzene	PHN	QuaF	683 195559	16230	32731	99290	137098	0.500 120	10.0	20.0	50.0	80.0
Atrazine	PHN	Ave	8350 154203	15475	27954	87104	119070	5.00 120	10.0	20.0	50.0	80.0
Pentachlorophenol	PHN	Ave	18525 134693	25271	36462	71517	104240	15.0 120	20.0	30.0	50.0	80.0
Pentachloronitrobenzene	PHN	Ave	5297 92965	9214	17709	50138	74697	5.00 120	10.0	20.0	50.0	80.0
n-Octadecane	PHN	Ave	23960 553204	45752	91670	262819	405691	5.00 120	10.0	20.0	50.0	80.0
Phenanthrene	PHN	Ave	34911 747720	62999	131156	382422	568304	5.00 120	10.0	20.0	50.0	80.0
Anthracene	PHN	Ave	35013 752889	63081	128545	376361	552187	5.00 120	10.0	20.0	50.0	80.0
Carbazole	PHN	Ave	31535 608525	59866	110622	317734	488408	5.00 120	10.0	20.0	50.0	80.0
Di-n-butyl phthalate	PHN	Ave	47821 957082	85451	163975	486338	692732	5.00 120	10.0	20.0	50.0	80.0

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

Lab Name: TestAmerica Edison Job No.: 460-40258-1 Analy Batch No.: 113330

SDG No.:

Instrument ID: BNAMS4 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/18/2012 12:10 Calibration End Date: 05/18/2012 14:04 Calibration ID: 15641

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Fluoranthene	PHN	Ave	41200 837726	73456	134075	423735	579737	5.00 120	10.0	20.0	50.0	80.0
Benzidine	PHN	Ave	6032 +++++	50190	61293	48496	66006	5.00 +++++	20.0	30.0	50.0	80.0
Pyrene	CRY	Ave	41267 804219	72268	137606	410233	580593	5.00 120	10.0	20.0	50.0	80.0
Butyl benzyl phthalate	CRY	Ave	21508 388969	36683	68293	195223	294570	5.00 120	10.0	20.0	50.0	80.0
Carbamazepine	CRY	Ave	18684 288935	30325	56996	157586	216157	5.00 120	10.0	20.0	50.0	80.0
3,3'-Dichlorobenzidine	CRY	Ave	22821 150472	41513	53929	81318	116414	10.0 120	20.0	30.0	50.0	80.0
Benzo[a]anthracene	CRY	Ave	4072 631480	57936	104075	289234	442521	0.500 120	10.0	20.0	50.0	80.0
Bis(2-ethylhexyl) phthalate	CRY	Ave	30682 574347	49204	92528	285121	415801	5.00 120	10.0	20.0	50.0	80.0
Chrysene	CRY	Ave	31205 548865	53481	93757	268099	395226	5.00 120	10.0	20.0	50.0	80.0
Di-n-octyl phthalate	PRY	Ave	44800 819686	76602	128699	400459	580938	5.00 120	10.0	20.0	50.0	80.0
Benzo[b]fluoranthene	PRY	QuaF	2183 553341	44864	82290	233919	377956	0.500 120	10.0	20.0	50.0	80.0
Benzo[k]fluoranthene	PRY	QuaF	2113 438434	50428	83570	244502	308117	0.500 120	10.0	20.0	50.0	80.0
Benzo[a]pyrene	PRY	QuaF	1605 410818	39231	68255	198809	268673	0.500 120	10.0	20.0	50.0	80.0
Indeno[1,2,3-cd]pyrene	PRY	QuaF	985 432150	34386	62035	193745	258406	0.500 120	10.0	20.0	50.0	80.0
Dibenz(a,h)anthracene	PRY	QuaF	1312 410049	35057	59888	181656	244562	0.500 120	10.0	20.0	50.0	80.0
Benzo[g,h,i]perylene	PRY	Ave	21032 403747	36320	65308	176088	255528	5.00 120	10.0	20.0	50.0	80.0
2-Fluorophenol	DCB	Ave	9895 292949	19954	39927	120381	193762	5.00 120	10.0	20.0	50.0	80.0
Phenol-d5	DCB	Ave	14043 411901	26818	55335	166257	268778	5.00 120	10.0	20.0	50.0	80.0
Nitrobenzene-d5	NPT	Ave	19284 485136	36350	71331	206335	315114	5.00 120	10.0	20.0	50.0	80.0
2-Fluorobiphenyl	ANT	QuaF	22515 636501	41957	79936	260329	409114	5.00 120	10.0	20.0	50.0	80.0
2,4,6-Tribromophenol	ANT	Ave	4227 112090	8877	17704	56529	77882	5.00 120	10.0	20.0	50.0	80.0

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

Lab Name: TestAmerica Edison Job No.: 460-40258-1 Analy Batch No.: 113330

SDG No.:

Instrument ID: BNAMS4 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/18/2012 12:10 Calibration End Date: 05/18/2012 14:04 Calibration ID: 15641

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Terphenyl-d14	CRY	Ave	27049 531676	44877	86634	265007	375726	5.00 120	10.0	20.0	50.0	80.0

Curve Type Legend:

Ave = Average ISTD
QuaF = Quadratic ISTD forced zero

Data File: /chem/BNAMS4.i/8270T/05-18-12/18may12.b/u76538.d
Report Date: 18-May-2012 12:34

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS4.i/8270T/05-18-12/18may12.b/u76538.d
Lab Smp Id: ICIS-1519304
Inj Date : 18-MAY-2012 12:10
Operator : BNAMS 4 Inst ID: BNAMS4.i
Smp Info : ICIS-1519304
Misc Info : 50 ppm bna 4658
Comment :
Method : /chem/BNAMS4.i/8270T/05-18-12/18may12.b/8270C_11.m
Meth Date : 18-May-2012 12:34 czhao Quant Type: ISTD
Cal Date : 18-MAY-2012 12:10 Cal File: u76538.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * Uf*1000*Vt/(Ws*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
	106 1,4-Dioxane	88	1.678	1.678	(0.381)	42649	50.0000	50
	19 N-Nitrosodimethylamine	74	1.912	1.912	(0.435)	90167	50.0000	50
	71 Pyridine	79	1.941	1.941	(0.441)	137611	50.0000	50
$	16 2-Fluorophenol (SUR)	112	3.088	3.088	(0.702)	120381	50.0000	50
	110 Benzaldehyde	77	3.950	3.950	(0.898)	38190	50.0000	50
	73 Aniline	93	4.069	4.069	(0.925)	189527	50.0000	50
$	17 Phenol-d5 (SUR)	99	4.032	4.032	(0.916)	166257	50.0000	50
	1 Phenol	94	4.046	4.046	(0.920)	182352	50.0000	50
	20 bis(2-Chloroethyl)ether	93	4.136	4.136	(0.940)	124937	50.0000	50
	2 2-Chlorophenol	128	4.187	4.187	(0.952)	103035	50.0000	50
	113 n-decane	43	4.239	4.239	(0.964)	172330	50.0000	50
	21 1,3-Dichlorobenzene	146	4.341	4.341	(0.987)	114670	50.0000	50
*	79 1,4-Dichlorobenzene-d4	152	4.399	4.399	(1.000)	61185	40.0000	

Data File: /chem/BNAMS4.i/8270T/05-18-12/18may12.b/u76538.d
Report Date: 18-May-2012 12:34

		QUANT SIG					AMOUNTS CAL-AMT	AMOUNTS ON-COL
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/ml)	(ug/ml)
	22 1,4-Dichlorobenzene	146	4.413	4.413	(1.003)	126244	50.0000	50
	74 Benzyl Alcohol	108	4.544	4.544	(1.033)	86953	50.0000	50
	23 1,2-Dichlorobenzene	146	4.573	4.573	(1.040)	106935	50.0000	50
	24 bis (2-chloroisopropyl) ether	45	4.676	4.676	(1.063)	269516	50.0000	50
	3 2-Methylphenol	108	4.654	4.654	(1.058)	117982	50.0000	50
	104 Acetophenone	105	4.816	4.816	(1.095)	225163	50.0000	50
	25 N-Nitroso-di-n-propylamine	70	4.823	4.823	(1.096)	152425	50.0000	50
	4 4-Methylphenol	108	4.816	4.816	(1.095)	150559	50.0000	50
	123 3 & 4 Methylphenol	108	4.816	4.816	(1.095)	150559	50.0000	50
	26 Hexachloroethane	117	4.912	4.912	(1.117)	69151	50.0000	50
$	76 Nitrobenzene-d5 (SUR)	82	4.964	4.964	(0.871)	206335	50.0000	50
	27 Nitrobenzene	77	4.986	4.986	(0.875)	300823	50.0000	50
	107 N,N-Dimethylaniline	120	4.994	4.994	(1.135)	187187	50.0000	50
	28 Isophorone	82	5.237	5.237	(0.919)	337973	50.0000	50
	5 2-Nitrophenol	139	5.309	5.309	(0.932)	63855	50.0000	50
	6 2,4-Dimethylphenol	122	5.353	5.353	(0.940)	97820	50.0000	50
	29 bis(2-Chloroethoxy)methane	93	5.447	5.447	(0.956)	161684	50.0000	50
	7 2,4-Dichlorophenol	162	5.556	5.556	(0.976)	102615	50.0000	50
	15 Benzoic Acid	122	5.520	5.520	(0.969)	72987	50.0000	50
	30 1,2,4-Trichlorobenzene	180	5.637	5.637	(0.990)	118035	50.0000	50
*	80 Naphthalene-d8	136	5.696	5.696	(1.000)	210525	40.0000	
	31 Naphthalene	128	5.718	5.718	(1.004)	288477	50.0000	50
	32 4-Chloroaniline	127	5.769	5.769	(1.013)	119493	50.0000	50
	33 Hexachlorobutadiene	225	5.849	5.849	(1.027)	93462	50.0000	50
	111 Caprolactam	113	6.187	6.187	(1.086)	37093	50.0000	50
	8 4-Chloro-3-methylphenol	107	6.283	6.283	(1.103)	143612	50.0000	50
	34 2-Methylnaphthalene	142	6.416	6.416	(1.127)	191290	50.0000	50
	120 1-Methylnaphthalene	142	6.520	6.520	(1.145)	211359	50.0000	50
	35 Hexachlorocyclopentadiene	237	6.584	6.584	(0.882)	94911	50.0000	50
	129 1,2,4,5-Tetrachlorobenzene	216	6.592	6.592	(0.883)	141863	50.0000	50
	121 2-tert-Butyl-4-methylphenol	149	6.628	6.628	(1.164)	175355	50.0000	50
	9 2,4,6-Trichlorophenol	196	6.709	6.709	(0.898)	94147	50.0000	50
	10 2,4,5-Trichlorophenol	196	6.745	6.745	(0.903)	93270	50.0000	50
$	77 2-Fluorobiphenyl (SUR)	172	6.790	6.790	(0.909)	260329	50.0000	50
	102 Diphenyl	154	6.894	6.894	(0.923)	270379	50.0000	50
	36 2-Chloronaphthalene	162	6.909	6.909	(0.925)	217435	50.0000	50
	103 Diphenyl Ether	170	6.997	6.997	(0.937)	156781	50.0000	50
	37 2-Nitroaniline	65	7.019	7.019	(0.940)	171308	50.0000	50
	125 1,3-Dimethylnaphthalene	156	7.130	7.130	(0.955)	169498	50.0000	50
	38 Dimethylphthalate	163	7.204	7.204	(0.965)	278019	50.0000	50
	114 Coumarin	146	7.226	7.226	(1.269)	78856	50.0000	50
	40 2,6-Dinitrotoluene	165	7.264	7.264	(0.973)	65961	50.0000	50
	39 Acenaphthylene	152	7.322	7.322	(0.980)	312071	50.0000	50
	41 3-Nitroaniline	138	7.430	7.430	(0.995)	56230	50.0000	50
*	82 Acenaphthene-d10	164	7.468	7.468	(1.000)	156559	40.0000	
	42 Acenaphthene	154	7.498	7.498	(1.004)	212619	50.0000	50
	122 2,6-Di-tert-butyl-p-cresol	205	7.490	7.490	(1.003)	220107	50.0000	50

Data File: /chem/BNAMS4.i/8270T/05-18-12/18may12.b/u76538.d
Report Date: 18-May-2012 12:34

		QUANT SIG					AMOUNTS CAL-AMT	AMOUNTS ON-COL
Compounds		MASS	RT	EXP RT	REL RT	RESPONSE	(ug/ml)	(ug/ml)
11	2,4-Dinitrophenol	184	7.528	7.528	(1.008)	53520	50.0000	50
12	4-Nitrophenol	65	7.594	7.594	(1.017)	117779	50.0000	50
43	Dibenzofuran	168	7.669	7.669	(1.027)	339919	50.0000	50
44	2,4-Dinitrotoluene	165	7.661	7.661	(1.026)	93247	50.0000	50
130	2,3,4,6-Tetrachlorophenol	232	7.794	7.794	(1.044)	74924	50.0000	50
45	Diethylphthalate	149	7.904	7.904	(1.058)	281322	50.0000	50
47	Fluorene	166	8.014	8.014	(1.073)	295017	50.0000	50
46	4-Chlorophenyl-phenylether	204	8.007	8.007	(1.072)	153473	50.0000	50
48	4-Nitroaniline	138	8.052	8.052	(1.078)	53604	50.0000	50
13	4,6-Dinitro-2-methylphenol	198	8.074	8.074	(0.903)	65437	50.0000	50
49	N-Nitrosodiphenylamine	169	8.134	8.134	(0.909)	174687	50.0000	50
75	1,2-Diphenylhydrazine	77	8.171	8.171	(0.914)	516816	50.0000	50
$ 18	2,4,6-Tribromophenol (SUR)	330	8.251	8.251	(1.105)	56529	50.0000	50
50	4-Bromophenyl-phenylether	248	8.493	8.493	(0.950)	77711	50.0000	50
51	Hexachlorobenzene	284	8.567	8.567	(0.958)	99290	50.0000	50
112	Atrazine	200	8.670	8.670	(0.969)	87104	50.0000	50
14	Pentachlorophenol	266	8.759	8.759	(0.979)	71517	50.0000	50
132	Pentachloronitrobenzene	237	8.774	8.774	(0.981)	50138	50.0000	50
115	n-Octadecane	57	8.833	8.833	(0.988)	262819	50.0000	50
* 83	Phenanthrene-d10	188	8.943	8.943	(1.000)	263078	40.0000	
52	Phenanthrene	178	8.966	8.966	(1.002)	382422	50.0000	50
53	Anthracene	178	9.018	9.018	(1.008)	376361	50.0000	50
54	Carbazole	167	9.173	9.173	(1.026)	317734	50.0000	50
55	Di-n-butylphthalate	149	9.517	9.517	(1.064)	486338	50.0000	50
56	Fluoranthene	202	10.142	10.142	(1.134)	423735	50.0000	50
58	Benzidine	184	10.268	10.268	(1.148)	48496	50.0000	50
57	Pyrene	202	10.371	10.371	(0.883)	410233	50.0000	50
$ 78	Terphenyl-d14	244	10.527	10.527	(0.896)	265007	50.0000	50
109	2,3,7,8-TCDD (Screen)	320	11.166	11.166	(0.951)	232	0.50000	0.50(M)
59	Butylbenzylphthalate	149	11.056	11.056	(0.941)	195223	50.0000	50
124	Carbamazepine	193	11.194	11.194	(0.953)	157586	50.0000	50
60	3,3'-Dichlorobenzidine	252	11.700	11.700	(0.996)	81318	50.0000	50
61	Benzo(a)anthracene	228	11.730	11.730	(0.999)	289234	50.0000	50
* 81	Chrysene-d12	240	11.745	11.745	(1.000)	212011	40.0000	
63	bis(2-Ethylhexyl)phthalate	149	11.759	11.759	(1.001)	285121	50.0000	50
62	Chrysene	228	11.782	11.782	(1.003)	268099	50.0000	50
64	Di-n-octylphthalate	149	12.634	12.634	(0.923)	400459	50.0000	50
65	Benzo(b)fluoranthene	252	13.162	13.162	(0.962)	233919	50.0000	50
66	Benzo(k)fluoranthene	252	13.199	13.199	(0.964)	244502	50.0000	50
67	Benzo(a)pyrene	252	13.612	13.612	(0.995)	198809	50.0000	50
* 84	Perylene-d12	264	13.686	13.686	(1.000)	140133	40.0000	
68	Indeno(1,2,3-cd)pyrene	276	15.249	15.249	(1.114)	193745	50.0000	50
69	Dibenz(a,h)anthracene	278	15.286	15.286	(1.117)	181656	50.0000	50
70	Benzo(g,h,i)perylene	276	15.692	15.692	(1.147)	176088	50.0000	50

Data File: /chem/BNAMS4.i/8270T/05-18-12/18may12.b/u76538.d
Report Date: 18-May-2012 12:34

QC Flag Legend

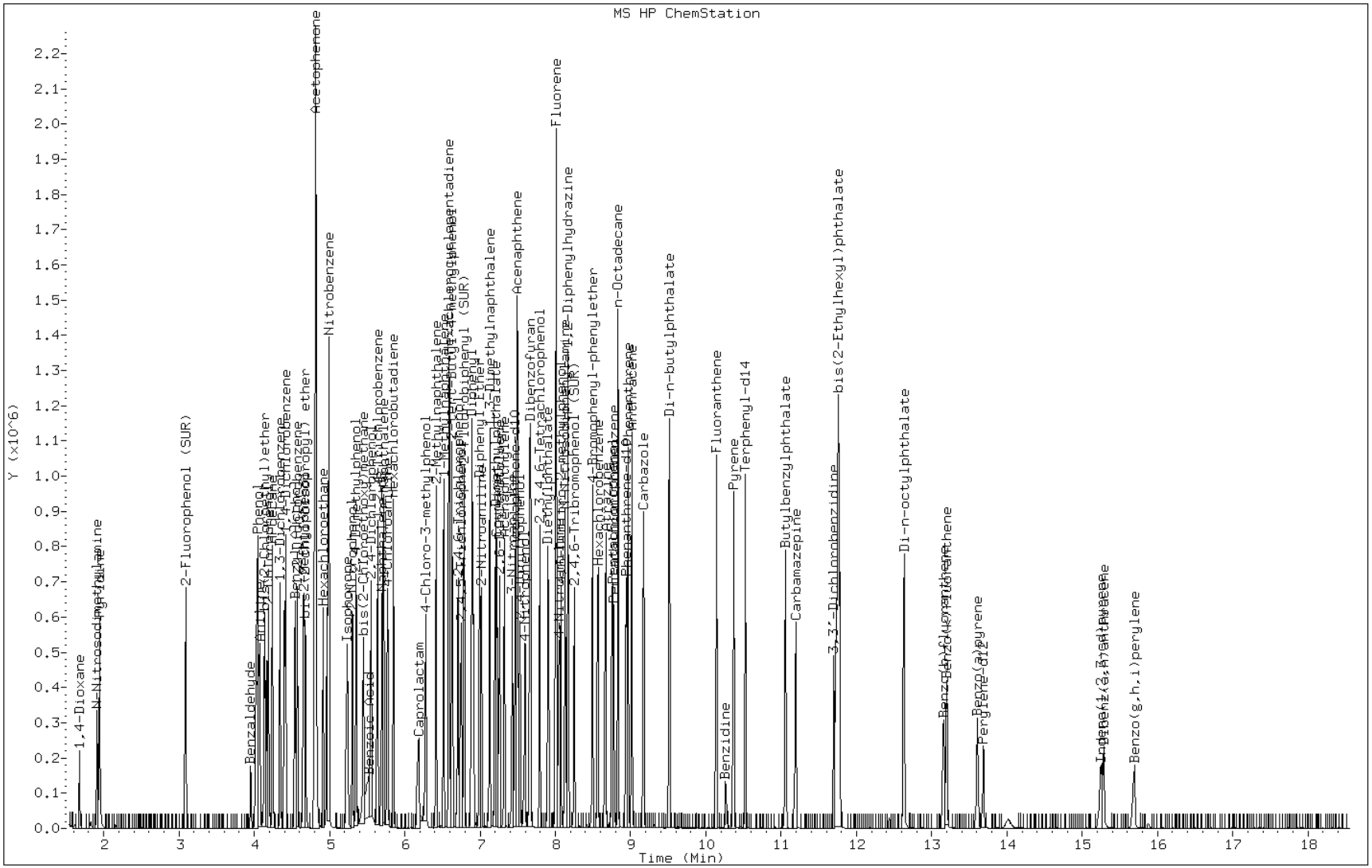
M - Compound response manually integrated.

Data File: u76538.d

Date: 18-MAY-2012 12:10

Client ID: Instrument: BNAMS4.i

Sample Info: ICIS-1519304 Operator: BNAMS 4



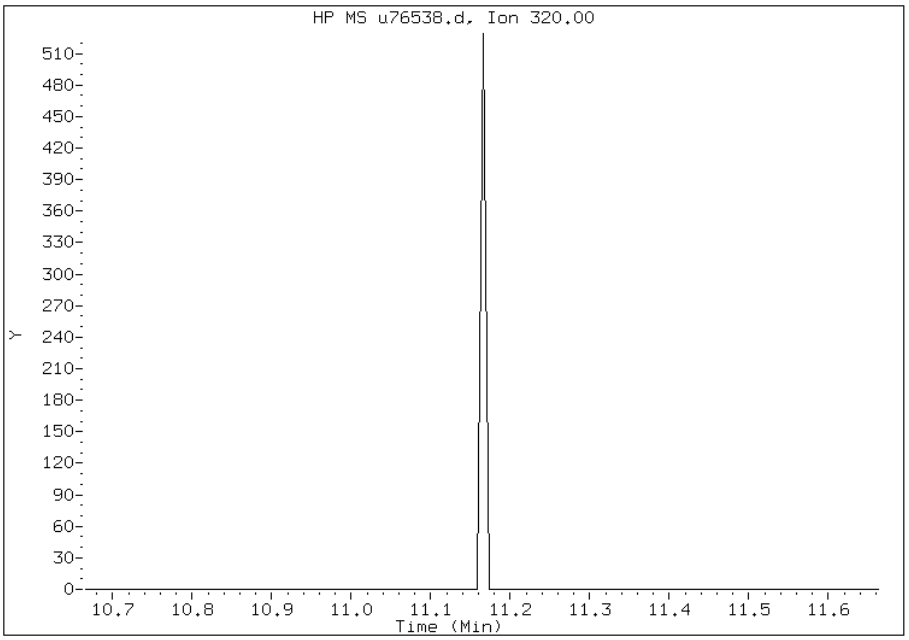
Manual Integration Report

Data File: u76538.d
Inj. Date and Time: 18-MAY-2012 12:10
Instrument ID: BNAMS4.i
Client ID:
Compound: 109 2,3,7,8-TCDD (Screen)
CAS #:
Report Date: 05/21/2012

Processing Integration Results

Not Detected

Expected RT: 11.17



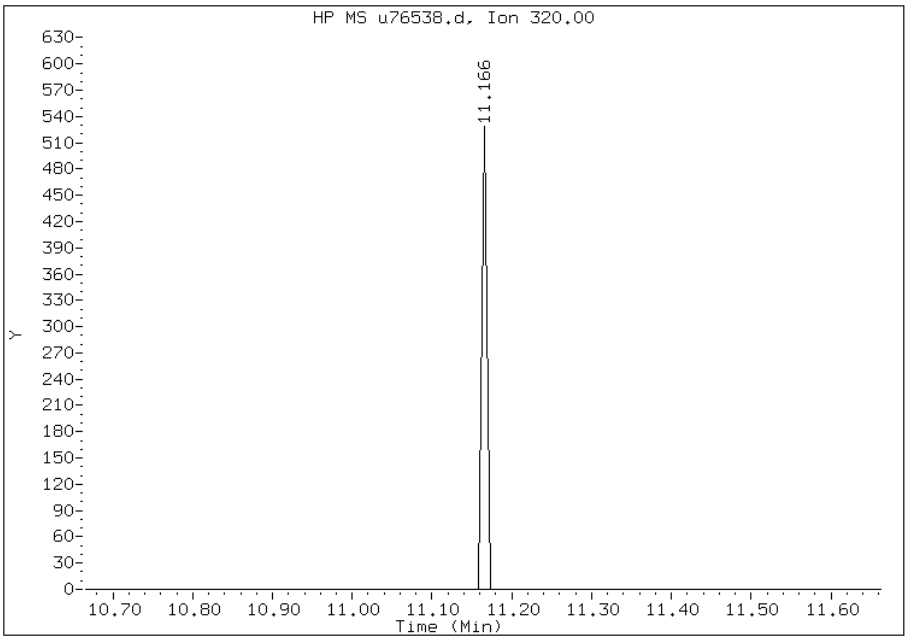
Manual Integration Results

RT: 11.17

Response: 232

Amount: 0

Conc: 0



Manually Integrated By: wahied
Manual Integration Reason:

Data File: /chem/BNAMS4.i/8270T/05-18-12/18may12.b/u76539.d
Report Date: 18-May-2012 13:38

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS4.i/8270T/05-18-12/18may12.b/u76539.d
Lab Smp Id: IC-1519307
Inj Date : 18-MAY-2012 12:32
Operator : BNAMS 4 Inst ID: BNAMS4.i
Smp Info : IC-1519307
Misc Info :
Comment :
Method : /chem/BNAMS4.i/8270T/05-18-12/18may12.b/8270C_11.m
Meth Date : 18-May-2012 13:38 czhao Quant Type: ISTD
Cal Date : 18-MAY-2012 12:32 Cal File: u76539.d
Als bottle: 2 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * Uf*1000*Vt/(Ws*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
	106 1,4-Dioxane	88	1.781	1.781	(0.404)	112612	120.000	130(A)
	19 N-Nitrosodimethylamine	74	2.001	2.001	(0.454)	226770	120.000	130(AM)
	71 Pyridine	79	2.031	2.031	(0.460)	349862	120.000	130(AM)
$	16 2-Fluorophenol (SUR)	112	3.144	3.144	(0.713)	292949	120.000	120(A)
	110 Benzaldehyde	77	3.966	3.966	(0.899)	33842	120.000	22
	73 Aniline	93	4.077	4.077	(0.924)	421749	120.000	120(A)
$	17 Phenol-d5 (SUR)	99	4.062	4.062	(0.921)	411901	120.000	120(A)
	1 Phenol	94	4.069	4.069	(0.923)	433121	120.000	120(A)
	20 bis(2-Chloroethyl)ether	93	4.159	4.159	(0.943)	402723	120.000	140(AM)
	2 2-Chlorophenol	128	4.211	4.211	(0.955)	247063	120.000	120(A)
	113 n-decane	43	4.248	4.248	(0.963)	459509	120.000	120(A)
	21 1,3-Dichlorobenzene	146	4.359	4.359	(0.988)	333334	120.000	140(A)
*	79 1,4-Dichlorobenzene-d4	152	4.411	4.411	(1.000)	64153	40.0000	

Data File: /chem/BNAMS4.i/8270T/05-18-12/18may12.b/u76539.d
Report Date: 18-May-2012 13:38

							AMOUNTS	
		QUANT SIG					CAL-AMT	ON-COL
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/ml)	(ug/ml)
	22 1,4-Dichlorobenzene	146	4.426	4.426	(1.003)	350179	120.000	140(A)
	74 Benzyl Alcohol	108	4.564	4.564	(1.035)	211828	120.000	120(A)
	23 1,2-Dichlorobenzene	146	4.578	4.578	(1.038)	336796	120.000	140(A)
	24 bis (2-chloroisopropyl) ether	45	4.688	4.688	(1.063)	683812	120.000	120(A)
	3 2-Methylphenol	108	4.674	4.674	(1.060)	285550	120.000	120(A)
	104 Acetophenone	105	4.836	4.836	(1.096)	537561	120.000	120(A)
	25 N-Nitroso-di-n-propylamine	70	4.873	4.873	(1.105)	347507	120.000	130(AM)
	4 4-Methylphenol	108	4.836	4.836	(1.096)	322665	120.000	120
	123 3 & 4 Methylphenol	108	4.836	4.836	(1.096)	322665	120.000	120
	26 Hexachloroethane	117	4.918	4.918	(1.115)	188103	120.000	130(A)
$	76 Nitrobenzene-d5 (SUR)	82	4.985	4.985	(0.875)	485136	120.000	120(A)
	27 Nitrobenzene	77	5.007	5.007	(0.879)	692979	120.000	77
	107 N,N-Dimethylaniline	120	5.007	5.007	(1.135)	490102	120.000	140(A)
	28 Isophorone	82	5.257	5.257	(0.922)	744736	120.000	120(A)
	5 2-Nitrophenol	139	5.315	5.315	(0.933)	139021	120.000	130(A)
	6 2,4-Dimethylphenol	122	5.373	5.373	(0.943)	210833	120.000	120(A)
	29 bis(2-Chloroethoxy)methane	93	5.462	5.462	(0.958)	373444	120.000	130(A)
	7 2,4-Dichlorophenol	162	5.565	5.565	(0.976)	239495	120.000	130(A)
	15 Benzoic Acid	122	5.565	5.565	(0.976)	126048	120.000	100(M)
	30 1,2,4-Trichlorobenzene	180	5.640	5.640	(0.990)	304964	120.000	140(A)
*	80 Naphthalene-d8	136	5.699	5.699	(1.000)	200952	40.0000	
	31 Naphthalene	128	5.722	5.722	(1.004)	769685	120.000	140(A)
	32 4-Chloroaniline	127	5.781	5.781	(1.014)	280691	120.000	130(A)
	33 Hexachlorobutadiene	225	5.848	5.848	(1.026)	212384	120.000	140(A)
	111 Caprolactam	113	6.245	6.245	(1.096)	70231	120.000	100
	8 4-Chloro-3-methylphenol	107	6.290	6.290	(1.104)	280746	120.000	110
	34 2-Methylnaphthalene	142	6.424	6.424	(1.127)	497763	120.000	140(A)
	120 1-Methylnaphthalene	142	6.520	6.520	(1.144)	501891	120.000	130(A)
	35 Hexachlorocyclopentadiene	237	6.587	6.587	(0.882)	225783	120.000	140(A)
	129 1,2,4,5-Tetrachlorobenzene	216	6.594	6.594	(0.883)	349029	120.000	140(A)
	121 2-tert-Butyl-4-methylphenol	149	6.638	6.638	(1.165)	376668	120.000	120(A)
	9 2,4,6-Trichlorophenol	196	6.712	6.712	(0.899)	196708	120.000	130(A)
	10 2,4,5-Trichlorophenol	196	6.764	6.764	(0.906)	181671	120.000	120(A)
$	77 2-Fluorobiphenyl (SUR)	172	6.794	6.794	(0.910)	636501	120.000	140(A)
	102 Diphenyl	154	6.896	6.896	(0.924)	663801	120.000	140(A)
	36 2-Chloronaphthalene	162	6.918	6.918	(0.927)	536197	120.000	140(A)
	103 Diphenyl Ether	170	7.000	7.000	(0.938)	366653	120.000	140(A)
	37 2-Nitroaniline	65	7.030	7.030	(0.942)	256778	120.000	100
	125 1,3-Dimethylnaphthalene	156	7.134	7.134	(0.956)	388439	120.000	140(A)
	38 Dimethylphthalate	163	7.216	7.216	(0.967)	575270	120.000	130(A)
	114 Coumarin	146	7.244	7.244	(1.271)	162252	120.000	110
	40 2,6-Dinitrotoluene	165	7.274	7.274	(0.974)	129113	120.000	130(A)
	39 Acenaphthylene	152	7.331	7.331	(0.982)	728398	120.000	140(A)
	41 3-Nitroaniline	138	7.443	7.443	(0.997)	105795	120.000	120
*	82 Acenaphthene-d10	164	7.465	7.465	(1.000)	128782	40.0000	
	42 Acenaphthene	154	7.509	7.509	(1.006)	505722	120.000	140(A)
	122 2,6-Di-tert-butyl-p-cresol	205	7.494	7.494	(1.004)	485488	120.000	130(A)

Data File: /chem/BNAMS4.i/8270T/05-18-12/18may12.b/u76539.d
Report Date: 18-May-2012 13:38

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
	11 2,4-Dinitrophenol	184	7.539	7.539	(1.010)	101148	120.000	130(A)
	12 4-Nitrophenol	65	7.613	7.613	(1.020)	202139	120.000	110
	43 Dibenzofuran	168	7.679	7.679	(1.029)	736977	120.000	130(A)
	44 2,4-Dinitrotoluene	165	7.672	7.672	(1.028)	206078	120.000	130(A)
	130 2,3,4,6-Tetrachlorophenol	232	7.804	7.804	(1.045)	141763	120.000	120(A)
	45 Diethylphthalate	149	7.915	7.915	(1.060)	583639	120.000	120(A)
	47 Fluorene	166	8.019	8.019	(1.074)	629719	120.000	140(A)
	46 4-Chlorophenyl-phenylether	204	8.012	8.012	(1.073)	331314	120.000	140(A)
	48 4-Nitroaniline	138	8.078	8.078	(1.082)	91137	120.000	110
	13 4,6-Dinitro-2-methylphenol	198	8.093	8.093	(0.905)	120284	120.000	130(A)
	49 N-Nitrosodiphenylamine	169	8.144	8.144	(0.910)	339389	120.000	130(A)
	75 1,2-Diphenylhydrazine	77	8.174	8.174	(0.914)	1068605	120.000	140(A)
$	18 2,4,6-Tribromophenol (SUR)	330	8.263	8.263	(1.107)	112090	120.000	130(A)
	50 4-Bromophenyl-phenylether	248	8.500	8.500	(0.950)	151361	120.000	140(A)
	51 Hexachlorobenzene	284	8.574	8.574	(0.959)	195559	120.000	140(A)
	112 Atrazine	200	8.678	8.678	(0.970)	154203	120.000	120(A)
	14 Pentachlorophenol	266	8.760	8.760	(0.979)	134693	120.000	130(A)
	132 Pentachloronitrobenzene	237	8.782	8.782	(0.982)	92965	120.000	120(A)
	115 n-Octadecane	57	8.834	8.834	(0.988)	553204	120.000	140(A)
*	83 Phenanthrene-d10	188	8.945	8.945	(1.000)	196448	40.0000	
	52 Phenanthrene	178	8.973	8.973	(1.003)	747720	120.000	130(A)
	53 Anthracene	178	9.025	9.025	(1.009)	752889	120.000	140(A)
	54 Carbazole	167	9.178	9.178	(1.026)	608525	120.000	130(A)
	55 Di-n-butylphthalate	149	9.516	9.516	(1.064)	957082	120.000	130(A)
	56 Fluoranthene	202	10.142	10.142	(1.134)	837726	120.000	130(A)
	58 Benzidine	184	10.267	10.267	(1.148)	68115	120.000	88
	57 Pyrene	202	10.378	10.378	(0.883)	804219	120.000	120(A)
$	78 Terphenyl-d14	244	10.530	10.530	(0.896)	531676	120.000	120(A)
	59 Butylbenzylphthalate	149	11.058	11.058	(0.941)	388969	120.000	120(A)
	124 Carbamazepine	193	11.206	11.206	(0.954)	288935	120.000	110
	60 3,3'-Dichlorobenzidine	252	11.713	11.713	(0.997)	150472	120.000	110
	61 Benzo(a)anthracene	228	11.735	11.735	(0.999)	631480	120.000	120
*	81 Chrysene-d12	240	11.749	11.749	(1.000)	179121	40.0000	
	63 bis(2-Ethylhexyl)phthalate	149	11.764	11.764	(1.001)	574347	120.000	120(A)
	62 Chrysene	228	11.787	11.787	(1.003)	548865	120.000	120(A)
	64 Di-n-octylphthalate	149	12.640	12.640	(0.923)	819686	120.000	140(A)
	65 Benzo(b)fluoranthene	252	13.179	13.179	(0.962)	553341	120.000	160(A)
	66 Benzo(k)fluoranthene	252	13.216	13.216	(0.965)	438434	120.000	140(A)
	67 Benzo(a)pyrene	252	13.626	13.626	(0.995)	410818	120.000	150(A)
*	84 Perylene-d12	264	13.692	13.692	(1.000)	105583	40.0000	
	68 Indeno(1,2,3-cd)pyrene	276	15.272	15.272	(1.115)	432150	120.000	170(AM)
	69 Dibenz(a,h)anthracene	278	15.309	15.309	(1.118)	410049	120.000	160(A)
	70 Benzo(g,h,i)perylene	276	15.727	15.727	(1.149)	403747	120.000	140(A)

Data File: /chem/BNAMS4.i/8270T/05-18-12/18may12.b/u76539.d
Report Date: 18-May-2012 13:38

QC Flag Legend

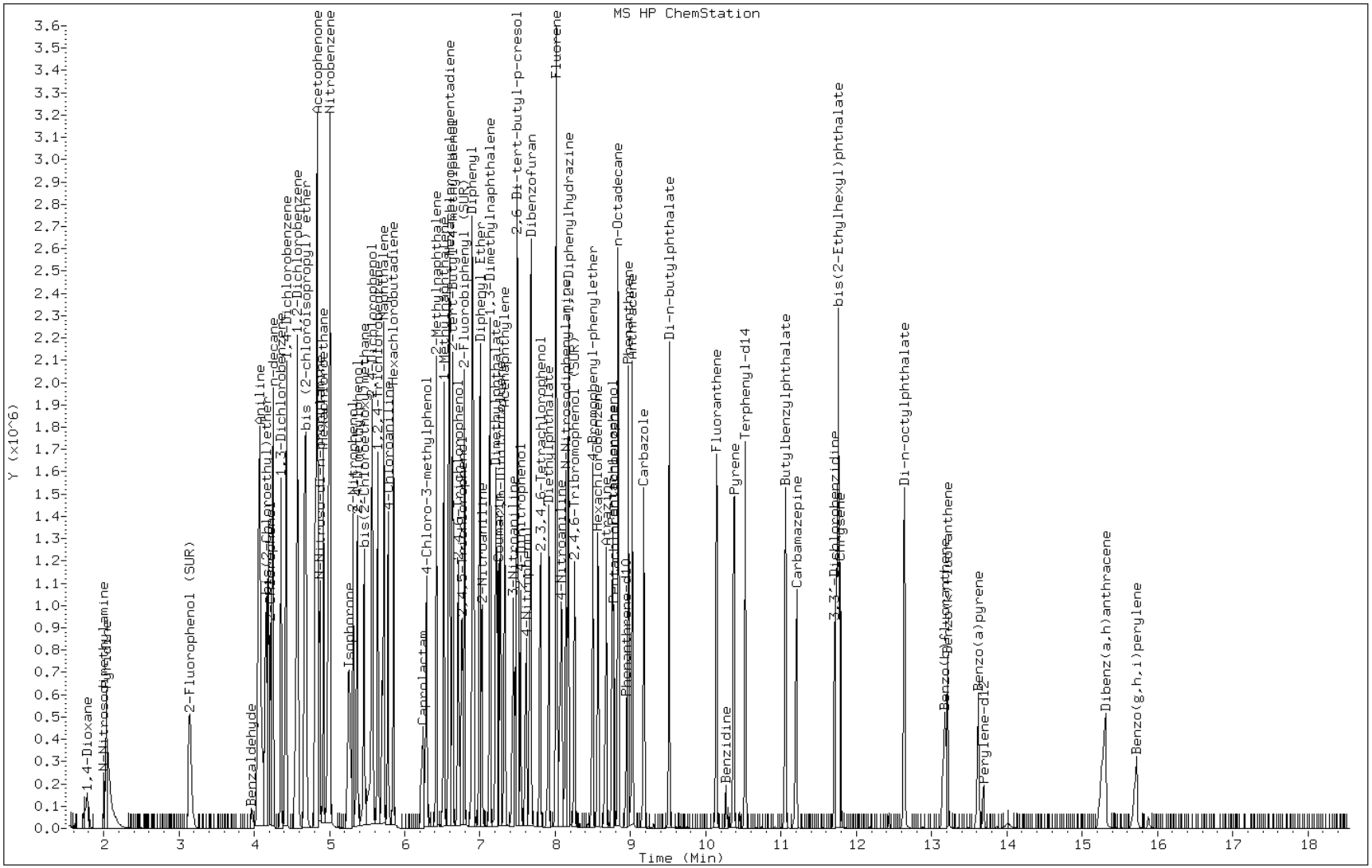
A - Target compound detected but, quantitated amount
    exceeded maximum amount.
M - Compound response manually integrated.

Data File: u76539.d

Date: 18-MAY-2012 12:32

Client ID: Instrument: BNAMS4.i

Sample Info: IC-1519307 Operator: BNAMS 4



Manual Integration Report

Data File: u76539.d
Inj. Date and Time: 18-MAY-2012 12:32
Instrument ID: BNAMS4.i
Client ID:
Compound: 20 bis(2-Chloroethyl)ether
CAS #: 111-44-4
Report Date: 05/21/2012

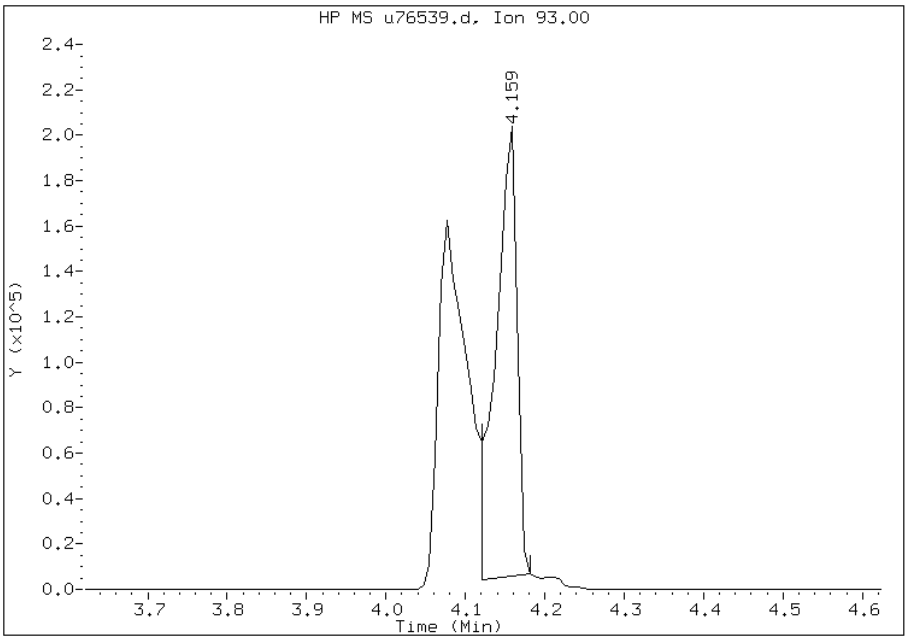
Processing Integration Results

RT: 4.16

Response: 369090

Amount: 28

Conc: 28



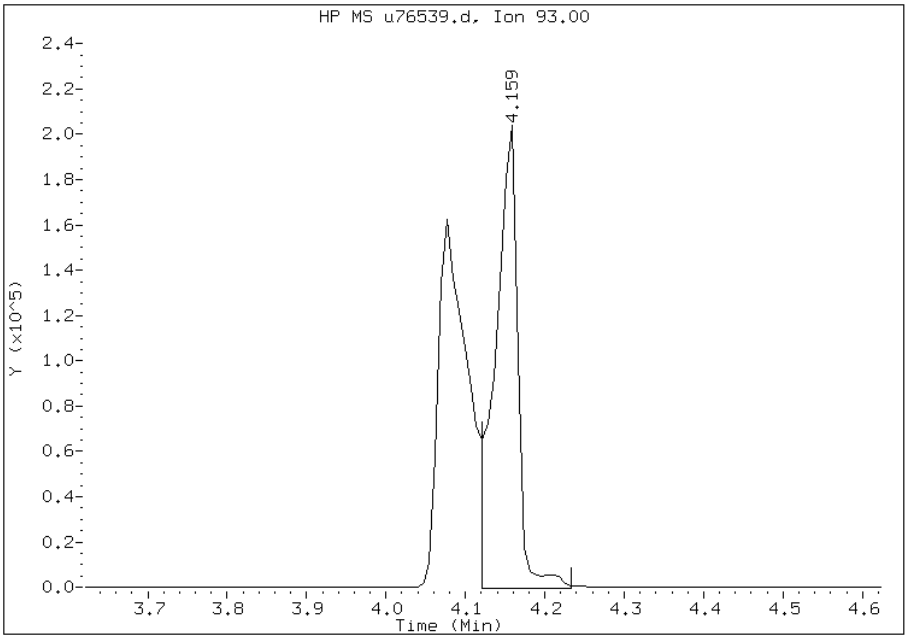
Manual Integration Results

RT: 4.16

Response: 402723

Amount: 142

Conc: 142



Manually Integrated By: wahied
Manual Integration Reason:

Manual Integration Report

Data File: u76539.d
Inj. Date and Time: 18-MAY-2012 12:32
Instrument ID: BNAMS4.i
Client ID:
Compound: 19 N-Nitrosodimethylamine
CAS #: 62-75-9
Report Date: 05/21/2012

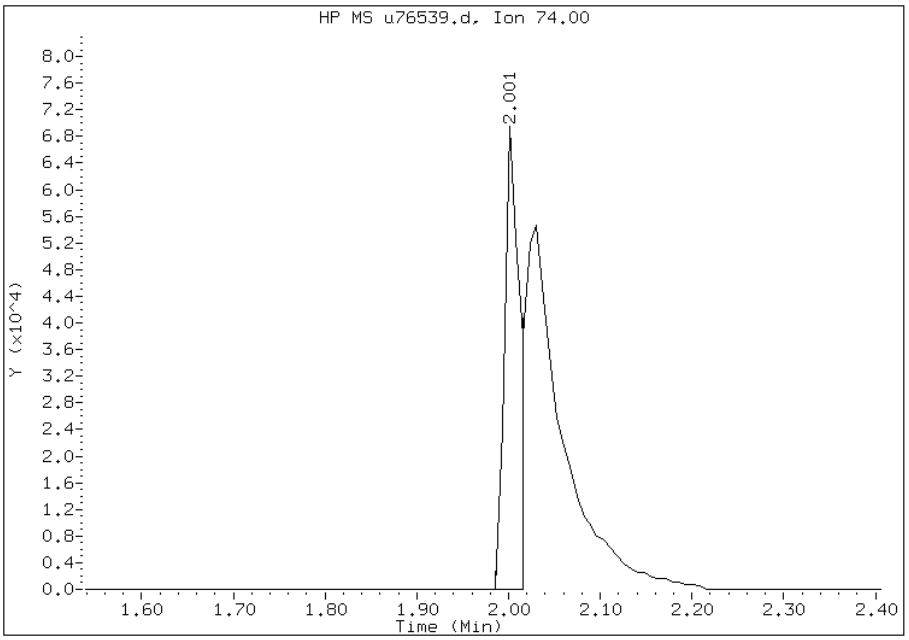
Processing Integration Results

RT: 2.00

Response: 81940

Amount: 64

Conc: 64



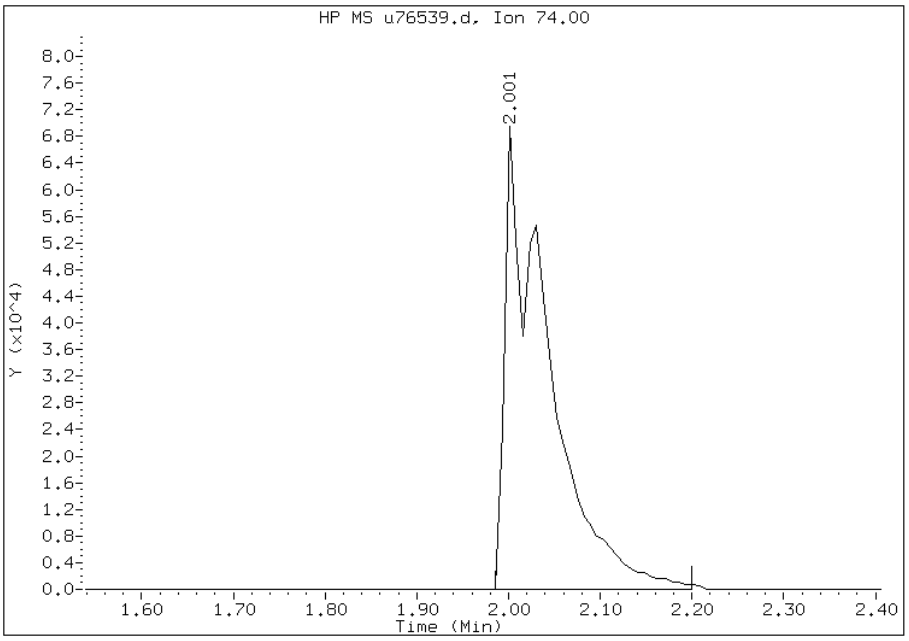
Manual Integration Results

RT: 2.00

Response: 226770

Amount: 126

Conc: 126



Manually Integrated By: wahied
Manual Integration Reason:

Manual Integration Report

Data File: u76539.d
Inj. Date and Time: 18-MAY-2012 12:32
Instrument ID: BNAMS4.i
Client ID:
Compound: 68 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 05/21/2012

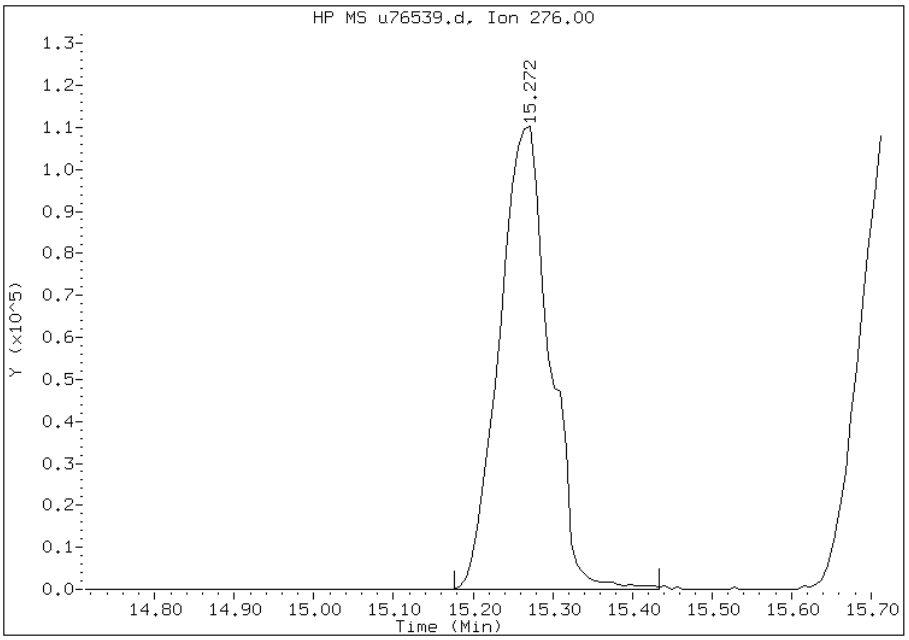
Processing Integration Results

RT: 15.27

Response: 483109

Amount: 48

Conc: 48



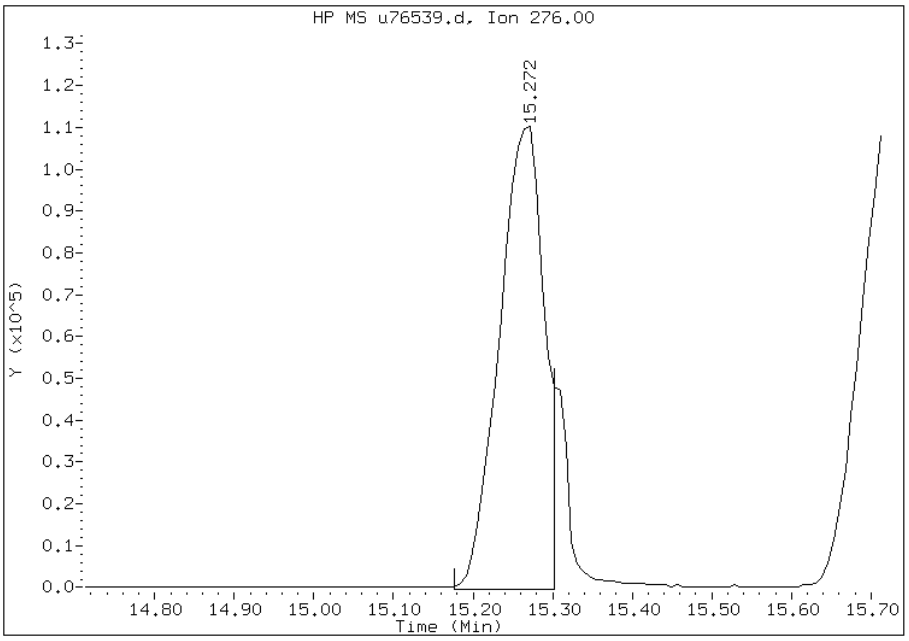
Manual Integration Results

RT: 15.27

Response: 432150

Amount: 171

Conc: 171



Manually Integrated By: wahied
Manual Integration Reason:

Manual Integration Report

Data File: u76539.d
Inj. Date and Time: 18-MAY-2012 12:32
Instrument ID: BNAMS4.i
Client ID:
Compound: 25 N-Nitroso-di-n-propylamine
CAS #: 621-64-7
Report Date: 05/21/2012

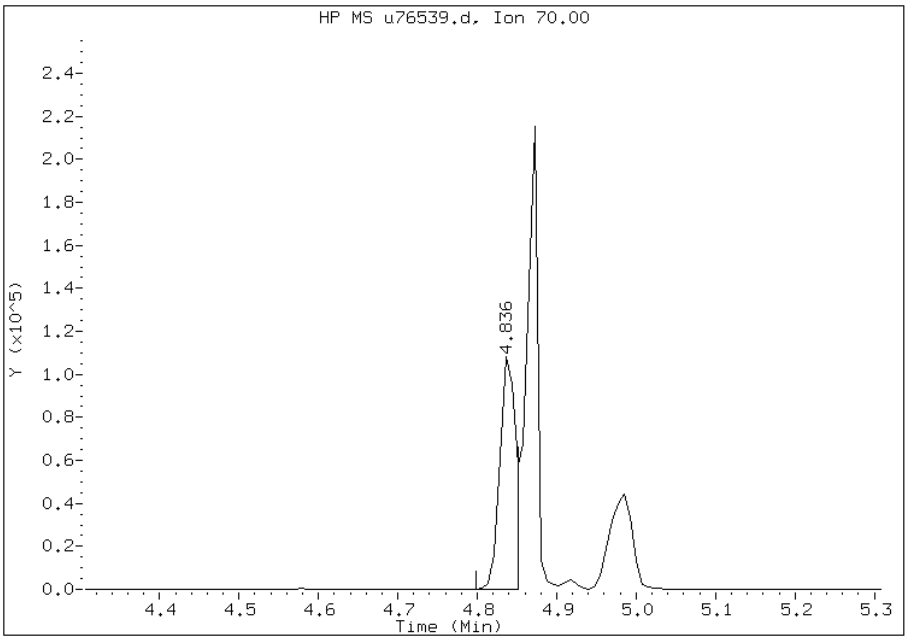
Processing Integration Results

RT: 4.84

Response: 153327

Amount: 69

Conc: 69



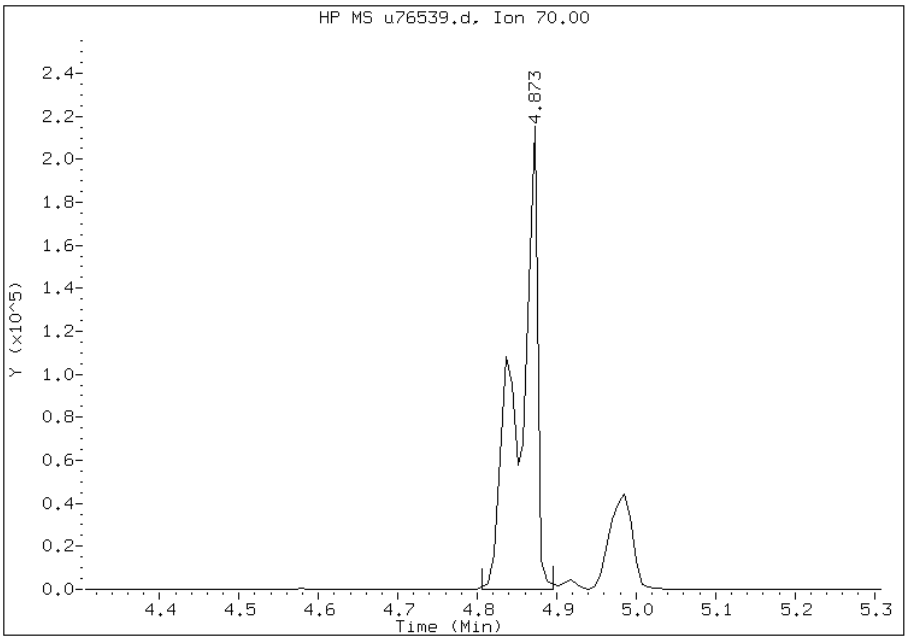
Manual Integration Results

RT: 4.87

Response: 347507

Amount: 127

Conc: 127



Manually Integrated By: wahied
Manual Integration Reason:

Manual Integration Report

Data File: u76539.d
Inj. Date and Time: 18-MAY-2012 12:32
Instrument ID: BNAMS4.i
Client ID:
Compound: 71 Pyridine
CAS #: 110-86-1
Report Date: 05/21/2012

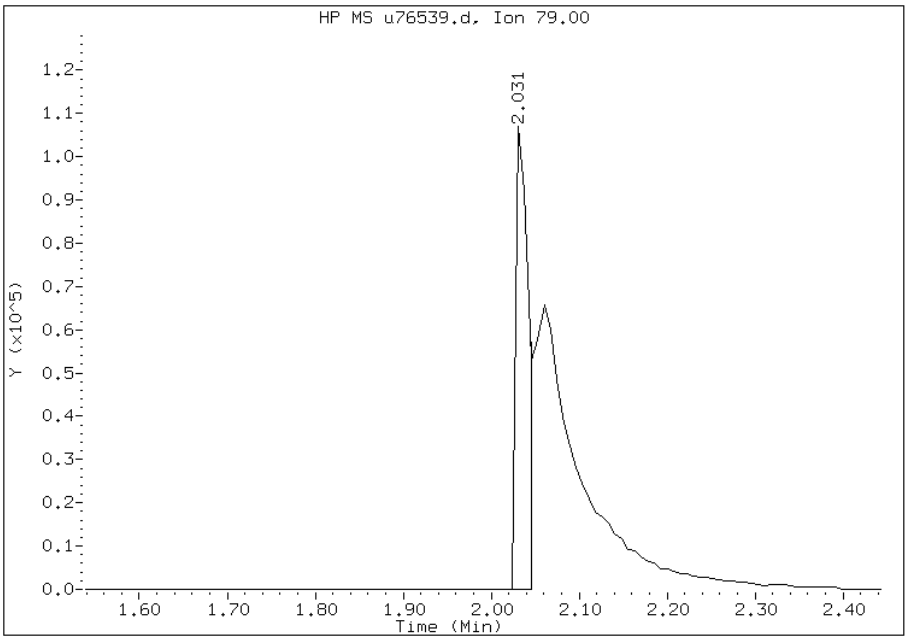
Processing Integration Results

RT: 2.03

Response: 112265

Amount: 56

Conc: 56



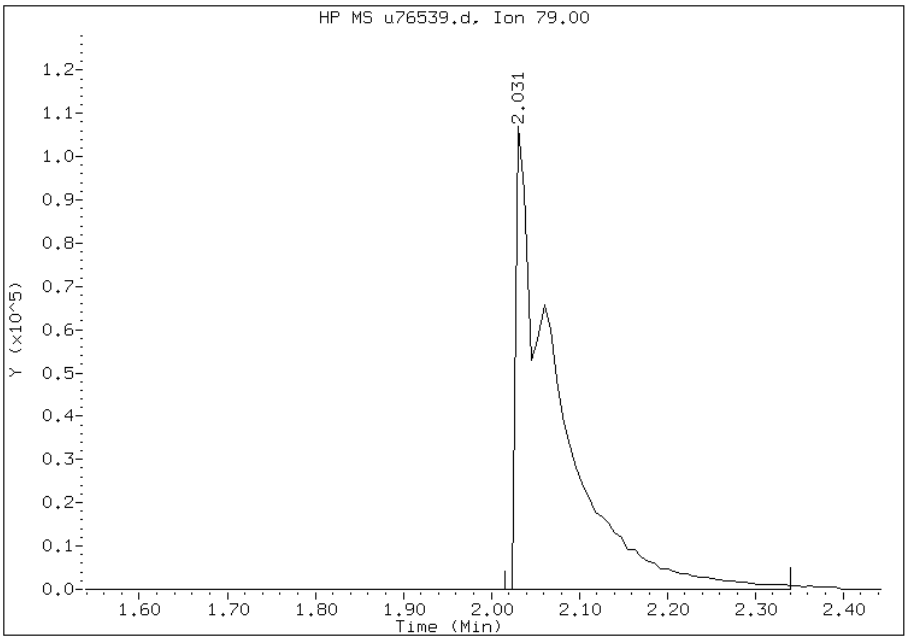
Manual Integration Results

RT: 2.03

Response: 349862

Amount: 132

Conc: 132



Manually Integrated By: wahied
Manual Integration Reason:

Manual Integration Report

Data File: u76539.d
Inj. Date and Time: 18-MAY-2012 12:32
Instrument ID: BNAMS4.i
Client ID:
Compound: 15 Benzoic Acid
CAS #: 65-85-0
Report Date: 05/21/2012

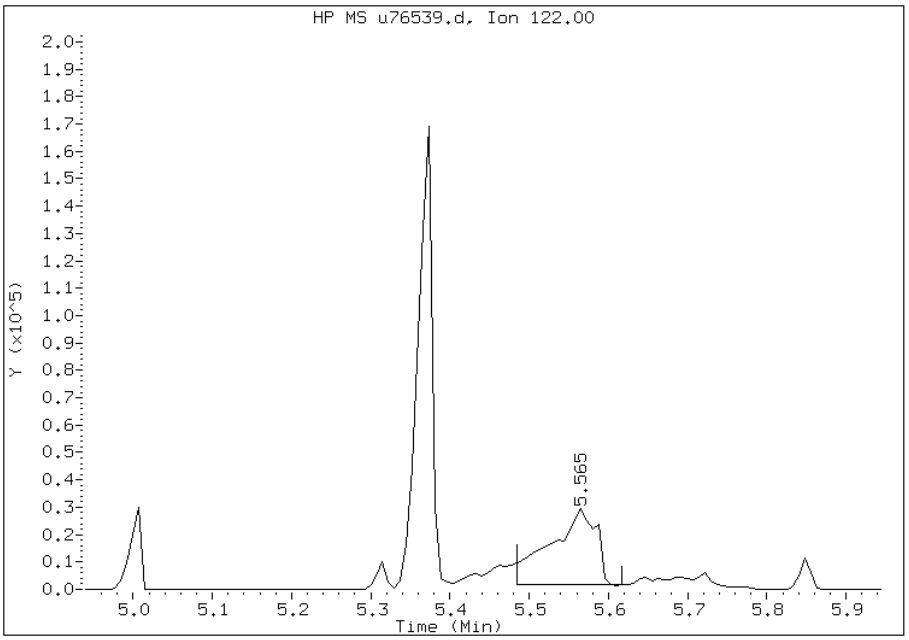
Processing Integration Results

RT: 5.57

Response: 112779

Amount: 96

Conc: 96



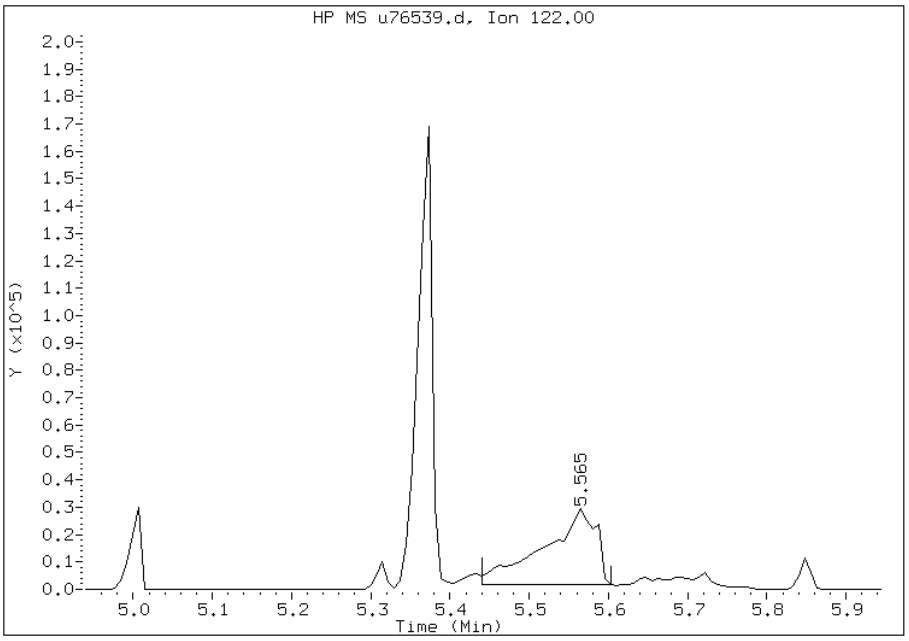
Manual Integration Results

RT: 5.57

Response: 126048

Amount: 104

Conc: 104



Manually Integrated By: wahied
Manual Integration Reason:

Data File: /chem/BNAMS4.i/8270T/05-18-12/18may12.b/u76540.d
Report Date: 18-May-2012 13:47

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS4.i/8270T/05-18-12/18may12.b/u76540.d
Lab Smp Id: IC-1519305
Inj Date : 18-MAY-2012 12:55
Operator : BNAMS 4 Inst ID: BNAMS4.i
Smp Info : IC-1519305
Misc Info :
Comment :
Method : /chem/BNAMS4.i/8270T/05-18-12/18may12.b/8270C_11.m
Meth Date : 18-May-2012 13:47 czhao Quant Type: ISTD
Cal Date : 18-MAY-2012 12:55 Cal File: u76540.d
Als bottle: 3 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * Uf*1000*Vt/(Ws*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
	106 1,4-Dioxane	88	1.692	1.692	(0.385)	3788	5.00000	4.5(a)
	19 N-Nitrosodimethylamine	74	1.911	1.911	(0.435)	7709	5.00000	4.4(a)
	71 Pyridine	79	1.954	1.954	(0.445)	10199	5.00000	4.0(a)
$	16 2-Fluorophenol (SUR)	112	3.082	3.082	(0.702)	9895	5.00000	4.3(a)
	110 Benzaldehyde	77	3.949	3.949	(0.900)	10505	5.00000	9.4
	73 Aniline	93	4.052	4.052	(0.923)	15869	5.00000	4.5(a)
$	17 Phenol-d5 (SUR)	99	4.009	4.009	(0.913)	14043	5.00000	4.4(a)
	1 Phenol	94	4.016	4.016	(0.915)	14023	5.00000	4.1(aH)
	20 bis(2-Chloroethyl)ether	93	4.119	4.119	(0.938)	1214	0.50000	0.46(aM)
	2 2-Chlorophenol	128	4.177	4.177	(0.952)	8017	5.00000	4.1(a)
	113 n-decane	43	4.236	4.236	(0.965)	16861	5.00000	4.9(a)
	21 1,3-Dichlorobenzene	146	4.337	4.337	(0.988)	9853	5.00000	4.3(a)
*	79 1,4-Dichlorobenzene-d4	152	4.389	4.389	(1.000)	61120	40.0000	

Data File: /chem/BNAMS4.i/8270T/05-18-12/18may12.b/u76540.d
Report Date: 18-May-2012 13:47

		QUANT SIG					AMOUNTS	
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
	22 1,4-Dichlorobenzene	146	4.412	4.412	(1.005)	10513	5.00000	4.3(a)
	74 Benzyl Alcohol	108	4.521	4.521	(1.030)	7102	5.00000	4.3(a)
	23 1,2-Dichlorobenzene	146	4.565	4.565	(1.040)	9852	5.00000	4.4(a)
	24 bis (2-chloroisopropyl) ether	45	4.668	4.668	(1.063)	23625	5.00000	4.5(a)
	3 2-Methylphenol	108	4.638	4.638	(1.057)	9657	5.00000	4.3(a)
	104 Acetophenone	105	4.793	4.793	(1.092)	19234	5.00000	4.5(a)
	25 N-Nitroso-di-n-propylamine	70	4.801	4.801	(1.094)	999	0.50000	0.37(aM)
	4 4-Methylphenol	108	4.793	4.793	(1.092)	11545	5.00000	4.2(a)
	123 3 & 4 Methylphenol	108	4.793	4.793	(1.092)	11545	5.00000	4.2(a)
	26 Hexachloroethane	117	4.911	4.911	(1.119)	619	0.50000	0.45(aM)
$	76 Nitrobenzene-d5 (SUR)	82	4.948	4.948	(0.870)	19284	5.00000	4.7(a)
	27 Nitrobenzene	77	4.970	4.970	(0.874)	2629	0.50000	0.45(aMH)
	107 N,N-Dimethylaniline	120	4.977	4.977	(1.134)	1206	0.50000	0.35(aM)
	28 Isophorone	82	5.211	5.211	(0.916)	31067	5.00000	4.7(a)
	5 2-Nitrophenol	139	5.299	5.299	(0.931)	4744	5.00000	4.0(a)
	6 2,4-Dimethylphenol	122	5.336	5.336	(0.938)	8113	5.00000	4.4(a)
	29 bis(2-Chloroethoxy)methane	93	5.438	5.438	(0.956)	13648	5.00000	4.4(a)
	7 2,4-Dichlorophenol	162	5.534	5.534	(0.973)	8505	5.00000	4.2(a)
	15 Benzoic Acid	122	5.417	5.417	(0.952)	6395	5.00000	5.0
	30 1,2,4-Trichlorobenzene	180	5.630	5.630	(0.990)	815	0.50000	0.36(aM)
*	80 Naphthalene-d8	136	5.689	5.689	(1.000)	214683	40.0000	
	31 Naphthalene	128	5.704	5.704	(1.003)	23139	5.00000	4.0(a)
	32 4-Chloroaniline	127	5.763	5.763	(1.013)	10516	5.00000	4.5(a)
	33 Hexachlorobutadiene	225	5.843	5.843	(1.027)	1200	1.00000	0.72(aM)
	111 Caprolactam	113	6.088	6.088	(1.070)	3717	5.00000	5.4(H)
	8 4-Chloro-3-methylphenol	107	6.257	6.257	(1.100)	13525	5.00000	5.0
	34 2-Methylnaphthalene	142	6.403	6.403	(1.126)	15316	5.00000	4.0(a)
	120 1-Methylnaphthalene	142	6.505	6.505	(1.143)	16811	5.00000	4.1(a)
	35 Hexachlorocyclopentadiene	237	6.578	6.578	(0.882)	8286	5.00000	4.3(a)
	129 1,2,4,5-Tetrachlorobenzene	216	6.578	6.578	(0.882)	12340	5.00000	4.1(a)
	121 2-tert-Butyl-4-methylphenol	149	6.615	6.615	(1.163)	14572	5.00000	4.4(a)
	9 2,4,6-Trichlorophenol	196	6.696	6.696	(0.898)	7849	5.00000	4.3(a)
	10 2,4,5-Trichlorophenol	196	6.725	6.725	(0.902)	8243	5.00000	4.6(a)
$	77 2-Fluorobiphenyl (SUR)	172	6.777	6.777	(0.909)	22515	5.00000	4.2(a)
	102 Diphenyl	154	6.880	6.880	(0.923)	22239	5.00000	4.0(a)
	36 2-Chloronaphthalene	162	6.895	6.895	(0.925)	18649	5.00000	4.2(a)
	103 Diphenyl Ether	170	6.983	6.983	(0.936)	12846	5.00000	4.2(a)
	37 2-Nitroaniline	65	6.998	6.998	(0.938)	29598	10.0000	10
	125 1,3-Dimethylnaphthalene	156	7.117	7.117	(0.954)	14037	5.00000	4.2(a)
	38 Dimethylphthalate	163	7.184	7.184	(0.963)	25587	5.00000	4.7(a)
	114 Coumarin	146	7.205	7.205	(1.267)	7647	5.00000	5.0
	40 2,6-Dinitrotoluene	165	7.235	7.235	(0.970)	853	1.00000	0.73(aM)
	39 Acenaphthylene	152	7.309	7.309	(0.980)	28267	5.00000	4.4(a)
	41 3-Nitroaniline	138	7.405	7.405	(0.993)	10519	10.0000	9.9(a)
*	82 Acenaphthene-d10	164	7.457	7.457	(1.000)	152886	40.0000	
	42 Acenaphthene	154	7.487	7.487	(1.004)	19361	5.00000	4.4(aH)
	122 2,6-Di-tert-butyl-p-cresol	205	7.480	7.480	(1.003)	19197	5.00000	4.4(a)

Data File: /chem/BNAMS4.i/8270T/05-18-12/18may12.b/u76540.d
Report Date: 18-May-2012 13:47

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
	11 2,4-Dinitrophenol	184	7.509	7.509	(1.007)	12171	15.0000	13(a)
	12 4-Nitrophenol	65	7.575	7.575	(1.016)	34472	15.0000	16
	43 Dibenzofuran	168	7.655	7.655	(1.027)	27958	5.00000	4.2(a)
	44 2,4-Dinitrotoluene	165	7.640	7.640	(1.025)	1590	1.00000	0.87(aM)
	130 2,3,4,6-Tetrachlorophenol	232	7.780	7.780	(1.043)	6248	5.00000	4.5(a)
	45 Diethylphthalate	149	7.890	7.890	(1.058)	29265	5.00000	5.2
	47 Fluorene	166	7.994	7.994	(1.072)	21696	5.00000	3.9(a)
	46 4-Chlorophenyl-phenylether	204	8.002	8.002	(1.073)	11850	5.00000	4.0(a)
	48 4-Nitroaniline	138	8.016	8.016	(1.075)	10887	10.0000	11
	13 4,6-Dinitro-2-methylphenol	198	8.046	8.046	(0.901)	17628	15.0000	13(a)
	49 N-Nitrosodiphenylamine	169	8.113	8.113	(0.908)	15951	5.00000	4.0(a)
	75 1,2-Diphenylhydrazine	77	8.150	8.150	(0.913)	40850	5.00000	3.7(a)
$	18 2,4,6-Tribromophenol (SUR)	330	8.239	8.239	(1.105)	4227	5.00000	4.2(a)
	50 4-Bromophenyl-phenylether	248	8.479	8.479	(0.949)	6490	5.00000	4.0(a)
	51 Hexachlorobenzene	284	8.553	8.553	(0.958)	683	0.50000	0.34(aM)
	112 Atrazine	200	8.642	8.642	(0.968)	8350	5.00000	4.5(a)
	14 Pentachlorophenol	266	8.745	8.745	(0.979)	18525	15.0000	12(a)
	132 Pentachloronitrobenzene	237	8.760	8.760	(0.981)	5297	5.00000	4.7(a)
	115 n-Octadecane	57	8.827	8.827	(0.988)	23960	5.00000	4.0(a)
*	83 Phenanthrene-d10	188	8.931	8.931	(1.000)	290155	40.0000	
	52 Phenanthrene	178	8.952	8.952	(1.002)	34911	5.00000	4.2(a)
	53 Anthracene	178	9.004	9.004	(1.008)	35013	5.00000	4.2(a)
	54 Carbazole	167	9.158	9.158	(1.025)	31535	5.00000	4.4(a)
	55 Di-n-butylphthalate	149	9.502	9.502	(1.064)	47821	5.00000	4.4(a)
	56 Fluoranthene	202	10.124	10.124	(1.134)	41200	5.00000	4.4(a)
	58 Benzidine	184	10.258	10.258	(1.149)	6032	5.00000	5.5
	57 Pyrene	202	10.353	10.353	(0.883)	41267	5.00000	4.4(a)
$	78 Terphenyl-d14	244	10.516	10.516	(0.896)	27049	5.00000	4.4(a)
	59 Butylbenzylphthalate	149	11.046	11.046	(0.942)	21508	5.00000	4.6(a)
	124 Carbamazepine	193	11.171	11.171	(0.952)	18684	5.00000	5.1
	60 3,3'-Dichlorobenzidine	252	11.678	11.678	(0.996)	22821	10.0000	11
	61 Benzo(a)anthracene	228	11.715	11.715	(0.999)	4072	0.50000	0.54
*	81 Chrysene-d12	240	11.730	11.730	(1.000)	258232	40.0000	
	63 bis(2-Ethylhexyl)phthalate	149	11.751	11.751	(1.002)	30682	5.00000	4.6(a)
	62 Chrysene	228	11.759	11.759	(1.002)	31205	5.00000	4.8(a)
	64 Di-n-octylphthalate	149	12.616	12.616	(0.922)	44800	5.00000	4.0(a)
	65 Benzo(b)fluoranthene	252	13.133	13.133	(0.960)	2183	0.50000	0.32(aM)
	66 Benzo(k)fluoranthene	252	13.170	13.170	(0.962)	2113	0.50000	0.35(aM)
	67 Benzo(a)pyrene	252	13.582	13.582	(0.993)	1605	0.50000	0.31(aM)
*	84 Perylene-d12	264	13.685	13.685	(1.000)	192082	40.0000	
	68 Indeno(1,2,3-cd)pyrene	276	15.204	15.204	(1.111)	985	0.50000	0.20(aM)
	69 Dibenz(a,h)anthracene	278	15.240	15.240	(1.114)	1312	0.50000	0.28(aM)
	70 Benzo(g,h,i)perylene	276	15.644	15.644	(1.143)	21032	5.00000	4.1(a)

Data File: /chem/BNAMS4.i/8270T/05-18-12/18may12.b/u76540.d
Report Date: 18-May-2012 13:47

QC Flag Legend

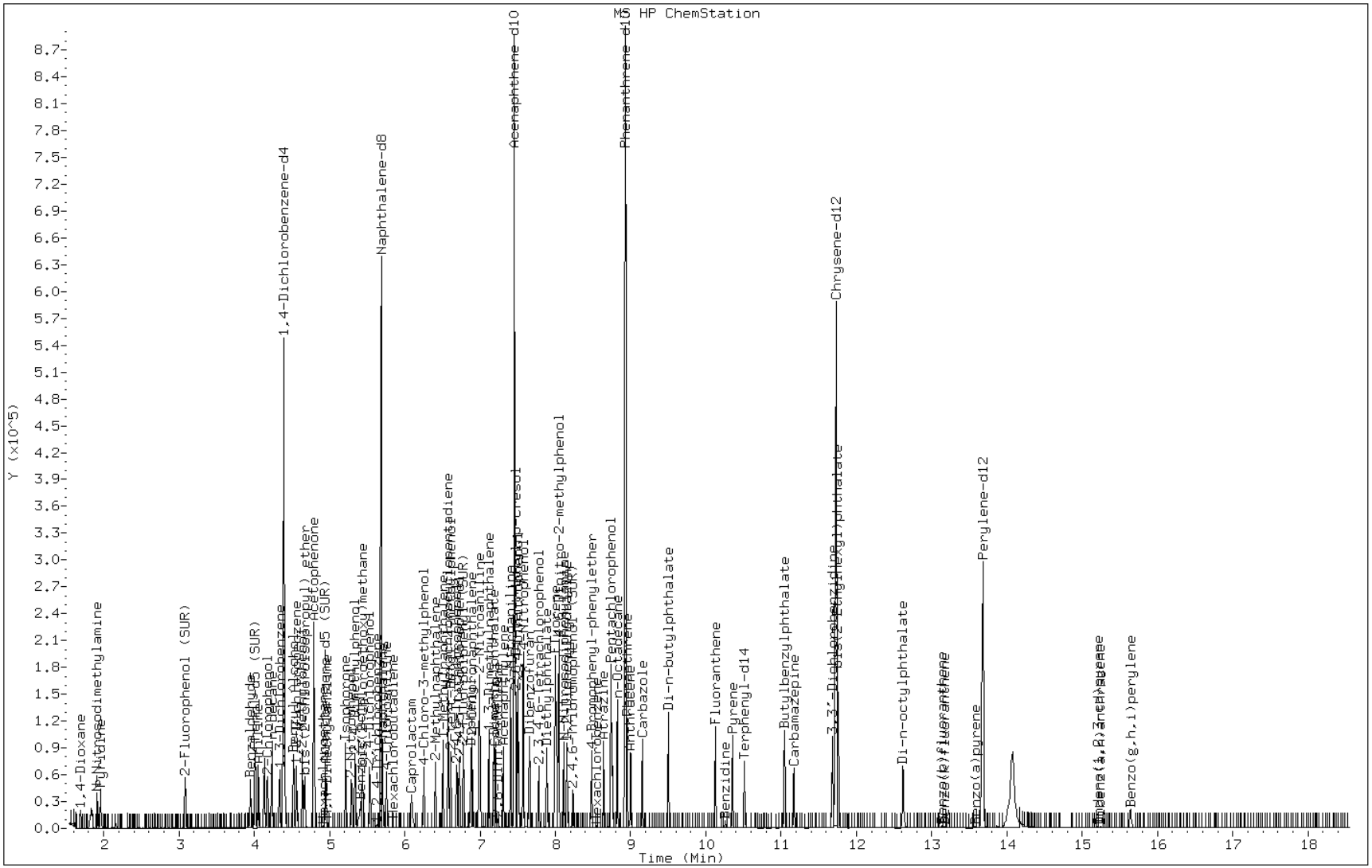
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: u76540.d

Date: 18-MAY-2012 12:55

Client ID: Instrument: BNAMS4.i

Sample Info: IC-1519305 Operator: BNAMS 4



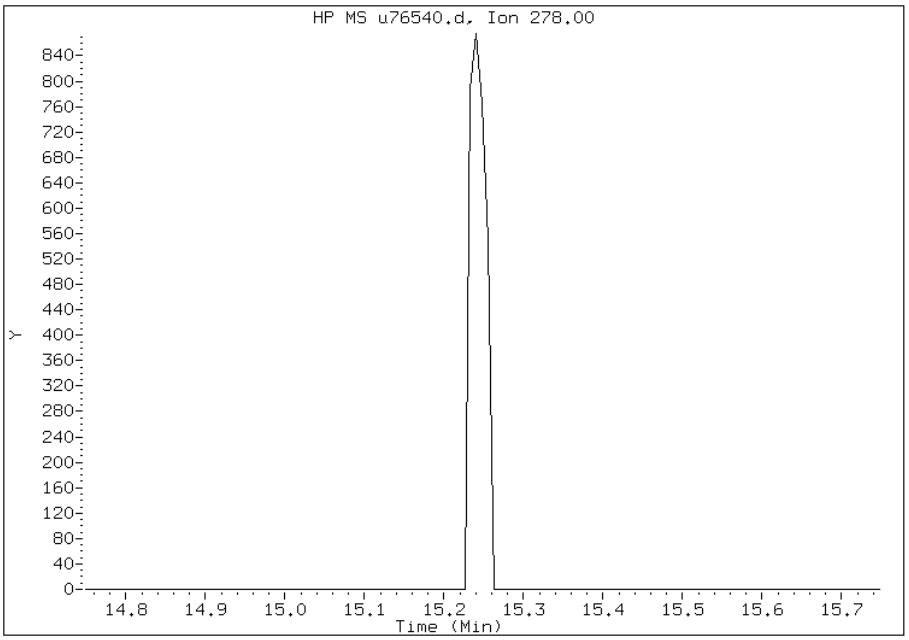
Manual Integration Report

Data File: u76540.d
Inj. Date and Time: 18-MAY-2012 12:55
Instrument ID: BNAMS4.i
Client ID:
Compound: 69 Dibenz(a,h)anthracene
CAS #: 53-70-3
Report Date: 05/21/2012

Processing Integration Results

Not Detected

Expected RT: 15.25



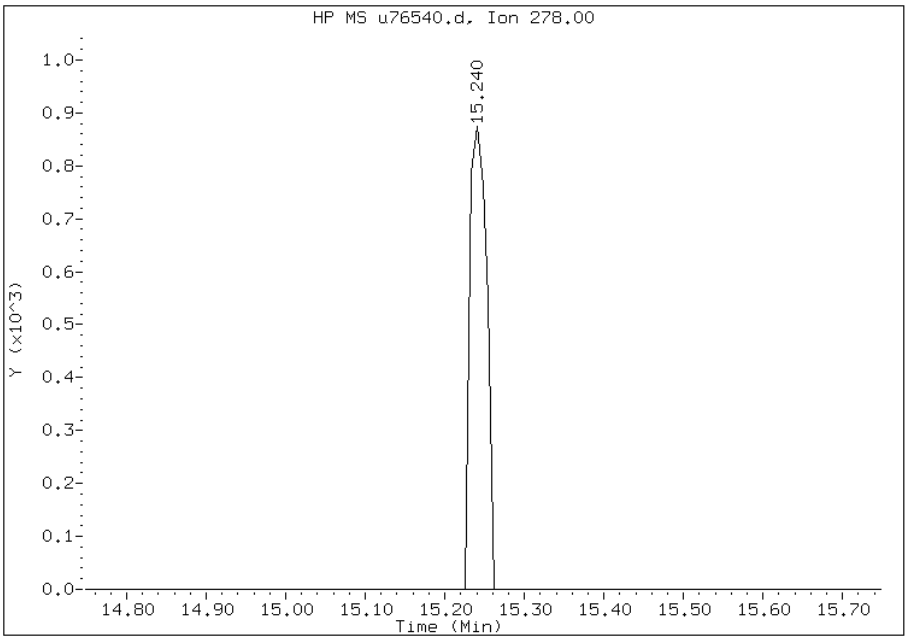
Manual Integration Results

RT: 15.24

Response: 1312

Amount: 0

Conc: 0



Manually Integrated By: wahied
Manual Integration Reason:

Manual Integration Report

Data File: u76540.d
Inj. Date and Time: 18-MAY-2012 12:55
Instrument ID: BNAMS4.i
Client ID:
Compound: 68 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 05/21/2012

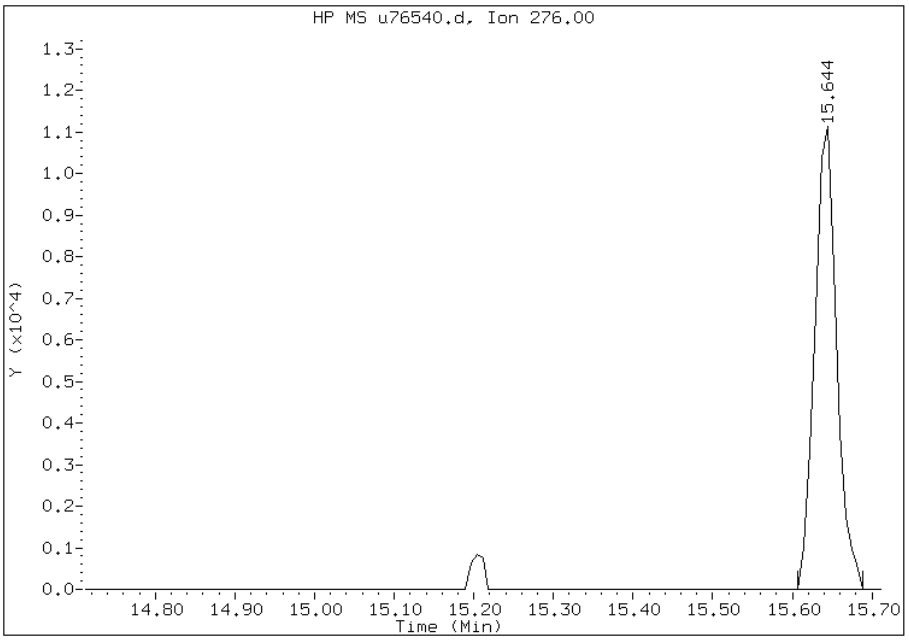
Processing Integration Results

RT: 15.64

Response: 21032

Amount: 1

Conc: 1



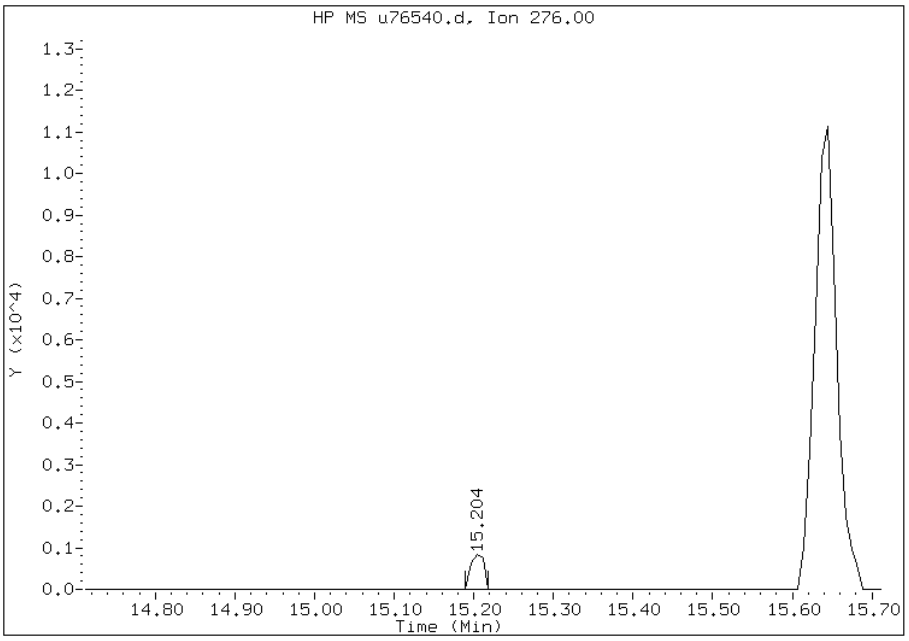
Manual Integration Results

RT: 15.20

Response: 985

Amount: 0

Conc: 0



Manually Integrated By: wahied
Manual Integration Reason:

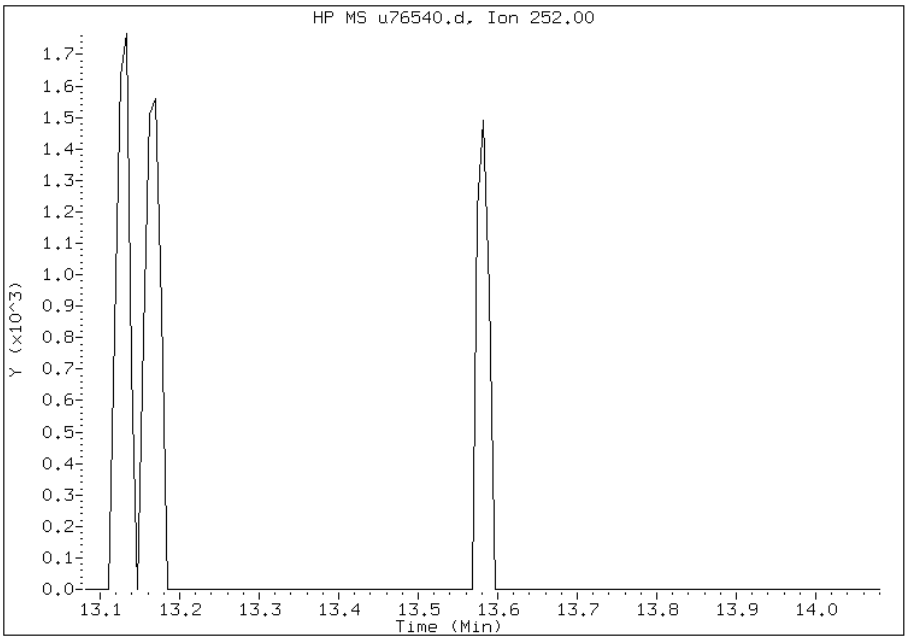
Manual Integration Report

Data File: u76540.d
Inj. Date and Time: 18-MAY-2012 12:55
Instrument ID: BNAMS4.i
Client ID:
Compound: 67 Benzo(a)pyrene
CAS #: 50-32-8
Report Date: 05/21/2012

Processing Integration Results

Not Detected

Expected RT: 13.58



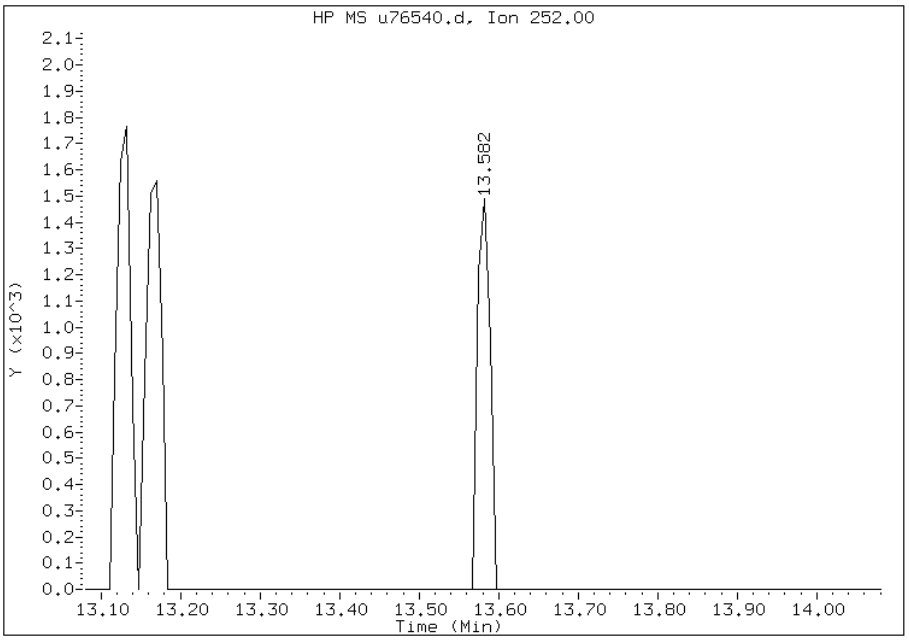
Manual Integration Results

RT: 13.58

Response: 1605

Amount: 0

Conc: 0



Manually Integrated By: wahied
Manual Integration Reason:

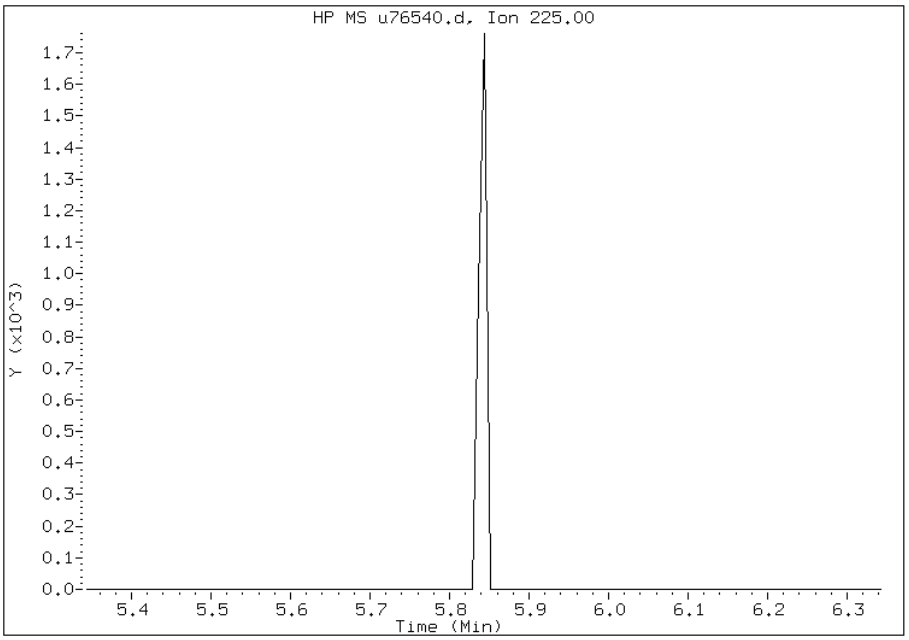
Manual Integration Report

Data File: u76540.d
Inj. Date and Time: 18-MAY-2012 12:55
Instrument ID: BNAMS4.i
Client ID:
Compound: 33 Hexachlorobutadiene
CAS #: 87-68-3
Report Date: 05/21/2012

Processing Integration Results

Not Detected

Expected RT: 5.84



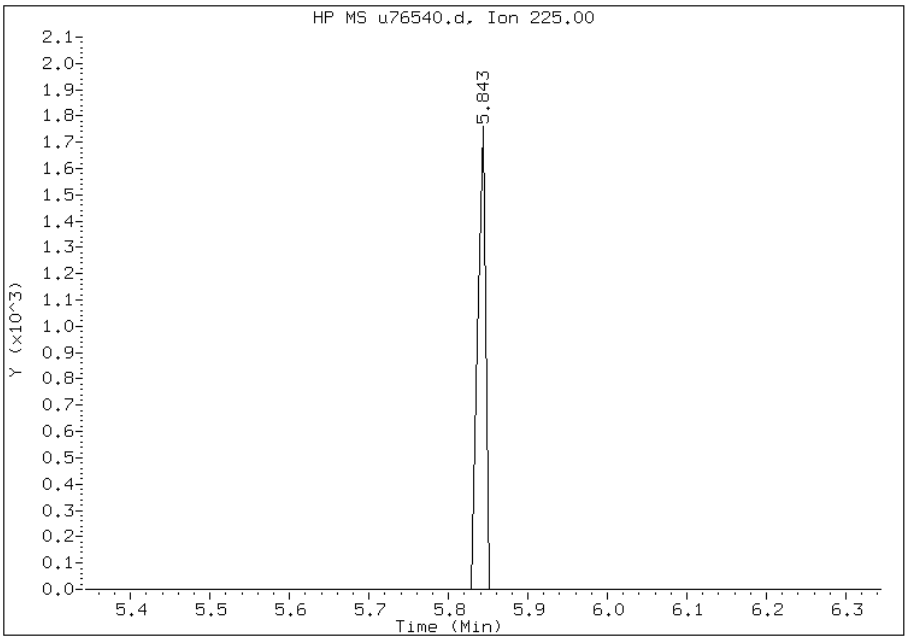
Manual Integration Results

RT: 5.84

Response: 1200

Amount: 1

Conc: 1



Manually Integrated By: wahied
Manual Integration Reason:

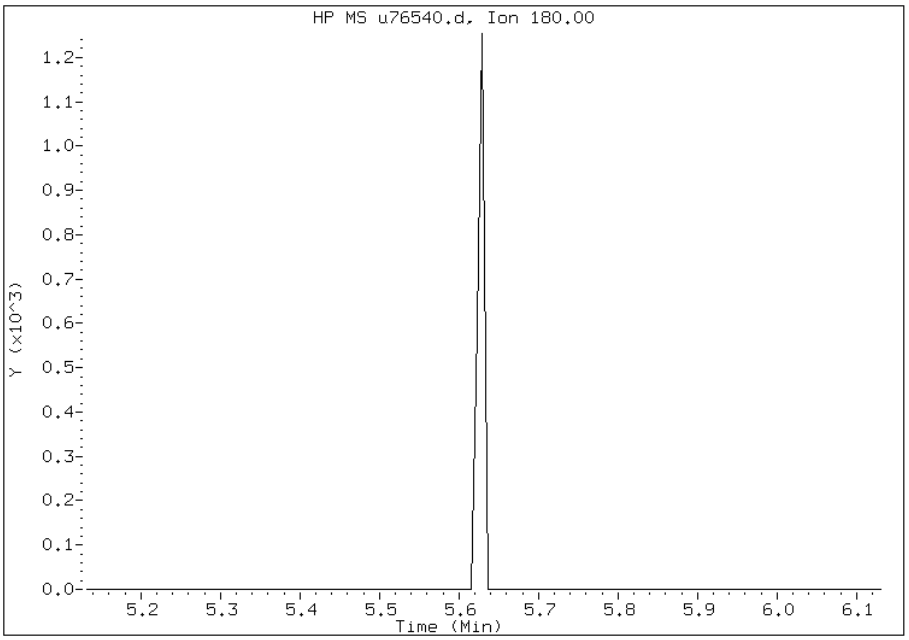
Manual Integration Report

Data File: u76540.d
Inj. Date and Time: 18-MAY-2012 12:55
Instrument ID: BNAMS4.i
Client ID:
Compound: 30 1,2,4-Trichlorobenzene
CAS #: 120-82-1
Report Date: 05/21/2012

Processing Integration Results

Not Detected

Expected RT: 5.63



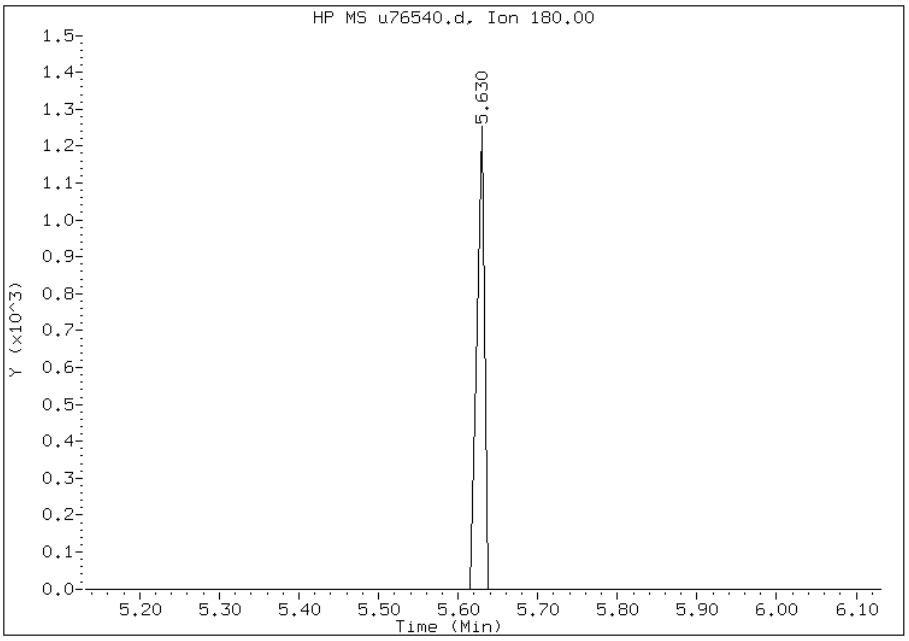
Manual Integration Results

RT: 5.63

Response: 815

Amount: 0

Conc: 0



Manually Integrated By: wahied
Manual Integration Reason:

Manual Integration Report

Data File: u76540.d
Inj. Date and Time: 18-MAY-2012 12:55
Instrument ID: BNAMS4.i
Client ID:
Compound: 20 bis(2-Chloroethyl)ether
CAS #: 111-44-4
Report Date: 05/21/2012

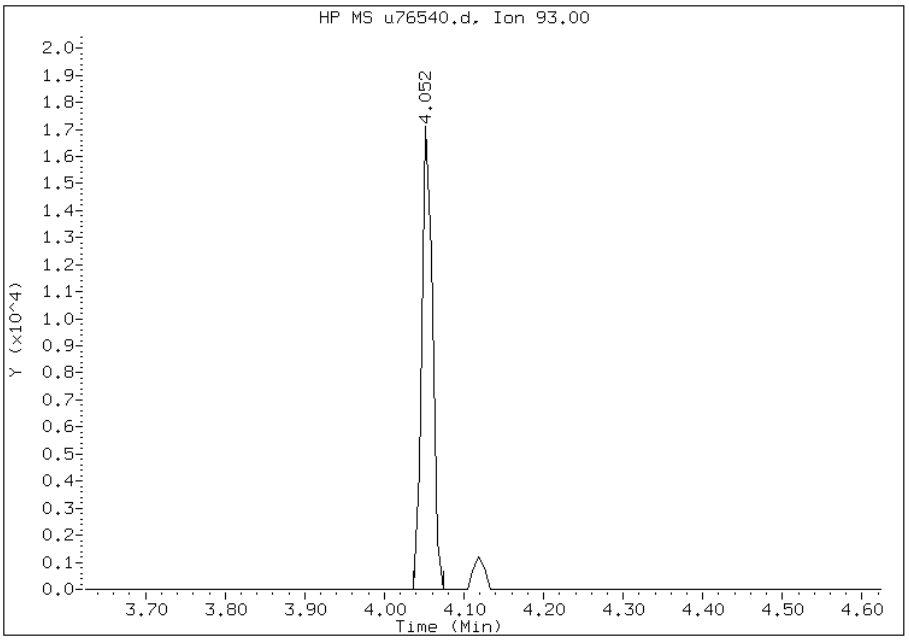
Processing Integration Results

RT: 4.05

Response: 15869

Amount: 1

Conc: 1



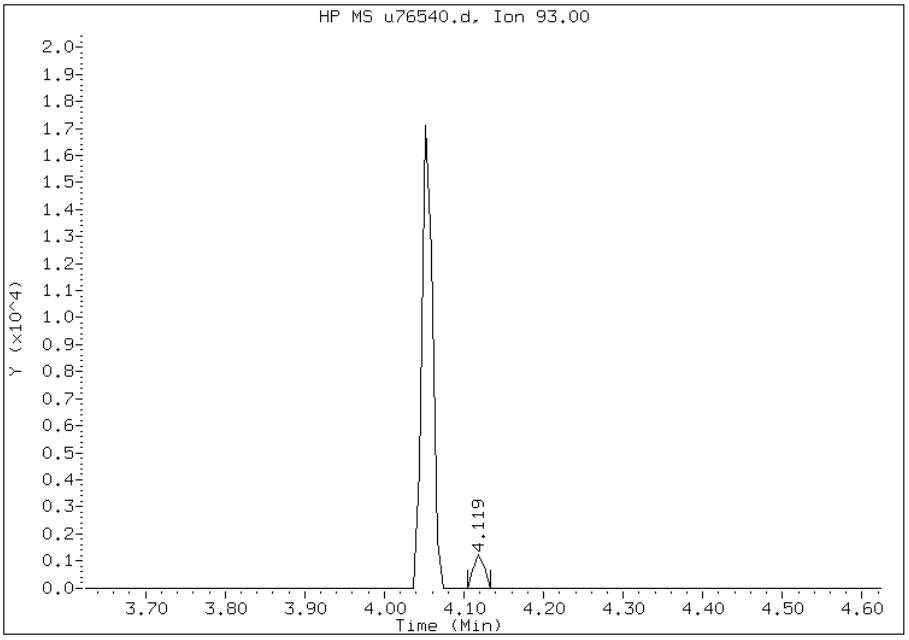
Manual Integration Results

RT: 4.12

Response: 1214

Amount: 0

Conc: 0



Manually Integrated By: wahied
Manual Integration Reason:

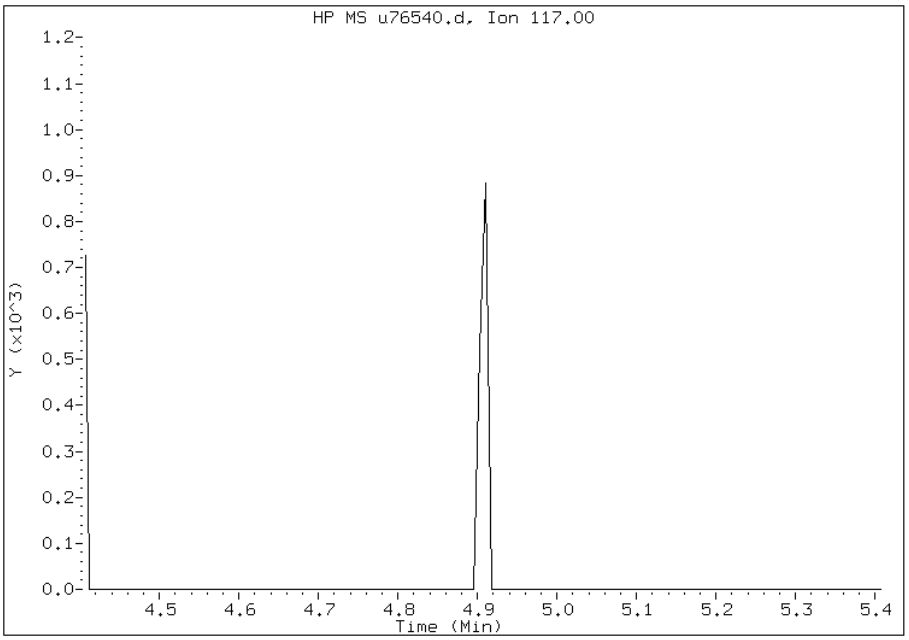
Manual Integration Report

Data File: u76540.d
Inj. Date and Time: 18-MAY-2012 12:55
Instrument ID: BNAMS4.i
Client ID:
Compound: 26 Hexachloroethane
CAS #: 67-72-1
Report Date: 05/21/2012

Processing Integration Results

Not Detected

Expected RT: 4.91



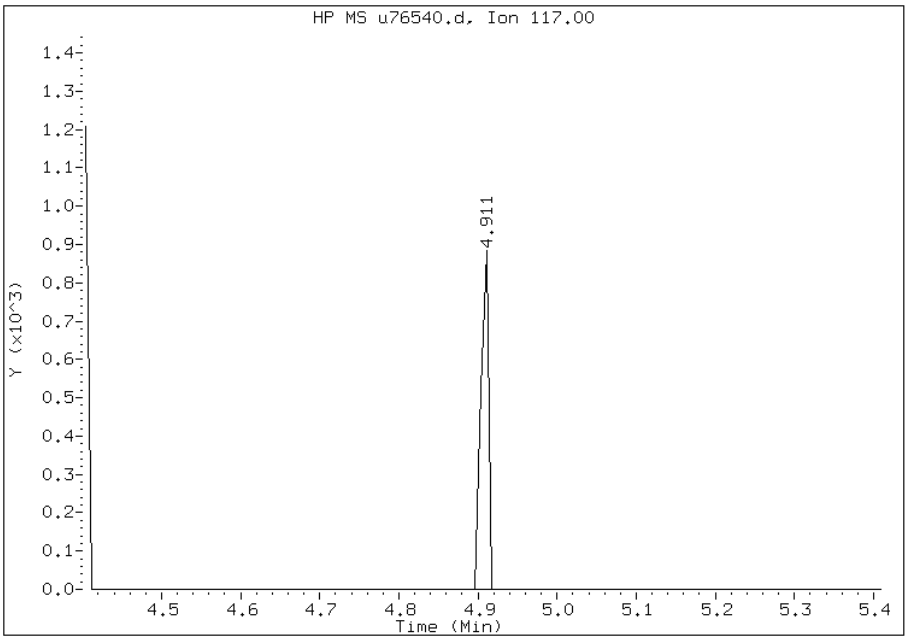
Manual Integration Results

RT: 4.91

Response: 619

Amount: 0

Conc: 0



Manually Integrated By: wahied
Manual Integration Reason:

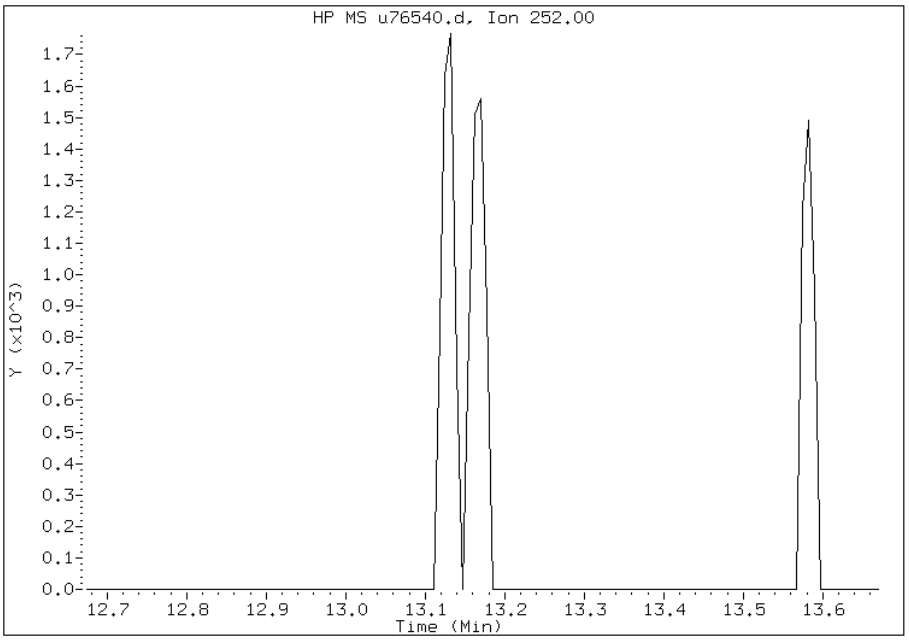
Manual Integration Report

Data File: u76540.d
Inj. Date and Time: 18-MAY-2012 12:55
Instrument ID: BNAMS4.i
Client ID:
Compound: 66 Benzo(k)fluoranthene
CAS #: 207-08-9
Report Date: 05/21/2012

Processing Integration Results

Not Detected

Expected RT: 13.17



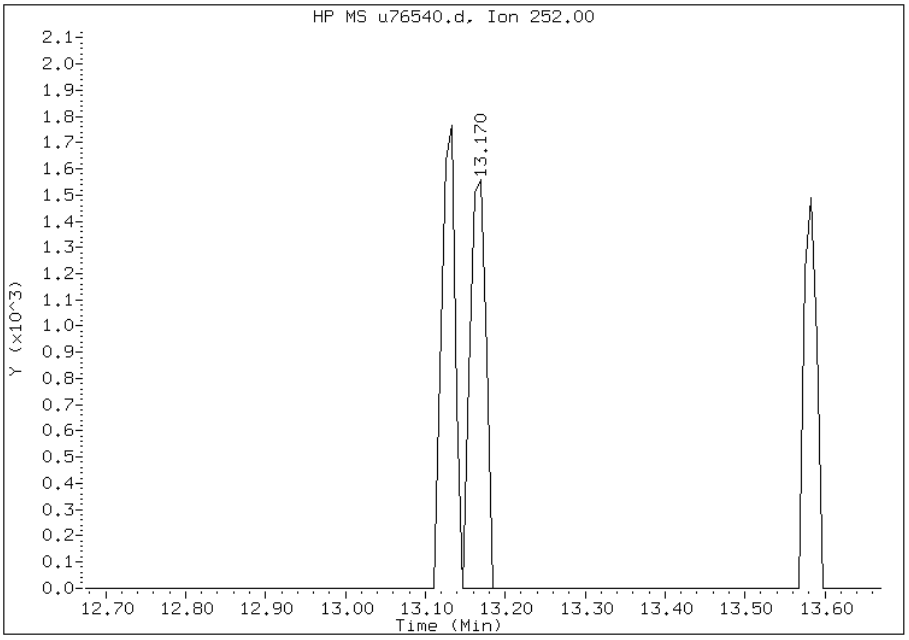
Manual Integration Results

RT: 13.17

Response: 2113

Amount: 0

Conc: 0



Manually Integrated By: wahied
Manual Integration Reason:

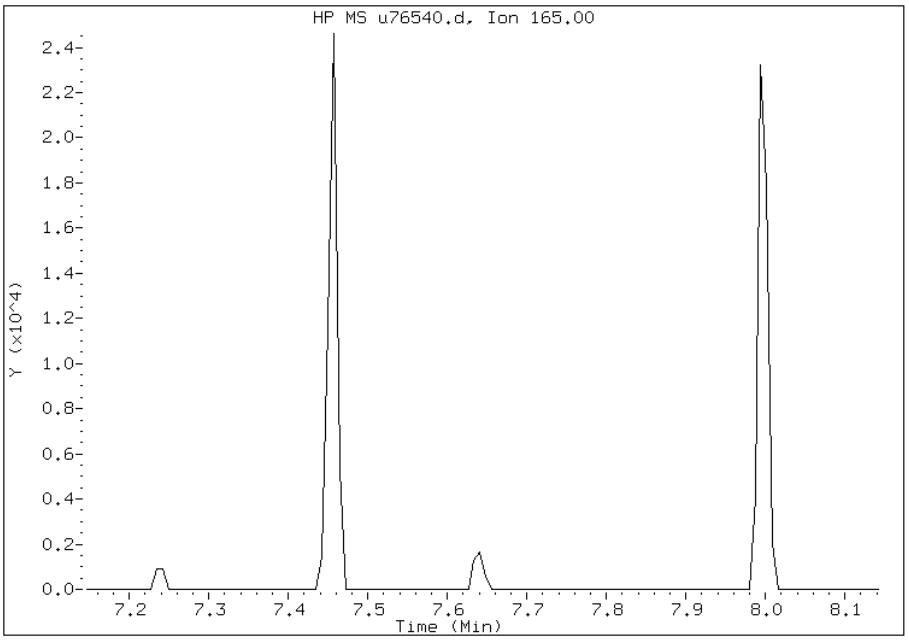
Manual Integration Report

Data File: u76540.d
Inj. Date and Time: 18-MAY-2012 12:55
Instrument ID: BNAMS4.i
Client ID:
Compound: 44 2,4-Dinitrotoluene
CAS #: 121-14-2
Report Date: 05/21/2012

Processing Integration Results

Not Detected

Expected RT: 7.65



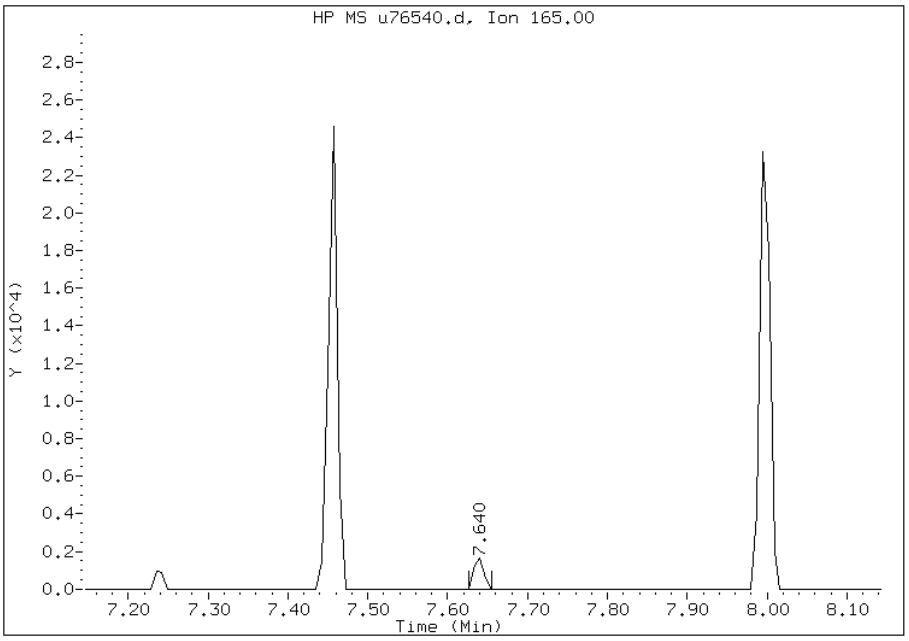
Manual Integration Results

RT: 7.64

Response: 1590

Amount: 1

Conc: 1



Manually Integrated By: wahied
Manual Integration Reason:

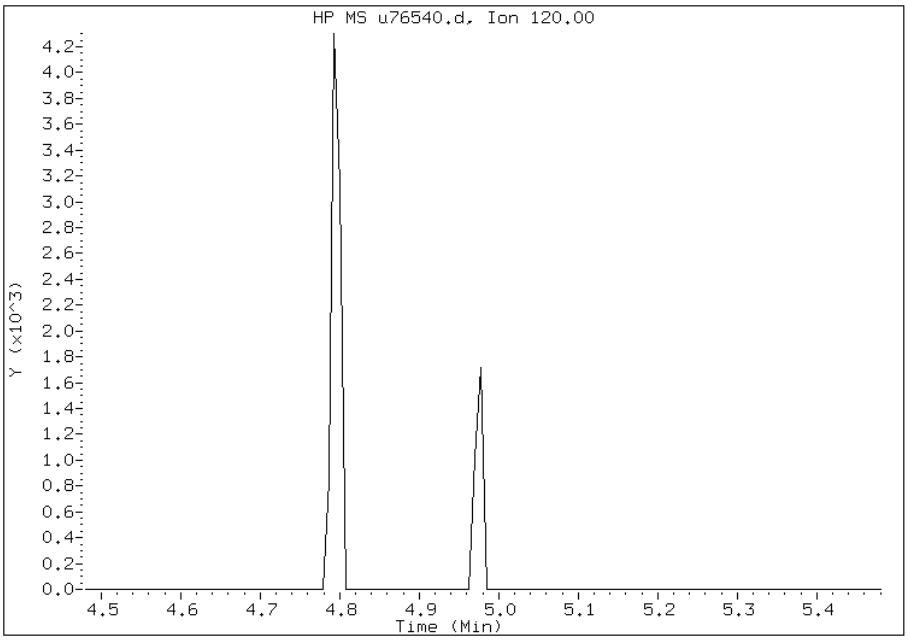
Manual Integration Report

Data File: u76540.d
Inj. Date and Time: 18-MAY-2012 12:55
Instrument ID: BNAMS4.i
Client ID:
Compound: 107 N,N-Dimethylaniline
CAS #: 121-69-7
Report Date: 05/21/2012

Processing Integration Results

Not Detected

Expected RT: 4.98



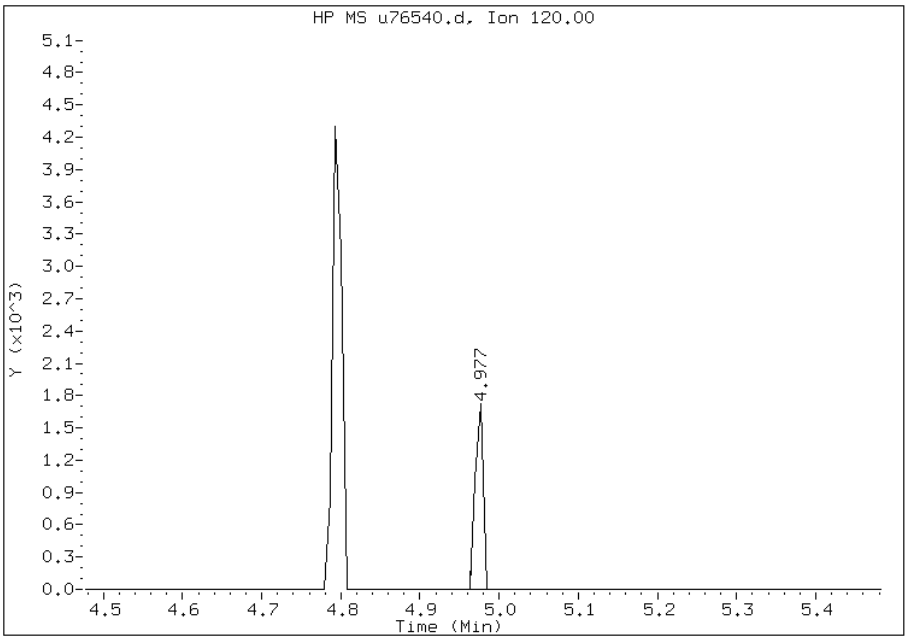
Manual Integration Results

RT: 4.98

Response: 1206

Amount: 0

Conc: 0



Manually Integrated By: wahied
Manual Integration Reason:

Manual Integration Report

Data File: u76540.d
Inj. Date and Time: 18-MAY-2012 12:55
Instrument ID: BNAMS4.i
Client ID:
Compound: 27 Nitrobenzene
CAS #: 98-95-3
Report Date: 05/21/2012

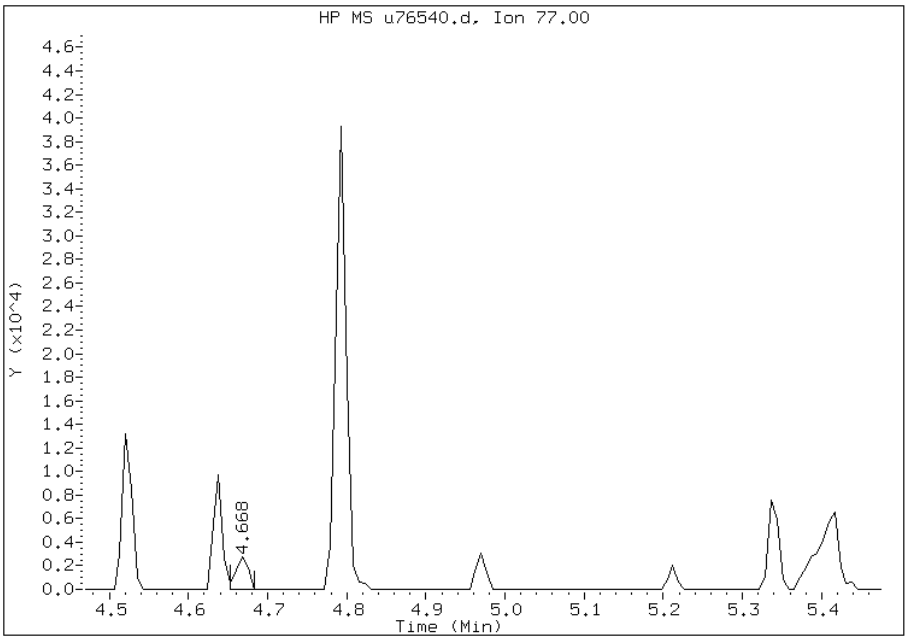
Processing Integration Results

RT: 4.67

Response: 3019

Amount: 0

Conc: 0



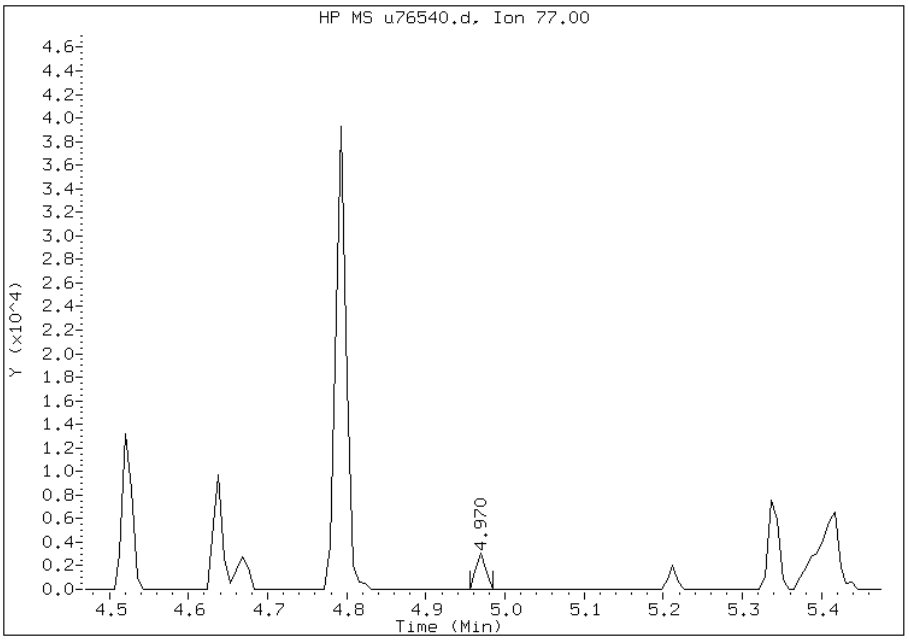
Manual Integration Results

RT: 4.97

Response: 2629

Amount: 0

Conc: 0



Manually Integrated By: wahied
Manual Integration Reason:

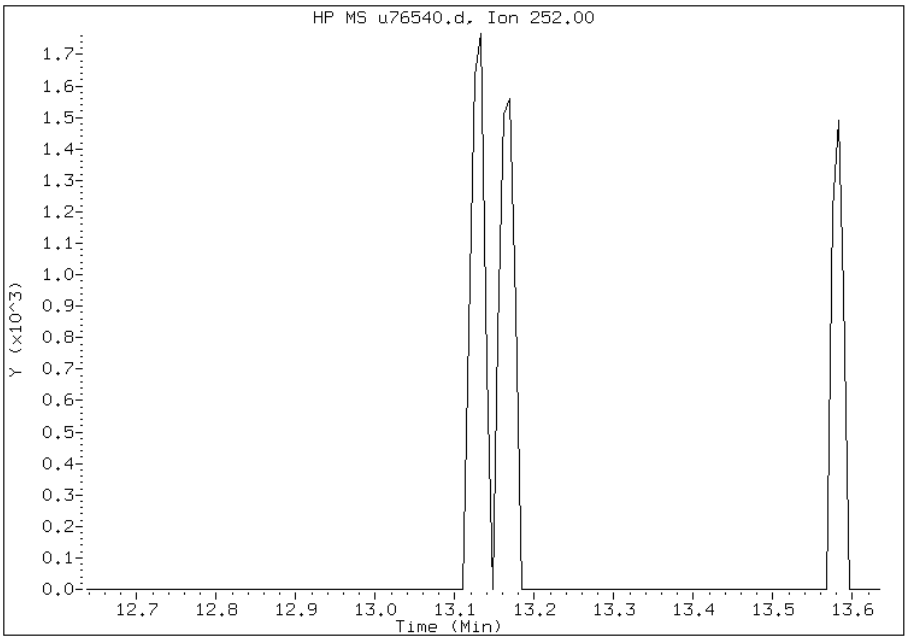
Manual Integration Report

Data File: u76540.d
Inj. Date and Time: 18-MAY-2012 12:55
Instrument ID: BNAMS4.i
Client ID:
Compound: 65 Benzo(b)fluoranthene
CAS #: 205-99-2
Report Date: 05/21/2012

Processing Integration Results

Not Detected

Expected RT: 13.14



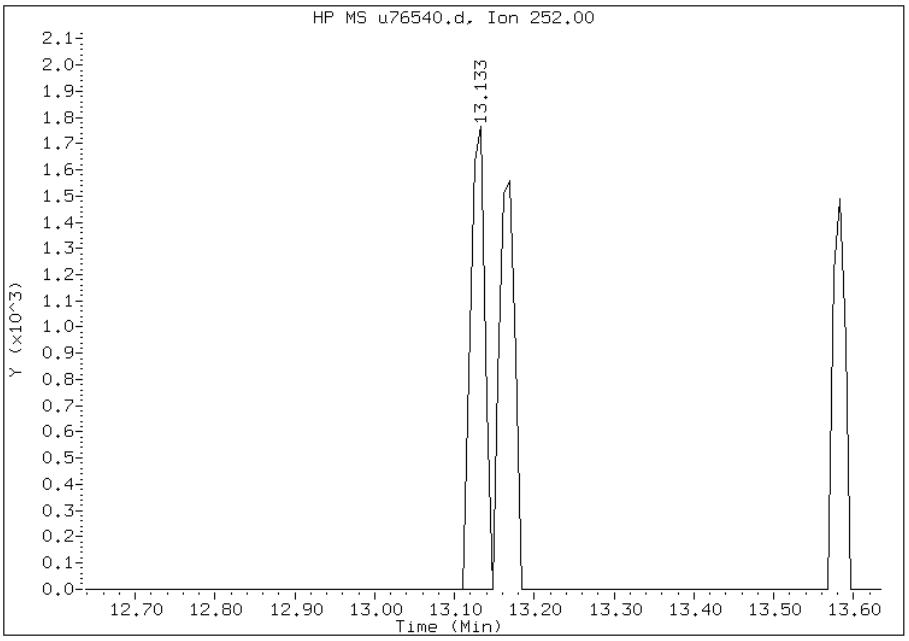
Manual Integration Results

RT: 13.13

Response: 2183

Amount: 0

Conc: 0



Manually Integrated By: wahied
Manual Integration Reason:

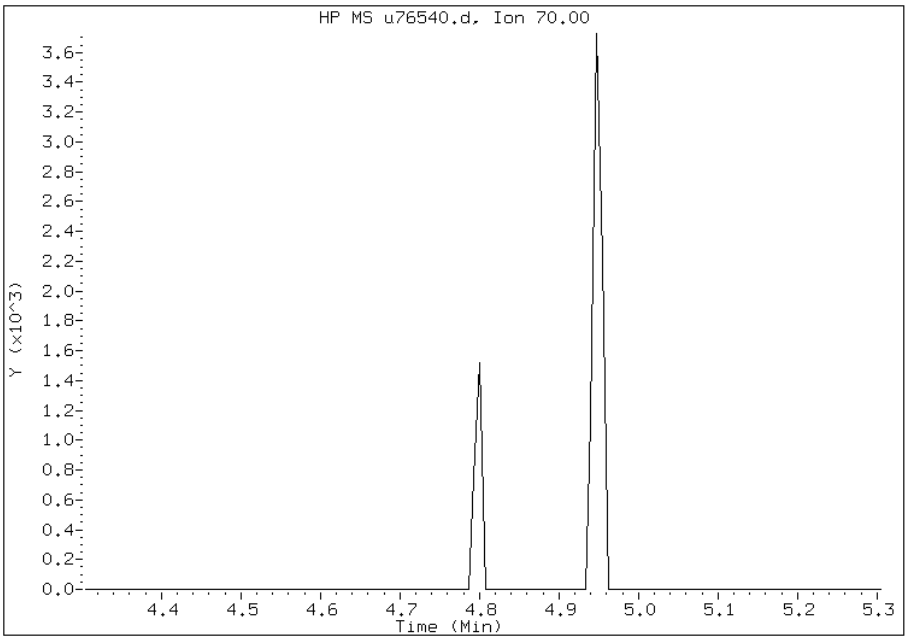
Manual Integration Report

Data File: u76540.d
Inj. Date and Time: 18-MAY-2012 12:55
Instrument ID: BNAMS4.i
Client ID:
Compound: 25 N-Nitroso-di-n-propylamine
CAS #: 621-64-7
Report Date: 05/21/2012

Processing Integration Results

Not Detected

Expected RT: 4.80



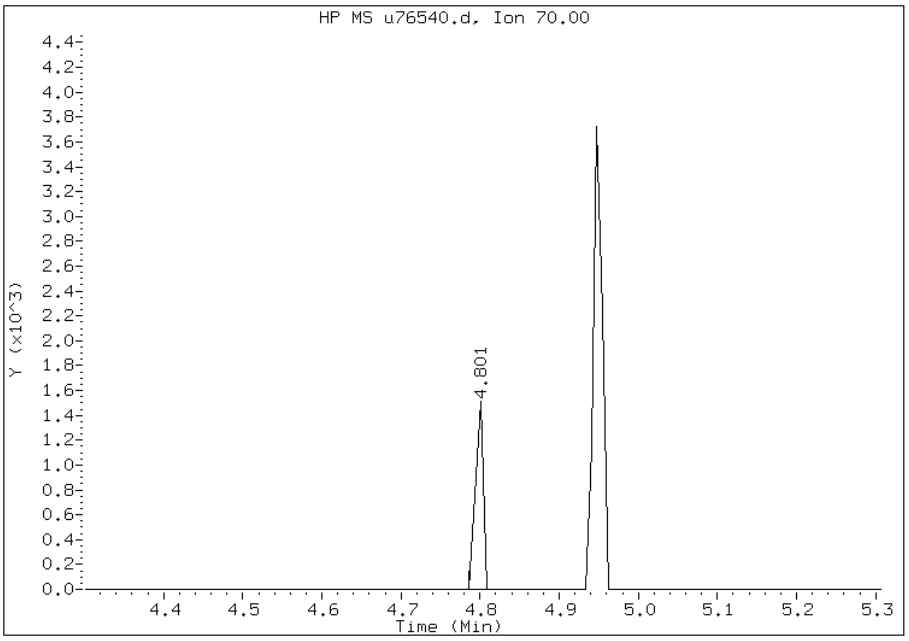
Manual Integration Results

RT: 4.80

Response: 999

Amount: 0

Conc: 0



Manually Integrated By: wahied
Manual Integration Reason:

Data File: /chem/BNAMS4.i/8270T/05-18-12/18may12.b/u76541.d
Report Date: 18-May-2012 13:46

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS4.i/8270T/05-18-12/18may12.b/u76541.d
Lab Smp Id: IC-1519303
Inj Date : 18-MAY-2012 13:18
Operator : BNAMS 4 Inst ID: BNAMS4.i
Smp Info : IC-1519303
Misc Info :
Comment :
Method : /chem/BNAMS4.i/8270T/05-18-12/18may12.b/8270C_11.m
Meth Date : 18-May-2012 13:46 czhao Quant Type: ISTD
Cal Date : 18-MAY-2012 13:18 Cal File: u76541.d
Als bottle: 4 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * Uf*1000*Vt/(Ws*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
	106 1,4-Dioxane	88	1.714	1.714	(0.390)	65816	80.0000	80
	19 N-Nitrosodimethylamine	74	1.957	1.957	(0.445)	142476	80.0000	83
	71 Pyridine	79	1.979	1.979	(0.450)	214498	80.0000	84
$	16 2-Fluorophenol (SUR)	112	3.105	3.105	(0.706)	193762	80.0000	86
	110 Benzaldehyde	77	3.954	3.954	(0.899)	39661	80.0000	36
	73 Aniline	93	4.073	4.073	(0.926)	300878	80.0000	86(A)
$	17 Phenol-d5 (SUR)	99	4.043	4.043	(0.919)	268778	80.0000	85
	1 Phenol	94	4.058	4.058	(0.923)	296575	80.0000	88
	20 bis(2-Chloroethyl)ether	93	4.139	4.139	(0.941)	190098	80.0000	73
	2 2-Chlorophenol	128	4.199	4.199	(0.955)	168181	80.0000	88
	113 n-decane	43	4.243	4.243	(0.965)	262140	80.0000	77
	21 1,3-Dichlorobenzene	146	4.347	4.347	(0.988)	181750	80.0000	80
*	79 1,4-Dichlorobenzene-d4	152	4.398	4.398	(1.000)	60431	40.0000	

Data File: /chem/BNAMS4.i/8270T/05-18-12/18may12.b/u76541.d
Report Date: 18-May-2012 13:46

		QUANT SIG					AMOUNTS CAL-AMT	ON-COL
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/ml)	(ug/ml)
	22 1,4-Dichlorobenzene	146	4.419	4.419	(1.005)	192439	80.0000	79
	74 Benzyl Alcohol	108	4.551	4.551	(1.035)	137511	80.0000	84
	23 1,2-Dichlorobenzene	146	4.573	4.573	(1.040)	177929	80.0000	80
	24 bis (2-chloroisopropyl) ether	45	4.683	4.683	(1.065)	419718	80.0000	81
	3 2-Methylphenol	108	4.668	4.668	(1.061)	186642	80.0000	85
	104 Acetophenone	105	4.821	4.821	(1.096)	346672	80.0000	82
	25 N-Nitroso-di-n-propylamine	70	4.829	4.829	(1.098)	230101	80.0000	87(M)
	4 4-Methylphenol	108	4.829	4.829	(1.098)	242354	80.0000	90
	123 3 & 4 Methylphenol	108	4.829	4.829	(1.098)	242354	80.0000	90
	26 Hexachloroethane	117	4.918	4.918	(1.118)	110722	80.0000	81
$	76 Nitrobenzene-d5 (SUR)	82	4.978	4.978	(0.874)	315114	80.0000	79
	27 Nitrobenzene	77	5.000	5.000	(0.878)	452768	80.0000	80(H)
	107 N,N-Dimethylaniline	120	5.000	5.000	(1.137)	306086	80.0000	89
	28 Isophorone	82	5.243	5.243	(0.921)	508934	80.0000	80
	5 2-Nitrophenol	139	5.309	5.309	(0.933)	96744	80.0000	84
	6 2,4-Dimethylphenol	122	5.361	5.361	(0.942)	150509	80.0000	83
	29 bis(2-Chloroethoxy)methane	93	5.457	5.457	(0.958)	245362	80.0000	81
	7 2,4-Dichlorophenol	162	5.561	5.561	(0.977)	168969	80.0000	86
	15 Benzoic Acid	122	5.561	5.561	(0.977)	93214	80.0000	75(M)
	30 1,2,4-Trichlorobenzene	180	5.642	5.642	(0.991)	181904	80.0000	82
*	80 Naphthalene-d8	136	5.693	5.693	(1.000)	208548	40.0000	
	31 Naphthalene	128	5.716	5.716	(1.004)	461165	80.0000	82
	32 4-Chloroaniline	127	5.775	5.775	(1.014)	183006	80.0000	80
	33 Hexachlorobutadiene	225	5.850	5.850	(1.027)	131671	80.0000	81
	111 Caprolactam	113	6.218	6.218	(1.092)	50045	80.0000	74
	8 4-Chloro-3-methylphenol	107	6.285	6.285	(1.104)	215032	80.0000	81
	34 2-Methylnaphthalene	142	6.417	6.417	(1.127)	304927	80.0000	82
	120 1-Methylnaphthalene	142	6.521	6.521	(1.145)	329607	80.0000	83
	35 Hexachlorocyclopentadiene	237	6.587	6.587	(0.882)	148658	80.0000	81
	129 1,2,4,5-Tetrachlorobenzene	216	6.594	6.594	(0.883)	252009	80.0000	88
	121 2-tert-Butyl-4-methylphenol	149	6.630	6.630	(1.165)	273926	80.0000	84(A)
	9 2,4,6-Trichlorophenol	196	6.711	6.711	(0.899)	145942	80.0000	84
	10 2,4,5-Trichlorophenol	196	6.755	6.755	(0.905)	147976	80.0000	86
$	77 2-Fluorobiphenyl (SUR)	172	6.793	6.793	(0.910)	409114	80.0000	80
	102 Diphenyl	154	6.897	6.897	(0.924)	435159	80.0000	83
	36 2-Chloronaphthalene	162	6.912	6.912	(0.926)	354809	80.0000	83
	103 Diphenyl Ether	170	6.993	6.993	(0.937)	238538	80.0000	80
	37 2-Nitroaniline	65	7.022	7.022	(0.941)	200124	80.0000	73(H)
	125 1,3-Dimethylnaphthalene	156	7.134	7.134	(0.955)	268802	80.0000	83
	38 Dimethylphthalate	163	7.208	7.208	(0.965)	420126	80.0000	81
	114 Coumarin	146	7.231	7.231	(1.270)	114462	80.0000	78
	40 2,6-Dinitrotoluene	165	7.268	7.268	(0.973)	96217	80.0000	86
	39 Acenaphthylene	152	7.327	7.327	(0.981)	494953	80.0000	81
	41 3-Nitroaniline	138	7.437	7.437	(0.996)	81975	80.0000	80
*	82 Acenaphthene-d10	164	7.466	7.466	(1.000)	146609	40.0000	
	42 Acenaphthene	154	7.503	7.503	(1.005)	335945	80.0000	80
	122 2,6-Di-tert-butyl-p-cresol	205	7.488	7.488	(1.003)	333847	80.0000	80

Data File: /chem/BNAMS4.i/8270T/05-18-12/18may12.b/u76541.d
Report Date: 18-May-2012 13:46

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
	11 2,4-Dinitrophenol	184	7.533	7.533	(1.009)	76936	80.0000	83
	12 4-Nitrophenol	65	7.607	7.607	(1.019)	164389	80.0000	78
	43 Dibenzofuran	168	7.674	7.674	(1.028)	517305	80.0000	82
	44 2,4-Dinitrotoluene	165	7.667	7.667	(1.027)	143148	80.0000	82
	130 2,3,4,6-Tetrachlorophenol	232	7.800	7.800	(1.045)	108358	80.0000	82
	45 Diethylphthalate	149	7.911	7.911	(1.059)	405467	80.0000	75
	47 Fluorene	166	8.015	8.015	(1.073)	446999	80.0000	84
	46 4-Chlorophenyl-phenylether	204	8.015	8.015	(1.073)	242425	80.0000	86
	48 4-Nitroaniline	138	8.067	8.067	(1.080)	69027	80.0000	73
	13 4,6-Dinitro-2-methylphenol	198	8.082	8.082	(0.904)	94943	80.0000	85
	49 N-Nitrosodiphenylamine	169	8.140	8.140	(0.911)	293180	80.0000	93
	75 1,2-Diphenylhydrazine	77	8.170	8.170	(0.914)	745169	80.0000	84
$	18 2,4,6-Tribromophenol (SUR)	330	8.258	8.258	(1.106)	77882	80.0000	80
	50 4-Bromophenyl-phenylether	248	8.494	8.494	(0.950)	103271	80.0000	80
	51 Hexachlorobenzene	284	8.566	8.566	(0.958)	137098	80.0000	85
	112 Atrazine	200	8.670	8.670	(0.970)	119070	80.0000	81
	14 Pentachlorophenol	266	8.757	8.757	(0.980)	104240	80.0000	86
	132 Pentachloronitrobenzene	237	8.778	8.778	(0.982)	74697	80.0000	83
	115 n-Octadecane	57	8.836	8.836	(0.988)	405691	80.0000	86
*	83 Phenanthrene-d10	188	8.939	8.939	(1.000)	231938	40.0000	
	52 Phenanthrene	178	8.969	8.969	(1.003)	568304	80.0000	85
	53 Anthracene	178	9.021	9.021	(1.009)	552187	80.0000	83
	54 Carbazole	167	9.175	9.175	(1.026)	488408	80.0000	86
	55 Di-n-butylphthalate	149	9.513	9.513	(1.064)	692732	80.0000	81
	56 Fluoranthene	202	10.141	10.141	(1.134)	579737	80.0000	78
	58 Benzidine	184	10.265	10.265	(1.148)	66006	80.0000	75
	57 Pyrene	202	10.369	10.369	(0.883)	580593	80.0000	82
$	78 Terphenyl-d14	244	10.524	10.524	(0.896)	375726	80.0000	81
	59 Butylbenzylphthalate	149	11.059	11.059	(0.942)	294570	80.0000	83
	124 Carbamazepine	193	11.199	11.199	(0.954)	216157	80.0000	78
	60 3,3'-Dichlorobenzidine	252	11.700	11.700	(0.996)	116414	80.0000	77
	61 Benzo(a)anthracene	228	11.730	11.730	(0.999)	442521	80.0000	77
*	81 Chrysene-d12	240	11.744	11.744	(1.000)	196248	40.0000	
	63 bis(2-Ethylhexyl)phthalate	149	11.759	11.759	(1.001)	415801	80.0000	82
	62 Chrysene	228	11.782	11.782	(1.003)	395226	80.0000	80
	64 Di-n-octylphthalate	149	12.633	12.633	(0.923)	580938	80.0000	87
	65 Benzo(b)fluoranthene	252	13.161	13.161	(0.962)	377956	80.0000	93
	66 Benzo(k)fluoranthene	252	13.206	13.206	(0.965)	308117	80.0000	86(H)
	67 Benzo(a)pyrene	252	13.612	13.612	(0.995)	268673	80.0000	88
*	84 Perylene-d12	264	13.684	13.684	(1.000)	114774	40.0000	
	68 Indeno(1,2,3-cd)pyrene	276	15.251	15.251	(1.115)	258406	80.0000	90(M)
	69 Dibenz(a,h)anthracene	278	15.296	15.296	(1.118)	244562	80.0000	86
	70 Benzo(g,h,i)perylene	276	15.705	15.705	(1.148)	255528	80.0000	83

Data File: /chem/BNAMS4.i/8270T/05-18-12/18may12.b/u76541.d
Report Date: 18-May-2012 13:46

QC Flag Legend

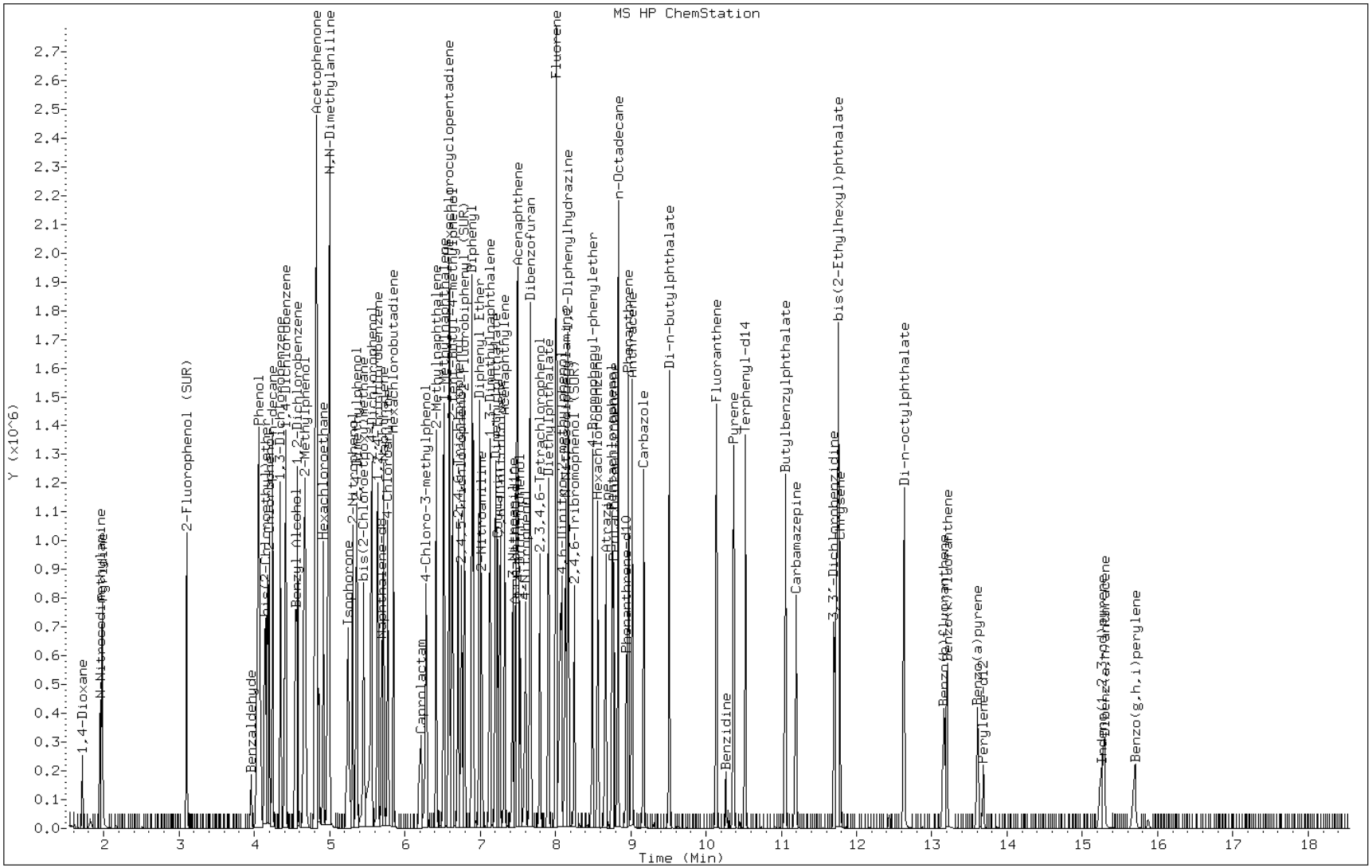
A - Target compound detected but, quantitated amount
    exceeded maximum amount.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: u76541.d

Date: 18-MAY-2012 13:18

Client ID: Instrument: BNAMS4.i

Sample Info: IC-1519303 Operator: BNAMS 4



Manual Integration Report

Data File: u76541.d
Inj. Date and Time: 18-MAY-2012 13:18
Instrument ID: BNAMS4.i
Client ID:
Compound: 68 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 05/21/2012

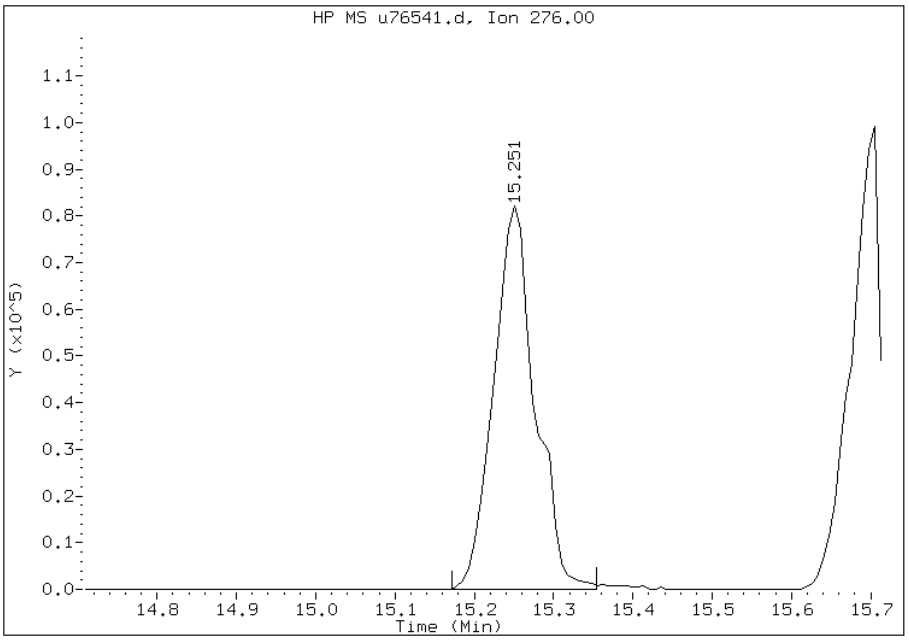
Processing Integration Results

RT: 15.25

Response: 300136

Amount: 100

Conc: 100



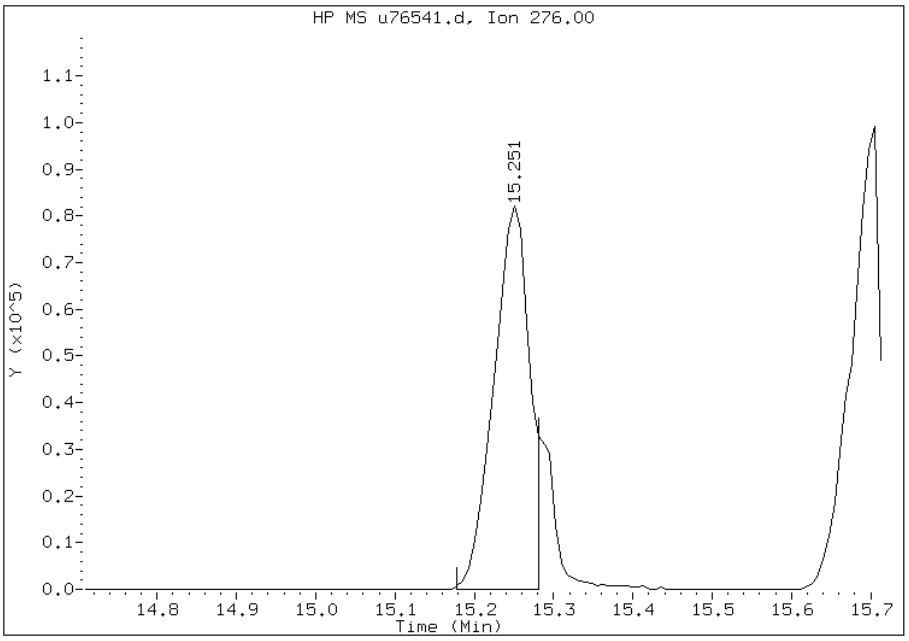
Manual Integration Results

RT: 15.25

Response: 258406

Amount: 90

Conc: 90



Manually Integrated By: wahied
Manual Integration Reason:

Manual Integration Report

Data File: u76541.d
Inj. Date and Time: 18-MAY-2012 13:18
Instrument ID: BNAMS4.i
Client ID:
Compound: 25 N-Nitroso-di-n-propylamine
CAS #: 621-64-7
Report Date: 05/21/2012

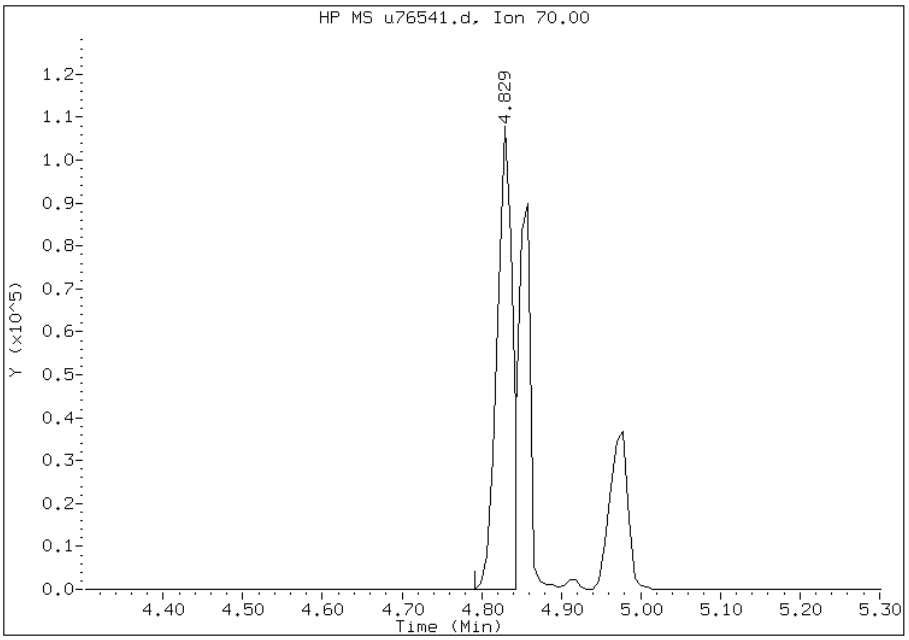
Processing Integration Results

RT: 4.83

Response: 152142

Amount: 63

Conc: 63



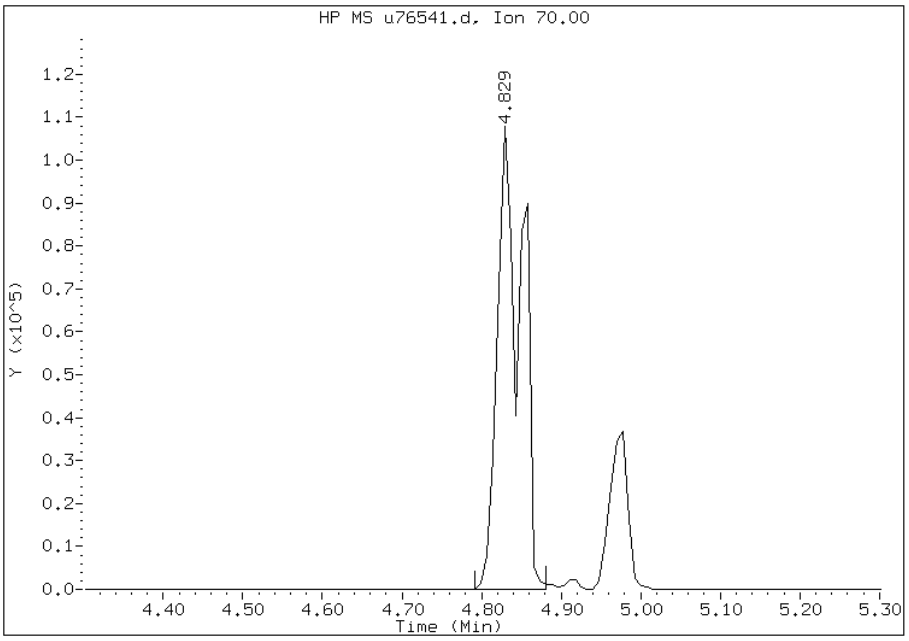
Manual Integration Results

RT: 4.83

Response: 230101

Amount: 87

Conc: 87



Manually Integrated By: wahied
Manual Integration Reason:

Manual Integration Report

Data File: u76541.d
Inj. Date and Time: 18-MAY-2012 13:18
Instrument ID: BNAMS4.i
Client ID:
Compound: 15 Benzoic Acid
CAS #: 65-85-0
Report Date: 05/21/2012

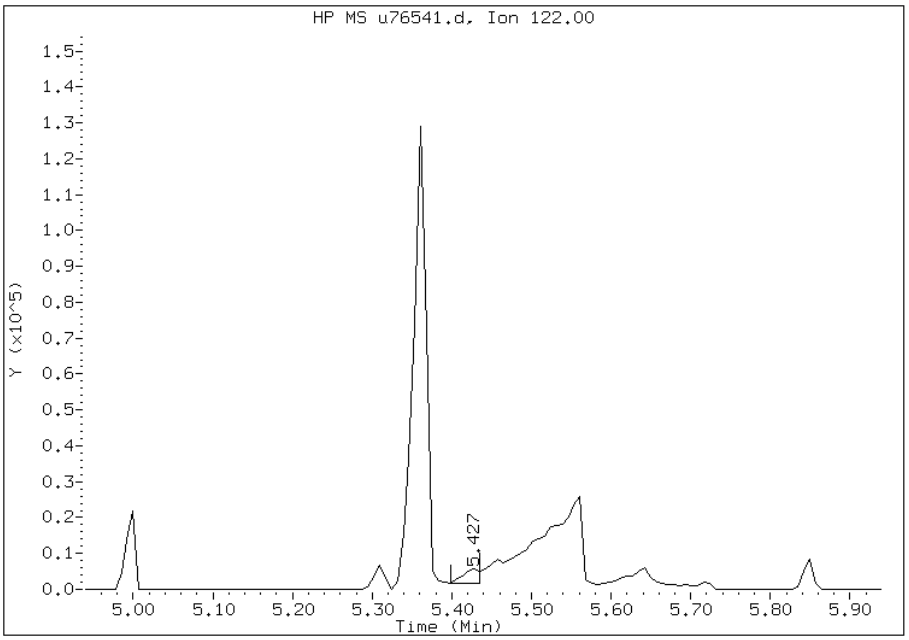
Processing Integration Results

RT: 5.43

Response: 5805

Amount: 6

Conc: 6



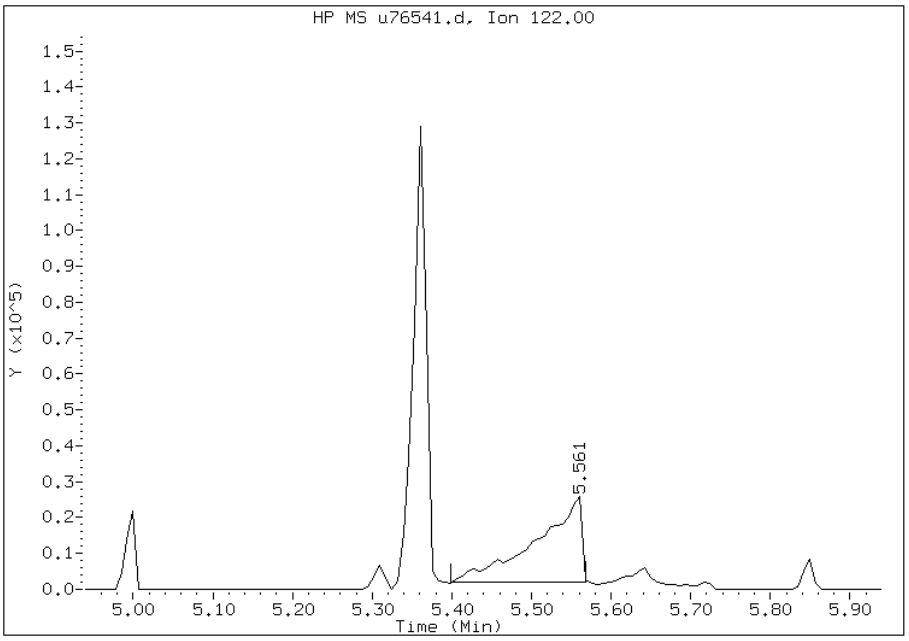
Manual Integration Results

RT: 5.56

Response: 93214

Amount: 75

Conc: 75



Manually Integrated By: wahied
Manual Integration Reason:

Data File: /chem/BNAMS4.i/8270T/05-18-12/18may12.b/u76542.d
Report Date: 18-May-2012 14:07

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS4.i/8270T/05-18-12/18may12.b/u76542.d
Lab Smp Id: IC-1519302
Inj Date : 18-MAY-2012 13:41
Operator : BNAMS 4 Inst ID: BNAMS4.i
Smp Info : IC-1519302
Misc Info :
Comment :
Method : /chem/BNAMS4.i/8270T/05-18-12/18may12.b/8270C_11.m
Meth Date : 18-May-2012 14:07 czhao Quant Type: ISTD
Cal Date : 18-MAY-2012 13:41 Cal File: u76542.d
Als bottle: 5 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * Uf*1000*Vt/(Ws*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
	106 1,4-Dioxane	88	1.684	1.684	(0.383)	14548	20.0000	19
	19 N-Nitrosodimethylamine	74	1.905	1.905	(0.433)	30164	20.0000	19
	71 Pyridine	79	1.942	1.942	(0.442)	43158	20.0000	19
$	16 2-Fluorophenol (SUR)	112	3.080	3.080	(0.700)	39927	20.0000	19
	110 Benzaldehyde	77	3.946	3.946	(0.898)	24397	20.0000	23
	73 Aniline	93	4.057	4.057	(0.923)	61041	20.0000	19
$	17 Phenol-d5 (SUR)	99	4.013	4.013	(0.913)	55335	20.0000	19
	1 Phenol	94	4.027	4.027	(0.916)	55250	20.0000	18
	20 bis(2-Chloroethyl)ether	93	4.124	4.124	(0.938)	45133	20.0000	19
	2 2-Chlorophenol	128	4.183	4.183	(0.951)	32827	20.0000	19
	113 n-decane	43	4.235	4.235	(0.963)	61592	20.0000	20
	21 1,3-Dichlorobenzene	146	4.338	4.338	(0.987)	37228	20.0000	18
*	79 1,4-Dichlorobenzene-d4	152	4.397	4.397	(1.000)	55068	40.0000	

Data File: /chem/BNAMS4.i/8270T/05-18-12/18may12.b/u76542.d
Report Date: 18-May-2012 14:07

		QUANT SIG					AMOUNTS CAL-AMT	AMOUNTS ON-COL
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/ml)	(ug/ml)
	22 1,4-Dichlorobenzene	146	4.412	4.412	(1.003)	37431	20.0000	17
	74 Benzyl Alcohol	108	4.529	4.529	(1.030)	27939	20.0000	19
	23 1,2-Dichlorobenzene	146	4.566	4.566	(1.038)	35904	20.0000	18
	24 bis (2-chloroisopropyl) ether	45	4.668	4.668	(1.062)	91351	20.0000	20
	3 2-Methylphenol	108	4.646	4.646	(1.057)	37082	20.0000	19
	104 Acetophenone	105	4.801	4.801	(1.092)	77230	20.0000	20
	25 N-Nitroso-di-n-propylamine	70	4.809	4.809	(1.094)	49621	20.0000	20
	4 4-Methylphenol	108	4.801	4.801	(1.092)	49087	20.0000	20
	123 3 & 4 Methylphenol	108	4.801	4.801	(1.092)	49087	20.0000	20
	26 Hexachloroethane	117	4.912	4.912	(1.117)	24185	20.0000	20
$	76 Nitrobenzene-d5 (SUR)	82	4.956	4.956	(0.871)	71331	20.0000	19
	27 Nitrobenzene	77	4.978	4.978	(0.875)	106330	20.0000	20
	107 N,N-Dimethylaniline	120	4.978	4.978	(1.132)	57955	20.0000	19
	28 Isophorone	82	5.221	5.221	(0.917)	117626	20.0000	19
	5 2-Nitrophenol	139	5.295	5.295	(0.930)	20387	20.0000	19
	6 2,4-Dimethylphenol	122	5.346	5.346	(0.940)	31126	20.0000	18
	29 bis(2-Chloroethoxy)methane	93	5.443	5.443	(0.956)	54050	20.0000	19
	7 2,4-Dichlorophenol	162	5.544	5.544	(0.974)	35220	20.0000	19
	15 Benzoic Acid	122	5.471	5.471	(0.962)	27217	20.0000	22
	30 1,2,4-Trichlorobenzene	180	5.633	5.633	(0.990)	39956	20.0000	19
*	80 Naphthalene-d8	136	5.690	5.690	(1.000)	201171	40.0000	
	31 Naphthalene	128	5.713	5.713	(1.004)	90136	20.0000	17
	32 4-Chloroaniline	127	5.765	5.765	(1.013)	39517	20.0000	18
	33 Hexachlorobutadiene	225	5.844	5.844	(1.027)	27829	20.0000	18
	111 Caprolactam	113	6.129	6.129	(1.077)	11935	20.0000	19
	8 4-Chloro-3-methylphenol	107	6.261	6.261	(1.100)	50288	20.0000	20
	34 2-Methylnaphthalene	142	6.408	6.408	(1.126)	58718	20.0000	17
	120 1-Methylnaphthalene	142	6.511	6.511	(1.144)	64165	20.0000	17
	35 Hexachlorocyclopentadiene	237	6.578	6.578	(0.882)	31125	20.0000	18
	129 1,2,4,5-Tetrachlorobenzene	216	6.584	6.584	(0.883)	51706	20.0000	19
	121 2-tert-Butyl-4-methylphenol	149	6.614	6.614	(1.162)	57505	20.0000	19
	9 2,4,6-Trichlorophenol	196	6.696	6.696	(0.898)	31836	20.0000	19
	10 2,4,5-Trichlorophenol	196	6.732	6.732	(0.903)	34884	20.0000	21
$	77 2-Fluorobiphenyl (SUR)	172	6.783	6.783	(0.910)	79936	20.0000	17
	102 Diphenyl	154	6.879	6.879	(0.923)	83571	20.0000	17
	36 2-Chloronaphthalene	162	6.901	6.901	(0.926)	71262	20.0000	18
	103 Diphenyl Ether	170	6.990	6.990	(0.937)	49608	20.0000	18
	37 2-Nitroaniline	65	7.005	7.005	(0.939)	60851	20.0000	22
	125 1,3-Dimethylnaphthalene	156	7.122	7.122	(0.955)	55045	20.0000	18
	38 Dimethylphthalate	163	7.187	7.187	(0.964)	100564	20.0000	20
	114 Coumarin	146	7.209	7.209	(1.267)	27829	20.0000	20
	40 2,6-Dinitrotoluene	165	7.246	7.246	(0.972)	21518	20.0000	20
	39 Acenaphthylene	152	7.311	7.311	(0.980)	109332	20.0000	19
	41 3-Nitroaniline	138	7.412	7.412	(0.994)	19398	20.0000	20
*	82 Acenaphthene-d10	164	7.457	7.457	(1.000)	139104	40.0000	
	42 Acenaphthene	154	7.487	7.487	(1.004)	66011	20.0000	17
	122 2,6-Di-tert-butyl-p-cresol	205	7.479	7.479	(1.003)	73843	20.0000	19

Data File: /chem/BNAMS4.i/8270T/05-18-12/18may12.b/u76542.d
Report Date: 18-May-2012 14:07

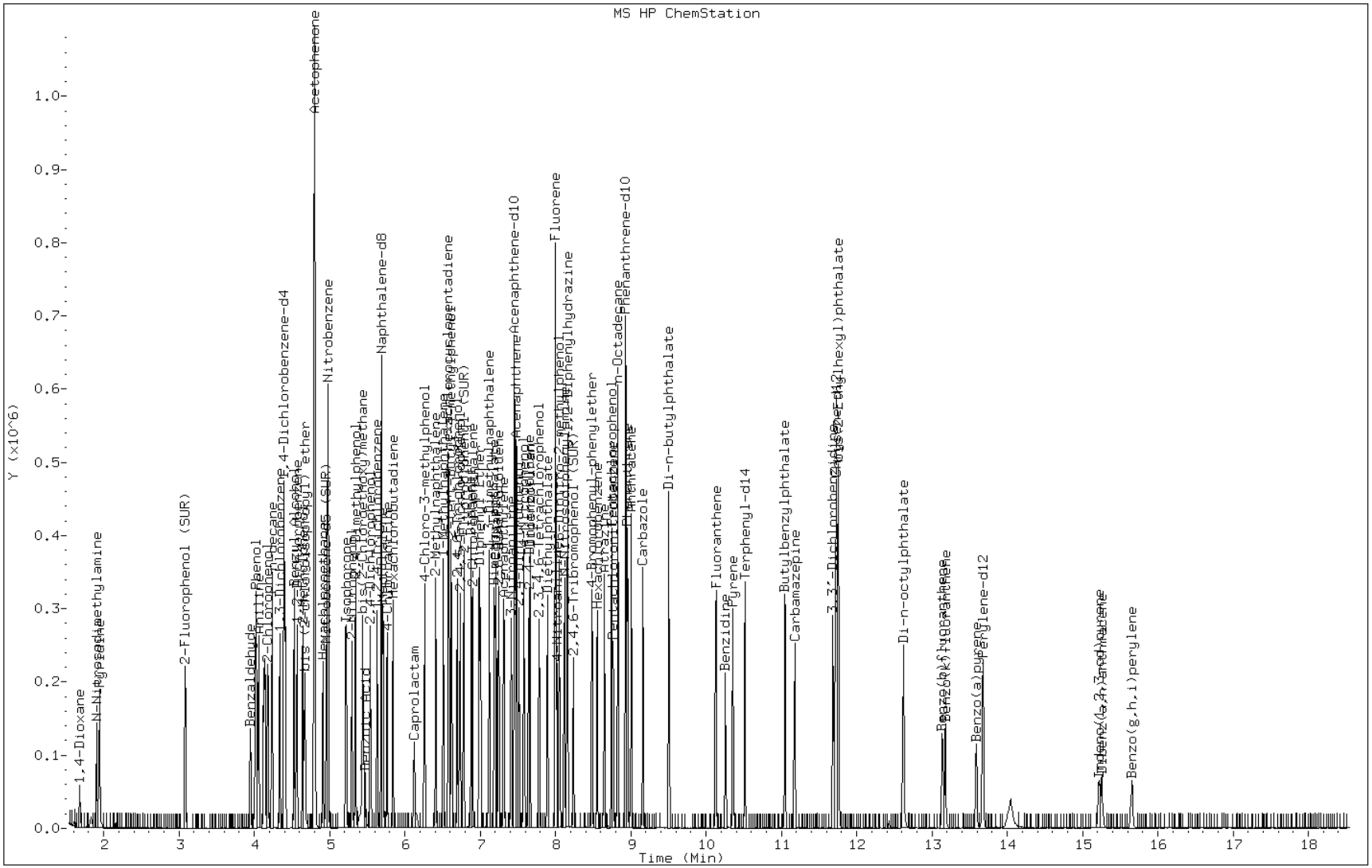
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
	11 2,4-Dinitrophenol	184	7.516	7.516	(1.008)	25091	30.0000	29
	12 4-Nitrophenol	65	7.582	7.582	(1.017)	60349	30.0000	30
	43 Dibenzofuran	168	7.663	7.663	(1.028)	106961	20.0000	18
	44 2,4-Dinitrotoluene	165	7.648	7.648	(1.026)	33050	20.0000	20
	130 2,3,4,6-Tetrachlorophenol	232	7.781	7.781	(1.044)	22308	20.0000	18
	45 Diethylphthalate	149	7.892	7.892	(1.058)	99497	20.0000	20
	47 Fluorene	166	8.003	8.003	(1.073)	90045	20.0000	18
	46 4-Chlorophenyl-phenylether	204	8.003	8.003	(1.073)	49079	20.0000	18
	48 4-Nitroaniline	138	8.025	8.025	(1.076)	21271	20.0000	23
	13 4,6-Dinitro-2-methylphenol	198	8.055	8.055	(0.902)	33334	30.0000	28
	49 N-Nitrosodiphenylamine	169	8.121	8.121	(0.909)	59548	20.0000	18
	75 1,2-Diphenylhydrazine	77	8.158	8.158	(0.913)	178534	20.0000	19
$	18 2,4,6-Tribromophenol (SUR)	330	8.239	8.239	(1.105)	17704	20.0000	19
	50 4-Bromophenyl-phenylether	248	8.482	8.482	(0.950)	23402	20.0000	17
	51 Hexachlorobenzene	284	8.556	8.556	(0.958)	32731	20.0000	19
	112 Atrazine	200	8.651	8.651	(0.969)	27954	20.0000	18
	14 Pentachlorophenol	266	8.747	8.747	(0.979)	36462	30.0000	28
	132 Pentachloronitrobenzene	237	8.762	8.762	(0.981)	17709	20.0000	18
	115 n-Octadecane	57	8.828	8.828	(0.988)	91670	20.0000	18
*	83 Phenanthrene-d10	188	8.932	8.932	(1.000)	254335	40.0000	
	52 Phenanthrene	178	8.954	8.954	(1.002)	131156	20.0000	18
	53 Anthracene	178	9.006	9.006	(1.008)	128545	20.0000	18
	54 Carbazole	167	9.160	9.160	(1.025)	110622	20.0000	18
	55 Di-n-butylphthalate	149	9.507	9.507	(1.064)	163975	20.0000	18
	56 Fluoranthene	202	10.133	10.133	(1.134)	134075	20.0000	17
	58 Benzidine	184	10.258	10.258	(1.149)	61293	30.0000	50
	57 Pyrene	202	10.361	10.361	(0.883)	137606	20.0000	20
$	78 Terphenyl-d14	244	10.517	10.517	(0.896)	86634	20.0000	19
	59 Butylbenzylphthalate	149	11.052	11.052	(0.942)	68293	20.0000	20
	124 Carbamazepine	193	11.177	11.177	(0.952)	56996	20.0000	21
	60 3,3'-Dichlorobenzidine	252	11.684	11.684	(0.996)	53929	30.0000	35
	61 Benzo(a)anthracene	228	11.714	11.714	(0.998)	104075	20.0000	19
*	81 Chrysene-d12	240	11.737	11.737	(1.000)	191121	40.0000	
	63 bis(2-Ethylhexyl)phthalate	149	11.752	11.752	(1.001)	92528	20.0000	19
	62 Chrysene	228	11.766	11.766	(1.003)	93757	20.0000	20
	64 Di-n-octylphthalate	149	12.618	12.618	(0.922)	128699	20.0000	17
	65 Benzo(b)fluoranthene	252	13.144	13.144	(0.961)	82290	20.0000	18
	66 Benzo(k)fluoranthene	252	13.181	13.181	(0.964)	83570	20.0000	20
	67 Benzo(a)pyrene	252	13.591	13.591	(0.994)	68255	20.0000	19
*	84 Perylene-d12	264	13.679	13.679	(1.000)	132195	40.0000	
	68 Indeno(1,2,3-cd)pyrene	276	15.222	15.222	(1.113)	62035	20.0000	19
	69 Dibenz(a,h)anthracene	278	15.258	15.258	(1.115)	59888	20.0000	19
	70 Benzo(g,h,i)perylene	276	15.656	15.656	(1.145)	65308	20.0000	19

Data File: u76542.d

Date: 18-MAY-2012 13:41

Client ID: Instrument: BNAMS4.i

Sample Info: IC-1519302 Operator: BNAMS 4



Data File: /chem/BNAMS4.i/8270T/05-18-12/18may12.b/u76543.d
Report Date: 18-May-2012 14:33

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS4.i/8270T/05-18-12/18may12.b/u76543.d
Lab Smp Id: IC-1519301
Inj Date : 18-MAY-2012 14:04
Operator : BNAMS 4 Inst ID: BNAMS4.i
Smp Info : IC-1519301
Misc Info :
Comment :
Method : /chem/BNAMS4.i/8270T/05-18-12/18may12.b/8270C_11.m
Meth Date : 18-May-2012 14:33 czhao Quant Type: ISTD
Cal Date : 18-MAY-2012 14:04 Cal File: u76543.d
Als bottle: 6 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * Uf*1000*Vt/(Ws*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
	106 1,4-Dioxane	88	1.685	1.685	(0.384)	7996	10.0000	10
	19 N-Nitrosodimethylamine	74	1.906	1.906	(0.434)	15675	10.0000	9.7
	71 Pyridine	79	1.943	1.943	(0.442)	24157	10.0000	10
$	16 2-Fluorophenol (SUR)	112	3.081	3.081	(0.701)	19954	10.0000	9.4
	110 Benzaldehyde	77	3.946	3.946	(0.898)	13421	10.0000	12
	73 Aniline	93	4.056	4.056	(0.923)	32778	10.0000	9.9
$	17 Phenol-d5 (SUR)	99	4.012	4.012	(0.913)	26818	10.0000	9.1
	1 Phenol	94	4.026	4.026	(0.917)	28042	10.0000	9.1
	20 bis(2-Chloroethyl)ether	93	4.122	4.122	(0.938)	22815	10.0000	9.4
	2 2-Chlorophenol	128	4.180	4.180	(0.952)	16757	10.0000	9.4
	113 n-decane	43	4.239	4.239	(0.965)	33704	10.0000	10
	21 1,3-Dichlorobenzene	146	4.333	4.333	(0.986)	19047	10.0000	9.1
*	79 1,4-Dichlorobenzene-d4	152	4.392	4.392	(1.000)	57676	40.0000	

Data File: /chem/BNAMS4.i/8270T/05-18-12/18may12.b/u76543.d
Report Date: 18-May-2012 14:33

		QUANT SIG					AMOUNTS	
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
	22 1,4-Dichlorobenzene	146	4.407	4.407	(1.003)	20728	10.0000	9.3
	74 Benzyl Alcohol	108	4.525	4.525	(1.030)	14173	10.0000	9.4
	23 1,2-Dichlorobenzene	146	4.562	4.562	(1.039)	18876	10.0000	9.2
	24 bis (2-chloroisopropyl) ether	45	4.671	4.671	(1.063)	50555	10.0000	10
	3 2-Methylphenol	108	4.642	4.642	(1.057)	20574	10.0000	9.9
	104 Acetophenone	105	4.797	4.797	(1.092)	40354	10.0000	10
	25 N-Nitroso-di-n-propylamine	70	4.805	4.805	(1.094)	26856	10.0000	10
	4 4-Methylphenol	108	4.797	4.797	(1.092)	24245	10.0000	9.5
	123 3 & 4 Methylphenol	108	4.797	4.797	(1.092)	24245	10.0000	9.5
	26 Hexachloroethane	117	4.907	4.907	(1.117)	12400	10.0000	9.6
$	76 Nitrobenzene-d5 (SUR)	82	4.951	4.951	(0.870)	36350	10.0000	9.4
	27 Nitrobenzene	77	4.973	4.973	(0.874)	53573	10.0000	9.6
	107 N,N-Dimethylaniline	120	4.980	4.980	(1.134)	30613	10.0000	8.9
	28 Isophorone	82	5.214	5.214	(0.917)	62958	10.0000	10
	5 2-Nitrophenol	139	5.296	5.296	(0.931)	10692	10.0000	9.6
	6 2,4-Dimethylphenol	122	5.339	5.339	(0.939)	16474	10.0000	9.5
	29 bis(2-Chloroethoxy)methane	93	5.442	5.442	(0.957)	27831	10.0000	9.5
	7 2,4-Dichlorophenol	162	5.536	5.536	(0.973)	17872	10.0000	9.4
	15 Benzoic Acid	122	5.442	5.442	(0.957)	13718	10.0000	11
	30 1,2,4-Trichlorobenzene	180	5.631	5.631	(0.990)	20376	10.0000	9.9
*	80 Naphthalene-d8	136	5.689	5.689	(1.000)	206652	40.0000	
	31 Naphthalene	128	5.710	5.710	(1.004)	48563	10.0000	9.6
	32 4-Chloroaniline	127	5.762	5.762	(1.013)	20249	10.0000	9.3(M)
	33 Hexachlorobutadiene	225	5.842	5.842	(1.027)	14881	10.0000	9.3
	111 Caprolactam	113	6.107	6.107	(1.074)	6746	10.0000	10
	8 4-Chloro-3-methylphenol	107	6.254	6.254	(1.099)	26389	10.0000	10
	34 2-Methylnaphthalene	142	6.408	6.408	(1.126)	31590	10.0000	9.4
	120 1-Methylnaphthalene	142	6.504	6.504	(1.143)	31658	10.0000	8.5(a)
	35 Hexachlorocyclopentadiene	237	6.578	6.578	(0.882)	14006	10.0000	8.5
	129 1,2,4,5-Tetrachlorobenzene	216	6.578	6.578	(0.882)	23370	10.0000	8.3
	121 2-tert-Butyl-4-methylphenol	149	6.615	6.615	(1.163)	29665	10.0000	9.5
	9 2,4,6-Trichlorophenol	196	6.696	6.696	(0.897)	15503	10.0000	9.0
	10 2,4,5-Trichlorophenol	196	6.726	6.726	(0.901)	16947	10.0000	9.6
$	77 2-Fluorobiphenyl (SUR)	172	6.777	6.777	(0.908)	41957	10.0000	9.4
	102 Diphenyl	154	6.880	6.880	(0.922)	45279	10.0000	9.6
	36 2-Chloronaphthalene	162	6.895	6.895	(0.924)	36706	10.0000	8.8
	103 Diphenyl Ether	170	6.984	6.984	(0.936)	26957	10.0000	9.2
	37 2-Nitroaniline	65	6.998	6.998	(0.938)	33259	10.0000	11
	125 1,3-Dimethylnaphthalene	156	7.116	7.116	(0.954)	27078	10.0000	8.6
	38 Dimethylphthalate	163	7.188	7.188	(0.963)	51036	10.0000	9.6
	114 Coumarin	146	7.203	7.203	(1.266)	13683	10.0000	9.5
	40 2,6-Dinitrotoluene	165	7.240	7.240	(0.970)	10653	10.0000	9.4
	39 Acenaphthylene	152	7.313	7.313	(0.980)	54766	10.0000	9.1
	41 3-Nitroaniline	138	7.410	7.410	(0.993)	10662	10.0000	10
*	82 Acenaphthene-d10	164	7.462	7.462	(1.000)	149837	40.0000	
	42 Acenaphthene	154	7.484	7.484	(1.003)	33153	10.0000	8.3
	122 2,6-Di-tert-butyl-p-cresol	205	7.477	7.477	(1.002)	37442	10.0000	9.1

Data File: /chem/BNAMS4.i/8270T/05-18-12/18may12.b/u76543.d
Report Date: 18-May-2012 14:33

		QUANT SIG					AMOUNTS	
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
	11 2,4-Dinitrophenol	184	7.514	7.514	(1.007)	16018	20.0000	18
	12 4-Nitrophenol	65	7.572	7.572	(1.015)	43613	20.0000	20
	43 Dibenzofuran	168	7.659	7.659	(1.026)	57465	10.0000	9.2
	44 2,4-Dinitrotoluene	165	7.645	7.645	(1.025)	16043	10.0000	9.1
	130 2,3,4,6-Tetrachlorophenol	232	7.784	7.784	(1.043)	11905	10.0000	9.1
	45 Diethylphthalate	149	7.888	7.888	(1.057)	52441	10.0000	9.7
	47 Fluorene	166	7.998	7.998	(1.072)	43536	10.0000	8.3
	46 4-Chlorophenyl-phenylether	204	7.998	7.998	(1.072)	25380	10.0000	9.1
	48 4-Nitroaniline	138	8.019	8.019	(1.075)	10975	10.0000	11
	13 4,6-Dinitro-2-methylphenol	198	8.048	8.048	(0.901)	22241	20.0000	18
	49 N-Nitrosodiphenylamine	169	8.115	8.115	(0.908)	29541	10.0000	7.7
	75 1,2-Diphenylhydrazine	77	8.152	8.152	(0.912)	98632	10.0000	10
$	18 2,4,6-Tribromophenol (SUR)	330	8.240	8.240	(1.104)	8877	10.0000	9.1
	50 4-Bromophenyl-phenylether	248	8.482	8.482	(0.949)	12011	10.0000	8.6
	51 Hexachlorobenzene	284	8.555	8.555	(0.958)	16230	10.0000	8.8
	112 Atrazine	200	8.643	8.643	(0.967)	15475	10.0000	9.3
	14 Pentachlorophenol	266	8.745	8.745	(0.979)	25271	20.0000	18
	132 Pentachloronitrobenzene	237	8.759	8.759	(0.980)	9214	10.0000	9.1
	115 n-Octadecane	57	8.826	8.826	(0.988)	45752	10.0000	8.6
*	83 Phenanthrene-d10	188	8.935	8.935	(1.000)	272737	40.0000	
	52 Phenanthrene	178	8.957	8.957	(1.002)	62999	10.0000	8.4
	53 Anthracene	178	9.001	9.001	(1.007)	63081	10.0000	8.5
	54 Carbazole	167	9.156	9.156	(1.025)	59866	10.0000	9.3
	55 Di-n-butylphthalate	149	9.503	9.503	(1.064)	85451	10.0000	8.9
	56 Fluoranthene	202	10.126	10.126	(1.133)	73456	10.0000	8.9
	58 Benzidine	184	10.260	10.260	(1.148)	50190	20.0000	32
	57 Pyrene	202	10.355	10.355	(0.883)	72268	10.0000	9.3
$	78 Terphenyl-d14	244	10.517	10.517	(0.896)	44877	10.0000	9.0
	59 Butylbenzylphthalate	149	11.043	11.043	(0.941)	36683	10.0000	9.5
	124 Carbamazepine	193	11.174	11.174	(0.952)	30325	10.0000	9.8
	60 3,3'-Dichlorobenzidine	252	11.683	11.683	(0.996)	41513	20.0000	23
	61 Benzo(a)anthracene	228	11.711	11.711	(0.998)	57936	10.0000	9.4
*	81 Chrysene-d12	240	11.734	11.734	(1.000)	216503	40.0000	
	63 bis(2-Ethylhexyl)phthalate	149	11.749	11.749	(1.001)	49204	10.0000	9.0
	62 Chrysene	228	11.756	11.756	(1.002)	53481	10.0000	9.9
	64 Di-n-octylphthalate	149	12.621	12.621	(0.923)	76602	10.0000	9.1
	65 Benzo(b)fluoranthene	252	13.136	13.136	(0.960)	44864	10.0000	8.8
	66 Benzo(k)fluoranthene	252	13.173	13.173	(0.963)	50428	10.0000	9.9
	67 Benzo(a)pyrene	252	13.582	13.582	(0.993)	39231	10.0000	9.8
*	84 Perylene-d12	264	13.677	13.677	(1.000)	153393	40.0000	
	68 Indeno(1,2,3-cd)pyrene	276	15.212	15.212	(1.112)	34386	10.0000	9.2
	69 Dibenz(a,h)anthracene	278	15.249	15.249	(1.115)	35057	10.0000	9.9
	70 Benzo(g,h,i)perylene	276	15.646	15.646	(1.144)	36320	10.0000	9.2

Data File: /chem/BNAMS4.i/8270T/05-18-12/18may12.b/u76543.d
Report Date: 18-May-2012 14:33

QC Flag Legend

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

Data File: u76543.d

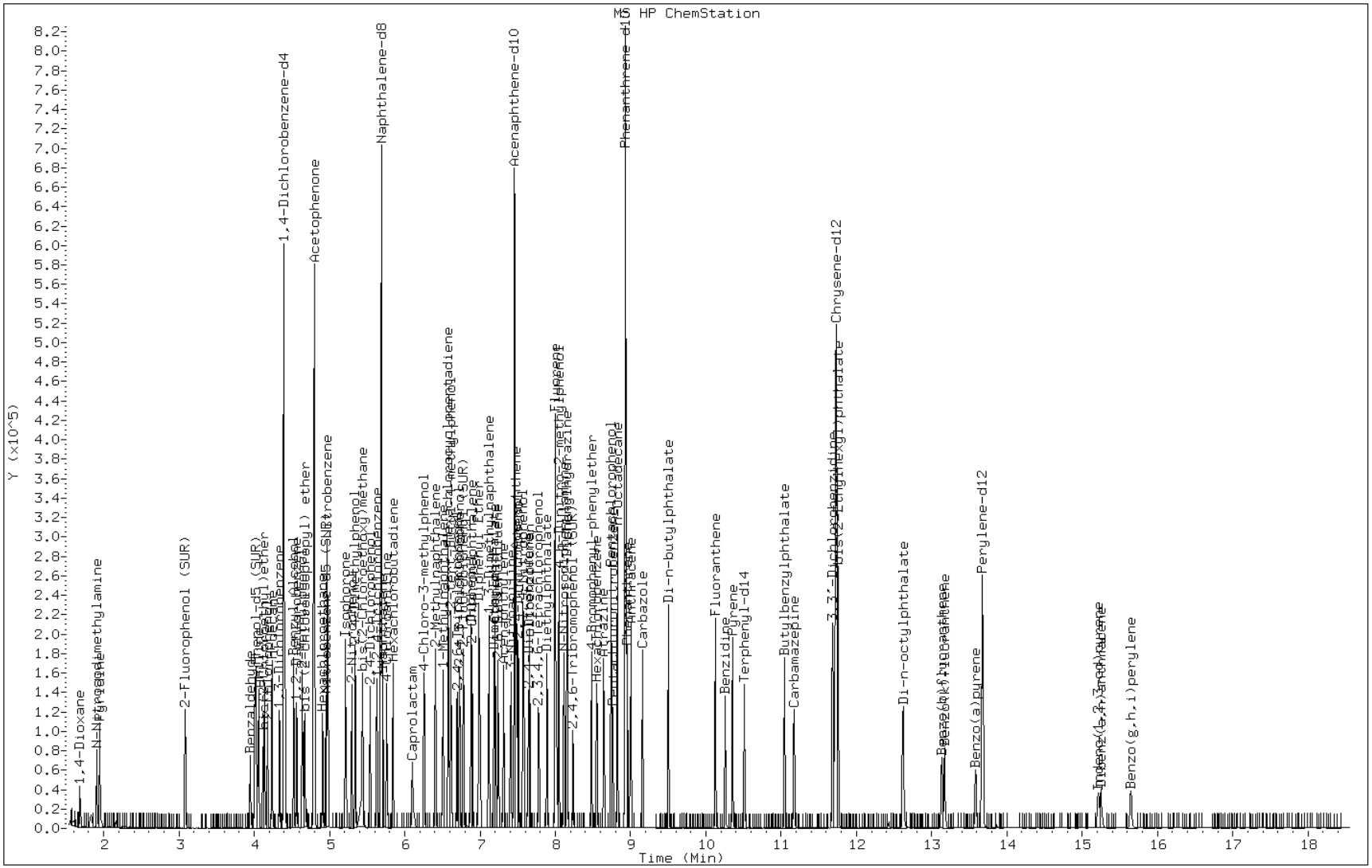
Date: 18-MAY-2012 14:04

Client ID:

Instrument: BNAMS4.i

Sample Info: IC-1519301

Operator: BNAMS 4



Manual Integration Report

Data File: u76543.d
Inj. Date and Time: 18-MAY-2012 14:04
Instrument ID: BNAMS4.i
Client ID:
Compound: 32 4-Chloroaniline
CAS #: 106-47-8
Report Date: 05/21/2012

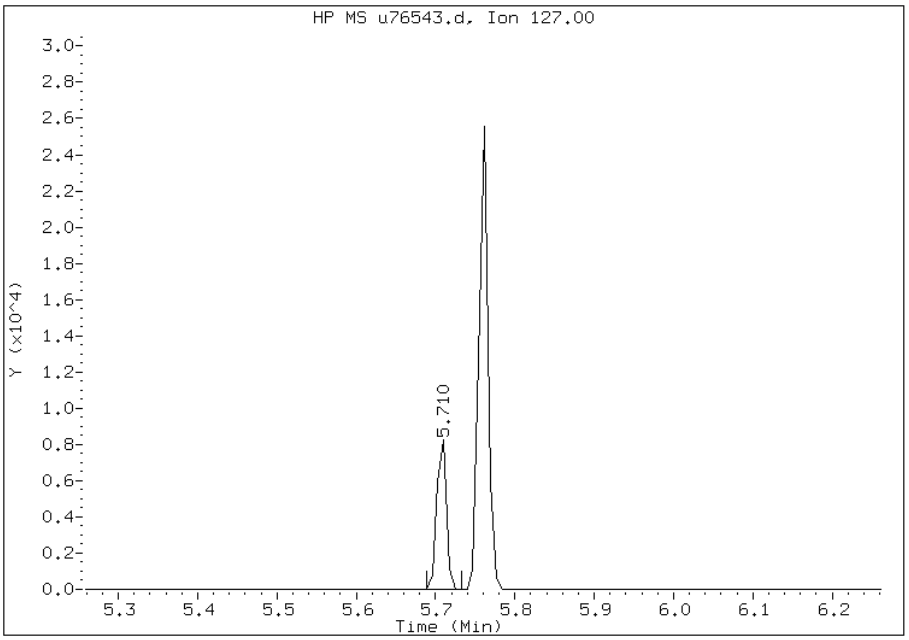
Processing Integration Results

RT: 5.71

Response: 7013

Amount: 4

Conc: 4



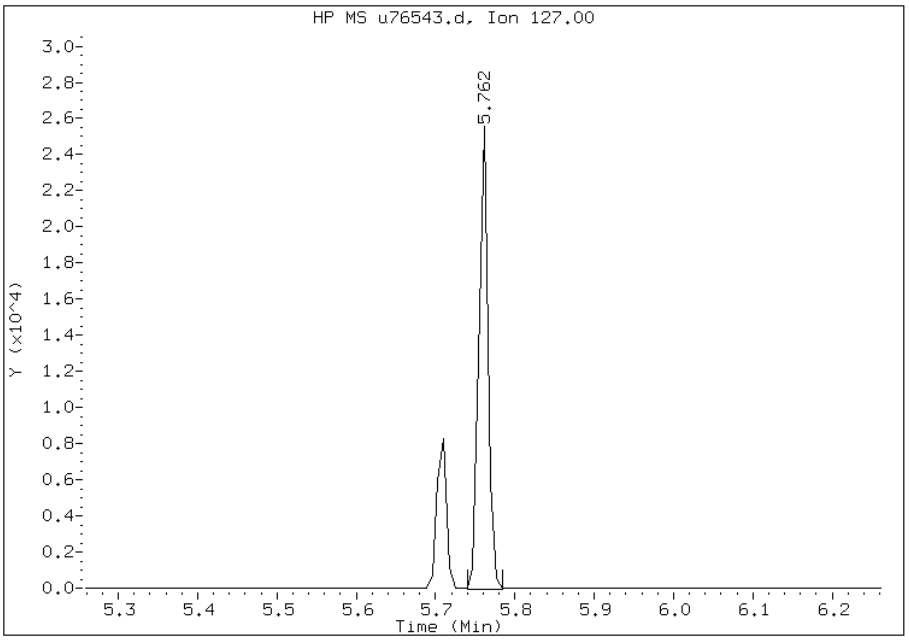
Manual Integration Results

RT: 5.76

Response: 20249

Amount: 9

Conc: 9



Manually Integrated By: wahied
Manual Integration Reason:

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

Lab Name: TestAmerica Edison Job No.: 460-40258-1 Analy Batch No.: 113782

SDG No.:

Instrument ID: BNAMS4 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/24/2012 04:04 Calibration End Date: 05/24/2012 06:18 Calibration ID: 15689

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-113782/7	u76728.d
Level 2	IC 460-113782/6	u76727.d
Level 3	IC 460-113782/5	u76726.d
Level 4	ICIS 460-113782/2	u76723.d
Level 5	IC 460-113782/4	u76725.d
Level 6	IC 460-113782/3	u76724.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
1-Naphthylamine	0 0	0	0	0	0	Ave								30.0			
2,3,7,8-TCDD (Screen)	+++++ +++++	+++++	+++++	0	+++++	Ave								15.0			
2-Naphthylamine	0 0	0	0	0	0	Ave								15.0			
o-Toluidine	0 0	0	0	0	0	Ave								15.0			
1,4-Dioxane	0.4764 0.5233	0.4997	0.5813	0.5363	0.5505	Ave		0.5279				7.0		15.0			
N-Nitrosodimethylamine	1.0285 1.2147	1.0950	1.1706	1.1548	1.2425	Ave		1.1510				6.8		15.0			
Pyridine	1.4853 1.8377	1.6603	1.7910	1.8071	1.9262	Ave		1.7513				8.9		15.0			
Benzaldehyde	1.4488 +++++	0.9575	0.9944	0.8819	0.3560	Ave		0.9277				41.9	*	15.0			
Phenol	1.8694 2.8020	2.0193	2.2157	2.6586	2.6269	QuaF		0.4139	-0.007						0.9992		0.9900
Aniline	2.1315 2.8838	2.2654	2.4762	2.6671	2.8435	Ave		2.5446				12.1		15.0			
Bis(2-chloroethyl)ether	1.3606 2.0904	1.6124	1.6137	1.7263	1.6762	Ave		1.6799				14.1		15.0			
2-Chlorophenol	1.1069 1.4519	1.2067	1.3058	1.3957	1.4471	Ave		1.3190				10.6		15.0			
Decane	2.5147 2.5183	2.3604	2.5926	2.6347	2.5159	Ave		2.5228				3.7		15.0			
1,3-Dichlorobenzene	1.2366 1.7267	1.3166	1.4199	1.4948	1.5687	Ave		1.4605				12.1		15.0			
1,4-Dichlorobenzene	1.2255 1.8338	1.3664	1.4547	1.5823	1.6269	Ave		1.5149				14.1		30.0			

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 Edison Job No.: 460-40258-1 Analy Batch No.: 113782

SDG No.:

Instrument ID: BNAMS4 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/24/2012 04:04 Calibration End Date: 05/24/2012 06:18 Calibration ID: 15689

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Benzyl alcohol	0.8029 1.3456	1.0231	1.0315	1.1992	1.2058	QuaF		0.9340	-0.047						0.9994		0.9900
1,2-Dichlorobenzene	1.1670 1.8493	1.2262	1.3971	1.4795	1.5541	QuaF		0.7602	-0.039						0.9998		0.9900
2-Methylphenol	1.2495 1.8219	1.4193	1.5391	1.6595	1.7601	Ave		1.5749				13.7		15.0			
2,2'-oxybis[1-chloropropane]	3.3220 4.2560	3.6262	3.8187	4.1504	3.9562	Ave		3.8549				9.0		15.0			
Acetophenone	2.3735 3.3672	2.8365	3.0471	3.2473	3.2433	Ave		3.0191				12.2		15.0			
3 & 4 Methylphenol	1.4301 1.9636	1.6992	1.8295	1.9250	2.0244	Ave		1.8120				12.1		15.0			
4-Methylphenol	1.4301 1.9636	1.6992	1.8295	1.9250	2.0244	Ave		1.8120				12.1		15.0			
N-Nitrosodi-n-propylamine	1.8846 2.2775	2.0889	2.2552	2.3570	2.3097	Ave		2.1955			0.0500	8.1		15.0			
Hexachloroethane	0.8261 1.0730	0.8919	0.9609	1.0188	0.9950	Ave		0.9609				9.3		15.0			
Nitrobenzene	1.1404 1.2562	1.1235	1.1350	1.1919	1.1866	Ave		1.1723				4.3		15.0			
n,n'-Dimethylaniline	1.3966 2.9280	2.1087	2.4649	2.6887	2.7131	QuaF		0.4050	-0.007						0.9997		0.9900
Isophorone	1.1792 1.3715	1.2402	1.2102	1.3204	1.2748	Ave		1.2661				5.6		15.0			
2-Nitrophenol	0.1641 0.2235	0.2072	0.2183	0.2203	0.2208	Ave		0.2090				10.9		30.0			
2,4-Dimethylphenol	0.3123 0.3773	0.3202	0.3295	0.3610	0.3758	Ave		0.3460				8.3		15.0			
Bis(2-chloroethoxy)methane	0.5525 0.6376	0.5681	0.5482	0.5952	0.6020	Ave		0.5839				5.9		15.0			
Benzoic acid	0.1998 0.2035	0.2653	0.2403	0.2340	0.1930	Ave		0.2227				12.7		15.0			
2,4-Dichlorophenol	0.2954 0.4198	0.3193	0.3417	0.3811	0.3955	Ave		0.3588				13.3		30.0			
1,2,4-Trichlorobenzene	0.4143 0.4914	0.3808	0.3858	0.4410	0.4448	Ave		0.4263				9.8		15.0			
Naphthalene	0.9380 1.2798	0.9861	0.9439	1.0735	1.0879	Ave		1.0515				12.2		15.0			
4-Chloroaniline	0.3737 0.4997	0.4137	0.3963	0.4739	0.4517	Ave		0.4348				11.1		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 Edison Job No.: 460-40258-1 Analy Batch No.: 113782

SDG No.:

Instrument ID: BNAMS4 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/24/2012 04:04 Calibration End Date: 05/24/2012 06:18 Calibration ID: 15689

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Hexachlorobutadiene	0.3467 0.3672	0.2901	0.2899	0.3193	0.3340	Ave		0.3245				9.6		30.0			
Caprolactam	0.1193 0.1297	0.1451	0.1235	0.1519	0.1268	Ave		0.1327				9.7		15.0			
4-Chloro-3-methylphenol	0.4904 0.5264	0.5542	0.5357	0.5817	0.5488	Ave		0.5395				5.7		30.0			
2-Methylnaphthalene	0.5697 0.7900	0.6058	0.6134	0.7127	0.7476	Ave		0.6732				13.2		15.0			
1-Methylnaphthalene	0.5922 0.9520	0.6540	0.6334	0.7164	0.7273	QuaF		1.6409	-0.206						0.9992		0.9900
Hexachlorocyclopentadiene	0.3994 0.5641	0.3300	0.4042	0.4374	0.5579	QuaF		2.2633	-0.307		0.0500				0.9948		0.9900
1,2,4,5-Tetrachlorobenzene	0.6546 0.8672	0.5690	0.6965	0.7168	0.8635	QuaF		1.3899	-0.097						0.9968		0.9900
2-tertbutyl-4-methylphenol	0.5734 0.7520	0.5814	0.6058	0.6688	0.6464	Ave		0.6380				10.5		15.0			
2,4,6-Trichlorophenol	0.3995 0.5012	0.3854	0.4180	0.4551	0.5072	Ave		0.4444				11.7		30.0			
2,4,5-Trichlorophenol	0.4428 0.5210	0.4261	0.4787	0.4720	0.5203	Ave		0.4768				8.2		15.0			
Diphenyl	1.1471 1.7637	1.0572	1.1680	1.2644	1.5969	QuaF		0.8081	-0.047						0.9970		0.9900
2-Chloronaphthalene	0.9970 1.4236	0.9238	0.9826	1.0323	1.2206	QuaF		1.0289	-0.077						0.9992		0.9900
Diphenyl ether	0.7205 0.9817	0.6756	0.6942	0.7376	0.8282	Ave		0.7730				14.9		15.0			
2-Nitroaniline	0.8552 0.7699	0.8891	0.9584	0.7613	0.8429	Ave		0.8461				8.8		15.0			
Dimethylnaphthalene, total	0.7294 1.0832	0.7100	0.7878	0.8336	1.0017	QuaF		1.2389	-0.099						0.9982		0.9900
Dimethyl phthalate	1.3538 1.5593	1.2916	1.3869	1.3945	1.5614	Ave		1.4246				7.8		15.0			
Coumarin	0.2299 0.2758	0.2707	0.2882	0.3082	0.2780	Ave		0.2752				9.4		15.0			
2,6-Dinitrotoluene	0.1462 0.3650	0.2884	0.3348	0.3207	0.3348	QuaF		3.3154	-0.521						0.9997		0.9900
Acenaphthylene	1.6231 2.1072	1.3718	1.5011	1.5378	1.7394	QuaF		0.7088	-0.037						0.9998		0.9900
3-Nitroaniline	0.2715 0.2827	0.2658	0.2860	0.2902	0.2901	Ave		0.2810				3.6		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 Edison Job No.: 460-40258-1 Analy Batch No.: 113782

SDG No.:

Instrument ID: BNAMS4 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/24/2012 04:04 Calibration End Date: 05/24/2012 06:18 Calibration ID: 15689

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
3,5-di-tert-butyl-4-hydroxytol	1.0417 1.4167	0.9832	1.1384	1.1573	1.3296	Ave		1.1778				14.1		15.0			
Acenaphthene	0.9192 1.4729	0.8110	0.9659	1.0492	1.2611	QuaF		1.0118	-0.076						0.9988		0.9900
2,4-Dinitrophenol	0.2004 0.2644	0.2205	0.2451	0.2572	0.2774	Ave		0.2442			0.0500	11.8		15.0			
4-Nitrophenol	0.5934 0.5707	0.5615	0.6514	0.6265	0.6465	Ave		0.6084			0.0500	6.4		15.0			
2,4-Dinitrotoluene	0.4607 0.6011	0.4393	0.4593	0.4753	0.5401	Ave		0.4959				12.5		15.0			
Dibenzofuran	1.4648 2.2128	1.3392	1.4708	1.6003	1.9082	QuaF		0.6636	-0.032						0.9989		0.9900
2,3,4,6-Tetrachlorophenol	0.3127 0.3913	0.3095	0.3279	0.3670	0.4007	Ave		0.3515				11.4		30.0			
Diethyl phthalate	1.5023 1.6851	1.4196	1.4726	1.5446	1.6091	Ave		1.5389				6.3		15.0			
Fluorene	1.0973 1.9462	1.1291	1.2668	1.4671	1.7149	QuaF		0.7313	-0.038						0.9990		0.9900
4-Chlorophenyl phenyl ether	0.6364 1.0585	0.6465	0.7213	0.8261	0.9667	QuaF		1.2810	-0.108						0.9987		0.9900
4-Nitroaniline	0.2764 0.2651	0.3150	0.3302	0.2844	0.2859	Ave		0.2928				8.4		15.0			
4,6-Dinitro-2-methylphenol	0.1468 0.2035	0.1601	0.1705	0.2001	0.1937	Ave		0.1791				13.0		15.0			
N-Nitrosodiphenylamine	0.4487 0.5860	0.4162	0.4690	0.5002	0.5882	Ave		0.5014				14.3		30.0			
1,2-Diphenylhydrazine	1.3105 1.8943	1.4901	1.4986	1.6339	1.7387	Ave		1.5943				12.9		15.0			
4-Bromophenyl phenyl ether	0.1930 0.2642	0.1751	0.1944	0.2228	0.2488	QuaF		4.7565	-1.255						0.9991		0.9900
Hexachlorobenzene	0.1466 0.3617	0.2425	0.2487	0.2878	0.3114	QuaF		3.8625	-1.015						0.9998		0.9900
Atrazine	0.2322 0.2628	0.2362	0.2408	0.2688	0.2724	Ave		0.2522				7.1		15.0			
Pentachlorophenol	0.1430 0.2234	0.1483	0.1600	0.1945	0.2028	QuaF		5.9094	-2.179						0.9977		0.9900
Pentachloronitrobenzene	0.1396 0.1685	0.1500	0.1565	0.1594	0.1727	Ave		0.1578				7.7					
n-Octadecane	0.7424 0.9685	0.7437	0.7449	0.8529	0.9428	Ave		0.8326				12.6		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 Edison Job No.: 460-40258-1 Analy Batch No.: 113782

SDG No.:

Instrument ID: BNAMS4 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/24/2012 04:04 Calibration End Date: 05/24/2012 06:18 Calibration ID: 15689

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Phenanthrene	0.9563 1.2444	0.9293	0.9570	1.0761	1.1977	Ave		1.0601				12.8		15.0			
Anthracene	0.9878 1.3548	0.9532	0.9693	1.1436	1.2483	QuaF		0.9444	-0.052						0.9995		0.9900
Carbazole	0.8024 1.0946	0.7862	0.8123	0.9477	0.9728	Ave		0.9027				13.6		15.0			
Di-n-butyl phthalate	1.3060 1.6268	1.2916	1.3432	1.4974	1.5190	Ave		1.4307				9.5		15.0			
Fluoranthene	1.1188 1.4187	1.0269	1.1457	1.3035	1.3056	Ave		1.2199				12.0		30.0			
Benzidine	0.3303 +++++	0.3715	0.3220	0.2010	0.1138	Ave		0.2677				40.0	*	15.0			
Pyrene	1.2764 1.7170	1.4690	1.4259	1.6404	1.6549	Ave		1.5306				11.0		15.0			
Butyl benzyl phthalate	0.6972 0.8290	0.7790	0.7193	0.7970	0.7626	Ave		0.7640				6.4		15.0			
Carbamazepine	0.5583 0.5853	0.5310	0.5667	0.6261	0.5690	Ave		0.5727				5.5		15.0			
3,3'-Dichlorobenzidine	0.3645 0.2777	0.3601	0.3464	0.3180	0.2880	Ave		0.3258				11.4		15.0			
Benzo[a]anthracene	1.1663 1.1479	1.1114	1.0230	1.1342	1.1438	Ave		1.1211				4.6		15.0			
Bis(2-ethylhexyl) phthalate	0.9693 1.1351	1.0436	0.9278	1.0847	1.0930	Ave		1.0423				7.6		15.0			
Chrysene	0.9702 1.1315	1.0052	0.9605	1.0407	1.1042	Ave		1.0354				6.8		15.0			
Di-n-octyl phthalate	2.0467 2.9695	2.2605	2.4058	2.6908	2.4315	Ave		2.4675				13.2		30.0			
Benzo[b]fluoranthene	0.9435 1.6753	1.2523	1.2647	1.3645	1.3962	QuaF		0.8335	-0.047						0.9996		0.9900
Benzo[k]fluoranthene	1.0714 1.4535	1.3219	1.2602	1.4620	1.2244	Ave		1.2989				11.4		15.0			
Benzo[a]pyrene	0.8489 1.2749	1.0370	1.0137	1.1456	1.1307	Ave		1.0751				13.4		30.0			
Indeno[1,2,3-cd]pyrene	0.5386 1.4115	0.8939	0.9450	1.1458	1.1590	QuaF		1.0173	-0.073						0.9991		0.9900
Dibenz(a,h)anthracene	0.5953 1.3418	0.9043	0.9145	1.0790	1.1113	QuaF		1.0657	-0.079						0.9995		0.9900
Benzo[g,h,i]perylene	0.9670 1.3456	0.8837	0.9201	1.1248	1.1425	QuaF		1.0231	-0.069						0.9992		0.9900

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 Edison Job No.: 460-40258-1 Analy Batch No.: 113782

SDG No.:

Instrument ID: BNAMS4 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/24/2012 04:04 Calibration End Date: 05/24/2012 06:18 Calibration ID: 15689

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
2-Fluorophenol	1.2648 1.7324	1.3774	1.4376	1.5632	1.6790	Ave		1.5091				12.0		15.0			
Phenol-d5	1.7447 2.5659	1.8733	2.1386	2.1875	2.3190	Ave		2.1382				13.9		15.0			
Nitrobenzene-d5	0.7818 0.8641	0.7859	0.7440	0.8215	0.8077	Ave		0.8008				5.1		15.0			
2-Fluorobiphenyl	1.1782 1.5815	1.0393	1.1366	1.2781	1.4866	QuaF		0.8172	-0.040						0.9985		0.9900
2,4,6-Tribromophenol	0.2243 0.3241	0.2486	0.2698	0.2802	0.3089	Ave		0.2760				13.4		15.0			
Terphenyl-d14	0.8075 1.1384	0.8547	0.8400	0.9999	1.0935	Ave		0.9557				14.8		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 RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-40258-1 Analy Batch No.: 113782

SDG No.:

Instrument ID: BNAMS4 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/24/2012 04:04 Calibration End Date: 05/24/2012 06:18 Calibration ID: 15689

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-113782/7	u76728.d
Level 2	IC 460-113782/6	u76727.d
Level 3	IC 460-113782/5	u76726.d
Level 4	ICIS 460-113782/2	u76723.d
Level 5	IC 460-113782/4	u76725.d
Level 6	IC 460-113782/3	u76724.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
1-Naphthylamine	ANT	Ave	0 0	0	0	0	0	5.00 120	10.0	20.0	50.0	80.0
2,3,7,8-TCDD (Screen)	CRY	Ave	+++++ +++++	+++++	+++++	0	+++++	+++++ +++++	+++++	+++++	0.500	+++++
2-Naphthylamine	ANT	Ave	0 0	0	0	0	0	5.00 120	10.0	20.0	50.0	80.0
o-Toluidine	DCB	Ave	0 0	0	0	0	0	5.00 120	10.0	20.0	50.0	80.0
1,4-Dioxane	DCB	Ave	4100 100122	8301	18316	37616	61036	5.00 120	10.0	20.0	50.0	80.0
N-Nitrosodimethylamine	DCB	Ave	8852 232377	18189	36886	80997	137756	5.00 120	10.0	20.0	50.0	80.0
Pyridine	DCB	Ave	12783 351569	27579	56434	126745	213557	5.00 120	10.0	20.0	50.0	80.0
Benzaldehyde	DCB	Ave	12469 +++++	15905	31331	61852	39471	5.00 +++++	10.0	20.0	50.0	80.0
Phenol	DCB	QuaF	16089 536057	33541	69816	186471	291249	5.00 120	10.0	20.0	50.0	80.0
Aniline	DCB	Ave	18345 551694	37630	78024	187069	315254	5.00 120	10.0	20.0	50.0	80.0
Bis(2-chloroethyl)ether	DCB	Ave	1171 399912	26783	50846	121083	185839	0.500 120	10.0	20.0	50.0	80.0
2-Chlorophenol	DCB	Ave	9527 277765	20044	41146	97890	160439	5.00 120	10.0	20.0	50.0	80.0
Decane	DCB	Ave	21643 481775	39208	81691	184796	278942	5.00 120	10.0	20.0	50.0	80.0
1,3-Dichlorobenzene	DCB	Ave	10643 330328	21869	44740	104844	173917	5.00 120	10.0	20.0	50.0	80.0
1,4-Dichlorobenzene	DCB	Ave	10547 350822	22696	45837	110979	180369	5.00 120	10.0	20.0	50.0	80.0
Benzyl alcohol	DCB	QuaF	6910 257422	16994	32502	84108	133682	5.00 120	10.0	20.0	50.0	80.0

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

Lab Name: TestAmerica Edison Job No.: 460-40258-1 Analy Batch No.: 113782

SDG No.:

Instrument ID: BNAMS4 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/24/2012 04:04 Calibration End Date: 05/24/2012 06:18 Calibration ID: 15689

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
1,2-Dichlorobenzene	DCB	QuaF	10044 353781	20367	44020	103768	172299	5.00 120	10.0	20.0	50.0	80.0
2-Methylphenol	DCB	Ave	10754 348541	23576	48495	116397	195141	5.00 120	10.0	20.0	50.0	80.0
2,2'-oxybis[1-chloropropane]	DCB	Ave	28591 814210	60233	120322	291107	438629	5.00 120	10.0	20.0	50.0	80.0
Acetophenone	DCB	Ave	20428 644177	47115	96011	227761	359586	5.00 120	10.0	20.0	50.0	80.0
3 & 4 Methylphenol	DCB	Ave	12308 375656	28225	57646	135018	224441	5.00 120	10.0	20.0	50.0	80.0
4-Methylphenol	DCB	Ave	12308 375656	28225	57646	135018	224441	5.00 120	10.0	20.0	50.0	80.0
N-Nitrosodi-n-propylamine	DCB	Ave	1622 435705	34697	71060	165318	256080	0.500 120	10.0	20.0	50.0	80.0
Hexachloroethane	DCB	Ave	711 205269	14815	30276	71458	110312	0.500 120	10.0	20.0	50.0	80.0
Nitrobenzene	NPT	Ave	3141 861821	67005	138197	313081	493173	0.500 120	10.0	20.0	50.0	80.0
n,n'-Dimethylaniline	DCB	QuaF	1202 560148	35026	77668	188583	300796	0.500 120	10.0	20.0	50.0	80.0
Isophorone	NPT	Ave	32478 940968	73962	147357	346839	529850	5.00 120	10.0	20.0	50.0	80.0
2-Nitrophenol	NPT	Ave	4521 153307	12358	26584	57862	91783	5.00 120	10.0	20.0	50.0	80.0
2,4-Dimethylphenol	NPT	Ave	8601 258886	19096	40120	94835	156190	5.00 120	10.0	20.0	50.0	80.0
Bis(2-chloroethoxy)methane	NPT	Ave	15219 437434	33880	66748	156335	250217	5.00 120	10.0	20.0	50.0	80.0
Benzoic acid	NPT	Ave	5503 139630	15823	29260	61474	80223	5.00 120	10.0	20.0	50.0	80.0
2,4-Dichlorophenol	NPT	Ave	8135 288017	19040	41603	100099	164357	5.00 120	10.0	20.0	50.0	80.0
1,2,4-Trichlorobenzene	NPT	Ave	1141 337158	22707	46980	115842	184873	0.500 120	10.0	20.0	50.0	80.0
Naphthalene	NPT	Ave	25836 878015	58810	114928	281990	452146	5.00 120	10.0	20.0	50.0	80.0
4-Chloroaniline	NPT	Ave	10292 342808	24673	48249	124475	187736	5.00 120	10.0	20.0	50.0	80.0
Hexachlorobutadiene	NPT	Ave	1910 251901	17299	35305	83860	138811	1.00 120	10.0	20.0	50.0	80.0
Caprolactam	NPT	Ave	3287 88952	8652	15038	39899	52694	5.00 120	10.0	20.0	50.0	80.0

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

Lab Name: TestAmerica Edison Job No.: 460-40258-1 Analy Batch No.: 113782

SDG No.:

Instrument ID: BNAMS4 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/24/2012 04:04 Calibration End Date: 05/24/2012 06:18 Calibration ID: 15689

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
4-Chloro-3-methylphenol	NPT	Ave	13507 361176	33051	65234	152785	228110	5.00 120	10.0	20.0	50.0	80.0
2-Methylnaphthalene	NPT	Ave	15692 541980	36131	74684	187203	310696	5.00 120	10.0	20.0	50.0	80.0
1-Methylnaphthalene	NPT	QuaF	16311 653130	39001	77120	188175	302289	5.00 120	10.0	20.0	50.0	80.0
Hexachlorocyclopentadiene	ANT	QuaF	7131 262261	15258	35312	87687	152815	5.00 120	10.0	20.0	50.0	80.0
1,2,4,5-Tetrachlorobenzene	ANT	QuaF	11687 403161	26303	60842	143708	236525	5.00 120	10.0	20.0	50.0	80.0
2-tertbutyl-4-methylphenol	NPT	Ave	15793 515931	34672	73768	175666	268645	5.00 120	10.0	20.0	50.0	80.0
2,4,6-Trichlorophenol	ANT	Ave	7132 233033	17818	36513	91235	138930	5.00 120	10.0	20.0	50.0	80.0
2,4,5-Trichlorophenol	ANT	Ave	7905 242221	19698	41821	94626	142527	5.00 120	10.0	20.0	50.0	80.0
Diphenyl	ANT	QuaF	20480 819960	48877	102032	253486	437408	5.00 120	10.0	20.0	50.0	80.0
2-Chloronaphthalene	ANT	QuaF	17800 661843	42710	85840	206953	334342	5.00 120	10.0	20.0	50.0	80.0
Diphenyl ether	ANT	Ave	12864 456405	31235	60643	147861	226858	5.00 120	10.0	20.0	50.0	80.0
2-Nitroaniline	ANT	Ave	30536 357949	41104	83724	152622	230885	10.0 120	10.0	20.0	50.0	80.0
Dimethylnaphthalene, total	ANT	QuaF	13022 503581	32824	68819	167118	274374	5.00 120	10.0	20.0	50.0	80.0
Dimethyl phthalate	ANT	Ave	24170 724915	59711	121155	279551	427682	5.00 120	10.0	20.0	50.0	80.0
Coumarin	NPT	Ave	6332 189239	16144	35097	80963	115556	5.00 120	10.0	20.0	50.0	80.0
2,6-Dinitrotoluene	ANT	QuaF	522 169674	13331	29245	64294	91715	1.00 120	10.0	20.0	50.0	80.0
Acenaphthylene	ANT	QuaF	28977 979677	63418	131134	308298	476457	5.00 120	10.0	20.0	50.0	80.0
3-Nitroaniline	ANT	Ave	9694 131414	12287	24984	58184	79463	10.0 120	10.0	20.0	50.0	80.0
3,5-di-tert-butyl-4-hydroxytol	ANT	Ave	18598 658628	45456	99445	232012	364195	5.00 120	10.0	20.0	50.0	80.0
Acenaphthene	ANT	QuaF	16410 684759	37491	84380	210336	345428	5.00 120	10.0	20.0	50.0	80.0
2,4-Dinitrophenol	ANT	Ave	10736 122918	20391	32114	51564	75991	15.0 120	20.0	30.0	50.0	80.0

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

Lab Name: TestAmerica Edison Job No.: 460-40258-1 Analy Batch No.: 113782

SDG No.:

Instrument ID: BNAMS4 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/24/2012 04:04 Calibration End Date: 05/24/2012 06:18 Calibration ID: 15689

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
4-Nitrophenol	ANT	Ave	31784 265329	51920	85361	125597	177089	15.0 120	20.0	30.0	50.0	80.0
2,4-Dinitrotoluene	ANT	Ave	1645 279469	20307	40120	95283	147931	1.00 120	10.0	20.0	50.0	80.0
Dibenzofuran	ANT	QuaF	26151 1028773	61912	128484	320812	522686	5.00 120	10.0	20.0	50.0	80.0
2,3,4,6-Tetrachlorophenol	ANT	Ave	5582 181933	14307	28644	73572	109770	5.00 120	10.0	20.0	50.0	80.0
Diethyl phthalate	ANT	Ave	26821 783441	65627	128640	309654	440746	5.00 120	10.0	20.0	50.0	80.0
Fluorene	ANT	QuaF	19590 904820	52197	110664	294114	469741	5.00 120	10.0	20.0	50.0	80.0
4-Chlorophenyl phenyl ether	ANT	QuaF	11362 492117	29890	63010	165618	264803	5.00 120	10.0	20.0	50.0	80.0
4-Nitroaniline	ANT	Ave	9868 123263	14564	28846	57012	78311	10.0 120	10.0	20.0	50.0	80.0
4,6-Dinitro-2-methylphenol	PHN	Ave	14214 151653	26879	42357	65800	90291	15.0 120	20.0	30.0	50.0	80.0
N-Nitrosodiphenylamine	PHN	Ave	14478 436716	34933	77663	164455	274224	5.00 120	10.0	20.0	50.0	80.0
1,2-Diphenylhydrazine	PHN	Ave	42283 1411718	125071	248145	537183	810653	5.00 120	10.0	20.0	50.0	80.0
4-Bromophenyl phenyl ether	PHN	QuaF	6227 196898	14696	32187	73255	116004	5.00 120	10.0	20.0	50.0	80.0
Hexachlorobenzene	PHN	QuaF	473 269558	20358	41178	94607	145184	0.500 120	10.0	20.0	50.0	80.0
Atrazine	PHN	Ave	7491 195860	19822	39870	88363	126998	5.00 120	10.0	20.0	50.0	80.0
Pentachlorophenol	PHN	QuaF	13845 166493	24892	39728	63954	94564	15.0 120	20.0	30.0	50.0	80.0
Pentachloronitrobenzene	PHN	Ave	4504 125574	12593	25908	52420	80540	5.00 120	10.0	20.0	50.0	80.0
n-Octadecane	PHN	Ave	23955 721789	62427	123344	280412	439562	5.00 120	10.0	20.0	50.0	80.0
Phenanthrene	PHN	Ave	30855 927402	78005	158457	353788	558411	5.00 120	10.0	20.0	50.0	80.0
Anthracene	PHN	QuaF	31872 1009643	80005	160493	375974	582011	5.00 120	10.0	20.0	50.0	80.0
Carbazole	PHN	Ave	25891 815753	65988	134499	311591	453560	5.00 120	10.0	20.0	50.0	80.0
Di-n-butyl phthalate	PHN	Ave	42138 1212323	108413	222400	492312	708216	5.00 120	10.0	20.0	50.0	80.0

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

Lab Name: TestAmerica Edison Job No.: 460-40258-1 Analy Batch No.: 113782

SDG No.:

Instrument ID: BNAMS4 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/24/2012 04:04 Calibration End Date: 05/24/2012 06:18 Calibration ID: 15689

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Fluoranthene	PHN	Ave	36100 1057281	86197	189708	428554	608720	5.00 120	10.0	20.0	50.0	80.0
Benzidine	PHN	Ave	10658 +++++	62367	79963	66087	53078	5.00 +++++	20.0	30.0	50.0	80.0
Pyrene	CRY	Ave	33838 1034093	88810	179978	394994	590982	5.00 120	10.0	20.0	50.0	80.0
Butyl benzyl phthalate	CRY	Ave	18482 499287	47096	90790	191901	272344	5.00 120	10.0	20.0	50.0	80.0
Carbamazepine	CRY	Ave	14800 352524	32105	71524	150767	203186	5.00 120	10.0	20.0	50.0	80.0
3,3'-Dichlorobenzidine	CRY	Ave	19325 167266	43540	65584	76562	102852	10.0 120	20.0	30.0	50.0	80.0
Benzo[a]anthracene	CRY	Ave	3092 691357	67191	129129	273100	408479	0.500 120	10.0	20.0	50.0	80.0
Bis(2-ethylhexyl) phthalate	CRY	Ave	25697 683647	63093	117104	261181	390340	5.00 120	10.0	20.0	50.0	80.0
Chrysene	CRY	Ave	25721 681473	60768	121235	250590	394312	5.00 120	10.0	20.0	50.0	80.0
Di-n-octyl phthalate	PRY	Ave	38263 989704	87129	185036	393695	570966	5.00 120	10.0	20.0	50.0	80.0
Benzo[b]fluoranthene	PRY	QuaF	1764 558366	48269	97267	199636	327841	0.500 120	10.0	20.0	50.0	80.0
Benzo[k]fluoranthene	PRY	Ave	2003 484447	50952	96923	213910	287508	0.500 120	10.0	20.0	50.0	80.0
Benzo[a]pyrene	PRY	Ave	1587 424894	39970	77965	167611	265503	0.500 120	10.0	20.0	50.0	80.0
Indeno[1,2,3-cd]pyrene	PRY	QuaF	1007 470452	34455	72684	167646	272155	0.500 120	10.0	20.0	50.0	80.0
Dibenz(a,h)anthracene	PRY	QuaF	1113 447210	34854	70336	157866	260952	0.500 120	10.0	20.0	50.0	80.0
Benzo[g,h,i]perylene	PRY	QuaF	18078 448482	34061	70764	164571	268280	5.00 120	10.0	20.0	50.0	80.0
2-Fluorophenol	DCB	Ave	10886 331430	22879	45297	109642	186148	5.00 120	10.0	20.0	50.0	80.0
Phenol-d5	DCB	Ave	15016 490877	31117	67384	153426	257111	5.00 120	10.0	20.0	50.0	80.0
Nitrobenzene-d5	NPT	Ave	21533 592796	46868	90588	215791	335701	5.00 120	10.0	20.0	50.0	80.0
2-Fluorobiphenyl	ANT	QuaF	21035 735237	48046	99287	256235	407197	5.00 120	10.0	20.0	50.0	80.0
2,4,6-Tribromophenol	ANT	Ave	4005 150674	11491	23567	56166	84623	5.00 120	10.0	20.0	50.0	80.0

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

Lab Name: TestAmerica Edison Job No.: 460-40258-1 Analy Batch No.: 113782

SDG No.:

Instrument ID: BNAMS4 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/24/2012 04:04 Calibration End Date: 05/24/2012 06:18 Calibration ID: 15689

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Terphenyl-d14	CRY	Ave	21408 685602	51669	106022	240773	390505	5.00 120	10.0	20.0	50.0	80.0

Curve Type Legend:

Ave = Average ISTD
QuaF = Quadratic ISTD forced zero

Data File: /chem/BNAMS4.i/8270T/05-24-12/24may12.b/u76723.d
Report Date: 24-May-2012 11:00

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS4.i/8270T/05-24-12/24may12.b/u76723.d
Lab Smp Id: ICIS-1519304
Inj Date : 24-MAY-2012 04:04
Operator : BNAMS 4 Inst ID: BNAMS4.i
Smp Info : ICIS-1519304
Misc Info : 50 ppm bna 4658
Comment :
Method : /chem/BNAMS4.i/8270T/05-24-12/24may12.b/8270C_11.m
Meth Date : 24-May-2012 11:00 czhao Quant Type: ISTD
Cal Date : 24-MAY-2012 04:04 Cal File: u76723.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * Uf*1000*Vt/(Ws*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
	106 1,4-Dioxane	88	1.585	1.585	(0.369)	37616	50.0000	50
	19 N-Nitrosodimethylamine	74	1.818	1.818	(0.423)	80997	50.0000	50(H)
	71 Pyridine	79	1.848	1.848	(0.430)	126745	50.0000	50
$	16 2-Fluorophenol (SUR)	112	2.992	2.992	(0.696)	109642	50.0000	50
	110 Benzaldehyde	77	3.851	3.851	(0.896)	61852	50.0000	50
	73 Aniline	93	3.967	3.967	(0.923)	187069	50.0000	50
$	17 Phenol-d5 (SUR)	99	3.938	3.938	(0.916)	153426	50.0000	50
	1 Phenol	94	3.959	3.959	(0.921)	186471	50.0000	50
	20 bis(2-Chloroethyl)ether	93	4.032	4.032	(0.938)	121083	50.0000	50
	2 2-Chlorophenol	128	4.092	4.092	(0.952)	97890	50.0000	50
	113 n-decane	43	4.144	4.144	(0.964)	184796	50.0000	50
	21 1,3-Dichlorobenzene	146	4.248	4.248	(0.988)	104844	50.0000	50
*	79 1,4-Dichlorobenzene-d4	152	4.299	4.299	(1.000)	56111	40.0000	

Data File: /chem/BNAMS4.i/8270T/05-24-12/24may12.b/u76723.d
Report Date: 24-May-2012 11:00

		QUANT SIG					AMOUNTS CAL-AMT	ON-COL
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/ml)	(ug/ml)
	22 1,4-Dichlorobenzene	146	4.314	4.314	(1.003)	110979	50.0000	50
	74 Benzyl Alcohol	108	4.446	4.446	(1.034)	84108	50.0000	50
	23 1,2-Dichlorobenzene	146	4.475	4.475	(1.041)	103768	50.0000	50
	24 bis (2-chloroisopropyl) ether	45	4.578	4.578	(1.065)	291107	50.0000	50
	3 2-Methylphenol	108	4.564	4.564	(1.062)	116397	50.0000	50
	104 Acetophenone	105	4.717	4.717	(1.097)	227761	50.0000	50
	25 N-Nitroso-di-n-propylamine	70	4.725	4.725	(1.099)	165318	50.0000	50
	4 4-Methylphenol	108	4.725	4.725	(1.099)	135018	50.0000	50
	123 3 & 4 Methylphenol	108	4.725	4.725	(1.099)	135018	50.0000	50
	26 Hexachloroethane	117	4.812	4.812	(1.119)	71458	50.0000	50
$	76 Nitrobenzene-d5 (SUR)	82	4.864	4.864	(0.869)	215791	50.0000	50
	27 Nitrobenzene	77	4.894	4.894	(0.875)	313081	50.0000	50
	107 N,N-Dimethylaniline	120	4.894	4.894	(1.138)	188583	50.0000	50
	28 Isophorone	82	5.138	5.138	(0.918)	346839	50.0000	50
	5 2-Nitrophenol	139	5.212	5.212	(0.931)	57862	50.0000	50
	6 2,4-Dimethylphenol	122	5.264	5.264	(0.941)	94835	50.0000	50
	29 bis(2-Chloroethoxy)methane	93	5.353	5.353	(0.957)	156335	50.0000	50
	7 2,4-Dichlorophenol	162	5.462	5.462	(0.976)	100099	50.0000	50
	15 Benzoic Acid	122	5.433	5.433	(0.971)	61474	50.0000	50
	30 1,2,4-Trichlorobenzene	180	5.544	5.544	(0.991)	115842	50.0000	50
*	80 Naphthalene-d8	136	5.596	5.596	(1.000)	210140	40.0000	
	31 Naphthalene	128	5.618	5.618	(1.004)	281990	50.0000	50
	32 4-Chloroaniline	127	5.677	5.677	(1.015)	124475	50.0000	50
	33 Hexachlorobutadiene	225	5.750	5.750	(1.028)	83860	50.0000	50
	111 Caprolactam	113	6.081	6.081	(1.087)	39899	50.0000	50
	8 4-Chloro-3-methylphenol	107	6.191	6.191	(1.106)	152785	50.0000	50
	34 2-Methylnaphthalene	142	6.323	6.323	(1.130)	187203	50.0000	50
	120 1-Methylnaphthalene	142	6.419	6.419	(1.147)	188175	50.0000	50(H)
	35 Hexachlorocyclopentadiene	237	6.492	6.492	(0.882)	87687	50.0000	50
	129 1,2,4,5-Tetrachlorobenzene	216	6.492	6.492	(0.882)	143708	50.0000	50(H)
	121 2-tert-Butyl-4-methylphenol	149	6.537	6.537	(1.168)	175666	50.0000	50
	9 2,4,6-Trichlorophenol	196	6.611	6.611	(0.898)	91235	50.0000	50(H)
	10 2,4,5-Trichlorophenol	196	6.656	6.656	(0.904)	94626	50.0000	50(H)
$	77 2-Fluorobiphenyl (SUR)	172	6.693	6.693	(0.909)	256235	50.0000	50(H)
	102 Diphenyl	154	6.796	6.796	(0.923)	253486	50.0000	50(H)
	36 2-Chloronaphthalene	162	6.810	6.810	(0.925)	206953	50.0000	50
	103 Diphenyl Ether	170	6.898	6.898	(0.937)	147861	50.0000	50(H)
	37 2-Nitroaniline	65	6.921	6.921	(0.940)	152622	50.0000	50
	125 1,3-Dimethylnaphthalene	156	7.030	7.030	(0.955)	167118	50.0000	50(H)
	38 Dimethylphthalate	163	7.105	7.105	(0.965)	279551	50.0000	50
	114 Coumarin	146	7.127	7.127	(1.274)	80963	50.0000	50
	40 2,6-Dinitrotoluene	165	7.164	7.164	(0.973)	64294	50.0000	50
	39 Acenaphthylene	152	7.224	7.224	(0.981)	308298	50.0000	50
	41 3-Nitroaniline	138	7.335	7.335	(0.996)	58184	50.0000	50(H)
*	82 Acenaphthene-d10	164	7.364	7.364	(1.000)	160379	40.0000	
	42 Acenaphthene	154	7.400	7.400	(1.005)	210336	50.0000	50(H)
	122 2,6-Di-tert-butyl-p-cresol	205	7.393	7.393	(1.004)	232012	50.0000	50(H)

Data File: /chem/BNAMS4.i/8270T/05-24-12/24may12.b/u76723.d
Report Date: 24-May-2012 11:00

		QUANT SIG					AMOUNTS	
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
	11 2,4-Dinitrophenol	184	7.430	7.430	(1.009)	51564	50.0000	50
	12 4-Nitrophenol	65	7.511	7.511	(1.020)	125597	50.0000	50(H)
	43 Dibenzofuran	168	7.571	7.571	(1.028)	320812	50.0000	50
	44 2,4-Dinitrotoluene	165	7.563	7.563	(1.027)	95283	50.0000	50
	130 2,3,4,6-Tetrachlorophenol	232	7.697	7.697	(1.045)	73572	50.0000	50
	45 Diethylphthalate	149	7.808	7.808	(1.060)	309654	50.0000	50
	47 Fluorene	166	7.912	7.912	(1.074)	294114	50.0000	50
	46 4-Chlorophenyl-phenylether	204	7.912	7.912	(1.074)	165618	50.0000	50
	48 4-Nitroaniline	138	7.949	7.949	(1.080)	57012	50.0000	50(H)
	13 4,6-Dinitro-2-methylphenol	198	7.972	7.972	(0.902)	65800	50.0000	50
	49 N-Nitrosodiphenylamine	169	8.031	8.031	(0.909)	164455	50.0000	50
	75 1,2-Diphenylhydrazine	77	8.067	8.067	(0.913)	537183	50.0000	50
$	18 2,4,6-Tribromophenol (SUR)	330	8.149	8.149	(1.107)	56166	50.0000	50
	50 4-Bromophenyl-phenylether	248	8.392	8.392	(0.950)	73255	50.0000	50
	51 Hexachlorobenzene	284	8.459	8.459	(0.957)	94607	50.0000	50
	112 Atrazine	200	8.571	8.571	(0.970)	88363	50.0000	50(H)
	14 Pentachlorophenol	266	8.660	8.660	(0.980)	63954	50.0000	50
	132 Pentachloronitrobenzene	237	8.675	8.675	(0.982)	52420	50.0000	50
	115 n-Octadecane	57	8.734	8.734	(0.988)	280412	50.0000	50(H)
*	83 Phenanthrene-d10	188	8.837	8.837	(1.000)	263017	40.0000	
	52 Phenanthrene	178	8.865	8.865	(1.003)	353788	50.0000	50(H)
	53 Anthracene	178	8.916	8.916	(1.009)	375974	50.0000	50
	54 Carbazole	167	9.070	9.070	(1.026)	311591	50.0000	50
	55 Di-n-butylphthalate	149	9.415	9.415	(1.065)	492312	50.0000	50
	56 Fluoranthene	202	10.036	10.036	(1.136)	428554	50.0000	50
	58 Benzidine	184	10.160	10.160	(1.150)	66087	50.0000	50
	57 Pyrene	202	10.264	10.264	(0.884)	394994	50.0000	50
$	78 Terphenyl-d14	244	10.416	10.416	(0.897)	240773	50.0000	50
	59 Butylbenzylphthalate	149	10.938	10.938	(0.942)	191901	50.0000	50
	124 Carbamazepine	193	11.070	11.070	(0.953)	150767	50.0000	50
	60 3,3'-Dichlorobenzidine	252	11.570	11.570	(0.996)	76562	50.0000	50
	61 Benzo(a)anthracene	228	11.593	11.593	(0.998)	273100	50.0000	50
*	81 Chrysene-d12	240	11.615	11.615	(1.000)	192630	40.0000	
	63 bis(2-Ethylhexyl)phthalate	149	11.630	11.630	(1.001)	261181	50.0000	50
	62 Chrysene	228	11.645	11.645	(1.003)	250590	50.0000	50
	64 Di-n-octylphthalate	149	12.492	12.492	(0.923)	393695	50.0000	50
	65 Benzo(b)fluoranthene	252	13.008	13.008	(0.961)	199636	50.0000	50
	66 Benzo(k)fluoranthene	252	13.045	13.045	(0.964)	213910	50.0000	50
	67 Benzo(a)pyrene	252	13.450	13.450	(0.994)	167611	50.0000	50
*	84 Perylene-d12	264	13.532	13.532	(1.000)	117049	40.0000	
	68 Indeno(1,2,3-cd)pyrene	276	15.051	15.051	(1.112)	167646	50.0000	50(H)
	69 Dibenz(a,h)anthracene	278	15.087	15.087	(1.115)	157866	50.0000	50
	70 Benzo(g,h,i)perylene	276	15.477	15.477	(1.144)	164571	50.0000	50

Data File: /chem/BNAMS4.i/8270T/05-24-12/24may12.b/u76723.d
Report Date: 24-May-2012 11:00

QC Flag Legend

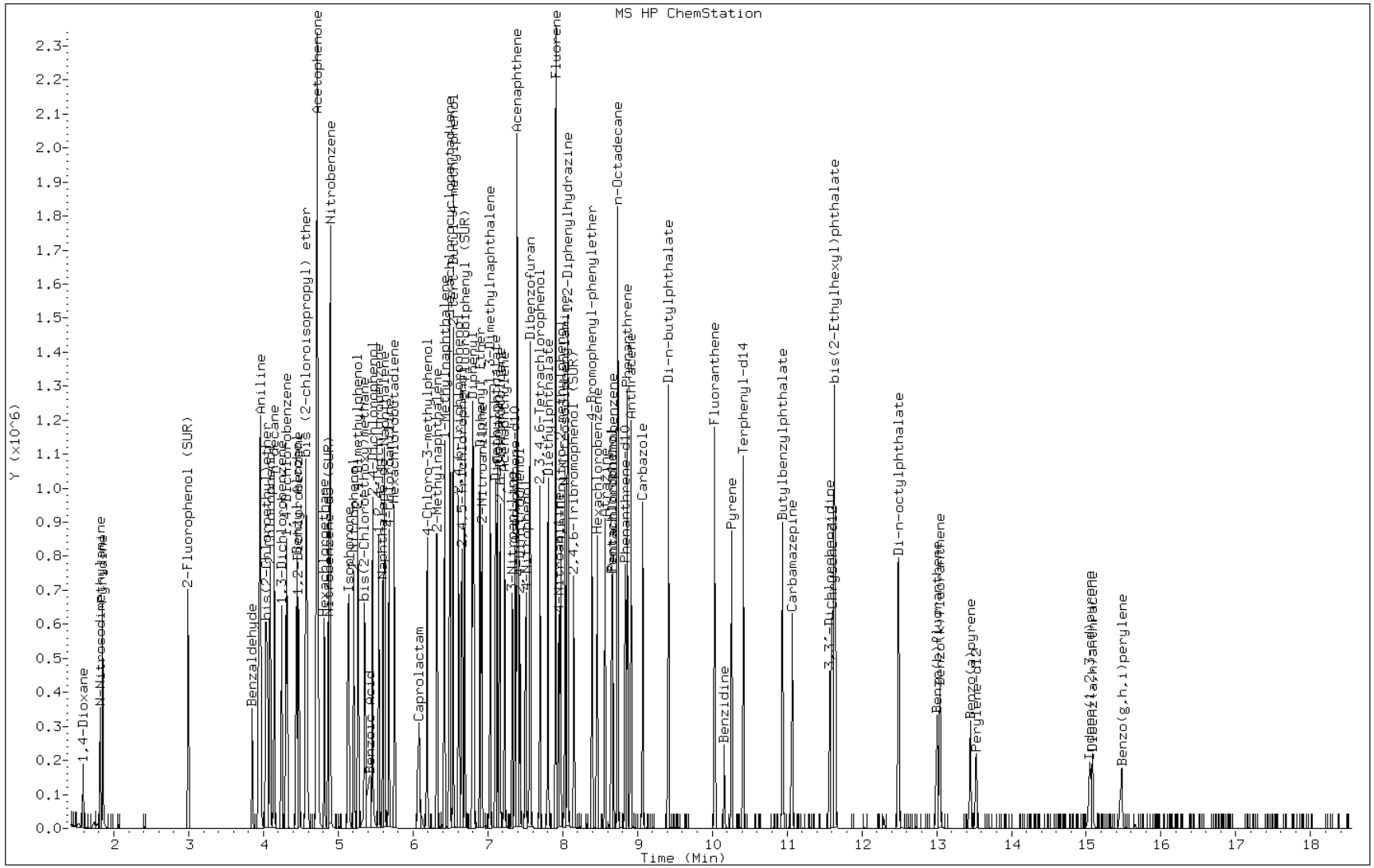
H - Operator selected an alternate compound hit.

Data File: u76723.d

Date: 24-MAY-2012 04:04

Client ID: Instrument: BNAMS4.i

Sample Info: ICIS-1519304 Operator: BNAMS 4



Data File: /chem/BNAMS4.i/8270T/05-24-12/24may12.b/u76724.d
Report Date: 24-May-2012 11:16

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS4.i/8270T/05-24-12/24may12.b/u76724.d
Lab Smp Id: IC-1519307
Inj Date : 24-MAY-2012 04:47
Operator : BNAMS 4 Inst ID: BNAMS4.i
Smp Info : IC-1519307
Misc Info :
Comment :
Method : /chem/BNAMS4.i/8270T/05-24-12/24may12.b/8270C_11.m
Meth Date : 24-May-2012 11:16 czhao Quant Type: ISTD
Cal Date : 24-MAY-2012 04:47 Cal File: u76724.d
Als bottle: 2 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * Uf*1000*Vt/(Ws*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
	106 1,4-Dioxane	88	1.634	1.634	(0.379)	100122	120.000	120
	19 N-Nitrosodimethylamine	74	1.905	1.905	(0.442)	232377	120.000	130(AM)
	71 Pyridine	79	1.941	1.941	(0.451)	351569	120.000	120(AM)
$	16 2-Fluorophenol (SUR)	112	3.046	3.046	(0.707)	331430	120.000	140(A)
	110 Benzaldehyde	77	3.866	3.866	(0.898)	40868	120.000	28
	73 Aniline	93	3.982	3.982	(0.925)	551694	120.000	140(A)
$	17 Phenol-d5 (SUR)	99	3.975	3.975	(0.923)	490877	120.000	140(A)
	1 Phenol	94	3.990	3.990	(0.926)	536057	120.000	140(A)
	20 bis(2-Chloroethyl)ether	93	4.056	4.056	(0.942)	399912	120.000	150(A)
	2 2-Chlorophenol	128	4.115	4.115	(0.956)	277765	120.000	130(A)
	113 n-decane	43	4.153	4.153	(0.964)	481775	120.000	120
	21 1,3-Dichlorobenzene	146	4.257	4.257	(0.988)	330328	120.000	140(A)
*	79 1,4-Dichlorobenzene-d4	152	4.307	4.307	(1.000)	63770	40.0000	

Data File: /chem/BNAMS4.i/8270T/05-24-12/24may12.b/u76724.d
Report Date: 24-May-2012 11:16

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
	22 1,4-Dichlorobenzene	146	4.329	4.329	(1.005)	350822	120.000	140(A)
	74 Benzyl Alcohol	108	4.469	4.469	(1.038)	257422	120.000	150(A)
	23 1,2-Dichlorobenzene	146	4.484	4.484	(1.041)	353781	120.000	150(A)
	24 bis (2-chloroisopropyl) ether	45	4.594	4.594	(1.067)	814210	120.000	130(A)
	3 2-Methylphenol	108	4.587	4.587	(1.065)	348541	120.000	140(A)
	104 Acetophenone	105	4.740	4.740	(1.101)	644177	120.000	130(A)
	25 N-Nitroso-di-n-propylamine	70	4.778	4.778	(1.109)	435705	120.000	120(AM)
	4 4-Methylphenol	108	4.755	4.755	(1.104)	375656	120.000	130(AH)
	123 3 & 4 Methylphenol	108	4.755	4.755	(1.104)	375656	120.000	130(AH)
	26 Hexachloroethane	117	4.822	4.822	(1.120)	205269	120.000	130(A)
$	76 Nitrobenzene-d5 (SUR)	82	4.888	4.888	(0.872)	592796	120.000	130(A)
	27 Nitrobenzene	77	4.911	4.911	(0.876)	861821	120.000	96
	107 N,N-Dimethylaniline	120	4.911	4.911	(1.140)	560148	120.000	150(A)
	28 Isophorone	82	5.160	5.160	(0.921)	940968	120.000	130(A)
	5 2-Nitrophenol	139	5.226	5.226	(0.932)	153307	120.000	130(A)
	6 2,4-Dimethylphenol	122	5.286	5.286	(0.943)	258886	120.000	130(A)
	29 bis(2-Chloroethoxy)methane	93	5.368	5.368	(0.958)	437434	120.000	130(A)
	7 2,4-Dichlorophenol	162	5.479	5.479	(0.977)	288017	120.000	140(A)
	15 Benzoic Acid	122	5.509	5.509	(0.983)	139630	120.000	110(M)
	30 1,2,4-Trichlorobenzene	180	5.553	5.553	(0.991)	337158	120.000	140(A)
*	80 Naphthalene-d8	136	5.606	5.606	(1.000)	228688	40.0000	
	31 Naphthalene	128	5.628	5.628	(1.004)	878015	120.000	150(A)
	32 4-Chloroaniline	127	5.688	5.688	(1.015)	342808	120.000	140(A)
	33 Hexachlorobutadiene	225	5.755	5.755	(1.027)	251901	120.000	140(A)
	111 Caprolactam	113	6.158	6.158	(1.099)	88952	120.000	120
	8 4-Chloro-3-methylphenol	107	6.211	6.211	(1.108)	361176	120.000	120
	34 2-Methylnaphthalene	142	6.328	6.328	(1.129)	541980	120.000	140(A)
	120 1-Methylnaphthalene	142	6.430	6.430	(1.147)	653130	120.000	160(A)
	35 Hexachlorocyclopentadiene	237	6.494	6.494	(0.880)	262261	120.000	150(A)
	129 1,2,4,5-Tetrachlorobenzene	216	6.502	6.502	(0.881)	403161	120.000	140(A)
	121 2-tert-Butyl-4-methylphenol	149	6.554	6.554	(1.169)	515931	120.000	140(A)
	9 2,4,6-Trichlorophenol	196	6.628	6.628	(0.899)	233033	120.000	140(A)
	10 2,4,5-Trichlorophenol	196	6.673	6.673	(0.905)	242221	120.000	130(A)
$	77 2-Fluorobiphenyl (SUR)	172	6.703	6.703	(0.909)	735237	120.000	150(A)
	102 Diphenyl	154	6.807	6.807	(0.923)	819960	120.000	160(A)
	36 2-Chloronaphthalene	162	6.822	6.822	(0.925)	661843	120.000	160(A)
	103 Diphenyl Ether	170	6.910	6.910	(0.937)	456405	120.000	150(A)
	37 2-Nitroaniline	65	6.940	6.940	(0.941)	357949	120.000	110
	125 1,3-Dimethylnaphthalene	156	7.044	7.044	(0.955)	503581	120.000	150(A)
	38 Dimethylphthalate	163	7.126	7.126	(0.966)	724915	120.000	130(A)
	114 Coumarin	146	7.148	7.148	(1.275)	189239	120.000	120(A)
	40 2,6-Dinitrotoluene	165	7.185	7.185	(0.974)	169674	120.000	150(A)
	39 Acenaphthylene	152	7.235	7.235	(0.981)	979677	120.000	150(A)
	41 3-Nitroaniline	138	7.354	7.354	(0.997)	131414	120.000	120(A)
*	82 Acenaphthene-d10	164	7.376	7.376	(1.000)	154970	40.0000	
	42 Acenaphthene	154	7.411	7.411	(1.005)	684759	120.000	160(A)
	122 2,6-Di-tert-butyl-p-cresol	205	7.404	7.404	(1.004)	658628	120.000	140(A)

Data File: /chem/BNAMS4.i/8270T/05-24-12/24may12.b/u76724.d
Report Date: 24-May-2012 11:16

		QUANT SIG					AMOUNTS	
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
	11 2,4-Dinitrophenol	184	7.455	7.455	(1.011)	122918	120.000	130(A)
	12 4-Nitrophenol	65	7.535	7.535	(1.022)	265329	120.000	110
	43 Dibenzofuran	168	7.588	7.588	(1.029)	1028773	120.000	160(A)
	44 2,4-Dinitrotoluene	165	7.580	7.580	(1.028)	279469	120.000	140(A)
	130 2,3,4,6-Tetrachlorophenol	232	7.710	7.710	(1.045)	181933	120.000	130(A)
	45 Diethylphthalate	149	7.822	7.822	(1.060)	783441	120.000	130(A)
	47 Fluorene	166	7.924	7.924	(1.074)	904820	120.000	160(A)
	46 4-Chlorophenyl-phenylether	204	7.917	7.917	(1.073)	492117	120.000	160(A)
	48 4-Nitroaniline	138	7.990	7.990	(1.083)	123263	120.000	110
	13 4,6-Dinitro-2-methylphenol	198	7.997	7.997	(0.904)	151653	120.000	140(A)
	49 N-Nitrosodiphenylamine	169	8.049	8.049	(0.910)	436716	120.000	140(A)
	75 1,2-Diphenylhydrazine	77	8.086	8.086	(0.914)	1411718	120.000	140(A)
$	18 2,4,6-Tribromophenol (SUR)	330	8.168	8.168	(1.107)	150674	120.000	140(A)
	50 4-Bromophenyl-phenylether	248	8.405	8.405	(0.950)	196898	120.000	150(A)
	51 Hexachlorobenzene	284	8.478	8.478	(0.958)	269558	120.000	160(A)
	112 Atrazine	200	8.588	8.588	(0.971)	195860	120.000	120(A)
	14 Pentachlorophenol	266	8.670	8.670	(0.980)	166493	120.000	150(A)
	132 Pentachloronitrobenzene	237	8.684	8.684	(0.982)	125574	120.000	130(A)
	115 n-Octadecane	57	8.743	8.743	(0.988)	721789	120.000	140(A)
*	83 Phenanthrene-d10	188	8.846	8.846	(1.000)	248413	40.0000	
	52 Phenanthrene	178	8.875	8.875	(1.003)	927402	120.000	140(A)
	53 Anthracene	178	8.926	8.926	(1.009)	1009643	120.000	150(A)
	54 Carbazole	167	9.089	9.089	(1.028)	815753	120.000	140(A)
	55 Di-n-butylphthalate	149	9.421	9.421	(1.065)	1212323	120.000	140(A)
	56 Fluoranthene	202	10.048	10.048	(1.136)	1057281	120.000	140(A)
	58 Benzidine	184	10.166	10.166	(1.149)	69022	120.000	42
	57 Pyrene	202	10.276	10.276	(0.884)	1034093	120.000	130(A)
$	78 Terphenyl-d14	244	10.423	10.423	(0.897)	685602	120.000	140(A)
	59 Butylbenzylphthalate	149	10.949	10.949	(0.942)	499287	120.000	130(A)
	124 Carbamazepine	193	11.090	11.090	(0.954)	352524	120.000	120(A)
	60 3,3'-Dichlorobenzidine	252	11.587	11.587	(0.997)	167266	120.000	100
	61 Benzo(a)anthracene	228	11.610	11.610	(0.999)	691357	120.000	120(A)
*	81 Chrysene-d12	240	11.623	11.623	(1.000)	200756	40.0000	
	63 bis(2-Ethylhexyl)phthalate	149	11.638	11.638	(1.001)	683647	120.000	130(A)
	62 Chrysene	228	11.660	11.660	(1.003)	681473	120.000	130(A)
	64 Di-n-octylphthalate	149	12.504	12.504	(0.923)	989704	120.000	140(A)
	65 Benzo(b)fluoranthene	252	13.033	13.033	(0.962)	558366	120.000	150(A)
	66 Benzo(k)fluoranthene	252	13.070	13.070	(0.965)	484447	120.000	130(A)
	67 Benzo(a)pyrene	252	13.476	13.476	(0.995)	424894	120.000	140(A)
*	84 Perylene-d12	264	13.541	13.541	(1.000)	111096	40.0000	
	68 Indeno(1,2,3-cd)pyrene	276	15.085	15.085	(1.114)	470452	120.000	170(AM)
	69 Dibenz(a,h)anthracene	278	15.122	15.122	(1.117)	447210	120.000	160(A)
	70 Benzo(g,h,i)perylene	276	15.520	15.520	(1.146)	448482	120.000	150(A)

Data File: /chem/BNAMS4.i/8270T/05-24-12/24may12.b/u76724.d
Report Date: 24-May-2012 11:16

QC Flag Legend

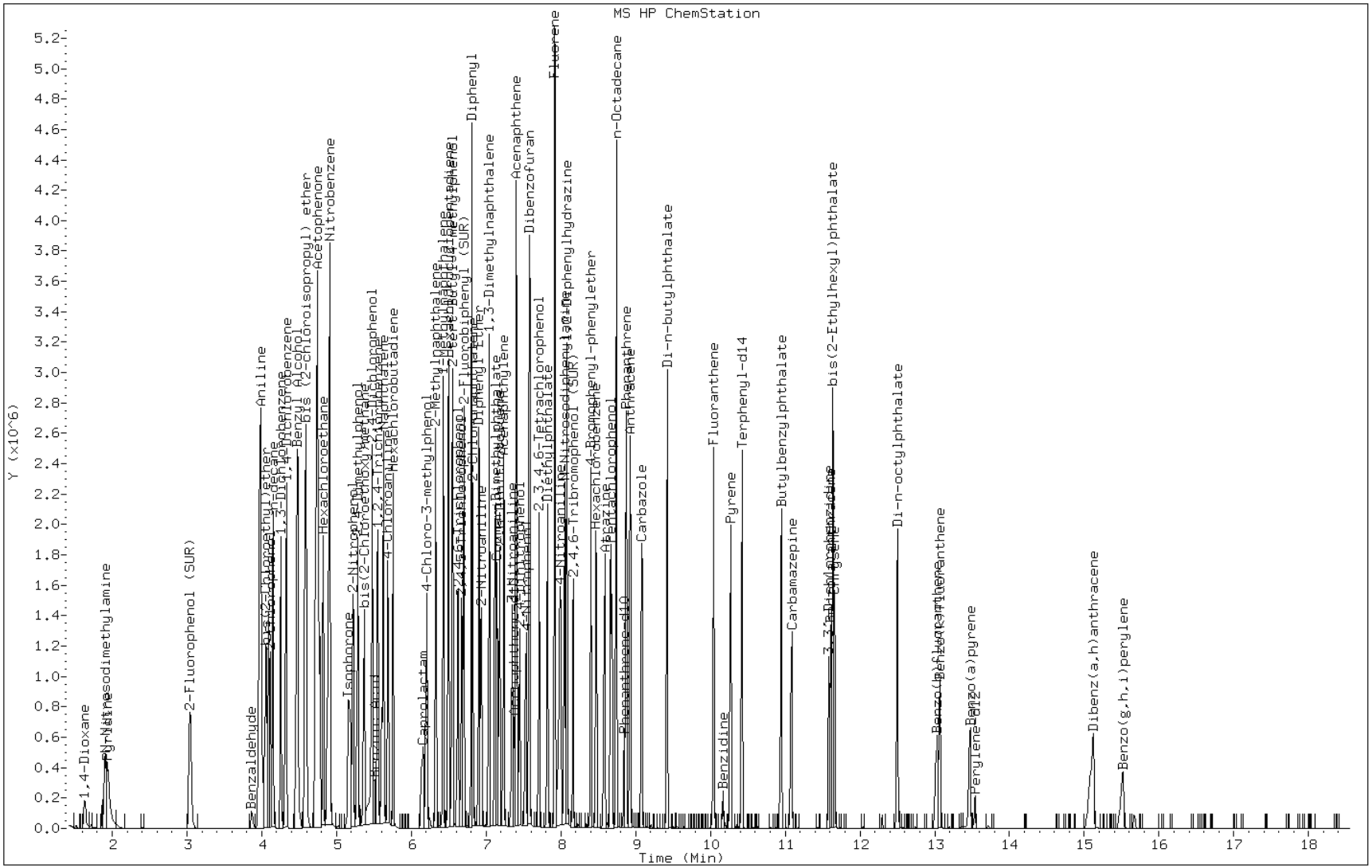
A - Target compound detected but, quantitated amount
    exceeded maximum amount.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: u76724.d

Date: 24-MAY-2012 04:47

Client ID: Instrument: BNAMS4.i

Sample Info: IC-1519307 Operator: BNAMS 4



Manual Integration Report

Data File: u76724.d
Inj. Date and Time: 24-MAY-2012 04:47
Instrument ID: BNAMS4.i
Client ID:
Compound: 68 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 05/24/2012

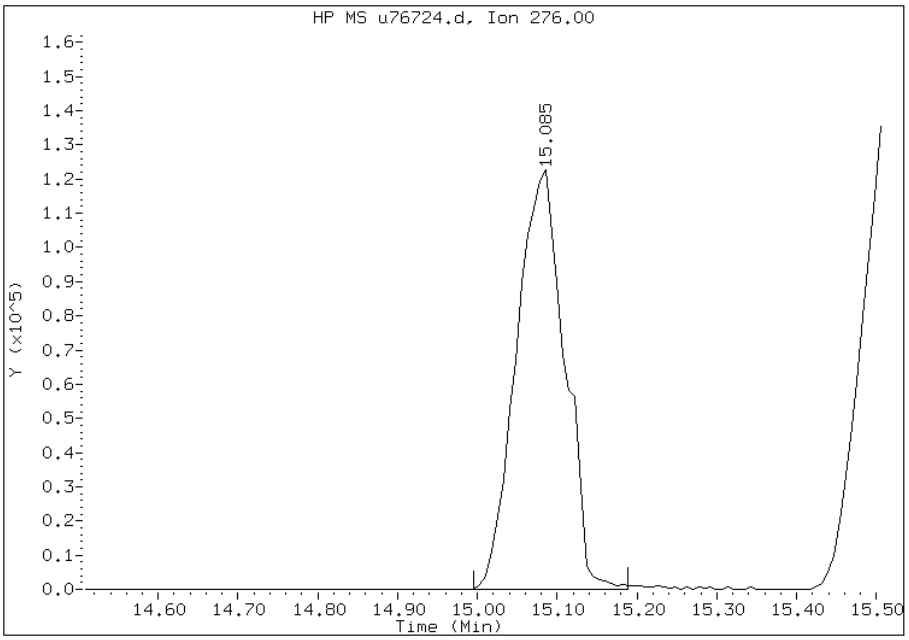
Processing Integration Results

RT: 15.09

Response: 521213

Amount: 73

Conc: 73



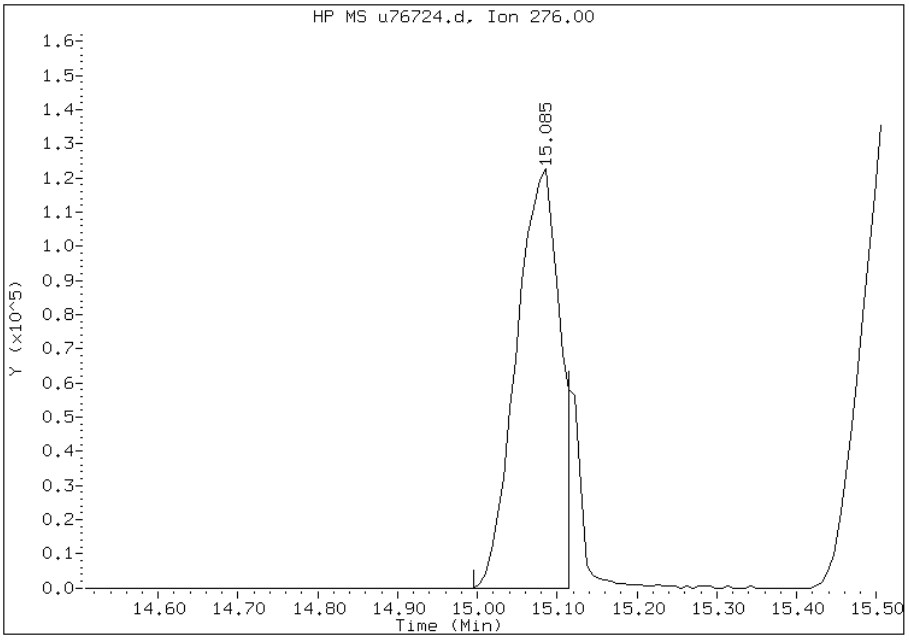
Manual Integration Results

RT: 15.09

Response: 470452

Amount: 167

Conc: 167



Manually Integrated By: wahied
Manual Integration Reason:

Manual Integration Report

Data File: u76724.d
Inj. Date and Time: 24-MAY-2012 04:47
Instrument ID: BNAMS4.i
Client ID:
Compound: 71 Pyridine
CAS #: 110-86-1
Report Date: 05/24/2012

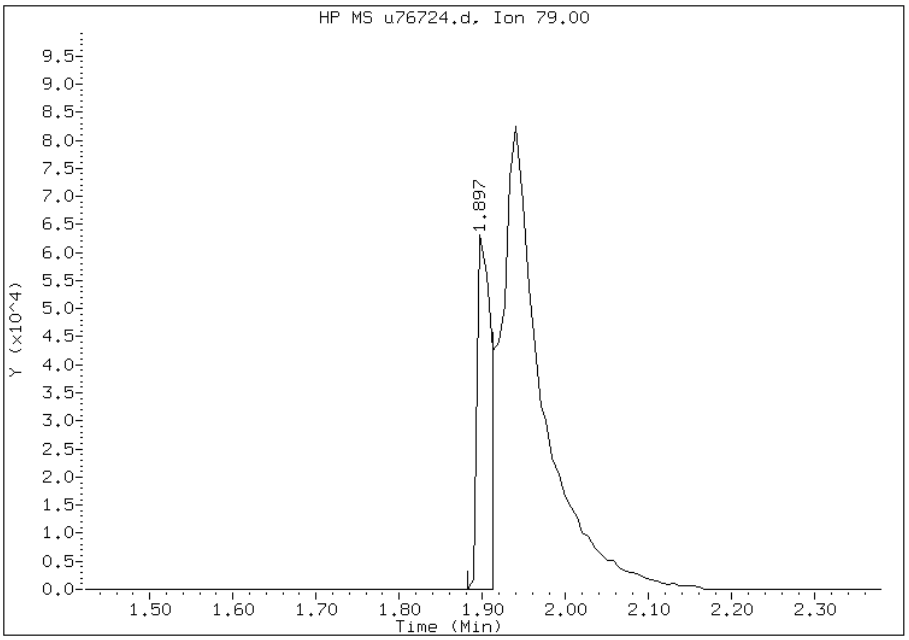
Processing Integration Results

RT: 1.90

Response: 72756

Amount: 30

Conc: 30



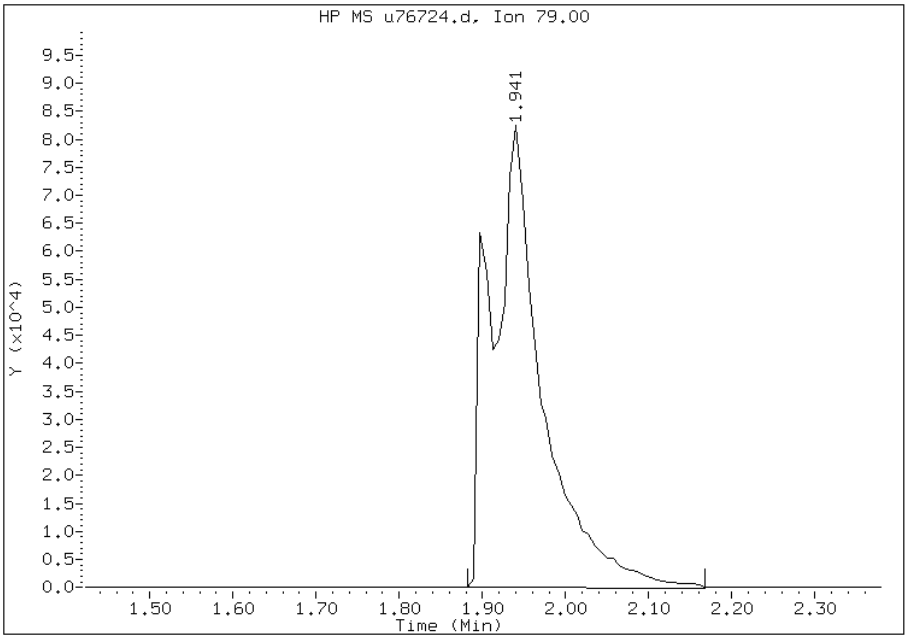
Manual Integration Results

RT: 1.94

Response: 351569

Amount: 126

Conc: 126



Manually Integrated By: wahied
Manual Integration Reason:

Manual Integration Report

Data File: u76724.d
Inj. Date and Time: 24-MAY-2012 04:47
Instrument ID: BNAMS4.i
Client ID:
Compound: 25 N-Nitroso-di-n-propylamine
CAS #: 621-64-7
Report Date: 05/24/2012

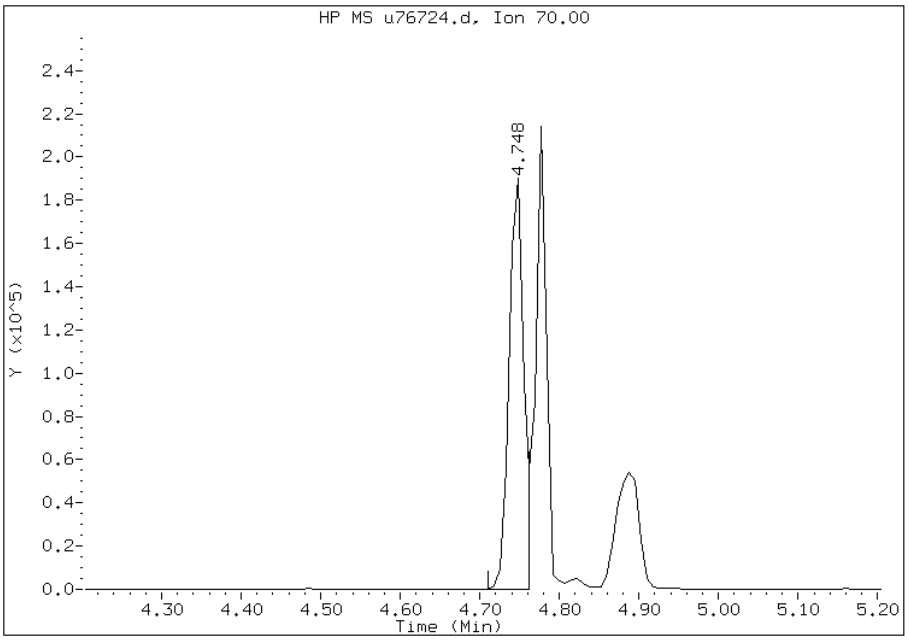
Processing Integration Results

RT: 4.75

Response: 250971

Amount: 79

Conc: 79



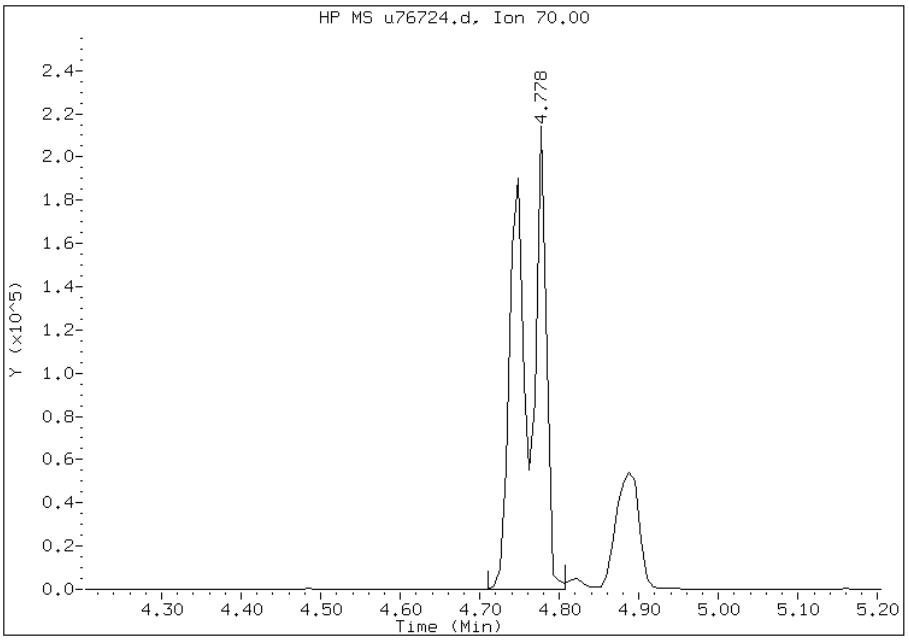
Manual Integration Results

RT: 4.78

Response: 435705

Amount: 124

Conc: 124



Manually Integrated By: wahied
Manual Integration Reason:

Manual Integration Report

Data File: u76724.d
Inj. Date and Time: 24-MAY-2012 04:47
Instrument ID: BNAMS4.i
Client ID:
Compound: 15 Benzoic Acid
CAS #: 65-85-0
Report Date: 05/24/2012

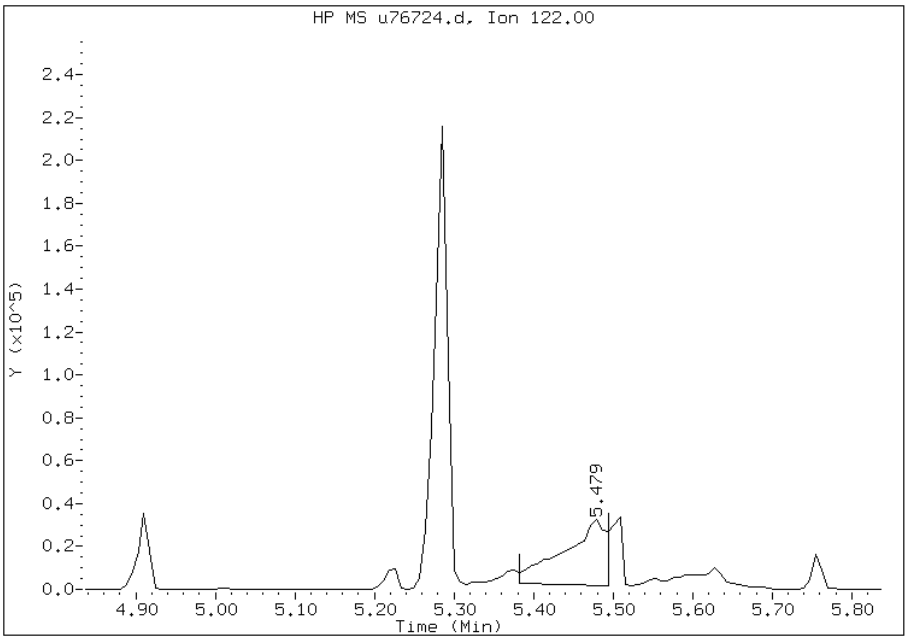
Processing Integration Results

RT: 5.48

Response: 115467

Amount: 146

Conc: 146



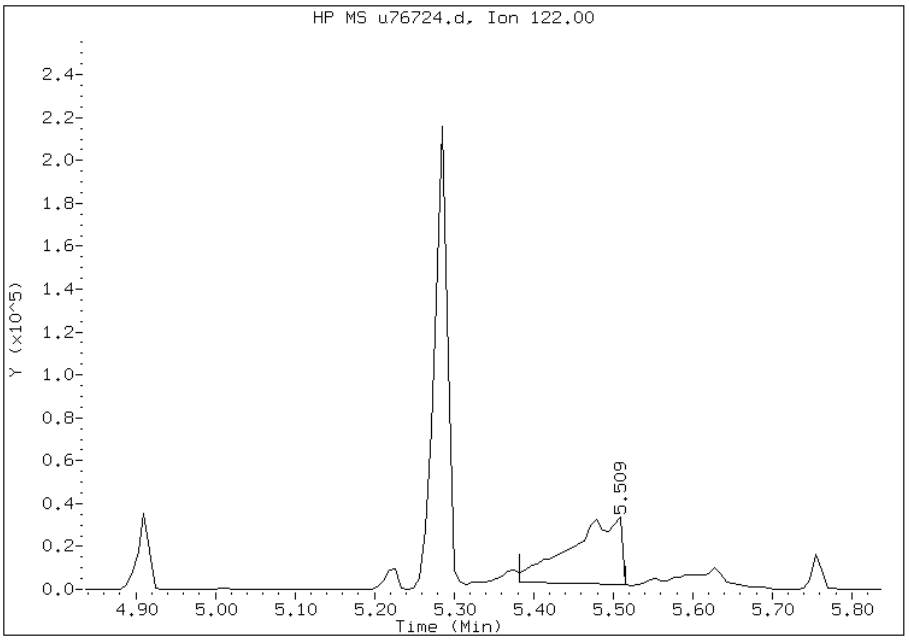
Manual Integration Results

RT: 5.51

Response: 139630

Amount: 110

Conc: 110



Manually Integrated By: wahied
Manual Integration Reason:

Manual Integration Report

Data File: u76724.d
Inj. Date and Time: 24-MAY-2012 04:47
Instrument ID: BNAMS4.i
Client ID:
Compound: 19 N-Nitrosodimethylamine
CAS #: 62-75-9
Report Date: 05/24/2012

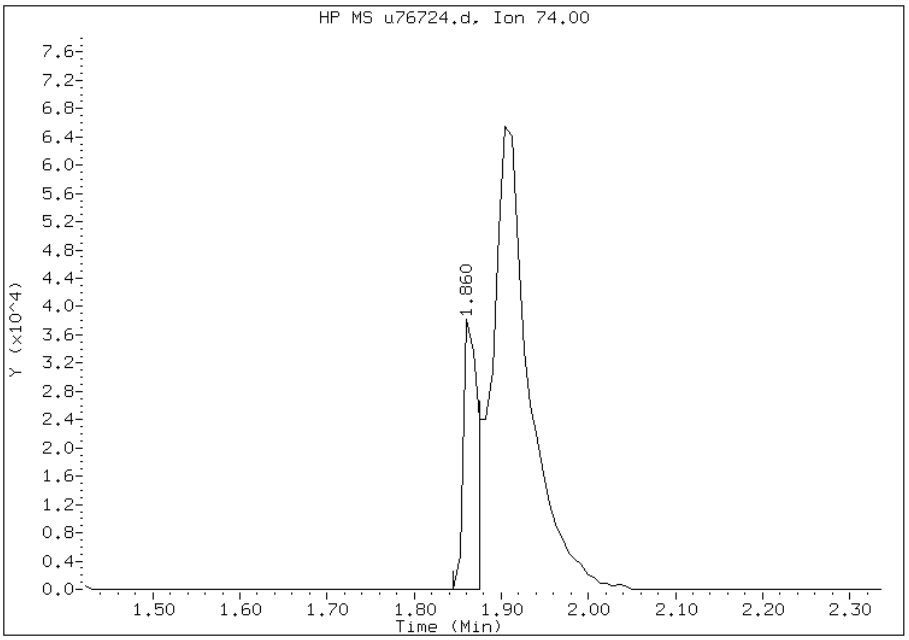
Processing Integration Results

RT: 1.86

Response: 44767

Amount: 40

Conc: 40



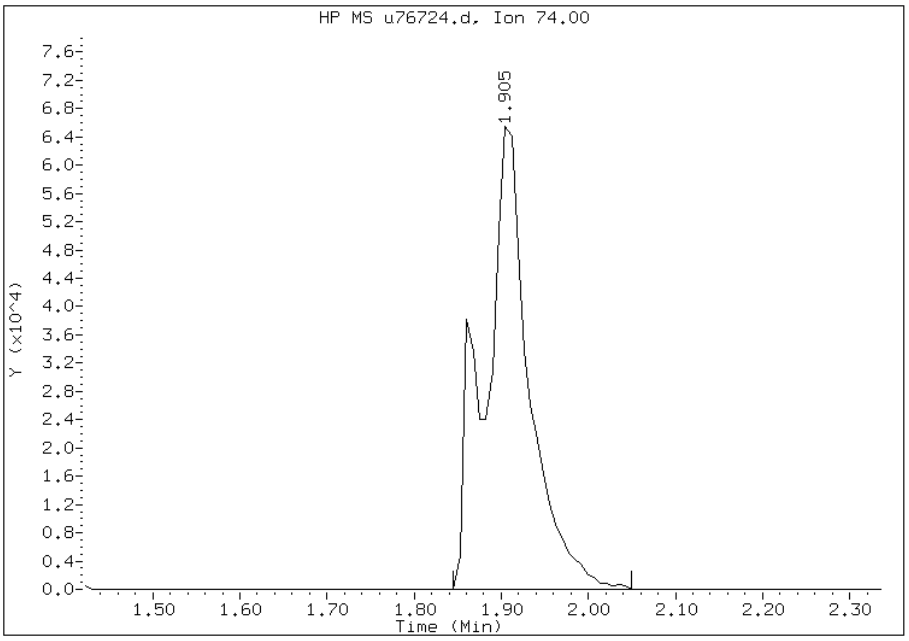
Manual Integration Results

RT: 1.90

Response: 232377

Amount: 127

Conc: 127



Manually Integrated By: wahied
Manual Integration Reason:

Data File: /chem/BNAMS4.i/8270T/05-24-12/24may12.b/u76725.d
Report Date: 24-May-2012 11:16

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS4.i/8270T/05-24-12/24may12.b/u76725.d
Lab Smp Id: IC-1519305
Inj Date : 24-MAY-2012 05:10
Operator : BNAMS 4 Inst ID: BNAMS4.i
Smp Info : IC-1519305
Misc Info :
Comment :
Method : /chem/BNAMS4.i/8270T/05-24-12/24may12.b/8270C_11.m
Meth Date : 24-May-2012 11:16 czhao Quant Type: ISTD
Cal Date : 24-MAY-2012 05:10 Cal File: u76725.d
Als bottle: 3 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * Uf*1000*Vt/(Ws*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
	106 1,4-Dioxane	88	1.604	1.604	(0.373)	61036	80.0000	83
	19 N-Nitrosodimethylamine	74	1.844	1.844	(0.429)	137756	80.0000	86
	71 Pyridine	79	1.873	1.873	(0.436)	213557	80.0000	88
$	16 2-Fluorophenol (SUR)	112	3.009	3.009	(0.700)	186148	80.0000	89
	110 Benzaldehyde	77	3.856	3.856	(0.897)	39471	80.0000	31
	73 Aniline	93	3.975	3.975	(0.924)	315254	80.0000	89(A)
$	17 Phenol-d5 (SUR)	99	3.953	3.953	(0.919)	257111	80.0000	87
	1 Phenol	94	3.968	3.968	(0.923)	291249	80.0000	89
	20 bis(2-Chloroethyl)ether	93	4.042	4.042	(0.940)	185839	80.0000	80
	2 2-Chlorophenol	128	4.101	4.101	(0.954)	160439	80.0000	88
	113 n-decane	43	4.145	4.145	(0.964)	278942	80.0000	80
	21 1,3-Dichlorobenzene	146	4.249	4.249	(0.988)	173917	80.0000	86
*	79 1,4-Dichlorobenzene-d4	152	4.301	4.301	(1.000)	55435	40.0000	

Data File: /chem/BNAMS4.i/8270T/05-24-12/24may12.b/u76725.d
Report Date: 24-May-2012 11:16

							AMOUNTS	
		QUANT SIG					CAL-AMT	ON-COL
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/ml)	(ug/ml)
	22 1,4-Dichlorobenzene	146	4.323	4.323	(1.005)	180369	80.0000	86
	74 Benzyl Alcohol	108	4.454	4.454	(1.036)	133682	80.0000	88
	23 1,2-Dichlorobenzene	146	4.477	4.477	(1.041)	172299	80.0000	86
	24 bis (2-chloroisopropyl) ether	45	4.581	4.581	(1.065)	438629	80.0000	82
	3 2-Methylphenol	108	4.573	4.573	(1.063)	195141	80.0000	89
	104 Acetophenone	105	4.721	4.721	(1.098)	359586	80.0000	86
	25 N-Nitroso-di-n-propylamine	70	4.728	4.728	(1.099)	256080	80.0000	84(M)
	4 4-Methylphenol	108	4.736	4.736	(1.101)	224441	80.0000	89(H)
	123 3 & 4 Methylphenol	108	4.736	4.736	(1.101)	224441	80.0000	89(H)
	26 Hexachloroethane	117	4.816	4.816	(1.120)	110312	80.0000	83
$	76 Nitrobenzene-d5 (SUR)	82	4.875	4.875	(0.871)	335701	80.0000	81
	27 Nitrobenzene	77	4.897	4.897	(0.875)	493173	80.0000	60
	107 N,N-Dimethylaniline	120	4.897	4.897	(1.139)	300796	80.0000	91
	28 Isophorone	82	5.146	5.146	(0.919)	529850	80.0000	80(A)
	5 2-Nitrophenol	139	5.213	5.213	(0.931)	91783	80.0000	84
	6 2,4-Dimethylphenol	122	5.272	5.272	(0.942)	156190	80.0000	87
	29 bis(2-Chloroethoxy)methane	93	5.362	5.362	(0.958)	250217	80.0000	82
	7 2,4-Dichlorophenol	162	5.465	5.465	(0.976)	164357	80.0000	88
	15 Benzoic Acid	122	5.465	5.465	(0.976)	80223	80.0000	69(M)
	30 1,2,4-Trichlorobenzene	180	5.546	5.546	(0.991)	184873	80.0000	83
*	80 Naphthalene-d8	136	5.598	5.598	(1.000)	207809	40.0000	
	31 Naphthalene	128	5.620	5.620	(1.004)	452146	80.0000	83
	32 4-Chloroaniline	127	5.680	5.680	(1.015)	187736	80.0000	83
	33 Hexachlorobutadiene	225	5.754	5.754	(1.028)	138811	80.0000	82
	111 Caprolactam	113	6.115	6.115	(1.092)	52694	80.0000	76(H)
	8 4-Chloro-3-methylphenol	107	6.197	6.197	(1.107)	228110	80.0000	81
	34 2-Methylnaphthalene	142	6.323	6.323	(1.129)	310696	80.0000	89
	120 1-Methylnaphthalene	142	6.419	6.419	(1.147)	302289	80.0000	82
	35 Hexachlorocyclopentadiene	237	6.486	6.486	(0.881)	152815	80.0000	99
	129 1,2,4,5-Tetrachlorobenzene	216	6.494	6.494	(0.882)	236525	80.0000	95
	121 2-tert-Butyl-4-methylphenol	149	6.539	6.539	(1.168)	268645	80.0000	81(A)
	9 2,4,6-Trichlorophenol	196	6.613	6.613	(0.898)	138930	80.0000	91
	10 2,4,5-Trichlorophenol	196	6.658	6.658	(0.904)	142527	80.0000	87
$	77 2-Fluorobiphenyl (SUR)	172	6.695	6.695	(0.909)	407197	80.0000	93
	102 Diphenyl	154	6.799	6.799	(0.923)	437408	80.0000	96
	36 2-Chloronaphthalene	162	6.813	6.813	(0.925)	334342	80.0000	89
	103 Diphenyl Ether	170	6.902	6.902	(0.937)	226858	80.0000	86
	37 2-Nitroaniline	65	6.924	6.924	(0.940)	230885	80.0000	80
	125 1,3-Dimethylnaphthalene	156	7.035	7.035	(0.955)	274374	80.0000	93
	38 Dimethylphthalate	163	7.108	7.108	(0.965)	427682	80.0000	88
	114 Coumarin	146	7.130	7.130	(1.274)	115556	80.0000	81
	40 2,6-Dinitrotoluene	165	7.167	7.167	(0.973)	91715	80.0000	90
	39 Acenaphthylene	152	7.225	7.225	(0.981)	476457	80.0000	84
	41 3-Nitroaniline	138	7.336	7.336	(0.996)	79463	80.0000	82
*	82 Acenaphthene-d10	164	7.365	7.365	(1.000)	136958	40.0000	
	42 Acenaphthene	154	7.402	7.402	(1.005)	345428	80.0000	93
	122 2,6-Di-tert-butyl-p-cresol	205	7.394	7.394	(1.004)	364195	80.0000	90

Data File: /chem/BNAMS4.i/8270T/05-24-12/24may12.b/u76725.d
Report Date: 24-May-2012 11:16

		QUANT SIG					AMOUNTS CAL-AMT	ON-COL
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/ml)	(ug/ml)
	11 2,4-Dinitrophenol	184	7.439	7.439	(1.010)	75991	80.0000	91
	12 4-Nitrophenol	65	7.513	7.513	(1.020)	177089	80.0000	85
	43 Dibenzofuran	168	7.573	7.573	(1.028)	522686	80.0000	92
	44 2,4-Dinitrotoluene	165	7.565	7.565	(1.027)	147931	80.0000	87
	130 2,3,4,6-Tetrachlorophenol	232	7.697	7.697	(1.045)	109770	80.0000	91
	45 Diethylphthalate	149	7.809	7.809	(1.060)	440746	80.0000	84
	47 Fluorene	166	7.911	7.911	(1.074)	469741	80.0000	95
	46 4-Chlorophenyl-phenylether	204	7.911	7.911	(1.074)	264803	80.0000	96
	48 4-Nitroaniline	138	7.963	7.963	(1.081)	78311	80.0000	78
	13 4,6-Dinitro-2-methylphenol	198	7.978	7.978	(0.902)	90291	80.0000	86
	49 N-Nitrosodiphenylamine	169	8.037	8.037	(0.909)	274224	80.0000	94
	75 1,2-Diphenylhydrazine	77	8.074	8.074	(0.913)	810653	80.0000	87
$	18 2,4,6-Tribromophenol (SUR)	330	8.156	8.156	(1.107)	84623	80.0000	90
	50 4-Bromophenyl-phenylether	248	8.392	8.392	(0.949)	116004	80.0000	92
	51 Hexachlorobenzene	284	8.466	8.466	(0.957)	145184	80.0000	93
	112 Atrazine	200	8.577	8.577	(0.970)	126998	80.0000	86
	14 Pentachlorophenol	266	8.657	8.657	(0.979)	94564	80.0000	91
	132 Pentachloronitrobenzene	237	8.672	8.672	(0.981)	80540	80.0000	88
	115 n-Octadecane	57	8.739	8.739	(0.988)	439562	80.0000	90
*	83 Phenanthrene-d10	188	8.842	8.842	(1.000)	233122	40.0000	
	52 Phenanthrene	178	8.865	8.865	(1.003)	558411	80.0000	90
	53 Anthracene	178	8.917	8.917	(1.008)	582011	80.0000	90
	54 Carbazole	167	9.072	9.072	(1.026)	453560	80.0000	86
	55 Di-n-butylphthalate	149	9.417	9.417	(1.065)	708216	80.0000	85
	56 Fluoranthene	202	10.033	10.033	(1.135)	608720	80.0000	86
	58 Benzidine	184	10.157	10.157	(1.149)	53078	80.0000	34
	57 Pyrene	202	10.259	10.259	(0.883)	590982	80.0000	86
$	78 Terphenyl-d14	244	10.415	10.415	(0.897)	390505	80.0000	92
	59 Butylbenzylphthalate	149	10.944	10.944	(0.942)	272344	80.0000	80
	124 Carbamazepine	193	11.076	11.076	(0.954)	203186	80.0000	79
	60 3,3'-Dichlorobenzidine	252	11.568	11.568	(0.996)	102852	80.0000	71
	61 Benzo(a)anthracene	228	11.598	11.598	(0.999)	408479	80.0000	82
*	81 Chrysene-d12	240	11.613	11.613	(1.000)	178556	40.0000	
	63 bis(2-Ethylhexyl)phthalate	149	11.635	11.635	(1.002)	390340	80.0000	84
	62 Chrysene	228	11.650	11.650	(1.003)	394312	80.0000	85
	64 Di-n-octylphthalate	149	12.488	12.488	(0.923)	570966	80.0000	79
	65 Benzo(b)fluoranthene	252	13.008	13.008	(0.961)	327841	80.0000	85
	66 Benzo(k)fluoranthene	252	13.052	13.052	(0.965)	287508	80.0000	75
	67 Benzo(a)pyrene	252	13.455	13.455	(0.995)	265503	80.0000	84
*	84 Perylene-d12	264	13.529	13.529	(1.000)	117408	40.0000	
	68 Indeno(1,2,3-cd)pyrene	276	15.062	15.062	(1.113)	272155	80.0000	91
	69 Dibenz(a,h)anthracene	278	15.092	15.092	(1.116)	260952	80.0000	90
	70 Benzo(g,h,i)perylene	276	15.486	15.486	(1.145)	268280	80.0000	86

Data File: /chem/BNAMS4.i/8270T/05-24-12/24may12.b/u76725.d
Report Date: 24-May-2012 11:16

QC Flag Legend

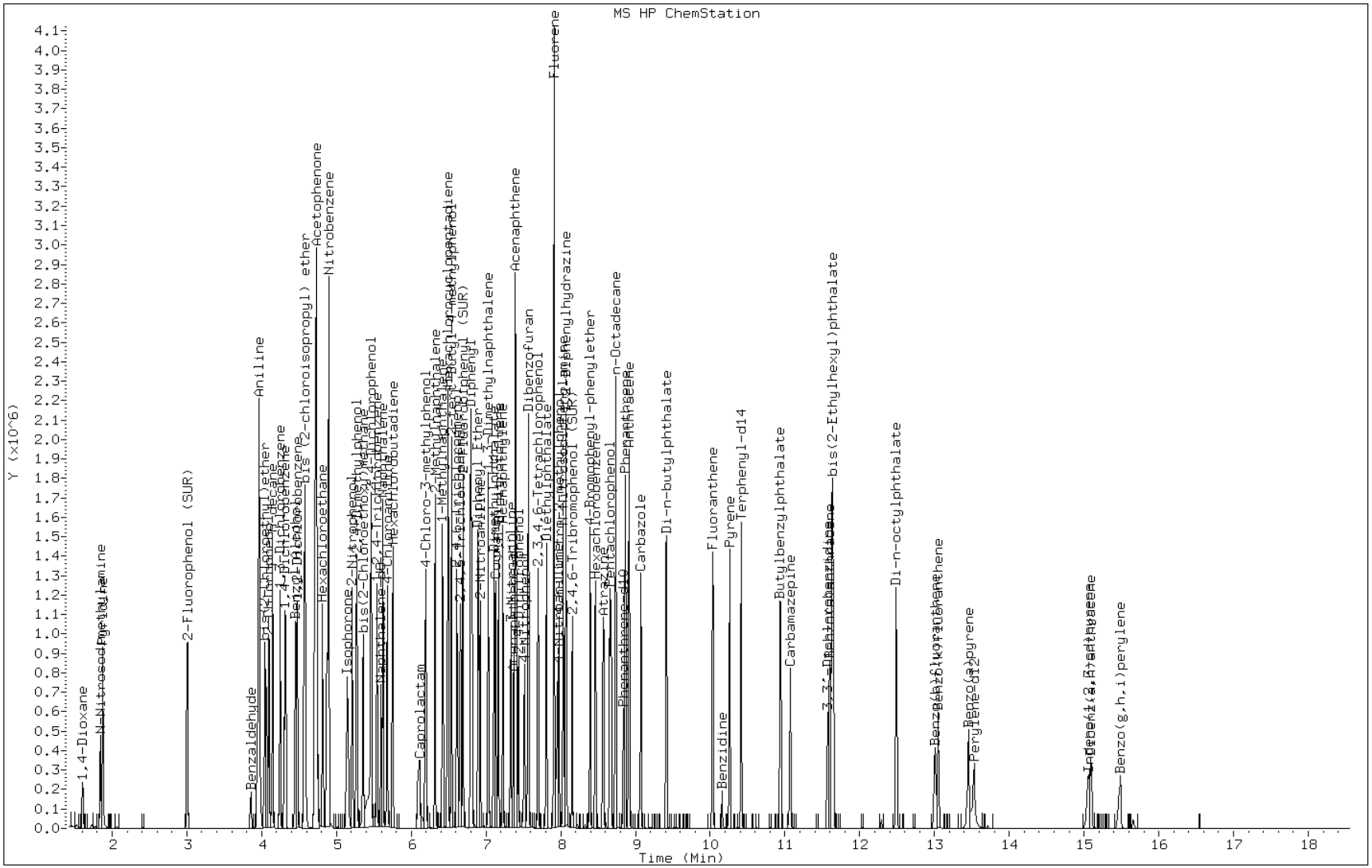
A - Target compound detected but, quantitated amount
    exceeded maximum amount.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: u76725.d

Date: 24-MAY-2012 05:10

Client ID: Instrument: BNAMS4.i

Sample Info: IC-1519305 Operator: BNAMS 4



Manual Integration Report

Data File: u76725.d
Inj. Date and Time: 24-MAY-2012 05:10
Instrument ID: BNAMS4.i
Client ID:
Compound: 25 N-Nitroso-di-n-propylamine
CAS #: 621-64-7
Report Date: 05/24/2012

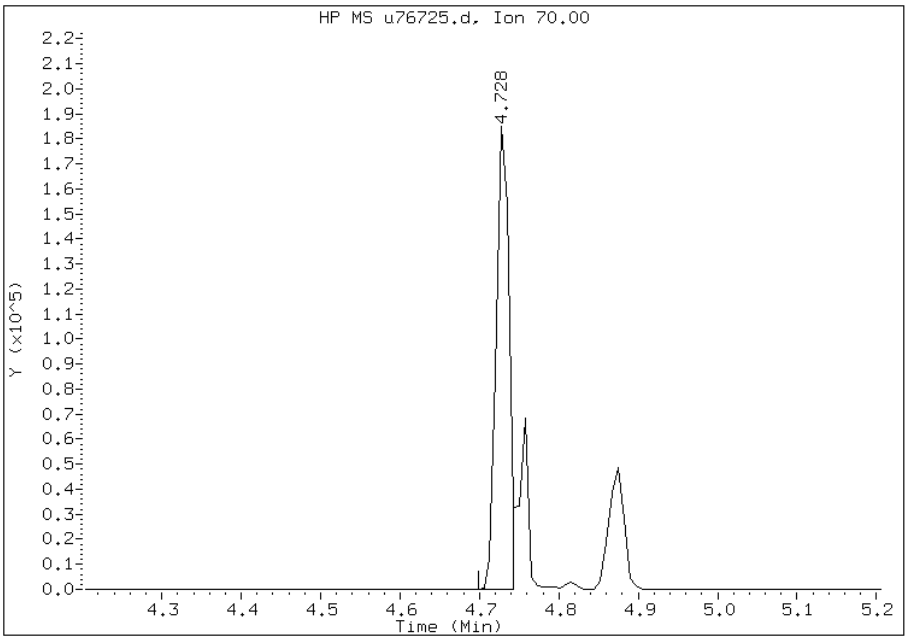
Processing Integration Results

RT: 4.73

Response: 210957

Amount: 70

Conc: 70



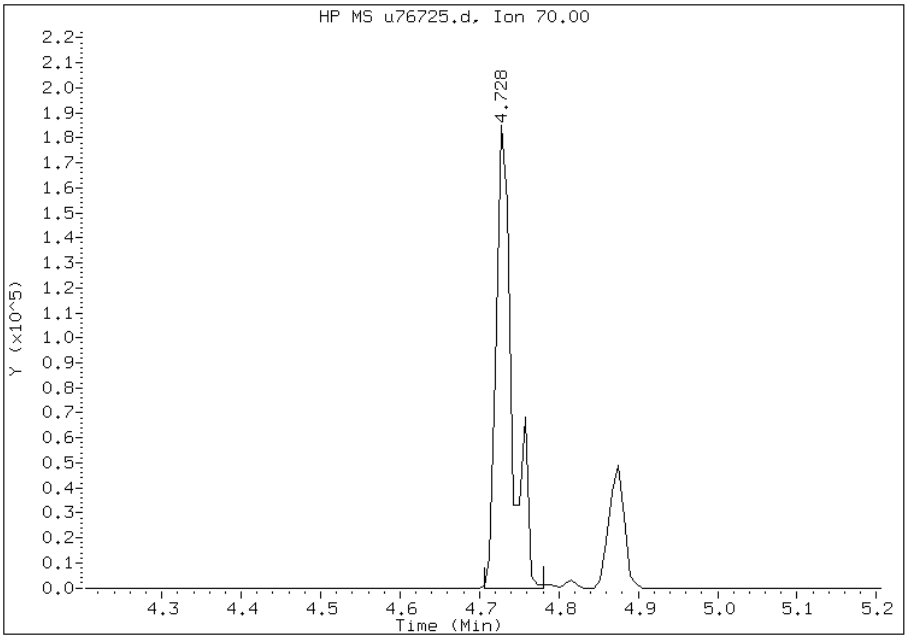
Manual Integration Results

RT: 4.73

Response: 256080

Amount: 84

Conc: 84



Manually Integrated By: wahied
Manual Integration Reason:

Manual Integration Report

Data File: u76725.d
Inj. Date and Time: 24-MAY-2012 05:10
Instrument ID: BNAMS4.i
Client ID:
Compound: 15 Benzoic Acid
CAS #: 65-85-0
Report Date: 05/24/2012

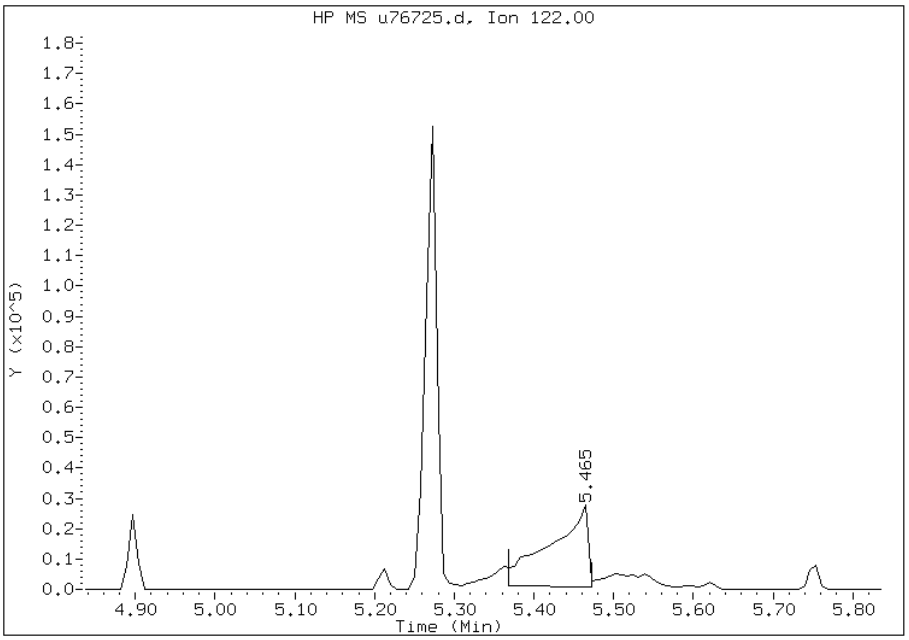
Processing Integration Results

RT: 5.47

Response: 88944

Amount: 124

Conc: 124



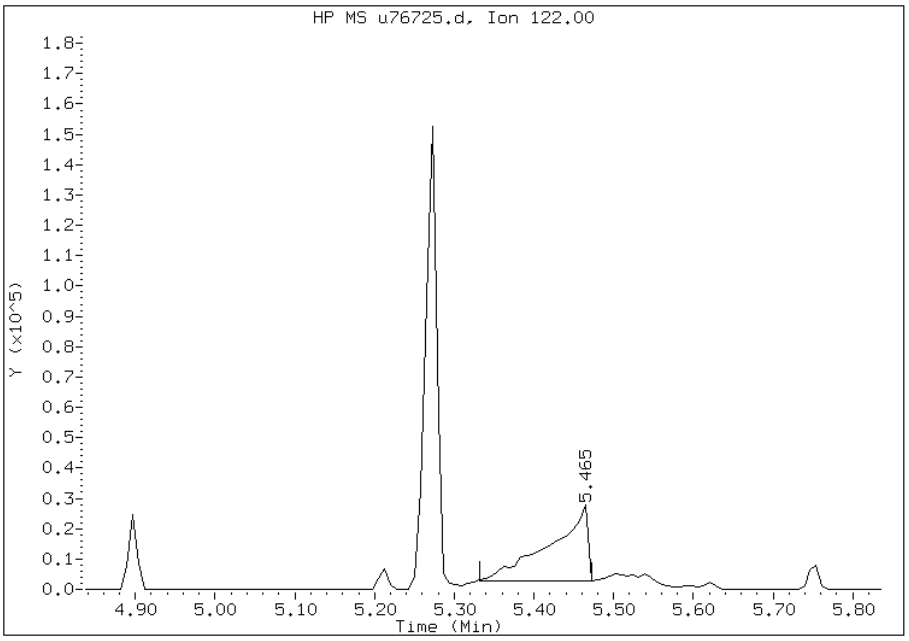
Manual Integration Results

RT: 5.47

Response: 80223

Amount: 69

Conc: 69



Manually Integrated By: wahied
Manual Integration Reason:

Data File: /chem/BNAMS4.i/8270T/05-24-12/24may12.b/u76726.d
Report Date: 24-May-2012 11:17

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS4.i/8270T/05-24-12/24may12.b/u76726.d
Lab Smp Id: IC-1519303
Inj Date : 24-MAY-2012 05:33
Operator : BNAMS 4 Inst ID: BNAMS4.i
Smp Info : IC-1519303
Misc Info :
Comment :
Method : /chem/BNAMS4.i/8270T/05-24-12/24may12.b/8270C_11.m
Meth Date : 24-May-2012 11:17 czhao Quant Type: ISTD
Cal Date : 24-MAY-2012 05:33 Cal File: u76726.d
Als bottle: 4 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * Uf*1000*Vt/(Ws*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
	106 1,4-Dioxane	88	1.597	1.597	(0.372)	18316	20.0000	22
	19 N-Nitrosodimethylamine	74	1.825	1.825	(0.425)	36886	20.0000	20
	71 Pyridine	79	1.854	1.854	(0.432)	56434	20.0000	20
$	16 2-Fluorophenol (SUR)	112	2.995	2.995	(0.697)	45297	20.0000	19
	110 Benzaldehyde	77	3.847	3.847	(0.896)	31331	20.0000	21
	73 Aniline	93	3.964	3.964	(0.923)	78024	20.0000	19
$	17 Phenol-d5 (SUR)	99	3.926	3.926	(0.914)	67384	20.0000	20
	1 Phenol	94	3.941	3.941	(0.918)	69816	20.0000	19
	20 bis(2-Chloroethyl)ether	93	4.030	4.030	(0.938)	50846	20.0000	19
	2 2-Chlorophenol	128	4.082	4.082	(0.950)	41146	20.0000	20
	113 n-decane	43	4.141	4.141	(0.964)	81691	20.0000	20
	21 1,3-Dichlorobenzene	146	4.244	4.244	(0.988)	44740	20.0000	19
*	79 1,4-Dichlorobenzene-d4	152	4.295	4.295	(1.000)	63018	40.0000	

Data File: /chem/BNAMS4.i/8270T/05-24-12/24may12.b/u76726.d
Report Date: 24-May-2012 11:17

		QUANT SIG					AMOUNTS CAL-AMT	ON-COL
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/ml)	(ug/ml)
	22 1,4-Dichlorobenzene	146	4.317	4.317	(1.005)	45837	20.0000	19
	74 Benzyl Alcohol	108	4.433	4.433	(1.032)	32502	20.0000	19(H)
	23 1,2-Dichlorobenzene	146	4.470	4.470	(1.041)	44020	20.0000	19
	24 bis (2-chloroisopropyl) ether	45	4.573	4.573	(1.065)	120322	20.0000	20
	3 2-Methylphenol	108	4.558	4.558	(1.061)	48495	20.0000	20
	104 Acetophenone	105	4.712	4.712	(1.097)	96011	20.0000	20
	25 N-Nitroso-di-n-propylamine	70	4.712	4.712	(1.097)	71060	20.0000	20
	4 4-Methylphenol	108	4.712	4.712	(1.097)	57646	20.0000	20
	123 3 & 4 Methylphenol	108	4.712	4.712	(1.097)	57646	20.0000	20
	26 Hexachloroethane	117	4.814	4.814	(1.121)	30276	20.0000	20
$	76 Nitrobenzene-d5 (SUR)	82	4.859	4.859	(0.869)	90588	20.0000	18
	27 Nitrobenzene	77	4.881	4.881	(0.873)	138197	20.0000	14
	107 N,N-Dimethylaniline	120	4.888	4.888	(1.138)	77668	20.0000	21
	28 Isophorone	82	5.122	5.122	(0.916)	147357	20.0000	19
	5 2-Nitrophenol	139	5.203	5.203	(0.930)	26584	20.0000	21
	6 2,4-Dimethylphenol	122	5.261	5.261	(0.941)	40120	20.0000	19
	29 bis(2-Chloroethoxy)methane	93	5.349	5.349	(0.956)	66748	20.0000	19
	7 2,4-Dichlorophenol	162	5.453	5.453	(0.975)	41603	20.0000	19
	15 Benzoic Acid	122	5.386	5.386	(0.963)	29260	20.0000	22(MH)
	30 1,2,4-Trichlorobenzene	180	5.535	5.535	(0.989)	46980	20.0000	18
*	80 Naphthalene-d8	136	5.594	5.594	(1.000)	243528	40.0000	
	31 Naphthalene	128	5.616	5.616	(1.004)	114928	20.0000	18
	32 4-Chloroaniline	127	5.667	5.667	(1.013)	48249	20.0000	18
	33 Hexachlorobutadiene	225	5.748	5.748	(1.027)	35305	20.0000	18
	111 Caprolactam	113	6.032	6.032	(1.078)	15038	20.0000	19(H)
	8 4-Chloro-3-methylphenol	107	6.181	6.181	(1.105)	65234	20.0000	20
	34 2-Methylnaphthalene	142	6.312	6.312	(1.128)	74684	20.0000	18
	120 1-Methylnaphthalene	142	6.416	6.416	(1.147)	77120	20.0000	18
	35 Hexachlorocyclopentadiene	237	6.483	6.483	(0.880)	35312	20.0000	18
	129 1,2,4,5-Tetrachlorobenzene	216	6.490	6.490	(0.881)	60842	20.0000	19
	121 2-tert-Butyl-4-methylphenol	149	6.528	6.528	(1.167)	73768	20.0000	19
	9 2,4,6-Trichlorophenol	196	6.609	6.609	(0.897)	36513	20.0000	19
	10 2,4,5-Trichlorophenol	196	6.646	6.646	(0.902)	41821	20.0000	20
$	77 2-Fluorobiphenyl (SUR)	172	6.690	6.690	(0.908)	99287	20.0000	18
	102 Diphenyl	154	6.786	6.786	(0.921)	102032	20.0000	18
	36 2-Chloronaphthalene	162	6.801	6.801	(0.924)	85840	20.0000	18
	103 Diphenyl Ether	170	6.888	6.888	(0.935)	60643	20.0000	18
	37 2-Nitroaniline	65	6.910	6.910	(0.938)	83724	20.0000	23
	125 1,3-Dimethylnaphthalene	156	7.027	7.027	(0.954)	68819	20.0000	18
	38 Dimethylphthalate	163	7.092	7.092	(0.963)	121155	20.0000	19
	114 Coumarin	146	7.115	7.115	(1.272)	35097	20.0000	21
	40 2,6-Dinitrotoluene	165	7.152	7.152	(0.971)	29245	20.0000	22
	39 Acenaphthylene	152	7.218	7.218	(0.980)	131134	20.0000	18
	41 3-Nitroaniline	138	7.321	7.321	(0.994)	24984	20.0000	20
*	82 Acenaphthene-d10	164	7.364	7.364	(1.000)	174713	40.0000	
	42 Acenaphthene	154	7.394	7.394	(1.004)	84380	20.0000	18
	122 2,6-Di-tert-butyl-p-cresol	205	7.387	7.387	(1.003)	99445	20.0000	19

Data File: /chem/BNAMS4.i/8270T/05-24-12/24may12.b/u76726.d
Report Date: 24-May-2012 11:17

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
	11 2,4-Dinitrophenol	184	7.423	7.423	(1.008)	32114	30.0000	30
	12 4-Nitrophenol	65	7.498	7.498	(1.018)	85361	30.0000	32
	43 Dibenzofuran	168	7.563	7.563	(1.027)	128484	20.0000	18
	44 2,4-Dinitrotoluene	165	7.548	7.548	(1.025)	40120	20.0000	18
	130 2,3,4,6-Tetrachlorophenol	232	7.689	7.689	(1.044)	28644	20.0000	19
	45 Diethylphthalate	149	7.800	7.800	(1.059)	128640	20.0000	19
	47 Fluorene	166	7.903	7.903	(1.073)	110664	20.0000	18
	46 4-Chlorophenyl-phenylether	204	7.903	7.903	(1.073)	63010	20.0000	18
	48 4-Nitroaniline	138	7.933	7.933	(1.077)	28846	20.0000	22
	13 4,6-Dinitro-2-methylphenol	198	7.963	7.963	(0.902)	42357	30.0000	28
	49 N-Nitrosodiphenylamine	169	8.022	8.022	(0.908)	77663	20.0000	19
	75 1,2-Diphenylhydrazine	77	8.066	8.066	(0.913)	248145	20.0000	19
$	18 2,4,6-Tribromophenol (SUR)	330	8.145	8.145	(1.106)	23567	20.0000	20
	50 4-Bromophenyl-phenylether	248	8.385	8.385	(0.949)	32187	20.0000	18
	51 Hexachlorobenzene	284	8.458	8.458	(0.958)	41178	20.0000	19
	112 Atrazine	200	8.561	8.561	(0.969)	39870	20.0000	19
	14 Pentachlorophenol	266	8.648	8.648	(0.979)	39728	30.0000	27
	132 Pentachloronitrobenzene	237	8.663	8.663	(0.981)	25908	20.0000	20
	115 n-Octadecane	57	8.730	8.730	(0.988)	123344	20.0000	18
*	83 Phenanthrene-d10	188	8.832	8.832	(1.000)	331159	40.0000	
	52 Phenanthrene	178	8.854	8.854	(1.003)	158457	20.0000	18
	53 Anthracene	178	8.905	8.905	(1.008)	160493	20.0000	17
	54 Carbazole	167	9.061	9.061	(1.026)	134499	20.0000	18
	55 Di-n-butylphthalate	149	9.410	9.410	(1.065)	222400	20.0000	19
	56 Fluoranthene	202	10.028	10.028	(1.135)	189708	20.0000	19
	58 Benzidine	184	10.154	10.154	(1.150)	79963	30.0000	36
	57 Pyrene	202	10.250	10.250	(0.883)	179978	20.0000	19
$	78 Terphenyl-d14	244	10.410	10.410	(0.897)	106022	20.0000	18
	59 Butylbenzylphthalate	149	10.933	10.933	(0.942)	90790	20.0000	19
	124 Carbamazepine	193	11.058	11.058	(0.953)	71524	20.0000	20
	60 3,3'-Dichlorobenzidine	252	11.564	11.564	(0.997)	65584	30.0000	32
	61 Benzo(a)anthracene	228	11.586	11.586	(0.999)	129129	20.0000	18
*	81 Chrysene-d12	240	11.602	11.602	(1.000)	252440	40.0000	
	63 bis(2-Ethylhexyl)phthalate	149	11.624	11.624	(1.002)	117104	20.0000	18
	62 Chrysene	228	11.632	11.632	(1.003)	121235	20.0000	18
	64 Di-n-octylphthalate	149	12.481	12.481	(0.923)	185036	20.0000	20
	65 Benzo(b)fluoranthene	252	12.994	12.994	(0.961)	97267	20.0000	19
	66 Benzo(k)fluoranthene	252	13.031	13.031	(0.964)	96923	20.0000	19
	67 Benzo(a)pyrene	252	13.436	13.436	(0.993)	77965	20.0000	19
*	84 Perylene-d12	264	13.524	13.524	(1.000)	153824	40.0000	
	68 Indeno(1,2,3-cd)pyrene	276	15.026	15.026	(1.111)	72684	20.0000	19
	69 Dibenz(a,h)anthracene	278	15.062	15.062	(1.114)	70336	20.0000	18
	70 Benzo(g,h,i)perylene	276	15.449	15.449	(1.142)	70764	20.0000	17

Data File: /chem/BNAMS4.i/8270T/05-24-12/24may12.b/u76726.d
Report Date: 24-May-2012 11:17

QC Flag Legend

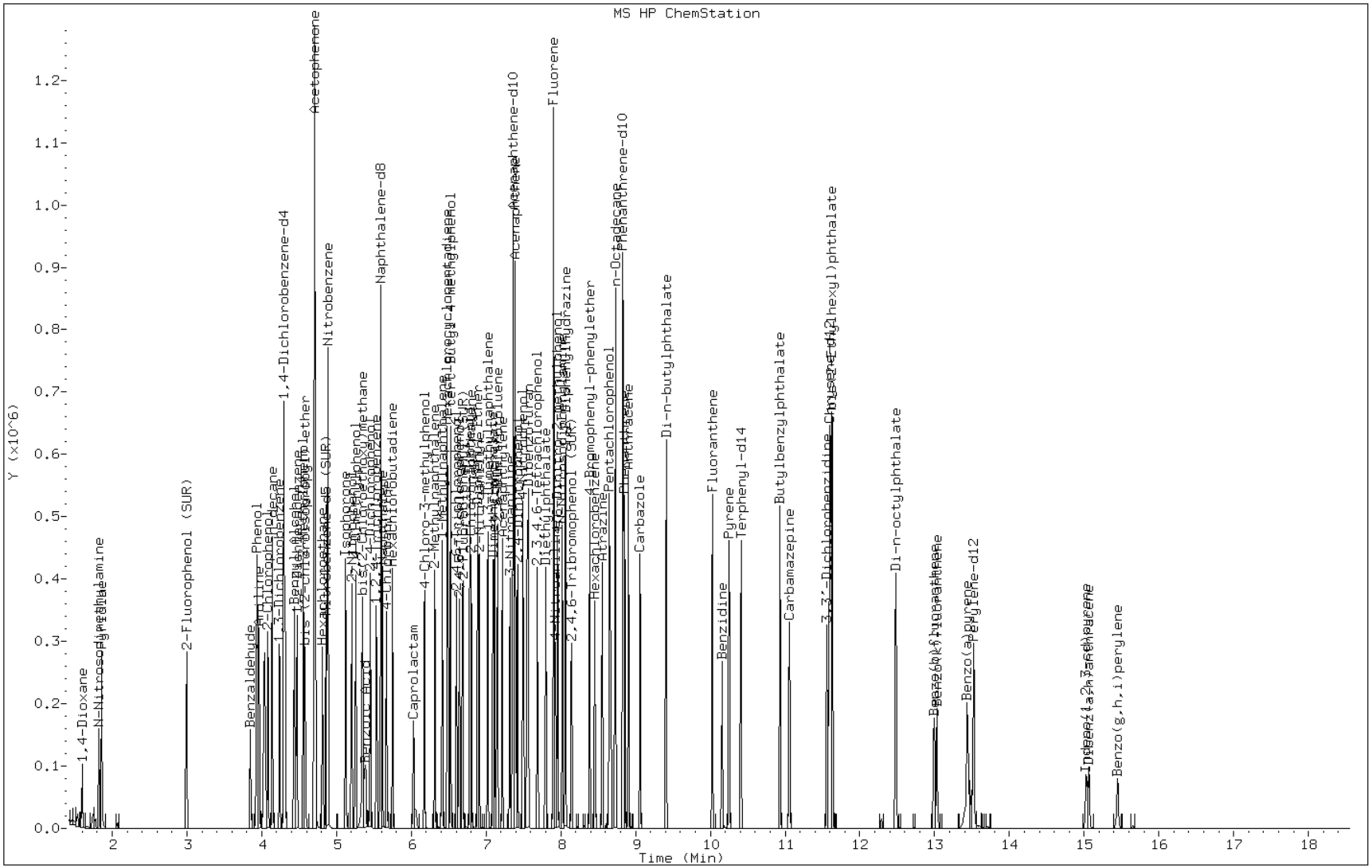
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: u76726.d

Date: 24-MAY-2012 05:33

Client ID: Instrument: BNAMS4.i

Sample Info: IC-1519303 Operator: BNAMS 4



Manual Integration Report

Data File: u76726.d
Inj. Date and Time: 24-MAY-2012 05:33
Instrument ID: BNAMS4.i
Client ID:
Compound: 15 Benzoic Acid
CAS #: 65-85-0
Report Date: 05/24/2012

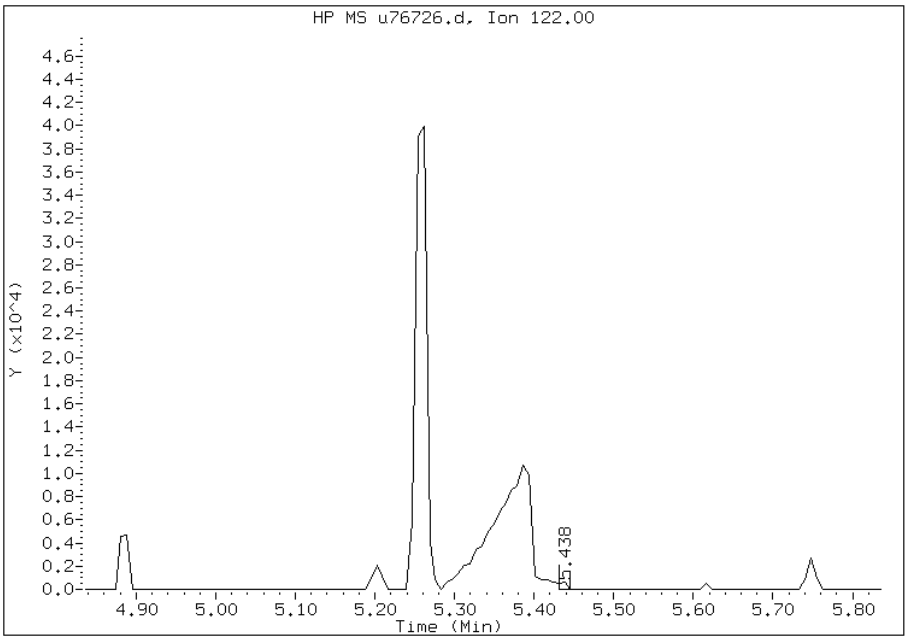
Processing Integration Results

RT: 5.44

Response: 511

Amount: 1

Conc: 1



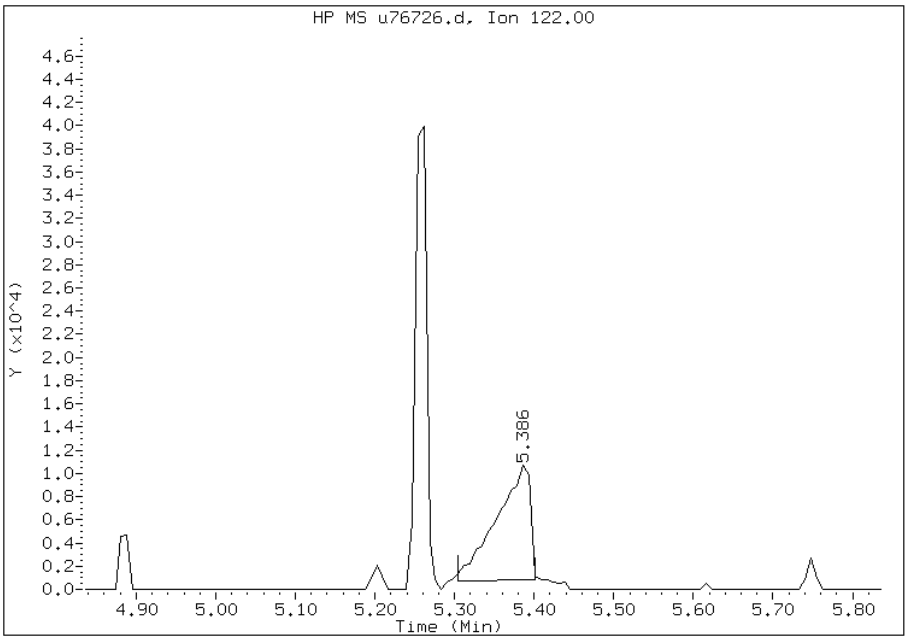
Manual Integration Results

RT: 5.39

Response: 29260

Amount: 22

Conc: 22



Manually Integrated By: wahied
Manual Integration Reason:

Data File: /chem/BNAMS4.i/8270T/05-24-12/24may12.b/u76727.d
Report Date: 24-May-2012 11:17

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS4.i/8270T/05-24-12/24may12.b/u76727.d
Lab Smp Id: IC-1519302
Inj Date : 24-MAY-2012 05:56
Operator : BNAMS 4 Inst ID: BNAMS4.i
Smp Info : IC-1519302
Misc Info :
Comment :
Method : /chem/BNAMS4.i/8270T/05-24-12/24may12.b/8270C_11.m
Meth Date : 24-May-2012 11:17 czhao Quant Type: ISTD
Cal Date : 24-MAY-2012 05:56 Cal File: u76727.d
Als bottle: 5 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * Uf*1000*Vt/(Ws*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
	106 1,4-Dioxane	88	1.598	1.598	(0.372)	8301	10.0000	9.5
	19 N-Nitrosodimethylamine	74	1.818	1.818	(0.423)	18189	10.0000	9.5
	71 Pyridine	79	1.854	1.854	(0.431)	27579	10.0000	9.5
$	16 2-Fluorophenol (SUR)	112	2.991	2.991	(0.696)	22879	10.0000	9.1
	110 Benzaldehyde	77	3.849	3.849	(0.895)	15905	10.0000	10
	73 Aniline	93	3.959	3.959	(0.921)	37630	10.0000	8.9
$	17 Phenol-d5 (SUR)	99	3.922	3.922	(0.912)	31117	10.0000	8.8
	1 Phenol	94	3.937	3.937	(0.916)	33541	10.0000	8.5
	20 bis(2-Chloroethyl)ether	93	4.026	4.026	(0.936)	26783	10.0000	9.6
	2 2-Chlorophenol	128	4.085	4.085	(0.950)	20044	10.0000	9.1
	113 n-decane	43	4.137	4.137	(0.962)	39208	10.0000	9.4
	21 1,3-Dichlorobenzene	146	4.240	4.240	(0.986)	21869	10.0000	9.0
*	79 1,4-Dichlorobenzene-d4	152	4.299	4.299	(1.000)	66442	40.0000	

Data File: /chem/BNAMS4.i/8270T/05-24-12/24may12.b/u76727.d
Report Date: 24-May-2012 11:17

							AMOUNTS	
		QUANT SIG					CAL-AMT	ON-COL
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/ml)	(ug/ml)
	22 1,4-Dichlorobenzene	146	4.314	4.314	(1.003)	22696	10.0000	9.0
	74 Benzyl Alcohol	108	4.431	4.431	(1.031)	16994	10.0000	9.3(H)
	23 1,2-Dichlorobenzene	146	4.467	4.467	(1.039)	20367	10.0000	8.5
	24 bis (2-chloroisopropyl) ether	45	4.577	4.577	(1.065)	60233	10.0000	9.4
	3 2-Methylphenol	108	4.555	4.555	(1.060)	23576	10.0000	9.0
	104 Acetophenone	105	4.701	4.701	(1.094)	47115	10.0000	9.4
	25 N-Nitroso-di-n-propylamine	70	4.709	4.709	(1.095)	34697	10.0000	9.5
	4 4-Methylphenol	108	4.709	4.709	(1.095)	28225	10.0000	9.4
	123 3 & 4 Methylphenol	108	4.709	4.709	(1.095)	28225	10.0000	9.4
	26 Hexachloroethane	117	4.811	4.811	(1.119)	14815	10.0000	9.3
$	76 Nitrobenzene-d5 (SUR)	82	4.856	4.856	(0.869)	46868	10.0000	9.8
	27 Nitrobenzene	77	4.878	4.878	(0.873)	67005	10.0000	7.1
	107 N,N-Dimethylaniline	120	4.886	4.886	(1.136)	35026	10.0000	8.8
	28 Isophorone	82	5.120	5.120	(0.916)	73962	10.0000	9.8
	5 2-Nitrophenol	139	5.200	5.200	(0.930)	12358	10.0000	9.9
	6 2,4-Dimethylphenol	122	5.252	5.252	(0.940)	19096	10.0000	9.2
	29 bis(2-Chloroethoxy)methane	93	5.347	5.347	(0.957)	33880	10.0000	9.7
	7 2,4-Dichlorophenol	162	5.451	5.451	(0.975)	19040	10.0000	8.9
	15 Benzoic Acid	122	5.355	5.355	(0.958)	15823	10.0000	12(H)
	30 1,2,4-Trichlorobenzene	180	5.539	5.539	(0.991)	22707	10.0000	8.9
*	80 Naphthalene-d8	136	5.590	5.590	(1.000)	238549	40.0000	
	31 Naphthalene	128	5.611	5.611	(1.004)	58810	10.0000	9.4
	32 4-Chloroaniline	127	5.670	5.670	(1.014)	24673	10.0000	9.5
	33 Hexachlorobutadiene	225	5.752	5.752	(1.029)	17299	10.0000	8.9
	111 Caprolactam	113	6.015	6.015	(1.076)	8652	10.0000	11(H)
	8 4-Chloro-3-methylphenol	107	6.169	6.169	(1.104)	33051	10.0000	10
	34 2-Methylnaphthalene	142	6.314	6.314	(1.130)	36131	10.0000	9.0
	120 1-Methylnaphthalene	142	6.411	6.411	(1.147)	39001	10.0000	9.2(a)
	35 Hexachlorocyclopentadiene	237	6.477	6.477	(0.880)	15258	10.0000	7.4
	129 1,2,4,5-Tetrachlorobenzene	216	6.485	6.485	(0.881)	26303	10.0000	7.8
	121 2-tert-Butyl-4-methylphenol	149	6.521	6.521	(1.167)	34672	10.0000	9.1
	9 2,4,6-Trichlorophenol	196	6.602	6.602	(0.897)	17818	10.0000	8.7
	10 2,4,5-Trichlorophenol	196	6.640	6.640	(0.902)	19698	10.0000	8.9
$	77 2-Fluorobiphenyl (SUR)	172	6.684	6.684	(0.908)	48046	10.0000	8.1
	102 Diphenyl	154	6.787	6.787	(0.922)	48877	10.0000	7.9
	36 2-Chloronaphthalene	162	6.802	6.802	(0.924)	42710	10.0000	8.4
	103 Diphenyl Ether	170	6.891	6.891	(0.936)	31235	10.0000	8.7
	37 2-Nitroaniline	65	6.905	6.905	(0.938)	41104	10.0000	10
	125 1,3-Dimethylnaphthalene	156	7.022	7.022	(0.954)	32824	10.0000	8.3
	38 Dimethylphthalate	163	7.089	7.089	(0.963)	59711	10.0000	9.1
	114 Coumarin	146	7.111	7.111	(1.272)	16144	10.0000	9.8
	40 2,6-Dinitrotoluene	165	7.148	7.148	(0.971)	13331	10.0000	9.7
	39 Acenaphthylene	152	7.214	7.214	(0.980)	63418	10.0000	8.3
	41 3-Nitroaniline	138	7.317	7.317	(0.994)	12287	10.0000	9.4(a)
*	82 Acenaphthene-d10	164	7.360	7.360	(1.000)	184923	40.0000	
	42 Acenaphthene	154	7.389	7.389	(1.004)	37491	10.0000	7.5
	122 2,6-Di-tert-butyl-p-cresol	205	7.382	7.382	(1.003)	45456	10.0000	8.3

Data File: /chem/BNAMS4.i/8270T/05-24-12/24may12.b/u76727.d
Report Date: 24-May-2012 11:17

		QUANT SIG					AMOUNTS	
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
	==========	====	==	======	======	========	=======	=======
	11 2,4-Dinitrophenol	184	7.418	7.418	(1.008)	20391	20.0000	18
	12 4-Nitrophenol	65	7.493	7.493	(1.018)	51920	20.0000	18
	43 Dibenzofuran	168	7.558	7.558	(1.027)	61912	10.0000	8.0
	44 2,4-Dinitrotoluene	165	7.544	7.544	(1.025)	20307	10.0000	8.8
	130 2,3,4,6-Tetrachlorophenol	232	7.684	7.684	(1.044)	14307	10.0000	8.8
	45 Diethylphthalate	149	7.793	7.793	(1.059)	65627	10.0000	9.2
	47 Fluorene	166	7.904	7.904	(1.074)	52197	10.0000	7.8
	46 4-Chlorophenyl-phenylether	204	7.904	7.904	(1.074)	29890	10.0000	8.0
	48 4-Nitroaniline	138	7.918	7.918	(1.076)	14564	10.0000	11
	13 4,6-Dinitro-2-methylphenol	198	7.956	7.956	(0.900)	26879	20.0000	18
	49 N-Nitrosodiphenylamine	169	8.022	8.022	(0.908)	34933	10.0000	8.3
	75 1,2-Diphenylhydrazine	77	8.058	8.058	(0.912)	125071	10.0000	9.3
$	18 2,4,6-Tribromophenol (SUR)	330	8.139	8.139	(1.106)	11491	10.0000	9.0
	50 4-Bromophenyl-phenylether	248	8.388	8.388	(0.949)	14696	10.0000	8.1
	51 Hexachlorobenzene	284	8.454	8.454	(0.957)	20358	10.0000	9.1
	112 Atrazine	200	8.548	8.548	(0.967)	19822	10.0000	9.4
	14 Pentachlorophenol	266	8.645	8.645	(0.978)	24892	20.0000	16
	132 Pentachloronitrobenzene	237	8.660	8.660	(0.980)	12593	10.0000	9.5
	115 n-Octadecane	57	8.726	8.726	(0.988)	62427	10.0000	8.9
*	83 Phenanthrene-d10	188	8.836	8.836	(1.000)	335744	40.0000	
	52 Phenanthrene	178	8.851	8.851	(1.002)	78005	10.0000	8.8
	53 Anthracene	178	8.903	8.903	(1.008)	80005	10.0000	8.6
	54 Carbazole	167	9.058	9.058	(1.025)	65988	10.0000	8.7
	55 Di-n-butylphthalate	149	9.408	9.408	(1.065)	108413	10.0000	9.0
	56 Fluoranthene	202	10.025	10.025	(1.135)	86197	10.0000	8.4
	58 Benzidine	184	10.158	10.158	(1.149)	62367	20.0000	28
	57 Pyrene	202	10.246	10.246	(0.883)	88810	10.0000	9.6
$	78 Terphenyl-d14	244	10.406	10.406	(0.897)	51669	10.0000	8.9
	59 Butylbenzylphthalate	149	10.928	10.928	(0.942)	47096	10.0000	10
	124 Carbamazepine	193	11.052	11.052	(0.952)	32105	10.0000	9.3
	60 3,3'-Dichlorobenzidine	252	11.559	11.559	(0.996)	43540	20.0000	22
	61 Benzo(a)anthracene	228	11.582	11.582	(0.998)	67191	10.0000	9.9
*	81 Chrysene-d12	240	11.604	11.604	(1.000)	241825	40.0000	
	63 bis(2-Ethylhexyl)phthalate	149	11.625	11.625	(1.002)	63093	10.0000	10
	62 Chrysene	228	11.632	11.632	(1.002)	60768	10.0000	9.7
	64 Di-n-octylphthalate	149	12.477	12.477	(0.923)	87129	10.0000	9.2
	65 Benzo(b)fluoranthene	252	12.983	12.983	(0.960)	48269	10.0000	9.5
	66 Benzo(k)fluoranthene	252	13.020	13.020	(0.963)	50952	10.0000	10
	67 Benzo(a)pyrene	252	13.430	13.430	(0.993)	39970	10.0000	9.6
*	84 Perylene-d12	264	13.519	13.519	(1.000)	154176	40.0000	
	68 Indeno(1,2,3-cd)pyrene	276	15.015	15.015	(1.111)	34455	10.0000	8.8
	69 Dibenz(a,h)anthracene	278	15.060	15.060	(1.114)	34854	10.0000	9.1
	70 Benzo(g,h,i)perylene	276	15.436	15.436	(1.142)	34061	10.0000	8.3

Data File: /chem/BNAMS4.i/8270T/05-24-12/24may12.b/u76727.d
Report Date: 24-May-2012 11:17

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
H - Operator selected an alternate compound hit.

Data File: u76727.d

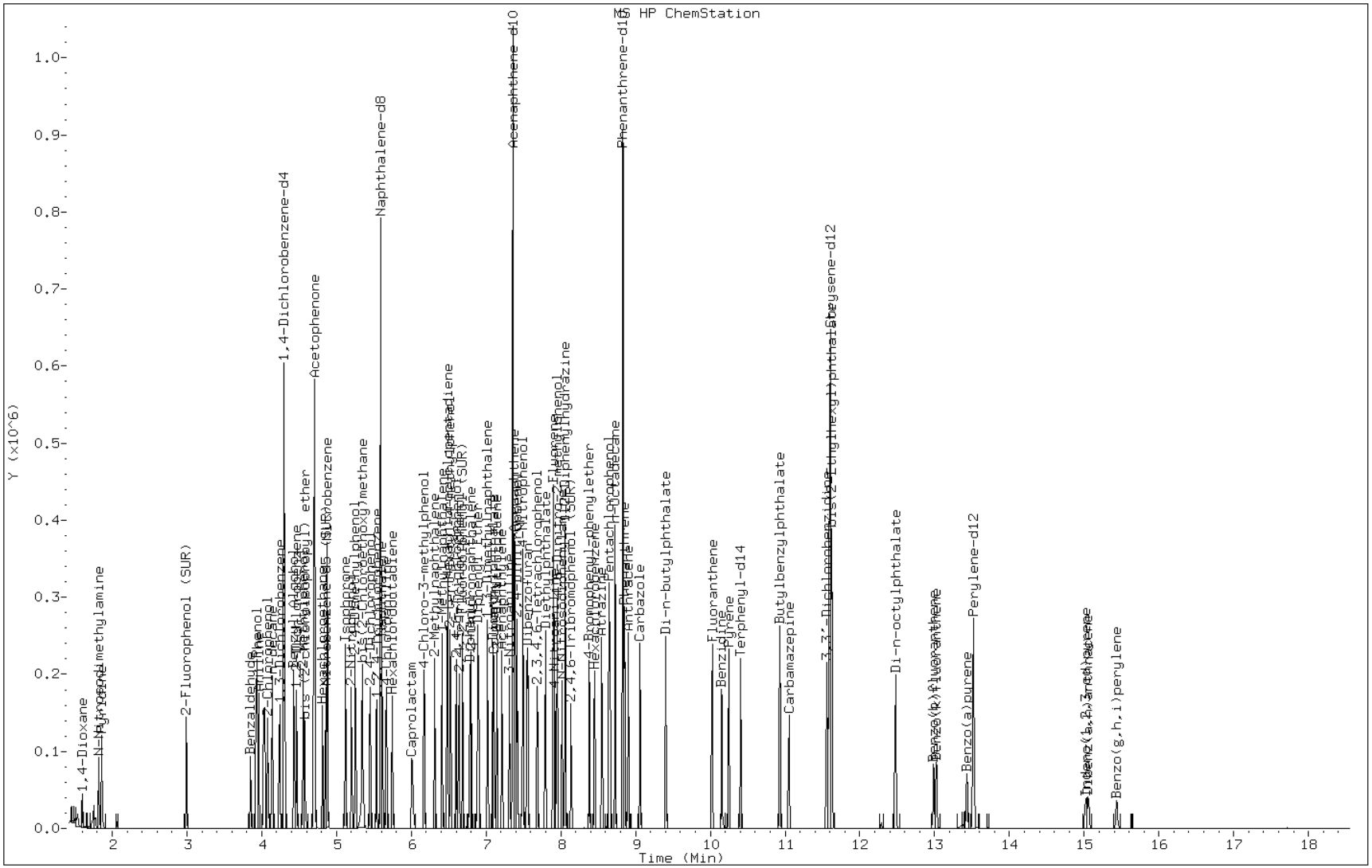
Date: 24-MAY-2012 05:56

Client ID:

Instrument: BNAMS4.i

Sample Info: IC-1519302

Operator: BNAMS 4



Data File: /chem/BNAMS4.i/8270T/05-24-12/24may12.b/u76728.d
Report Date: 24-May-2012 11:19

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS4.i/8270T/05-24-12/24may12.b/u76728.d
Lab Smp Id: IC-1519301
Inj Date : 24-MAY-2012 06:18
Operator : BNAMS 4 Inst ID: BNAMS4.i
Smp Info : IC-1519301
Misc Info :
Comment :
Method : /chem/BNAMS4.i/8270T/05-24-12/24may12.b/8270C_11.m
Meth Date : 24-May-2012 11:19 czhao Quant Type: ISTD
Cal Date : 24-MAY-2012 06:18 Cal File: u76728.d
Als bottle: 6 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * Uf*1000*Vt/(Ws*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
	106 1,4-Dioxane	88	1.611	1.611	(0.375)	4100	5.00000	4.5(a)
	19 N-Nitrosodimethylamine	74	1.833	1.833	(0.426)	8852	5.00000	4.5(a)
	71 Pyridine	79	1.876	1.876	(0.436)	12783	5.00000	4.2(a)
$	16 2-Fluorophenol (SUR)	112	2.998	2.998	(0.697)	10886	5.00000	4.2(a)
	110 Benzaldehyde	77	3.852	3.852	(0.896)	12469	5.00000	7.8
	73 Aniline	93	3.955	3.955	(0.920)	18345	5.00000	4.2(a)
$	17 Phenol-d5 (SUR)	99	3.918	3.918	(0.911)	15016	5.00000	4.1(a)
	1 Phenol	94	3.932	3.932	(0.915)	16089	5.00000	4.0(a)
	20 bis(2-Chloroethyl)ether	93	4.021	4.021	(0.935)	1171	0.50000	0.40(aM)
	2 2-Chlorophenol	128	4.080	4.080	(0.949)	9527	5.00000	4.2(a)
	113 n-decane	43	4.139	4.139	(0.963)	21643	5.00000	5.0
	21 1,3-Dichlorobenzene	146	4.241	4.241	(0.987)	10643	5.00000	4.2(a)
*	79 1,4-Dichlorobenzene-d4	152	4.299	4.299	(1.000)	68853	40.0000	

Data File: /chem/BNAMS4.i/8270T/05-24-12/24may12.b/u76728.d
Report Date: 24-May-2012 11:19

		QUANT SIG					AMOUNTS	
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
	==========	====	==	======	======	========	=======	=======
22	1,4-Dichlorobenzene	146	4.313	4.313	(1.003)	10547	5.00000	4.0(a)
74	Benzyl Alcohol	108	4.431	4.431	(1.031)	6910	5.00000	3.6(a)
23	1,2-Dichlorobenzene	146	4.468	4.468	(1.039)	10044	5.00000	4.0(a)
24	bis (2-chloroisopropyl) ether	45	4.577	4.577	(1.065)	28591	5.00000	4.3(a)
3	2-Methylphenol	108	4.548	4.548	(1.058)	10754	5.00000	4.0(a)
104	Acetophenone	105	4.702	4.702	(1.094)	20428	5.00000	3.9(a)
25	N-Nitroso-di-n-propylamine	70	4.702	4.702	(1.094)	1622	0.50000	0.43(aM)
4	4-Methylphenol	108	4.702	4.702	(1.094)	12308	5.00000	3.9(a)
123	3 & 4 Methylphenol	108	4.702	4.702	(1.094)	12308	5.00000	3.9(a)
26	Hexachloroethane	117	4.812	4.812	(1.119)	711	0.50000	0.43(aM)
$ 76	Nitrobenzene-d5 (SUR)	82	4.856	4.856	(0.868)	21533	5.00000	4.9(a)
27	Nitrobenzene	77	4.871	4.871	(0.871)	3141	0.50000	0.49(aMH)
107	N,N-Dimethylaniline	120	4.878	4.878	(1.135)	1202	0.50000	0.29(a)
28	Isophorone	82	5.115	5.115	(0.915)	32478	5.00000	4.6(a)
5	2-Nitrophenol	139	5.204	5.204	(0.931)	4521	5.00000	3.9(a)
6	2,4-Dimethylphenol	122	5.256	5.256	(0.940)	8601	5.00000	4.5(a)
29	bis(2-Chloroethoxy)methane	93	5.344	5.344	(0.956)	15219	5.00000	4.7(a)
7	2,4-Dichlorophenol	162	5.446	5.446	(0.974)	8135	5.00000	4.1(a)
15	Benzoic Acid	122	5.336	5.336	(0.954)	5503	5.00000	4.5(a)
30	1,2,4-Trichlorobenzene	180	5.533	5.533	(0.990)	1141	0.50000	0.48(aM)
* 80	Naphthalene-d8	136	5.592	5.592	(1.000)	220346	40.0000	
31	Naphthalene	128	5.606	5.606	(1.003)	25836	5.00000	4.5(a)
32	4-Chloroaniline	127	5.666	5.666	(1.013)	10292	5.00000	4.3(a)
33	Hexachlorobutadiene	225	5.747	5.747	(1.028)	1910	1.00000	1.1(M)
111	Caprolactam	113	5.990	5.990	(1.071)	3287	5.00000	4.5(aH)
8	4-Chloro-3-methylphenol	107	6.167	6.167	(1.103)	13507	5.00000	4.5(a)
34	2-Methylnaphthalene	142	6.312	6.312	(1.129)	15692	5.00000	4.2(a)
120	1-Methylnaphthalene	142	6.408	6.408	(1.146)	16311	5.00000	4.2(a)
35	Hexachlorocyclopentadiene	237	6.481	6.481	(0.881)	7131	5.00000	4.4(aM)
129	1,2,4,5-Tetrachlorobenzene	216	6.481	6.481	(0.881)	11687	5.00000	4.5(a)
121	2-tert-Butyl-4-methylphenol	149	6.518	6.518	(1.166)	15793	5.00000	4.5(a)
9	2,4,6-Trichlorophenol	196	6.600	6.600	(0.897)	7132	5.00000	4.5(a)
10	2,4,5-Trichlorophenol	196	6.637	6.637	(0.902)	7905	5.00000	4.6(a)
$ 77	2-Fluorobiphenyl (SUR)	172	6.681	6.681	(0.908)	21035	5.00000	4.6(a)
102	Diphenyl	154	6.783	6.783	(0.922)	20480	5.00000	4.3(a)
36	2-Chloronaphthalene	162	6.798	6.798	(0.924)	17800	5.00000	4.5(a)
103	Diphenyl Ether	170	6.885	6.885	(0.936)	12864	5.00000	4.7(a)
37	2-Nitroaniline	65	6.900	6.900	(0.938)	30536	10.0000	10
125	1,3-Dimethylnaphthalene	156	7.018	7.018	(0.954)	13022	5.00000	4.2(a)
38	Dimethylphthalate	163	7.084	7.084	(0.963)	24170	5.00000	4.8(a)
114	Coumarin	146	7.107	7.107	(1.271)	6332	5.00000	4.2(a)
40	2,6-Dinitrotoluene	165	7.144	7.144	(0.971)	522	1.00000	0.49(aM)
39	Acenaphthylene	152	7.209	7.209	(0.980)	28977	5.00000	4.9(a)
41	3-Nitroaniline	138	7.313	7.313	(0.994)	9694	10.0000	9.7(a)
* 82	Acenaphthene-d10	164	7.357	7.357	(1.000)	142827	40.0000	
42	Acenaphthene	154	7.387	7.387	(1.004)	16410	5.00000	4.2(a)
122	2,6-Di-tert-butyl-p-cresol	205	7.380	7.380	(1.003)	18598	5.00000	4.4(a)

Data File: /chem/BNAMS4.i/8270T/05-24-12/24may12.b/u76728.d
Report Date: 24-May-2012 11:19

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
	11 2,4-Dinitrophenol	184	7.417	7.417	(1.008)	10736	15.0000	12(a)
	12 4-Nitrophenol	65	7.484	7.484	(1.017)	31784	15.0000	15
	43 Dibenzofuran	168	7.558	7.558	(1.027)	26151	5.00000	4.4(a)
	44 2,4-Dinitrotoluene	165	7.543	7.543	(1.025)	1645	1.00000	0.93(aM)
	130 2,3,4,6-Tetrachlorophenol	232	7.684	7.684	(1.044)	5582	5.00000	4.4(a)
	45 Diethylphthalate	149	7.793	7.793	(1.059)	26821	5.00000	4.9(a)
	47 Fluorene	166	7.895	7.895	(1.073)	19590	5.00000	3.8(a)
	46 4-Chlorophenyl-phenylether	204	7.903	7.903	(1.074)	11362	5.00000	3.9(a)
	48 4-Nitroaniline	138	7.918	7.918	(1.076)	9868	10.0000	9.4(a)
	13 4,6-Dinitro-2-methylphenol	198	7.946	7.946	(0.900)	14214	15.0000	12(a)
	49 N-Nitrosodiphenylamine	169	8.018	8.018	(0.908)	14478	5.00000	4.5(a)
	75 1,2-Diphenylhydrazine	77	8.055	8.055	(0.913)	42283	5.00000	4.1(a)
$	18 2,4,6-Tribromophenol (SUR)	330	8.136	8.136	(1.106)	4005	5.00000	4.1(a)
	50 4-Bromophenyl-phenylether	248	8.384	8.384	(0.950)	6227	5.00000	4.4(a)
	51 Hexachlorobenzene	284	8.451	8.451	(0.958)	473	0.50000	0.28(aM)
	112 Atrazine	200	8.547	8.547	(0.968)	7491	5.00000	4.6(a)
	14 Pentachlorophenol	266	8.642	8.642	(0.979)	13845	15.0000	12(a)
	132 Pentachloronitrobenzene	237	8.657	8.657	(0.981)	4504	5.00000	4.4(a)
	115 n-Octadecane	57	8.723	8.723	(0.988)	23955	5.00000	4.4(a)
*	83 Phenanthrene-d10	188	8.826	8.826	(1.000)	258126	40.0000	
	52 Phenanthrene	178	8.848	8.848	(1.003)	30855	5.00000	4.5(a)
	53 Anthracene	178	8.900	8.900	(1.008)	31872	5.00000	4.4(a)
	54 Carbazole	167	9.060	9.060	(1.026)	25891	5.00000	4.4(a)
	55 Di-n-butylphthalate	149	9.407	9.407	(1.066)	42138	5.00000	4.6(a)
	56 Fluoranthene	202	10.018	10.018	(1.135)	36100	5.00000	4.6(a)
	58 Benzidine	184	10.151	10.151	(1.150)	10658	5.00000	6.2
	57 Pyrene	202	10.247	10.247	(0.884)	33838	5.00000	4.2(a)
$	78 Terphenyl-d14	244	10.400	10.400	(0.897)	21408	5.00000	4.2(a)
	59 Butylbenzylphthalate	149	10.928	10.928	(0.942)	18482	5.00000	4.6(a)
	124 Carbamazepine	193	11.046	11.046	(0.953)	14800	5.00000	4.9(a)
	60 3,3'-Dichlorobenzidine	252	11.552	11.552	(0.996)	19325	10.0000	11
	61 Benzo(a)anthracene	228	11.580	11.580	(0.999)	3092	0.50000	0.52
*	81 Chrysene-d12	240	11.595	11.595	(1.000)	212084	40.0000	
	63 bis(2-Ethylhexyl)phthalate	149	11.618	11.618	(1.002)	25697	5.00000	4.6(a)
	62 Chrysene	228	11.625	11.625	(1.003)	25721	5.00000	4.7(a)
	64 Di-n-octylphthalate	149	12.475	12.475	(0.923)	38263	5.00000	4.1(a)
	65 Benzo(b)fluoranthene	252	12.983	12.983	(0.960)	1764	0.50000	0.36(aM)
	66 Benzo(k)fluoranthene	252	13.013	13.013	(0.963)	2003	0.50000	0.41(aM)
	67 Benzo(a)pyrene	252	13.423	13.423	(0.993)	1587	0.50000	0.39(aM)
*	84 Perylene-d12	264	13.519	13.519	(1.000)	149563	40.0000	
	68 Indeno(1,2,3-cd)pyrene	276	15.008	15.008	(1.110)	1007	0.50000	0.26(aM)
	69 Dibenz(a,h)anthracene	278	15.045	15.045	(1.113)	1113	0.50000	0.30(aM)
	70 Benzo(g,h,i)perylene	276	15.428	15.428	(1.141)	18078	5.00000	4.5(a)

Data File: /chem/BNAMS4.i/8270T/05-24-12/24may12.b/u76728.d
Report Date: 24-May-2012 11:19

QC Flag Legend

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

Data File: u76728.d

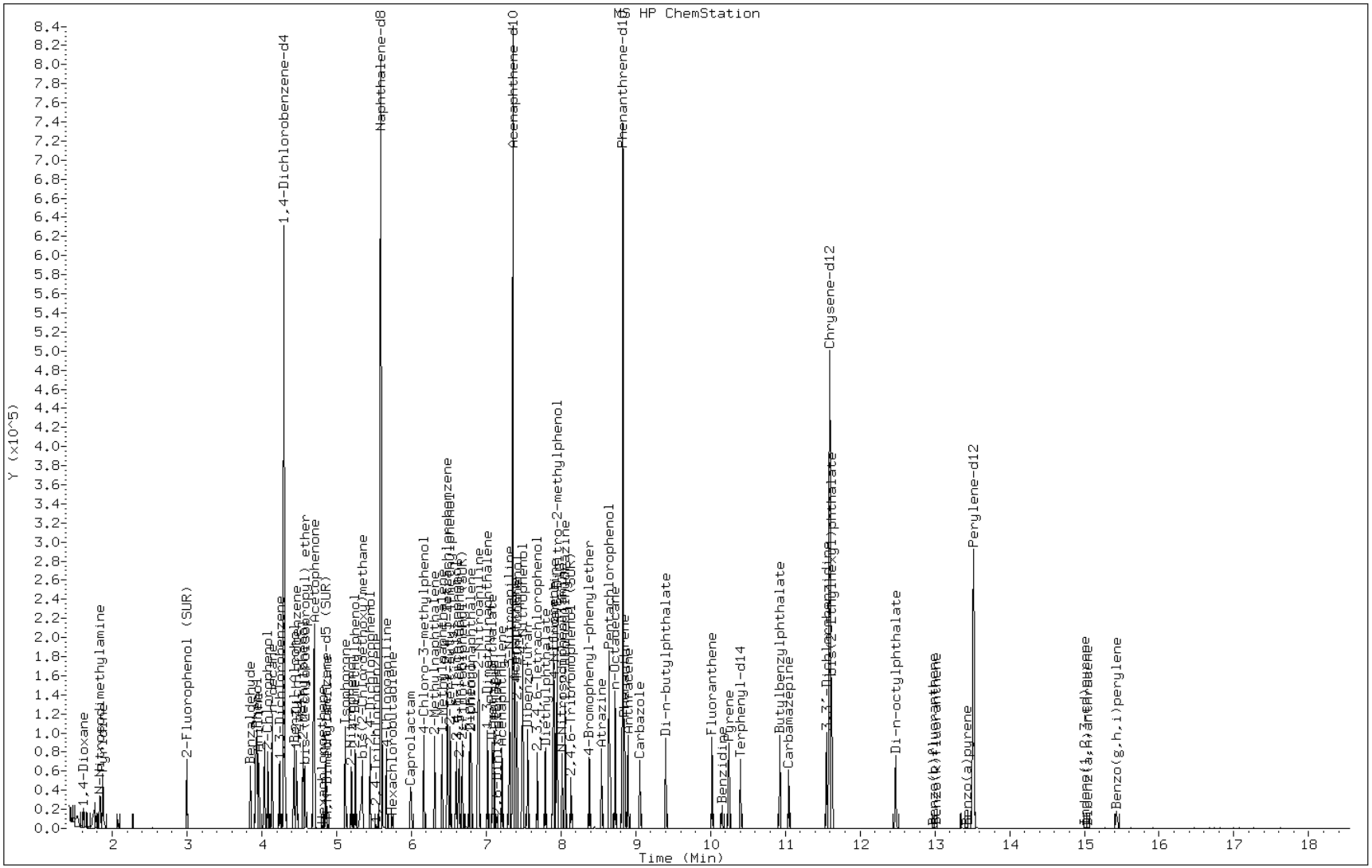
Date: 24-MAY-2012 06:18

Client ID:

Instrument: BNAMS4.i

Sample Info: IC-1519301

Operator: BNAMS 4



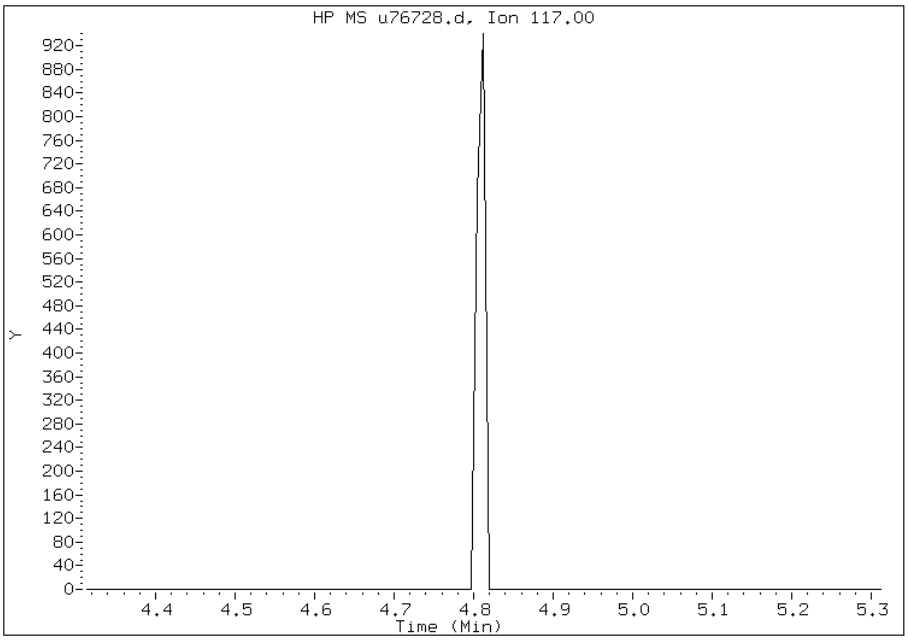
Manual Integration Report

Data File: u76728.d
Inj. Date and Time: 24-MAY-2012 06:18
Instrument ID: BNAMS4.i
Client ID:
Compound: 26 Hexachloroethane
CAS #: 67-72-1
Report Date: 05/24/2012

Processing Integration Results

Not Detected

Expected RT: 4.81



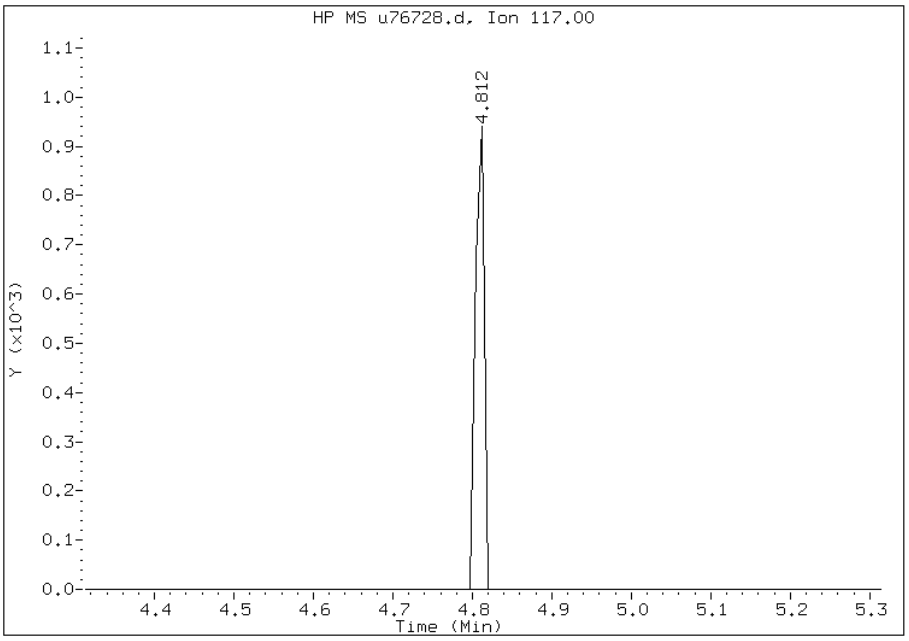
Manual Integration Results

RT: 4.81

Response: 711

Amount: 0

Conc: 0



Manually Integrated By: wahied
Manual Integration Reason:

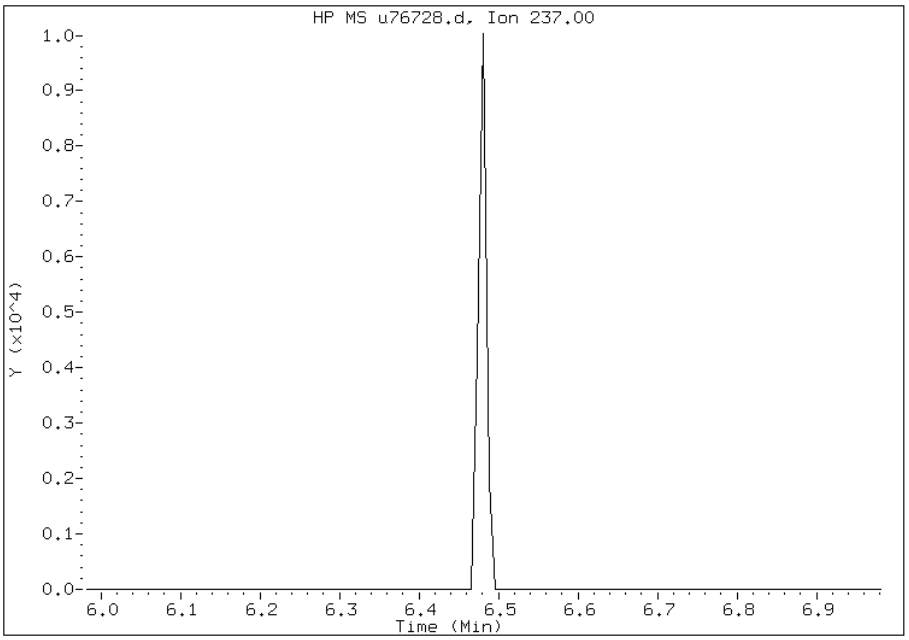
Manual Integration Report

Data File: u76728.d
Inj. Date and Time: 24-MAY-2012 06:18
Instrument ID: BNAMS4.i
Client ID:
Compound: 35 Hexachlorocyclopentadiene
CAS #: 77-47-4
Report Date: 05/24/2012

Processing Integration Results

Not Detected

Expected RT: 6.48



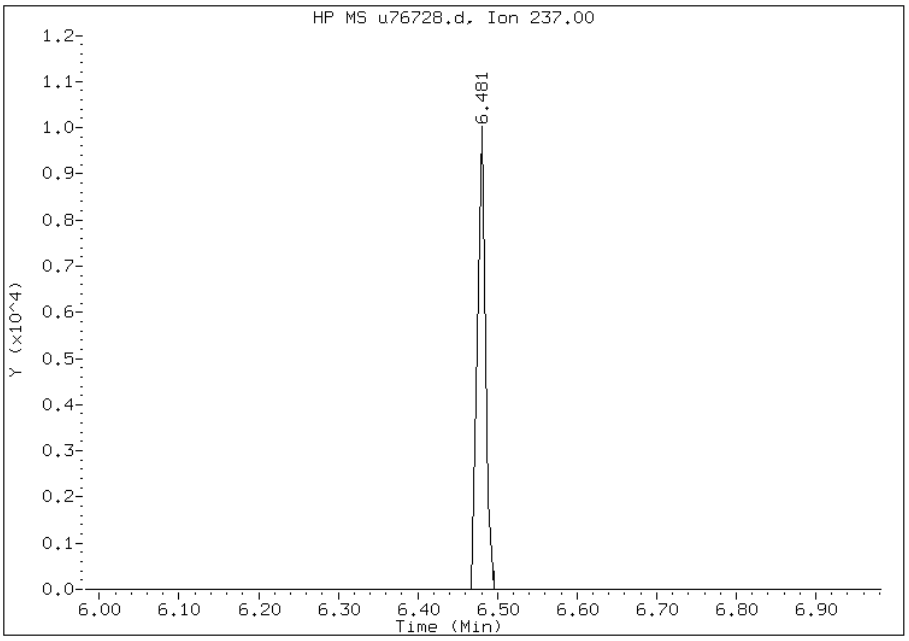
Manual Integration Results

RT: 6.48

Response: 7131

Amount: 4

Conc: 4



Manually Integrated By: wahied
Manual Integration Reason:

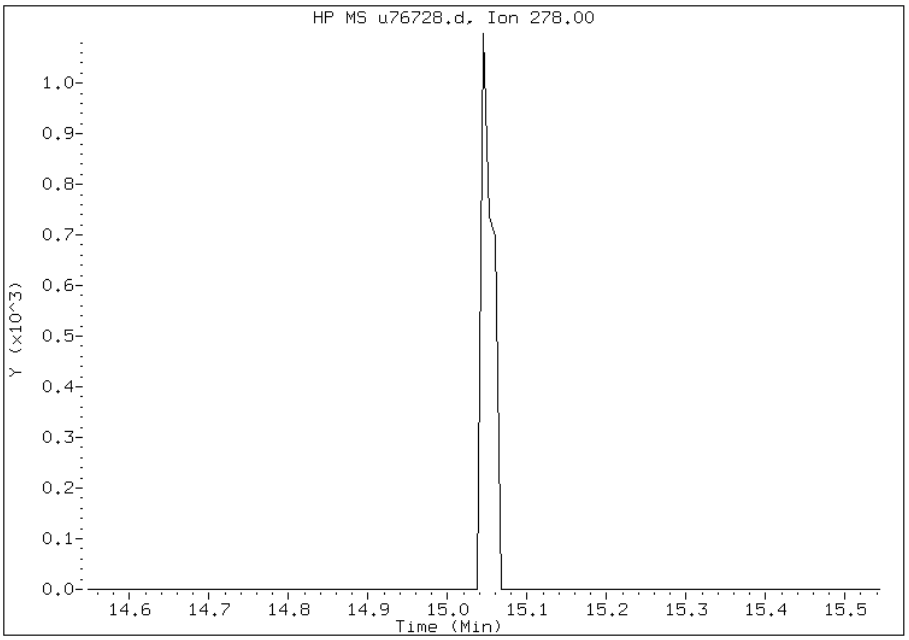
Manual Integration Report

Data File: u76728.d
Inj. Date and Time: 24-MAY-2012 06:18
Instrument ID: BNAMS4.i
Client ID:
Compound: 69 Dibenz(a,h)anthracene
CAS #: 53-70-3
Report Date: 05/24/2012

Processing Integration Results

Not Detected

Expected RT: 15.04



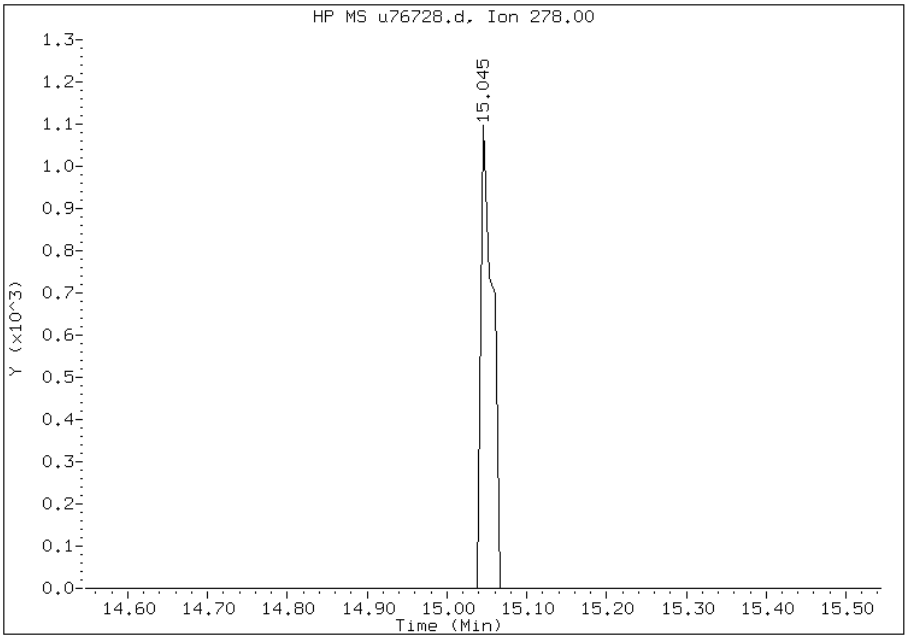
Manual Integration Results

RT: 15.05

Response: 1113

Amount: 0

Conc: 0



Manually Integrated By: wahied
Manual Integration Reason:

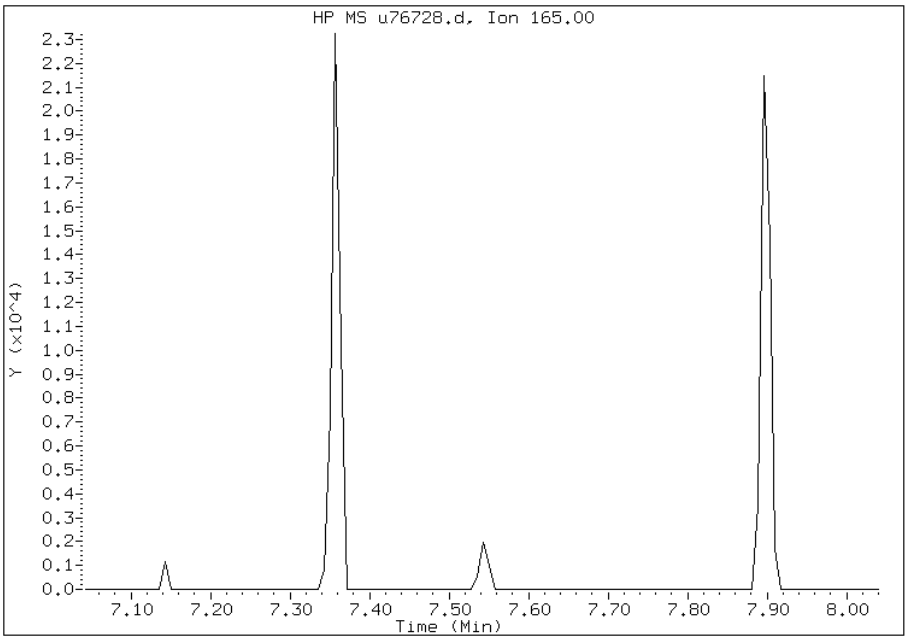
Manual Integration Report

Data File: u76728.d
Inj. Date and Time: 24-MAY-2012 06:18
Instrument ID: BNAMS4.i
Client ID:
Compound: 44 2,4-Dinitrotoluene
CAS #: 121-14-2
Report Date: 05/24/2012

Processing Integration Results

Not Detected

Expected RT: 7.54



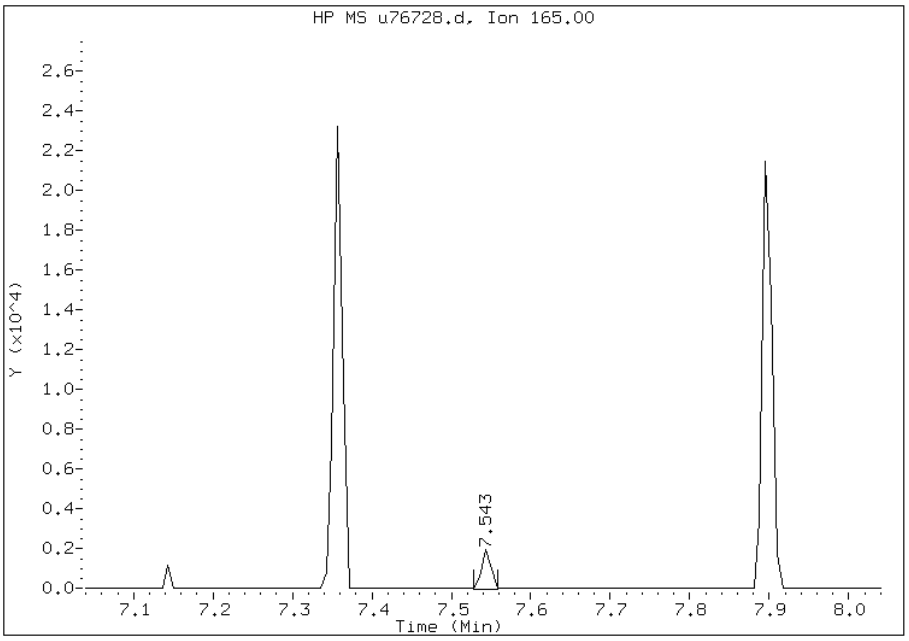
Manual Integration Results

RT: 7.54

Response: 1645

Amount: 1

Conc: 1



Manually Integrated By: wahied
Manual Integration Reason:

Manual Integration Report

Data File: u76728.d
Inj. Date and Time: 24-MAY-2012 06:18
Instrument ID: BNAMS4.i
Client ID:
Compound: 68 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 05/24/2012

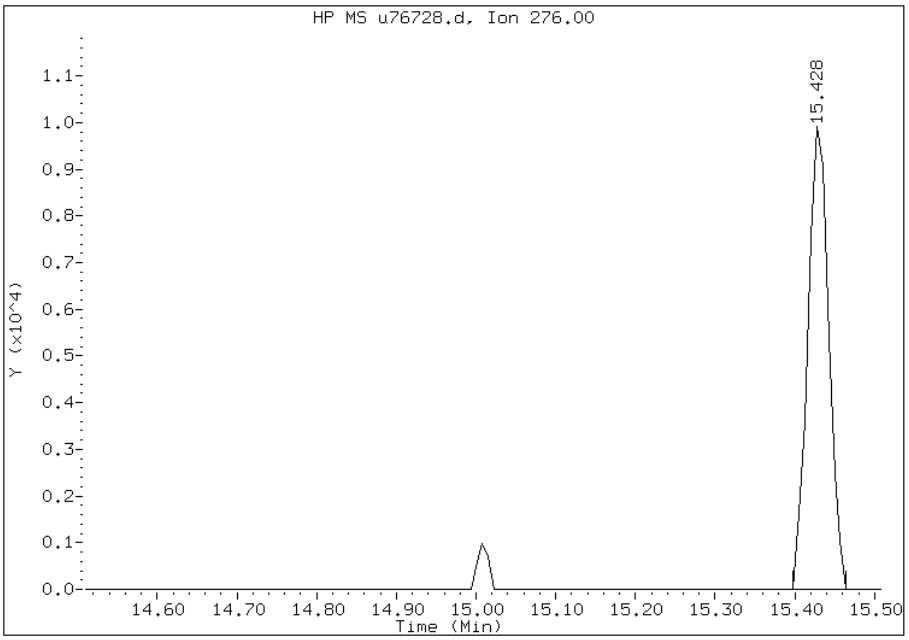
Processing Integration Results

RT: 15.43

Response: 18078

Amount: 2

Conc: 2



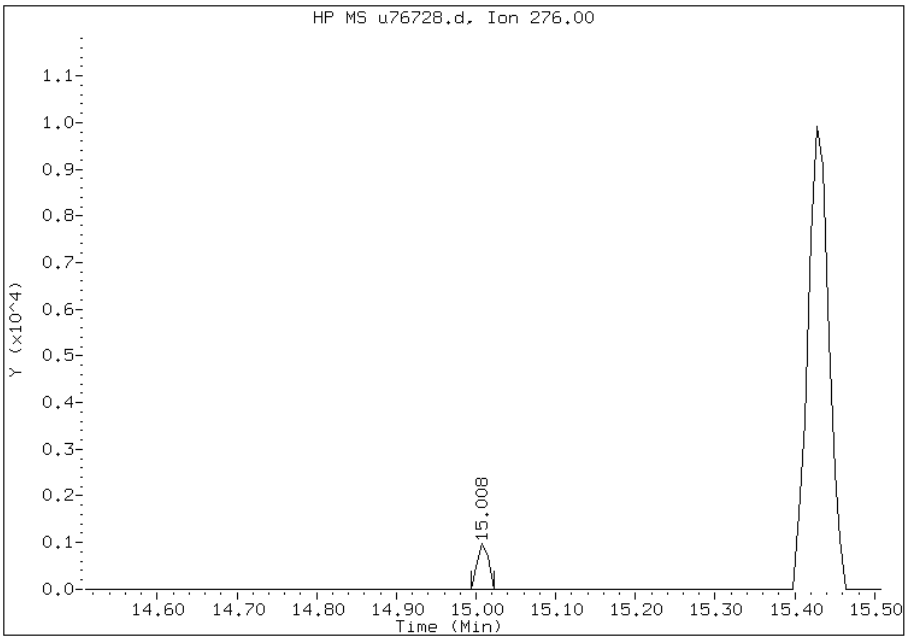
Manual Integration Results

RT: 15.01

Response: 1007

Amount: 0

Conc: 0



Manually Integrated By: wahied
Manual Integration Reason:

Manual Integration Report

Data File: u76728.d
Inj. Date and Time: 24-MAY-2012 06:18
Instrument ID: BNAMS4.i
Client ID:
Compound: 20 bis(2-Chloroethyl)ether
CAS #: 111-44-4
Report Date: 05/24/2012

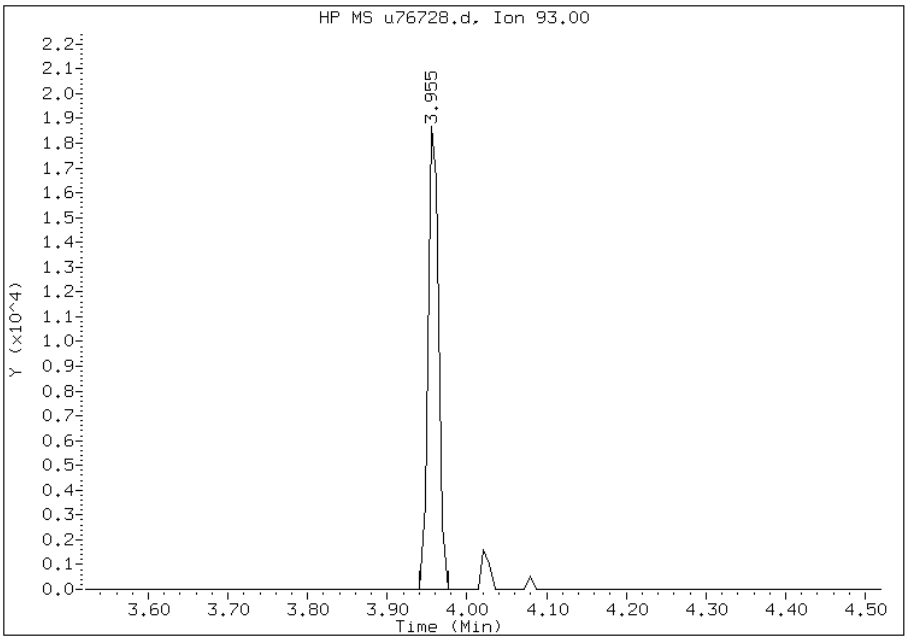
Processing Integration Results

RT: 3.95

Response: 18345

Amount: 2

Conc: 2



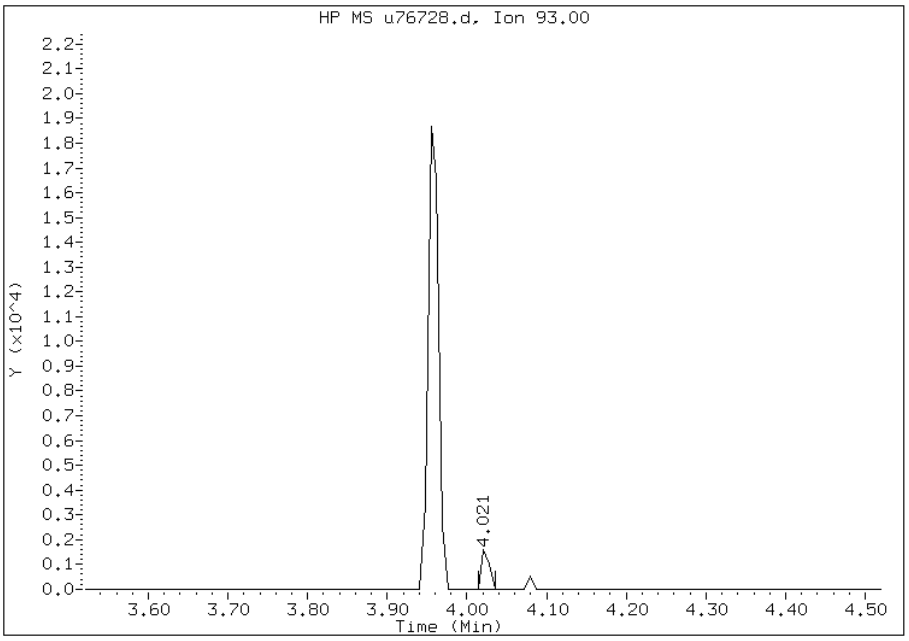
Manual Integration Results

RT: 4.02

Response: 1171

Amount: 0

Conc: 0



Manually Integrated By: wahied
Manual Integration Reason:

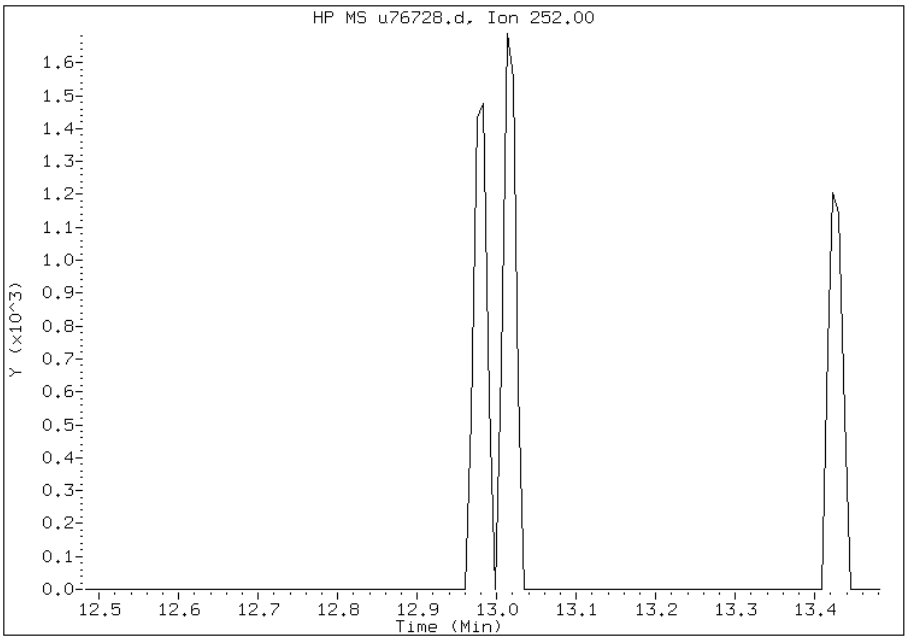
Manual Integration Report

Data File: u76728.d
Inj. Date and Time: 24-MAY-2012 06:18
Instrument ID: BNAMS4.i
Client ID:
Compound: 65 Benzo(b)fluoranthene
CAS #: 205-99-2
Report Date: 05/24/2012

Processing Integration Results

Not Detected

Expected RT: 12.98



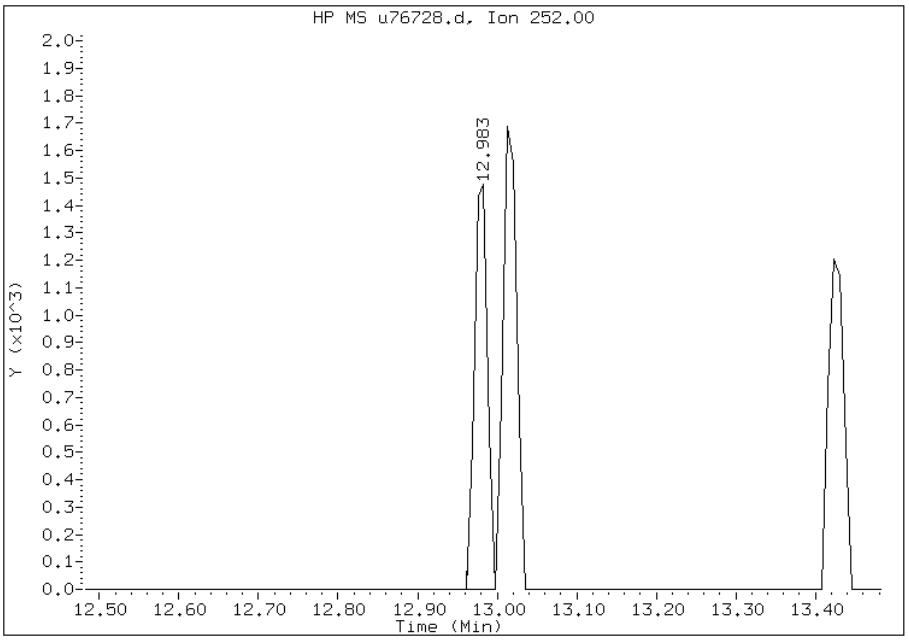
Manual Integration Results

RT: 12.98

Response: 1764

Amount: 0

Conc: 0



Manually Integrated By: wahied
Manual Integration Reason:

Manual Integration Report

Data File: u76728.d
Inj. Date and Time: 24-MAY-2012 06:18
Instrument ID: BNAMS4.i
Client ID:
Compound: 40 2,6-Dinitrotoluene
CAS #: 606-20-2
Report Date: 05/24/2012

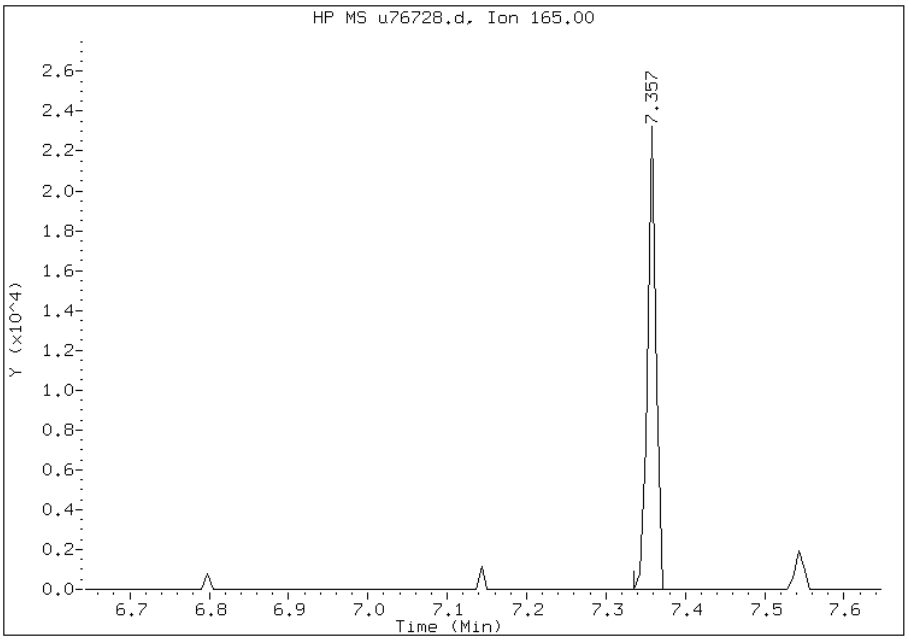
Processing Integration Results

RT: 7.36

Response: 18562

Amount: 5

Conc: 5



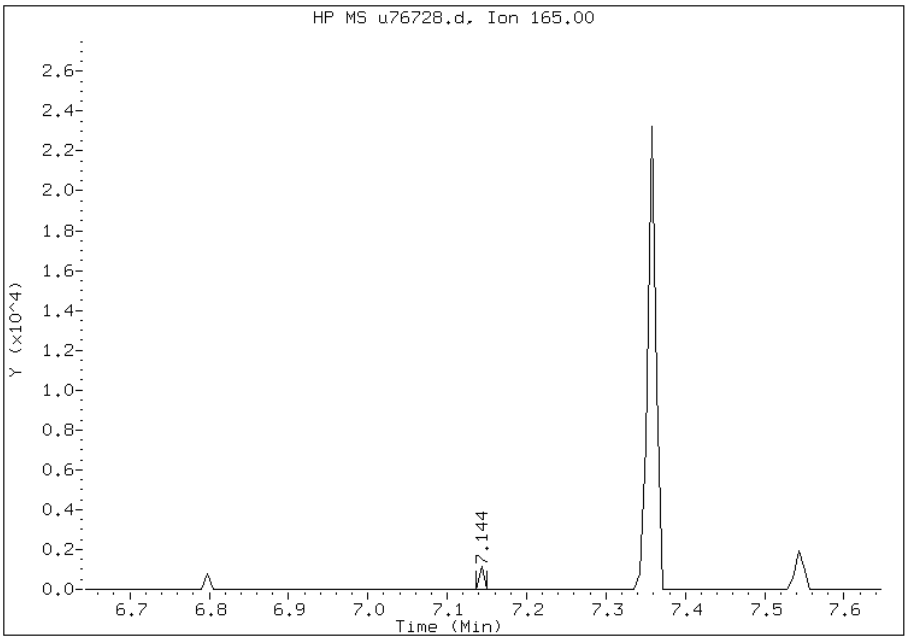
Manual Integration Results

RT: 7.14

Response: 522

Amount: 0

Conc: 0



Manually Integrated By: wahied
Manual Integration Reason:

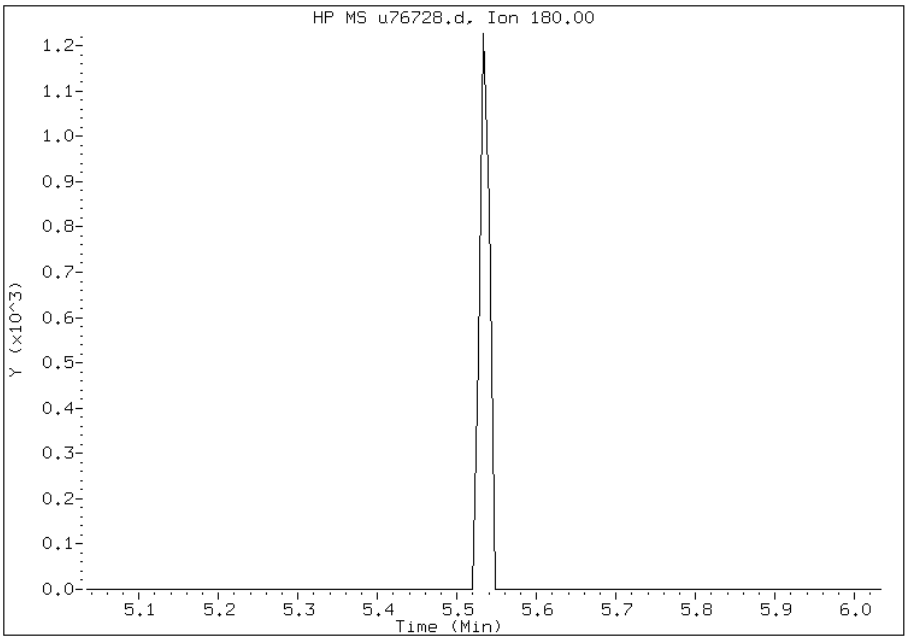
Manual Integration Report

Data File: u76728.d
Inj. Date and Time: 24-MAY-2012 06:18
Instrument ID: BNAMS4.i
Client ID:
Compound: 30 1,2,4-Trichlorobenzene
CAS #: 120-82-1
Report Date: 05/24/2012

Processing Integration Results

Not Detected

Expected RT: 5.53



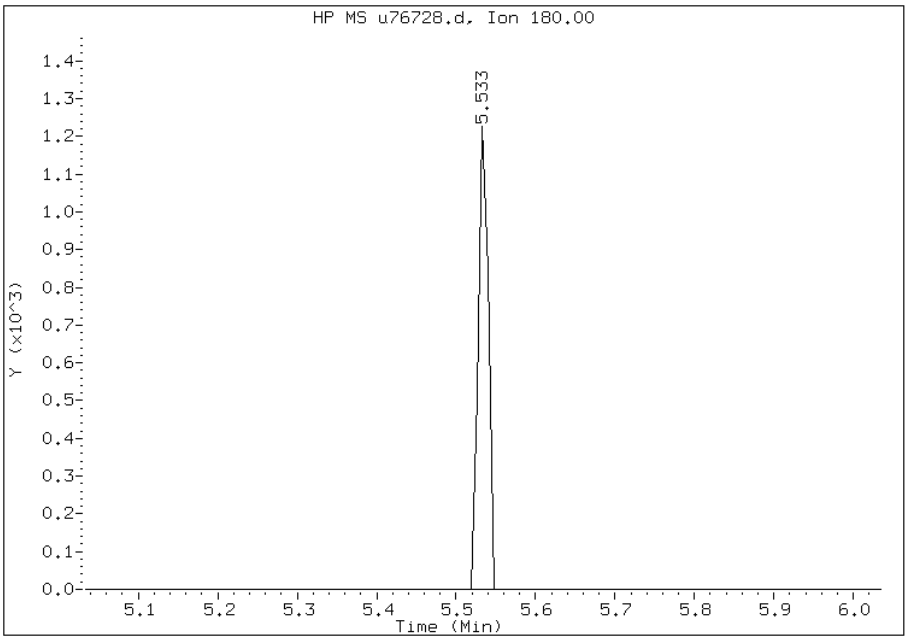
Manual Integration Results

RT: 5.53

Response: 1141

Amount: 0

Conc: 0



Manually Integrated By: wahied
Manual Integration Reason:

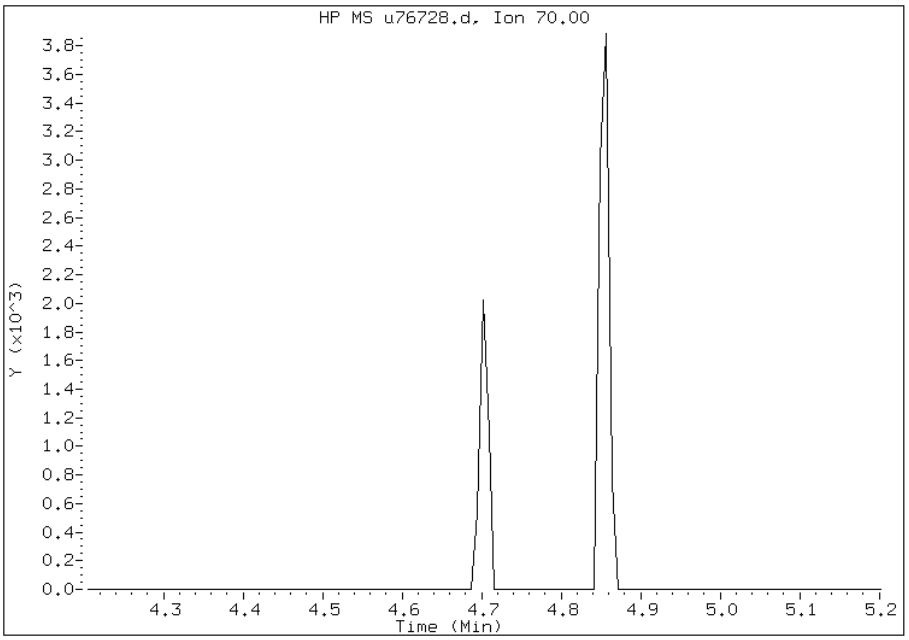
Manual Integration Report

Data File: u76728.d
Inj. Date and Time: 24-MAY-2012 06:18
Instrument ID: BNAMS4.i
Client ID:
Compound: 25 N-Nitroso-di-n-propylamine
CAS #: 621-64-7
Report Date: 05/24/2012

Processing Integration Results

Not Detected

Expected RT: 4.70



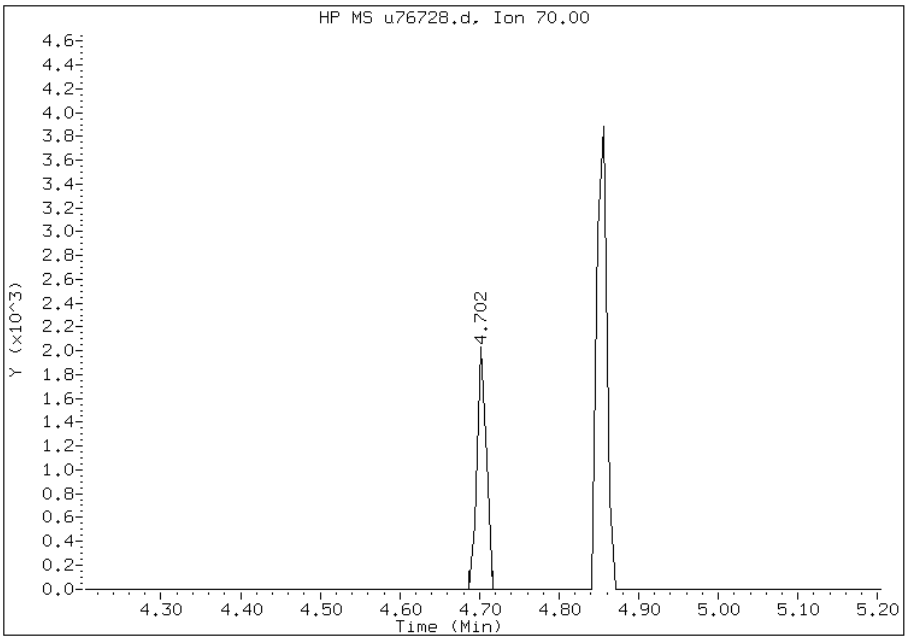
Manual Integration Results

RT: 4.70

Response: 1622

Amount: 0

Conc: 0



Manually Integrated By: wahied
Manual Integration Reason:

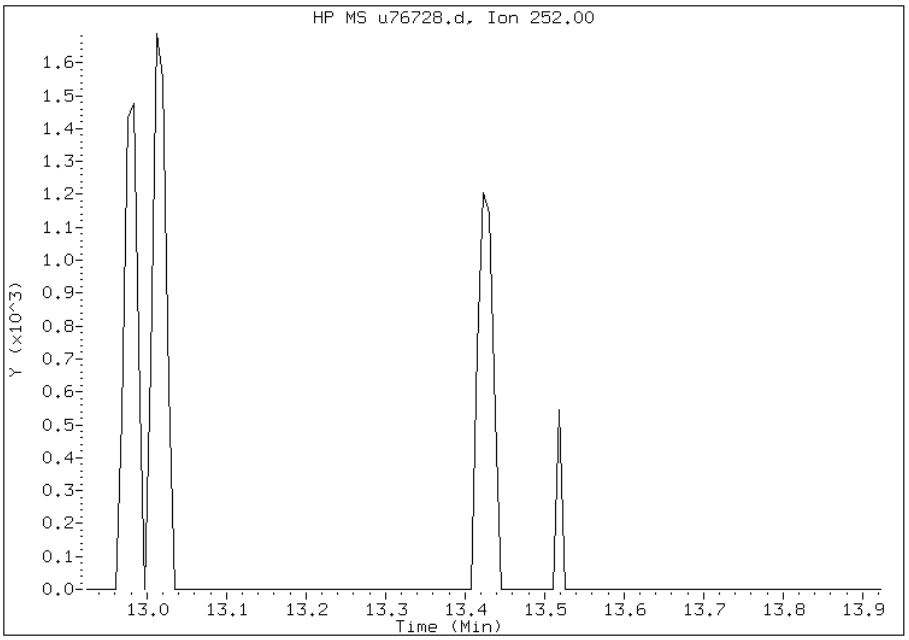
Manual Integration Report

Data File: u76728.d
Inj. Date and Time: 24-MAY-2012 06:18
Instrument ID: BNAMS4.i
Client ID:
Compound: 67 Benzo(a)pyrene
CAS #: 50-32-8
Report Date: 05/24/2012

Processing Integration Results

Not Detected

Expected RT: 13.42



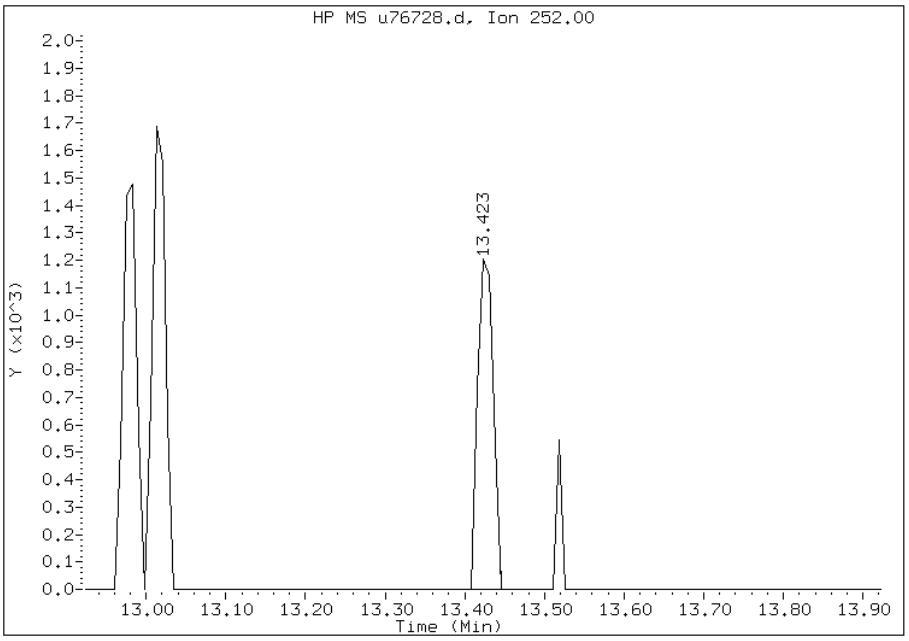
Manual Integration Results

RT: 13.42

Response: 1587

Amount: 0

Conc: 0



Manually Integrated By: wahied
Manual Integration Reason:

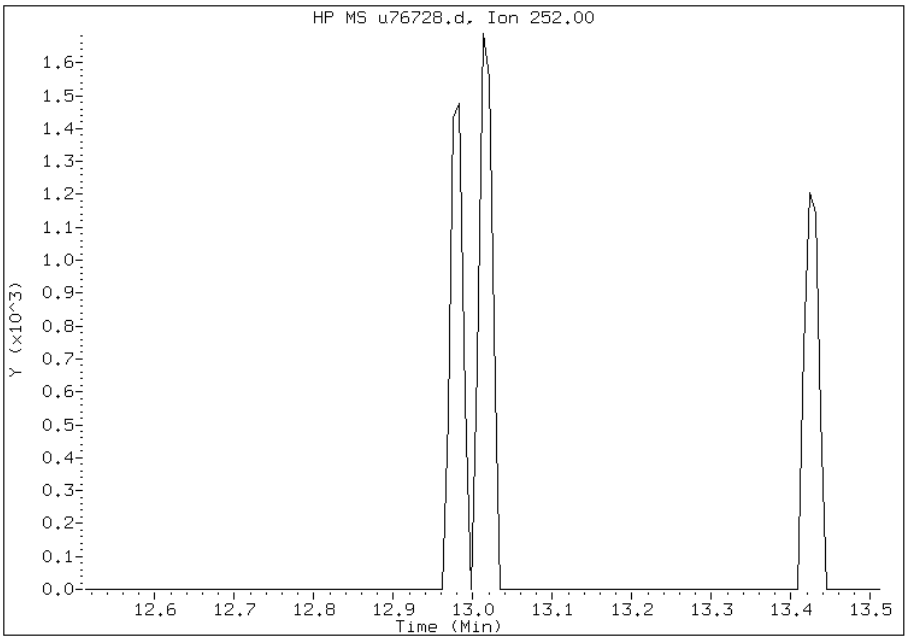
Manual Integration Report

Data File: u76728.d
Inj. Date and Time: 24-MAY-2012 06:18
Instrument ID: BNAMS4.i
Client ID:
Compound: 66 Benzo(k)fluoranthene
CAS #: 207-08-9
Report Date: 05/24/2012

Processing Integration Results

Not Detected

Expected RT: 13.01



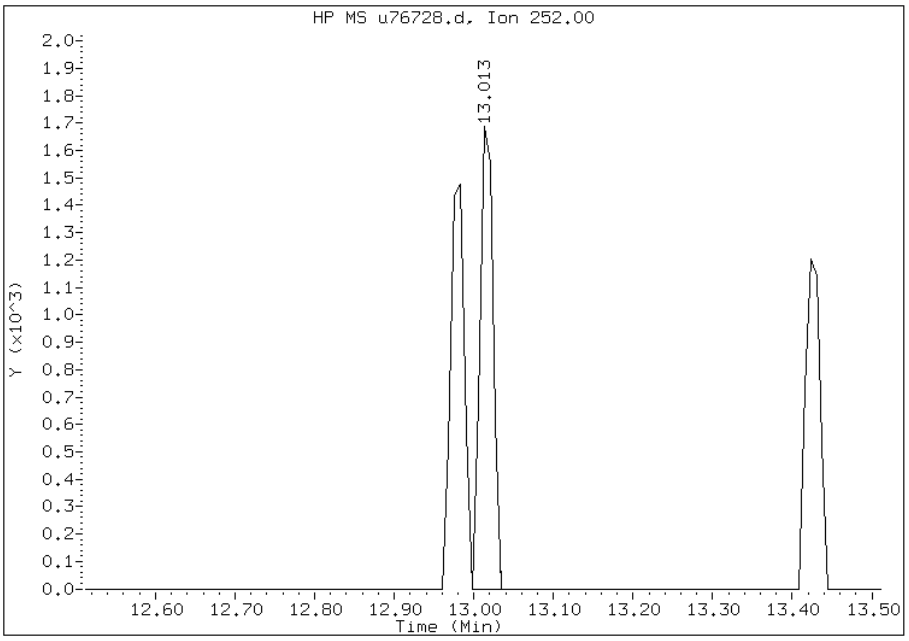
Manual Integration Results

RT: 13.01

Response: 2003

Amount: 0

Conc: 0



Manually Integrated By: wahied
Manual Integration Reason:

Manual Integration Report

Data File: u76728.d
Inj. Date and Time: 24-MAY-2012 06:18
Instrument ID: BNAMS4.i
Client ID:
Compound: 27 Nitrobenzene
CAS #: 98-95-3
Report Date: 05/24/2012

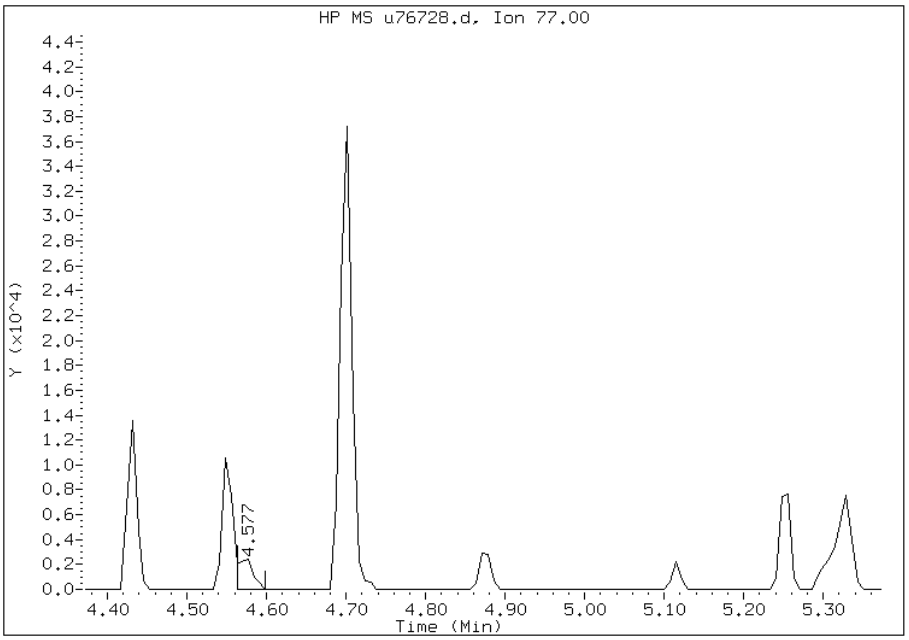
Processing Integration Results

RT: 4.58

Response: 3619

Amount: 1

Conc: 1



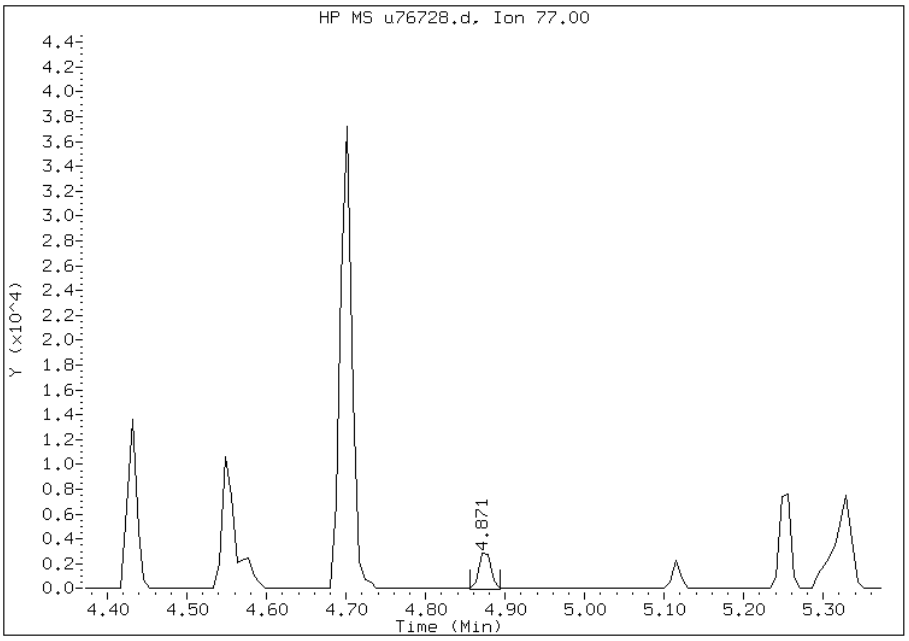
Manual Integration Results

RT: 4.87

Response: 3141

Amount: 0

Conc: 0



Manually Integrated By: wahied
Manual Integration Reason:

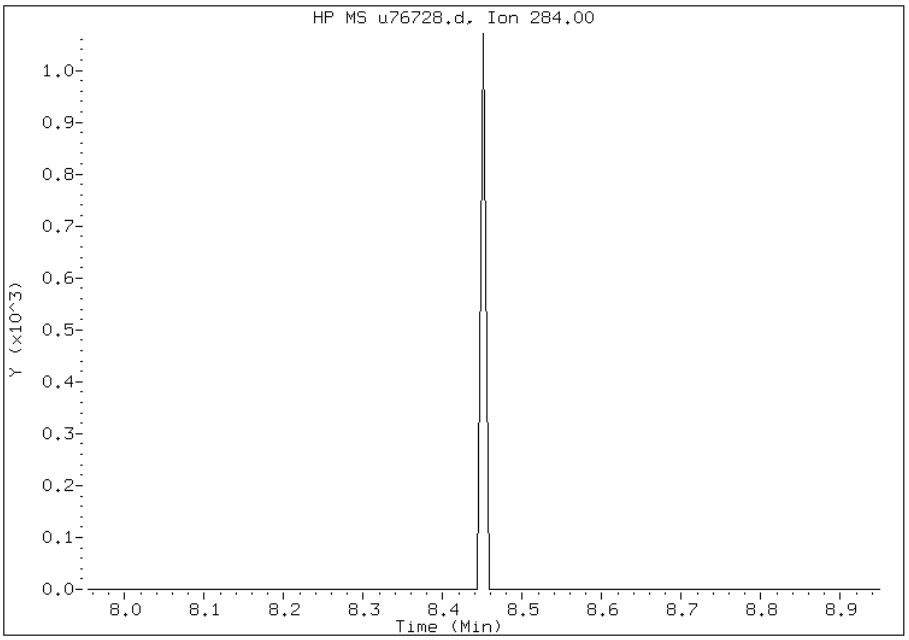
Manual Integration Report

Data File: u76728.d
Inj. Date and Time: 24-MAY-2012 06:18
Instrument ID: BNAMS4.i
Client ID:
Compound: 51 Hexachlorobenzene
CAS #: 118-74-1
Report Date: 05/24/2012

Processing Integration Results

Not Detected

Expected RT: 8.45



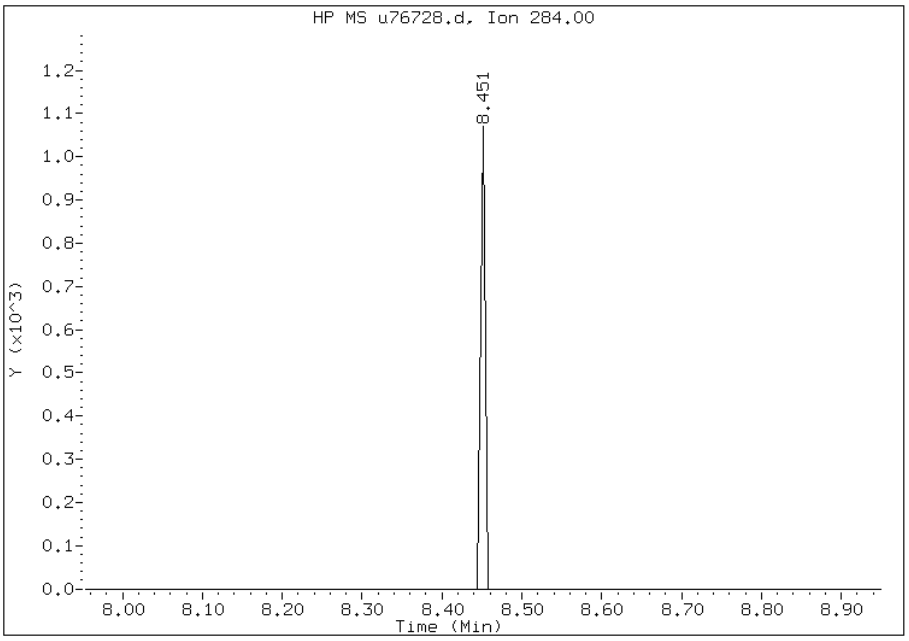
Manual Integration Results

RT: 8.45

Response: 473

Amount: 0

Conc: 0



Manually Integrated By: wahied
Manual Integration Reason:

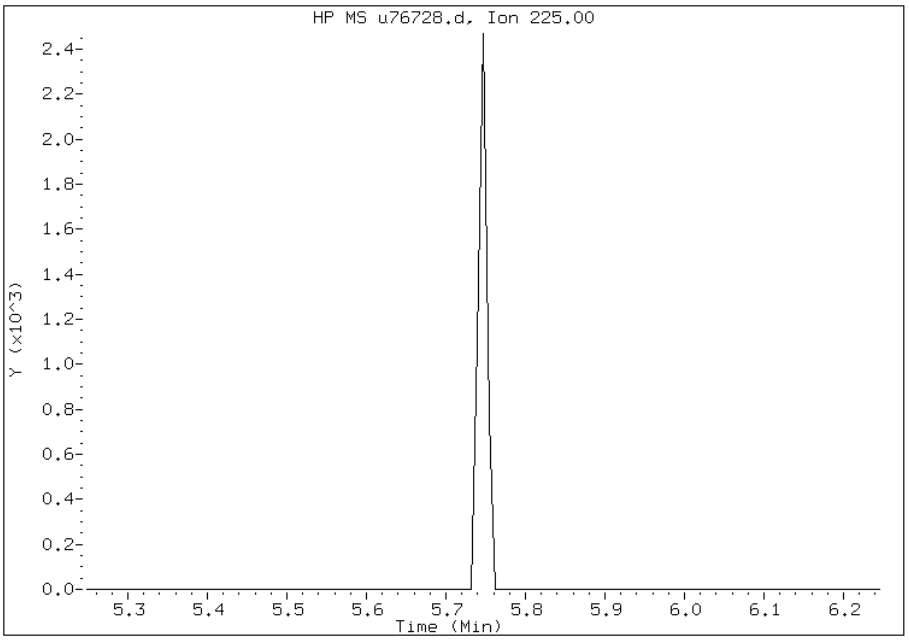
Manual Integration Report

Data File: u76728.d
Inj. Date and Time: 24-MAY-2012 06:18
Instrument ID: BNAMS4.i
Client ID:
Compound: 33 Hexachlorobutadiene
CAS #: 87-68-3
Report Date: 05/24/2012

Processing Integration Results

Not Detected

Expected RT: 5.75



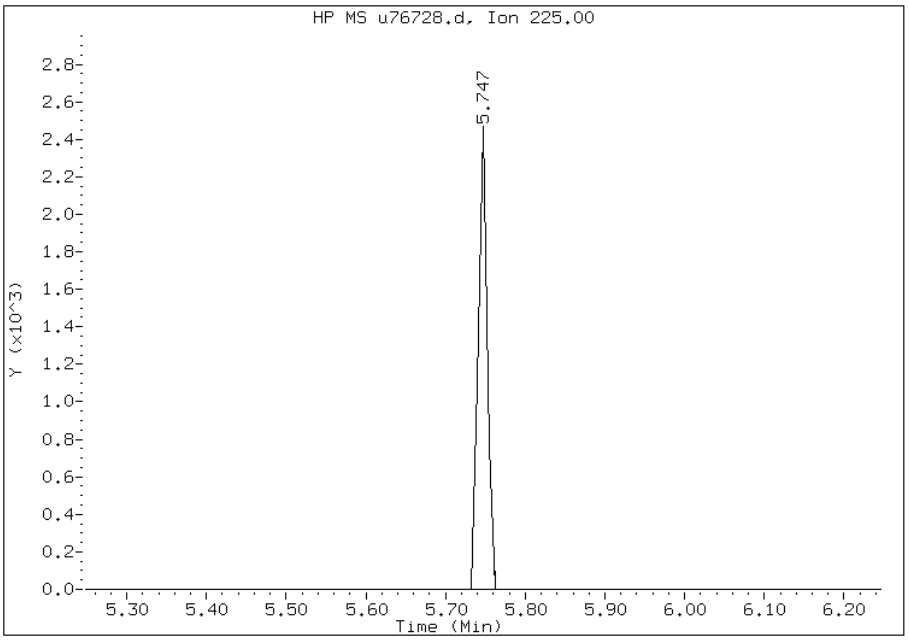
Manual Integration Results

RT: 5.75

Response: 1910

Amount: 1

Conc: 1



Manually Integrated By: wahied
Manual Integration Reason:

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Lab Sample ID: CCVIS 460-113076/2 Calibration Date: 05/18/2012 03:27

Instrument ID: BNAMS10 Calib Start Date: 05/16/2012 13:38

GC Column: Rtx-5MS ID: 0.25(mm) Calib End Date: 05/16/2012 15:59

Lab File ID: p30177.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5589	0.5028		45000	50000	-10.0	20.0
N-Nitrosodimethylamine	Ave	0.8380	0.7592		45300	50000	-9.4	20.0
Pyridine	Ave	1.455	1.328		45600	50000	-8.7	20.0
2-Fluorophenol	Ave	1.370	1.274		46500	50000	-7.0	20.0
Benzaldehyde	Ave	0.5893	0.3193		27100	50000	-45.8*	20.0
Phenol-d5	Ave	1.632	1.509		46200	50000	-7.6	20.0
Phenol	Ave	1.768	1.631		46100	50000	-7.7	20.0
Aniline	Ave	1.924	1.863		48400	50000	-3.2	20.0
Bis(2-chloroethyl)ether	Ave	1.486	1.306		44000	50000	-12.1	20.0
2-Chlorophenol	Ave	1.376	1.314		47800	50000	-4.5	20.0
Decane	Ave	1.166	1.188		51000	50000	1.9	20.0
1,3-Dichlorobenzene	Ave	1.554	1.554		50000	50000	-0.0	20.0
1,4-Dichlorobenzene	Ave	1.538	1.542		50100	50000	0.3	20.0
Benzyl alcohol	Ave	0.8109	0.8195		50500	50000	1.1	20.0
1,2-Dichlorobenzene	Ave	1.443	1.439		49900	50000	-0.3	20.0
2-Methylphenol	Ave	1.187	1.111		46800	50000	-6.4	20.0
2,2'-oxybis[1-chloropropane]	Ave	1.334	1.309		49100	50000	-1.8	20.0
Acetophenone	Ave	1.733	1.653		47700	50000	-4.6	20.0
3 & 4 Methylphenol	Ave	1.230	1.058		43000	50000	-13.9	20.0
4-Methylphenol	Ave	1.219	1.065		43700	50000	-12.7	20.0
N-Nitrosodi-n-propylamine	Ave	0.8736	0.8573	0.0500	49100	50000	-1.9	20.0
Hexachloroethane	Ave	0.6000	0.5976		49800	50000	-0.4	20.0
Nitrobenzene-d5	Ave	0.4424	0.4399		49700	50000	-0.6	20.0
n,n'-Dimethylaniline	Ave	1.851	1.823		49300	50000	-1.5	20.0
Nitrobenzene	Ave	0.5747	0.5511		47900	50000	-4.1	20.0
Isophorone	Ave	0.7011	0.6691		47700	50000	-4.6	20.0
2-Nitrophenol	Ave	0.2197	0.2153		49000	50000	-2.0	20.0
2,4-Dimethylphenol	Ave	0.3427	0.3290		48000	50000	-4.0	20.0
Bis(2-chloroethoxy)methane	Ave	0.4237	0.4221		49800	50000	-0.4	20.0
Benzoic acid	Ave	0.2019	0.2329		57700	50000	15.4	20.0
2,4-Dichlorophenol	Ave	0.3061	0.2946		48100	50000	-3.8	20.0
1,2,4-Trichlorobenzene	Ave	0.3634	0.3565		49000	50000	-1.9	20.0
Naphthalene	QuaF	1.027	1.013		52800	50000	5.6	20.0
4-Chloroaniline	Ave	0.4042	0.3892		48200	50000	-3.7	20.0
Hexachlorobutadiene	Ave	0.1970	0.1951		49500	50000	-1.0	20.0
Caprolactam	Ave	0.0919	0.0877		47700	50000	-4.6	20.0
4-Chloro-3-methylphenol	Ave	0.3066	0.2947		48100	50000	-3.9	20.0
2-Methylnaphthalene	Ave	0.6697	0.6560		49000	50000	-2.0	20.0
1-Methylnaphthalene	Ave	0.6851	0.6717		49000	50000	-2.0	20.0
Hexachlorocyclopentadiene	Ave	0.3611	0.3794	0.0500	52500	50000	5.1	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.5965	0.5942		49800	50000	-0.4	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Lab Sample ID: CCVIS 460-113076/2 Calibration Date: 05/18/2012 03:27

Instrument ID: BNAMS10 Calib Start Date: 05/16/2012 13:38

GC Column: Rtx-5MS ID: 0.25(mm) Calib End Date: 05/16/2012 15:59

Lab File ID: p30177.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-tertbutyl-4-methylphenol	Ave	0.4682	0.4662		49800	50000	-0.4	20.0
2,4,6-Trichlorophenol	Ave	0.3846	0.3842		50000	50000	-0.0	20.0
2,4,5-Trichlorophenol	Ave	0.3756	0.3861		51400	50000	2.8	20.0
2-Fluorobiphenyl	Ave	1.368	1.402		51300	50000	2.5	20.0
Diphenyl	Ave	1.479	1.525		51500	50000	3.1	20.0
2-Chloronaphthalene	Ave	1.148	1.164		50700	50000	1.4	20.0
Diphenyl ether	Ave	0.8414	0.8534		50700	50000	1.4	20.0
2-Nitroaniline	Ave	0.3706	0.3354		45300	50000	-9.5	20.0
Dimethylnaphthalene, total	Ave	1.005	1.025		51000	50000	2.0	20.0
Dimethyl phthalate	Ave	1.114	1.109		49800	50000	-0.5	20.0
Coumarin	Ave	0.1944	0.1897		48800	50000	-2.4	20.0
2,6-Dinitrotoluene	Ave	0.2695	0.2729		50600	50000	1.2	20.0
Acenaphthylene	Ave	1.717	1.729		50400	50000	0.7	20.0
3-Nitroaniline	Ave	0.2690	0.2649		49300	50000	-1.5	20.0
3,5-di-tert-butyl-4-hydroxytol	Ave	0.9739	0.996		51100	50000	2.2	20.0
Acenaphthene	Ave	1.034	1.036		50100	50000	0.2	20.0
2,4-Dinitrophenol	QuaF	0.1360	0.1372	0.0500	45700	50000	-8.7	20.0
4-Nitrophenol	Ave	0.1791	0.1798	0.0500	50200	50000	0.4	20.0
2,4-Dinitrotoluene	Ave	0.3187	0.3256		51100	50000	2.1	20.0
Dibenzofuran	Ave	1.447	1.466		50700	50000	1.3	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.2436	0.2565		52600	50000	5.3	20.0
Diethyl phthalate	Ave	1.063	1.067		50200	50000	0.4	20.0
Fluorene	Ave	1.138	1.166		51200	50000	2.4	20.0
4-Chlorophenyl phenyl ether	Ave	0.5436	0.5599		51500	50000	3.0	20.0
4-Nitroaniline	Ave	0.2478	0.2146		43300	50000	-13.4	20.0
4,6-Dinitro-2-methylphenol	Ave	0.1401	0.1406		50200	50000	0.3	20.0
N-Nitrosodiphenylamine	Ave	0.6118	0.6002		49000	50000	-1.9	20.0
1,2-Diphenylhydrazine	Ave	1.021	1.065		52100	50000	4.3	20.0
2,4,6-Tribromophenol	Ave	0.1493	0.1496		50100	50000	0.1	20.0
4-Bromophenyl phenyl ether	Ave	0.2394	0.2461		51400	50000	2.8	20.0
Hexachlorobenzene	Ave	0.2537	0.2535		50000	50000	-0.0	20.0
Atrazine	Ave	0.2101	0.2044		48700	50000	-2.7	20.0
Pentachlorophenol	Ave	0.1482	0.1531		51600	50000	3.3	20.0
Pentachloronitrobenzene	Ave	0.0992	0.0933		47000	50000	-6.0	
n-Octadecane	Ave	0.5215	0.5553		53200	50000	6.5	20.0
Phenanthrene	Ave	1.079	1.032		47800	50000	-4.4	20.0
Anthracene	Ave	1.088	1.084		49800	50000	-0.4	20.0
Carbazole	Ave	0.8705	0.8544		49100	50000	-1.8	20.0
Di-n-butyl phthalate	Ave	1.083	1.110		51200	50000	2.5	20.0
Fluoranthene	Ave	0.9052	0.8947		49400	50000	-1.2	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Lab Sample ID: CCVIS 460-113076/2 Calibration Date: 05/18/2012 03:27

Instrument ID: BNAMS10 Calib Start Date: 05/16/2012 13:38

GC Column: Rtx-5MS ID: 0.25(mm) Calib End Date: 05/16/2012 15:59

Lab File ID: p30177.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzidine	Ave	0.1632	0.0833		25500	50000	-48.9*	20.0
Pyrene	Ave	1.713	1.638		47800	50000	-4.4	20.0
Terphenyl-d14	Ave	1.150	1.122		48800	50000	-2.4	20.0
Butyl benzyl phthalate	Ave	0.7240	0.7386		51000	50000	2.0	20.0
2,3,7,8-TCDD (Screen)	Ave	0.1679	0.1404		418	500	-16.4	20.0
Carbamazepine	QuaF	0.4707	0.5347		52100	50000	4.1	20.0
3,3'-Dichlorobenzidine	Ave	0.3440	0.3248		47200	50000	-5.6	20.0
Benzo[a]anthracene	Ave	1.194	1.165		48800	50000	-2.4	20.0
Chrysene	Ave	1.081	1.105		51100	50000	2.2	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.9274	0.9562		51600	50000	3.1	20.0
Di-n-octyl phthalate	Ave	1.874	2.031		54200	50000	8.4	20.0
Benzo[b]fluoranthene	Ave	1.311	1.346		51300	50000	2.7	20.0
Benzo[k]fluoranthene	Ave	1.330	1.398		52500	50000	5.1	20.0
Benzo[a]pyrene	Ave	1.051	1.103		52500	50000	5.0	20.0
Indeno[1,2,3-cd]pyrene	QuaF	0.9624	1.036		51100	50000	2.1	20.0
Dibenz(a,h)anthracene	Ave	0.9394	1.027		54700	50000	9.3	20.0
Benzo[g,h,i]perylene	Ave	0.9769	1.047		53600	50000	7.1	20.0

Data File: /chem/BNAMS10.i/8270/05-16-12/18may12.b/p30177.d
Report Date: 18-May-2012 03:54

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS10.i/8270/05-16-12/18may12.b/p30177.d
Lab Smp Id: CCVIS-1519304
Inj Date : 18-MAY-2012 03:27
Operator : BNAMS 4 Inst ID: BNAMS10.i
Smp Info : CCVIS-1519304
Misc Info : 50ppm bna4658
Comment :
Method : /chem/BNAMS10.i/8270/05-16-12/18may12.b/8270C_11.m
Meth Date : 18-May-2012 03:54 asfawa Quant Type: ISTD
Cal Date : 16-MAY-2012 15:59 Cal File: p30119.d
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * Uf*1000*Vt/(Ws*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
106	1,4-Dioxane	88	1.639	1.639	(0.359)	396707	50.0000	45
19	N-Nitrosodimethylamine	74	1.886	1.886	(0.414)	599000	50.0000	45
71	Pyridine	79	1.909	1.909	(0.419)	1047564	50.0000	46
$ 16	2-Fluorophenol (SUR)	112	3.143	3.143	(0.689)	1005128	50.0000	46
110	Benzaldehyde	77	4.077	4.077	(0.894)	251902	50.0000	27
$ 17	Phenol-d5 (SUR)	99	4.177	4.177	(0.916)	1190411	50.0000	46
73	Aniline	93	4.201	4.201	(0.921)	1469927	50.0000	48
1	Phenol	94	4.195	4.195	(0.920)	1287038	50.0000	46
20	bis(2-Chloroethyl)ether	93	4.277	4.277	(0.938)	1030654	50.0000	44
2	2-Chlorophenol	128	4.336	4.336	(0.951)	1036826	50.0000	48
113	n-decane	43	4.400	4.400	(0.965)	937466	50.0000	51
21	1,3-Dichlorobenzene	146	4.494	4.494	(0.986)	1225941	50.0000	50
* 79	1,4-Dichlorobenzene-d4	152	4.559	4.559	(1.000)	631178	40.0000	

Data File: /chem/BNAMS10.i/8270/05-16-12/18may12.b/p30177.d
Report Date: 18-May-2012 03:54

		QUANT SIG					AMOUNTS CAL-AMT	ON-COL
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/ml)	(ug/ml)
	22 1,4-Dichlorobenzene	146	4.577	4.577	(1.004)	1216417	50.0000	50
	74 Benzyl Alcohol	108	4.718	4.718	(1.035)	646555	50.0000	50
	23 1,2-Dichlorobenzene	146	4.741	4.741	(1.040)	1135093	50.0000	50
	3 2-Methylphenol	108	4.847	4.847	(1.063)	876652	50.0000	47
	24 bis (2-chloroisopropyl) ether	45	4.865	4.865	(1.067)	1032814	50.0000	49
	104 Acetophenone	105	5.006	5.006	(1.098)	1303850	50.0000	48
	25 N-Nitroso-di-n-propylamine	70	5.017	5.017	(1.101)	676377	50.0000	49
	4 4-Methylphenol	108	5.017	5.017	(1.101)	839930	50.0000	44
	123 3 & 4 Methylphenol	108	5.017	5.017	(1.101)	835028	50.0000	43
	26 Hexachloroethane	117	5.105	5.105	(1.120)	471464	50.0000	50
$	76 Nitrobenzene-d5 (SUR)	82	5.164	5.164	(0.872)	1105686	50.0000	50
	27 Nitrobenzene	77	5.188	5.188	(0.876)	1385239	50.0000	48
	107 N,N-Dimethylaniline	120	5.188	5.188	(1.138)	1438476	50.0000	49
	28 Isophorone	82	5.440	5.440	(0.919)	1681955	50.0000	48
	5 2-Nitrophenol	139	5.523	5.523	(0.933)	541216	50.0000	49
	6 2,4-Dimethylphenol	122	5.581	5.581	(0.942)	826897	50.0000	48
	29 bis(2-Chloroethoxy)methane	93	5.681	5.681	(0.959)	1061104	50.0000	50
	15 Benzoic Acid	122	5.746	5.746	(0.970)	585392	50.0000	58
	7 2,4-Dichlorophenol	162	5.781	5.781	(0.976)	740601	50.0000	48
	30 1,2,4-Trichlorobenzene	180	5.863	5.863	(0.990)	896035	50.0000	49
*	80 Naphthalene-d8	136	5.922	5.922	(1.000)	2010946	40.0000	
	31 Naphthalene	128	5.940	5.940	(1.003)	2547166	50.0000	53
	32 4-Chloroaniline	127	6.004	6.004	(1.014)	978415	50.0000	48
	33 Hexachlorobutadiene	225	6.081	6.081	(1.027)	490294	50.0000	50
	111 Caprolactam	113	6.404	6.404	(1.081)	220345	50.0000	48
	8 4-Chloro-3-methylphenol	107	6.527	6.527	(1.102)	740675	50.0000	48
	34 2-Methylnaphthalene	142	6.663	6.663	(1.125)	1648966	50.0000	49
	120 1-Methylnaphthalene	142	6.762	6.762	(1.142)	1688412	50.0000	49
	35 Hexachlorocyclopentadiene	237	6.833	6.833	(0.886)	467421	50.0000	52
	129 1,2,4,5-Tetrachlorobenzene	216	6.839	6.839	(0.886)	732128	50.0000	50
	121 2-tert-Butyl-4-methylphenol	149	6.886	6.886	(1.163)	1171808	50.0000	50
	9 2,4,6-Trichlorophenol	196	6.956	6.956	(0.902)	473407	50.0000	50
	10 2,4,5-Trichlorophenol	196	6.997	6.997	(0.907)	475637	50.0000	51
$	77 2-Fluorobiphenyl (SUR)	172	7.044	7.044	(0.913)	1727638	50.0000	51
	102 Diphenyl	154	7.138	7.138	(0.925)	1878853	50.0000	52
	36 2-Chloronaphthalene	162	7.156	7.156	(0.928)	1434382	50.0000	51
	103 Diphenyl Ether	170	7.250	7.250	(0.940)	1051403	50.0000	51
	37 2-Nitroaniline	65	7.268	7.268	(0.942)	413240	50.0000	45
	125 1,3-Dimethylnaphthalene	156	7.379	7.379	(0.957)	1262906	50.0000	51
	38 Dimethylphthalate	163	7.456	7.456	(0.966)	1365988	50.0000	50
	114 Coumarin	146	7.473	7.473	(1.262)	476936	50.0000	49
	40 2,6-Dinitrotoluene	165	7.514	7.514	(0.974)	336167	50.0000	51
	39 Acenaphthylene	152	7.573	7.573	(0.982)	2130213	50.0000	50
	41 3-Nitroaniline	138	7.679	7.679	(0.995)	326408	50.0000	49
*	82 Acenaphthene-d10	164	7.714	7.714	(1.000)	985641	40.0000	
	42 Acenaphthene	154	7.750	7.750	(1.005)	1276718	50.0000	50
	122 2,6-Di-tert-butyl-p-cresol	205	7.750	7.750	(1.005)	1226748	50.0000	51

Data File: /chem/BNAMS10.i/8270/05-16-12/18may12.b/p30177.d
Report Date: 18-May-2012 03:54

		QUANT SIG					AMOUNTS CAL-AMT	ON-COL
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/ml)	(ug/ml)
	11 2,4-Dinitrophenol	184	7.785	7.785	(1.009)	169008	50.0000	46
	12 4-Nitrophenol	65	7.855	7.855	(1.018)	221568	50.0000	50
	44 2,4-Dinitrotoluene	165	7.914	7.914	(1.026)	401098	50.0000	51
	43 Dibenzofuran	168	7.920	7.920	(1.027)	1806113	50.0000	51
	130 2,3,4,6-Tetrachlorophenol	232	8.049	8.049	(1.043)	316001	50.0000	53
	45 Diethylphthalate	149	8.161	8.161	(1.058)	1314156	50.0000	50
	47 Fluorene	166	8.261	8.261	(1.071)	1436682	50.0000	51
	46 4-Chlorophenyl-phenylether	204	8.267	8.267	(1.072)	689766	50.0000	51
	48 4-Nitroaniline	138	8.290	8.290	(1.075)	264350	50.0000	43
	13 4,6-Dinitro-2-methylphenol	198	8.319	8.319	(0.905)	211304	50.0000	50
	49 N-Nitrosodiphenylamine	169	8.384	8.384	(0.912)	902236	50.0000	49
	75 1,2-Diphenylhydrazine	77	8.419	8.419	(0.916)	1601406	50.0000	52
$	18 2,4,6-Tribromophenol (SUR)	330	8.502	8.502	(1.102)	184265	50.0000	50
	50 4-Bromophenyl-phenylether	248	8.748	8.748	(0.952)	369894	50.0000	51
	51 Hexachlorobenzene	284	8.813	8.813	(0.959)	381082	50.0000	50
	112 Atrazine	200	8.919	8.919	(0.971)	307304	50.0000	49
	14 Pentachlorophenol	266	9.007	9.007	(0.980)	230155	50.0000	52
	132 Pentachloronitrobenzene	237	9.024	9.024	(0.982)	140238	50.0000	47
	115 n-Octadecane	57	9.095	9.095	(0.990)	834808	50.0000	53
*	83 Phenanthrene-d10	188	9.189	9.189	(1.000)	1202630	40.0000	
	52 Phenanthrene	178	9.213	9.213	(1.003)	1551325	50.0000	48
	53 Anthracene	178	9.260	9.260	(1.008)	1629065	50.0000	50
	54 Carbazole	167	9.424	9.424	(1.026)	1284410	50.0000	49
	55 Di-n-butylphthalate	149	9.771	9.771	(1.063)	1668180	50.0000	51
	56 Fluoranthene	202	10.382	10.382	(1.130)	1344956	50.0000	49
	58 Benzidine	184	10.517	10.517	(1.145)	125231	50.0000	26
	57 Pyrene	202	10.605	10.605	(0.888)	1313630	50.0000	48
$	78 Terphenyl-d14	244	10.764	10.764	(0.902)	900315	50.0000	49
	59 Butylbenzylphthalate	149	11.287	11.287	(0.945)	592483	50.0000	51
	109 2,3,7,8-TCDD (Screen)	320	11.392	11.392	(0.954)	1126	0.50000	0.42(a)
	124 Carbamazepine	193	11.404	11.404	(0.955)	428916	50.0000	52
	60 3,3'-Dichlorobenzidine	252	11.898	11.898	(0.997)	260527	50.0000	47
	61 Benzo(a)anthracene	228	11.921	11.921	(0.999)	934525	50.0000	49
*	81 Chrysene-d12	240	11.939	11.939	(1.000)	641767	40.0000	
	62 Chrysene	228	11.968	11.968	(1.002)	886814	50.0000	51
	63 bis(2-Ethylhexyl)phthalate	149	11.974	11.974	(1.003)	767033	50.0000	52
	64 Di-n-octylphthalate	149	12.820	12.820	(0.927)	1131136	50.0000	54
	65 Benzo(b)fluoranthene	252	13.314	13.314	(0.963)	749629	50.0000	51
	66 Benzo(k)fluoranthene	252	13.349	13.349	(0.965)	778555	50.0000	52
	67 Benzo(a)pyrene	252	13.754	13.754	(0.994)	614612	50.0000	52
*	84 Perylene-d12	264	13.831	13.831	(1.000)	445628	40.0000	
	68 Indeno(1,2,3-cd)pyrene	276	15.317	15.317	(1.107)	577183	50.0000	51
	69 Dibenz(a,h)anthracene	278	15.352	15.352	(1.110)	572015	50.0000	55
	70 Benzo(g,h,i)perylene	276	15.717	15.717	(1.136)	582962	50.0000	54

Data File: /chem/BNAMS10.i/8270/05-16-12/18may12.b/p30177.d
Report Date: 18-May-2012 03:54

QC Flag Legend

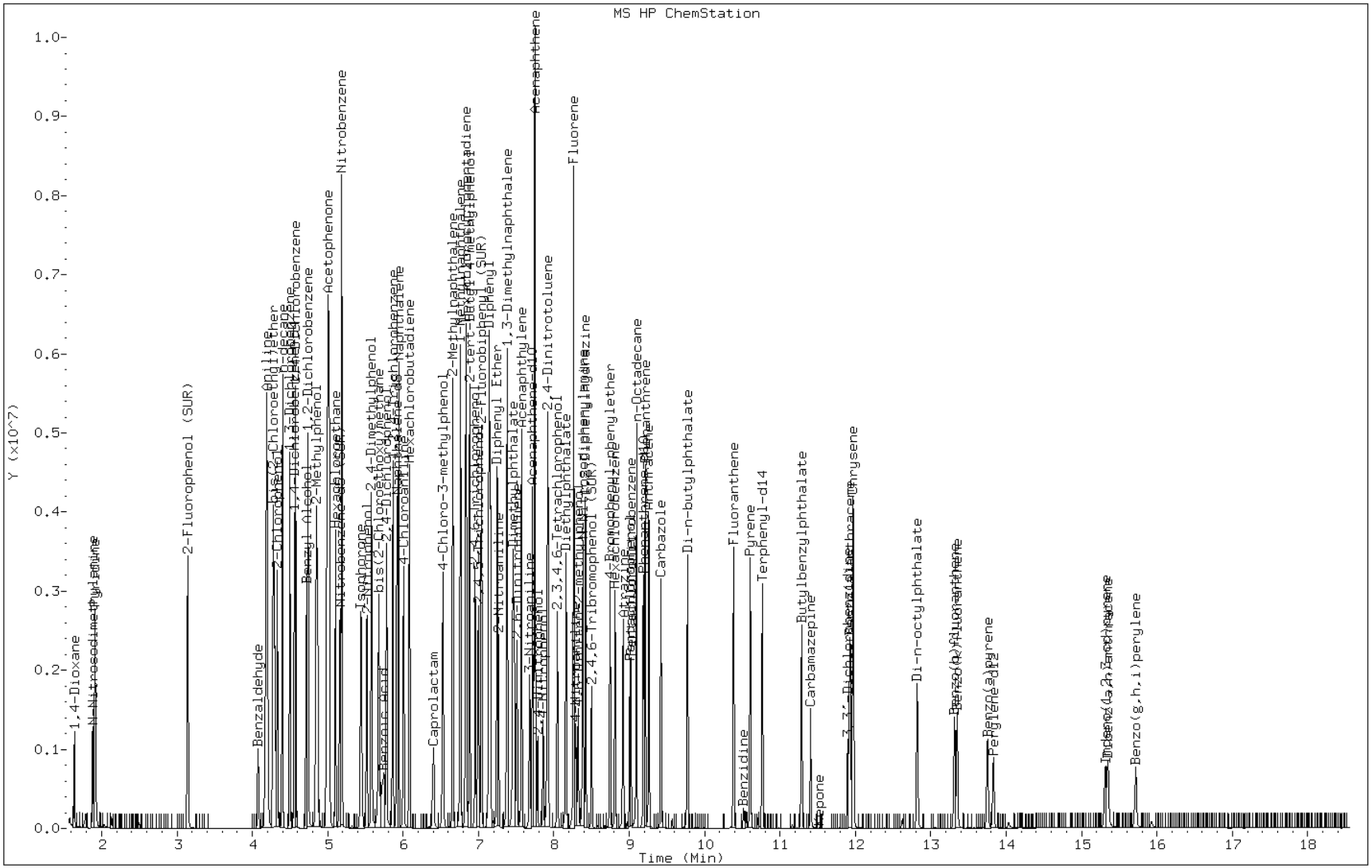
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).

Data File: p30177.d

Date: 18-MAY-2012 03:27

Client ID: Instrument: BNAMS10.i

Sample Info: CCVIS-1519304 Operator: BNAMS 4



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Lab Sample ID: CCVIS 460-113356/2 Calibration Date: 05/20/2012 18:26

Instrument ID: BNAMS10 Calib Start Date: 05/16/2012 13:38

GC Column: Rtx-5MS ID: 0.25(mm) Calib End Date: 05/16/2012 15:59

Lab File ID: p30204.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5589	0.5826		52100	50000	4.2	20.0
N-Nitrosodimethylamine	Ave	0.8380	0.8069		48100	50000	-3.7	20.0
Pyridine	Ave	1.455	1.454		50000	50000	-0.0	20.0
2-Fluorophenol	Ave	1.370	1.293		47200	50000	-5.6	20.0
Benzaldehyde	Ave	0.5893	0.3358		28500	50000	-43.0*	20.0
Phenol-d5	Ave	1.632	1.436		44000	50000	-12.0	20.0
Phenol	Ave	1.768	1.583		44800	50000	-10.5	20.0
Aniline	Ave	1.924	1.767		45900	50000	-8.1	20.0
Bis(2-chloroethyl)ether	Ave	1.486	1.261		42400	50000	-15.1	20.0
2-Chlorophenol	Ave	1.376	1.273		46300	50000	-7.5	20.0
Decane	Ave	1.166	1.192		51100	50000	2.3	20.0
1,3-Dichlorobenzene	Ave	1.554	1.585		51000	50000	2.0	20.0
1,4-Dichlorobenzene	Ave	1.538	1.577		51300	50000	2.6	20.0
Benzyl alcohol	Ave	0.8109	0.7497		46200	50000	-7.6	20.0
1,2-Dichlorobenzene	Ave	1.443	1.471		51000	50000	1.9	20.0
2-Methylphenol	Ave	1.187	1.047		44100	50000	-11.8	20.0
2,2'-oxybis[1-chloropropane]	Ave	1.334	1.190		44600	50000	-10.8	20.0
Acetophenone	Ave	1.733	1.562		45100	50000	-9.9	20.0
3 & 4 Methylphenol	Ave	1.230	1.033		42000	50000	-16.0	20.0
4-Methylphenol	Ave	1.219	1.033		42400	50000	-15.3	20.0
N-Nitrosodi-n-propylamine	Ave	0.8736	0.7747	0.0500	44300	50000	-11.3	20.0
Hexachloroethane	Ave	0.6000	0.5919		49300	50000	-1.3	20.0
Nitrobenzene-d5	Ave	0.4424	0.4321		48800	50000	-2.3	20.0
Nitrobenzene	Ave	0.5747	0.5531		48100	50000	-3.8	20.0
n,n'-Dimethylaniline	Ave	1.851	1.751		47300	50000	-5.4	20.0
Isophorone	Ave	0.7011	0.6291		44900	50000	-10.3	20.0
2-Nitrophenol	Ave	0.2197	0.2109		48000	50000	-4.0	20.0
2,4-Dimethylphenol	Ave	0.3427	0.3222		47000	50000	-6.0	20.0
Bis(2-chloroethoxy)methane	Ave	0.4237	0.3972		46900	50000	-6.3	20.0
Benzoic acid	Ave	0.2019	0.2143		53100	50000	6.1	20.0
2,4-Dichlorophenol	Ave	0.3061	0.2914		47600	50000	-4.8	20.0
1,2,4-Trichlorobenzene	Ave	0.3634	0.3637		50000	50000	0.0	20.0
Naphthalene	QuaF	1.027	1.042		54700	50000	9.5	20.0
4-Chloroaniline	Ave	0.4042	0.3800		47000	50000	-6.0	20.0
Hexachlorobutadiene	Ave	0.1970	0.2031		51500	50000	3.1	20.0
Caprolactam	Ave	0.0919	0.0869		47300	50000	-5.4	20.0
4-Chloro-3-methylphenol	Ave	0.3066	0.2745		44800	50000	-10.5	20.0
2-Methylnaphthalene	Ave	0.6697	0.6479		48400	50000	-3.2	20.0
1-Methylnaphthalene	Ave	0.6851	0.6684		48800	50000	-2.4	20.0
Hexachlorocyclopentadiene	Ave	0.3611	0.4031	0.0500	55800	50000	11.6	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.5965	0.6265		52500	50000	5.0	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Lab Sample ID: CCVIS 460-113356/2 Calibration Date: 05/20/2012 18:26

Instrument ID: BNAMS10 Calib Start Date: 05/16/2012 13:38

GC Column: Rtx-5MS ID: 0.25(mm) Calib End Date: 05/16/2012 15:59

Lab File ID: p30204.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-tertbutyl-4-methylphenol	Ave	0.4682	0.4448		47500	50000	-5.0	20.0
2,4,6-Trichlorophenol	Ave	0.3846	0.3743		48700	50000	-2.7	20.0
2,4,5-Trichlorophenol	Ave	0.3756	0.3788		50400	50000	0.8	20.0
2-Fluorobiphenyl	Ave	1.368	1.428		52200	50000	4.4	20.0
Diphenyl	Ave	1.479	1.587		53600	50000	7.3	20.0
2-Chloronaphthalene	Ave	1.148	1.179		51300	50000	2.7	20.0
Diphenyl ether	Ave	0.8414	0.8660		51500	50000	2.9	20.0
2-Nitroaniline	Ave	0.3706	0.3930		53000	50000	6.1	20.0
Dimethylnaphthalene, total	Ave	1.005	1.040		51700	50000	3.5	20.0
Dimethyl phthalate	Ave	1.114	1.118		50200	50000	0.4	20.0
Coumarin	Ave	0.1944	0.1843		47400	50000	-5.2	20.0
2,6-Dinitrotoluene	Ave	0.2695	0.2685		49800	50000	-0.4	20.0
Acenaphthylene	Ave	1.717	1.756		51100	50000	2.3	20.0
3-Nitroaniline	Ave	0.2690	0.2647		49200	50000	-1.6	20.0
Acenaphthene	Ave	1.034	1.045		50500	50000	1.0	20.0
3,5-di-tert-butyl-4-hydroxytol	Ave	0.9739	1.007		51700	50000	3.4	20.0
2,4-Dinitrophenol	QuaF	0.1360	0.1406	0.0500	46800	50000	-6.5	20.0
4-Nitrophenol	Ave	0.1791	0.1812	0.0500	50600	50000	1.2	20.0
2,4-Dinitrotoluene	Ave	0.3187	0.3205		50300	50000	0.6	20.0
Dibenzofuran	Ave	1.447	1.480		51100	50000	2.3	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.2436	0.2420		49700	50000	-0.7	20.0
Diethyl phthalate	Ave	1.063	1.058		49800	50000	-0.5	20.0
4-Chlorophenyl phenyl ether	Ave	0.5436	0.5587		51400	50000	2.8	20.0
Fluorene	Ave	1.138	1.172		51500	50000	2.9	20.0
4-Nitroaniline	Ave	0.2478	0.2314		46700	50000	-6.6	20.0
4,6-Dinitro-2-methylphenol	Ave	0.1401	0.1495		53400	50000	6.7	20.0
N-Nitrosodiphenylamine	Ave	0.6118	0.5931		48500	50000	-3.1	20.0
1,2-Diphenylhydrazine	Ave	1.021	1.062		52000	50000	4.0	20.0
2,4,6-Tribromophenol	Ave	0.1493	0.1390		46500	50000	-6.9	20.0
4-Bromophenyl phenyl ether	Ave	0.2394	0.2415		50500	50000	0.9	20.0
Hexachlorobenzene	Ave	0.2537	0.2559		50400	50000	0.8	20.0
Atrazine	Ave	0.2101	0.2170		51600	50000	3.3	20.0
Pentachlorophenol	Ave	0.1482	0.1490		50300	50000	0.5	20.0
Pentachloronitrobenzene	Ave	0.0992	0.0974		49100	50000	-1.8	
n-Octadecane	Ave	0.5215	0.5168		49500	50000	-0.9	20.0
Phenanthrene	Ave	1.079	1.094		50700	50000	1.4	20.0
Anthracene	Ave	1.088	1.129		51900	50000	3.8	20.0
Carbazole	Ave	0.8705	0.9144		52500	50000	5.0	20.0
Di-n-butyl phthalate	Ave	1.083	1.123		51900	50000	3.7	20.0
Fluoranthene	Ave	0.9052	0.9647		53300	50000	6.6	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Lab Sample ID: CCVIS 460-113356/2 Calibration Date: 05/20/2012 18:26

Instrument ID: BNAMS10 Calib Start Date: 05/16/2012 13:38

GC Column: Rtx-5MS ID: 0.25(mm) Calib End Date: 05/16/2012 15:59

Lab File ID: p30204.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzidine	Ave	0.1632	0.1058		32400	50000	-35.2*	20.0
Pyrene	Ave	1.713	1.572		45900	50000	-8.2	20.0
Terphenyl-d14	Ave	1.150	1.016		44200	50000	-11.7	20.0
Butyl benzyl phthalate	Ave	0.7240	0.6573		45400	50000	-9.2	20.0
2,3,7,8-TCDD (Screen)	Ave	0.1679	0.1726		514	500	2.8	20.0
Carbamazepine	QuaF	0.4707	0.5145		50200	50000	0.3	20.0
3,3'-Dichlorobenzidine	Ave	0.3440	0.3476		50500	50000	1.0	20.0
Benzo[a]anthracene	Ave	1.194	1.172		49100	50000	-1.8	20.0
Chrysene	Ave	1.081	1.132		52300	50000	4.7	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.9274	0.8666		46700	50000	-6.6	20.0
Di-n-octyl phthalate	Ave	1.874	1.647		44000	50000	-12.1	20.0
Benzo[b]fluoranthene	Ave	1.311	1.335		50900	50000	1.9	20.0
Benzo[k]fluoranthene	Ave	1.330	1.332		50100	50000	0.1	20.0
Benzo[a]pyrene	Ave	1.051	1.089		51800	50000	3.6	20.0
Indeno[1,2,3-cd]pyrene	QuaF	0.9624	1.118		54800	50000	9.6	20.0
Dibenz(a,h)anthracene	Ave	0.9394	1.098		58400	50000	16.8	20.0
Benzo[g,h,i]perylene	Ave	0.9769	1.112		56900	50000	13.8	20.0

Data File: /chem/BNAMS10.i/8270/05-16-12/20may12.b/p30204.d
Report Date: 20-May-2012 18:47

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS10.i/8270/05-16-12/20may12.b/p30204.d
Lab Smp Id: CCVIS-1519304
Inj Date : 20-MAY-2012 18:26
Operator : BNAMS 4 Inst ID: BNAMS10.i
Smp Info : CCVIS-1519304
Misc Info :
Comment :
Method : /chem/BNAMS10.i/8270/05-16-12/20may12.b/8270C_11.m
Meth Date : 20-May-2012 18:47 asfawa Quant Type: ISTD
Cal Date : 16-MAY-2012 15:59 Cal File: p30119.d
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * Uf*1000*Vt/(Ws*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
	106 1,4-Dioxane	88	1.579	1.579	(0.352)	364416	50.0000	52
	19 N-Nitrosodimethylamine	74	1.820	1.820	(0.406)	504731	50.0000	48
	71 Pyridine	79	1.849	1.849	(0.412)	909677	50.0000	50
$	16 2-Fluorophenol (SUR)	112	3.065	3.065	(0.683)	808748	50.0000	47
	110 Benzaldehyde	77	4.000	4.000	(0.891)	210031	50.0000	28
$	17 Phenol-d5 (SUR)	99	4.100	4.100	(0.914)	898065	50.0000	44
	73 Aniline	93	4.129	4.129	(0.920)	1105507	50.0000	46
	1 Phenol	94	4.117	4.117	(0.918)	990053	50.0000	45
	20 bis(2-Chloroethyl)ether	93	4.205	4.205	(0.937)	788759	50.0000	42
	2 2-Chlorophenol	128	4.258	4.258	(0.949)	796362	50.0000	46
	113 n-decane	43	4.329	4.329	(0.965)	745719	50.0000	51
	21 1,3-Dichlorobenzene	146	4.429	4.429	(0.987)	991285	50.0000	51
*	79 1,4-Dichlorobenzene-d4	152	4.487	4.487	(1.000)	500431	40.0000	

Data File: /chem/BNAMS10.i/8270/05-16-12/20may12.b/p30204.d
Report Date: 20-May-2012 18:47

		QUANT SIG					AMOUNTS	
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
	22 1,4-Dichlorobenzene	146	4.505	4.505	(1.004)	986618	50.0000	51
	74 Benzyl Alcohol	108	4.646	4.646	(1.035)	468948	50.0000	46
	23 1,2-Dichlorobenzene	146	4.669	4.669	(1.041)	919917	50.0000	51
	3 2-Methylphenol	108	4.775	4.775	(1.064)	655067	50.0000	44
	24 bis (2-chloroisopropyl) ether	45	4.799	4.799	(1.069)	744199	50.0000	45
	104 Acetophenone	105	4.934	4.934	(1.099)	976863	50.0000	45
	25 N-Nitroso-di-n-propylamine	70	4.946	4.946	(1.102)	484630	50.0000	44
	4 4-Methylphenol	108	4.946	4.946	(1.102)	646164	50.0000	42
	123 3 & 4 Methylphenol	108	4.946	4.946	(1.102)	646164	50.0000	42
	26 Hexachloroethane	117	5.034	5.034	(1.122)	370281	50.0000	49
$	76 Nitrobenzene-d5 (SUR)	82	5.093	5.093	(0.870)	816335	50.0000	49
	27 Nitrobenzene	77	5.116	5.116	(0.874)	1044935	50.0000	48
	107 N,N-Dimethylaniline	120	5.122	5.122	(1.141)	1095462	50.0000	47
	28 Isophorone	82	5.375	5.375	(0.919)	1188495	50.0000	45
	5 2-Nitrophenol	139	5.451	5.451	(0.932)	398395	50.0000	48
	6 2,4-Dimethylphenol	122	5.516	5.516	(0.943)	608767	50.0000	47
	29 bis(2-Chloroethoxy)methane	93	5.615	5.615	(0.960)	750433	50.0000	47
	15 Benzoic Acid	122	5.668	5.668	(0.969)	404788	50.0000	53
	7 2,4-Dichlorophenol	162	5.709	5.709	(0.976)	550625	50.0000	48
	30 1,2,4-Trichlorobenzene	180	5.798	5.798	(0.991)	687058	50.0000	50
*	80 Naphthalene-d8	136	5.850	5.850	(1.000)	1511439	40.0000	
	31 Naphthalene	128	5.874	5.874	(1.004)	1969055	50.0000	55
	32 4-Chloroaniline	127	5.939	5.939	(1.015)	717881	50.0000	47
	33 Hexachlorobutadiene	225	6.015	6.015	(1.028)	383631	50.0000	52
	111 Caprolactam	113	6.320	6.320	(1.080)	164213	50.0000	47
	8 4-Chloro-3-methylphenol	107	6.462	6.462	(1.104)	518625	50.0000	45
	34 2-Methylnaphthalene	142	6.591	6.591	(1.127)	1224102	50.0000	48
	120 1-Methylnaphthalene	142	6.697	6.697	(1.145)	1262801	50.0000	49
	35 Hexachlorocyclopentadiene	237	6.767	6.767	(0.881)	360486	50.0000	56
	129 1,2,4,5-Tetrachlorobenzene	216	6.773	6.773	(0.881)	560197	50.0000	52(H)
	121 2-tert-Butyl-4-methylphenol	149	6.820	6.820	(1.166)	840391	50.0000	47(H)
	9 2,4,6-Trichlorophenol	196	6.890	6.890	(0.897)	334709	50.0000	49(H)
	10 2,4,5-Trichlorophenol	196	6.926	6.926	(0.901)	338682	50.0000	50
$	77 2-Fluorobiphenyl (SUR)	172	6.973	6.973	(0.907)	1277036	50.0000	52(H)
	102 Diphenyl	154	7.073	7.073	(0.920)	1419277	50.0000	54
	36 2-Chloronaphthalene	162	7.090	7.090	(0.923)	1054230	50.0000	51
	103 Diphenyl Ether	170	7.178	7.178	(0.934)	774355	50.0000	51
	37 2-Nitroaniline	65	7.196	7.196	(0.937)	351433	50.0000	53
	125 1,3-Dimethylnaphthalene	156	7.313	7.313	(0.952)	930138	50.0000	52
	38 Dimethylphthalate	163	7.390	7.390	(0.962)	1000134	50.0000	50
	114 Coumarin	146	7.402	7.402	(1.265)	348135	50.0000	47
	40 2,6-Dinitrotoluene	165	7.443	7.443	(0.969)	240097	50.0000	50(H)
	39 Acenaphthylene	152	7.501	7.501	(0.976)	1569979	50.0000	51
	41 3-Nitroaniline	138	7.613	7.613	(0.991)	236731	50.0000	49(H)
*	82 Acenaphthene-d10	164	7.648	7.648	(1.000)	715368	40.0000	(H)
	42 Acenaphthene	154	7.678	7.678	(0.999)	934239	50.0000	50(H)
	122 2,6-Di-tert-butyl-p-cresol	205	7.684	7.684	(1.000)	900575	50.0000	52

Data File: /chem/BNAMS10.i/8270/05-16-12/20may12.b/p30204.d
Report Date: 20-May-2012 18:47

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
	11 2,4-Dinitrophenol	184	7.713	7.713	(1.004)	125759	50.0000	47
	12 4-Nitrophenol	65	7.784	7.784	(1.013)	161993	50.0000	50(H)
	44 2,4-Dinitrotoluene	165	7.848	7.848	(1.021)	286583	50.0000	50
	43 Dibenzofuran	168	7.854	7.854	(1.022)	1323044	50.0000	51
	130 2,3,4,6-Tetrachlorophenol	232	7.977	7.977	(1.038)	216383	50.0000	50(H)
	45 Diethylphthalate	149	8.095	8.095	(1.054)	945627	50.0000	50
	47 Fluorene	166	8.195	8.195	(1.067)	1047810	50.0000	51
	46 4-Chlorophenyl-phenylether	204	8.195	8.195	(1.067)	499566	50.0000	51
	48 4-Nitroaniline	138	8.218	8.218	(1.070)	206877	50.0000	47
	13 4,6-Dinitro-2-methylphenol	198	8.254	8.254	(0.905)	159826	50.0000	53
	49 N-Nitrosodiphenylamine	169	8.318	8.318	(0.912)	633927	50.0000	48
	75 1,2-Diphenylhydrazine	77	8.353	8.353	(0.916)	1135308	50.0000	52
$	18 2,4,6-Tribromophenol (SUR)	330	8.430	8.430	(1.097)	124331	50.0000	46
	50 4-Bromophenyl-phenylether	248	8.682	8.682	(0.952)	258151	50.0000	50
	51 Hexachlorobenzene	284	8.747	8.747	(0.959)	273459	50.0000	50
	112 Atrazine	200	8.853	8.853	(0.971)	231920	50.0000	52
	14 Pentachlorophenol	266	8.935	8.935	(0.980)	159287	50.0000	50
	132 Pentachloronitrobenzene	237	8.953	8.953	(0.982)	104148	50.0000	49
	115 n-Octadecane	57	9.029	9.029	(0.990)	552339	50.0000	50
*	83 Phenanthrene-d10	188	9.117	9.117	(1.000)	855075	40.0000	
	52 Phenanthrene	178	9.141	9.141	(1.003)	1169339	50.0000	51
	53 Anthracene	178	9.194	9.194	(1.008)	1206743	50.0000	52
	54 Carbazole	167	9.352	9.352	(1.026)	977387	50.0000	52
	55 Di-n-butylphthalate	149	9.705	9.705	(1.064)	1200784	50.0000	52
	56 Fluoranthene	202	10.310	10.310	(1.131)	1031123	50.0000	53
	58 Benzidine	184	10.445	10.445	(1.146)	113077	50.0000	32
	57 Pyrene	202	10.533	10.533	(0.889)	1064686	50.0000	46
$	78 Terphenyl-d14	244	10.692	10.692	(0.902)	688029	50.0000	44
	59 Butylbenzylphthalate	149	11.209	11.209	(0.946)	445284	50.0000	45
	109 2,3,7,8-TCDD (Screen)	320	11.315	11.315	(0.955)	1169	0.50000	0.51
	124 Carbamazepine	193	11.326	11.326	(0.956)	348546	50.0000	50
	60 3,3'-Dichlorobenzidine	252	11.814	11.814	(0.997)	235470	50.0000	50
	61 Benzo(a)anthracene	228	11.838	11.838	(0.999)	794210	50.0000	49
*	81 Chrysene-d12	240	11.849	11.849	(1.000)	541950	40.0000	
	62 Chrysene	228	11.879	11.879	(1.002)	766610	50.0000	52
	63 bis(2-Ethylhexyl)phthalate	149	11.891	11.891	(1.003)	587063	50.0000	47
	64 Di-n-octylphthalate	149	12.731	12.731	(0.928)	892644	50.0000	44
	65 Benzo(b)fluoranthene	252	13.213	13.213	(0.963)	723550	50.0000	51
	66 Benzo(k)fluoranthene	252	13.248	13.248	(0.965)	721692	50.0000	50
	67 Benzo(a)pyrene	252	13.647	13.647	(0.994)	590168	50.0000	52
*	84 Perylene-d12	264	13.724	13.724	(1.000)	433486	40.0000	
	68 Indeno(1,2,3-cd)pyrene	276	15.187	15.187	(1.107)	606052	50.0000	55
	69 Dibenz(a,h)anthracene	278	15.222	15.222	(1.109)	594787	50.0000	58
	70 Benzo(g,h,i)perylene	276	15.580	15.580	(1.135)	602424	50.0000	57

Data File: /chem/BNAMS10.i/8270/05-16-12/20may12.b/p30204.d
Report Date: 20-May-2012 18:47

QC Flag Legend

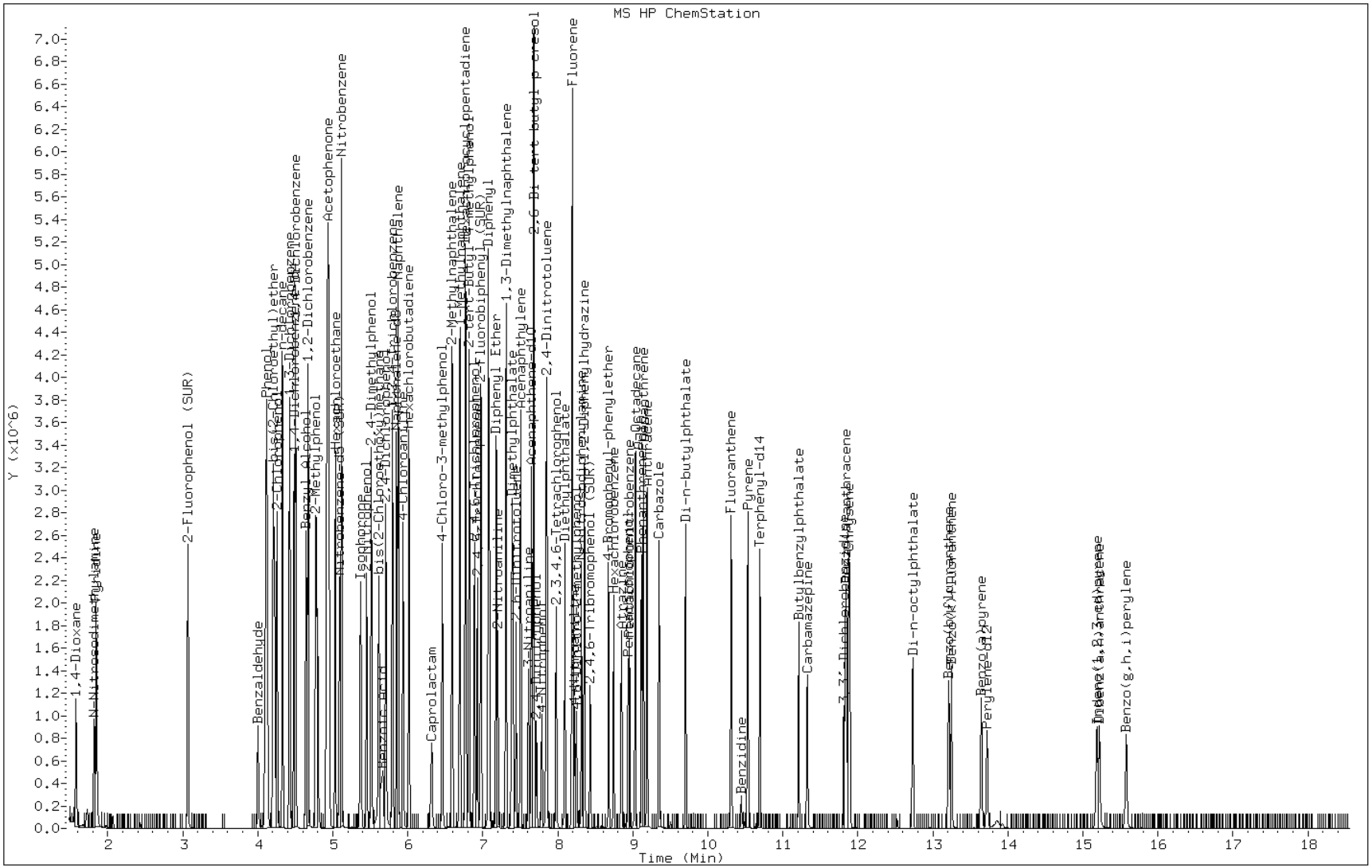
H - Operator selected an alternate compound hit.

Data File: p30204.d

Date: 20-MAY-2012 18:26

Client ID: Instrument: BNAMS10.i

Sample Info: CCVIS-1519304 Operator: BNAMS 4



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Lab Sample ID: CCVIS 460-113487/2 Calibration Date: 05/21/2012 15:59

Instrument ID: BNAMS10 Calib Start Date: 05/16/2012 13:38

GC Column: Rtx-5MS ID: 0.25(mm) Calib End Date: 05/16/2012 15:59

Lab File ID: p30241.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5589	0.5601		50100	50000	0.2	20.0
N-Nitrosodimethylamine	Ave	0.8380	0.8089		48300	50000	-3.5	20.0
Pyridine	Ave	1.455	1.409		48400	50000	-3.1	20.0
2-Fluorophenol	Ave	1.370	1.305		47600	50000	-4.7	20.0
Benzaldehyde	Ave	0.5893	0.2866		24300	50000	-51.4*	20.0
Phenol-d5	Ave	1.632	1.520		46600	50000	-6.8	20.0
Phenol	Ave	1.768	1.624		45900	50000	-8.2	20.0
Aniline	Ave	1.924	1.832		47600	50000	-4.8	20.0
Bis(2-chloroethyl)ether	Ave	1.486	1.290		43400	50000	-13.2	20.0
2-Chlorophenol	Ave	1.376	1.292		47000	50000	-6.1	20.0
Decane	Ave	1.166	1.196		51300	50000	2.6	20.0
1,3-Dichlorobenzene	Ave	1.554	1.544		49700	50000	-0.6	20.0
1,4-Dichlorobenzene	Ave	1.538	1.528		49700	50000	-0.6	20.0
Benzyl alcohol	Ave	0.8109	0.8105		50000	50000	-0.0	20.0
1,2-Dichlorobenzene	Ave	1.443	1.441		49900	50000	-0.1	20.0
2-Methylphenol	Ave	1.187	1.099		46300	50000	-7.4	20.0
2,2'-oxybis[1-chloropropane]	Ave	1.334	1.286		48200	50000	-3.5	20.0
Acetophenone	Ave	1.733	1.610		46500	50000	-7.1	20.0
N-Nitrosodi-n-propylamine	Ave	0.8736	0.7741	0.0500	44300	50000	-11.4	20.0
3 & 4 Methylphenol	Ave	1.230	1.047		42600	50000	-14.9	20.0
4-Methylphenol	Ave	1.219	1.051		43100	50000	-13.8	20.0
Hexachloroethane	Ave	0.6000	0.5972		49800	50000	-0.5	20.0
Nitrobenzene-d5	Ave	0.4424	0.4438		50200	50000	0.3	20.0
Nitrobenzene	Ave	0.5747	0.5613		48800	50000	-2.3	20.0
n,n'-Dimethylaniline	Ave	1.851	1.770		47800	50000	-4.4	20.0
Isophorone	Ave	0.7011	0.6833		48700	50000	-2.5	20.0
2-Nitrophenol	Ave	0.2197	0.2208		50200	50000	0.5	20.0
2,4-Dimethylphenol	Ave	0.3427	0.3411		49800	50000	-0.5	20.0
Bis(2-chloroethoxy)methane	Ave	0.4237	0.4225		49900	50000	-0.3	20.0
Benzoic acid	Ave	0.2019	0.2027		50200	50000	0.4	20.0
2,4-Dichlorophenol	Ave	0.3061	0.3017		49300	50000	-1.5	20.0
1,2,4-Trichlorobenzene	Ave	0.3634	0.3615		49700	50000	-0.5	20.0
Naphthalene	QuaF	1.027	1.009		52500	50000	5.0	20.0
4-Chloroaniline	Ave	0.4042	0.3967		49100	50000	-1.9	20.0
Hexachlorobutadiene	Ave	0.1970	0.1965		49900	50000	-0.2	20.0
Caprolactam	Ave	0.0919	0.0982		53400	50000	6.9	20.0
4-Chloro-3-methylphenol	Ave	0.3066	0.3049		49700	50000	-0.5	20.0
2-Methylnaphthalene	Ave	0.6697	0.6647		49600	50000	-0.7	20.0
1-Methylnaphthalene	Ave	0.6851	0.6811		49700	50000	-0.6	20.0
Hexachlorocyclopentadiene	Ave	0.3611	0.3825	0.0500	53000	50000	5.9	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.5965	0.5807		48700	50000	-2.6	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Lab Sample ID: CCVIS 460-113487/2 Calibration Date: 05/21/2012 15:59

Instrument ID: BNAMS10 Calib Start Date: 05/16/2012 13:38

GC Column: Rtx-5MS ID: 0.25(mm) Calib End Date: 05/16/2012 15:59

Lab File ID: p30241.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-tertbutyl-4-methylphenol	Ave	0.4682	0.4703		50200	50000	0.4	20.0
2,4,6-Trichlorophenol	Ave	0.3846	0.3798		49400	50000	-1.3	20.0
2,4,5-Trichlorophenol	Ave	0.3756	0.3856		51300	50000	2.7	20.0
2-Fluorobiphenyl	Ave	1.368	1.337		48900	50000	-2.3	20.0
Diphenyl	Ave	1.479	1.469		49600	50000	-0.7	20.0
2-Chloronaphthalene	Ave	1.148	1.131		49200	50000	-1.5	20.0
Diphenyl ether	Ave	0.8414	0.8255		49100	50000	-1.9	20.0
2-Nitroaniline	Ave	0.3706	0.3267		44100	50000	-11.9	20.0
Dimethylnaphthalene, total	Ave	1.005	1.013		50400	50000	0.8	20.0
Dimethyl phthalate	Ave	1.114	1.115		50000	50000	0.0	20.0
Coumarin	Ave	0.1944	0.2052		52800	50000	5.5	20.0
2,6-Dinitrotoluene	Ave	0.2695	0.2806		52100	50000	4.1	20.0
Acenaphthylene	Ave	1.717	1.685		49100	50000	-1.9	20.0
3-Nitroaniline	Ave	0.2690	0.2708		50300	50000	0.7	20.0
3,5-di-tert-butyl-4-hydroxytol	Ave	0.9739	0.9682		49700	50000	-0.6	20.0
Acenaphthene	Ave	1.034	1.021		49400	50000	-1.2	20.0
2,4-Dinitrophenol	QuaF	0.1360	0.1553	0.0500	51500	50000	3.0	20.0
4-Nitrophenol	Ave	0.1791	0.1978	0.0500	55200	50000	10.4	20.0
2,4-Dinitrotoluene	Ave	0.3187	0.3352		52600	50000	5.2	20.0
Dibenzofuran	Ave	1.447	1.440		49800	50000	-0.5	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.2436	0.2639		54200	50000	8.3	20.0
Diethyl phthalate	Ave	1.063	1.077		50700	50000	1.4	20.0
Fluorene	Ave	1.138	1.154		50700	50000	1.4	20.0
4-Chlorophenyl phenyl ether	Ave	0.5436	0.5542		51000	50000	1.9	20.0
4-Nitroaniline	Ave	0.2478	0.2351		47400	50000	-5.1	20.0
4,6-Dinitro-2-methylphenol	Ave	0.1401	0.1508		53800	50000	7.6	20.0
N-Nitrosodiphenylamine	Ave	0.6118	0.5921		48400	50000	-3.2	20.0
1,2-Diphenylhydrazine	Ave	1.021	1.048		51300	50000	2.6	20.0
2,4,6-Tribromophenol	Ave	0.1493	0.1544		51700	50000	3.3	20.0
4-Bromophenyl phenyl ether	Ave	0.2394	0.2419		50500	50000	1.1	20.0
Hexachlorobenzene	Ave	0.2537	0.2493		49100	50000	-1.7	20.0
Atrazine	Ave	0.2101	0.2126		50600	50000	1.2	20.0
Pentachlorophenol	Ave	0.1482	0.1544		52100	50000	4.1	20.0
Pentachloronitrobenzene	Ave	0.0992	0.0949		47800	50000	-4.3	
n-Octadecane	Ave	0.5215	0.5243		50300	50000	0.5	20.0
Phenanthrene	Ave	1.079	1.079		50000	50000	-0.0	20.0
Anthracene	Ave	1.088	1.099		50500	50000	1.1	20.0
Carbazole	Ave	0.8705	0.8920		51200	50000	2.5	20.0
Di-n-butyl phthalate	Ave	1.083	1.118		51600	50000	3.3	20.0
Fluoranthene	Ave	0.9052	0.9321		51500	50000	3.0	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Lab Sample ID: CCVIS 460-113487/2 Calibration Date: 05/21/2012 15:59

Instrument ID: BNAMS10 Calib Start Date: 05/16/2012 13:38

GC Column: Rtx-5MS ID: 0.25(mm) Calib End Date: 05/16/2012 15:59

Lab File ID: p30241.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzidine	Ave	0.1632	0.0566		17300	50000	-65.3*	20.0
Pyrene	Ave	1.713	1.702		49700	50000	-0.6	20.0
Terphenyl-d14	Ave	1.150	1.156		50300	50000	0.5	20.0
Butyl benzyl phthalate	Ave	0.7240	0.7247		50000	50000	0.0	20.0
2,3,7,8-TCDD (Screen)	Ave	0.1679	0.1961		584	500	16.8	20.0
Carbamazepine	QuaF	0.4707	0.4879		47600	50000	-4.8	20.0
3,3'-Dichlorobenzidine	Ave	0.3440	0.3313		48100	50000	-3.7	20.0
Benzo[a]anthracene	Ave	1.194	1.186		49700	50000	-0.6	20.0
Chrysene	Ave	1.081	1.087		50300	50000	0.5	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.9274	0.9128		49200	50000	-1.6	20.0
Di-n-octyl phthalate	Ave	1.874	1.935		51600	50000	3.3	20.0
Benzo[b]fluoranthene	Ave	1.311	1.331		50800	50000	1.5	20.0
Benzo[k]fluoranthene	Ave	1.330	1.422		53500	50000	6.9	20.0
Benzo[a]pyrene	Ave	1.051	1.119		53200	50000	6.5	20.0
Indeno[1,2,3-cd]pyrene	QuaF	0.9624	1.036		51000	50000	2.1	20.0
Dibenz(a,h)anthracene	Ave	0.9394	1.038		55300	50000	10.5	20.0
Benzo[g,h,i]perylene	Ave	0.9769	1.038		53100	50000	6.3	20.0

Data File: /chem/BNAMS10.i/8270/05-16-12/21may12a.b/p30241.d
Report Date: 21-May-2012 16:16

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS10.i/8270/05-16-12/21may12a.b/p30241.d
Lab Smp Id: CCVIS-1519304
Inj Date : 21-MAY-2012 15:59
Operator : BNAMS 4 Inst ID: BNAMS10.i
Smp Info : CCVIS-1519304
Misc Info : 50ppm bna4658
Comment :
Method : /chem/BNAMS10.i/8270/05-16-12/21may12a.b/8270C_11.m
Meth Date : 21-May-2012 16:16 czhao Quant Type: ISTD
Cal Date : 16-MAY-2012 15:59 Cal File: p30119.d
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * Uf*1000*Vt/(Ws*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
	106 1,4-Dioxane	88	1.585	1.585	(0.356)	485467	50.0000	50
	19 N-Nitrosodimethylamine	74	1.826	1.826	(0.410)	701132	50.0000	48
	71 Pyridine	79	1.855	1.855	(0.416)	1221533	50.0000	48
$	16 2-Fluorophenol (SUR)	112	3.054	3.054	(0.685)	1131438	50.0000	48
	110 Benzaldehyde	77	3.976	3.976	(0.892)	248408	50.0000	24
$	17 Phenol-d5 (SUR)	99	4.082	4.082	(0.916)	1317782	50.0000	46
	73 Aniline	93	4.106	4.106	(0.921)	1587809	50.0000	48
	1 Phenol	94	4.100	4.100	(0.920)	1407298	50.0000	46
	20 bis(2-Chloroethyl)ether	93	4.182	4.182	(0.938)	1118203	50.0000	43
	2 2-Chlorophenol	128	4.235	4.235	(0.950)	1120015	50.0000	47
	113 n-decane	43	4.305	4.305	(0.966)	1036912	50.0000	51
	21 1,3-Dichlorobenzene	146	4.399	4.399	(0.987)	1338213	50.0000	50
*	79 1,4-Dichlorobenzene-d4	152	4.458	4.458	(1.000)	693400	40.0000	

Data File: /chem/BNAMS10.i/8270/05-16-12/21may12a.b/p30241.d
Report Date: 21-May-2012 16:16

							AMOUNTS	
		QUANT SIG					CAL-AMT	ON-COL
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/ml)	(ug/ml)
	22 1,4-Dichlorobenzene	146	4.482	4.482	(1.005)	1324773	50.0000	50
	74 Benzyl Alcohol	108	4.623	4.623	(1.037)	702539	50.0000	50
	23 1,2-Dichlorobenzene	146	4.640	4.640	(1.041)	1248629	50.0000	50
	3 2-Methylphenol	108	4.758	4.758	(1.067)	952885	50.0000	46
	24 bis (2-chloroisopropyl) ether	45	4.770	4.770	(1.070)	1114876	50.0000	48
	104 Acetophenone	105	4.911	4.911	(1.101)	1395711	50.0000	46
	25 N-Nitroso-di-n-propylamine	70	4.922	4.922	(1.104)	670912	50.0000	44
	4 4-Methylphenol	108	4.928	4.928	(1.105)	911328	50.0000	43
	123 3 & 4 Methylphenol	108	4.928	4.928	(1.105)	907468	50.0000	42
	26 Hexachloroethane	117	5.005	5.005	(1.123)	517591	50.0000	50
$	76 Nitrobenzene-d5 (SUR)	82	5.069	5.069	(0.870)	1178212	50.0000	50
	27 Nitrobenzene	77	5.093	5.093	(0.874)	1490104	50.0000	49
	107 N,N-Dimethylaniline	120	5.099	5.099	(1.144)	1534335	50.0000	48
	28 Isophorone	82	5.351	5.351	(0.918)	1813988	50.0000	49
	5 2-Nitrophenol	139	5.428	5.428	(0.931)	586138	50.0000	50
	6 2,4-Dimethylphenol	122	5.492	5.492	(0.943)	905551	50.0000	50
	29 bis(2-Chloroethoxy)methane	93	5.586	5.586	(0.959)	1121598	50.0000	50
	15 Benzoic Acid	122	5.663	5.663	(0.972)	538113	50.0000	50
	7 2,4-Dichlorophenol	162	5.686	5.686	(0.976)	800757	50.0000	49
	30 1,2,4-Trichlorobenzene	180	5.768	5.768	(0.990)	959557	50.0000	50
*	80 Naphthalene-d8	136	5.827	5.827	(1.000)	2123688	40.0000	
	31 Naphthalene	128	5.845	5.845	(1.003)	2677647	50.0000	52
	32 4-Chloroaniline	127	5.915	5.915	(1.015)	1052998	50.0000	49
	33 Hexachlorobutadiene	225	5.992	5.992	(1.028)	521682	50.0000	50
	111 Caprolactam	113	6.315	6.315	(1.084)	260755	50.0000	53
	8 4-Chloro-3-methylphenol	107	6.438	6.438	(1.105)	809486	50.0000	50
	34 2-Methylnaphthalene	142	6.567	6.567	(1.127)	1764409	50.0000	50
	120 1-Methylnaphthalene	142	6.667	6.667	(1.144)	1807975	50.0000	50
	35 Hexachlorocyclopentadiene	237	6.738	6.738	(0.884)	520257	50.0000	53
	129 1,2,4,5-Tetrachlorobenzene	216	6.744	6.744	(0.885)	789855	50.0000	49
	121 2-tert-Butyl-4-methylphenol	149	6.797	6.797	(1.166)	1248462	50.0000	50
	9 2,4,6-Trichlorophenol	196	6.867	6.867	(0.901)	516506	50.0000	49
	10 2,4,5-Trichlorophenol	196	6.902	6.902	(0.906)	524469	50.0000	51
$	77 2-Fluorobiphenyl (SUR)	172	6.949	6.949	(0.912)	1817877	50.0000	49
	102 Diphenyl	154	7.049	7.049	(0.925)	1998093	50.0000	50
	36 2-Chloronaphthalene	162	7.061	7.061	(0.927)	1538292	50.0000	49
	103 Diphenyl Ether	170	7.155	7.155	(0.939)	1122792	50.0000	49
	37 2-Nitroaniline	65	7.173	7.173	(0.941)	444289	50.0000	44
	125 1,3-Dimethylnaphthalene	156	7.284	7.284	(0.956)	1377584	50.0000	50
	38 Dimethylphthalate	163	7.367	7.367	(0.967)	1516185	50.0000	50
	114 Coumarin	146	7.378	7.378	(1.266)	544714	50.0000	53
	40 2,6-Dinitrotoluene	165	7.419	7.419	(0.974)	381703	50.0000	52
	39 Acenaphthylene	152	7.478	7.478	(0.981)	2291340	50.0000	49
	41 3-Nitroaniline	138	7.590	7.590	(0.996)	368288	50.0000	50
*	82 Acenaphthene-d10	164	7.619	7.619	(1.000)	1088108	40.0000	
	42 Acenaphthene	154	7.654	7.654	(1.005)	1388874	50.0000	49
	122 2,6-Di-tert-butyl-p-cresol	205	7.654	7.654	(1.005)	1316869	50.0000	50

Data File: /chem/BNAMS10.i/8270/05-16-12/21may12a.b/p30241.d
Report Date: 21-May-2012 16:16

							AMOUNTS	
		QUANT SIG					CAL-AMT	ON-COL
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/ml)	(ug/ml)
	11 2,4-Dinitrophenol	184	7.690	7.690	(1.009)	211224	50.0000	51
	12 4-Nitrophenol	65	7.766	7.766	(1.019)	269024	50.0000	55
	44 2,4-Dinitrotoluene	165	7.819	7.819	(1.026)	455957	50.0000	52
	43 Dibenzofuran	168	7.825	7.825	(1.027)	1958083	50.0000	50
	130 2,3,4,6-Tetrachlorophenol	232	7.954	7.954	(1.044)	358961	50.0000	54
	45 Diethylphthalate	149	8.072	8.072	(1.059)	1465059	50.0000	51
	47 Fluorene	166	8.166	8.166	(1.072)	1569923	50.0000	51
	46 4-Chlorophenyl-phenylether	204	8.171	8.171	(1.072)	753826	50.0000	51
	48 4-Nitroaniline	138	8.195	8.195	(1.076)	319704	50.0000	47
	13 4,6-Dinitro-2-methylphenol	198	8.224	8.224	(0.905)	257635	50.0000	54
	49 N-Nitrosodiphenylamine	169	8.289	8.289	(0.912)	1011352	50.0000	48
	75 1,2-Diphenylhydrazine	77	8.324	8.324	(0.916)	1790322	50.0000	51
$	18 2,4,6-Tribromophenol (SUR)	330	8.406	8.406	(1.103)	209931	50.0000	52
	50 4-Bromophenyl-phenylether	248	8.653	8.653	(0.952)	413189	50.0000	50
	51 Hexachlorobenzene	284	8.718	8.718	(0.959)	425909	50.0000	49
	112 Atrazine	200	8.824	8.824	(0.971)	363109	50.0000	50
	14 Pentachlorophenol	266	8.912	8.912	(0.981)	263678	50.0000	52
	132 Pentachloronitrobenzene	237	8.929	8.929	(0.983)	162112	50.0000	48
	115 n-Octadecane	57	9.006	9.006	(0.991)	895504	50.0000	50
*	83 Phenanthrene-d10	188	9.088	9.088	(1.000)	1366536	40.0000	
	52 Phenanthrene	178	9.112	9.112	(1.003)	1843038	50.0000	50
	53 Anthracene	178	9.164	9.164	(1.008)	1877723	50.0000	50
	54 Carbazole	167	9.323	9.323	(1.026)	1523655	50.0000	51
	55 Di-n-butylphthalate	149	9.676	9.676	(1.065)	1910400	50.0000	52
	56 Fluoranthene	202	10.281	10.281	(1.131)	1592140	50.0000	51
	58 Benzidine	184	10.416	10.416	(1.146)	96677	50.0000	17
	57 Pyrene	202	10.504	10.504	(0.889)	1554498	50.0000	50
$	78 Terphenyl-d14	244	10.663	10.663	(0.903)	1055734	50.0000	50
	59 Butylbenzylphthalate	149	11.180	11.180	(0.946)	661778	50.0000	50
	109 2,3,7,8-TCDD (Screen)	320	11.280	11.280	(0.955)	1791	0.50000	0.58
	124 Carbamazepine	193	11.291	11.291	(0.956)	445520	50.0000	48
	60 3,3'-Dichlorobenzidine	252	11.779	11.779	(0.997)	302496	50.0000	48
	61 Benzo(a)anthracene	228	11.797	11.797	(0.998)	1083349	50.0000	50
*	81 Chrysene-d12	240	11.814	11.814	(1.000)	730556	40.0000	
	62 Chrysene	228	11.844	11.844	(1.002)	992423	50.0000	50
	63 bis(2-Ethylhexyl)phthalate	149	11.855	11.855	(1.003)	833586	50.0000	49
	64 Di-n-octylphthalate	149	12.690	12.690	(0.928)	1225266	50.0000	52
	65 Benzo(b)fluoranthene	252	13.172	13.172	(0.963)	842529	50.0000	51
	66 Benzo(k)fluoranthene	252	13.207	13.207	(0.966)	900415	50.0000	53
	67 Benzo(a)pyrene	252	13.601	13.601	(0.994)	708294	50.0000	53
*	84 Perylene-d12	264	13.677	13.677	(1.000)	506458	40.0000	
	68 Indeno(1,2,3-cd)pyrene	276	15.128	15.128	(1.106)	655635	50.0000	51
	69 Dibenz(a,h)anthracene	278	15.163	15.163	(1.109)	657378	50.0000	55
	70 Benzo(g,h,i)perylene	276	15.522	15.522	(1.135)	657122	50.0000	53

Data File: p30241.d

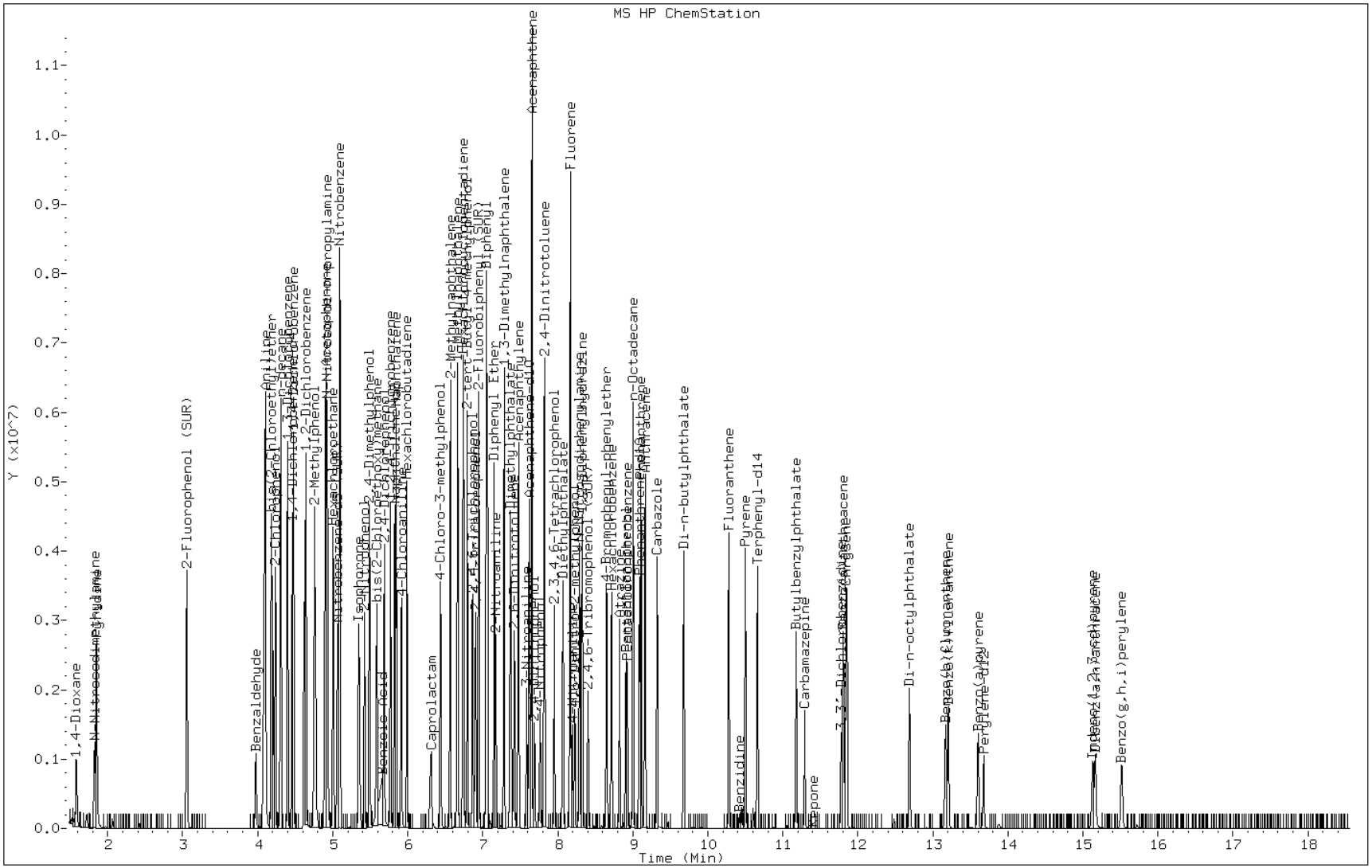
Date: 21-MAY-2012 15:59

Client ID:

Instrument: BNAMS10.i

Sample Info: CCVIS-1519304

Operator: BNAMS 4



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Lab Sample ID: CCVIS 460-113358/2 Calibration Date: 05/21/2012 09:35

Instrument ID: BNAMS4 Calib Start Date: 05/18/2012 12:10

GC Column: Rtx-5MS ID: 0.25(mm) Calib End Date: 05/18/2012 14:04

Lab File ID: u76592.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,3,7,8-TCDD (Screen)	Ave	0.0875	0.0000		1.00	500	-100.0*	20.0
1,4-Dioxane	Ave	0.5443	0.5943		54600	50000	9.2	20.0
N-Nitrosodimethylamine	Ave	1.121	1.150		51300	50000	2.5	20.0
Pyridine	Ave	1.662	1.867		56200	50000	12.3	20.0
2-Fluorophenol	Ave	1.471	1.498		50900	50000	1.8	20.0
Benzaldehyde	Ave	0.8039	0.6083		37800	50000	-24.3*	20.0
Phenol-d5	Ave	2.041	2.211		54200	50000	8.3	20.0
Phenol	Ave	2.146	2.391		55700	50000	11.4	20.0
Aniline	Ave	2.288	2.478		54200	50000	8.3	20.0
Bis(2-chloroethyl)ether	Ave	1.685	1.704		50600	50000	1.1	20.0
2-Chlorophenol	Ave	1.238	1.241		50100	50000	0.3	20.0
Decane	Ave	2.265	2.460		54300	50000	8.6	20.0
1,3-Dichlorobenzene	Ave	1.450	1.421		49000	50000	-2.0	20.0
1,4-Dichlorobenzene	Ave	1.539	1.560		50700	50000	1.4	20.0
Benzyl alcohol	Ave	1.050	1.074		51100	50000	2.3	20.0
1,2-Dichlorobenzene	Ave	1.420	1.465		51600	50000	3.2	20.0
2-Methylphenol	Ave	1.435	1.519		52900	50000	5.9	20.0
2,2'-oxybis[1-chloropropane]	Ave	3.411	3.544		52000	50000	3.9	20.0
3 & 4 Methylphenol	Ave	1.771	1.990		56200	50000	12.4	20.0
4-Methylphenol	Ave	1.771	1.990		56200	50000	12.4	20.0
Acetophenone	Ave	2.788	3.103		55700	50000	11.3	20.0
N-Nitrosodi-n-propylamine	Ave	1.779	2.078	0.0500	58400	50000	16.8	20.0
Hexachloroethane	Ave	0.8910	0.9706		54500	50000	8.9	20.0
Nitrobenzene-d5	Ave	0.7459	0.7909		53000	50000	6.0	20.0
n,n'-Dimethylaniline	QuaF	2.222	2.353		48300	50000	-3.4	20.0
Nitrobenzene	Ave	1.075	1.149		53400	50000	6.9	20.0
Isophorone	Ave	1.214	1.283		52800	50000	5.7	20.0
2-Nitrophenol	Ave	0.2153	0.2153		50000	50000	0.0	20.0
2,4-Dimethylphenol	Ave	0.3355	0.3378		50300	50000	0.7	20.0
Bis(2-chloroethoxy)methane	Ave	0.5678	0.6208		54700	50000	9.3	20.0
Benzoic acid	Ave	0.2474	0.2043		41300	50000	-17.4	20.0
2,4-Dichlorophenol	Ave	0.3676	0.3955		53800	50000	7.6	20.0
1,2,4-Trichlorobenzene	QuaF	0.4143	0.4476		52500	50000	5.0	20.0
Naphthalene	QuaF	1.029	1.038		49500	50000	-0.9	20.0
4-Chloroaniline	Ave	0.4225	0.4206		49800	50000	-0.4	20.0
Hexachlorobutadiene	QuaF	0.3019	0.3231		50200	50000	0.5	20.0
Caprolactam	Ave	0.1275	0.1407		55200	50000	10.3	20.0
4-Chloro-3-methylphenol	Ave	0.5070	0.5688		56100	50000	12.2	20.0
2-Methylnaphthalene	QuaF	0.6749	0.7246		51900	50000	3.8	20.0
1-Methylnaphthalene	Ave	0.7172	0.7630		53200	50000	6.4	20.0
Hexachlorocyclopentadiene	QuaF	0.4719	0.4681	0.0500	49300	50000	-1.5	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Lab Sample ID: CCVIS 460-113358/2 Calibration Date: 05/21/2012 09:35

Instrument ID: BNAMS4 Calib Start Date: 05/18/2012 12:10

GC Column: Rtx-5MS ID: 0.25(mm) Calib End Date: 05/18/2012 14:04

Lab File ID: u76592.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2,4,5-Tetrachlorobenzene	Ave	0.7501	0.7050		47000	50000	-6.0	20.0
2-tertbutyl-4-methylphenol	Ave	0.6061	0.6951		57300	50000	14.7	20.0
2,4,6-Trichlorophenol	Ave	0.4617	0.4621		50000	50000	0.0	20.0
2,4,5-Trichlorophenol	Ave	0.4728	0.4662		49300	50000	-1.4	20.0
2-Fluorobiphenyl	QuaF	1.303	1.281		49400	50000	-1.1	20.0
Diphenyl	QuaF	1.360	1.359		49700	50000	-0.6	20.0
2-Chloronaphthalene	Ave	1.115	1.088		48800	50000	-2.4	20.0
Diphenyl ether	Ave	0.7781	0.7718		49600	50000	-0.8	20.0
2-Nitroaniline	Ave	0.7933	0.6765		42600	50000	-14.7	20.0
Dimethylnaphthalene, total	Ave	0.8395	0.8571		51000	50000	2.1	20.0
Dimethyl phthalate	Ave	1.415	1.439		50900	50000	1.7	20.0
Coumarin	Ave	0.2783	0.3020		54300	50000	8.5	20.0
2,6-Dinitrotoluene	Ave	0.3027	0.3265		53900	50000	7.9	20.0
Acenaphthylene	Ave	1.614	1.647		51000	50000	2.1	20.0
3-Nitroaniline	Ave	0.2799	0.2737		48900	50000	-2.2	20.0
3,5-di-tert-butyl-4-hydroxytol	Ave	1.098	1.083		49300	50000	-1.3	20.0
Acenaphthene	Ave	1.065	1.095		51400	50000	2.9	20.0
2,4-Dinitrophenol	Ave	0.2440	0.2710	0.0500	55500	50000	11.0	20.0
4-Nitrophenol	Ave	0.5746	0.5989	0.0500	52100	50000	4.2	20.0
2,4-Dinitrotoluene	Ave	0.4696	0.4890		52100	50000	4.1	20.0
Dibenzofuran	Ave	1.657	1.679		50700	50000	1.3	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.3475	0.3676		52900	50000	5.8	20.0
Diethyl phthalate	Ave	1.449	1.485		51300	50000	2.5	20.0
4-Chlorophenyl phenyl ether	Ave	0.7453	0.7951		53300	50000	6.7	20.0
Fluorene	QuaF	1.376	1.546		52600	50000	5.2	20.0
4-Nitroaniline	Ave	0.2715	0.2465		45400	50000	-9.2	20.0
4,6-Dinitro-2-methylphenol	Ave	0.1846	0.1917		51900	50000	3.8	20.0
N-Nitrosodiphenylamine	QuaF	0.5134	0.5052		44400	50000	-11.2	20.0
1,2-Diphenylhydrazine	QuaF	1.495	1.539		50300	50000	0.6	20.0
2,4,6-Tribromophenol	Ave	0.2596	0.2794		53800	50000	7.6	20.0
4-Bromophenyl phenyl ether	QuaF	0.2091	0.2315		52900	50000	5.8	20.0
Hexachlorobenzene	QuaF	0.2688	0.3018		52400	50000	4.9	20.0
Atrazine	Ave	0.2434	0.2589		53200	50000	6.4	20.0
Pentachlorophenol	Ave	0.2029	0.2183		53800	50000	7.6	20.0
Pentachloronitrobenzene	Ave	0.1486	0.1550		52200	50000	4.3	
n-Octadecane	Ave	0.7775	0.8041		51700	50000	3.4	20.0
Phenanthrene	Ave	1.096	1.161		53000	50000	6.0	20.0
Anthracene	Ave	1.086	1.208		55600	50000	11.3	20.0
Carbazole	Ave	0.9448	1.010		53400	50000	6.8	20.0
Di-n-butyl phthalate	Ave	1.410	1.564		55500	50000	10.9	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Lab Sample ID: CCVIS 460-113358/2 Calibration Date: 05/21/2012 09:35

Instrument ID: BNAMS4 Calib Start Date: 05/18/2012 12:10

GC Column: Rtx-5MS ID: 0.25(mm) Calib End Date: 05/18/2012 14:04

Lab File ID: u76592.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Fluoranthene	Ave	1.205	1.285		53300	50000	6.7	20.0
Benzidine	Ave	0.2291	0.1278		27900	50000	-44.2*	20.0
Pyrene	Ave	1.430	1.449		50700	50000	1.4	20.0
Terphenyl-d14	Ave	0.9201	0.9437		51300	50000	2.6	20.0
Butyl benzyl phthalate	Ave	0.7116	0.7051		49500	50000	-0.9	20.0
Carbamazepine	Ave	0.5698	0.5028		44100	50000	-11.8	20.0
3,3'-Dichlorobenzidine	Ave	0.3328	0.2653		39900	50000	-20.3*	20.0
Benzo[a]anthracene	Ave	1.136	1.017		44800	50000	-10.5	20.0
Bis(2-ethylhexyl) phthalate	Ave	1.005	1.085		54000	50000	7.9	20.0
Chrysene	Ave	0.996	0.9302		46700	50000	-6.6	20.0
Di-n-octyl phthalate	Ave	2.203	2.626		59600	50000	19.2	20.0
Benzo[b]fluoranthene	QuaF	1.342	1.435		49800	50000	-0.4	20.0
Benzo[k]fluoranthene	QuaF	1.264	1.455		53800	50000	7.7	20.0
Benzo[a]pyrene	QuaF	1.054	1.108		49700	50000	-0.5	20.0
Indeno[1,2,3-cd]pyrene	QuaF	0.9736	0.9030		43400	50000	-13.3	20.0
Dibenz(a,h)anthracene	QuaF	0.9606	0.9037		45700	50000	-8.7	20.0
Benzo[g,h,i]perylene	Ave	1.034	0.9273		44800	50000	-10.3	20.0

Data File: /chem/BNAMS4.i/8270T/05-18-12/21may12a.b/u76592.d
Report Date: 21-May-2012 10:00

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS4.i/8270T/05-18-12/21may12a.b/u76592.d
Lab Smp Id: CCVIS-1519304
Inj Date : 21-MAY-2012 09:35
Operator : BNAMS 4 Inst ID: BNAMS4.i
Smp Info : CCVIS-1519304
Misc Info : 50 ppm bna 4658
Comment :
Method : /chem/BNAMS4.i/8270T/05-18-12/21may12a.b/8270C_11.m
Meth Date : 21-May-2012 10:00 czhao Quant Type: ISTD
Cal Date : 18-MAY-2012 14:04 Cal File: u76543.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * Uf*1000*Vt/(Ws*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
	106 1,4-Dioxane	88	1.664	1.664	(0.380)	54783	50.0000	54
	19 N-Nitrosodimethylamine	74	1.897	1.897	(0.433)	105969	50.0000	51
	71 Pyridine	79	1.927	1.927	(0.440)	172043	50.0000	56
$	16 2-Fluorophenol (SUR)	112	3.069	3.069	(0.701)	138106	50.0000	51
	110 Benzaldehyde	77	3.933	3.933	(0.898)	56072	50.0000	38
	73 Aniline	93	4.044	4.044	(0.924)	228376	50.0000	54
$	17 Phenol-d5 (SUR)	99	4.014	4.014	(0.917)	203792	50.0000	54
	1 Phenol	94	4.029	4.029	(0.920)	220402	50.0000	56
	20 bis(2-Chloroethyl)ether	93	4.110	4.110	(0.939)	157025	50.0000	50
	2 2-Chlorophenol	128	4.168	4.168	(0.952)	114378	50.0000	50
	113 n-decane	43	4.218	4.218	(0.963)	226774	50.0000	54
	21 1,3-Dichlorobenzene	146	4.320	4.320	(0.987)	130989	50.0000	49
*	79 1,4-Dichlorobenzene-d4	152	4.378	4.378	(1.000)	73739	40.0000	

Data File: /chem/BNAMS4.i/8270T/05-18-12/21may12a.b/u76592.d
Report Date: 21-May-2012 10:00

		QUANT SIG					AMOUNTS	
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
	22 1,4-Dichlorobenzene	146	4.393	4.393	(1.003)	143832	50.0000	51
	74 Benzyl Alcohol	108	4.525	4.525	(1.033)	99009	50.0000	51
	23 1,2-Dichlorobenzene	146	4.547	4.547	(1.039)	135059	50.0000	52
	24 bis (2-chloroisopropyl) ether	45	4.658	4.658	(1.064)	326688	50.0000	52
	3 2-Methylphenol	108	4.636	4.636	(1.059)	140036	50.0000	53
	104 Acetophenone	105	4.799	4.799	(1.096)	285996	50.0000	56
	25 N-Nitroso-di-n-propylamine	70	4.799	4.799	(1.096)	191568	50.0000	58
	4 4-Methylphenol	108	4.799	4.799	(1.096)	183468	50.0000	56
	123 3 & 4 Methylphenol	108	4.799	4.799	(1.096)	183468	50.0000	56
	26 Hexachloroethane	117	4.895	4.895	(1.118)	89460	50.0000	54
$	76 Nitrobenzene-d5 (SUR)	82	4.946	4.946	(0.872)	251027	50.0000	53
	27 Nitrobenzene	77	4.968	4.968	(0.876)	364825	50.0000	53
	107 N,N-Dimethylaniline	120	4.968	4.968	(1.135)	216839	50.0000	48
	28 Isophorone	82	5.217	5.217	(0.920)	407187	50.0000	53
	5 2-Nitrophenol	139	5.282	5.282	(0.931)	68322	50.0000	50
	6 2,4-Dimethylphenol	122	5.333	5.333	(0.940)	107207	50.0000	50
	29 bis(2-Chloroethoxy)methane	93	5.429	5.429	(0.957)	197023	50.0000	55
	7 2,4-Dichlorophenol	162	5.533	5.533	(0.975)	125540	50.0000	54
	15 Benzoic Acid	122	5.488	5.488	(0.968)	64852	50.0000	41(H)
	30 1,2,4-Trichlorobenzene	180	5.614	5.614	(0.990)	142065	50.0000	52
*	80 Naphthalene-d8	136	5.672	5.672	(1.000)	253909	40.0000	
	31 Naphthalene	128	5.695	5.695	(1.004)	329433	50.0000	50
	32 4-Chloroaniline	127	5.753	5.753	(1.014)	133499	50.0000	50
	33 Hexachlorobutadiene	225	5.827	5.827	(1.027)	102552	50.0000	50
	111 Caprolactam	113	6.166	6.166	(1.087)	44656	50.0000	55
	8 4-Chloro-3-methylphenol	107	6.262	6.262	(1.104)	180541	50.0000	56
	34 2-Methylnaphthalene	142	6.395	6.395	(1.127)	229984	50.0000	52
	120 1-Methylnaphthalene	142	6.491	6.491	(1.144)	242172	50.0000	53
	35 Hexachlorocyclopentadiene	237	6.563	6.563	(0.882)	114465	50.0000	49
	129 1,2,4,5-Tetrachlorobenzene	216	6.571	6.571	(0.883)	172406	50.0000	47
	121 2-tert-Butyl-4-methylphenol	149	6.607	6.607	(1.165)	220624	50.0000	57
	9 2,4,6-Trichlorophenol	196	6.685	6.685	(0.898)	113001	50.0000	50
	10 2,4,5-Trichlorophenol	196	6.729	6.729	(0.904)	114016	50.0000	49
$	77 2-Fluorobiphenyl (SUR)	172	6.766	6.766	(0.909)	313342	50.0000	49
	102 Diphenyl	154	6.869	6.869	(0.923)	332294	50.0000	50
	36 2-Chloronaphthalene	162	6.884	6.884	(0.925)	265990	50.0000	49
	103 Diphenyl Ether	170	6.972	6.972	(0.936)	188730	50.0000	50
	37 2-Nitroaniline	65	6.994	6.994	(0.939)	165430	50.0000	43
	125 1,3-Dimethylnaphthalene	156	7.106	7.106	(0.954)	209587	50.0000	51
	38 Dimethylphthalate	163	7.180	7.180	(0.964)	351954	50.0000	51
	114 Coumarin	146	7.202	7.202	(1.270)	95841	50.0000	54
	40 2,6-Dinitrotoluene	165	7.240	7.240	(0.972)	79842	50.0000	54
	39 Acenaphthylene	152	7.299	7.299	(0.980)	402707	50.0000	51
	41 3-Nitroaniline	138	7.408	7.408	(0.995)	66918	50.0000	49
*	82 Acenaphthene-d10	164	7.445	7.445	(1.000)	195633	40.0000	
	42 Acenaphthene	154	7.475	7.475	(1.004)	267887	50.0000	51
	122 2,6-Di-tert-butyl-p-cresol	205	7.467	7.467	(1.003)	264817	50.0000	49

Data File: /chem/BNAMS4.i/8270T/05-18-12/21may12a.b/u76592.d
Report Date: 21-May-2012 10:00

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
	11 2,4-Dinitrophenol	184	7.504	7.504	(1.008)	66258	50.0000	56
	12 4-Nitrophenol	65	7.577	7.577	(1.018)	146464	50.0000	52
	43 Dibenzofuran	168	7.650	7.650	(1.028)	410653	50.0000	51
	44 2,4-Dinitrotoluene	165	7.635	7.635	(1.026)	119573	50.0000	52
	130 2,3,4,6-Tetrachlorophenol	232	7.769	7.769	(1.044)	89896	50.0000	53
	45 Diethylphthalate	149	7.879	7.879	(1.058)	363204	50.0000	51
	47 Fluorene	166	7.990	7.990	(1.073)	378048	50.0000	53
	46 4-Chlorophenyl-phenylether	204	7.983	7.983	(1.072)	194429	50.0000	53
	48 4-Nitroaniline	138	8.027	8.027	(1.078)	60275	50.0000	45
	13 4,6-Dinitro-2-methylphenol	198	8.050	8.050	(0.903)	78599	50.0000	52
	49 N-Nitrosodiphenylamine	169	8.108	8.108	(0.909)	207137	50.0000	44
	75 1,2-Diphenylhydrazine	77	8.144	8.144	(0.913)	631173	50.0000	50
$	18 2,4,6-Tribromophenol (SUR)	330	8.225	8.225	(1.105)	68312	50.0000	54
	50 4-Bromophenyl-phenylether	248	8.469	8.469	(0.950)	94908	50.0000	53
	51 Hexachlorobenzene	284	8.536	8.536	(0.957)	123746	50.0000	52
	112 Atrazine	200	8.646	8.646	(0.969)	106131	50.0000	53
	14 Pentachlorophenol	266	8.734	8.734	(0.979)	89488	50.0000	54
	132 Pentachloronitrobenzene	237	8.749	8.749	(0.981)	63562	50.0000	52
	115 n-Octadecane	57	8.808	8.808	(0.988)	329676	50.0000	52
*	83 Phenanthrene-d10	188	8.919	8.919	(1.000)	327996	40.0000	
	52 Phenanthrene	178	8.942	8.942	(1.003)	476049	50.0000	53
	53 Anthracene	178	8.994	8.994	(1.008)	495326	50.0000	56
	54 Carbazole	167	9.150	9.150	(1.026)	413888	50.0000	53
	55 Di-n-butylphthalate	149	9.490	9.490	(1.064)	641097	50.0000	55
	56 Fluoranthene	202	10.112	10.112	(1.134)	526885	50.0000	53
	58 Benzidine	184	10.236	10.236	(1.148)	52408	50.0000	28
	57 Pyrene	202	10.339	10.339	(0.883)	531946	50.0000	51
$	78 Terphenyl-d14	244	10.492	10.492	(0.896)	346410	50.0000	51
	59 Butylbenzylphthalate	149	11.022	11.022	(0.941)	258851	50.0000	50
	124 Carbamazepine	193	11.163	11.163	(0.953)	184568	50.0000	44
	60 3,3'-Dichlorobenzidine	252	11.660	11.660	(0.996)	97388	50.0000	40
	61 Benzo(a)anthracene	228	11.690	11.690	(0.998)	373327	50.0000	45
*	81 Chrysene-d12	240	11.711	11.711	(1.000)	293676	40.0000	
	63 bis(2-Ethylhexyl)phthalate	149	11.725	11.725	(1.001)	398237	50.0000	54
	62 Chrysene	228	11.740	11.740	(1.002)	341452	50.0000	47
	64 Di-n-octylphthalate	149	12.591	12.591	(0.923)	495014	50.0000	60
	65 Benzo(b)fluoranthene	252	13.117	13.117	(0.962)	270576	50.0000	50
	66 Benzo(k)fluoranthene	252	13.153	13.153	(0.964)	274271	50.0000	54
	67 Benzo(a)pyrene	252	13.558	13.558	(0.994)	208981	50.0000	50
*	84 Perylene-d12	264	13.640	13.640	(1.000)	150823	40.0000	
	68 Indeno(1,2,3-cd)pyrene	276	15.176	15.176	(1.113)	170246	50.0000	43
	69 Dibenz(a,h)anthracene	278	15.213	15.213	(1.115)	170372	50.0000	46
	70 Benzo(g,h,i)perylene	276	15.616	15.616	(1.145)	174819	50.0000	45

Data File: /chem/BNAMS4.i/8270T/05-18-12/21may12a.b/u76592.d
Report Date: 21-May-2012 10:00

QC Flag Legend

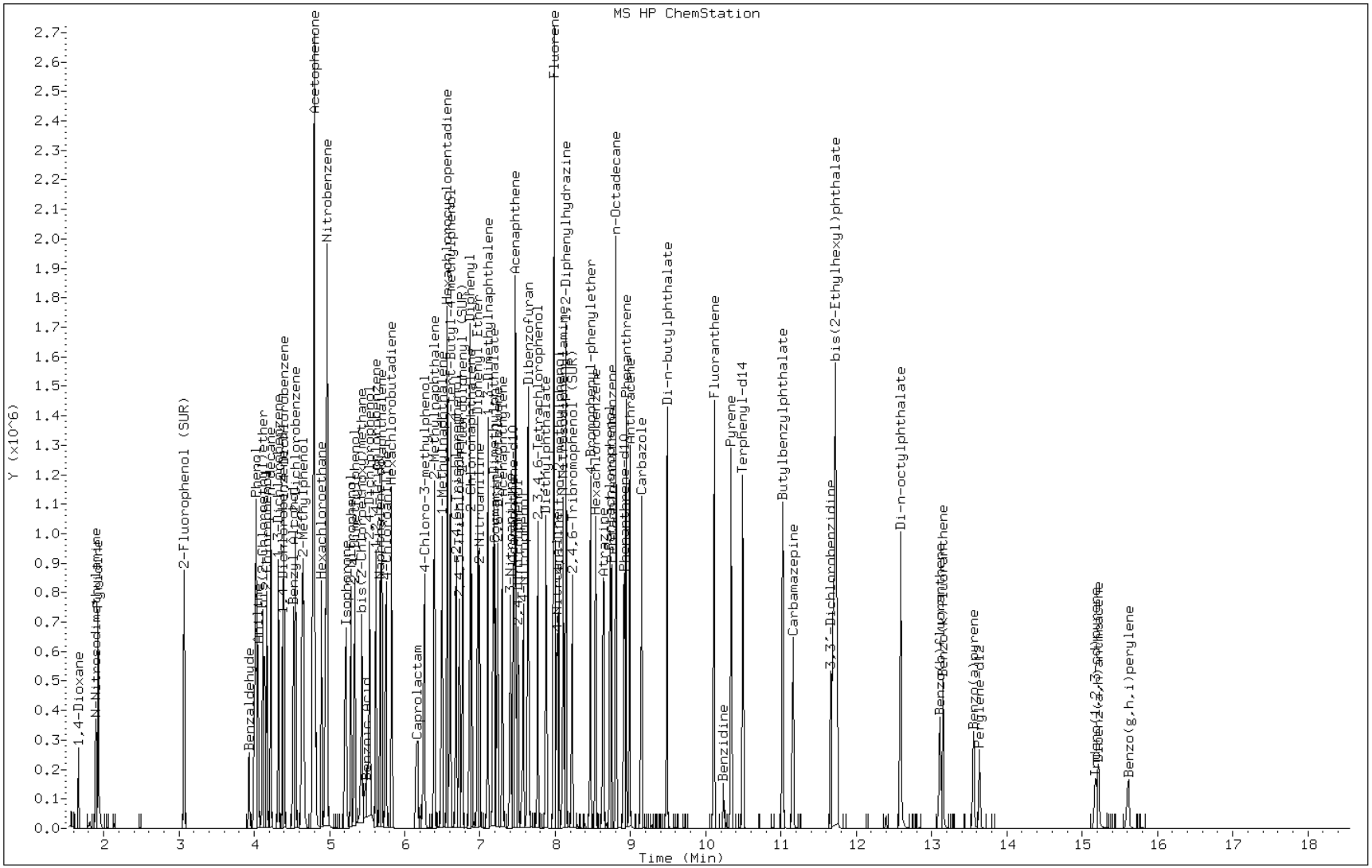
H - Operator selected an alternate compound hit.

Data File: u76592.d

Date: 21-MAY-2012 09:35

Client ID: Instrument: BNAMS4.i

Sample Info: CCVIS-1519304 Operator: BNAMS 4



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Lab Sample ID: CCVIS 460-113911/2 Calibration Date: 05/24/2012 12:12

Instrument ID: BNAMS4 Calib Start Date: 05/24/2012 04:04

GC Column: Rtx-5MS ID: 0.25(mm) Calib End Date: 05/24/2012 06:18

Lab File ID: u76731.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,3,7,8-TCDD (Screen)	Ave		0.0000		1.00	500		20.0
1,4-Dioxane	Ave	0.5279	0.6024		57100	50000	14.1	20.0
N-Nitrosodimethylamine	Ave	1.151	1.225		53200	50000	6.5	20.0
Pyridine	Ave	1.751	1.883		53800	50000	7.5	20.0
2-Fluorophenol	Ave	1.509	1.535		50900	50000	1.7	20.0
Benzaldehyde	Ave	0.9277	0.5579		30100	50000	-39.9*	20.0
Phenol-d5	Ave	2.138	2.036		47600	50000	-4.8	20.0
Phenol	QuaF	2.365	2.307		45500	50000	-9.1	20.0
Aniline	Ave	2.545	2.437		47900	50000	-4.2	20.0
Bis(2-chloroethyl)ether	Ave	1.680	1.659		49400	50000	-1.2	20.0
2-Chlorophenol	Ave	1.319	1.209		45800	50000	-8.4	20.0
Decane	Ave	2.523	2.824		56000	50000	11.9	20.0
1,3-Dichlorobenzene	Ave	1.461	1.491		51000	50000	2.1	20.0
1,4-Dichlorobenzene	Ave	1.515	1.563		51600	50000	3.2	20.0
Benzyl alcohol	QuaF	1.101	1.071		46600	50000	-6.7	20.0
1,2-Dichlorobenzene	QuaF	1.446	1.472		50600	50000	1.2	20.0
2-Methylphenol	Ave	1.575	1.439		45700	50000	-8.6	20.0
2,2'-oxybis[1-chloropropane]	Ave	3.855	3.796		49200	50000	-1.5	20.0
Acetophenone	Ave	3.019	2.900		48000	50000	-4.0	20.0
3 & 4 Methylphenol	Ave	1.812	1.803		49800	50000	-0.5	20.0
4-Methylphenol	Ave	1.812	1.803		49800	50000	-0.5	20.0
N-Nitrosodi-n-propylamine	Ave	2.195	2.079	0.0500	47300	50000	-5.3	20.0
Hexachloroethane	Ave	0.9609	0.9933		51700	50000	3.4	20.0
Nitrobenzene-d5	Ave	0.8008	0.8110		50600	50000	1.3	20.0
n,n'-Dimethylaniline	QuaF	2.383	2.356		45200	50000	-9.6	20.0
Nitrobenzene	Ave	1.172	1.181		50400	50000	0.7	20.0
Isophorone	Ave	1.266	1.211		47800	50000	-4.4	20.0
2-Nitrophenol	Ave	0.2090	0.2111		50500	50000	1.0	20.0
2,4-Dimethylphenol	Ave	0.3460	0.3412		49300	50000	-1.4	20.0
Bis(2-chloroethoxy)methane	Ave	0.5839	0.5689		48700	50000	-2.6	20.0
Benzoic acid	Ave	0.2227	0.2481		55700	50000	11.4	20.0
2,4-Dichlorophenol	Ave	0.3588	0.3442		48000	50000	-4.1	20.0
1,2,4-Trichlorobenzene	Ave	0.4263	0.4355		51100	50000	2.2	20.0
Naphthalene	Ave	1.052	1.060		50400	50000	0.8	20.0
4-Chloroaniline	Ave	0.4348	0.4175		48000	50000	-4.0	20.0
Hexachlorobutadiene	Ave	0.3245	0.3603		55500	50000	11.0	20.0
Caprolactam	Ave	0.1327	0.1298		48900	50000	-2.2	20.0
4-Chloro-3-methylphenol	Ave	0.5395	0.4968		46000	50000	-7.9	20.0
2-Methylnaphthalene	Ave	0.6732	0.6599		49000	50000	-2.0	20.0
1-Methylnaphthalene	QuaF	0.7125	0.6800		49800	50000	-0.3	20.0
Hexachlorocyclopentadiene	QuaF	0.4488	0.5796	0.0500	59100	50000	18.3	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Lab Sample ID: CCVIS 460-113911/2 Calibration Date: 05/24/2012 12:12

Instrument ID: BNAMS4 Calib Start Date: 05/24/2012 04:04

GC Column: Rtx-5MS ID: 0.25(mm) Calib End Date: 05/24/2012 06:18

Lab File ID: u76731.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2,4,5-Tetrachlorobenzene	QuaF	0.7279	0.8640		55500	50000	11.1	20.0
2-tertbutyl-4-methylphenol	Ave	0.6380	0.6105		47800	50000	-4.3	20.0
2,4,6-Trichlorophenol	Ave	0.4444	0.4755		53500	50000	7.0	20.0
2,4,5-Trichlorophenol	Ave	0.4768	0.5087		53300	50000	6.7	20.0
2-Fluorobiphenyl	QuaF	1.283	1.442		53700	50000	7.4	20.0
Diphenyl	QuaF	1.333	1.420		51500	50000	3.0	20.0
2-Chloronaphthalene	QuaF	1.097	1.204		54900	50000	9.9	20.0
Diphenyl ether	Ave	0.7730	0.8306		53700	50000	7.5	20.0
2-Nitroaniline	Ave	0.8461	1.012		59800	50000	19.6	20.0
Dimethylnaphthalene, total	QuaF	0.8576	0.9184		51600	50000	3.3	20.0
Dimethyl phthalate	Ave	1.425	1.443		50700	50000	1.3	20.0
Coumarin	Ave	0.2752	0.2431		44200	50000	-11.6	20.0
2,6-Dinitrotoluene	QuaF	0.2983	0.3578		55100	50000	10.3	20.0
Acenaphthylene	QuaF	1.647	1.652		52200	50000	4.4	20.0
3-Nitroaniline	Ave	0.2810	0.2979		53000	50000	6.0	20.0
3,5-di-tert-butyl-4-hydroxytol	Ave	1.178	1.391		59100	50000	18.1	20.0
Acenaphthene	QuaF	1.080	1.144		51600	50000	3.3	20.0
2,4-Dinitrophenol	Ave	0.2442	0.2589	0.0500	53000	50000	6.0	20.0
4-Nitrophenol	Ave	0.6084	0.6407	0.0500	52700	50000	5.3	20.0
2,4-Dinitrotoluene	Ave	0.4959	0.4885		49200	50000	-1.5	20.0
Dibenzofuran	QuaF	1.666	1.733		51400	50000	2.9	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.3515	0.3902		55500	50000	11.0	20.0
Diethyl phthalate	Ave	1.539	1.599		52000	50000	3.9	20.0
4-Chlorophenyl phenyl ether	QuaF	0.8093	0.9042		52400	50000	4.8	20.0
Fluorene	QuaF	1.437	1.585		52000	50000	4.1	20.0
4-Nitroaniline	Ave	0.2928	0.3193		54500	50000	9.0	20.0
4,6-Dinitro-2-methylphenol	Ave	0.1791	0.1806		50400	50000	0.8	20.0
N-Nitrosodiphenylamine	Ave	0.5014	0.4571		45600	50000	-8.8	20.0
1,2-Diphenylhydrazine	Ave	1.594	1.499		47000	50000	-6.0	20.0
2,4,6-Tribromophenol	Ave	0.2760	0.2878		52100	50000	4.3	20.0
4-Bromophenyl phenyl ether	QuaF	0.2164	0.2091		46300	50000	-7.4	20.0
Hexachlorobenzene	QuaF	0.2664	0.2746		48200	50000	-3.5	20.0
Atrazine	Ave	0.2522	0.2573		51000	50000	2.0	20.0
Pentachlorophenol	QuaF	0.1787	0.1777		48200	50000	-3.6	20.0
Pentachloronitrobenzene	Ave	0.1578	0.1564		49600	50000	-0.9	
n-Octadecane	Ave	0.8326	0.8154		49000	50000	-2.1	20.0
Phenanthrene	Ave	1.060	1.054		49700	50000	-0.6	20.0
Anthracene	QuaF	1.109	1.022		44900	50000	-10.2	20.0
Carbazole	Ave	0.9027	0.9113		50500	50000	0.9	20.0
Di-n-butyl phthalate	Ave	1.431	1.427		49900	50000	-0.3	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Lab Sample ID: CCVIS 460-113911/2 Calibration Date: 05/24/2012 12:12

Instrument ID: BNAMS4 Calib Start Date: 05/24/2012 04:04

GC Column: Rtx-5MS ID: 0.25(mm) Calib End Date: 05/24/2012 06:18

Lab File ID: u76731.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Fluoranthene	Ave	1.220	1.271		52100	50000	4.2	20.0
Benzidine	Ave	0.2677	0.1943		36300	50000	-27.4*	20.0
Pyrene	Ave	1.531	1.359		44400	50000	-11.2	20.0
Terphenyl-d14	Ave	0.9557	0.9077		47500	50000	-5.0	20.0
Butyl benzyl phthalate	Ave	0.7640	0.7372		48200	50000	-3.5	20.0
Carbamazepine	Ave	0.5727	0.5936		51800	50000	3.6	20.0
3,3'-Dichlorobenzidine	Ave	0.3258	0.3242		49800	50000	-0.5	20.0
Benzo[a]anthracene	Ave	1.121	1.169		52100	50000	4.3	20.0
Bis(2-ethylhexyl) phthalate	Ave	1.042	0.9821		47100	50000	-5.8	20.0
Chrysene	Ave	1.035	1.091		52700	50000	5.4	20.0
Di-n-octyl phthalate	Ave	2.467	2.274		46100	50000	-7.8	20.0
Benzo[b]fluoranthene	QuaF	1.316	1.289		48900	50000	-2.3	20.0
Benzo[k]fluoranthene	Ave	1.299	1.314		50600	50000	1.2	20.0
Benzo[a]pyrene	Ave	1.075	1.090		50700	50000	1.4	20.0
Indeno[1,2,3-cd]pyrene	QuaF	1.016	1.128		51600	50000	3.2	20.0
Dibenz(a,h)anthracene	QuaF	0.9910	1.075		51600	50000	3.1	20.0
Benzo[g,h,i]perylene	QuaF	1.064	1.060		49300	50000	-1.3	20.0

Data File: /chem/BNAMS4.i/8270T/05-24-12/24may12a.b/u76731.d
Report Date: 24-May-2012 12:34

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS4.i/8270T/05-24-12/24may12a.b/u76731.d
Lab Smp Id: CCVIS-1519304
Inj Date : 24-MAY-2012 12:12
Operator : BNAMS 4 Inst ID: BNAMS4.i
Smp Info : CCVIS-1519304
Misc Info : 50 ppm bna 4658
Comment :
Method : /chem/BNAMS4.i/8270T/05-24-12/24may12a.b/8270C_11.m
Meth Date : 24-May-2012 12:34 czhao Quant Type: ISTD
Cal Date : 24-MAY-2012 06:18 Cal File: u76728.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * Uf*1000*Vt/(Ws*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
	106 1,4-Dioxane	88	1.602	1.602	(0.373)	47996	50.0000	57
	19 N-Nitrosodimethylamine	74	1.836	1.836	(0.427)	97617	50.0000	53
	71 Pyridine	79	1.866	1.866	(0.434)	150010	50.0000	54
$	16 2-Fluorophenol (SUR)	112	2.994	2.994	(0.696)	122270	50.0000	51
	110 Benzaldehyde	77	3.853	3.853	(0.896)	44450	50.0000	30
	73 Aniline	93	3.962	3.962	(0.922)	194178	50.0000	48
$	17 Phenol-d5 (SUR)	99	3.940	3.940	(0.917)	162190	50.0000	48
	1 Phenol	94	3.955	3.955	(0.920)	183781	50.0000	45
	20 bis(2-Chloroethyl)ether	93	4.035	4.035	(0.939)	132192	50.0000	49
	2 2-Chlorophenol	128	4.086	4.086	(0.951)	96302	50.0000	46
	113 n-decane	43	4.145	4.145	(0.964)	225004	50.0000	56
	21 1,3-Dichlorobenzene	146	4.239	4.239	(0.986)	118789	50.0000	51
*	79 1,4-Dichlorobenzene-d4	152	4.298	4.298	(1.000)	63735	40.0000	

Data File: /chem/BNAMS4.i/8270T/05-24-12/24may12a.b/u76731.d
Report Date: 24-May-2012 12:34

		QUANT SIG					AMOUNTS CAL-AMT	AMOUNTS ON-COL
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/ml)	(ug/ml)
	22 1,4-Dichlorobenzene	146	4.313	4.313	(1.003)	124519	50.0000	52
	74 Benzyl Alcohol	108	4.445	4.445	(1.034)	85348	50.0000	47
	23 1,2-Dichlorobenzene	146	4.468	4.468	(1.039)	117284	50.0000	51
	24 bis (2-chloroisopropyl) ether	45	4.577	4.577	(1.065)	302416	50.0000	49
	3 2-Methylphenol	108	4.563	4.563	(1.062)	114677	50.0000	46
	104 Acetophenone	105	4.711	4.711	(1.096)	231018	50.0000	48
	25 N-Nitroso-di-n-propylamine	70	4.718	4.718	(1.098)	165611	50.0000	47
	4 4-Methylphenol	108	4.718	4.718	(1.098)	143679	50.0000	50
	123 3 & 4 Methylphenol	108	4.718	4.718	(1.098)	143679	50.0000	50
	26 Hexachloroethane	117	4.815	4.815	(1.120)	79133	50.0000	52
$	76 Nitrobenzene-d5 (SUR)	82	4.866	4.866	(0.870)	217697	50.0000	51
	27 Nitrobenzene	77	4.889	4.889	(0.874)	316929	50.0000	50
	107 N,N-Dimethylaniline	120	4.889	4.889	(1.137)	187701	50.0000	45
	28 Isophorone	82	5.131	5.131	(0.917)	324977	50.0000	48
	5 2-Nitrophenol	139	5.204	5.204	(0.930)	56678	50.0000	50
	6 2,4-Dimethylphenol	122	5.263	5.263	(0.941)	91600	50.0000	49
	29 bis(2-Chloroethoxy)methane	93	5.351	5.351	(0.956)	152708	50.0000	49
	7 2,4-Dichlorophenol	162	5.455	5.455	(0.975)	92390	50.0000	48
	15 Benzoic Acid	122	5.418	5.418	(0.968)	66604	50.0000	56(H)
	30 1,2,4-Trichlorobenzene	180	5.536	5.536	(0.989)	116913	50.0000	51
*	80 Naphthalene-d8	136	5.595	5.595	(1.000)	214755	40.0000	
	31 Naphthalene	128	5.618	5.618	(1.004)	284553	50.0000	50
	32 4-Chloroaniline	127	5.670	5.670	(1.013)	112081	50.0000	48
	33 Hexachlorobutadiene	225	5.752	5.752	(1.028)	96727	50.0000	56
	111 Caprolactam	113	6.073	6.073	(1.085)	34835	50.0000	49
	8 4-Chloro-3-methylphenol	107	6.181	6.181	(1.105)	133354	50.0000	46
	34 2-Methylnaphthalene	142	6.313	6.313	(1.128)	177153	50.0000	49
	120 1-Methylnaphthalene	142	6.415	6.415	(1.147)	182538	50.0000	50
	35 Hexachlorocyclopentadiene	237	6.482	6.482	(0.881)	94423	50.0000	59
	129 1,2,4,5-Tetrachlorobenzene	216	6.489	6.489	(0.882)	140741	50.0000	56
	121 2-tert-Butyl-4-methylphenol	149	6.534	6.534	(1.168)	163880	50.0000	48
	9 2,4,6-Trichlorophenol	196	6.607	6.607	(0.898)	77466	50.0000	54
	10 2,4,5-Trichlorophenol	196	6.644	6.644	(0.903)	82869	50.0000	53
$	77 2-Fluorobiphenyl (SUR)	172	6.689	6.689	(0.909)	234867	50.0000	54
	102 Diphenyl	154	6.784	6.784	(0.922)	231317	50.0000	51
	36 2-Chloronaphthalene	162	6.807	6.807	(0.925)	196074	50.0000	55
	103 Diphenyl Ether	170	6.889	6.889	(0.936)	135308	50.0000	54
	37 2-Nitroaniline	65	6.911	6.911	(0.939)	164909	50.0000	60
	125 1,3-Dimethylnaphthalene	156	7.028	7.028	(0.955)	149607	50.0000	52
	38 Dimethylphthalate	163	7.101	7.101	(0.965)	235150	50.0000	51
	114 Coumarin	146	7.116	7.116	(1.272)	65270	50.0000	44
	40 2,6-Dinitrotoluene	165	7.160	7.160	(0.973)	58283	50.0000	55
	39 Acenaphthylene	152	7.219	7.219	(0.981)	269136	50.0000	52
	41 3-Nitroaniline	138	7.323	7.323	(0.995)	48523	50.0000	53
*	82 Acenaphthene-d10	164	7.360	7.360	(1.000)	130324	40.0000	
	42 Acenaphthene	154	7.390	7.390	(1.004)	186330	50.0000	52
	122 2,6-Di-tert-butyl-p-cresol	205	7.390	7.390	(1.004)	226624	50.0000	59

Data File: /chem/BNAMS4.i/8270T/05-24-12/24may12a.b/u76731.d
Report Date: 24-May-2012 12:34

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
	11 2,4-Dinitrophenol	184	7.427	7.427	(1.009)	42180	50.0000	53
	12 4-Nitrophenol	65	7.502	7.502	(1.019)	104379	50.0000	53
	43 Dibenzofuran	168	7.569	7.569	(1.028)	282244	50.0000	51
	44 2,4-Dinitrotoluene	165	7.554	7.554	(1.026)	79572	50.0000	49
	130 2,3,4,6-Tetrachlorophenol	232	7.694	7.694	(1.045)	63571	50.0000	56
	45 Diethylphthalate	149	7.798	7.798	(1.059)	260563	50.0000	52
	47 Fluorene	166	7.906	7.906	(1.074)	258219	50.0000	52
	46 4-Chlorophenyl-phenylether	204	7.906	7.906	(1.074)	147296	50.0000	52
	48 4-Nitroaniline	138	7.943	7.943	(1.079)	52021	50.0000	54
	13 4,6-Dinitro-2-methylphenol	198	7.965	7.965	(0.902)	55606	50.0000	50
	49 N-Nitrosodiphenylamine	169	8.024	8.024	(0.908)	140724	50.0000	46
	75 1,2-Diphenylhydrazine	77	8.061	8.061	(0.913)	461590	50.0000	47
$	18 2,4,6-Tribromophenol (SUR)	330	8.150	8.150	(1.107)	46882	50.0000	52
	50 4-Bromophenyl-phenylether	248	8.391	8.391	(0.950)	64370	50.0000	46
	51 Hexachlorobenzene	284	8.458	8.458	(0.958)	84526	50.0000	48
	112 Atrazine	200	8.561	8.561	(0.969)	79197	50.0000	51
	14 Pentachlorophenol	266	8.649	8.649	(0.979)	54718	50.0000	48
	132 Pentachloronitrobenzene	237	8.670	8.670	(0.982)	48155	50.0000	50
	115 n-Octadecane	57	8.729	8.729	(0.988)	251013	50.0000	49
*	83 Phenanthrene-d10	188	8.832	8.832	(1.000)	246287	40.0000	
	52 Phenanthrene	178	8.860	8.860	(1.003)	324553	50.0000	50
	53 Anthracene	178	8.904	8.904	(1.008)	314491	50.0000	45
	54 Carbazole	167	9.065	9.065	(1.026)	280535	50.0000	50
	55 Di-n-butylphthalate	149	9.412	9.412	(1.066)	439322	50.0000	50
	56 Fluoranthene	202	10.033	10.033	(1.136)	391383	50.0000	52
	58 Benzidine	184	10.157	10.157	(1.150)	59829	50.0000	36
	57 Pyrene	202	10.253	10.253	(0.884)	380515	50.0000	44
$	78 Terphenyl-d14	244	10.408	10.408	(0.897)	254071	50.0000	47
	59 Butylbenzylphthalate	149	10.935	10.935	(0.942)	206345	50.0000	48
	124 Carbamazepine	193	11.067	11.067	(0.954)	166164	50.0000	52
	60 3,3'-Dichlorobenzidine	252	11.559	11.559	(0.996)	90758	50.0000	50
	61 Benzo(a)anthracene	228	11.590	11.590	(0.999)	327195	50.0000	52
*	81 Chrysene-d12	240	11.603	11.603	(1.000)	223938	40.0000	
	63 bis(2-Ethylhexyl)phthalate	149	11.625	11.625	(1.002)	274899	50.0000	47
	62 Chrysene	228	11.640	11.640	(1.003)	305454	50.0000	53
	64 Di-n-octylphthalate	149	12.486	12.486	(0.923)	440093	50.0000	46
	65 Benzo(b)fluoranthene	252	13.001	13.001	(0.961)	249466	50.0000	49
	66 Benzo(k)fluoranthene	252	13.044	13.044	(0.965)	254326	50.0000	50(H)
	67 Benzo(a)pyrene	252	13.450	13.450	(0.994)	210932	50.0000	51
*	84 Perylene-d12	264	13.524	13.524	(1.000)	154814	40.0000	
	68 Indeno(1,2,3-cd)pyrene	276	15.041	15.041	(1.112)	218228	50.0000	52
	69 Dibenz(a,h)anthracene	278	15.078	15.078	(1.115)	208089	50.0000	52
	70 Benzo(g,h,i)perylene	276	15.467	15.467	(1.144)	205053	50.0000	49

Data File: /chem/BNAMS4.i/8270T/05-24-12/24may12a.b/u76731.d
Report Date: 24-May-2012 12:34

QC Flag Legend

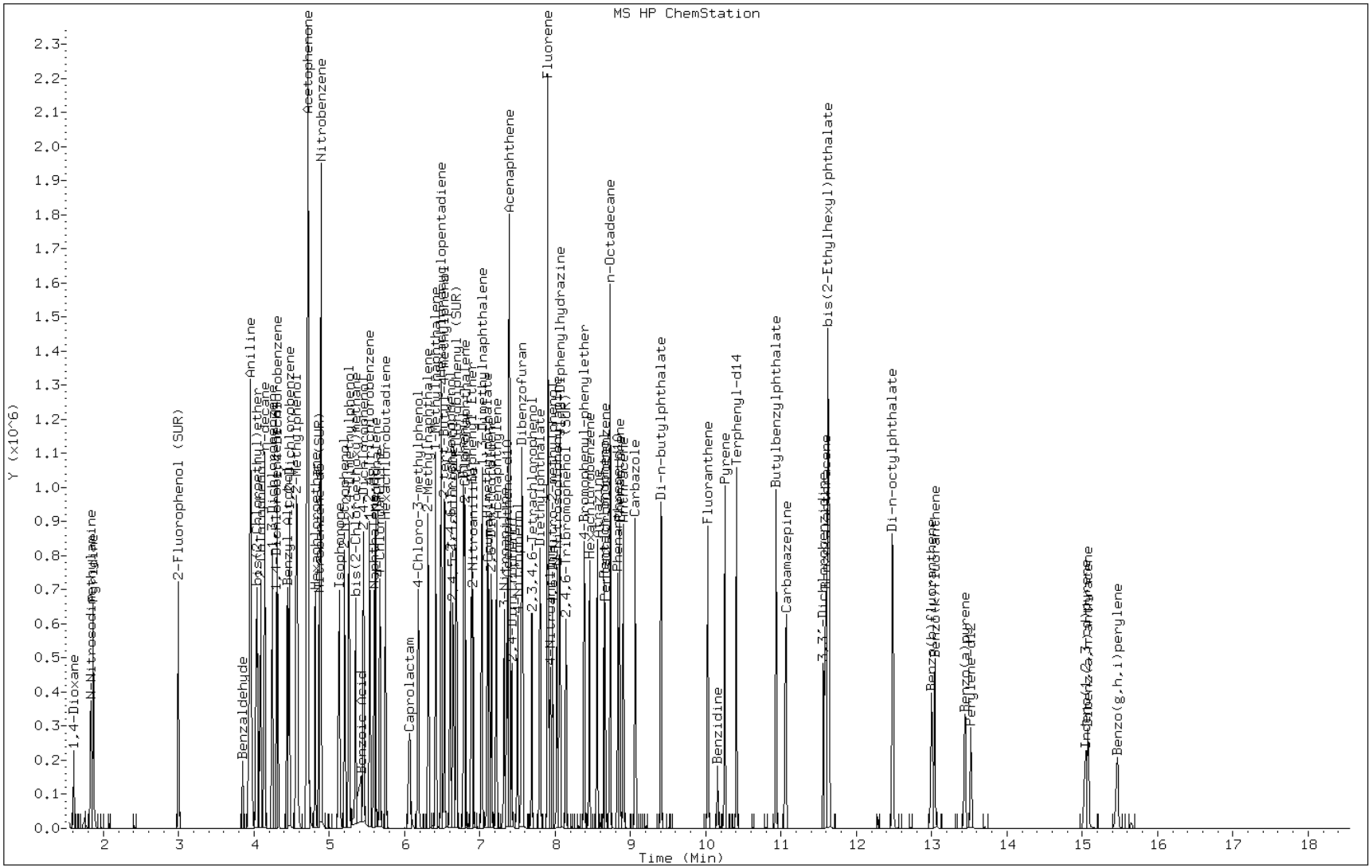
H - Operator selected an alternate compound hit.

Data File: u76731.d

Date: 24-MAY-2012 12:12

Client ID: Instrument: BNAMS4.i

Sample Info: CCVIS-1519304 Operator: BNAMS 4



Data File: /chem/BNAMS10.i/8270/05-16-12/16may12.b/p30113.d
Report Date: 16-May-2012 14:13

TestAmerica

Data file : /chem/BNAMS10.i/8270/05-16-12/16may12.b/p30113.d
Lab Smp Id: DFTPP-1427854
Inj Date : 16-MAY-2012 13:20
Operator : BNA2 Inst ID: BNAMS10.i
Smp Info : DFTPP-1427854
Misc Info : bna 4642
Comment :
Method : /chem/BNAMS10.i/8270/05-16-12/16may12.b/BNADFTPP.m
Meth Date : 16-May-2012 11:58 monica Quant Type: ESTD
Cal Date : 11-JAN-2010 13:45 Cal File: h85796.d
Als bottle: 1 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: None

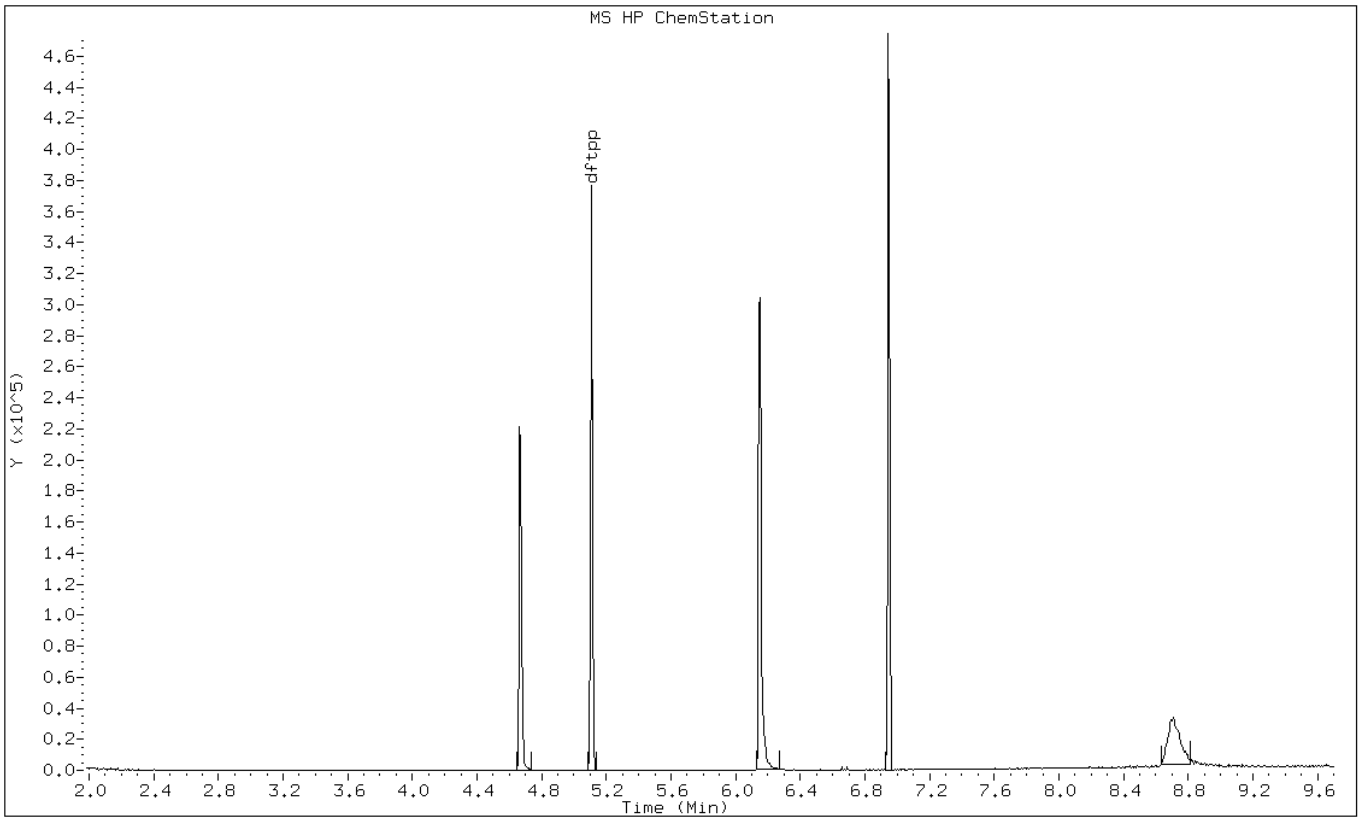
					CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 dftpp						CAS #:		
5.111	5.100	0.011	198	35152			0.00- 100.00	100.00
5.111	5.100	0.011	51	12336			30.00- 60.00	35.09
5.111	5.100	0.011	68	0			0.00- 2.00	0.00
5.111	5.100	0.011	69	14615			0.00- 0.00	41.58
5.111	5.100	0.011	70	0			0.00- 2.00	0.00
5.111	5.100	0.011	127	17324			40.00- 60.00	49.28
5.111	5.100	0.011	197	0			0.00- 1.00	0.00
5.111	5.100	0.011	199	2437			5.00- 9.00	6.93
5.111	5.100	0.011	275	9875			10.00- 30.00	28.09
5.111	5.100	0.011	365	1263			1.00- 0.00	3.59
5.111	5.100	0.011	441	4582			0.01- 100.00	76.91
5.111	5.100	0.011	442	30853			40.00- 110.00	87.77
5.111	5.100	0.011	443	5958			17.00- 23.00	19.31

Data File: p30113.d

Date: 16-MAY-2012 13:20

Client ID: Instrument: BNAMS10.i

Sample Info: DFTPP-1427854 Operator: BNA2



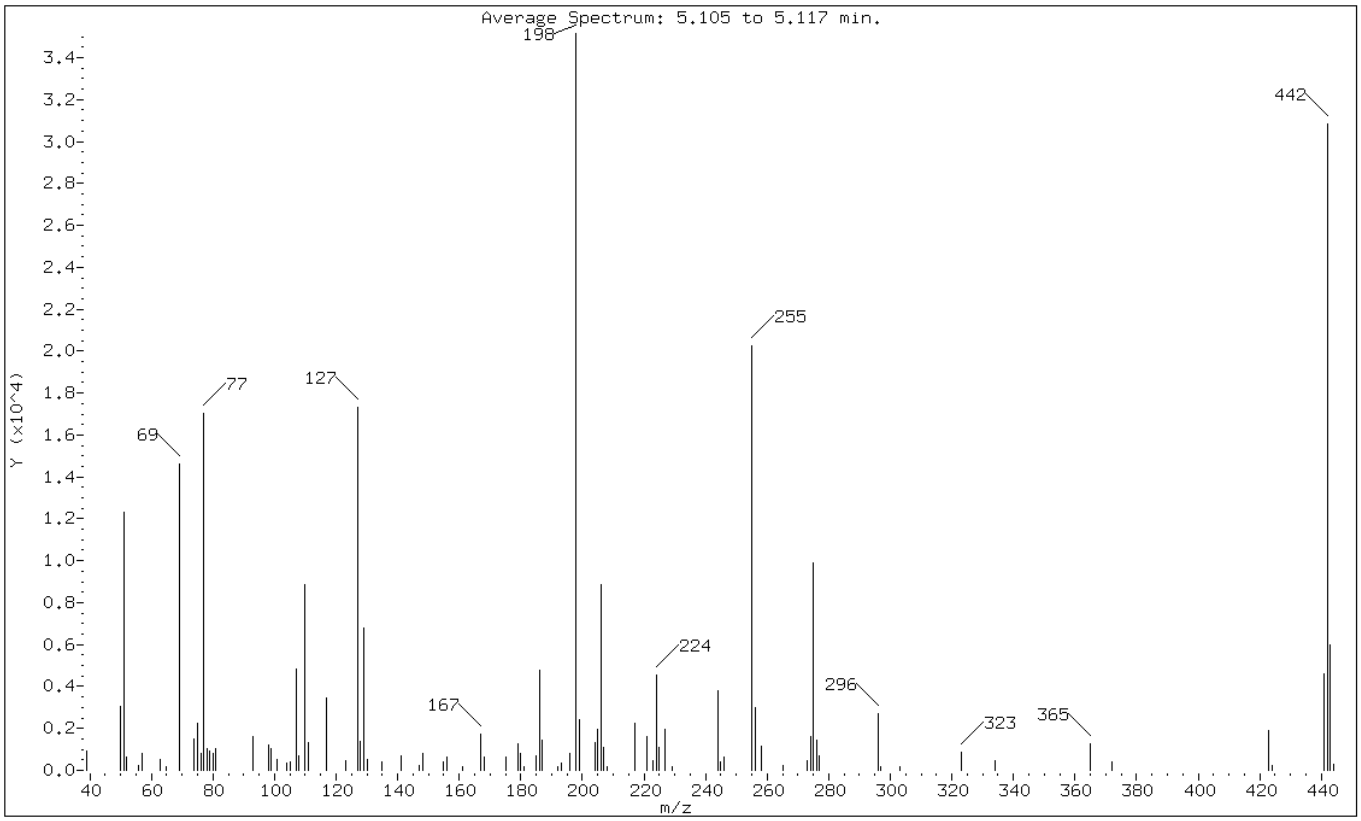
Data File: p30113.d

Date: 16-MAY-2012 13:20

Client ID: Instrument: BNAMS10.i

Sample Info: DFTPP-1427854 Operator: BNA2

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	35.09
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	41.58
70	Less than 2.00% of mass 69	0.00 (0.00)
127	40.00 - 60.00% of mass 198	49.28
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.93
275	10.00 - 30.00% of mass 198	28.09
365	Greater than 1.00% of mass 198	3.59
441	0.01 - 100.00% of mass 443	13.03 (76.91)
442	40.00 - 110.00% of mass 198	87.77
443	17.00 - 23.00% of mass 442	16.95 (19.31)

Data File: p30113.d

Date: 16-MAY-2012 13:20

Client ID: Instrument: BNAMS10.i

Sample Info: DFTPP-1427854 Operator: BNA2

Data File: /chem/BNAMS10.i/8270/05-16-12/16may12.b/p30113.d
Spectrum: Average Spectrum: 5.105 to 5.117 min.
Location of Maximum: 198.00
Number of points: 91

m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.00	906	107.00	4822	185.00	718	255.00	20240
50.00	3063	108.00	700	186.00	4798	256.00	2976
51.00	12336	110.00	8836	187.00	1449	258.00	1144
52.00	661	111.00	1331	192.00	176	265.00	209
56.00	237	117.00	3467	193.00	357	273.00	444
57.00	824	123.00	457	196.00	809	274.00	1637
63.00	499	127.00	17320	198.00	35152	275.00	9875
65.00	184	128.00	1388	199.00	2437	276.00	1414
69.00	14615	129.00	6816	204.00	1310	277.00	718
74.00	1495	130.00	512	205.00	1974	296.00	2680
75.00	2254	135.00	395	206.00	8846	297.00	180
76.00	828	141.00	711	207.00	1107	303.00	177
77.00	17056	147.00	212	208.00	169	323.00	866
78.00	1030	148.00	807	217.00	2259	334.00	440
79.00	928	155.00	408	221.00	1607	365.00	1263
80.00	780	156.00	645	223.00	474	372.00	398
81.00	1045	161.00	169	224.00	4538	423.00	1911
93.00	1633	167.00	1727	225.00	1117	424.00	206
98.00	1231	168.00	633	227.00	1958	441.00	4582
99.00	1033	175.00	658	229.00	182	442.00	30848
101.00	543	179.00	1289	244.00	3802	443.00	5958
104.00	340	180.00	786	245.00	383	444.00	277
105.00	422	181.00	174	246.00	631		

Data File: /chem/BNAMS10.i/8270/05-16-12/18may12.b/p30176.d
Report Date: 18-May-2012 03:20

TestAmerica

Data file : /chem/BNAMS10.i/8270/05-16-12/18may12.b/p30176.d
Lab Smp Id: DFTPP-1427854
Inj Date : 18-MAY-2012 03:06
Operator : BNAMS3 Inst ID: BNAMS10.i
Smp Info : DFTPP-1427854
Misc Info : bna 4642
Comment   :
Method   : /chem/BNAMS10.i/8270/05-16-12/18may12.b/BNADFTPP.m
Meth Date : 16-May-2012 11:58 monica Quant Type: ESTD
Cal Date : 11-JAN-2010 13:45 Cal File: h85796.d
Als bottle: 1 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: None

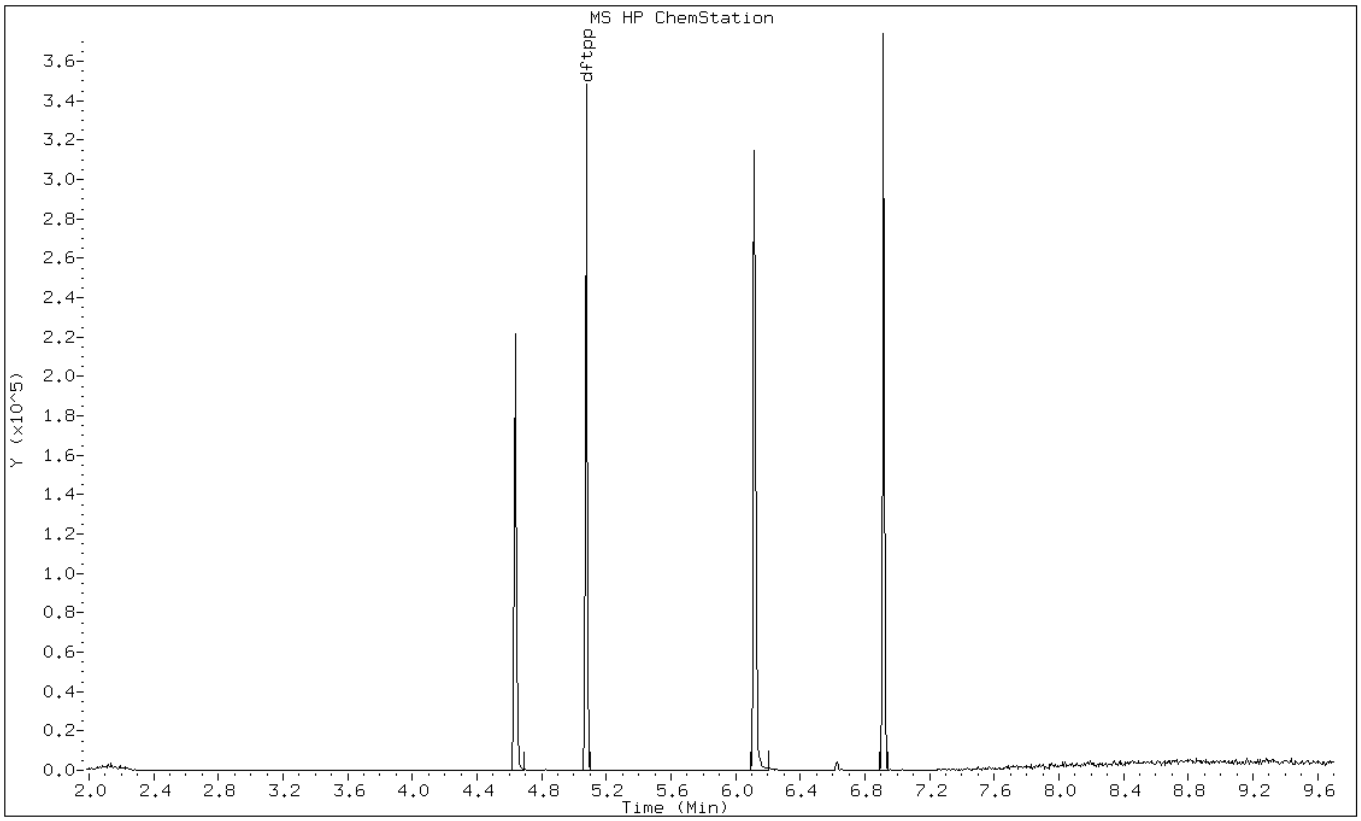
					CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 dftpp						CAS #:		
5.076	5.100	-0.024	198	31645			0.00- 100.00	100.00
5.076	5.100	-0.024	51	12157			30.00- 60.00	38.42
5.076	5.100	-0.024	68	0			0.00- 2.00	0.00
5.076	5.100	-0.024	69	14033			0.00- 0.00	44.35
5.076	5.100	-0.024	70	0			0.00- 2.00	0.00
5.076	5.100	-0.024	127	16696			40.00- 60.00	52.76
5.076	5.100	-0.024	197	0			0.00- 1.00	0.00
5.076	5.100	-0.024	199	2106			5.00- 9.00	6.66
5.076	5.100	-0.024	275	8245			10.00- 30.00	26.05
5.076	5.100	-0.024	365	1126			1.00- 0.00	3.56
5.076	5.100	-0.024	441	3399			0.01- 100.00	72.85
5.076	5.100	-0.024	442	24163			40.00- 110.00	76.36
5.076	5.100	-0.024	443	4666			17.00- 23.00	19.31

Data File: p30176.d

Date: 18-MAY-2012 03:06

Client ID: Instrument: BNAMS10.i

Sample Info: DFTPP-1427854 Operator: BNAMS3



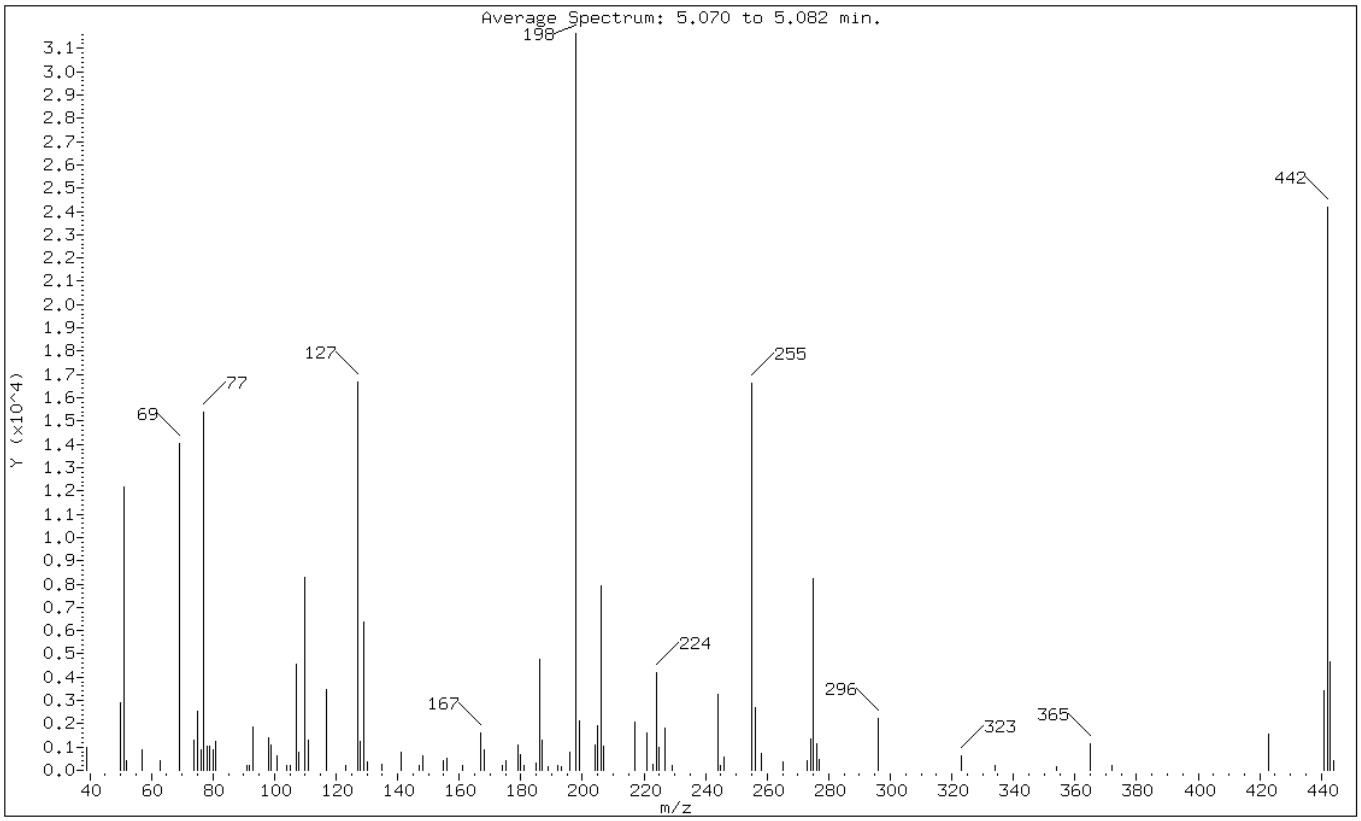
Data File: p30176.d

Date: 18-MAY-2012 03:06

Client ID: Instrument: BNAMS10.i

Sample Info: DFTPP-1427854 Operator: BNAMS3

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	38.42
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	44.35
70	Less than 2.00% of mass 69	0.00 (0.00)
127	40.00 - 60.00% of mass 198	52.76
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.66
275	10.00 - 30.00% of mass 198	26.05
365	Greater than 1.00% of mass 198	3.56
441	0.01 - 100.00% of mass 443	10.74 (72.85)
442	40.00 - 110.00% of mass 198	76.36
443	17.00 - 23.00% of mass 442	14.74 (19.31)

Data File: p30176.d

Date: 18-MAY-2012 03:06

Client ID: Instrument: BNAMS10.i

Sample Info: DFTPP-1427854 Operator: BNAMS3

Data File: /chem/BNAMS10.i/8270/05-16-12/18may12.b/p30176.d
Spectrum: Average Spectrum: 5.070 to 5.082 min.
Location of Maximum: 198.00
Number of points: 90

m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.00	970	107.00	4564	181.00	199	246.00	581
50.00	2901	108.00	793	185.00	306	255.00	16624
51.00	12157	110.00	8272	186.00	4785	256.00	2670
52.00	427	111.00	1291	187.00	1298	258.00	749
57.00	882	117.00	3482	189.00	170	265.00	350
63.00	417	123.00	222	192.00	193	273.00	433
69.00	14033	127.00	16696	193.00	176	274.00	1329
74.00	1314	128.00	1260	196.00	754	275.00	8245
75.00	2548	129.00	6370	198.00	31640	276.00	1139
76.00	902	130.00	381	199.00	2106	277.00	452
77.00	15397	135.00	274	204.00	1067	296.00	2230
78.00	1036	141.00	793	205.00	1937	323.00	615
79.00	1053	147.00	221	206.00	7906	334.00	195
80.00	863	148.00	612	207.00	1031	354.00	169
81.00	1243	155.00	405	217.00	2086	365.00	1126
91.00	185	156.00	498	221.00	1589	372.00	183
92.00	196	161.00	198	223.00	238	423.00	1577
93.00	1859	167.00	1606	224.00	4204	441.00	3399
98.00	1387	168.00	889	225.00	975	442.00	24160
99.00	1099	174.00	202	227.00	1825	443.00	4666
101.00	612	175.00	432	229.00	194	444.00	413
104.00	214	179.00	1112	244.00	3243		
105.00	223	180.00	653	245.00	202		

Data File: /chem/BNAMS10.i/8270/05-16-12/20may12.b/p30202.d
Report Date: 20-May-2012 17:45

TestAmerica

Data file : /chem/BNAMS10.i/8270/05-16-12/20may12.b/p30202.d
Lab Smp Id: DFTPP-1427854
Inj Date : 20-MAY-2012 17:23
Operator : BNAMS3 Inst ID: BNAMS10.i
Smp Info : DFTPP-1427854
Misc Info : bna 4642
Comment :
Method : /chem/BNAMS10.i/8270/05-16-12/20may12.b/BNADFTPP.m
Meth Date : 16-May-2012 11:58 monica Quant Type: ESTD
Cal Date : 11-JAN-2010 13:45 Cal File: h85796.d
Als bottle: 1 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: None

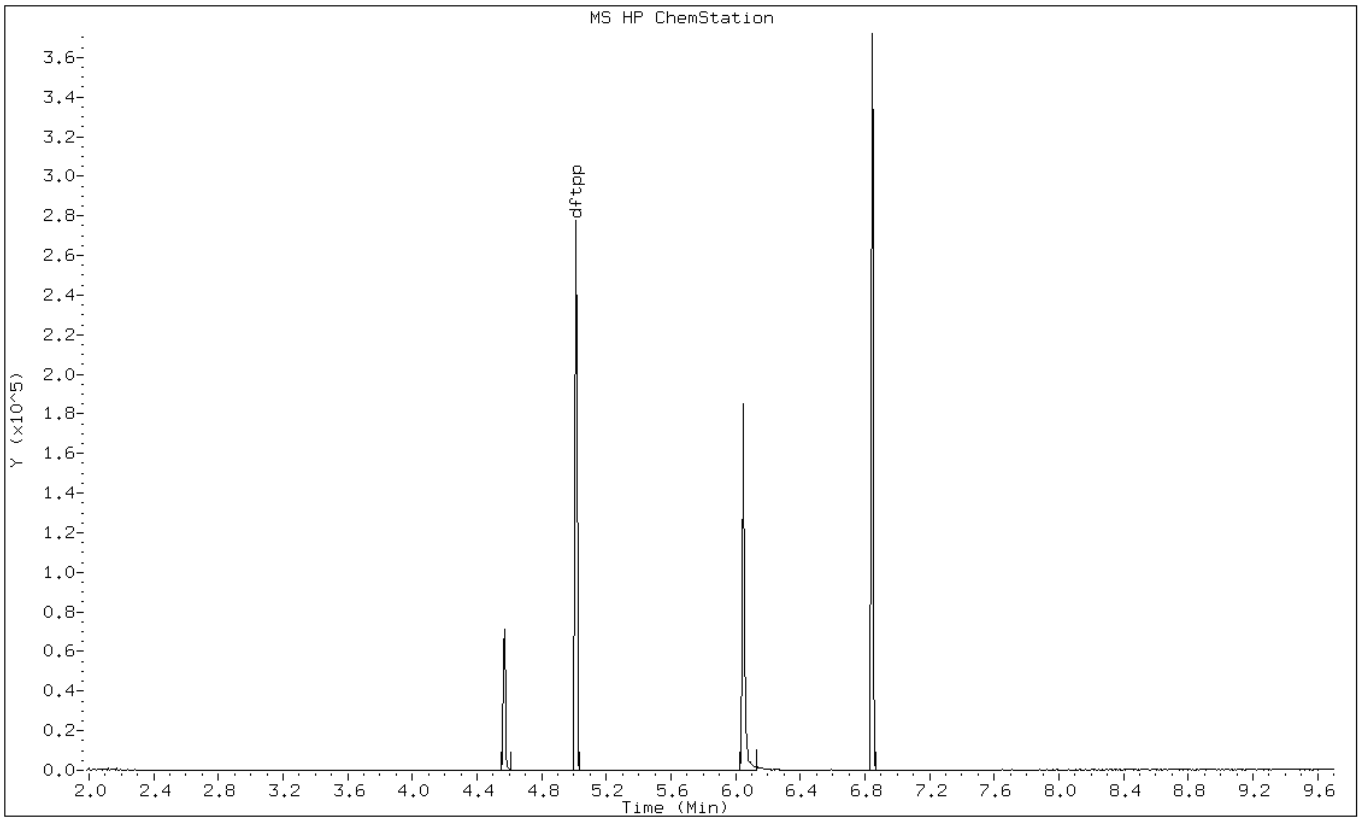
					CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 dftpp						CAS #:		
5.011	5.100	-0.089	198	25641			0.00- 100.00	100.00
5.011	5.100	-0.089	51	10116			30.00- 60.00	39.45
5.011	5.100	-0.089	68	0			0.00- 2.00	0.00
5.011	5.100	-0.089	69	10726			0.00- 0.00	41.83
5.011	5.100	-0.089	70	0			0.00- 2.00	0.00
5.011	5.100	-0.089	127	13259			40.00- 60.00	51.71
5.011	5.100	-0.089	197	0			0.00- 1.00	0.00
5.011	5.100	-0.089	199	1621			5.00- 9.00	6.32
5.011	5.100	-0.089	275	7027			10.00- 30.00	27.41
5.011	5.100	-0.089	365	751			1.00- 0.00	2.93
5.011	5.100	-0.089	441	2808			0.01- 100.00	73.49
5.011	5.100	-0.089	442	19678			40.00- 110.00	76.74
5.011	5.100	-0.089	443	3821			17.00- 23.00	19.42

Data File: p30202.d

Date: 20-MAY-2012 17:23

Client ID: Instrument: BNAMS10.i

Sample Info: DFTPP-1427854 Operator: BNAMS3



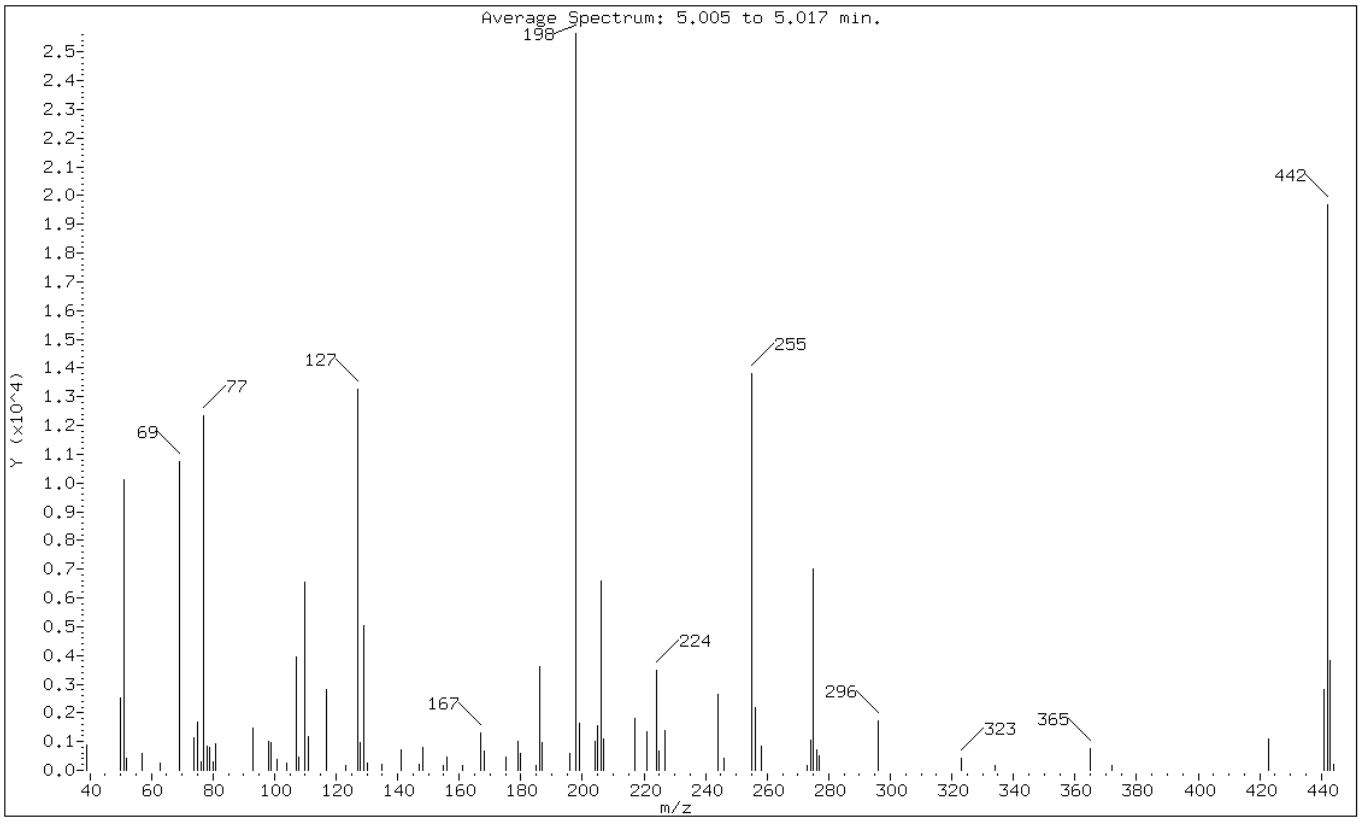
Data File: p30202.d

Date: 20-MAY-2012 17:23

Client ID: Instrument: BNAMS10.i

Sample Info: DFTPP-1427854 Operator: BNAMS3

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	39.45
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	41.83
70	Less than 2.00% of mass 69	0.00 (0.00)
127	40.00 - 60.00% of mass 198	51.71
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.32
275	10.00 - 30.00% of mass 198	27.41
365	Greater than 1.00% of mass 198	2.93
441	0.01 - 100.00% of mass 443	10.95 (73.49)
442	40.00 - 110.00% of mass 198	76.74
443	17.00 - 23.00% of mass 442	14.90 (19.42)

Data File: p30202.d

Date: 20-MAY-2012 17:23

Client ID:

Instrument: BNAMS10.i

Sample Info: DFTPP-1427854

Operator: BNAMS3

Data File: /chem/BNAMS10.i/8270/05-16-12/20may12.b/p30202.d
Spectrum: Average Spectrum: 5.005 to 5.017 min.
Location of Maximum: 198.00
Number of points: 77

m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.00	901	107.00	3951	179.00	990	256.00	2191
50.00	2534	108.00	476	180.00	583	258.00	819
51.00	10116	110.00	6534	185.00	183	273.00	186
52.00	422	111.00	1160	186.00	3593	274.00	1063
57.00	599	117.00	2797	187.00	950	275.00	7027
63.00	248	123.00	178	196.00	580	276.00	722
69.00	10726	127.00	13259	198.00	25640	277.00	494
74.00	1113	128.00	965	199.00	1621	296.00	1734
75.00	1660	129.00	5056	204.00	1000	323.00	432
76.00	285	130.00	241	205.00	1564	334.00	168
77.00	12349	135.00	191	206.00	6602	365.00	751
78.00	842	141.00	725	207.00	1088	372.00	170
79.00	808	147.00	225	217.00	1799	423.00	1078
80.00	299	148.00	796	221.00	1327	441.00	2808
81.00	913	155.00	179	224.00	3477	442.00	19672
93.00	1480	156.00	459	225.00	675	443.00	3821
98.00	1006	161.00	168	227.00	1370	444.00	189
99.00	985	167.00	1287	244.00	2626		
101.00	363	168.00	664	246.00	429		
104.00	253	175.00	462	255.00	13798		

Data File: /chem/BNAMS10.i/8270/05-16-12/21may12a.b/p30240.d
Report Date: 21-May-2012 15:50

TestAmerica

Data file : /chem/BNAMS10.i/8270/05-16-12/21may12a.b/p30240.d
Lab Smp Id: DFTPP-1427854
Inj Date : 21-MAY-2012 15:40
Operator : BNA2 Inst ID: BNAMS10.i
Smp Info : DFTPP-1427854
Misc Info : bna 4642
Comment   :
Method   : /chem/BNAMS10.i/8270/05-16-12/21may12a.b/BNADFTPP.m
Meth Date : 16-May-2012 11:58 monica Quant Type: ESTD
Cal Date : 11-JAN-2010 13:45 Cal File: h85796.d
Als bottle: 1 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: hpd1

					CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 dftpp						CAS #:		
4.976	5.100	-0.124	198	33479			0.00- 100.00	100.00
4.976	5.100	-0.124	51	11330			30.00- 60.00	33.84
4.976	5.100	-0.124	68	0			0.00- 2.00	0.00
4.976	5.100	-0.124	69	13130			0.00- 0.00	39.22
4.976	5.100	-0.124	70	0			0.00- 2.00	0.00
4.976	5.100	-0.124	127	16241			40.00- 60.00	48.51
4.976	5.100	-0.124	197	0			0.00- 1.00	0.00
4.976	5.100	-0.124	199	2103			5.00- 9.00	6.28
4.976	5.100	-0.124	275	8830			10.00- 30.00	26.37
4.976	5.100	-0.124	365	1141			1.00- 0.00	3.41
4.976	5.100	-0.124	441	4139			0.01- 100.00	77.92
4.976	5.100	-0.124	442	29602			40.00- 110.00	88.42
4.976	5.100	-0.124	443	5312			17.00- 23.00	17.94

Data File: p30240.d

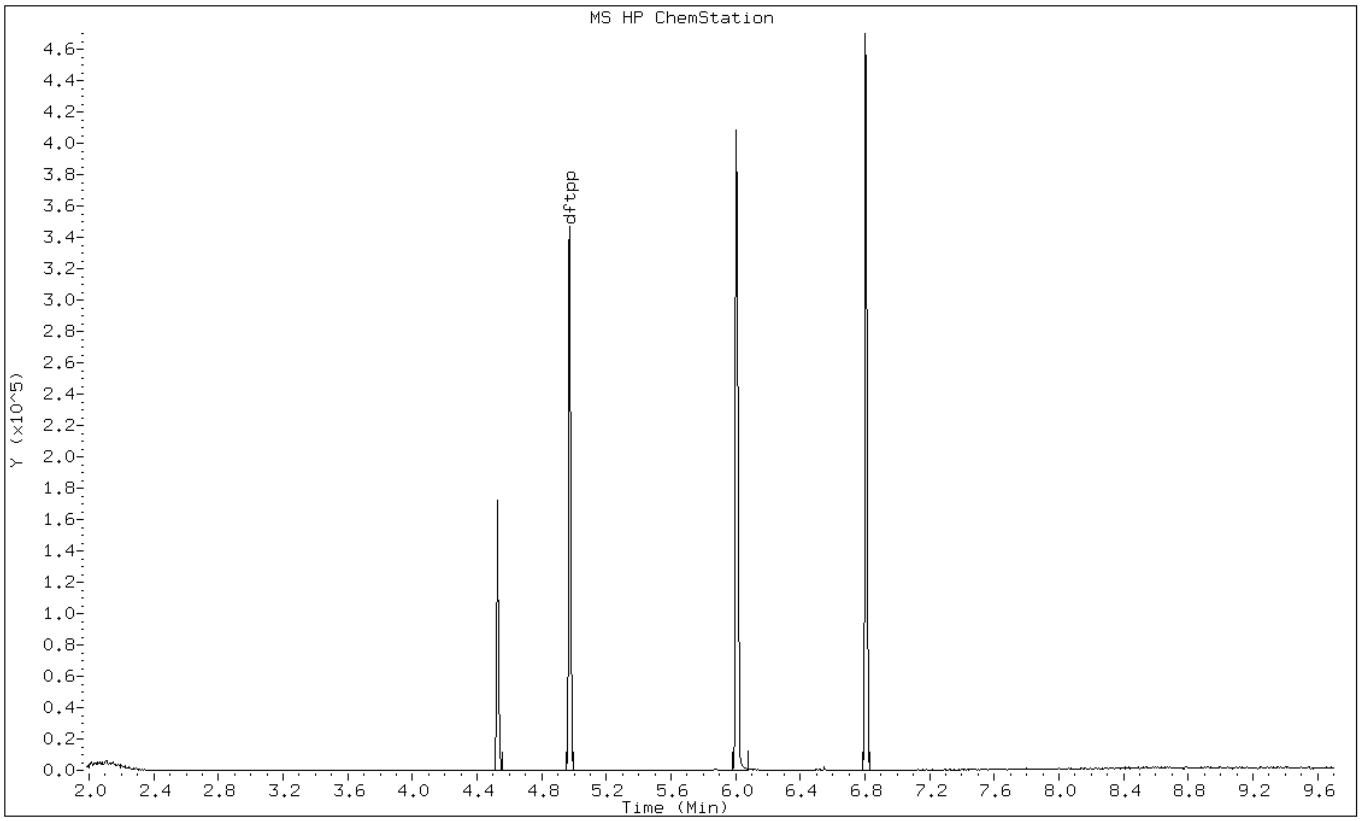
Date: 21-MAY-2012 15:40

Client ID:

Instrument: BNAMS10.i

Sample Info: DFTPP-1427854

Operator: BNA2



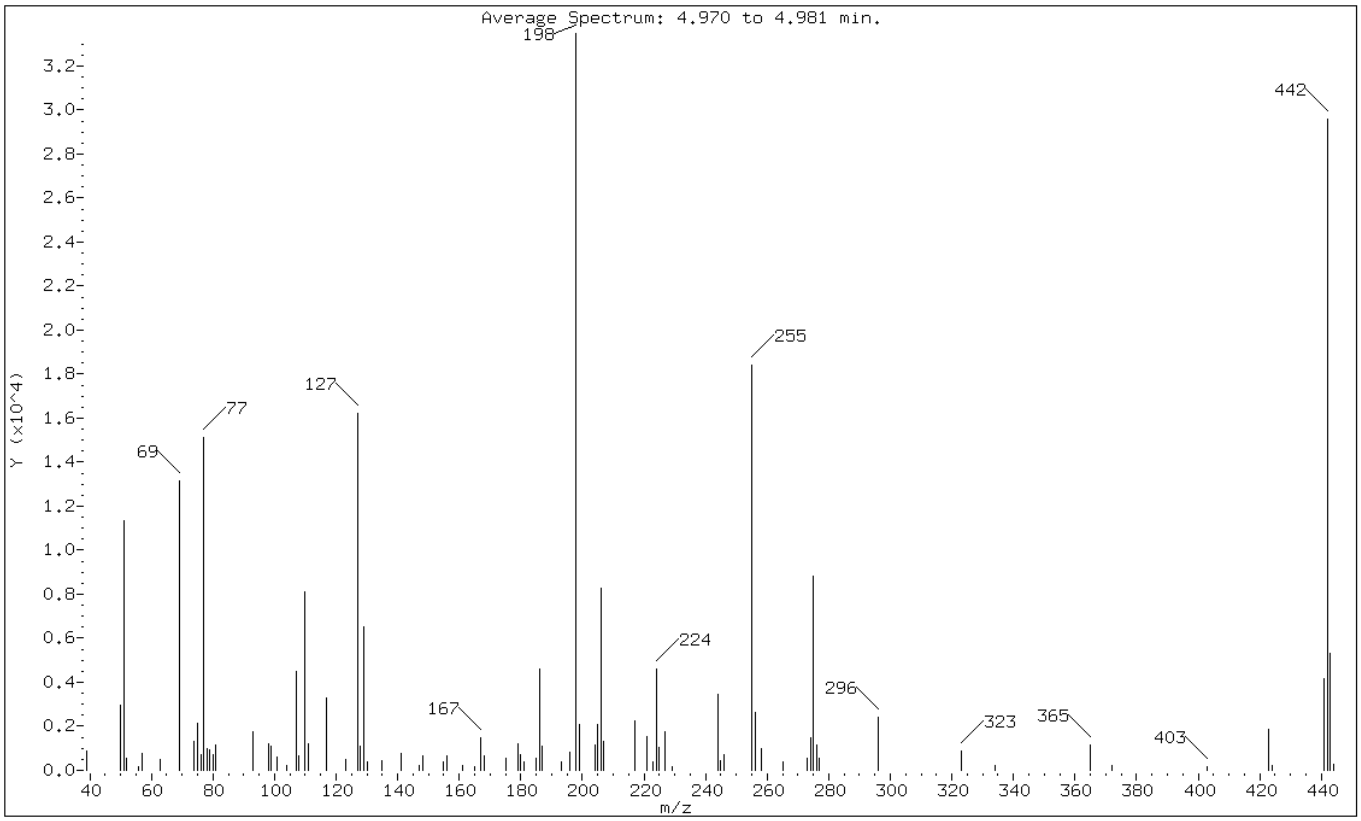
Data File: p30240.d

Date: 21-MAY-2012 15:40

Client ID: Instrument: BNAMS10.i

Sample Info: DFTPP-1427854 Operator: BNA2

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	33.84
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	39.22
70	Less than 2.00% of mass 69	0.00 (0.00)
127	40.00 - 60.00% of mass 198	48.51
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.28
275	10.00 - 30.00% of mass 198	26.37
365	Greater than 1.00% of mass 198	3.41
441	0.01 - 100.00% of mass 443	12.36 (77.92)
442	40.00 - 110.00% of mass 198	88.42
443	17.00 - 23.00% of mass 442	15.87 (17.94)

Data File: p30240.d

Date: 21-MAY-2012 15:40

Client ID: Instrument: BNAMS10.i

Sample Info: DFTPP-1427854 Operator: BNA2

Data File: /chem/BNAMS10.i/8270/05-16-12/21may12a.b/p30240.d
Spectrum: Average Spectrum: 4.970 to 4.981 min.
Location of Maximum: 198.00
Number of points: 87

m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.00	852	108.00	669	181.00	376	255.00	18416
50.00	2936	110.00	8110	185.00	529	256.00	2647
51.00	11330	111.00	1190	186.00	4618	258.00	1012
52.00	556	117.00	3266	187.00	1114	265.00	380
56.00	186	123.00	518	193.00	377	273.00	561
57.00	781	127.00	16241	196.00	799	274.00	1495
63.00	487	128.00	1119	198.00	33472	275.00	8830
69.00	13130	129.00	6511	199.00	2103	276.00	1177
74.00	1306	130.00	379	204.00	1159	277.00	565
75.00	2142	135.00	419	205.00	2077	296.00	2437
76.00	726	141.00	785	206.00	8263	323.00	885
77.00	15136	147.00	204	207.00	1317	334.00	244
78.00	980	148.00	644	217.00	2255	365.00	1141
79.00	910	155.00	398	221.00	1536	372.00	237
80.00	721	156.00	632	223.00	370	403.00	181
81.00	1140	161.00	192	224.00	4610	423.00	1877
93.00	1728	165.00	167	225.00	1019	424.00	196
98.00	1210	167.00	1469	227.00	1741	441.00	4139
99.00	1077	168.00	665	229.00	181	442.00	29600
101.00	617	175.00	530	244.00	3474	443.00	5312
104.00	223	179.00	1196	245.00	421	444.00	294
107.00	4482	180.00	694	246.00	731		

Data File: /chem/BNAMS4.i/8270T/05-18-12/18may12.b/u76537.d
Report Date: 18-May-2012 11:32

TestAmerica

Data file : /chem/BNAMS4.i/8270T/05-18-12/18may12.b/u76537.d
Lab Smp Id: DFTPP-1427854
Inj Date : 18-MAY-2012 11:19
Operator : BNA2 Inst ID: BNAMS4.i
Smp Info : DFTPP-1427854
Misc Info : 25ng/uL DFTPP Lot 4642
Comment :
Method : /chem/BNAMS4.i/8270T/05-18-12/18may12.b/BNADFTPP.m
Meth Date : 18-May-2012 11:31 czhao Quant Type: ESTD
Cal Date : 11-JAN-2010 13:45 Cal File: h85796.d
Als bottle: 96 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: hpd1

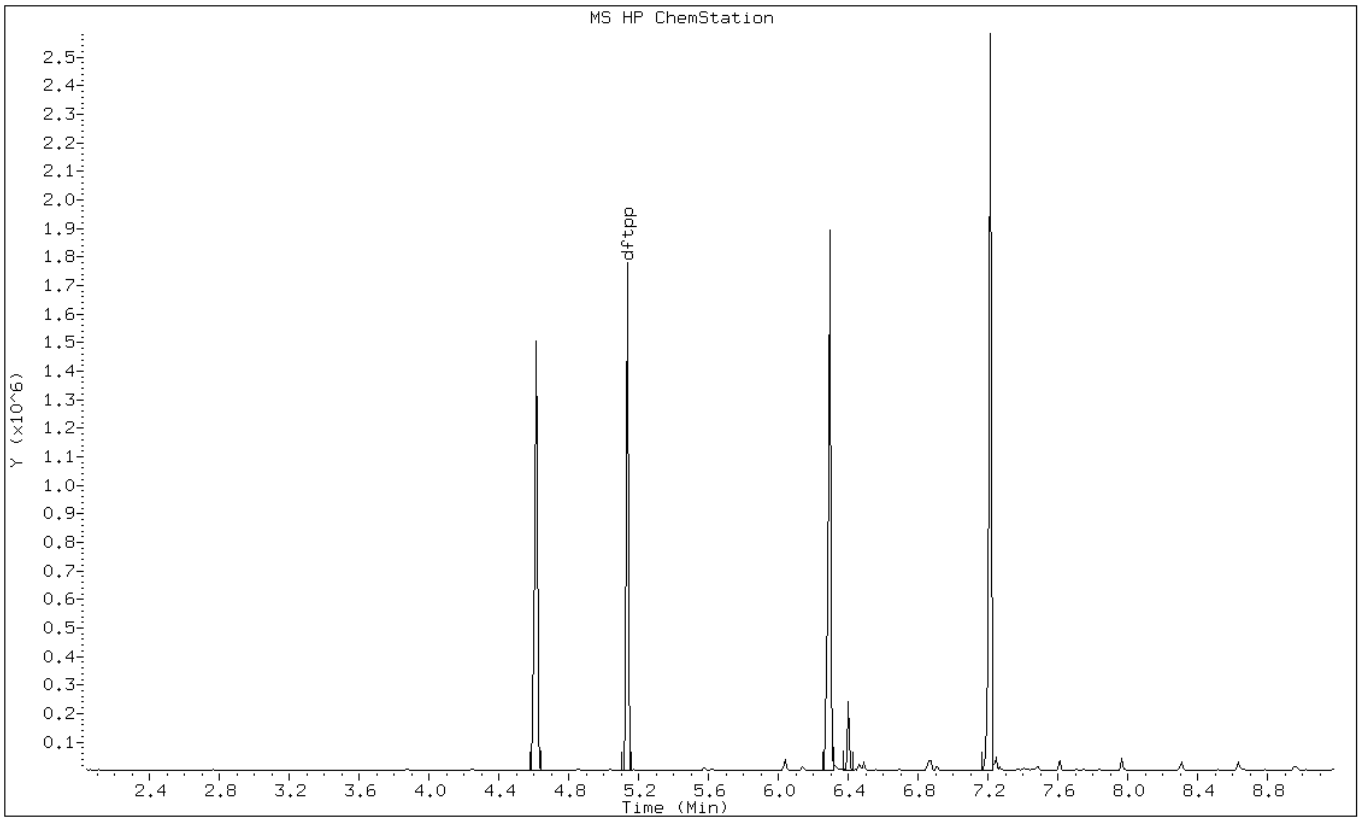
					CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 dftpp						CAS #:		
5.137	5.130	0.007	198	122293			0.00- 100.00	100.00
5.137	5.130	0.007	51	67435			30.00- 60.00	55.14
5.137	5.130	0.007	68	0			0.00- 2.00	0.00
5.137	5.130	0.007	69	89650			0.00- 0.00	73.31
5.137	5.130	0.007	70	362			0.00- 2.00	0.40
5.137	5.130	0.007	127	56450			40.00- 60.00	46.16
5.137	5.130	0.007	197	0			0.00- 1.00	0.00
5.137	5.130	0.007	199	8809			5.00- 9.00	7.20
5.137	5.130	0.007	275	24176			10.00- 30.00	19.77
5.137	5.130	0.007	365	3198			1.00- 0.00	2.62
5.137	5.130	0.007	441	12034			0.01- 100.00	84.74
5.137	5.130	0.007	442	75216			40.00- 110.00	61.50
5.137	5.130	0.007	443	14201			17.00- 23.00	18.88

Data File: u76537.d

Date: 18-MAY-2012 11:19

Client ID: Instrument: BNAMS4.i

Sample Info: DFTPP-1427854 Operator: BNA2



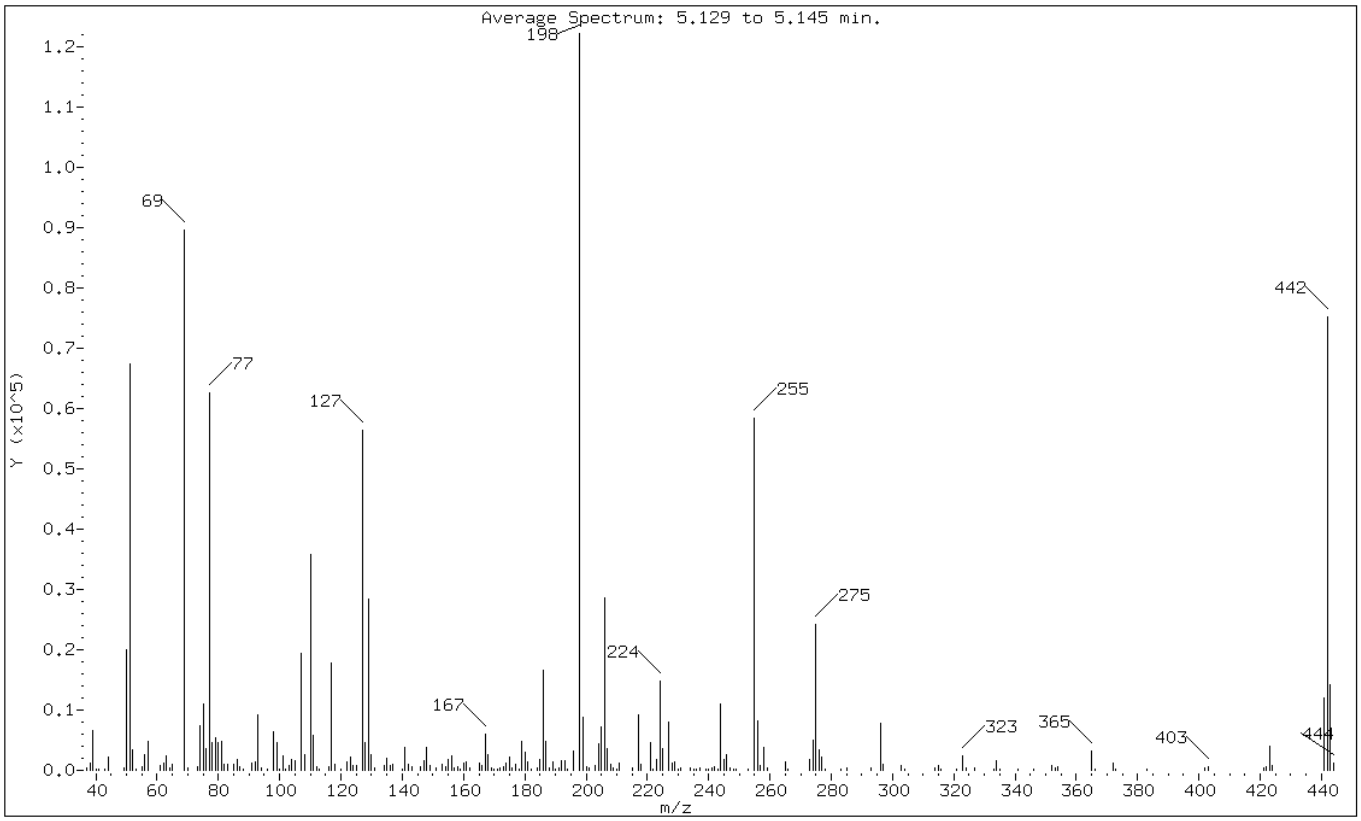
Data File: u76537.d

Date: 18-MAY-2012 11:19

Client ID: Instrument: BNAMS4.i

Sample Info: DFTPP-1427854 Operator: BNA2

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	55.14
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	73.31
70	Less than 2.00% of mass 69	0.30 (0.40)
127	40.00 - 60.00% of mass 198	46.16
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	7.20
275	10.00 - 30.00% of mass 198	19.77
365	Greater than 1.00% of mass 198	2.62
441	0.01 - 100.00% of mass 443	9.84 (84.74)
442	40.00 - 110.00% of mass 198	61.50
443	17.00 - 23.00% of mass 442	11.61 (18.88)

Data File: u76537.d

Date: 18-MAY-2012 11:19

Client ID: Instrument: BNAMS4.i

Sample Info: DFTPP-1427854 Operator: BNA2

Data File: /chem/BNAMS4.i/8270T/05-18-12/18may12.b/u76537.d
Spectrum: Average Spectrum: 5.129 to 5.145 min.
Location of Maximum: 198.00
Number of points: 214

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	372	112.00	604	181.00	1418	249.00	190
38.00	1295	113.00	127	182.00	119	253.00	177
39.00	6541	116.00	504	184.00	384	255.00	58512
40.00	299	117.00	17784	185.00	1890	256.00	8107
41.00	287	118.00	1011	186.00	16640	257.00	822
43.00	103	120.00	209	187.00	4848	258.00	3807
44.00	2110	122.00	1473	188.00	498	259.00	451
49.00	455	123.00	2116	189.00	1346	265.00	1459
50.00	20088	124.00	846	190.00	146	266.00	117
51.00	67432	125.00	758	191.00	424	273.00	1803
52.00	3345	127.00	56448	192.00	1571	274.00	4991
53.00	124	128.00	4531	193.00	1644	275.00	24176
55.00	528	129.00	28456	194.00	238	276.00	3359
56.00	2561	130.00	2560	196.00	3209	277.00	2274
57.00	4897	131.00	326	198.00	122288	278.00	281
61.00	752	134.00	832	199.00	8809	283.00	111
62.00	1210	135.00	1951	200.00	619	285.00	333
63.00	2496	136.00	846	201.00	485	293.00	418
64.00	308	137.00	981	203.00	760	296.00	7899
65.00	999	140.00	107	204.00	4370	297.00	1052
69.00	89648	141.00	3799	205.00	7111	303.00	855
70.00	362	142.00	985	206.00	28552	304.00	150
73.00	573	143.00	555	207.00	3658	314.00	376
74.00	7410	146.00	538	208.00	1035	315.00	828
75.00	11051	147.00	1565	209.00	341	316.00	240
76.00	3580	148.00	3828	210.00	198	321.00	110
77.00	62704	149.00	716	211.00	1170	323.00	2413
78.00	4605	151.00	373	215.00	363	324.00	331
79.00	5430	153.00	993	217.00	9170	327.00	343
80.00	4531	154.00	634	218.00	915	333.00	140
81.00	4799	155.00	1835	221.00	4636	334.00	1685
82.00	1072	156.00	2319	222.00	210	335.00	133
83.00	955	157.00	443	223.00	1793	341.00	139
85.00	948	158.00	568	224.00	14889	346.00	299
86.00	1829	159.00	294	225.00	3532	352.00	768
87.00	536	160.00	1172	227.00	8067	353.00	494
88.00	248	161.00	1386	228.00	1135	354.00	551
91.00	1298	162.00	363	229.00	1447	365.00	3198
92.00	1419	165.00	1256	230.00	111	366.00	162
93.00	9125	166.00	878	231.00	484	372.00	1105

94.00	461	167.00	5911	234.00	377	373.00	142
96.00	255	168.00	2620	235.00	258	383.00	174
98.00	6385	169.00	449	236.00	122	402.00	450
99.00	4629	170.00	152	237.00	400	403.00	555
100.00	253	171.00	265	239.00	182	421.00	387
101.00	2488	172.00	463	240.00	151	422.00	608
102.00	102	173.00	694	241.00	336	423.00	4100
103.00	799	174.00	1254	242.00	555	424.00	794
104.00	1815	175.00	2217	243.00	267	441.00	12034
105.00	1633	176.00	464	244.00	11057	442.00	75216
107.00	19376	177.00	919	245.00	1737	443.00	14201
108.00	2692	178.00	173	246.00	2551	444.00	1194
110.00	35832	179.00	4832	247.00	413		
111.00	5752	180.00	2993	248.00	105		

Data File: /chem/BNAMS4.i/8270T/05-18-12/21may12a.b/u76591.d
Report Date: 21-May-2012 09:30

TestAmerica

Data file : /chem/BNAMS4.i/8270T/05-18-12/21may12a.b/u76591.d
Lab Smp Id: DFTPP-1427854
Inj Date : 21-MAY-2012 09:16
Operator : BNA2 Inst ID: BNAMS4.i
Smp Info : DFTPP-1427854
Misc Info : 25ng/uL DFTPP Lot 4642
Comment :
Method : /chem/BNAMS4.i/8270T/05-18-12/21may12a.b/BNADFTPP.m
Meth Date : 18-May-2012 11:31 czhao Quant Type: ESTD
Cal Date : 11-JAN-2010 13:45 Cal File: h85796.d
Als bottle: 96 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: hpd1

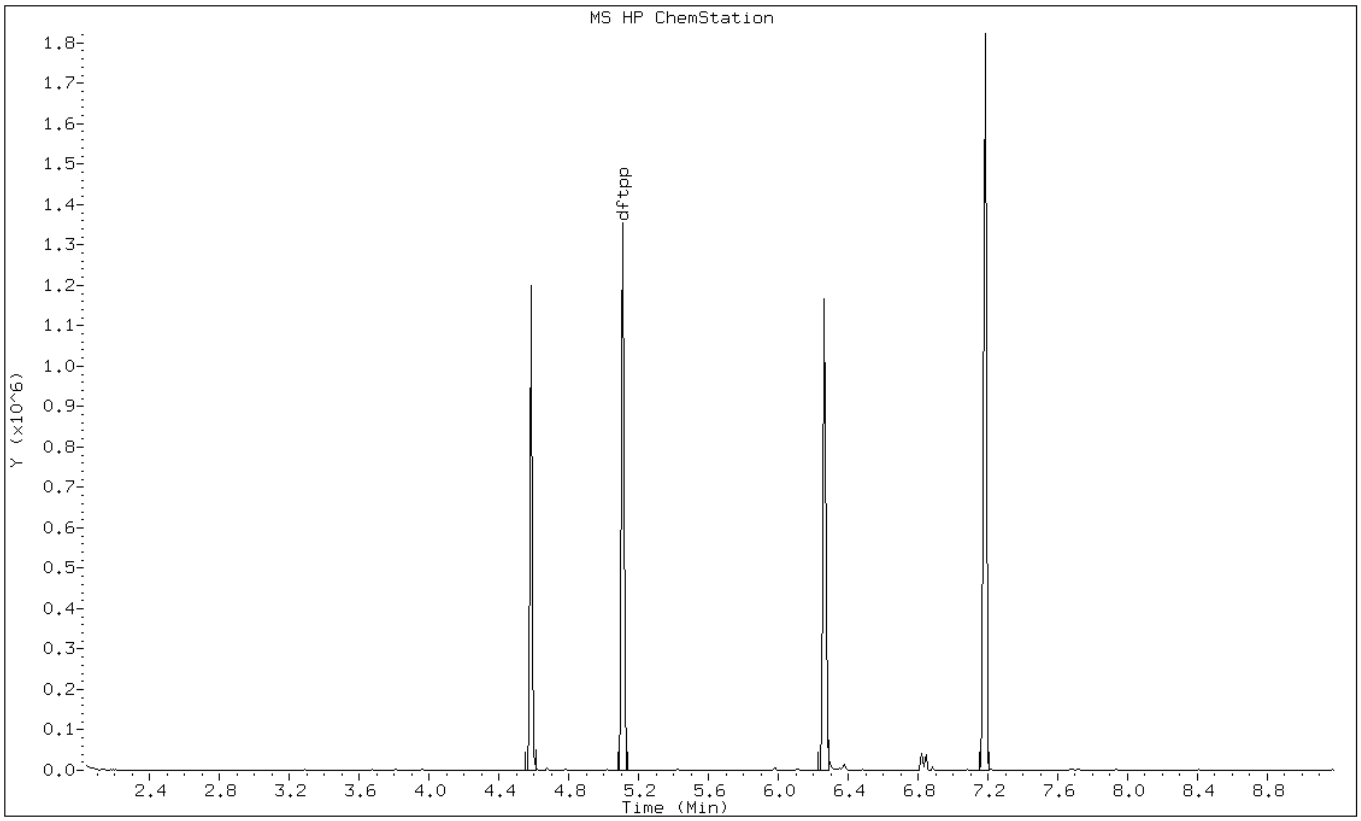
					CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 dftpp						CAS #:		
5.114	5.130	-0.016	198	91010			0.00- 100.00	100.00
5.114	5.130	-0.016	51	54317			30.00- 60.00	59.68
5.114	5.130	-0.016	68	0			0.00- 2.00	0.00
5.114	5.130	-0.016	69	73785			0.00- 0.00	81.07
5.114	5.130	-0.016	70	136			0.00- 2.00	0.18
5.114	5.130	-0.016	127	41915			40.00- 60.00	46.06
5.114	5.130	-0.016	197	0			0.00- 1.00	0.00
5.114	5.130	-0.016	199	6690			5.00- 9.00	7.35
5.114	5.130	-0.016	275	17961			10.00- 30.00	19.74
5.114	5.130	-0.016	365	2764			1.00- 0.00	3.04
5.114	5.130	-0.016	441	9088			0.01- 100.00	81.46
5.114	5.130	-0.016	442	59197			40.00- 110.00	65.04
5.114	5.130	-0.016	443	11156			17.00- 23.00	18.85

Data File: u76591.d

Date: 21-MAY-2012 09:16

Client ID: Instrument: BNAMS4.i

Sample Info: DFTPP-1427854 Operator: BNA2



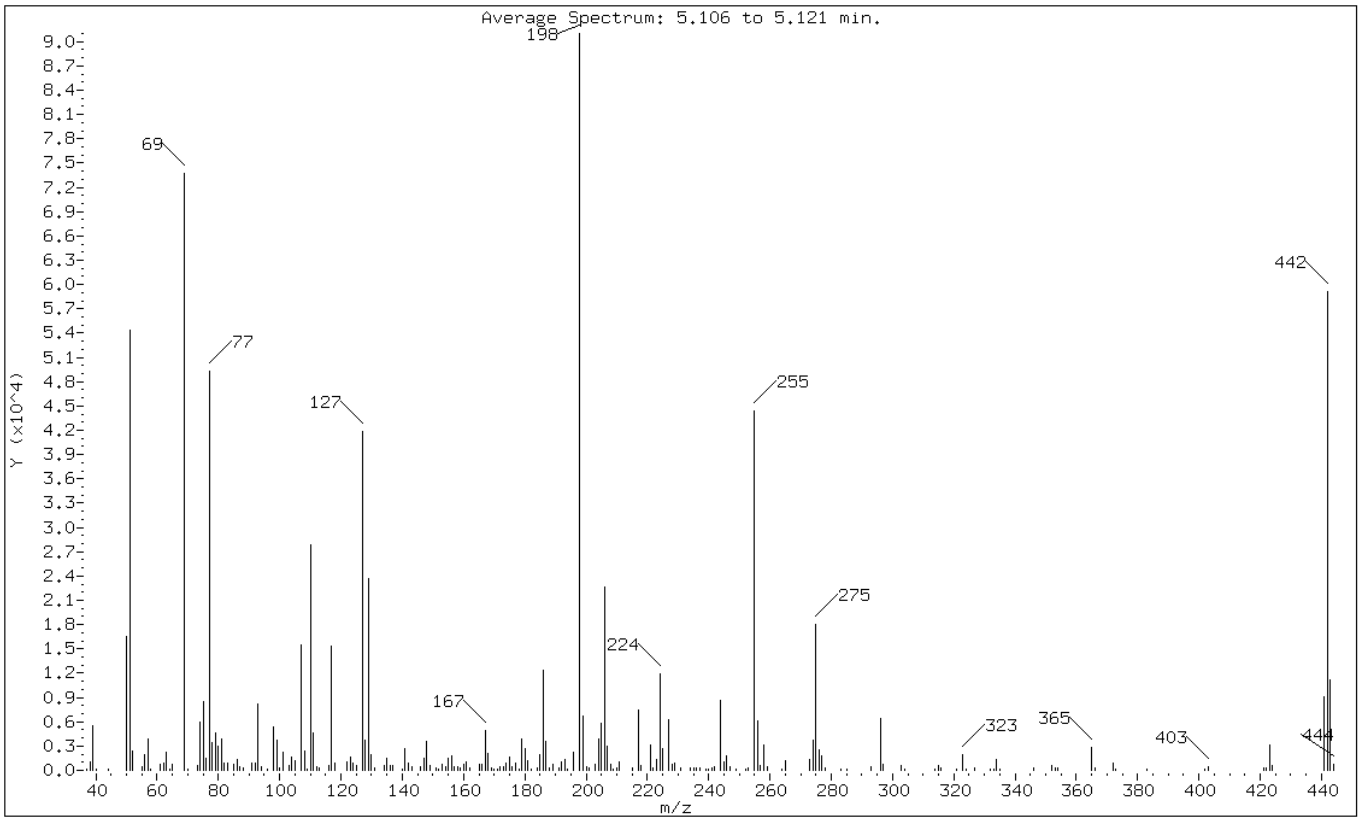
Data File: u76591.d

Date: 21-MAY-2012 09:16

Client ID: Instrument: BNAMS4.i

Sample Info: DFTPP-1427854 Operator: BNA2

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	59.68
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	81.07
70	Less than 2.00% of mass 69	0.15 (0.18)
127	40.00 - 60.00% of mass 198	46.06
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	7.35
275	10.00 - 30.00% of mass 198	19.74
365	Greater than 1.00% of mass 198	3.04
441	0.01 - 100.00% of mass 443	9.99 (81.46)
442	40.00 - 110.00% of mass 198	65.04
443	17.00 - 23.00% of mass 442	12.26 (18.85)

Data File: u76591.d

Date: 21-MAY-2012 09:16

Client ID: Instrument: BNAMS4.i

Sample Info: DFTPP-1427854 Operator: BNA2

Data File: /chem/BNAMS4.i/8270T/05-18-12/21may12a.b/u76591.d
Spectrum: Average Spectrum: 5.106 to 5.121 min.
Location of Maximum: 198.00
Number of points: 208

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	202	116.00	601	182.00	208	256.00	6109
38.00	1056	117.00	15360	184.00	313	257.00	603
39.00	5541	118.00	930	185.00	1895	258.00	3142
40.00	217	122.00	1070	186.00	12393	259.00	411
44.00	108	123.00	1632	187.00	3591	264.00	103
50.00	16536	124.00	903	188.00	362	265.00	1149
51.00	54312	125.00	652	189.00	796	273.00	1381
52.00	2392	127.00	41912	191.00	364	274.00	3681
55.00	392	128.00	3686	192.00	1112	275.00	17960
56.00	1930	129.00	23640	193.00	1294	276.00	2509
57.00	3810	130.00	1880	194.00	132	277.00	1772
58.00	137	131.00	270	196.00	2195	278.00	261
61.00	741	134.00	644	198.00	91008	283.00	113
62.00	858	135.00	1559	199.00	6690	285.00	126
63.00	2180	136.00	613	200.00	462	293.00	378
64.00	100	137.00	545	201.00	326	296.00	6462
65.00	812	140.00	156	203.00	802	297.00	704
69.00	73784	141.00	2673	204.00	3934	303.00	538
70.00	136	142.00	874	205.00	5793	304.00	124
73.00	554	143.00	418	206.00	22664	314.00	215
74.00	5920	146.00	505	207.00	3049	315.00	667
75.00	8514	147.00	1449	208.00	781	316.00	361
76.00	1511	148.00	3576	209.00	146	321.00	101
77.00	49264	149.00	526	210.00	270	323.00	1926
78.00	3395	151.00	291	211.00	996	324.00	180
79.00	4613	152.00	116	215.00	305	327.00	295
80.00	3004	153.00	673	217.00	7389	332.00	117
81.00	3823	154.00	482	218.00	667	333.00	161
82.00	935	155.00	1469	221.00	3200	334.00	1318
83.00	844	156.00	1806	222.00	271	335.00	158
85.00	692	157.00	409	223.00	1407	346.00	346
86.00	1314	158.00	435	224.00	11982	352.00	541
87.00	465	159.00	357	225.00	2701	353.00	296
88.00	226	160.00	691	227.00	6263	354.00	324
91.00	828	161.00	1046	228.00	807	365.00	2764
92.00	908	162.00	291	229.00	903	366.00	288
93.00	8158	165.00	773	231.00	304	372.00	932
94.00	395	166.00	734	234.00	226	373.00	140
96.00	142	167.00	4907	235.00	352	383.00	115
98.00	5311	168.00	2151	236.00	244	402.00	202

99.00	3738	169.00	303	237.00	236	403.00	422
100.00	336	170.00	149	239.00	133	421.00	297
101.00	2166	171.00	134	240.00	136	422.00	321
103.00	635	172.00	493	241.00	343	423.00	3128
104.00	1636	173.00	487	242.00	488	424.00	577
105.00	1185	174.00	847	244.00	8572	441.00	9088
107.00	15479	175.00	1684	245.00	1089	442.00	59192
108.00	2325	176.00	391	246.00	1810	443.00	11156
109.00	113	177.00	884	247.00	375	444.00	778
110.00	27784	178.00	148	249.00	163		
111.00	4566	179.00	3854	252.00	106		
112.00	377	180.00	2647	253.00	275		
113.00	226	181.00	1120	255.00	44320		

Data File: /chem/BNAMS4.i/8270T/05-24-12/24may12.b/u76722.d
Report Date: 24-May-2012 06:00

TestAmerica

Data file : /chem/BNAMS4.i/8270T/05-24-12/24may12.b/u76722.d
Lab Smp Id: DFTPP-1427854
Inj Date : 24-MAY-2012 03:43
Operator : BNAMS3 Inst ID: BNAMS4.i
Smp Info : DFTPP-1427854
Misc Info : 25ng/uL DFTPP Lot 4642
Comment   :
Method   : /chem/BNAMS4.i/8270T/05-24-12/24may12.b/BNADFTPP.m
Meth Date : 18-May-2012 11:31 czhao Quant Type: ESTD
Cal Date : 11-JAN-2010 13:45 Cal File: h85796.d
Als bottle: 96 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: None

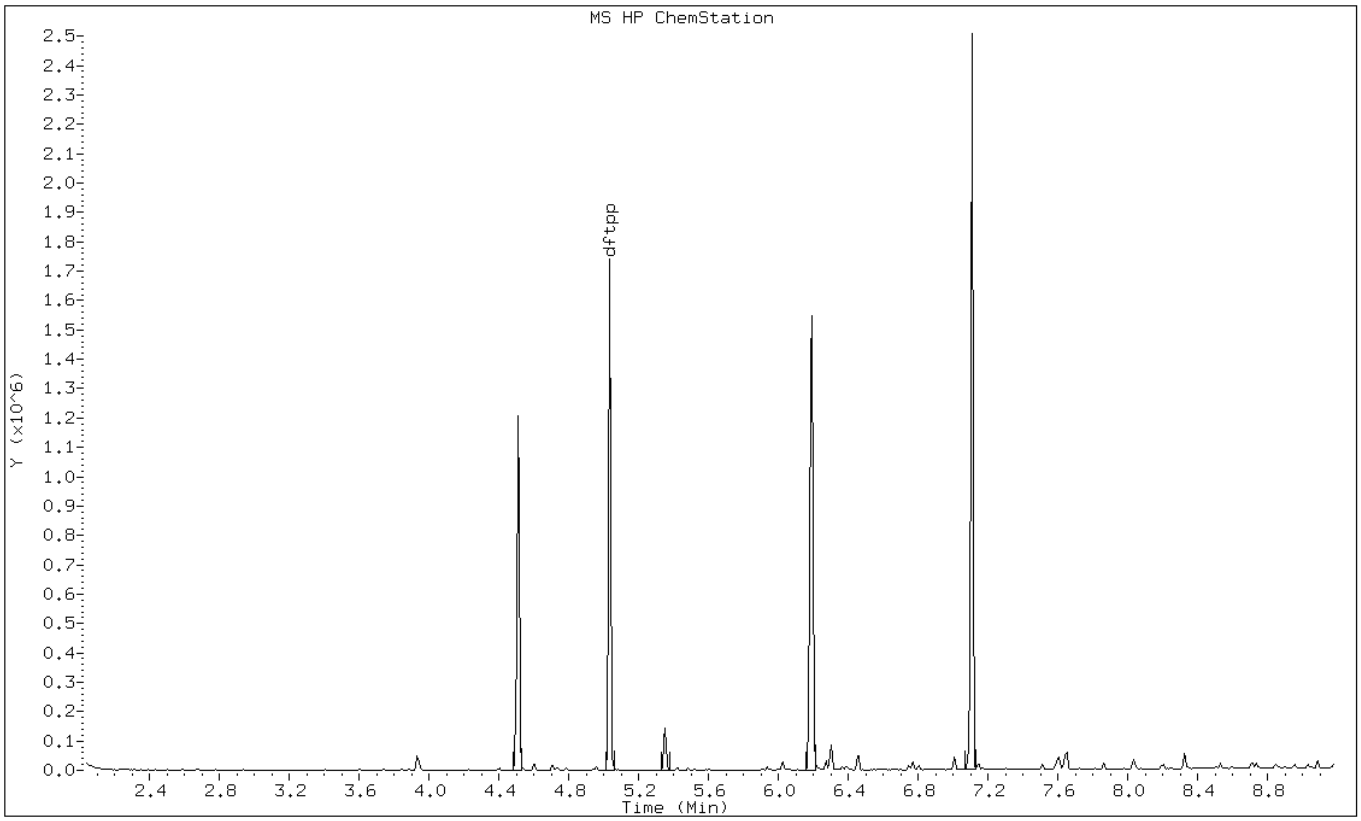
RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 dftpp						CAS #:		
5.036	5.130	-0.094	198	123269			0.00- 100.00	100.00
5.036	5.130	-0.094	51	72933			30.00- 60.00	59.17
5.036	5.130	-0.094	68	0			0.00- 2.00	0.00
5.036	5.130	-0.094	69	101538			0.00- 0.00	82.37
5.036	5.130	-0.094	70	303			0.00- 2.00	0.30
5.036	5.130	-0.094	127	57560			40.00- 60.00	46.69
5.036	5.130	-0.094	197	0			0.00- 1.00	0.00
5.036	5.130	-0.094	199	8520			5.00- 9.00	6.91
5.036	5.130	-0.094	275	23992			10.00- 30.00	19.46
5.036	5.130	-0.094	365	3387			1.00- 0.00	2.75
5.036	5.130	-0.094	441	11046			0.01- 100.00	84.02
5.036	5.130	-0.094	442	69890			40.00- 110.00	56.70
5.036	5.130	-0.094	443	13147			17.00- 23.00	18.81

Data File: u76722.d

Date: 24-MAY-2012 03:43

Client ID: Instrument: BNAMS4.i

Sample Info: DFTPP-1427854 Operator: BNAMS3



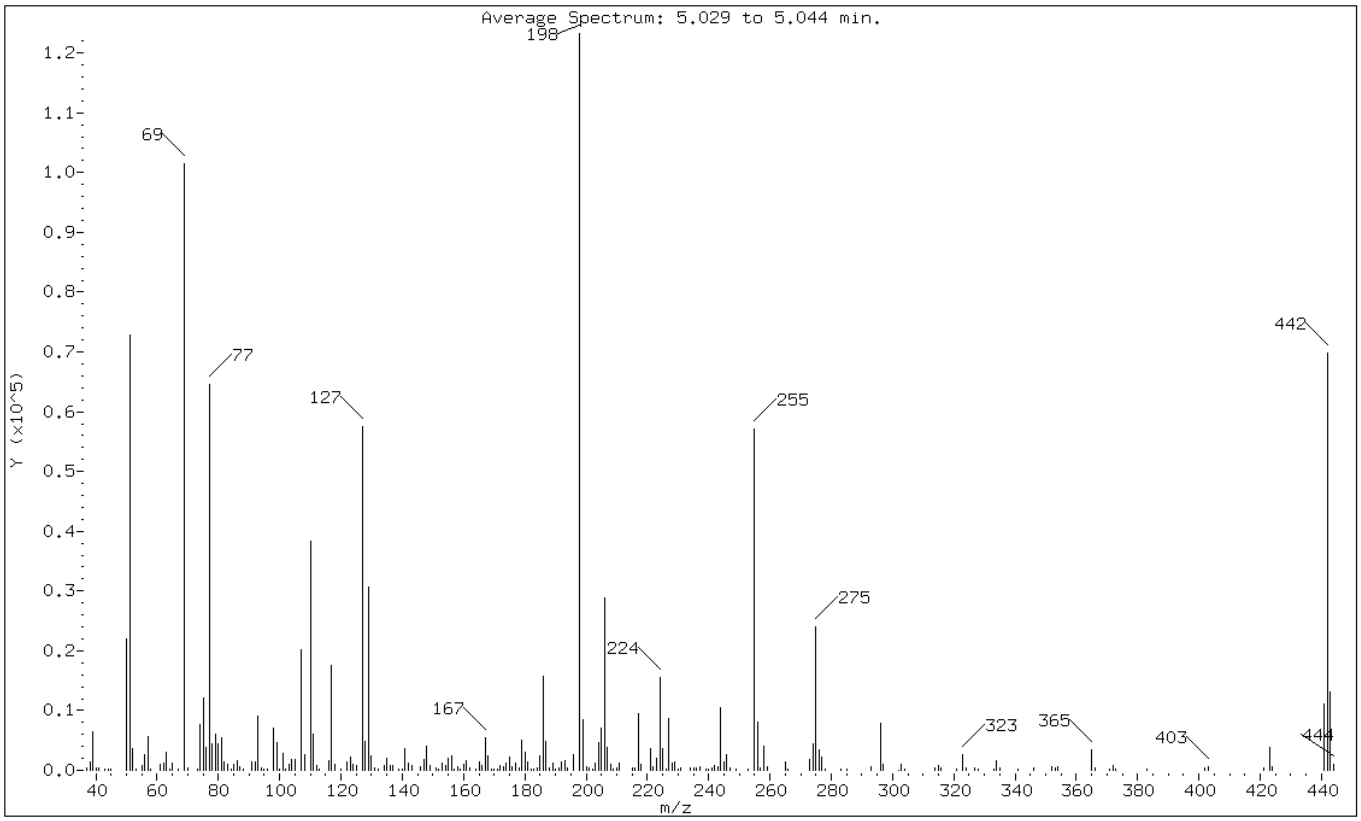
Data File: u76722.d

Date: 24-MAY-2012 03:43

Client ID: Instrument: BNAMS4.i

Sample Info: DFTPP-1427854 Operator: BNAMS3

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	59.17
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	82.37
70	Less than 2.00% of mass 69	0.25 (0.30)
127	40.00 - 60.00% of mass 198	46.69
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.91
275	10.00 - 30.00% of mass 198	19.46
365	Greater than 1.00% of mass 198	2.75
441	0.01 - 100.00% of mass 443	8.96 (84.02)
442	40.00 - 110.00% of mass 198	56.70
443	17.00 - 23.00% of mass 442	10.67 (18.81)

Data File: u76722.d

Date: 24-MAY-2012 03:43

Client ID: Instrument: BNAMS4.i

Sample Info: DFTPP-1427854 Operator: BNAMS3

Data File: /chem/BNAMS4.i/8270T/05-24-12/24may12.b/u76722.d
Spectrum: Average Spectrum: 5.029 to 5.044 min.
Location of Maximum: 198.00
Number of points: 227

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	398	111.00	5997	179.00	5057	246.00	2699
38.00	1340	112.00	873	180.00	3077	247.00	349
39.00	6470	113.00	122	181.00	1388	249.00	294
40.00	310	116.00	1515	182.00	139	253.00	176
41.00	436	117.00	17496	183.00	102	255.00	57168
43.00	259	118.00	1020	184.00	327	256.00	8066
44.00	230	120.00	141	185.00	2357	257.00	435
45.00	101	122.00	1383	186.00	15657	258.00	3937
50.00	21960	123.00	2268	187.00	4926	259.00	643
51.00	72928	124.00	993	188.00	487	265.00	1342
52.00	3537	125.00	775	189.00	1206	266.00	120
53.00	104	127.00	57560	190.00	128	273.00	1844
55.00	740	128.00	4848	191.00	441	274.00	4416
56.00	2565	129.00	30648	192.00	1501	275.00	23992
57.00	5622	130.00	2367	193.00	1630	276.00	3475
58.00	209	131.00	425	194.00	324	277.00	2311
61.00	972	132.00	104	196.00	2568	278.00	286
62.00	1169	134.00	786	198.00	123264	283.00	102
63.00	2975	135.00	1972	199.00	8520	285.00	262
64.00	293	136.00	785	200.00	619	293.00	505
65.00	1244	137.00	869	201.00	310	296.00	7827
67.00	135	139.00	112	202.00	163	297.00	1002
69.00	101536	140.00	222	203.00	1134	302.00	100
70.00	303	141.00	3604	204.00	4596	303.00	926
73.00	217	142.00	1129	205.00	7156	304.00	205
74.00	7617	143.00	790	206.00	28888	314.00	382
75.00	12084	146.00	704	207.00	3804	315.00	811
76.00	3773	147.00	1759	208.00	1090	316.00	318
77.00	64600	148.00	4006	209.00	254	321.00	129
78.00	4475	149.00	719	210.00	448	323.00	2548
79.00	5980	151.00	367	211.00	1127	324.00	473
80.00	4373	152.00	101	215.00	446	327.00	392
81.00	5445	153.00	1132	216.00	318	328.00	227
82.00	1379	154.00	817	217.00	9415	333.00	129
83.00	985	155.00	1948	218.00	1015	334.00	1567
84.00	105	156.00	2407	221.00	3610	335.00	304
85.00	1075	157.00	260	222.00	582	341.00	103
86.00	1688	158.00	610	223.00	2107	346.00	443
87.00	517	159.00	222	224.00	15476	352.00	619
88.00	169	160.00	963	225.00	3552	353.00	370

91.00	1431	161.00	1549	226.00	183	354.00	531
92.00	1351	162.00	341	227.00	8576	365.00	3387
93.00	9162	164.00	116	228.00	1153	366.00	356
94.00	448	165.00	1348	229.00	1392	371.00	113
95.00	112	166.00	903	230.00	135	372.00	828
96.00	187	167.00	5453	231.00	455	373.00	119
98.00	7156	168.00	2344	234.00	415	383.00	127
99.00	4641	169.00	226	235.00	372	402.00	439
100.00	204	170.00	104	236.00	324	403.00	508
101.00	2767	171.00	150	237.00	525	421.00	395
102.00	104	172.00	728	239.00	281	423.00	3852
103.00	1002	173.00	695	240.00	239	424.00	635
104.00	1728	174.00	1256	241.00	363	441.00	11046
105.00	1781	175.00	2229	242.00	798	442.00	69888
107.00	20080	176.00	588	243.00	579	443.00	13147
108.00	2671	177.00	1181	244.00	10440	444.00	1092
110.00	38384	178.00	373	245.00	1429		

Data File: /chem/BNAMS4.i/8270T/05-24-12/24may12a.b/u76730.d
Report Date: 24-May-2012 12:07

TestAmerica

Data file : /chem/BNAMS4.i/8270T/05-24-12/24may12a.b/u76730.d
Lab Smp Id: DFTPP-1427854
Inj Date : 24-MAY-2012 11:52
Operator : BNA2 Inst ID: BNAMS4.i
Smp Info : DFTPP-1427854
Misc Info : 25ng/uL DFTPP Lot 4642
Comment :
Method : /chem/BNAMS4.i/8270T/05-24-12/24may12a.b/BNADFTPP.m
Meth Date : 18-May-2012 11:31 czhao Quant Type: ESTD
Cal Date : 11-JAN-2010 13:45 Cal File: h85796.d
Als bottle: 96 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: hpd1

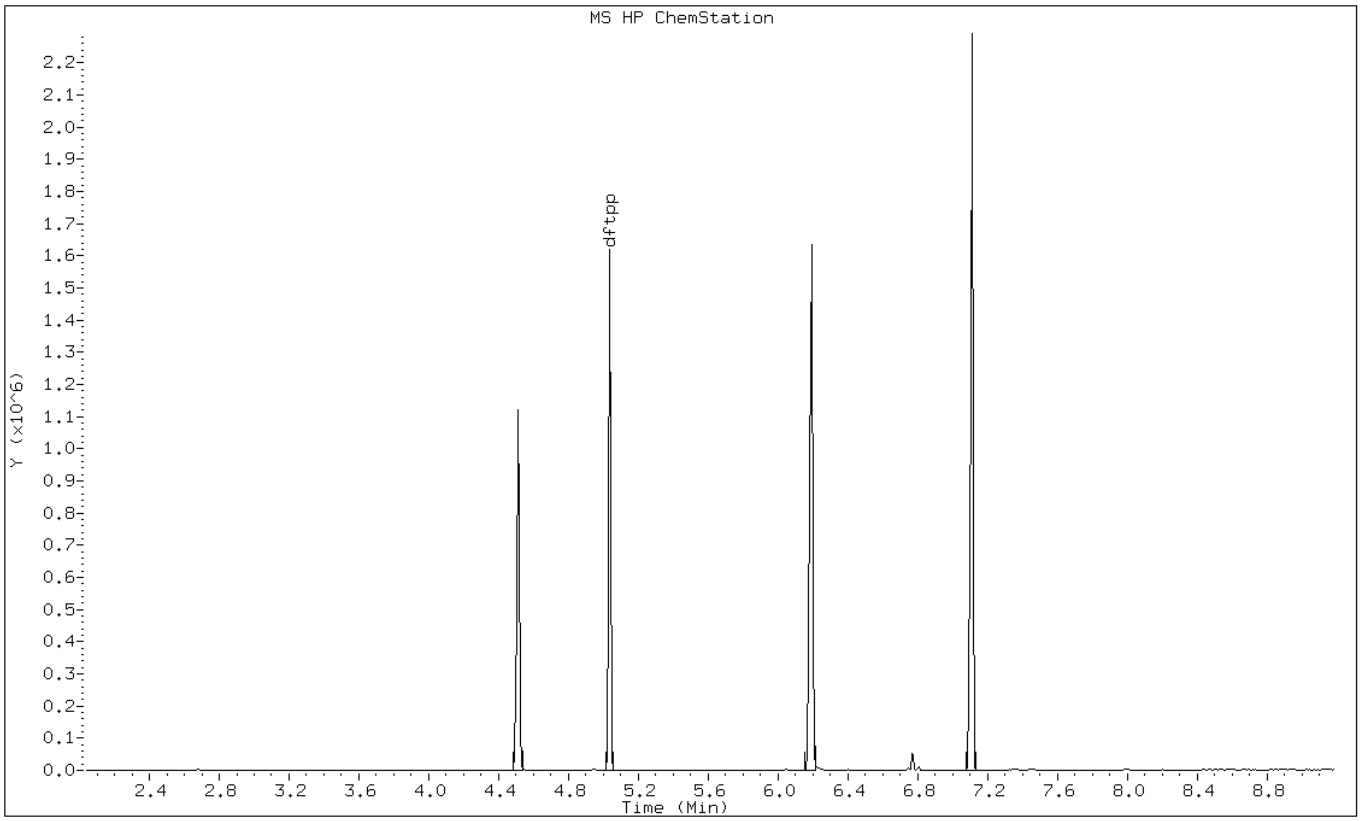
					CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 dftpp						CAS #:		
5.036	5.130	-0.094	198	114176			0.00- 100.00	100.00
5.036	5.130	-0.094	51	64010			30.00- 60.00	56.06
5.036	5.130	-0.094	68	0			0.00- 2.00	0.00
5.036	5.130	-0.094	69	82600			0.00- 0.00	72.34
5.036	5.130	-0.094	70	0			0.00- 2.00	0.00
5.036	5.130	-0.094	127	50434			40.00- 60.00	44.17
5.036	5.130	-0.094	197	0			0.00- 1.00	0.00
5.036	5.130	-0.094	199	8309			5.00- 9.00	7.28
5.036	5.130	-0.094	275	23510			10.00- 30.00	20.59
5.036	5.130	-0.094	365	3292			1.00- 0.00	2.88
5.036	5.130	-0.094	441	10456			0.01- 100.00	77.30
5.036	5.130	-0.094	442	67291			40.00- 110.00	58.94
5.036	5.130	-0.094	443	13526			17.00- 23.00	20.10

Data File: u76730.d

Date: 24-MAY-2012 11:52

Client ID: Instrument: BNAMS4.i

Sample Info: DFTPP-1427854 Operator: BNA2



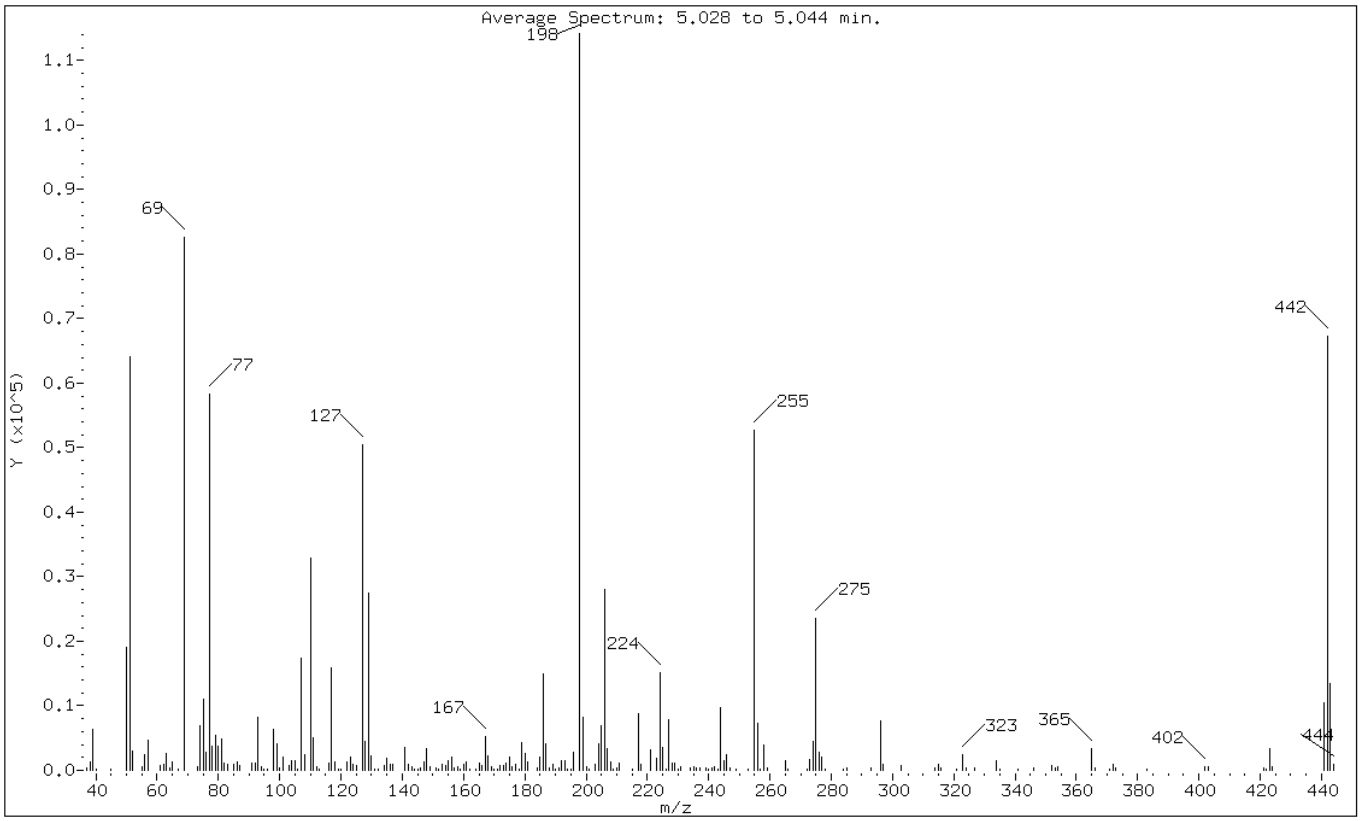
Data File: u76730.d

Date: 24-MAY-2012 11:52

Client ID: Instrument: BNAMS4.i

Sample Info: DFTPP-1427854 Operator: BNA2

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	56.06
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	72.34
70	Less than 2.00% of mass 69	0.00 (0.00)
127	40.00 - 60.00% of mass 198	44.17
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	7.28
275	10.00 - 30.00% of mass 198	20.59
365	Greater than 1.00% of mass 198	2.88
441	0.01 - 100.00% of mass 443	9.16 (77.30)
442	40.00 - 110.00% of mass 198	58.94
443	17.00 - 23.00% of mass 442	11.85 (20.10)

Data File: u76730.d

Date: 24-MAY-2012 11:52

Client ID: Instrument: BNAMS4.i

Sample Info: DFTPP-1427854 Operator: BNA2

Data File: /chem/BNAMS4.i/8270T/05-24-12/24may12a.b/u76730.d
Spectrum: Average Spectrum: 5.028 to 5.044 min.
Location of Maximum: 198.00
Number of points: 214

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	381	118.00	1307	180.00	2676	249.00	242
38.00	1297	119.00	103	181.00	1287	253.00	143
39.00	6296	120.00	106	184.00	371	255.00	52616
40.00	141	122.00	1398	185.00	2148	256.00	7326
45.00	105	123.00	2012	186.00	14980	257.00	201
50.00	18968	124.00	957	187.00	4106	258.00	3846
51.00	64008	125.00	778	188.00	420	259.00	407
52.00	2973	127.00	50432	189.00	1012	265.00	1460
55.00	519	128.00	4492	190.00	120	266.00	118
56.00	2373	129.00	27536	191.00	378	272.00	168
57.00	4626	130.00	2228	192.00	1565	273.00	1629
61.00	828	131.00	226	193.00	1554	274.00	4457
62.00	972	132.00	102	194.00	204	275.00	23504
63.00	2568	134.00	678	195.00	122	276.00	2878
64.00	319	135.00	1852	196.00	2796	277.00	2063
65.00	1252	136.00	921	198.00	114176	278.00	144
67.00	142	137.00	870	199.00	8309	284.00	107
69.00	82600	141.00	3524	200.00	553	285.00	342
73.00	485	142.00	988	201.00	251	293.00	368
74.00	6987	143.00	495	203.00	1025	296.00	7573
75.00	10990	144.00	157	204.00	4158	297.00	859
76.00	2717	145.00	105	205.00	6970	303.00	732
77.00	58376	146.00	441	206.00	28120	314.00	389
78.00	3774	147.00	1380	207.00	3300	315.00	969
79.00	5409	148.00	3322	208.00	1235	316.00	353
80.00	3649	149.00	522	209.00	251	321.00	149
81.00	4889	151.00	424	210.00	391	323.00	2413
82.00	1170	152.00	169	211.00	1095	324.00	371
83.00	941	153.00	994	215.00	172	327.00	359
85.00	866	154.00	684	217.00	8849	334.00	1506
86.00	1292	155.00	1481	218.00	857	335.00	116
87.00	722	156.00	2120	221.00	3175	341.00	128
91.00	1028	157.00	394	223.00	1924	346.00	329
92.00	1192	158.00	580	224.00	15133	352.00	688
93.00	8153	159.00	268	225.00	3474	353.00	372
94.00	501	160.00	973	226.00	124	354.00	492
95.00	138	161.00	1249	227.00	7778	365.00	3292
96.00	191	162.00	159	228.00	1139	366.00	319
98.00	6428	164.00	110	229.00	1210	371.00	114
99.00	4198	165.00	1060	230.00	132	372.00	1007

100.00	317	166.00	796	231.00	607	373.00	290
101.00	1965	167.00	5309	234.00	330	383.00	173
103.00	767	168.00	2295	235.00	517	402.00	504
104.00	1584	169.00	501	236.00	318	403.00	502
105.00	1493	170.00	170	237.00	365	421.00	355
106.00	208	171.00	160	239.00	281	422.00	251
107.00	17320	172.00	703	240.00	147	423.00	3432
108.00	2363	173.00	662	241.00	369	424.00	531
110.00	32840	174.00	1073	242.00	548	441.00	10456
111.00	5051	175.00	2082	243.00	129	442.00	67288
112.00	598	176.00	589	244.00	9786	443.00	13526
113.00	153	177.00	911	245.00	1557	444.00	1007
116.00	1112	178.00	233	246.00	2437		
117.00	15859	179.00	4296	247.00	314		

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-40258-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-112983/1-A

Matrix: Solid | Lab File ID: p30180.d

Analysis Method: 8270C | Date Collected:

Extract. Method: 3541 | Date Extracted: 05/17/2012 11:25

Sample wt/vol: 15.00(g) | Date Analyzed: 05/18/2012 05:00

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.: 113076 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-94-3	1,2,4,5-Tetrachlorobenzene	45	U	330	45
108-60-1	2,2'-oxybis[1-chloropropane]	37	U	330	37
58-90-2	2,3,4,6-Tetrachlorophenol	43	U	330	43
86-30-6	N-Nitrosodiphenylamine	33	U	330	33
77-47-4	Hexachlorocyclopentadiene	39	U	330	39
105-67-9	2,4-Dimethylphenol	82	U	330	82
606-20-2	2,6-Dinitrotoluene	10	U	67	10
62-53-3	Aniline	95	U	330	95
121-14-2	2,4-Dinitrotoluene	11	U	67	11
117-81-7	Bis(2-ethylhexyl) phthalate	110	U	330	110
65-85-0	Benzoic acid	330	U	330	330
91-58-7	2-Chloronaphthalene	37	U	330	37
85-68-7	Butyl benzyl phthalate	30	U	330	30
95-57-8	2-Chlorophenol	44	U	330	44
84-74-2	Di-n-butyl phthalate	41	U	330	41
120-83-2	2,4-Dichlorophenol	48	U	330	48
84-66-2	Diethyl phthalate	39	U	330	39
51-28-5	2,4-Dinitrophenol	190	U	1000	190
95-48-7	2-Methylphenol	56	U	330	56
131-11-3	Dimethyl phthalate	39	U	330	39
117-84-0	Di-n-octyl phthalate	21	U	330	21
91-94-1	3,3'-Dichlorobenzidine	120	U	670	120
118-74-1	Hexachlorobenzene	4.5	U	33	4.5
78-59-1	Isophorone	40	U	330	40
91-57-6	2-Methylnaphthalene	43	U	330	43
534-52-1	4,6-Dinitro-2-methylphenol	90	U	1000	90
88-74-4	2-Nitroaniline	140	U	670	140
101-55-3	4-Bromophenyl phenyl ether	33	U	330	33
99-09-2	3-Nitroaniline	120	U	670	120
59-50-7	4-Chloro-3-methylphenol	50	U	330	50
98-95-3	Nitrobenzene	4.7	U	33	4.7
88-75-5	2-Nitrophenol	37	U	330	37
7005-72-3	4-Chlorophenyl phenyl ether	39	U	330	39
106-44-5	4-Methylphenol	65	U	330	65

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-40258-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-112983/1-A

Matrix: Solid | Lab File ID: p30180.d

Analysis Method: 8270C | Date Collected:

Extract. Method: 3541 | Date Extracted: 05/17/2012 11:25

Sample wt/vol: 15.00(g) | Date Analyzed: 05/18/2012 05:00

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.: 113076 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-02-7	4-Nitrophenol	210	U	1000	210
95-95-4	2,4,5-Trichlorophenol	43	U	330	43
100-01-6	4-Nitroaniline	100	U	670	100
88-06-2	2,4,6-Trichlorophenol	39	U	330	39
106-47-8	4-Chloroaniline	88	U	330	88
83-32-9	Acenaphthene	48	U	330	48
208-96-8	Acenaphthylene	39	U	330	39
98-86-2	Acetophenone	51	U	330	51
120-12-7	Anthracene	40	U	330	40
56-55-3	Benzo[a]anthracene	2.3	U	33	2.3
1912-24-9	Atrazine	51	U	330	51
50-32-8	Benzo[a]pyrene	2.3	U	33	2.3
100-52-7	Benzaldehyde	39	U	330	39
205-99-2	Benzo[b]fluoranthene	2.1	U	33	2.1
191-24-2	Benzo[g,h,i]perylene	25	U	330	25
207-08-9	Benzo[k]fluoranthene	2.5	U	33	2.5
218-01-9	Chrysene	39	U	330	39
53-70-3	Dibenz(a,h)anthracene	4.2	U	33	4.2
206-44-0	Fluoranthene	44	U	330	44
86-73-7	Fluorene	42	U	330	42
111-91-1	Bis(2-chloroethoxy)methane	43	U	330	43
193-39-5	Indeno[1,2,3-cd]pyrene	6.2	U	33	6.2
111-44-4	Bis(2-chloroethyl)ether	4.5	U	33	4.5
85-01-8	Phenanthrene	42	U	330	42
129-00-0	Pyrene	28	U	330	28
105-60-2	Caprolactam	76	U	330	76
86-74-8	Carbazole	39	U	330	39
132-64-9	Dibenzofuran	39	U	330	39
92-52-4	Diphenyl	44	U	330	44
87-68-3	Hexachlorobutadiene	8.1	U	67	8.1
67-72-1	Hexachloroethane	3.7	U	33	3.7
91-20-3	Naphthalene	38	U	330	38
621-64-7	N-Nitrosodi-n-propylamine	5.5	U	33	5.5
87-86-5	Pentachlorophenol	99	U	1000	99

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 460-112983/1-A

Matrix: Solid Lab File ID: p30180.d

Analysis Method: 8270C Date Collected:

Extract. Method: 3541 Date Extracted: 05/17/2012 11:25

Sample wt/vol: 15.00(g) Date Analyzed: 05/18/2012 05:00

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.: 113076 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-95-2	Phenol	44	U	330	44
15831-10-4	3 & 4 Methylphenol	56	U	330	56

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	79		38-105
4165-62-2	Phenol-d5	72		41-118
1718-51-0	Terphenyl-d14	88		16-151
367-12-4	2-Fluorophenol	72		37-125
118-79-6	2,4,6-Tribromophenol	65		10-120
321-60-8	2-Fluorobiphenyl	81		40-109

Data File: /chem/BNAMS10.i/8270/05-16-12/18may12.b/p30180.d
Report Date: 18-May-2012 10:00

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS10.i/8270/05-16-12/18may12.b/p30180.d
Lab Smp Id: MB 460-112983/1-A
Inj Date : 18-MAY-2012 05:00
Operator : BNAMS 4 Inst ID: BNAMS10.i
Smp Info : MB 460-112983/1-A
Misc Info :
Comment :
Method : /chem/BNAMS10.i/8270/05-16-12/18may12.b/8270C_11.m
Meth Date : 18-May-2012 03:54 asfawa Quant Type: ISTD
Cal Date : 16-MAY-2012 15:59 Cal File: p30119.d
Als bottle: 5 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * Uf*1000*Vt/(Ws*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

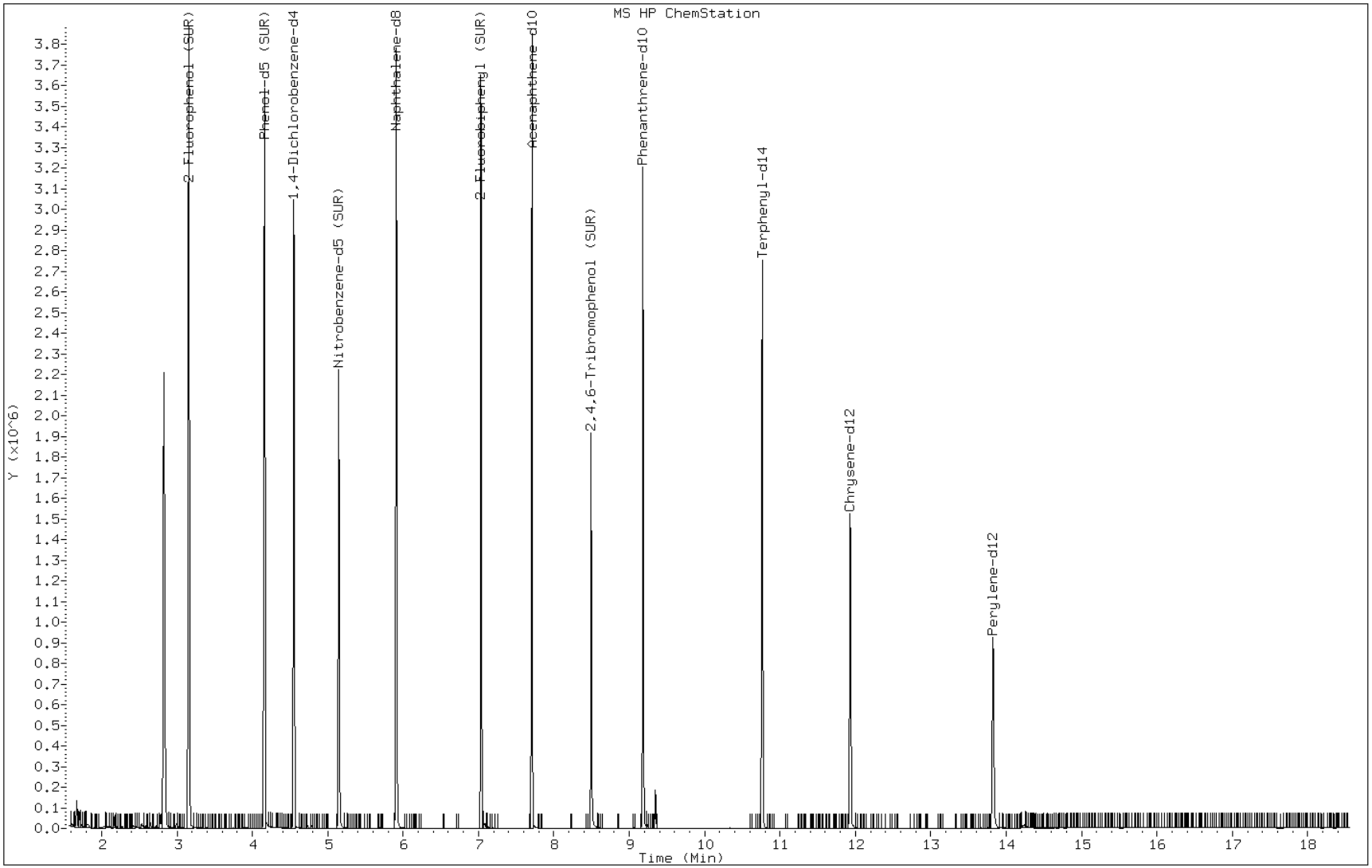
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)
$ 16 2-Fluorophenol (SUR)	112	3.155	3.143	(0.694)	1179837	72.2085	4800
$ 17 Phenol-d5 (SUR)	99	4.159	4.177	(0.915)	1405315	72.1918	4800
* 79 1,4-Dichlorobenzene-d4	152	4.547	4.559	(1.000)	477084	40.0000	
$ 76 Nitrobenzene-d5 (SUR)	82	5.147	5.164	(0.871)	707174	39.7460	2600
* 80 Naphthalene-d8	136	5.910	5.922	(1.000)	1608589	40.0000	
$ 77 2-Fluorobiphenyl (SUR)	172	7.033	7.044	(0.912)	1187426	40.2539	2700
* 82 Acenaphthene-d10	164	7.708	7.714	(1.000)	862709	40.0000	
$ 18 2,4,6-Tribromophenol (SUR)	330	8.496	8.502	(1.102)	208360	64.6865	4300
* 83 Phenanthrene-d10	188	9.183	9.189	(1.000)	1138874	40.0000	
$ 78 Terphenyl-d14	244	10.764	10.764	(0.902)	820439	43.8877	2900
* 81 Chrysene-d12	240	11.927	11.939	(1.000)	650258	40.0000	
* 84 Perylene-d12	264	13.825	13.831	(1.000)	494327	40.0000	

Data File: p30180.d

Date: 18-MAY-2012 05:00

Client ID: Instrument: BNAMS10.i

Sample Info: MB 460-112983/1-A Operator: BNAMS 4



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-40258-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-113111/1-A

Matrix: Solid | Lab File ID: u76597.d

Analysis Method: 8270C | Date Collected:

Extract. Method: 3541 | Date Extracted: 05/18/2012 09:13

Sample wt/vol: 15.00(g) | Date Analyzed: 05/21/2012 11:40

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.: 113358 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-94-3	1,2,4,5-Tetrachlorobenzene	45	U	330	45
108-60-1	2,2'-oxybis[1-chloropropane]	37	U	330	37
58-90-2	2,3,4,6-Tetrachlorophenol	43	U	330	43
86-30-6	N-Nitrosodiphenylamine	33	U	330	33
77-47-4	Hexachlorocyclopentadiene	39	U	330	39
105-67-9	2,4-Dimethylphenol	82	U	330	82
606-20-2	2,6-Dinitrotoluene	10	U	67	10
62-53-3	Aniline	95	U	330	95
121-14-2	2,4-Dinitrotoluene	11	U	67	11
117-81-7	Bis(2-ethylhexyl) phthalate	110	U	330	110
65-85-0	Benzoic acid	330	U	330	330
91-58-7	2-Chloronaphthalene	37	U	330	37
85-68-7	Butyl benzyl phthalate	30	U	330	30
95-57-8	2-Chlorophenol	44	U	330	44
84-74-2	Di-n-butyl phthalate	41	U	330	41
120-83-2	2,4-Dichlorophenol	48	U	330	48
84-66-2	Diethyl phthalate	39	U	330	39
51-28-5	2,4-Dinitrophenol	190	U	1000	190
95-48-7	2-Methylphenol	56	U	330	56
131-11-3	Dimethyl phthalate	39	U	330	39
117-84-0	Di-n-octyl phthalate	21	U	330	21
91-94-1	3,3'-Dichlorobenzidine	120	U	670	120
118-74-1	Hexachlorobenzene	4.5	U	33	4.5
78-59-1	Isophorone	40	U	330	40
91-57-6	2-Methylnaphthalene	43	U	330	43
534-52-1	4,6-Dinitro-2-methylphenol	90	U	1000	90
88-74-4	2-Nitroaniline	140	U	670	140
101-55-3	4-Bromophenyl phenyl ether	33	U	330	33
99-09-2	3-Nitroaniline	120	U	670	120
59-50-7	4-Chloro-3-methylphenol	50	U	330	50
98-95-3	Nitrobenzene	4.7	U	33	4.7
88-75-5	2-Nitrophenol	37	U	330	37
7005-72-3	4-Chlorophenyl phenyl ether	39	U	330	39
106-44-5	4-Methylphenol	65	U	330	65

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-40258-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-113111/1-A

Matrix: Solid | Lab File ID: u76597.d

Analysis Method: 8270C | Date Collected:

Extract. Method: 3541 | Date Extracted: 05/18/2012 09:13

Sample wt/vol: 15.00(g) | Date Analyzed: 05/21/2012 11:40

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.: 113358 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-02-7	4-Nitrophenol	210	U	1000	210
95-95-4	2,4,5-Trichlorophenol	43	U	330	43
100-01-6	4-Nitroaniline	100	U	670	100
88-06-2	2,4,6-Trichlorophenol	39	U	330	39
106-47-8	4-Chloroaniline	88	U	330	88
83-32-9	Acenaphthene	48	U	330	48
208-96-8	Acenaphthylene	39	U	330	39
98-86-2	Acetophenone	51	U	330	51
120-12-7	Anthracene	40	U	330	40
56-55-3	Benzo[a]anthracene	2.3	U	33	2.3
1912-24-9	Atrazine	51	U	330	51
50-32-8	Benzo[a]pyrene	2.3	U	33	2.3
100-52-7	Benzaldehyde	39	U	330	39
205-99-2	Benzo[b]fluoranthene	2.1	U	33	2.1
191-24-2	Benzo[g,h,i]perylene	25	U	330	25
207-08-9	Benzo[k]fluoranthene	2.5	U	33	2.5
218-01-9	Chrysene	39	U	330	39
53-70-3	Dibenz(a,h)anthracene	4.2	U	33	4.2
206-44-0	Fluoranthene	44	U	330	44
86-73-7	Fluorene	42	U	330	42
111-91-1	Bis(2-chloroethoxy)methane	43	U	330	43
193-39-5	Indeno[1,2,3-cd]pyrene	6.2	U	33	6.2
111-44-4	Bis(2-chloroethyl)ether	4.5	U	33	4.5
85-01-8	Phenanthrene	42	U	330	42
129-00-0	Pyrene	28	U	330	28
105-60-2	Caprolactam	76	U	330	76
86-74-8	Carbazole	39	U	330	39
132-64-9	Dibenzofuran	39	U	330	39
92-52-4	Diphenyl	44	U	330	44
87-68-3	Hexachlorobutadiene	8.1	U	67	8.1
67-72-1	Hexachloroethane	3.7	U	33	3.7
91-20-3	Naphthalene	38	U	330	38
621-64-7	N-Nitrosodi-n-propylamine	5.5	U	33	5.5
87-86-5	Pentachlorophenol	99	U	1000	99

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-40258-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-113111/1-A

Matrix: Solid | Lab File ID: u76597.d

Analysis Method: 8270C | Date Collected:

Extract. Method: 3541 | Date Extracted: 05/18/2012 09:13

Sample wt/vol: 15.00(g) | Date Analyzed: 05/21/2012 11:40

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.: 113358 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-95-2	Phenol	44	U	330	44
15831-10-4	3 & 4 Methylphenol	56	U	330	56

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	77		38-105
4165-62-2	Phenol-d5	91		41-118
1718-51-0	Terphenyl-d14	79		16-151
367-12-4	2-Fluorophenol	90		37-125
118-79-6	2,4,6-Tribromophenol	89		10-120
321-60-8	2-Fluorobiphenyl	84		40-109

Data File: /chem/BNAMS4.i/8270T/05-18-12/21may12a.b/u76597.d
Report Date: 22-May-2012 00:18

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS4.i/8270T/05-18-12/21may12a.b/u76597.d
Lab Smp Id: MB 460-113111/1-A
Inj Date : 21-MAY-2012 11:40
Operator : BNAMS 4 Inst ID: BNAMS4.i
Smp Info : MB 460-113111/1-A
Misc Info :
Comment :
Method : /chem/BNAMS4.i/8270T/05-18-12/21may12a.b/8270C_11.m
Meth Date : 21-May-2012 10:00 czhao Quant Type: ISTD
Cal Date : 18-MAY-2012 14:04 Cal File: u76543.d
Als bottle: 6 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * Uf*1000*Vt/(Ws*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)
$ 16 2-Fluorophenol (SUR)	112	3.079	3.069	(0.704)	212517	89.9590	6000
$ 17 Phenol-d5 (SUR)	99	4.000	4.014	(0.914)	297396	90.7592	6000
* 79 1,4-Dichlorobenzene-d4	152	4.374	4.378	(1.000)	64221	40.0000	
$ 76 Nitrobenzene-d5 (SUR)	82	4.930	4.946	(0.870)	164211	38.5257	2600
* 80 Naphthalene-d8	136	5.668	5.672	(1.000)	228563	40.0000	
$ 77 2-Fluorobiphenyl (SUR)	172	6.763	6.766	(0.910)	219883	42.1153	2800
* 82 Acenaphthene-d10	164	7.434	7.445	(1.000)	163792	40.0000	
$ 18 2,4,6-Tribromophenol (SUR)	330	8.213	8.225	(1.105)	94435	88.8543	5900
* 83 Phenanthrene-d10	188	8.908	8.919	(1.000)	309796	40.0000	
$ 78 Terphenyl-d14	244	10.494	10.492	(0.897)	285819	39.4365	2600
* 81 Chrysene-d12	240	11.696	11.711	(1.000)	315092	40.0000	
* 84 Perylene-d12	264	13.637	13.640	(1.000)	285057	40.0000	

Data File: u76597.d

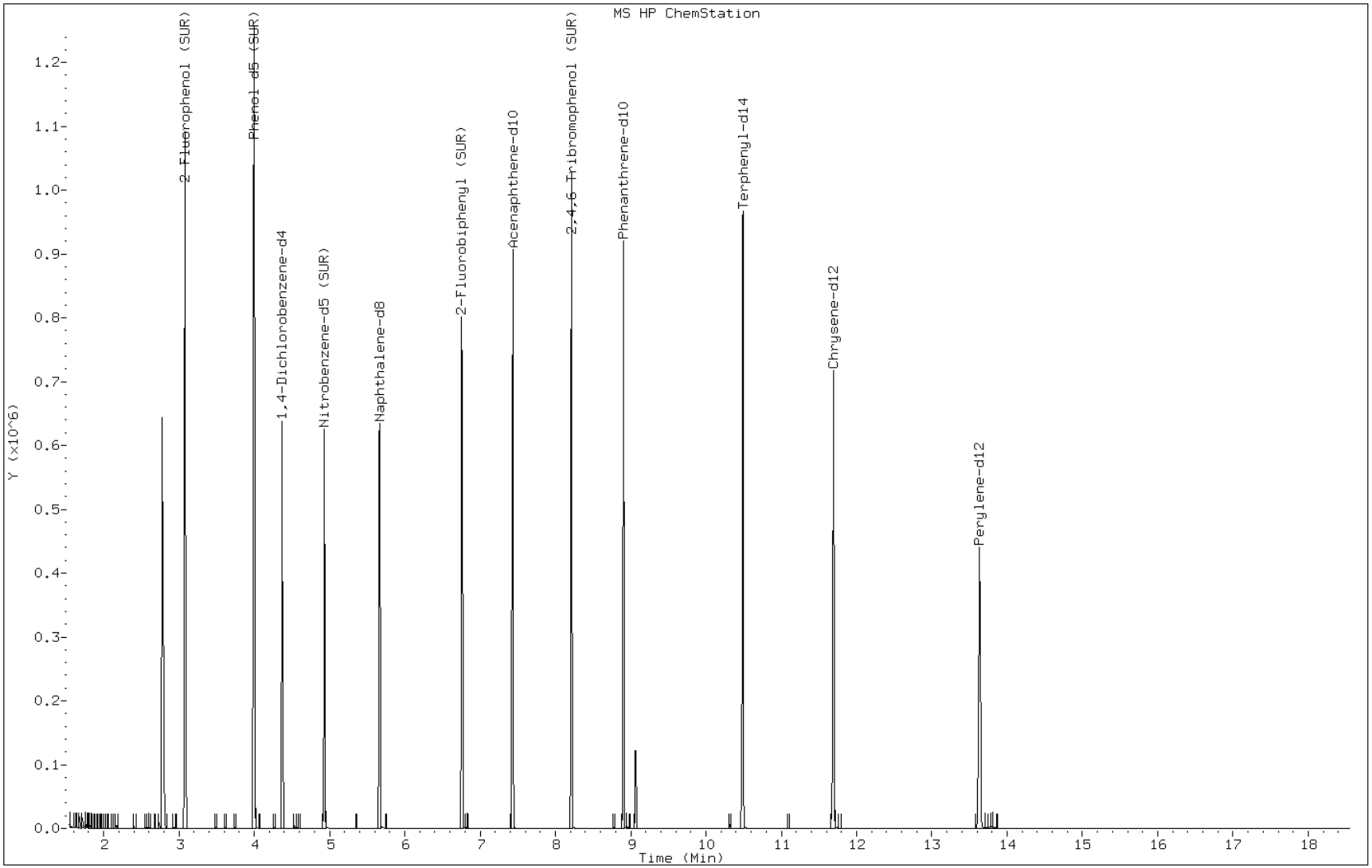
Date: 21-MAY-2012 11:40

Client ID:

Instrument: BNAMS4.i

Sample Info: MB 460-113111/1-A

Operator: BNAMS 4



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-40258-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 460-112983/2-A

Matrix: Solid | Lab File ID: p30179.d

Analysis Method: 8270C | Date Collected:

Extract. Method: 3541 | Date Extracted: 05/17/2012 11:25

Sample wt/vol: 15.02(g) | Date Analyzed: 05/18/2012 04:33

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.: 113076 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-94-3	1,2,4,5-Tetrachlorobenzene	2650		330	44
108-60-1	2,2'-oxybis[1-chloropropane]	2760		330	37
58-90-2	2,3,4,6-Tetrachlorophenol	3040		330	43
86-30-6	N-Nitrosodiphenylamine	2980		330	33
77-47-4	Hexachlorocyclopentadiene	2560		330	39
105-67-9	2,4-Dimethylphenol	5130		330	81
606-20-2	2,6-Dinitrotoluene	3060		67	10
62-53-3	Aniline	1710		330	95
121-14-2	2,4-Dinitrotoluene	3280		67	11
117-81-7	Bis(2-ethylhexyl) phthalate	2980		330	110
65-85-0	Benzoic acid	3470		330	330
91-58-7	2-Chloronaphthalene	2780		330	37
85-68-7	Butyl benzyl phthalate	2960		330	30
95-57-8	2-Chlorophenol	4880		330	43
84-74-2	Di-n-butyl phthalate	3160		330	41
120-83-2	2,4-Dichlorophenol	5010		330	48
84-66-2	Diethyl phthalate	3160		330	39
51-28-5	2,4-Dinitrophenol	2120		1000	190
95-48-7	2-Methylphenol	4880		330	56
131-11-3	Dimethyl phthalate	3030		330	39
117-84-0	Di-n-octyl phthalate	2550		330	21
91-94-1	3,3'-Dichlorobenzidine	2520		670	120
118-74-1	Hexachlorobenzene	2850		33	4.5
78-59-1	Isophorone	2590		330	40
91-57-6	2-Methylnaphthalene	2730		330	42
534-52-1	4,6-Dinitro-2-methylphenol	3480		1000	90
88-74-4	2-Nitroaniline	3070		670	140
101-55-3	4-Bromophenyl phenyl ether	2790		330	33
99-09-2	3-Nitroaniline	2410		670	120
59-50-7	4-Chloro-3-methylphenol	5470		330	50
98-95-3	Nitrobenzene	2610		33	4.7
88-75-5	2-Nitrophenol	5300		330	37
7005-72-3	4-Chlorophenyl phenyl ether	3050		330	39
106-44-5	4-Methylphenol	4570		330	65

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-40258-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 460-112983/2-A

Matrix: Solid | Lab File ID: p30179.d

Analysis Method: 8270C | Date Collected:

Extract. Method: 3541 | Date Extracted: 05/17/2012 11:25

Sample wt/vol: 15.02(g) | Date Analyzed: 05/18/2012 04:33

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.: 113076 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-02-7	4-Nitrophenol	6530		1000	210
95-95-4	2,4,5-Trichlorophenol	5640		330	43
100-01-6	4-Nitroaniline	2850		670	100
88-06-2	2,4,6-Trichlorophenol	5350		330	39
106-47-8	4-Chloroaniline	1790		330	87
83-32-9	Acenaphthene	2990		330	48
208-96-8	Acenaphthylene	2870		330	39
98-86-2	Acetophenone	2430		330	51
120-12-7	Anthracene	2940		330	40
56-55-3	Benzo[a]anthracene	2890		33	2.3
1912-24-9	Atrazine	2270		330	51
50-32-8	Benzo[a]pyrene	2740		33	2.3
100-52-7	Benzaldehyde	772		330	39
205-99-2	Benzo[b]fluoranthene	2580		33	2.1
191-24-2	Benzo[g,h,i]perylene	2910		330	24
207-08-9	Benzo[k]fluoranthene	2640		33	2.5
218-01-9	Chrysene	2970		330	39
53-70-3	Dibenz(a,h)anthracene	3010		33	4.2
206-44-0	Fluoranthene	3170		330	44
86-73-7	Fluorene	3030		330	42
111-91-1	Bis(2-chloroethoxy)methane	2750		330	43
193-39-5	Indeno[1,2,3-cd]pyrene	2770		33	6.1
111-44-4	Bis(2-chloroethyl)ether	2430		33	4.5
85-01-8	Phenanthrene	2980		330	42
129-00-0	Pyrene	2910		330	28
105-60-2	Caprolactam	2220		330	76
86-74-8	Carbazole	3130		330	39
132-64-9	Dibenzofuran	2890		330	39
92-52-4	Diphenyl	2930		330	44
87-68-3	Hexachlorobutadiene	2720		67	8.1
67-72-1	Hexachloroethane	2690		33	3.7
91-20-3	Naphthalene	2920		330	38
621-64-7	N-Nitrosodi-n-propylamine	2800		33	5.5
87-86-5	Pentachlorophenol	5490		1000	99

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-40258-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 460-112983/2-A

Matrix: Solid | Lab File ID: p30179.d

Analysis Method: 8270C | Date Collected:

Extract. Method: 3541 | Date Extracted: 05/17/2012 11:25

Sample wt/vol: 15.02(g) | Date Analyzed: 05/18/2012 04:33

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.: 113076 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-95-2	Phenol	4620		330	44
15831-10-4	3 & 4 Methylphenol	4530		330	56

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	77		38-105
4165-62-2	Phenol-d5	70		41-118
1718-51-0	Terphenyl-d14	82		16-151
367-12-4	2-Fluorophenol	68		37-125
118-79-6	2,4,6-Tribromophenol	86		10-120
321-60-8	2-Fluorobiphenyl	80		40-109

Data File: /chem/BNAMS10.i/8270/05-16-12/18may12.b/p30179.d
Report Date: 18-May-2012 10:00

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS10.i/8270/05-16-12/18may12.b/p30179.d
Lab Smp Id: LCS 460-112983/2-A
Inj Date : 18-MAY-2012 04:33
Operator : BNAMS 4 Inst ID: BNAMS10.i
Smp Info : LCS 460-112983/2-A
Misc Info :
Comment :
Method : /chem/BNAMS10.i/8270/05-16-12/18may12.b/8270C_11.m
Meth Date : 18-May-2012 03:54 asfawa Quant Type: ISTD
Cal Date : 16-MAY-2012 15:59 Cal File: p30119.d
Als bottle: 4 QC Sample: BS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * Uf*1000*Vt/(Ws*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)
	106 1,4-Dioxane	88	1.698	1.639	(0.373)	188232	25.2954	1700
	19 N-Nitrosodimethylamine	74	1.933	1.886	(0.424)	433062	38.8177	2600
	71 Pyridine	79	1.962	1.909	(0.431)	642321	33.1670	2200
$	16 2-Fluorophenol (SUR)	112	3.161	3.143	(0.694)	1246009	68.3191	4600
	110 Benzaldehyde	77	4.077	4.077	(0.895)	90965	11.5953	770
$	17 Phenol-d5 (SUR)	99	4.171	4.177	(0.916)	1513272	69.6443	4600
	73 Aniline	93	4.200	4.201	(0.923)	656470	25.6310	1700
	1 Phenol	94	4.189	4.195	(0.920)	1634733	69.4523	4600
	20 bis(2-Chloroethyl)ether	93	4.277	4.277	(0.939)	720902	36.4424	2400
	2 2-Chlorophenol	128	4.330	4.336	(0.951)	1343796	73.3616	4900
	113 n-decane	43	4.394	4.400	(0.965)	535330	34.4954	2300
	21 1,3-Dichlorobenzene	146	4.494	4.494	(0.987)	825026	39.8795	2600
*	79 1,4-Dichlorobenzene-d4	152	4.553	4.559	(1.000)	532525	40.0000	

Data File: /chem/BNAMS10.i/8270/05-16-12/18may12.b/p30179.d
Report Date: 18-May-2012 10:00

							CONCENTRATIONS	
		QUANT SIG					ON-COLUMN	FINAL
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/ml)	(ug/Kg)
	22 1,4-Dichlorobenzene	146	4.571	4.577	(1.004)	832062	40.6445	2700
	74 Benzyl Alcohol	108	4.712	4.718	(1.035)	455020	42.1482	2800
	23 1,2-Dichlorobenzene	146	4.735	4.741	(1.040)	789258	41.0939	2700
	3 2-Methylphenol	108	4.841	4.847	(1.063)	1159603	73.3711	4900
	24 bis (2-chloroisopropyl) ether	45	4.859	4.865	(1.067)	736010	41.4549	2800
	104 Acetophenone	105	4.994	5.006	(1.097)	842536	36.5216	2400
	25 N-Nitroso-di-n-propylamine	70	5.005	5.017	(1.099)	489134	42.0579	2800
	4 4-Methylphenol	108	5.011	5.017	(1.101)	1114395	68.6604	4600
	123 3 & 4 Methylphenol	108	5.011	5.017	(1.101)	1114395	68.0646	4500
	26 Hexachloroethane	117	5.099	5.105	(1.120)	322470	40.3680	2700
$	76 Nitrobenzene-d5 (SUR)	82	5.152	5.164	(0.871)	727532	38.3563	2600
	27 Nitrobenzene	77	5.176	5.188	(0.875)	965334	39.1822	2600
	107 N,N-Dimethylaniline	120	5.182	5.188	(1.138)	959886	38.9545	2600
	28 Isophorone	82	5.446	5.440	(0.921)	1169202	38.8985	2600
	5 2-Nitrophenol	139	5.517	5.523	(0.932)	749974	79.6193	5300
	6 2,4-Dimethylphenol	122	5.581	5.581	(0.943)	1131232	76.9914	5100
	29 bis(2-Chloroethoxy)methane	93	5.675	5.681	(0.959)	751202	41.3539	2800
	15 Benzoic Acid	122	5.740	5.746	(0.970)	451177	52.1308	3500
	7 2,4-Dichlorophenol	162	5.775	5.781	(0.976)	987026	75.2048	5000
	30 1,2,4-Trichlorobenzene	180	5.857	5.863	(0.990)	619213	39.7412	2600
*	80 Naphthalene-d8	136	5.916	5.922	(1.000)	1714853	40.0000	
	31 Naphthalene	128	5.940	5.940	(1.004)	1873435	43.7930	2900
	32 4-Chloroaniline	127	5.998	6.004	(1.014)	466484	26.9221	1800
	33 Hexachlorobutadiene	225	6.081	6.081	(1.028)	344637	40.8076	2700
	111 Caprolactam	113	6.398	6.404	(1.081)	131579	33.3979	2200
	8 4-Chloro-3-methylphenol	107	6.527	6.527	(1.103)	1080842	82.2305	5500
	34 2-Methylnaphthalene	142	6.656	6.663	(1.125)	1176945	40.9949	2700
	120 1-Methylnaphthalene	142	6.756	6.762	(1.142)	1143157	38.9233	2600
	35 Hexachlorocyclopentadiene	237	6.827	6.833	(0.885)	305157	38.5221	2600
	129 1,2,4,5-Tetrachlorobenzene	216	6.833	6.839	(0.886)	521724	39.8723	2600
	9 2,4,6-Trichlorophenol	196	6.956	6.956	(0.902)	677761	80.3438	5400
	10 2,4,5-Trichlorophenol	196	6.991	6.997	(0.906)	697938	84.7160	5600
$	77 2-Fluorobiphenyl (SUR)	172	7.038	7.044	(0.912)	1199594	39.9844	2700
	102 Diphenyl	154	7.138	7.138	(0.925)	1425771	43.9349	2900
	36 2-Chloronaphthalene	162	7.156	7.156	(0.928)	1053153	41.8113	2800
	103 Diphenyl Ether	170	7.244	7.250	(0.939)	782252	42.3814	2800
	37 2-Nitroaniline	65	7.262	7.268	(0.941)	374359	46.0534	3100
	38 Dimethylphthalate	163	7.456	7.456	(0.966)	1112538	45.5222	3000
	40 2,6-Dinitrotoluene	165	7.508	7.514	(0.973)	272036	46.0195	3100
	39 Acenaphthylene	152	7.567	7.573	(0.981)	1623977	43.1213	2900
	41 3-Nitroaniline	138	7.673	7.679	(0.995)	213529	36.1929	2400
*	82 Acenaphthene-d10	164	7.714	7.714	(1.000)	877425	40.0000	
	42 Acenaphthene	154	7.743	7.750	(1.004)	1018005	44.8867	3000
	11 2,4-Dinitrophenol	184	7.779	7.785	(1.008)	104176	31.8807	2100
	12 4-Nitrophenol	65	7.855	7.855	(1.018)	385114	98.0316	6500
	44 2,4-Dinitrotoluene	165	7.908	7.914	(1.025)	344599	49.2912	3300
	43 Dibenzofuran	168	7.920	7.920	(1.027)	1377606	43.4065	2900

Data File: /chem/BNAMS10.i/8270/05-16-12/18may12.b/p30179.d
Report Date: 18-May-2012 10:00

			QUANT SIG					CONCENTRATIONS ON-COLUMN	CONCENTRATIONS FINAL
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/ml)	(ug/Kg)
	130	2,3,4,6-Tetrachlorophenol	232	8.049	8.049	(1.043)	244355	45.7213	3000
	45	Diethylphthalate	149	8.161	8.161	(1.058)	1106355	47.4694	3200
	47	Fluorene	166	8.261	8.261	(1.071)	1136458	45.5163	3000
	46	4-Chlorophenyl-phenylether	204	8.261	8.267	(1.071)	547148	45.8824	3000
	48	4-Nitroaniline	138	8.284	8.290	(1.074)	232635	42.8063	2800
	13	4,6-Dinitro-2-methylphenol	198	8.319	8.319	(0.906)	215644	52.3375	3500
	49	N-Nitrosodiphenylamine	169	8.378	8.384	(0.912)	805027	44.7487	3000
	75	1,2-Diphenylhydrazine	77	8.419	8.419	(0.917)	1084265	36.1016	2400
$	18	2,4,6-Tribromophenol (SUR)	330	8.501	8.502	(1.102)	281778	86.0124	5700
	50	4-Bromophenyl-phenylether	248	8.742	8.748	(0.952)	295398	41.9729	2800
	51	Hexachlorobenzene	284	8.813	8.813	(0.960)	319911	42.8812	2800
	112	Atrazine	200	8.913	8.919	(0.971)	210771	34.1199	2300
	14	Pentachlorophenol	266	9.007	9.007	(0.981)	359104	82.3925	5500
	115	n-Octadecane	57	9.095	9.095	(0.990)	698839	45.5714	3000
*	83	Phenanthrene-d10	188	9.183	9.189	(1.000)	1176156	40.0000	
	52	Phenanthrene	178	9.212	9.213	(1.003)	1418456	44.7055	3000
	53	Anthracene	178	9.259	9.260	(1.008)	1412611	44.1627	2900
	54	Carbazole	167	9.418	9.424	(1.026)	1204866	47.0720	3100
	55	Di-n-butylphthalate	149	9.771	9.771	(1.064)	1509297	47.3963	3200
	56	Fluoranthene	202	10.382	10.382	(1.131)	1267805	47.6308	3200
	58	Benzidine	184	10.517	10.517	(1.145)	13122	2.73523	180(aR)
	57	Pyrene	202	10.605	10.605	(0.889)	1258256	43.7538	2900
$	78	Terphenyl-d14	244	10.764	10.764	(0.902)	793479	41.0945	2700
	59	Butylbenzylphthalate	149	11.286	11.287	(0.946)	541084	44.5075	3000
	60	3,3'-Dichlorobenzidine	252	11.898	11.898	(0.997)	218303	37.7902	2500
	61	Benzo(a)anthracene	228	11.921	11.921	(0.999)	868649	43.3458	2900
*	81	Chrysene-d12	240	11.933	11.939	(1.000)	671636	40.0000	
	62	Chrysene	228	11.968	11.968	(1.003)	809718	44.5975	3000
	63	bis(2-Ethylhexyl)phthalate	149	11.974	11.974	(1.003)	697915	44.8199	3000
	64	Di-n-octylphthalate	149	12.820	12.820	(0.927)	1028052	38.2886	2600
	65	Benzo(b)fluoranthene	252	13.314	13.314	(0.963)	728025	38.7592	2600
	66	Benzo(k)fluoranthene	252	13.349	13.349	(0.965)	756057	39.6618	2600
	67	Benzo(a)pyrene	252	13.748	13.754	(0.994)	620427	41.2005	2700
*	84	Perylene-d12	264	13.831	13.831	(1.000)	573109	40.0000	
	68	Indeno(1,2,3-cd)pyrene	276	15.311	15.317	(1.107)	597635	41.6591	2800
	69	Dibenz(a,h)anthracene	278	15.352	15.352	(1.110)	608358	45.1976	3000
	70	Benzo(g,h,i)perylene	276	15.723	15.717	(1.137)	612733	43.7789	2900

QC Flag Legend

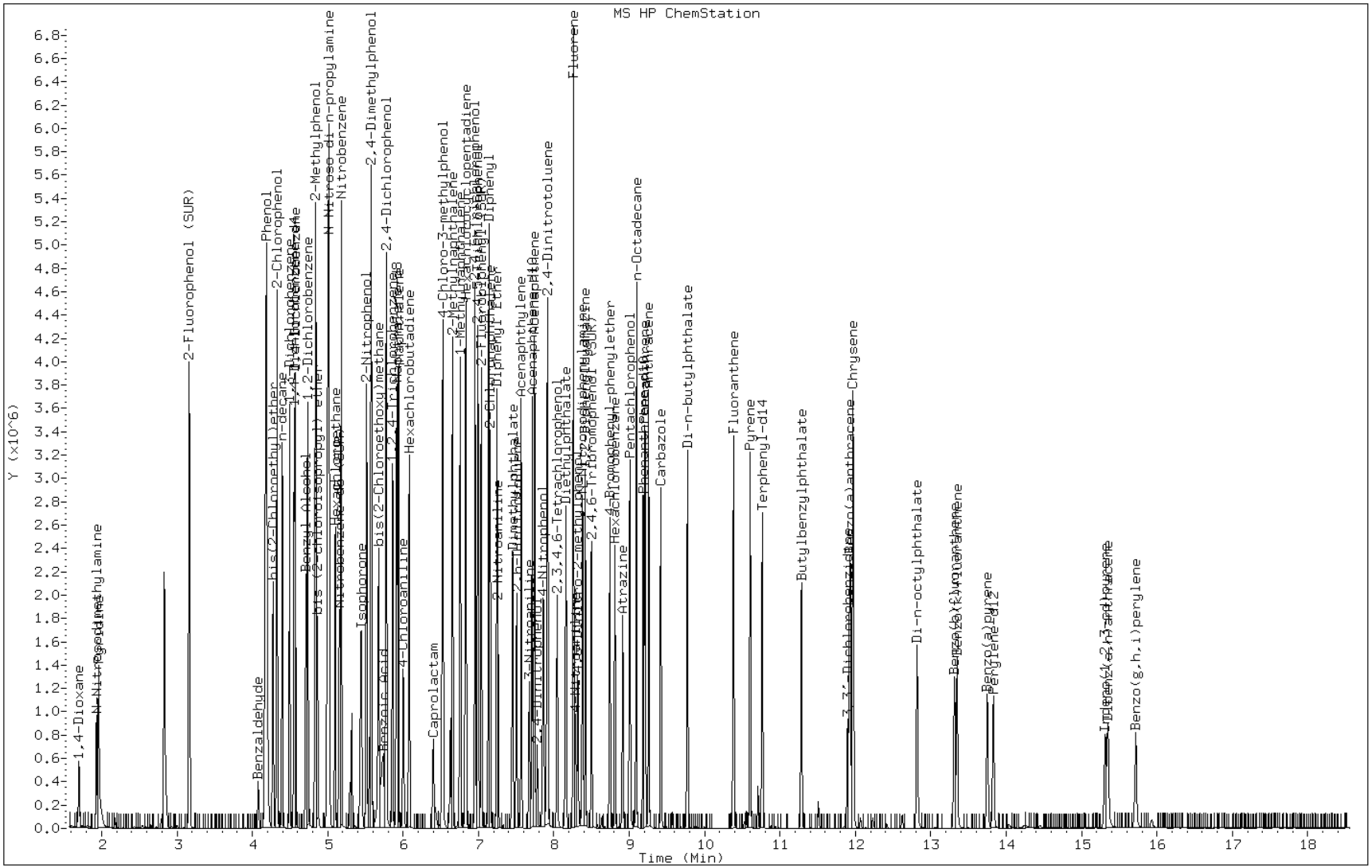
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: p30179.d

Date: 18-MAY-2012 04:33

Client ID: Instrument: BNAMS10.i

Sample Info: LCS 460-112983/2-A Operator: BNAMS 4



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-40258-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 460-113111/2-A

Matrix: Solid | Lab File ID: u76596.d

Analysis Method: 8270C | Date Collected:

Extract. Method: 3541 | Date Extracted: 05/18/2012 09:13

Sample wt/vol: 15.00(g) | Date Analyzed: 05/21/2012 11:17

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.: 113358 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-94-3	1,2,4,5-Tetrachlorobenzene	2540		330	45
108-60-1	2,2'-oxybis[1-chloropropane]	3010		330	37
58-90-2	2,3,4,6-Tetrachlorophenol	3190		330	43
86-30-6	N-Nitrosodiphenylamine	2700		330	33
77-47-4	Hexachlorocyclopentadiene	2400		330	39
105-67-9	2,4-Dimethylphenol	6740		330	82
606-20-2	2,6-Dinitrotoluene	3370		67	10
62-53-3	Aniline	2380		330	95
121-14-2	2,4-Dinitrotoluene	3480		67	11
117-81-7	Bis(2-ethylhexyl) phthalate	3140		330	110
65-85-0	Benzoic acid	3040		330	330
91-58-7	2-Chloronaphthalene	2990		330	37
85-68-7	Butyl benzyl phthalate	3020		330	30
95-57-8	2-Chlorophenol	7000		330	44
84-74-2	Di-n-butyl phthalate	3080		330	41
120-83-2	2,4-Dichlorophenol	6690		330	48
84-66-2	Diethyl phthalate	3380		330	39
51-28-5	2,4-Dinitrophenol	1610		1000	190
95-48-7	2-Methylphenol	7250		330	56
131-11-3	Dimethyl phthalate	3110		330	39
117-84-0	Di-n-octyl phthalate	2960		330	21
91-94-1	3,3'-Dichlorobenzidine	1800		670	120
118-74-1	Hexachlorobenzene	2880		33	4.5
78-59-1	Isophorone	2570		330	40
91-57-6	2-Methylnaphthalene	3020		330	43
534-52-1	4,6-Dinitro-2-methylphenol	2400		1000	90
88-74-4	2-Nitroaniline	3390		670	140
101-55-3	4-Bromophenyl phenyl ether	3030		330	33
99-09-2	3-Nitroaniline	1950		670	120
59-50-7	4-Chloro-3-methylphenol	6900		330	50
98-95-3	Nitrobenzene	2750		33	4.7
88-75-5	2-Nitrophenol	6140		330	37
7005-72-3	4-Chlorophenyl phenyl ether	3260		330	39
106-44-5	4-Methylphenol	5970		330	65

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-40258-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 460-113111/2-A

Matrix: Solid | Lab File ID: u76596.d

Analysis Method: 8270C | Date Collected:

Extract. Method: 3541 | Date Extracted: 05/18/2012 09:13

Sample wt/vol: 15.00(g) | Date Analyzed: 05/21/2012 11:17

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.: 113358 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-02-7	4-Nitrophenol	6530		1000	210
95-95-4	2,4,5-Trichlorophenol	6620		330	43
100-01-6	4-Nitroaniline	2600		670	100
88-06-2	2,4,6-Trichlorophenol	6150		330	39
106-47-8	4-Chloroaniline	1500		330	88
83-32-9	Acenaphthene	2850		330	48
208-96-8	Acenaphthylene	3010		330	39
98-86-2	Acetophenone	2720		330	51
120-12-7	Anthracene	3040		330	40
56-55-3	Benzo[a]anthracene	2800		33	2.3
1912-24-9	Atrazine	2210		330	51
50-32-8	Benzo[a]pyrene	2710		33	2.3
100-52-7	Benzaldehyde	1010		330	39
205-99-2	Benzo[b]fluoranthene	2650		33	2.1
191-24-2	Benzo[g,h,i]perylene	2280		330	25
207-08-9	Benzo[k]fluoranthene	2550		33	2.5
218-01-9	Chrysene	2870		330	39
53-70-3	Dibenz(a,h)anthracene	2630		33	4.2
206-44-0	Fluoranthene	3380		330	44
86-73-7	Fluorene	3130		330	42
111-91-1	Bis(2-chloroethoxy)methane	2990		330	43
193-39-5	Indeno[1,2,3-cd]pyrene	2550		33	6.2
111-44-4	Bis(2-chloroethyl)ether	2950		33	4.5
85-01-8	Phenanthrene	3190		330	42
129-00-0	Pyrene	2720		330	28
105-60-2	Caprolactam	2050		330	76
86-74-8	Carbazole	3110		330	39
132-64-9	Dibenzofuran	3170		330	39
92-52-4	Diphenyl	2990		330	44
87-68-3	Hexachlorobutadiene	2540		67	8.1
67-72-1	Hexachloroethane	2720		33	3.7
91-20-3	Naphthalene	2820		330	38
621-64-7	N-Nitrosodi-n-propylamine	3320		33	5.5
87-86-5	Pentachlorophenol	5730		1000	99

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 460-113111/2-A

Matrix: Solid Lab File ID: u76596.d

Analysis Method: 8270C Date Collected:

Extract. Method: 3541 Date Extracted: 05/18/2012 09:13

Sample wt/vol: 15.00(g) Date Analyzed: 05/21/2012 11:17

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.: 113358 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-95-2	Phenol	6890		330	44
15831-10-4	3 & 4 Methylphenol	5970		330	56

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	73		38-105
4165-62-2	Phenol-d5	82		41-118
1718-51-0	Terphenyl-d14	67		16-151
367-12-4	2-Fluorophenol	82		37-125
118-79-6	2,4,6-Tribromophenol	85		10-120
321-60-8	2-Fluorobiphenyl	73		40-109

Data File: /chem/BNAMS4.i/8270T/05-18-12/21may12a.b/u76596.d
Report Date: 22-May-2012 03:32

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS4.i/8270T/05-18-12/21may12a.b/u76596.d
Lab Smp Id: LCS 460-113111/2-A
Inj Date : 21-MAY-2012 11:17
Operator : BNAMS 4 Inst ID: BNAMS4.i
Smp Info : LCS 460-113111/2-A
Misc Info :
Comment :
Method : /chem/BNAMS4.i/8270T/05-18-12/21may12a.b/8270C_11.m
Meth Date : 21-May-2012 10:00 czhao Quant Type: ISTD
Cal Date : 18-MAY-2012 14:04 Cal File: u76543.d
Als bottle: 5 QC Sample: BS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * Uf*1000*Vt/(Ws*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)
106	1,4-Dioxane	88	1.694	1.664	(0.387)	22290	19.2915	1300
19	N-Nitrosodimethylamine	74	1.920	1.897	(0.439)	92032	38.6678	2600
71	Pyridine	79	1.948	1.927	(0.445)	86304	24.4698	1600
$ 16	2-Fluorophenol (SUR)	112	3.082	3.069	(0.704)	254777	81.5746	5400
110	Benzaldehyde	77	3.933	3.933	(0.898)	25789	15.1139	1000
73	Aniline	93	4.052	4.044	(0.925)	173587	35.7475	2400
$ 17	Phenol-d5 (SUR)	99	4.022	4.014	(0.919)	353410	81.5789	5400
1	Phenol	94	4.037	4.029	(0.922)	470677	103.333	6900
20	bis(2-Chloroethyl)ether	93	4.118	4.110	(0.941)	158084	44.2019	2900
2	2-Chlorophenol	128	4.170	4.168	(0.953)	276031	105.068	7000
113	n-decane	43	4.223	4.218	(0.964)	147734	30.7259	2000
21	1,3-Dichlorobenzene	146	4.319	4.320	(0.986)	123723	40.2087	2700
* 79	1,4-Dichlorobenzene-d4	152	4.378	4.378	(1.000)	84905	40.0000	

Data File: /chem/BNAMS4.i/8270T/05-18-12/21may12a.b/u76596.d
Report Date: 22-May-2012 03:32

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)
22	1,4-Dichlorobenzene	146	4.393	4.393	(1.003)	125334	38.3611	2600
74	Benzyl Alcohol	108	4.531	4.525	(1.035)	111845	50.1625	3300
23	1,2-Dichlorobenzene	146	4.546	4.547	(1.038)	124913	41.4282	2800
24	bis (2-chloroisopropyl) ether	45	4.656	4.658	(1.064)	326459	45.0897	3000
3	2-Methylphenol	108	4.634	4.636	(1.058)	330987	108.686	7200
104	Acetophenone	105	4.797	4.799	(1.096)	241100	40.7444	2700
25	N-Nitroso-di-n-propylamine	70	4.834	4.799	(1.104)	187986	49.7791	3300
4	4-Methylphenol	108	4.804	4.799	(1.097)	336461	89.5067	6000
123	3 & 4 Methylphenol	108	4.804	4.799	(1.097)	336461	89.5067	6000
26	Hexachloroethane	117	4.892	4.895	(1.117)	77196	40.8159	2700
$ 76	Nitrobenzene-d5 (SUR)	82	4.942	4.946	(0.871)	211104	36.7158	2400
27	Nitrobenzene	77	4.965	4.968	(0.875)	341447	41.1954	2700
107	N,N-Dimethylaniline	120	4.972	4.968	(1.136)	198497	38.6361	2600
28	Isophorone	82	5.236	5.217	(0.922)	360554	38.5231	2600(H)
5	2-Nitrophenol	139	5.287	5.282	(0.931)	152870	92.1299	6100
6	2,4-Dimethylphenol	122	5.347	5.333	(0.942)	261533	101.137	6700
29	bis(2-Chloroethoxy)methane	93	5.435	5.429	(0.958)	196480	44.8942	3000
7	2,4-Dichlorophenol	162	5.537	5.533	(0.975)	284425	100.394	6700
15	Benzoic Acid	122	5.529	5.488	(0.974)	87067	45.6598	3000
30	1,2,4-Trichlorobenzene	180	5.618	5.614	(0.990)	136613	42.3368	2800
* 80	Naphthalene-d8	136	5.676	5.672	(1.000)	308317	40.0000	
31	Naphthalene	128	5.698	5.695	(1.004)	336358	42.2685	2800
32	4-Chloroaniline	127	5.749	5.753	(1.013)	73316	22.5120	1500
33	Hexachlorobutadiene	225	5.824	5.827	(1.026)	93179	38.0679	2500
111	Caprolactam	113	6.183	6.166	(1.089)	30233	30.7561	2000
8	4-Chloro-3-methylphenol	107	6.265	6.262	(1.104)	404625	103.550	6900
34	2-Methylnaphthalene	142	6.391	6.395	(1.126)	240653	45.2793	3000
120	1-Methylnaphthalene	142	6.494	6.491	(1.144)	225078	40.7162	2700
35	Hexachlorocyclopentadiene	237	6.561	6.563	(0.881)	97344	35.9884	2400
129	1,2,4,5-Tetrachlorobenzene	216	6.568	6.571	(0.882)	167321	38.1382	2500
9	2,4,6-Trichlorophenol	196	6.685	6.685	(0.898)	249270	92.3096	6200
10	2,4,5-Trichlorophenol	196	6.730	6.729	(0.904)	274517	99.2752	6600
$ 77	2-Fluorobiphenyl (SUR)	172	6.767	6.766	(0.909)	270774	36.7323	2400
102	Diphenyl	154	6.870	6.869	(0.923)	355536	44.9245	3000
36	2-Chloronaphthalene	162	6.885	6.884	(0.925)	292005	44.7823	3000
103	Diphenyl Ether	170	6.973	6.972	(0.937)	204395	44.9125	3000
37	2-Nitroaniline	65	6.988	6.994	(0.939)	236029	50.8730	3400
125	1,3-Dimethylnaphthalene	156	6.870	7.106	(0.923)	2403	0.48941	33(a)
38	Dimethylphthalate	163	7.180	7.180	(0.965)	385999	46.6437	3100
40	2,6-Dinitrotoluene	165	7.240	7.240	(0.973)	89452	50.5235	3400
39	Acenaphthylene	152	7.297	7.299	(0.980)	426192	45.1626	3000
41	3-Nitroaniline	138	7.400	7.408	(0.994)	47800	29.1979	1900
* 82	Acenaphthene-d10	164	7.444	7.445	(1.000)	233945	40.0000	
42	Acenaphthene	154	7.474	7.475	(1.004)	266453	42.7885	2800
11	2,4-Dinitrophenol	184	7.496	7.504	(1.007)	34490	24.1641	1600
12	4-Nitrophenol	65	7.593	7.577	(1.020)	328916	97.8752	6500
43	Dibenzofuran	168	7.645	7.650	(1.027)	461442	47.6070	3200

Data File: /chem/BNAMS4.i/8270T/05-18-12/21may12a.b/u76596.d
Report Date: 22-May-2012 03:32

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)
44	2,4-Dinitrotoluene	165	7.637	7.635	(1.026)	143473	52.2393	3500
130	2,3,4,6-Tetrachlorophenol	232	7.771	7.769	(1.044)	97364	47.9101	3200
45	Diethylphthalate	149	7.881	7.879	(1.059)	430116	50.7600	3400
47	Fluorene	166	7.984	7.990	(1.073)	400505	46.9570	3100
46	4-Chlorophenyl-phenylether	204	7.984	7.983	(1.073)	213185	48.9069	3300
48	4-Nitroaniline	138	8.029	8.027	(1.079)	61884	38.9753	2600
13	4,6-Dinitro-2-methylphenol	198	8.052	8.050	(0.903)	72967	36.0467	2400
49	N-Nitrosodiphenylamine	169	8.111	8.108	(0.910)	252050	40.4590	2700
75	1,2-Diphenylhydrazine	77	8.141	8.144	(0.913)	595096	36.3467	2400
$ 18	2,4,6-Tribromophenol (SUR)	330	8.230	8.225	(1.106)	129343	85.2055	5700
50	4-Bromophenyl-phenylether	248	8.466	8.469	(0.950)	107588	45.4309	3000
51	Hexachlorobenzene	284	8.538	8.536	(0.958)	134402	43.2266	2900
112	Atrazine	200	8.642	8.646	(0.969)	88596	33.1991	2200
14	Pentachlorophenol	266	8.731	8.734	(0.979)	191102	85.8895	5700
115	n-Octadecane	57	8.805	8.808	(0.988)	409305	48.0098	3200
* 83	Phenanthrene-d10	188	8.915	8.919	(1.000)	438614	40.0000	
52	Phenanthrene	178	8.938	8.942	(1.003)	574178	47.7863	3200
53	Anthracene	178	8.990	8.994	(1.008)	543608	45.6653	3000
54	Carbazole	167	9.145	9.150	(1.026)	483174	46.6365	3100
55	Di-n-butylphthalate	149	9.484	9.490	(1.064)	713470	46.1601	3100
56	Fluoranthene	202	10.114	10.112	(1.134)	670000	50.7253	3400
58	Benzidine	184	10.238	10.236	(1.148)	6029	2.40004	160(aR)
57	Pyrene	202	10.342	10.339	(0.883)	656973	40.8116	2700
$ 78	Terphenyl-d14	244	10.490	10.492	(0.896)	347529	33.5442	2200
59	Butylbenzylphthalate	149	11.019	11.022	(0.941)	362819	45.2776	3000
60	3,3'-Dichlorobenzidine	252	11.668	11.660	(0.996)	101447	27.0723	1800
61	Benzo(a)anthracene	228	11.691	11.690	(0.998)	536532	41.9491	2800
* 81	Chrysene-d12	240	11.712	11.711	(1.000)	450421	40.0000	
63	bis(2-Ethylhexyl)phthalate	149	11.726	11.725	(1.001)	533128	47.0942	3100
62	Chrysene	228	11.746	11.740	(1.003)	482054	42.9815	2900
64	Di-n-octylphthalate	149	12.592	12.591	(0.923)	714450	44.3494	3000
65	Benzo(b)fluoranthene	252	13.114	13.117	(0.961)	410436	39.7665	2600
66	Benzo(k)fluoranthene	252	13.159	13.153	(0.964)	375510	38.2003	2500
67	Benzo(a)pyrene	252	13.564	13.558	(0.994)	326243	40.6336	2700
* 84	Perylene-d12	264	13.645	13.640	(1.000)	292563	40.0000	
68	Indeno(1,2,3-cd)pyrene	276	15.189	15.176	(1.113)	287654	38.1984	2500
69	Dibenz(a,h)anthracene	278	15.225	15.213	(1.116)	281400	39.4339	2600
70	Benzo(g,h,i)perylene	276	15.630	15.616	(1.145)	258475	34.1761	2300

QC Flag Legend

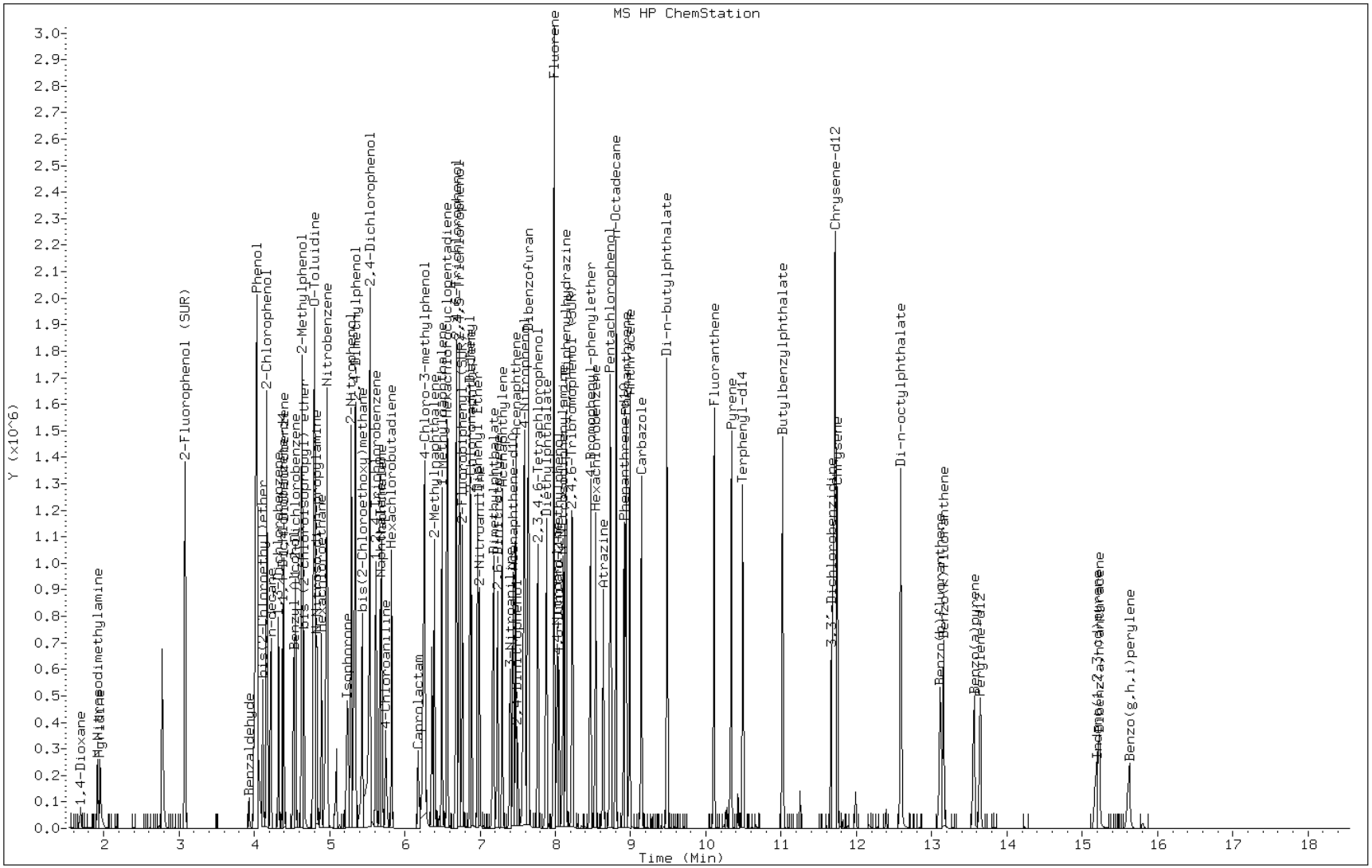
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.
H - Operator selected an alternate compound hit.

Data File: u76596.d

Date: 21-MAY-2012 11:17

Client ID: Instrument: BNAMS4.i

Sample Info: LCS 460-113111/2-A Operator: BNAMS 4



GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Instrument ID: BNAMS10 Start Date: 05/16/2012 13:20

Analysis Batch Number: 112943 End Date: 05/16/2012 15:59

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-112943/1		05/16/2012 13:20	1	p30113.d	Rtx-5MS 0.25(mm)
ICIS 460-112943/2		05/16/2012 13:38	1	p30114.d	Rtx-5MS 0.25(mm)
IC 460-112943/3		05/16/2012 14:12	1	p30115.d	Rtx-5MS 0.25(mm)
IC 460-112943/4		05/16/2012 14:39	1	p30116.d	Rtx-5MS 0.25(mm)
IC 460-112943/5		05/16/2012 15:05	1	p30117.d	Rtx-5MS 0.25(mm)
IC 460-112943/6		05/16/2012 15:32	1	p30118.d	Rtx-5MS 0.25(mm)
IC 460-112943/7		05/16/2012 15:59	1	p30119.d	Rtx-5MS 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Instrument ID: BNAMS10 Start Date: 05/18/2012 03:06

Analysis Batch Number: 113076 End Date: 05/18/2012 14:04

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-113076/1		05/18/2012 03:06	1	p30176.d	Rtx-5MS 0.25(mm)
CCVIS 460-113076/2		05/18/2012 03:27	1	p30177.d	Rtx-5MS 0.25(mm)
ZZZZZ		05/18/2012 04:07	1		Rtx-5MS 0.25(mm)
LCS 460-112983/2-A		05/18/2012 04:33	1	p30179.d	Rtx-5MS 0.25(mm)
MB 460-112983/1-A		05/18/2012 05:00	1	p30180.d	Rtx-5MS 0.25(mm)
ZZZZZ		05/18/2012 05:32	1		Rtx-5MS 0.25(mm)
ZZZZZ		05/18/2012 05:59	1		Rtx-5MS 0.25(mm)
ZZZZZ		05/18/2012 06:26	1		Rtx-5MS 0.25(mm)
ZZZZZ		05/18/2012 06:53	1		Rtx-5MS 0.25(mm)
460-40258-4	DB-2 34.5-35'	05/18/2012 07:19	1	p30185.d	Rtx-5MS 0.25(mm)
460-40258-5	DB-3 20.5-21'	05/18/2012 07:46	1	p30186.d	Rtx-5MS 0.25(mm)
460-40258-6	DB-3 30.5-31'	05/18/2012 08:13	1	p30187.d	Rtx-5MS 0.25(mm)
460-40258-7	DB-5 21-21.5'	05/18/2012 08:40	1	p30188.d	Rtx-5MS 0.25(mm)
460-40258-8	DB-5 35-35.5'	05/18/2012 09:07	1	p30189.d	Rtx-5MS 0.25(mm)
460-40258-9	DB-5 49.5-50'	05/18/2012 09:34	1	p30190.d	Rtx-5MS 0.25(mm)
ZZZZZ		05/18/2012 10:28	20		Rtx-5MS 0.25(mm)
460-40258-10	DB-6 15-15.5'	05/18/2012 10:55	1	p30193.d	Rtx-5MS 0.25(mm)
ZZZZZ		05/18/2012 11:22	1		Rtx-5MS 0.25(mm)
ZZZZZ		05/18/2012 11:49	1		Rtx-5MS 0.25(mm)
ZZZZZ		05/18/2012 12:16	1		Rtx-5MS 0.25(mm)
ZZZZZ		05/18/2012 12:43	1		Rtx-5MS 0.25(mm)
ZZZZZ		05/18/2012 13:10	1		Rtx-5MS 0.25(mm)
ZZZZZ		05/18/2012 13:37	1		Rtx-5MS 0.25(mm)
ZZZZZ		05/18/2012 14:04	1		Rtx-5MS 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Instrument ID: BNAMS10 Start Date: 05/20/2012 17:23

Analysis Batch Number: 113356 End Date: 05/21/2012 04:57

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-113356/1		05/20/2012 17:23	1	p30202.d	Rtx-5MS 0.25(mm)
CCVIS 460-113356/2		05/20/2012 18:26	1	p30204.d	Rtx-5MS 0.25(mm)
460-40258-1	DB-1 23-23.5'	05/20/2012 19:07	1	p30205.d	Rtx-5MS 0.25(mm)
ZZZZZ		05/20/2012 19:34	1		Rtx-5MS 0.25(mm)
ZZZZZ		05/20/2012 20:00	1		Rtx-5MS 0.25(mm)
ZZZZZ		05/20/2012 20:27	1		Rtx-5MS 0.25(mm)
ZZZZZ		05/20/2012 20:53	1		Rtx-5MS 0.25(mm)
ZZZZZ		05/20/2012 21:20	1		Rtx-5MS 0.25(mm)
ZZZZZ		05/20/2012 21:47	1		Rtx-5MS 0.25(mm)
ZZZZZ		05/20/2012 22:14	1		Rtx-5MS 0.25(mm)
ZZZZZ		05/20/2012 22:41	1		Rtx-5MS 0.25(mm)
ZZZZZ		05/20/2012 23:08	1		Rtx-5MS 0.25(mm)
ZZZZZ		05/20/2012 23:35	1		Rtx-5MS 0.25(mm)
ZZZZZ		05/21/2012 00:01	1		Rtx-5MS 0.25(mm)
ZZZZZ		05/21/2012 00:28	1		Rtx-5MS 0.25(mm)
ZZZZZ		05/21/2012 00:55	1		Rtx-5MS 0.25(mm)
460-40258-3	DB-2 13.5-14'	05/21/2012 01:22	1	p30219.d	Rtx-5MS 0.25(mm)
460-40258-2	DB-1 34.5-35'	05/21/2012 02:16	1	p30221.d	Rtx-5MS 0.25(mm)
ZZZZZ		05/21/2012 02:43	1		Rtx-5MS 0.25(mm)
ZZZZZ		05/21/2012 03:09	1		Rtx-5MS 0.25(mm)
ZZZZZ		05/21/2012 03:36	1		Rtx-5MS 0.25(mm)
ZZZZZ		05/21/2012 04:03	1		Rtx-5MS 0.25(mm)
ZZZZZ		05/21/2012 04:30	2		Rtx-5MS 0.25(mm)
ZZZZZ		05/21/2012 04:57	2		Rtx-5MS 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Instrument ID: BNAMS10 Start Date: 05/21/2012 15:40

Analysis Batch Number: 113487 End Date: 05/22/2012 00:56

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-113487/1		05/21/2012 15:40	1	p30240.d	Rtx-5MS 0.25(mm)
CCVIS 460-113487/2		05/21/2012 15:59	1	p30241.d	Rtx-5MS 0.25(mm)
ZZZZZ		05/21/2012 16:25	1		Rtx-5MS 0.25(mm)
ZZZZZ		05/21/2012 16:52	1		Rtx-5MS 0.25(mm)
ZZZZZ		05/21/2012 17:19	1		Rtx-5MS 0.25(mm)
ZZZZZ		05/21/2012 17:46	1		Rtx-5MS 0.25(mm)
460-40258-11	DB-6 29.5-30'	05/21/2012 18:13	5	p30246.d	Rtx-5MS 0.25(mm)
ZZZZZ		05/21/2012 18:40	1		Rtx-5MS 0.25(mm)
ZZZZZ		05/21/2012 19:07	1		Rtx-5MS 0.25(mm)
ZZZZZ		05/21/2012 19:33	1		Rtx-5MS 0.25(mm)
ZZZZZ		05/21/2012 20:00	1		Rtx-5MS 0.25(mm)
ZZZZZ		05/21/2012 20:27	2		Rtx-5MS 0.25(mm)
ZZZZZ		05/21/2012 20:54	2		Rtx-5MS 0.25(mm)
ZZZZZ		05/21/2012 21:22	1		Rtx-5MS 0.25(mm)
ZZZZZ		05/21/2012 21:48	2		Rtx-5MS 0.25(mm)
ZZZZZ		05/21/2012 22:15	2		Rtx-5MS 0.25(mm)
ZZZZZ		05/21/2012 22:42	1		Rtx-5MS 0.25(mm)
ZZZZZ		05/21/2012 23:09	1		Rtx-5MS 0.25(mm)
ZZZZZ		05/21/2012 23:36	1		Rtx-5MS 0.25(mm)
ZZZZZ		05/22/2012 00:02	2		Rtx-5MS 0.25(mm)
ZZZZZ		05/22/2012 00:29	1		Rtx-5MS 0.25(mm)
ZZZZZ		05/22/2012 00:56	1		Rtx-5MS 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Instrument ID: BNAMS4 Start Date: 05/18/2012 11:19

Analysis Batch Number: 113330 End Date: 05/18/2012 14:04

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-113330/1		05/18/2012 11:19	1	u76537.d	Rtx-5MS 0.25(mm)
ICIS 460-113330/2		05/18/2012 12:10	1	u76538.d	Rtx-5MS 0.25(mm)
IC 460-113330/3		05/18/2012 12:32	1	u76539.d	Rtx-5MS 0.25(mm)
IC 460-113330/4		05/18/2012 12:55	1	u76540.d	Rtx-5MS 0.25(mm)
IC 460-113330/5		05/18/2012 13:18	1	u76541.d	Rtx-5MS 0.25(mm)
IC 460-113330/6		05/18/2012 13:41	1	u76542.d	Rtx-5MS 0.25(mm)
IC 460-113330/7		05/18/2012 14:04	1	u76543.d	Rtx-5MS 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Instrument ID: BNAMS4 Start Date: 05/21/2012 09:16

Analysis Batch Number: 113358 End Date: 05/21/2012 20:31

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-113358/1		05/21/2012 09:16	1	u76591.d	Rtx-5MS 0.25(mm)
CCVIS 460-113358/2		05/21/2012 09:35	1	u76592.d	Rtx-5MS 0.25(mm)
ZZZZZ		05/21/2012 10:09	1		Rtx-5MS 0.25(mm)
LCS 460-113111/2-A		05/21/2012 11:17	1	u76596.d	Rtx-5MS 0.25(mm)
MB 460-113111/1-A		05/21/2012 11:40	1	u76597.d	Rtx-5MS 0.25(mm)
ZZZZZ		05/21/2012 12:49	1		Rtx-5MS 0.25(mm)
ZZZZZ		05/21/2012 13:11	2		Rtx-5MS 0.25(mm)
460-40258-13	DB-6 39.5-40'	05/21/2012 14:04	1	u76603.d	Rtx-5MS 0.25(mm)
ZZZZZ		05/21/2012 14:27	1		Rtx-5MS 0.25(mm)
ZZZZZ		05/21/2012 14:49	1		Rtx-5MS 0.25(mm)
ZZZZZ		05/21/2012 15:12	1		Rtx-5MS 0.25(mm)
ZZZZZ		05/21/2012 15:35	1		Rtx-5MS 0.25(mm)
ZZZZZ		05/21/2012 15:58	1		Rtx-5MS 0.25(mm)
ZZZZZ		05/21/2012 16:21	1		Rtx-5MS 0.25(mm)
ZZZZZ		05/21/2012 16:43	1		Rtx-5MS 0.25(mm)
ZZZZZ		05/21/2012 17:06	1		Rtx-5MS 0.25(mm)
ZZZZZ		05/21/2012 17:29	1		Rtx-5MS 0.25(mm)
ZZZZZ		05/21/2012 17:52	1		Rtx-5MS 0.25(mm)
ZZZZZ		05/21/2012 18:14	1		Rtx-5MS 0.25(mm)
ZZZZZ		05/21/2012 18:37	1		Rtx-5MS 0.25(mm)
ZZZZZ		05/21/2012 19:00	1		Rtx-5MS 0.25(mm)
ZZZZZ		05/21/2012 19:23	10		Rtx-5MS 0.25(mm)
ZZZZZ		05/21/2012 19:45	1		Rtx-5MS 0.25(mm)
ZZZZZ		05/21/2012 20:08	1		Rtx-5MS 0.25(mm)
ZZZZZ		05/21/2012 20:31	10		Rtx-5MS 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Instrument ID: BNAMS4 Start Date: 05/24/2012 03:43

Analysis Batch Number: 113782 End Date: 05/24/2012 06:18

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-113782/1		05/24/2012 03:43	1	u76722.d	Rtx-5MS 0.25(mm)
ICIS 460-113782/2		05/24/2012 04:04	1	u76723.d	Rtx-5MS 0.25(mm)
IC 460-113782/3		05/24/2012 04:47	1	u76724.d	Rtx-5MS 0.25(mm)
IC 460-113782/4		05/24/2012 05:10	1	u76725.d	Rtx-5MS 0.25(mm)
IC 460-113782/5		05/24/2012 05:33	1	u76726.d	Rtx-5MS 0.25(mm)
IC 460-113782/6		05/24/2012 05:56	1	u76727.d	Rtx-5MS 0.25(mm)
IC 460-113782/7		05/24/2012 06:18	1	u76728.d	Rtx-5MS 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Instrument ID: BNAMS4 Start Date: 05/24/2012 11:52

Analysis Batch Number: 113911 End Date: 05/24/2012 23:14

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-113911/1		05/24/2012 11:52	1	u76730.d	Rtx-5MS 0.25(mm)
CCVIS 460-113911/2		05/24/2012 12:12	1	u76731.d	Rtx-5MS 0.25(mm)
ZZZZZ		05/24/2012 12:59	1		Rtx-5MS 0.25(mm)
ZZZZZ		05/24/2012 13:22	1		Rtx-5MS 0.25(mm)
ZZZZZ		05/24/2012 13:45	1		Rtx-5MS 0.25(mm)
ZZZZZ		05/24/2012 14:30	1		Rtx-5MS 0.25(mm)
ZZZZZ		05/24/2012 14:53	1		Rtx-5MS 0.25(mm)
ZZZZZ		05/24/2012 15:16	1		Rtx-5MS 0.25(mm)
ZZZZZ		05/24/2012 15:39	1		Rtx-5MS 0.25(mm)
ZZZZZ		05/24/2012 16:02	1		Rtx-5MS 0.25(mm)
ZZZZZ		05/24/2012 16:25	1		Rtx-5MS 0.25(mm)
ZZZZZ		05/24/2012 16:47	1		Rtx-5MS 0.25(mm)
ZZZZZ		05/24/2012 17:10	1		Rtx-5MS 0.25(mm)
ZZZZZ		05/24/2012 17:33	1		Rtx-5MS 0.25(mm)
ZZZZZ		05/24/2012 17:56	1		Rtx-5MS 0.25(mm)
ZZZZZ		05/24/2012 18:18	1		Rtx-5MS 0.25(mm)
ZZZZZ		05/24/2012 18:41	2		Rtx-5MS 0.25(mm)
ZZZZZ		05/24/2012 19:04	5		Rtx-5MS 0.25(mm)
ZZZZZ		05/24/2012 19:26	10		Rtx-5MS 0.25(mm)
ZZZZZ		05/24/2012 19:49	10		Rtx-5MS 0.25(mm)
ZZZZZ		05/24/2012 20:12	10		Rtx-5MS 0.25(mm)
ZZZZZ		05/24/2012 20:34	1		Rtx-5MS 0.25(mm)
ZZZZZ		05/24/2012 20:57	1		Rtx-5MS 0.25(mm)
ZZZZZ		05/24/2012 21:20	1		Rtx-5MS 0.25(mm)
ZZZZZ		05/24/2012 21:43	10		Rtx-5MS 0.25(mm)
ZZZZZ		05/24/2012 22:05	2		Rtx-5MS 0.25(mm)
ZZZZZ		05/24/2012 22:28	1		Rtx-5MS 0.25(mm)
ZZZZZ		05/24/2012 22:51	1		Rtx-5MS 0.25(mm)
ZZZZZ		05/24/2012 23:14	2		Rtx-5MS 0.25(mm)

TESTAMERICA

ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: BNAMS10.i

Analytical Batch: /chem/BNAMS10.i/8270/05-16-12/16may12.b

Date Generated: 05/17/2012

Date	Data File	ALS	Sample ID	LPB	EXT DATE	IV/ IW	FV	Dil	Inj Vol	Sublist	LOT	COMMENTS
												112943
05/16/12 1320	p30113.d	1	DFTPP-1427854			0	0	1	2.0	all	4642	G P=1.073, B=1.578.
05/16/12 1338	p30114.d	2	ICIS-1519304			15	1	1	1.0	all	4658	G
05/16/12 1412	p30115.d	3	IC-1519307			15	1	1	1.0	all	4658	G Good except
05/16/12 1439	p30116.d	4	IC-1519301			15	1	1	1.0	all	4658	G - Benzaldehyde
05/16/12 1505	p30117.d	5	IC-1519305			15	1	1	1.0	all	4658	G - Benzoic Acid
05/16/12 1532	p30118.d	6	IC-1519303			15	1	1	1.0	all	4658	G - Benzidine
05/16/12 1559	p30119.d	7	IC-1519302			15	1	1	1.0	all	4658	G
05/16/12 1626	p30120.d	8	icv	16may12		15	1	1	1.0	all	4644	G

Signed: _____ Read and Understood by: _____

Date: 5/17/12 Date: 5-18-12

TESTAMERICA

ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: BNAMS10.i

Analytical Batch: /chem/BNAMS10.i/8270/05-16-12/18may12.b

Date Generated: 05/18/2012

Date	Data File	ALS	Sample ID	LPB	EXT DATE	IV/ IW	FV	Dil	Inj Vol	Sublist	LOT	COMMENTS
												113076
05/18/12 0306	p30176.d	1	DFTPP-1427854			0	0	1	2.0	all	4642	S Tail PCP- FDU-
05/18/12 0327	p30177.d	2	CCVIS-1519304			15	1	1	1.0	all	4658	S 8270
05/18/12 0407	p30178.d	3	LCS 460-112933/2-A	18may12		15	1	1	1.0	all		S
05/18/12 0433	p30179.d	4	LCS 460-112983/2-A	18may12		15	1	1	1.0	all		S
05/18/12 0500	p30180.d	5	MB 460-112983/1-A	18may12		15	1	1	1.0	all		S
05/18/12 0532	p30181.d	6	460-40276-E-26-A	460-112983	05/17/12	15	1	1	1.0	all		S
05/18/12 0559	p30182.d	7	460-40276-E-26-B MS	460-112983	05/17/12	15	1	1	1.0	all		S
05/18/12 0626	p30183.d	8	460-40276-E-26-CMSD			15	1	1	1.0	all		S
05/18/12 0653	p30184.d	9	460-40273-F-3-C	460-112933	05/17/12	15.0	1	1	1.0	all		S
05/18/12 0719	p30185.d	10	460-40258-B-4-A	460-112983	05/17/12	15	1	1	1.0	all		S
05/18/12 0746	p30186.d	11	460-40258-B-5-A	460-112983	05/17/12	15.0	1	1	1.0	all		S
05/18/12 0813	p30187.d	12	460-40258-B-6-A	460-112983	05/17/12	15.0	1	1	1.0	all		S
05/18/12 0840	p30188.d	13	460-40258-C-7-A	460-112983	05/17/12	15.0	1	1	1.0	all		S
05/18/12 0907	p30189.d	14	460-40258-C-8-A	460-112983	05/17/12	15	1	1	1.0	all		S

TESTAMERICA

ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: BNAMS10.i

Analytical Batch: /chem/BNAMS10.i/8270/05-16-12/18may12.b

Date Generated: 05/18/2012

Date	Data File	ALS	Sample ID	LPB	EXT DATE	IV/ IW	FV	Dil	Inj Vol	Sublist	LOT	COMMENTS
05/18/12 0934	p30190.d	15	460-40258-C-9-A	460-112983	05/17/12	15.0	1	1	1.0	all		S
05/18/12 1001	p30191.d	16	460-40390-B-1-A	460-112983	05/17/12	15	1	10	1.0	all		RA 20X
05/18/12 1028	p30192.d	17	460-40390-B-1-A	460-112983	05/17/12	15	1	20	1.0	all		S
05/18/12 1055	p30193.d	18	460-40258-C-10-A	460-112983	05/17/12	15.0	1	1	1.0	all		S
05/18/12 1122	p30194.d	19	460-40276-E-16-D	460-112983	05/17/12	15	1	1	1.0	all		S
05/18/12 1149	p30195.d	20	460-40276-E-18-D	460-112983	05/17/12	15.0	1	1	1.0	all		S
05/18/12 1216	p30196.d	21	460-40276-E-21-A	460-112983	05/17/12	15.1	1	1	1.0	all		S
05/18/12 1243	p30197.d	22	460-40276-A-22-A	460-112983	05/17/12	15.0	1	1	1.0	all		S
05/18/12 1310	p30198.d	23	460-40276-E-23-A	460-112983	05/17/12	15	1	1	1.0	all		S
05/18/12 1337	p30199.d	24	460-40276-E-27-A	460-112983	05/17/12	15.0	1	1	1.0	all		S
05/18/12 1404	p30200.d	25	460-40276-A-28-A	460-112983	05/17/12	15.0	1	1	1.0	all		S

Signed: C D Read and Understood by:

Date: 5/18/12 Date: 5-19-12

TESTAMERICA

ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: BNAMS4.i

Analytical Batch: /chem/BNAMS4.i/8270T/05-18-12/18may12.b

Date Generated: 05/21/2012

Date	Data File	ALS	Sample ID	LPB	EXT DATE	IV/ IW	FV	Dil	Inj Vol	Sublist	LOT	COMMENTS
												113330
05/18/12 1119	u76537.d	96	DFTPP-1427854			0	0	1	2.0	all	0642	Tail PEP-1,279 BTP-0,591
05/18/12 1210	u76538.d	1	ICIS-1519304			15	1	1	1.0	all	0657	
05/18/12 1232	u76539.d	2	IC-1519307			15	1	1	1.0	all		8270
05/18/12 1255	u76540.d	3	IC-1519305			15	1	1	1.0	all		
05/18/12 1318	u76541.d	4	IC-1519303			15	1	1	1.0	all		
05/18/12 1341	u76542.d	5	IC-1519302			15	1	1	1.0	all		
05/18/12 1404	u76543.d	6	IC-1519301			15	1	1	1.0	all	✓	
05/18/12 1434	u76544.d	7	ICV	18may12		1000	1	1	1.0	all	0642	

Signed: _____ Read and Understood by: _____

Date: 5/21/12 Date: 5-23-12

TESTAMERICA

ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: BNAMS10.i

Analytical Batch: /chem/BNAMS10.i/8270/05-16-12/20may12.b

Date Generated: 05/21/2012

Date	Data File	ALS	Sample ID	LPB	EXT DATE	IV/ IW	FV	Dil	Inj Vol	Sublist	LOT	COMMENTS
												113356
05/20/12 1723	p30202.d	1	DFTPP-1427854			0	0	1	2.0	all	76492	S DFTPP PCF-1.4440 1350-1.147
05/20/12 1826	p30204.d	3	CCVIS-1519304			15	1	1	1.0	all	76558	S 8270
05/20/12 1907	p30205.d	4	460-40258-C-1-A	460-112983	05/17/12	15.0	1	1	1.0	all		S
05/20/12 1934	p30206.d	5	460-40232-E-1-A	460-112825	05/16/12	15.0	1	1	1.0	all		S
05/20/12 2000	p30207.d	6	460-40249-A-6-B	460-112825	05/16/12	15.0	1	1	1.0	all		S
05/20/12 2027	p30208.d	7	460-40249-F-1-A	460-112825	05/16/12	15.1	1	1	1.0	all		S
05/20/12 2053	p30209.d	8	460-40249-F-7-A	460-112825	05/16/12	15	1	1	1.0	all		S. (Acid surr.) PAH.
05/20/12 2120	p30210.d	9	460-40254-A-13-D	460-112825	05/16/12	15	1	1	1.0	all		S
05/20/12 2147	p30211.d	10	460-40261-A-2-B	460-112825	05/16/12	15.0	1	1	1.0	all		S
05/20/12 2214	p30212.d	11	460-40273-F-1-A	460-112933	05/17/12	15.0	1	1	1.0	all		S
05/20/12 2241	p30213.d	12	460-40273-F-2-A	460-112933	05/17/12	15	1	1	1.0	all		S
05/20/12 2308	p30214.d	13	460-40273-G-6-B	460-112933	05/17/12	15	1	1	1.0	all		S
05/20/12 2335	p30215.d	14	460-40276-E-2-A	460-112933	05/17/12	15.0	1	1	1.0	all		S
05/21/12 0001	p30216.d	15	460-40276-E-6-A	460-112933	05/17/12	15.0	1	1	1.0	all		S

Note~ Dilutions prepared as follows:
Dil = Dilution Factor

2x: 300ul sample/ 300ul $MeCl_2$/ 6ul ISTD
5x: 200ul sample/ 800ul $MeCl_2$/ 16ul ISTD
10x: 100ul sample/ 900ul $MeCl_2$/ 18ul ISTD

TESTAMERICA

ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: BNAMS10.i

Analytical Batch: /chem/BNAMS10.i/8270/05-16-12/20may12.b

Date Generated: 05/21/2012

Date	Data File	ALS	Sample ID	LPB	EXT DATE	IV/ IW	FV	Dil	Inj Vol	Sublist	LOT	COMMENTS
05/21/12 0028	p30217.d	16	460-40276-E-4-A	460-112933	05/17/12	15.0	1	1	1.0	all		S
05/21/12 0055	p30218.d	17	460-40276-E-7-A	460-112933	05/17/12	15.0	1	1	1.0	all		S
05/21/12 0122	p30219.d	18	460-40258-C-3-A	460-112983	05/17/12	15.0	1	1	1.0	all		S
05/21/12 0149	p30220.d	19	460-40258-A-11-F	460-112983	05/17/12	15.0	1	1	1.0	all		RRSX
05/21/12 0216	p30221.d	20	460-40258-B-2-A	460-112983	05/17/12	15	1	1	1.0	all		S
05/21/12 0243	p30222.d	21	460-40249-F-2-A	460-112825	05/16/12	15	1	1	1.0	all		S
05/21/12 0309	p30223.d	22	460-40254-A-15-B	460-112825	05/16/12	15.0	1	1	1.0	all		S
05/21/12 0336	p30224.d	23	460-40254-A-12-C	460-112825	05/16/12	15	1	1	1.0	all		S
05/21/12 0403	p30225.d	24	460-40261-A-1-B	460-112825	05/16/12	15.1	1	1	1.0	all		S
05/21/12 0430	p30226.d	25	460-40173-I-1-C	460-112933	05/17/12	15.0	1	2	1.0	all		S
05/21/12 0457	p30227.d	26	460-40173-J-4-D	460-112933	05/17/12	15.0	1	2	1.0	all		S

Signed: C C B Read and Understood by: [signature]

Date: 5/21/12 Date: 5-22-12

TESTAMERICA

ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: BNAMS4.i

Analytical Batch: /chem/BNAMS4.i/8270T/05-18-12/21may12a.b

Date Generated: 05/22/2012

Date	Data File	ALS	Sample ID	LPB	EXT DATE	IV/ IW	FV	Dil	Inj Vol	Sublist	LOT	COMMENTS
												113358
05/21/12 0916	u76591.d	96	DFTPP-1427854			0	0	1	2.0	all	4642	G P=.973, B=1.010
05/21/12 0935	u76592.d	1	CCVIS-1519304			15	1	1	1.0	all	4658	G
05/21/12 1009	u76593.d	2	LCS 460-112826/2-A	21may12a		15	1	1	1.0	all		G
05/21/12 1032	u76594.d	3	LCS 460-113111/2-A	21may12a		15	1	1	1.0	all		RR SpE↑
05/21/12 1055	u76595.d	4	MB 460-113111/1-A	21may12a		15	1	1	1.0	all		RR TS↑
05/21/12 1117	u76596.d	5	LCS 460-113111/2-A	21may12a		15	1	1	1.0	all		G
05/21/12 1140	u76597.d	6	MB 460-113111/1-A	21may12a		15	1	1	1.0	all		G
05/21/12 1203	u76598.d	7	460-40258-C-13-A	460-113111	05/18/12	15.0	1	1	1.0	all		RR TS↑
05/21/12 1226	u76599.d	8	460-40342-A-25-B	460-112985	05/17/12	15.0	1	1	1.0	all		RR TS↑
05/21/12 1249	u76600.d	9	460-40248-A-22-C	460-112826	05/16/12	15.0	1	1	1.0	all		G
05/21/12 1311	u76601.d	10	460-40350-A-1-D	460-112933	05/17/12	15.0	1	2	1.0	all		G
05/21/12 1335	u76602.d	11	BLK	21may12a		15	1	1	1.0	all		NO USE
05/21/12 1404	u76603.d	12	460-40258-C-13-A	460-113111	05/18/12	15.0	1	1	1.0	all		G
05/21/12 1427	u76604.d	13	460-40342-A-25-B	460-112985	05/17/12	15.0	1	1	1.0	all		G

Note~ Dilutions prepared as follows:
Dil = Dilution Factor

2x: 300ul sample/ 300ul $MeCl_2$/ 6ul ISTD
5x: 200ul sample/ 800ul $MeCl_2$/ 16ul ISTD
10x: 100ul sample/ 900ul $MeCl_2$/ 18ul ISTD

TESTAMERICA

ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: BNAMS4.i

Analytical Batch: /chem/BNAMS4.i/8270T/05-18-12/21may12a.b

Date Generated: 05/22/2012

Date	Data File	ALS	Sample ID	LPB	EXT DATE	IV/ IW	FV	Dil	Inj Vol	Sublist	LOT	COMMENTS
05/21/12 1449	u76605.d	14	460-40248-A-22-A MS	460-112826	05/16/12	15.0	1	1	1.0	all		G
05/21/12 1512	u76606.d	15	460-40248-A-22-BMSD	↑		15	1	1	1.0	all		G
05/21/12 1535	u76607.d	16	460-40344-A-1-C MS	460-112985	05/17/12	15.0	1	1	1.0	all		G
05/21/12 1558	u76608.d	17	460-40344-A-1-D MSD	460-112985	05/17/12	15.0	1	1	1.0	all		G
05/21/12 1621	u76609.d	18	460-40344-A-3-B	460-112985	05/17/12	15.0	1	1	1.0	all		G
05/21/12 1643	u76610.d	19	460-40344-A-5-B	460-112985	05/17/12	15	1	1	1.0	all		G
05/21/12 1706	u76611.d	20	460-40344-A-4-B	460-112985	05/17/12	15	1	1	1.0	all		G
05/21/12 1729	u76612.d	21	460-40344-A-7-B	460-112985	05/17/12	15	1	1	1.0	all		G
05/21/12 1752	u76613.d	22	460-40344-A-6-B	460-112985	05/17/12	15.0	1	1	1.0	all		G
05/21/12 1814	u76614.d	23	460-40344-A-10-B	460-112985	05/17/12	15.0	1	1	1.0	all		G
05/21/12 1837	u76615.d	24	460-40342-A-26-B	460-112985	05/17/12	15.1	1	1	1.0	all		G
05/21/12 1900	u76616.d	25	460-39848-A-3-B	460-112985	05/17/12	15.0	1	1	1.0	all		G
05/21/12 1923	u76617.d	26	460-39848-A-2-B	460-112985	05/17/12	15.0	1	10	1.0	all		G Bad Matrix
05/21/12 1945	u76618.d	27	460-40344-A-8-B	460-112985	05/17/12	15	1	1	1.0	all		G

TESTAMERICA

ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: BNAMS4.i

Analytical Batch: /chem/BNAMS4.i/8270T/05-18-12/21may12a.b

Date Generated: 05/22/2012

Date	Data File	ALS	Sample ID	LPB	EXT DATE	IV/ IW	FV	Dil	Inj Vol	Sublist	LOT	COMMENTS
05/21/12 2008	u76619.d	28	460-40344-A-9-B	460-112985	05/17/12	15	1	1	1.0	all		G
05/21/12 2031	u76620.d	29	460-39848-A-1-B	460-112985	05/17/12	15	1	10	1.0	all		G Bad Matrix
05/21/12 2053	u76621.d	30		21may12a		15	1	1	1.0	all		NO use
05/21/12 2116	u76622.d	31		21may12a		15	1	1	1.0	all		NO use

Signed: _____ Read and Understood by: _____

Date: 5/22/12 Date: 5-22-12

TESTAMERICA

ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: BNAMS10.i

Analytical Batch: /chem/BNAMS10.i/8270/05-16-12/21may12a.b

Date Generated: 05/22/2012

Date	Data File	ALS	Sample ID	LPB	EXT DATE	IV/ IW	FV	Dil	Inj Vol	Sublist	LOT	COMMENTS
												113487
05/21/12 1540	p30240.d	1	DFTPP-1427854			0	0	1	2.0	all	4642	G Tail pass-1.508 fail-1.576
05/21/12 1559	p30241.d	2	CCVIS-1519304			15	1	1	1.0	all	4658	G 8270
05/21/12 1625	p30242.d	3	460-40309-B-5-A	460-113126	05/18/12	15.0	1	1	1.0	all		G
05/21/12 1652	p30243.d	4	460-40304-B-2-A	460-113126	05/18/12	15.0	1	1	1.0	all		G
05/21/12 1719	p30244.d	5	460-40304-B-5-A	460-113126	05/18/12	15.0	1	1	1.0	all		G
05/21/12 1746	p30245.d	6	460-40309-B-2-A	460-113126	05/18/12	15.0	1	1	1.0	all		G
05/21/12 1813	p30246.d	7	460-40258-A-11-F	460-112983	05/17/12	15.0	1	5	1.0	all		G
05/21/12 1840	p30247.d	8	460-40304-B-1-D MS	460-113126	05/18/12	15.0	1	1	1.0	all		G
05/21/12 1907	p30248.d	9	460-40304-B-1-E MSD	460-113126	05/18/12	15.0	1	1	1.0	all		G
05/21/12 1933	p30249.d	10	460-40273-F-5-B	460-112933	05/17/12	15.0	1	1	1.0	all		G
05/21/12 2000	p30250.d	11	460-40173-F-16-A	460-112933	05/17/12	15.0	1	1	1.0	all		G
05/21/12 2027	p30251.d	12	460-39852-A-1-C	460-112933	05/17/12	15.0	1	2	1.0	all		G
05/21/12 2054	p30252.d	13	460-40371-A-3-C	460-113126	05/18/12	15.0	1	2	1.0	all		G
05/21/12 2122	p30253.d	14	460-40340-A-1-D	460-113126	05/18/12	15	1	1	1.0	all		G

Note~ Dilutions prepared as follows:
Dil = Dilution Factor

2x: 300ul sample/ 300ul $MeCl_2$/ 6ul ISTD
5x: 200ul sample/ 800ul $MeCl_2$/ 16ul ISTD
10x: 100ul sample/ 900ul $MeCl_2$/ 18ul ISTD

TESTAMERICA

ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: BNAMS10.i

Analytical Batch: /chem/BNAMS10.i/8270/05-16-12/21may12a.b

Date Generated: 05/22/2012

Date	Data File	ALS	Sample ID	LPB	EXT DATE	IV/ IW	FV	Dil	Inj Vol	Sublist	LOT	COMMENTS
05/21/12 2148	p30254.d	15	460-40173-J-4-B MS	460-112933	05/17/12	15.0	1	2	1.0	all		S
05/21/12 2215	p30255.d	16	460-40173-J-4-C MSD	460-112933	05/17/12	15	1	2	1.0	all		S
05/21/12 2242	p30256.d	17	460-40309-B-4-A	460-113126	05/18/12	15.0	1	1	1.0	all		S
05/21/12 2309	p30257.d	18	460-40173-H-13-A	460-112933	05/17/12	15.0	1	1	1.0	all		S
05/21/12 2336	p30258.d	19	460-40173-K-7-D	460-112933	05/17/12	15.0	1	1	1.0	all		S
05/22/12 0002	p30259.d	20	460-40173-K-10-B	460-112933	05/17/12	15	1	2	1.0	all		S
05/22/12 0029	p30260.d	21	460-40299-A-30-C	460-113126	05/18/12	15.0	1	1	1.0	all		S
05/22/12 0056	p30261.d	22	460-40309-C-1-B	460-113126	05/18/12	15.0	1	1	1.0	all		S
05/22/12 0123	p30262.d	23	460-40309-B-3-D	460-113126	05/18/12	15.0	1	1	1.0	all		RR ZX ON BAD 11
05/22/12 0150	p30263.d	24	460-40299-A-29-C	460-113126	05/18/12	15	1	1	1.0	all		RR ZX
05/22/12 0217	p30264.d	25	460-40299-A-31-C	460-113126	05/18/12	15.0	5	1	1.0	all		25 d RR

Signed: _____ Read and Understood by: _____

Date: 5/22/12 Date: 5-23-12

TESTAMERICA

ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: BNAMS4.i

Analytical Batch: /chem/BNAMS4.i/8270T/05-24-12/24may12.b

Date Generated: 05/24/2012

Page 1

Date	Data File	ALS	Sample ID	LPB	EXT DATE	IV/ IW	FV	Dil	Inj Vol	Sublist	LOT	COMMENTS
												113782
05/24/12 0343	u76722.d	96	DFTPP-1427854			0	0	1	2.0	all	46692	C Tail PEP-1308 EB_0000
05/24/12 0404	u76723.d	1	ICIS-1519304			15	1	1	1.0	all	46658	C 8270
05/24/12 0447	u76724.d	2	IC-1519307			15	1	1	1.0	all		C
05/24/12 0510	u76725.d	3	IC-1519305			15	1	1	1.0	all		C
05/24/12 0533	u76726.d	4	IC-1519303			15	1	1	1.0	all		C
05/24/12 0556	u76727.d	5	IC-1519302			15	1	1	1.0	all		C
05/24/12 0618	u76728.d	6	IC-1519301			15	1	1	1.0	all		C
05/24/12 0641	u76729.d	7	ICV	24may12		1000	1	1	1.0	all	46659 46692	C

@ 5/28/12

Signed: C J Read and Understood by: W. Bourgeois

Date: 5/24/12 Date: 5-25-12

TESTAMERICA

ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: BNAMS4.i

Analytical Batch: /chem/BNAMS4.i/8270T/05-24-12/24may12a.b

Date Generated: 05/25/2012

Date	Data File	ALS	Sample ID	LPB	EXT DATE	IV/ IW	FV	Dil	Inj Vol	Sublist	LOT	COMMENTS
												113911
05/24/12 1152	u76730.d	96	DFTPP-1427854			0	0	1	2.0	all	4642	G P=1.368, B=0.695
05/24/12 1212	u76731.d	1	CCVIS-1519304			15	1	1	1.0	all	4658	G no benzidine recovery
05/24/12 1236	u76732.d	2	LCS 460-113237/2-A	24may12a		15	1	1	1.0	all		RR
05/24/12 1259	u76733.d	3	MB 460-113237/1-A	24may12a		15	1	1	1.0	all		G
05/24/12 1322	u76734.d	4	LCS 460-113237/2-A	24may12a		15	1	1	1.0	all		G
05/24/12 1345	u76735.d	5	460-40373-A-1-B	460-113237	05/20/12	15	1	1	1.0	all		G
05/24/12 1407	u76736.d	6	460-40193-A-17-B	460-113237	05/20/12	15.0	1	1	1.0	all		RR 5X 75% sur ↓ Bad Matrix
05/24/12 1430	u76737.d	7	460-40373-A-14-B	460-113237	05/20/12	15	1	1	1.0	all		G
05/24/12 1453	u76738.d	8	460-40373-A-19-B	460-113237	05/20/12	15.0	1	1	1.0	all		G
05/24/12 1516	u76739.d	9	460-40373-A-21-B	460-113237	05/20/12	15.0	1	1	1.0	all		G
05/24/12 1539	u76740.d	10	460-40373-A-26-B	460-113237	05/20/12	15	1	1	1.0	all		G
05/24/12 1602	u76741.d	11	460-40373-A-27-B	460-113237	05/20/12	15	1	1	1.0	all		G
05/24/12 1625	u76742.d	12	460-40276-E-17-D	460-113111	05/18/12	15.0	1	1	1.0	all		G
05/24/12 1647	u76743.d	13	460-40276-E-19-A	460-113111	05/18/12	15	1	1	1.0	all		G

TESTAMERICA

ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: BNAMS4.i

Analytical Batch: /chem/BNAMS4.i/8270T/05-24-12/24may12a.b

Date Generated: 05/25/2012

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Date	Data File	ALS	Sample ID	LPB	EXT DATE	IV/ IW	FV	Dil	Inj Vol	Sublist	LOT	COMMENTS
05/24/12 1710	u76744.d	14	460-40373-A-24-C	460-113237	05/20/12	15	1	1	1.0	all		G
05/24/12 1733	u76745.d	15	460-40373-A-24-A MS	460-113237	05/20/12	15.0	1	1	1.0	all		G
05/24/12 1756	u76746.d	16	460-40373-A-24-BMSD	24may12a		15	1	1	1.0	all		G
05/24/12 1818	u76747.d	17	460-40276-A-29-A	460-113111	05/18/12	15.0	1	1	1.0	all		G
05/24/12 1841	u76748.d	18	460-40171-A-1-C	460-113366	05/21/12	15.0	1	2	1.0	all		G
05/24/12 1904	u76749.d	19	460-40193-A-17-B	460-113237	05/20/12	15.0	1	5	1.0	all		G
05/24/12 1926	u76750.d	20	460-40276-A-30-C	460-113111	05/18/12	15.0	1	10	1.0	all		G
05/24/12 1949	u76751.d	21	460-40276-A-30-A MS	460-113111	05/18/12	15.0	1	10	1.0	all		G
05/24/12 2012	u76752.d	22	460-40276-A-30-B MSD AA	24may12a	✓	15	1	10	1.0	all		G
05/24/12 2034	u76753.d	23	460-40373-A-25-C	460-113237	05/20/12	15.0	1	1	1.0	all		G
05/24/12 2057	u76754.d	24	460-40373-A-23-B	460-113237	05/20/12	15.0	1	1	1.0	all		G
05/24/12 2120	u76755.d	25	460-40299-A-3-C	460-113111	05/18/12	15.0	1	1	1.0	all		G
05/24/12 2143	u76756.d	26	460-40171-A-10-B	460-113366	05/21/12	15	1	10	1.0	all		G
05/24/12 2205	u76757.d	27	460-40255-E-2-C	460-113111	05/18/12	15	1	2	1.0	all		G

TESTAMERICA

ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: BNAMS4.i

Analytical Batch: /chem/BNAMS4.i/8270T/05-24-12/24may12a.b

Date Generated: 05/25/2012

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Date	Data File	ALS	Sample ID	LPB	EXT DATE	IV/ IW	FV	Dil	Inj Vol	Sublist	LOT	COMMENTS
05/24/12 2228	u76758.d	28	460-40255-E-4-C	460-113111	05/18/12	15.0	1	1	1.0	all		G
05/24/12 2251	u76759.d	29	460-40255-E-3-C	460-113111	05/18/12	15.0	1	1	1.0	all		G
05/24/12 2314	u76760.d	30	460-40255-E-1-C	460-113111	05/18/12	15.0	1	2	1.0	all		G
05/24/12 2336	u76761.d	31	✓	24may12a	✓	15	1	1	1.0	all		GW® use

Signed: W Read and Understood by:

Date: 5/25/12 Date: 5-25-12

Note~ Dilutions prepared as follows:
Dil = Dilution Factor

2x: 300ul sample/ 300ul $MeCl_2$/ 6ul ISTD
5x: 200ul sample/ 800ul $MeCl_2$/ 16ul ISTD
10x: 100ul sample/ 900ul $MeCl_2$/ 18ul ISTD

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Batch Number: 112983 Batch Start Date: 05/17/12 11:25 Batch Analyst: Masongo, Charles

Batch Method: 3541 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	SoxThermPosition	OP8270SoilSUR 00006	OP8270sp 00026	
MB 460-112983/1		3541, 8270C		15.00 g	1 mL	73	500 uL		
LCS 460-112983/2		3541, 8270C		15.02 g	1 mL	74	500 uL	0.5 mL	
460-40258-C-1	DB-1 23-23.5'	3541, 8270C	T	15.04 g	1 mL	77	500 uL		
460-40258-B-2	DB-1 34.5-35'	3541, 8270C	T	15.00 g	1 mL	78	500 uL		
460-40258-C-3	DB-2 13.5-14'	3541, 8270C	T	15.02 g	1 mL	79	500 uL		
460-40258-B-4	DB-2 34.5-35'	3541, 8270C	T	15.00 g	1 mL	80	500 uL		
460-40258-B-5	DB-3 20.5-21'	3541, 8270C	T	15.01 g	1 mL	81	500 uL		
460-40258-B-6	DB-3 30.5-31'	3541, 8270C	T	15.01 g	1 mL	82	500 uL		
460-40258-C-7	DB-5 21-21.5'	3541, 8270C	T	15.02 g	1 mL	83	500 uL		
460-40258-C-8	DB-5 35-35.5'	3541, 8270C	T	15.00 g	1 mL	84	500 uL		
460-40258-C-9	DB-5 49.5-50'	3541, 8270C	T	15.03 g	1 mL	1	500 uL		
460-40258-C-10	DB-6 15-15.5'	3541, 8270C	T	15.02 g	1 mL	2	500 uL		
460-40258-A-11	DB-6 29.5-30'	3541, 8270C	T	15.04 g	1 mL	3	500 uL		

Batch Notes	
Balance ID	28
Batch Comment	BNA 8270C SOIL
Blank Soil Lot Number	K41585
Person's name who did the concentration	CM
Vendor lot number	L10E08
Na2SO4 Lot Number	K41585
Person's name who did the prep	CM
Solvent	MeCl2/Acetone mixture
SOP Number	3541
First Start time	11:25am

Basis	Basis Description
T	Total/NA

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Batch Number: 113111 Batch Start Date: 05/18/12 09:13 Batch Analyst: Patel, Harsh

Batch Method: 3541 Batch End Date: 05/18/12 17:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	SoxThermPosition	OP8270SoilSUR 00006	OP8270sp 00026	
MB 460-113111/1		3541, 8270C		15.00 g	1 mL	73	500 uL		
LCS 460-113111/2		3541, 8270C		15.00 g	1 mL	74	500 uL	0.5 mL	
460-40258-C-13	DB-6 39.5-40'	3541, 8270C	T	15.01 g	1 mL	81	500 uL		

Batch Notes	
Balance ID	28
Batch Comment	BNA soil
Person's name who did the concentration	hp
Vendor lot number	L10E08
Na2SO4 Lot Number	K41585
Person's name who did the prep	hp
Solvent	Acetone/MeCL2 mix
First Start time	9.00am

Basis	Basis Description
T	Total/NA

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Edison Job Number: 460-40258-1

SDG No.:

Project: Cond Edison 500 Kent Ave, Brooklyn

Client Sample ID	Lab Sample ID
DB-1 23-23.5'	460-40258-1
DB-1 34.5-35'	460-40258-2
DB-2 13.5-14'	460-40258-3
DB-2 34.5-35'	460-40258-4
DB-3 20.5-21'	460-40258-5
DB-3 30.5-31'	460-40258-6
DB-5 21-21.5'	460-40258-7
DB-5 35-35.5'	460-40258-8
DB-5 49.5-50'	460-40258-9
DB-6 15-15.5'	460-40258-10
DB-6 29.5-30'	460-40258-11
DB-6 39.5-40'	460-40258-13

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: DB-1 23-23.5' Lab Sample ID: 460-40258-1

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG ID.:

Matrix: Solid Date Sampled: 05/10/2012 12:35

Reporting Basis: DRY Date Received: 05/15/2012 16:35

% Solids: 85.9

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	5.2	1.1	1.0	mg/Kg			4	6010B
7440-39-3	Barium	33.7	42.7	1.2	mg/Kg	J		4	6010B
7440-41-7	Beryllium	0.15	0.43	0.15	mg/Kg	J		4	6010B
7440-43-9	Cadmium	0.16	1.1	0.16	mg/Kg	U		4	6010B
7440-47-3	Chromium (total)	7.2	2.1	0.92	mg/Kg			4	6010B
7440-48-4	Cobalt	3.3	10.7	0.91	mg/Kg	J		4	6010B
7440-50-8	Copper	6.9	5.3	2.1	mg/Kg			4	6010B
7439-89-6	Iron	8600	32.0	12.9	mg/Kg			4	6010B
7439-92-1	Lead	2.9	1.1	0.92	mg/Kg			4	6010B
7439-96-5	Manganese	113	3.2	0.94	mg/Kg			4	6010B
7440-02-0	Nickel	7.4	8.5	0.94	mg/Kg	J		4	6010B
7782-49-2	Selenium	1.4	2.1	1.4	mg/Kg	U		4	6010B
7440-22-4	Silver	0.21	2.1	0.21	mg/Kg	U		4	6010B
7440-62-2	Vanadium	12.5	10.7	0.82	mg/Kg			4	6010B
7440-66-6	Zinc	15.9	6.4	1.2	mg/Kg			4	6010B
7439-97-6	Mercury	0.025	0.037	0.025	mg/Kg	U		1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: DB-1 34.5-35' Lab Sample ID: 460-40258-2

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG ID.:

Matrix: Solid Date Sampled: 05/10/2012 12:45

Reporting Basis: DRY Date Received: 05/15/2012 16:35

% Solids: 83.4

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	17.8	1.1	1.1	mg/Kg			4	6010B
7440-39-3	Barium	55.5	45.3	1.3	mg/Kg			4	6010B
7440-41-7	Beryllium	0.26	0.45	0.16	mg/Kg	J		4	6010B
7440-43-9	Cadmium	0.42	1.1	0.17	mg/Kg	J		4	6010B
7440-47-3	Chromium (total)	90.4	2.3	0.97	mg/Kg			4	6010B
7440-48-4	Cobalt	4.1	11.3	0.96	mg/Kg	J		4	6010B
7440-50-8	Copper	114	5.7	2.2	mg/Kg			4	6010B
7439-89-6	Iron	20200	33.9	13.7	mg/Kg			4	6010B
7439-92-1	Lead	244	1.1	0.97	mg/Kg			4	6010B
7439-96-5	Manganese	380	3.4	1.0	mg/Kg			4	6010B
7440-02-0	Nickel	32.3	9.1	1.0	mg/Kg			4	6010B
7782-49-2	Selenium	1.5	2.3	1.5	mg/Kg	U		4	6010B
7440-22-4	Silver	0.51	2.3	0.23	mg/Kg	J		4	6010B
7440-62-2	Vanadium	11.1	11.3	0.87	mg/Kg	J		4	6010B
7440-66-6	Zinc	112	6.8	1.2	mg/Kg			4	6010B
7439-97-6	Mercury	0.27	0.040	0.026	mg/Kg			1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: DB-2 13.5-14' Lab Sample ID: 460-40258-3

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG ID.:

Matrix: Solid Date Sampled: 05/10/2012 14:00

Reporting Basis: DRY Date Received: 05/15/2012 16:35

% Solids: 84.9

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	14.4	1.1	0.99	mg/Kg			4	6010B
7440-39-3	Barium	84.1	42.1	1.2	mg/Kg			4	6010B
7440-41-7	Beryllium	0.42	0.42	0.15	mg/Kg			4	6010B
7440-43-9	Cadmium	0.48	1.1	0.16	mg/Kg	J		4	6010B
7440-47-3	Chromium (total)	22.1	2.1	0.90	mg/Kg			4	6010B
7440-48-4	Cobalt	5.0	10.5	0.90	mg/Kg	J		4	6010B
7440-50-8	Copper	37.9	5.3	2.0	mg/Kg			4	6010B
7439-89-6	Iron	15300	31.6	12.7	mg/Kg			4	6010B
7439-92-1	Lead	91.9	1.1	0.90	mg/Kg			4	6010B
7439-96-5	Manganese	217	3.2	0.93	mg/Kg			4	6010B
7440-02-0	Nickel	18.5	8.4	0.93	mg/Kg			4	6010B
7782-49-2	Selenium	1.4	2.1	1.4	mg/Kg	U		4	6010B
7440-22-4	Silver	0.38	2.1	0.21	mg/Kg	J		4	6010B
7440-62-2	Vanadium	22.9	10.5	0.81	mg/Kg			4	6010B
7440-66-6	Zinc	87.5	6.3	1.1	mg/Kg			4	6010B
7439-97-6	Mercury	0.041	0.036	0.024	mg/Kg			1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: DB-2 34.5-35' Lab Sample ID: 460-40258-4

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG ID.:

Matrix: Solid Date Sampled: 05/10/2012 14:50

Reporting Basis: DRY Date Received: 05/15/2012 16:35

% Solids: 89.2

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	5.1	1.1	1.0	mg/Kg			4	6010B
7440-39-3	Barium	70.8	44.0	1.3	mg/Kg			4	6010B
7440-41-7	Beryllium	0.29	0.44	0.16	mg/Kg	J		4	6010B
7440-43-9	Cadmium	0.16	1.1	0.16	mg/Kg	U		4	6010B
7440-47-3	Chromium (total)	24.9	2.2	0.94	mg/Kg			4	6010B
7440-48-4	Cobalt	8.2	11.0	0.94	mg/Kg	J		4	6010B
7440-50-8	Copper	50.5	5.5	2.1	mg/Kg			4	6010B
7439-89-6	Iron	28600	33.0	13.3	mg/Kg			4	6010B
7439-92-1	Lead	7.9	1.1	0.94	mg/Kg			4	6010B
7439-96-5	Manganese	460	3.3	0.97	mg/Kg			4	6010B
7440-02-0	Nickel	18.3	8.8	0.97	mg/Kg			4	6010B
7782-49-2	Selenium	1.5	2.2	1.5	mg/Kg	U		4	6010B
7440-22-4	Silver	0.37	2.2	0.22	mg/Kg	J		4	6010B
7440-62-2	Vanadium	45.9	11.0	0.84	mg/Kg			4	6010B
7440-66-6	Zinc	43.4	6.6	1.2	mg/Kg			4	6010B
7439-97-6	Mercury	0.022	0.033	0.022	mg/Kg	U		1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: DB-3 20.5-21' Lab Sample ID: 460-40258-5

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG ID.:

Matrix: Solid Date Sampled: 05/10/2012 16:40

Reporting Basis: DRY Date Received: 05/15/2012 16:35

% Solids: 84.3

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	2.5	1.2	1.1	mg/Kg			4	6010B
7440-39-3	Barium	13.9	46.1	1.3	mg/Kg	J		4	6010B
7440-41-7	Beryllium	0.17	0.46	0.17	mg/Kg	U		4	6010B
7440-43-9	Cadmium	0.17	1.2	0.17	mg/Kg	U		4	6010B
7440-47-3	Chromium (total)	10.1	2.3	0.99	mg/Kg			4	6010B
7440-48-4	Cobalt	3.2	11.5	0.98	mg/Kg	J		4	6010B
7440-50-8	Copper	7.2	5.8	2.2	mg/Kg			4	6010B
7439-89-6	Iron	10700	34.6	13.9	mg/Kg			4	6010B
7439-92-1	Lead	9.4	1.2	0.99	mg/Kg			4	6010B
7439-96-5	Manganese	93.7	3.5	1.0	mg/Kg			4	6010B
7440-02-0	Nickel	7.7	9.2	1.0	mg/Kg	J		4	6010B
7782-49-2	Selenium	1.5	2.3	1.5	mg/Kg	U		4	6010B
7440-22-4	Silver	0.23	2.3	0.23	mg/Kg	U		4	6010B
7440-62-2	Vanadium	15.7	11.5	0.88	mg/Kg			4	6010B
7440-66-6	Zinc	19.4	6.9	1.2	mg/Kg			4	6010B
7439-97-6	Mercury	0.025	0.038	0.025	mg/Kg	U		1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: DB-3 30.5-31' Lab Sample ID: 460-40258-6

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG ID.:

Matrix: Solid Date Sampled: 05/10/2012 16:55

Reporting Basis: DRY Date Received: 05/15/2012 16:35

% Solids: 86.6

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	2.5	1.1	1.0	mg/Kg			4	6010B
7440-39-3	Barium	41.7	43.6	1.2	mg/Kg	J		4	6010B
7440-41-7	Beryllium	0.24	0.44	0.16	mg/Kg	J		4	6010B
7440-43-9	Cadmium	0.16	1.1	0.16	mg/Kg	U		4	6010B
7440-47-3	Chromium (total)	17.9	2.2	0.94	mg/Kg			4	6010B
7440-48-4	Cobalt	6.2	10.9	0.93	mg/Kg	J		4	6010B
7440-50-8	Copper	21.1	5.4	2.1	mg/Kg			4	6010B
7439-89-6	Iron	18700	32.7	13.2	mg/Kg			4	6010B
7439-92-1	Lead	6.6	1.1	0.94	mg/Kg			4	6010B
7439-96-5	Manganese	350	3.3	0.96	mg/Kg			4	6010B
7440-02-0	Nickel	14.5	8.7	0.96	mg/Kg			4	6010B
7782-49-2	Selenium	1.4	2.2	1.4	mg/Kg	U		4	6010B
7440-22-4	Silver	0.22	2.2	0.22	mg/Kg	U		4	6010B
7440-62-2	Vanadium	25.2	10.9	0.84	mg/Kg			4	6010B
7440-66-6	Zinc	34.0	6.5	1.2	mg/Kg			4	6010B
7439-97-6	Mercury	0.023	0.035	0.023	mg/Kg	U		1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: DB-5 21-21.5' Lab Sample ID: 460-40258-7

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG ID.:

Matrix: Solid Date Sampled: 05/11/2012 14:35

Reporting Basis: DRY Date Received: 05/15/2012 16:35

% Solids: 84.1

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	3.9	1.2	1.1	mg/Kg			4	6010B
7440-39-3	Barium	24.6	46.2	1.3	mg/Kg	J		4	6010B
7440-41-7	Beryllium	0.35	0.46	0.17	mg/Kg	J		4	6010B
7440-43-9	Cadmium	0.17	1.2	0.17	mg/Kg	U		4	6010B
7440-47-3	Chromium (total)	10.9	2.3	0.99	mg/Kg			4	6010B
7440-48-4	Cobalt	5.9	11.5	0.98	mg/Kg	J		4	6010B
7440-50-8	Copper	19.8	5.8	2.2	mg/Kg			4	6010B
7439-89-6	Iron	15000	34.6	14.0	mg/Kg			4	6010B
7439-92-1	Lead	18.6	1.2	0.99	mg/Kg			4	6010B
7439-96-5	Manganese	189	3.5	1.0	mg/Kg			4	6010B
7440-02-0	Nickel	11.6	9.2	1.0	mg/Kg			4	6010B
7782-49-2	Selenium	1.5	2.3	1.5	mg/Kg	U		4	6010B
7440-22-4	Silver	0.23	2.3	0.23	mg/Kg	U		4	6010B
7440-62-2	Vanadium	15.2	11.5	0.89	mg/Kg			4	6010B
7440-66-6	Zinc	40.2	6.9	1.2	mg/Kg			4	6010B
7439-97-6	Mercury	0.025	0.037	0.025	mg/Kg	U		1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: DB-5 35-35.5' Lab Sample ID: 460-40258-8

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG ID.:

Matrix: Solid Date Sampled: 05/11/2012 14:50

Reporting Basis: DRY Date Received: 05/15/2012 16:35

% Solids: 80.5

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	3.0	1.1	1.1	mg/Kg			4	6010B
7440-39-3	Barium	102	44.8	1.3	mg/Kg			4	6010B
7440-41-7	Beryllium	0.53	0.45	0.16	mg/Kg			4	6010B
7440-43-9	Cadmium	0.17	1.1	0.17	mg/Kg	U		4	6010B
7440-47-3	Chromium (total)	30.8	2.2	0.96	mg/Kg			4	6010B
7440-48-4	Cobalt	11.4	11.2	0.95	mg/Kg			4	6010B
7440-50-8	Copper	26.7	5.6	2.2	mg/Kg			4	6010B
7439-89-6	Iron	25000	33.6	13.5	mg/Kg			4	6010B
7439-92-1	Lead	11.2	1.1	0.96	mg/Kg			4	6010B
7439-96-5	Manganese	524	3.4	0.98	mg/Kg			4	6010B
7440-02-0	Nickel	28.0	9.0	0.98	mg/Kg			4	6010B
7782-49-2	Selenium	1.5	2.2	1.5	mg/Kg	U		4	6010B
7440-22-4	Silver	0.35	2.2	0.22	mg/Kg	J		4	6010B
7440-62-2	Vanadium	35.7	11.2	0.86	mg/Kg			4	6010B
7440-66-6	Zinc	70.9	6.7	1.2	mg/Kg			4	6010B
7439-97-6	Mercury	0.027	0.040	0.027	mg/Kg	U		1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: DB-5 49.5-50' Lab Sample ID: 460-40258-9

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG ID.:

Matrix: Solid Date Sampled: 05/11/2012 16:05

Reporting Basis: DRY Date Received: 05/15/2012 16:35

% Solids: 90.2

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	1.8	1.1	1.0	mg/Kg			4	6010B
7440-39-3	Barium	48.2	42.6	1.2	mg/Kg			4	6010B
7440-41-7	Beryllium	0.21	0.43	0.15	mg/Kg	J		4	6010B
7440-43-9	Cadmium	0.16	1.1	0.16	mg/Kg	U		4	6010B
7440-47-3	Chromium (total)	11.6	2.1	0.92	mg/Kg			4	6010B
7440-48-4	Cobalt	5.1	10.7	0.91	mg/Kg	J		4	6010B
7440-50-8	Copper	14.1	5.3	2.1	mg/Kg			4	6010B
7439-89-6	Iron	15100	32.0	12.9	mg/Kg			4	6010B
7439-92-1	Lead	4.9	1.1	0.92	mg/Kg			4	6010B
7439-96-5	Manganese	321	3.2	0.94	mg/Kg			4	6010B
7440-02-0	Nickel	11.9	8.5	0.94	mg/Kg			4	6010B
7782-49-2	Selenium	1.4	2.1	1.4	mg/Kg	U		4	6010B
7440-22-4	Silver	0.21	2.1	0.21	mg/Kg	U		4	6010B
7440-62-2	Vanadium	20.4	10.7	0.82	mg/Kg			4	6010B
7440-66-6	Zinc	26.2	6.4	1.2	mg/Kg			4	6010B
7439-97-6	Mercury	0.024	0.035	0.024	mg/Kg	U		1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: DB-6 15-15.5' Lab Sample ID: 460-40258-10

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG ID.:

Matrix: Solid Date Sampled: 05/11/2012 10:15

Reporting Basis: DRY Date Received: 05/15/2012 16:35

% Solids: 78.9

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	5.9	1.3	1.2	mg/Kg			4	6010B
7440-39-3	Barium	28.1	50.7	1.4	mg/Kg	J		4	6010B
7440-41-7	Beryllium	0.43	0.51	0.18	mg/Kg	J		4	6010B
7440-43-9	Cadmium	0.19	1.3	0.19	mg/Kg	U		4	6010B
7440-47-3	Chromium (total)	43.1	2.5	1.1	mg/Kg			4	6010B
7440-48-4	Cobalt	6.3	12.7	1.1	mg/Kg	J		4	6010B
7440-50-8	Copper	19.6	6.3	2.5	mg/Kg			4	6010B
7439-89-6	Iron	28400	38.0	15.3	mg/Kg			4	6010B
7439-92-1	Lead	51.4	1.3	1.1	mg/Kg			4	6010B
7439-96-5	Manganese	301	3.8	1.1	mg/Kg			4	6010B
7440-02-0	Nickel	14.8	10.1	1.1	mg/Kg			4	6010B
7782-49-2	Selenium	1.7	2.5	1.7	mg/Kg	U		4	6010B
7440-22-4	Silver	0.25	2.5	0.25	mg/Kg	U		4	6010B
7440-62-2	Vanadium	29.5	12.7	0.97	mg/Kg			4	6010B
7440-66-6	Zinc	77.7	7.6	1.4	mg/Kg			4	6010B
7439-97-6	Mercury	0.14	0.039	0.026	mg/Kg			1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: DB-6 29.5-30' Lab Sample ID: 460-40258-11

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG ID.:

Matrix: Solid Date Sampled: 05/11/2012 10:45

Reporting Basis: DRY Date Received: 05/15/2012 16:35

% Solids: 90.0

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	4.8	1.1	1.0	mg/Kg			4	6010B
7440-39-3	Barium	23.5	43.1	1.2	mg/Kg	J		4	6010B
7440-41-7	Beryllium	0.28	0.43	0.16	mg/Kg	J		4	6010B
7440-43-9	Cadmium	0.16	1.1	0.16	mg/Kg	U		4	6010B
7440-47-3	Chromium (total)	15.3	2.2	0.93	mg/Kg			4	6010B
7440-48-4	Cobalt	6.1	10.8	0.92	mg/Kg	J		4	6010B
7440-50-8	Copper	21.5	5.4	2.1	mg/Kg			4	6010B
7439-89-6	Iron	19100	32.3	13.0	mg/Kg			4	6010B
7439-92-1	Lead	5.5	1.1	0.93	mg/Kg			4	6010B
7439-96-5	Manganese	147	3.2	0.95	mg/Kg			4	6010B
7440-02-0	Nickel	12.6	8.6	0.95	mg/Kg			4	6010B
7782-49-2	Selenium	1.4	2.2	1.4	mg/Kg	U		4	6010B
7440-22-4	Silver	0.22	2.2	0.22	mg/Kg	U		4	6010B
7440-62-2	Vanadium	25.8	10.8	0.83	mg/Kg			4	6010B
7440-66-6	Zinc	31.8	6.5	1.2	mg/Kg			4	6010B
7439-97-6	Mercury	0.024	0.036	0.024	mg/Kg	U		1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: DB-6 39.5-40' Lab Sample ID: 460-40258-13

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG ID.:

Matrix: Solid Date Sampled: 05/11/2012 10:55

Reporting Basis: DRY Date Received: 05/15/2012 16:35

% Solids: 77.7

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	4.5	1.2	1.1	mg/Kg			4	6010B
7440-39-3	Barium	219	47.3	1.3	mg/Kg			4	6010B
7440-41-7	Beryllium	0.80	0.47	0.17	mg/Kg			4	6010B
7440-43-9	Cadmium	0.18	1.2	0.17	mg/Kg	J		4	6010B
7440-47-3	Chromium (total)	51.7	2.4	1.0	mg/Kg			4	6010B
7440-48-4	Cobalt	20.1	11.8	1.0	mg/Kg			4	6010B
7440-50-8	Copper	40.1	5.9	2.3	mg/Kg			4	6010B
7439-89-6	Iron	37500	35.4	14.3	mg/Kg			4	6010B
7439-92-1	Lead	14.9	1.2	1.0	mg/Kg			4	6010B
7439-96-5	Manganese	608	3.5	1.0	mg/Kg			4	6010B
7440-02-0	Nickel	51.9	9.5	1.0	mg/Kg			4	6010B
7782-49-2	Selenium	1.6	2.4	1.6	mg/Kg	U		4	6010B
7440-22-4	Silver	0.82	2.4	0.24	mg/Kg	J		4	6010B
7440-62-2	Vanadium	55.0	11.8	0.91	mg/Kg			4	6010B
7440-66-6	Zinc	98.1	7.1	1.3	mg/Kg			4	6010B
7439-97-6	Mercury	0.027	0.040	0.027	mg/Kg	U		1	7471A

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

ICV Source: ME_CCV_DUO_00051 Concentration Units: ug/L

CCV Source: ME_CCV_DUO_00051

Analyte	ICV 460-113027/6 05/17/2012 11:13				CCV 460-113027/30 05/17/2012 12:38				CCV 460-113027/42 05/17/2012 13:21			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	126700		125000	101	126600		125000	101	126900		125000	102
Antimony	1029		1000	103	1034		1000	103	1031		1000	103
Arsenic	2540		2500	102	2555		2500	102	2545		2500	102
Barium	10220		10000	102	10280		10000	103	10260		10000	103
Beryllium	1008		1000	101	989.1		1000	99	983.5		1000	98
Cadmium	1289		1250	103	1297		1250	104	1291		1250	103
Calcium	126900		125000	102	125700		125000	101	125200		125000	100
Chromium (total)	5092		5000	102	5130		5000	103	5119		5000	102
Cobalt	2539		2500	102	2551		2500	102	2535		2500	101
Copper	12680		12500	101	12480		12500	100	12440		12500	100
Iron	101700		100000	102	102100		100000	102	101700		100000	102
Lead	7692		7500	103	7735		7500	103	7687		7500	102
Magnesium	125900		125000	101	126900		125000	102	126400		125000	101
Manganese	5185		5000	104	5176		5000	104	5150		5000	103
Nickel	2569		2500	103	2588		2500	104	2570		2500	103
Potassium	50400		50000	101	50030		50000	100	49990		50000	100
Selenium	2499		2500	100	2517		2500	101	2499		2500	100
Silver	1252		1250	100	1255		1250	100	1252		1250	100
Sodium	124500		125000	100	124000		125000	99	124400		125000	100
Thallium	2607		2500	104	2624		2500	105	2607		2500	104
Vanadium	2528		2500	101	2537		2500	101	2528		2500	101
Zinc	2533		2500	101	2547		2500	102	2531		2500	101

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

ICV Source: ME_CCV_DUO_00051 Concentration Units: ug/L

CCV Source: ME_CCV_DUO_00051

Analyte	CCV 460-113027/54 05/17/2012 14:04				CCV 460-113027/66 05/17/2012 14:49				CCV 460-113027/78 05/17/2012 15:32			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	126000		125000	101	126400		125000	101	126000		125000	101
Antimony	1033		1000	103	1025		1000	103	1031		1000	103
Arsenic	2551		2500	102	2505		2500	100	2544		2500	102
Barium	10250		10000	103	10180		10000	102	10240		10000	102
Beryllium	976.5		1000	98	990.3		1000	99	970.0		1000	97
Cadmium	1294		1250	104	1276		1250	102	1294		1250	104
Calcium	124100		125000	99	126000		125000	101	123400		125000	99
Chromium (total)	5100		5000	102	5031		5000	101	5098		5000	102
Cobalt	2540		2500	102	2514		2500	101	2532		2500	101
Copper	12360		12500	99	12660		12500	101	12380		12500	99
Iron	101400		100000	101	100500		100000	101	101400		100000	101
Lead	7701		7500	103	7610		7500	101	7689		7500	103
Magnesium	126100		125000	101	123300		125000	99	126200		125000	101
Manganese	5129		5000	103	5132		5000	103	5125		5000	103
Nickel	2571		2500	103	2533		2500	101	2561		2500	102
Potassium	49660		50000	99	50350		50000	101	49530		50000	99
Selenium	2509		2500	100	2459		2500	98	2504		2500	100
Silver	1250		1250	100	1244		1250	100	1250		1250	100
Sodium	123400		125000	99	124900		125000	100	124000		125000	99
Thallium	2614		2500	105	2579		2500	103	2595		2500	104
Vanadium	2519		2500	101	2504		2500	100	2517		2500	101
Zinc	2538		2500	102	2511		2500	100	2539		2500	102

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

ICV Source: ME_CCV_DUO_00051 Concentration Units: ug/L

CCV Source: ME_CCV_DUO_00051

Analyte	CCV 460-113027/90 05/17/2012 16:15											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	125700		125000	101								
Antimony	1031		1000	103								
Arsenic	2539		2500	102								
Barium	10220		10000	102								
Beryllium	966.0		1000	97								
Cadmium	1287		1250	103								
Calcium	123100		125000	98								
Chromium (total)	5083		5000	102								
Cobalt	2523		2500	101								
Copper	12350		12500	99								
Iron	101000		100000	101								
Lead	7651		7500	102								
Magnesium	125300		125000	100								
Manganese	5094		5000	102								
Nickel	2547		2500	102								
Potassium	49360		50000	99								
Selenium	2489		2500	100								
Silver	1248		1250	100								
Sodium	123500		125000	99								
Thallium	2589		2500	104								
Vanadium	2510		2500	100								
Zinc	2525		2500	101								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

ICV Source: ME_DQCS-INT_00515 Concentration Units: ug/L

CCV Source: ME_DQCS-INT_00515

Analyte	ICV 460-112881/7-A 05/16/2012 19:40				CCV 460-112881/8-A 05/16/2012 20:03				CCV 460-112881/8-A 05/16/2012 20:26			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	816.7		833	98	881.7		833	106	858.3		833	103

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

ICV Source: ME_DQCS-INT_00515 Concentration Units: ug/L

CCV Source: ME_DQCS-INT_00515

Analyte	CCV 460-112881/8-A 05/16/2012 20:38											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	880.0		833	106								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 460-113027/7 05/17/2012 11:16		CCB 460-113027/31 05/17/2012 12:42		CCB 460-113027/43 05/17/2012 13:24		CCB 460-113027/55 05/17/2012 14:07	
		Found	C	Found	C	Found	C	Found	C
Aluminum	200	72.1	U	72.1	U	72.1	U	72.1	U
Antimony	10.0	7.4	U	7.4	U	7.4	U	7.4	U
Arsenic	5.0	3.7	U	3.7	U	3.7	U	3.7	U
Barium	200	5.9	U	5.9	U	5.9	U	5.9	U
Beryllium	2.0	0.78	U	0.78	U	0.78	U	0.78	U
Cadmium	5.0	0.82	U	0.82	U	0.82	U	0.82	U
Calcium	5000	305	U	305	U	305	U	305	U
Chromium (total)	10.0	4.5	U	4.5	U	4.5	U	4.5	U
Cobalt	50.0	4.3	U	4.3	U	4.3	U	4.3	U
Copper	25.0	7.8	U	7.8	U	7.8	U	7.8	U
Iron	150	73.6	U	73.6	U	73.6	U	73.6	U
Lead	5.0	4.0	U	4.0	U	4.0	U	4.0	U
Magnesium	5000	321	U	321	U	321	U	321	U
Manganese	15.0	4.3	U	4.3	U	4.3	U	4.3	U
Nickel	40.0	5.0	U	5.0	U	5.0	U	5.0	U
Potassium	5000	525	U	525	U	525	U	525	U
Selenium	10.0	5.8	U	5.8	U	5.8	U	5.8	U
Silver	10.0	1.3	U	1.3	U	1.3	U	1.3	U
Sodium	5000	821	U	821	U	821	U	821	U
Thallium	10.0	5.2	U	5.2	U	5.2	U	5.2	U
Vanadium	50.0	4.0	U	4.0	U	4.0	U	4.0	U
Zinc	30.0	5.8	U	5.8	U	5.8	U	5.8	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	CCB 460-113027/67 05/17/2012 14:52		CCB 460-113027/79 05/17/2012 15:35		CCB 460-113027/91 05/17/2012 16:18			
		Found	C	Found	C	Found	C	Found	C
Aluminum	200	72.1	U	72.1	U	72.1	U		
Antimony	10.0	7.4	U	7.4	U	7.4	U		
Arsenic	5.0	3.7	U	3.73	J	3.7	U		
Barium	200	5.9	U	5.9	U	5.9	U		
Beryllium	2.0	0.78	U	0.78	U	0.78	U		
Cadmium	5.0	0.82	U	0.82	U	0.82	U		
Calcium	5000	305	U	305	U	305	U		
Chromium (total)	10.0	4.5	U	4.5	U	4.5	U		
Cobalt	50.0	4.3	U	4.3	U	4.3	U		
Copper	25.0	7.8	U	7.8	U	7.8	U		
Iron	150	73.6	U	73.6	U	73.6	U		
Lead	5.0	4.0	U	4.0	U	4.0	U		
Magnesium	5000	321	U	321	U	321	U		
Manganese	15.0	4.3	U	4.3	U	4.3	U		
Nickel	40.0	5.0	U	5.0	U	5.0	U		
Potassium	5000	525	U	525	U	525	U		
Selenium	10.0	5.8	U	5.8	U	5.8	U		
Silver	10.0	1.3	U	1.3	U	1.3	U		
Sodium	5000	821	U	821	U	821	U		
Thallium	10.0	5.2	U	5.2	U	5.2	U		
Vanadium	50.0	4.0	U	4.0	U	4.0	U		
Zinc	30.0	5.8	U	5.8	U	5.8	U		

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 460-112895/8 05/16/2012 19:41		CCB 460-112895/20 05/16/2012 20:05		CCB 460-112895/32 05/16/2012 20:27		CCB 460-112895/39 05/16/2012 20:41	
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	0.16	U	0.16	U	0.16	U	0.16	U

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Concentration Units: mg/Kg Lab Sample ID: MB 460-112924/1-A ^2

Instrument Code: ICP4 Batch No.: 113027

CAS No.	Analyte	Concentration	C	Q	Method
7429-90-5	Aluminum	9.1	U		6010B
7440-36-0	Antimony	0.62	U		6010B
7440-38-2	Arsenic	0.47	U		6010B
7440-39-3	Barium	0.57	U		6010B
7440-41-7	Beryllium	0.072	U		6010B
7440-43-9	Cadmium	0.074	U		6010B
7440-70-2	Calcium	35.4	U		6010B
7440-47-3	Chromium (total)	0.43	U		6010B
7440-48-4	Cobalt	0.43	U		6010B
7440-50-8	Copper	0.97	U		6010B
7439-89-6	Iron	6.1	U		6010B
7439-92-1	Lead	0.43	U		6010B
7439-95-4	Magnesium	36.0	U		6010B
7439-96-5	Manganese	0.44	U		6010B
7440-02-0	Nickel	0.44	U		6010B
7440-09-7	Potassium	53.5	U		6010B
7782-49-2	Selenium	0.66	U		6010B
7440-22-4	Silver	0.10	U		6010B
7440-23-5	Sodium	79.0	U		6010B
7440-28-0	Thallium	0.57	U		6010B
7440-62-2	Vanadium	0.38	U		6010B
7440-66-6	Zinc	0.54	U		6010B

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Concentration Units: mg/Kg Lab Sample ID: MB 460-112881/10-A

Instrument Code: LEEMAN3 Batch No.: 112895

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	0.022	U		7471A

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Lab Sample ID: ICSA 460-113027/8 Instrument ID: ICP4

Lab File ID: 05172012.asc ICS Source: ME_ICSA_Duo_00038

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Aluminum	**500000**	**499800**	**100**
Antimony		**1.94**	
Arsenic		**1.14**	
Barium		**2.14**	
Beryllium		**0.0036**	
Cadmium		**0.325**	
Calcium	**500000**	**475200**	**95**
Chromium (total)		**0.444**	
Cobalt		**-0.396**	
Copper		**-2.33**	
Iron	**200000**	**195700**	**98**
Lead		**-0.359**	
Magnesium	**500000**	**503800**	**101**
Manganese		**-1.96**	
Nickel		**-2.22**	
Potassium		**-230**	
Selenium		**5.10**	
Silver		**-0.119**	
Sodium		**-34.8**	
Thallium		**-0.784**	
Vanadium		**-4.16**	
Zinc		**-1.24**	
Boron		*3.40*	
Molybdenum		*-0.920*	
Strontium		*-0.168*	
Tin		*0.663*	
Titanium		*-0.730*	

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

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Lab Sample ID: ICSAB 460-113027/9 Instrument ID: ICP4

Lab File ID: 05172012.asc ICS Source: ME_ICSAB_DUO_00036

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Found Percent Recovery
Aluminum	**500000**	**508100**	**102**
Antimony	**100**	**98.0**	**98**
Arsenic	**100**	**103**	**103**
Barium	**100**	**101**	**101**
Beryllium	**100**	**100**	**100**
Cadmium	**100**	**98.6**	**99**
Calcium	**500000**	**481000**	**96**
Chromium (total)	**100**	**100**	**100**
Cobalt	**100**	**97.3**	**97**
Copper	**100**	**96.1**	**96**
Iron	**200000**	**199100**	**100**
Lead	**100**	**95.8**	**96**
Magnesium	**500000**	**511800**	**102**
Manganese	**100**	**101**	**101**
Nickel	**100**	**93.6**	**94**
Potassium	**10000**	**10160**	**102**
Selenium	**100**	**103**	**103**
Silver	**100**	**103**	**103**
Sodium	**10000**	**10310**	**103**
Thallium	**100**	**96.8**	**97**
Vanadium	**100**	**96.3**	**96**
Zinc	**100**	**94.6**	**95**
Boron	*100*	*95.5*	*96*
Molybdenum	*100*	*96.2*	*96*
Strontium	*100*	*93.4*	*93*
Tin	*100*	*86.1*	*86*
Titanium	*100*	*100*	*100*

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

FORM IVA-IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: DB-5 49.5-50' MS
Lab ID: 460-40258-9 MS
Lab Name: TestAmerica Edison
Job No.: 460-40258-1
SDG No.:
Matrix: Solid
Concentration Units: mg/Kg
% Solids: 90.2

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	4966		3580		211	656	75-125	4	6010B
Antimony	37.07		1.3	U	52.8	70	75-125	F	6010B
Arsenic	198.6		1.8		211	93	75-125		6010B
Barium	269.3		48.2		211	105	75-125		6010B
Beryllium	5.17		0.21	J	5.28	94	75-125		6010B
Cadmium	5.27		0.16	U	5.28	100	75-125		6010B
Calcium	5496		5560		2110	-3	75-125	F	6010B
Chromium (total)	34.11		11.6		21.1	107	75-125		6010B
Cobalt	57.47		5.1	J	52.8	99	75-125		6010B
Copper	39.75		14.1		26.4	97	75-125		6010B
Iron	16790		15100		106	1557	75-125	4	6010B
Lead	58.17		4.9		52.8	101	75-125		6010B
Magnesium	4902		3110		2110	85	75-125		6010B
Manganese	361.4		321		52.8	77	75-125	4	6010B
Nickel	66.07		11.9		52.8	103	75-125		6010B
Potassium	2873		839	J	2110	96	75-125		6010B
Selenium	193.0		1.4	U	211	91	75-125		6010B
Silver	5.20		0.21	U	5.28	99	75-125		6010B
Sodium	2180		171	J	2110	95	75-125		6010B
Thallium	218.8		1.2	U	211	104	75-125		6010B
Vanadium	74.05		20.4		52.8	102	75-125		6010B
Zinc	78.04		26.2		52.8	98	75-125		6010B

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VA - IN

5B-IN
POST DIGESTION SPIKE SAMPLE RECOVERY
METALS

Client ID: DB-5 49.5-50' PDS | Lab ID: 460-40258-9 PDS

Lab Name: TestAmerica Edison | Job No.: 460-40258-1

SDG No.:

Matrix: Solid | Concentration Units: mg/Kg

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	3986		3580		426	95	75-125		6010B
Antimony	90.86		1.3	U	107	85	75-125		6010B
Arsenic	394.1		1.8		426	92	75-125		6010B
Barium	461.7		48.2		426	97	75-125		6010B
Beryllium	10.06		0.21	J	10.7	92	75-125		6010B
Cadmium	10.40		0.16	U	10.7	97	75-125		6010B
Calcium	9489		5560		4260	92	75-125		6010B
Chromium (total)	52.88		11.6		42.6	97	75-125		6010B
Cobalt	108.1		5.1	J	107	97	75-125		6010B
Copper	62.44		14.1		53.3	91	75-125		6010B
Iron	15350		15100		213	NC	75-125		6010B
Lead	109.0		4.9		107	98	75-125		6010B
Magnesium	6967		3110		4260	90	75-125		6010B
Manganese	423.1		321		107	96	75-125		6010B
Nickel	116.0		11.9		107	98	75-125		6010B
Potassium	4674		839	J	4260	90	75-125		6010B
Selenium	384.3		1.4	U	426	90	75-125		6010B
Silver	9.82		0.21	U	10.7	92	75-125		6010B
Sodium	4054		171	J	4260	91	75-125		6010B
Thallium	430.3		1.2	U	426	101	75-125		6010B
Vanadium	120.9		20.4		107	94	75-125		6010B
Zinc	126.5		26.2		107	94	75-125		6010B

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VB - IN

6-IN
DUPLICATES
METALS

Client ID: DB-5 49.5-50' DU | Lab ID: 460-40258-9 DU

Lab Name: TestAmerica Edison | Job No.: 460-40258-1

SDG No.:

% Solids for Sample: 90.2 | % Solids for Duplicate: 90.2

Matrix: Solid | Concentration Units: mg/Kg

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Arsenic	1.0	1.8		2.10		15		6010B
Barium	41.1	48.2		44.58		8		6010B
Beryllium	0.41	0.21	J	0.175	J	20		6010B
Cadmium	1.0	0.16	U	0.15	U	NC		6010B
Chromium (total)	2.1	11.6		11.60		0.3		6010B
Cobalt	10.3	5.1	J	4.87	J	4		6010B
Copper	5.1	14.1		11.85		17		6010B
Iron	30.8	15100		13840		9		6010B
Lead	1.0	4.9		4.59		6		6010B
Manganese	3.1	321		261.6		20		6010B
Nickel	8.2	11.9		13.77		15		6010B
Selenium	2.1	1.4	U	1.4	U	NC		6010B
Silver	2.1	0.21	U	0.21	U	NC		6010B
Vanadium	10.3	20.4		16.95		18		6010B
Zinc	6.2	26.2		24.83		5		6010B

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

FORM VI-IN

7A-IN
LCS-CERTIFIED REFERENCE MATERIAL
METALS

Lab ID: LCSSRM 460-112924/2-A ^4

Lab Name: TestAmerica Edison Job No.: 460-40258-1

Sample Matrix: Solid LCS Source: ME_LCSS_75_00002

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Aluminum	10100	7084		70	45	154		6010B
Antimony	113	186.4		165	20	253		6010B
Arsenic	237	233.6		99	71	129		6010B
Barium	252	256.0		102	74	126		6010B
Beryllium	93.3	92.18		99	74	125		6010B
Cadmium	191	200.0		105	73	126		6010B
Calcium	6840	6774		99	74	125		6010B
Chromium (total)	128	132.4		103	70	129		6010B
Cobalt	178	191.0		107	74	125		6010B
Copper	123	122.8		100	75	125		6010B
Iron	13100	12730		97	33	167		6010B
Lead	103	106.9		104	71	128		6010B
Magnesium	2990	2698		90	66	134		6010B
Manganese	333	350.6		105	75	124		6010B
Nickel	118	127.1		108	73	127		6010B
Potassium	2870	2416		84	62	137		6010B
Selenium	110	107.0		97	66	134		6010B
Silver	47.3	46.62		99	66	133		6010B
Sodium	550	523.6	J	95	52	147		6010B
Thallium	158	175.6		111	68	131		6010B
Vanadium	119	119.9		101	68	131		6010B
Zinc	183	183.4		100	69	130		6010B

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

FORM VIIA - IN

7A-IN
LCS-CERTIFIED REFERENCE MATERIAL
METALS

Lab ID: LCSSRM 460-112881/11-A ^10

Lab Name: TestAmerica Edison Job No.: 460-40258-1

Sample Matrix: Solid LCS Source: ME_LCSS_75_00002

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Mercury	12.4	12.32		99	51	148		7471A

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

FORM VIIA - IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS

Lab ID: 460-40258-9

SDG No:

Lab Name: TestAmerica Edison Job No: 460-40258-1

Matrix: Solid Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Aluminum	3580		3620		1.1		6010B
Antimony	1.3	U	6.6	U	NC		6010B
Arsenic	1.8		5.0	U	NC		6010B
Barium	48.2		48.63	J	NC		6010B
Beryllium	0.21	J	0.77	U	NC		6010B
Cadmium	0.16	U	0.79	U	NC		6010B
Calcium	5560		5652		1.6		6010B
Chromium (total)	11.6		11.72		NC		6010B
Cobalt	5.1	J	5.47	J	NC		6010B
Copper	14.1		13.31	J	NC		6010B
Iron	15100		15410		1.7		6010B
Lead	4.9		4.75	J	NC		6010B
Magnesium	3110		3182	J	NC		6010B
Manganese	321		325.0		1.3		6010B
Nickel	11.9		12.47	J	NC		6010B
Potassium	839	J	822.4	J	NC		6010B
Selenium	1.4	U	7.0	U	NC		6010B
Silver	0.21	U	1.1	U	NC		6010B
Sodium	171	J	842	U	NC		6010B
Thallium	1.2	U	6.0	U	NC		6010B
Vanadium	20.4		20.34	J	NC		6010B
Zinc	26.2		27.05	J	NC		6010B

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

FORM VIII-IN

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Edison Job Number: 460-40258-1

SDG Number:

Matrix: Solid Instrument ID: ICP4

Method: 6010B MDL Date: 02/08/2012 17:17

Prep Method: 3050B

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Arsenic		1	0.94
Barium		40	1.14
Beryllium		0.4	0.144
Cadmium		1	0.148
Chromium (total)		2	0.86
Cobalt		10	0.852
Copper		5	1.94
Iron		30	12.1
Lead		1	0.86
Manganese		3	0.88
Nickel		8	0.88
Selenium		2	1.32
Silver		2	0.2
Vanadium		10	0.768
Zinc		6	1.08

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Edison Job Number: 460-40258-1

SDG Number:

Matrix: Solid Instrument ID: ICP4

Method: 6010B XMDL Date: 11/14/2011 14:14

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Arsenic		5	3.729
Barium		200	5.944
Beryllium		2	0.776
Cadmium		5	0.818
Chromium (total)		10	4.46
Cobalt		50	4.272
Copper		25	7.838
Iron		150	73.6
Lead		5	4.012
Manganese		15	4.303
Nickel		40	4.981
Selenium		10	5.758
Silver		10	1.339
Vanadium		50	4.044
Zinc		30	5.849

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Edison Job Number: 460-40258-1

SDG Number:

Matrix: Solid Instrument ID: LEEMAN3

Method: 7471A MDL Date: 03/23/2011 11:28

Prep Method: 7471A

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Mercury		0.033	0.022

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Edison Job Number: 460-40258-1

SDG Number:

Matrix: Solid Instrument ID: LEEMAN3

Method: 7471A XMDL Date: 11/14/2011 14:17

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Mercury		0.2	0.16

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Edison Job No: 460-40258-1

SDG No.:

Instrument ID: ICP4 Date: 01/05/2012 09:24

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Arsenic		20000	6010B
Barium		80000	6010B
Beryllium		8000	6010B
Cadmium		10000	6010B
Chromium (total)		40000	6010B
Cobalt		20000	6010B
Copper		100000	6010B
Iron		800000	6010B
Lead		60000	6010B
Manganese		40000	6010B
Nickel		20000	6010B
Selenium		20000	6010B
Silver		10000	6010B
Vanadium		20000	6010B
Zinc		20000	6010B

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Prep Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 460-112924/1-A ^2	05/17/2012 07:01	112924	1.00		50
LCSSRM 460-112924/2-A ^4	05/17/2012 07:01	112924	1.00		50
460-40258-9	05/17/2012 07:01	112924	1.04		50
460-40258-9 DU	05/17/2012 07:01	112924	1.08		50
460-40258-9 MS	05/17/2012 07:01	112924	1.05		50
460-40258-1	05/17/2012 07:01	112924	1.09		50
460-40258-2	05/17/2012 07:01	112924	1.06		50
460-40258-3	05/17/2012 07:01	112924	1.12		50
460-40258-4	05/17/2012 07:01	112924	1.02		50
460-40258-5	05/17/2012 07:01	112924	1.03		50
460-40258-6	05/17/2012 07:01	112924	1.06		50
460-40258-7	05/17/2012 07:01	112924	1.03		50
460-40258-8	05/17/2012 07:01	112924	1.11		50
460-40258-10	05/17/2012 07:01	112924	1.00		50
460-40258-11	05/17/2012 07:01	112924	1.03		50
460-40258-13	05/17/2012 07:01	112924	1.09		50

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Prep Method: 7471A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 460-112881/10-A	05/16/2012 17:00	112881	0.60		100
LCSSRM 460-112881/11-A ^10	05/16/2012 17:00	112881	0.60		100
460-40258-1	05/16/2012 17:00	112881	0.62		100
460-40258-2	05/16/2012 17:00	112881	0.60		100
460-40258-3	05/16/2012 17:00	112881	0.64		100
460-40258-4	05/16/2012 17:00	112881	0.67		100
460-40258-5	05/16/2012 17:00	112881	0.62		100
460-40258-6	05/16/2012 17:00	112881	0.66		100
460-40258-7	05/16/2012 17:00	112881	0.63		100
460-40258-8	05/16/2012 17:00	112881	0.61		100
460-40258-9	05/16/2012 17:00	112881	0.62		100
460-40258-10	05/16/2012 17:00	112881	0.65		100
460-40258-11	05/16/2012 17:00	112881	0.61		100
460-40258-13	05/16/2012 17:00	112881	0.63		100

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Instrument ID: ICP4 Method: 6010B

Start Date: 05/17/2012 10:55 End Date: 05/17/2012 17:34

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Sb	Se	Tl
ZZZZZZ			10:55																				
ZZZZZZ			10:59																				
ZZZZZZ			11:02																				
ZZZZZZ			11:06																				
ZZZZZZ			11:09																				
ICV 460-113027/6	1		11:13	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICB 460-113027/7	1		11:16	X		X	X	X		X	X	X	X	X			X		X	X		X	
ICSA 460-113027/8	1		11:20	X	X	X	X	X	X	X	X	X	X	X		X	X		X	X		X	
ICSAB 460-113027/9	1		11:24	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			11:27																				
ZZZZZZ			11:31																				
ZZZZZZ			11:35																				
ZZZZZZ			11:38																				
ZZZZZZ			11:42																				
ZZZZZZ			11:45																				
ZZZZZZ			11:49																				
ZZZZZZ			11:52																				
CCV 460-113027/18			11:56																				
CCB 460-113027/19			11:59																				
ZZZZZZ			12:03																				
ZZZZZZ			12:06																				
ZZZZZZ			12:10																				
ZZZZZZ			12:13																				
ZZZZZZ			12:17																				
ZZZZZZ			12:21																				
ZZZZZZ			12:24																				
ZZZZZZ			12:28																				
ZZZZZZ			12:31																				
ZZZZZZ			12:35																				
CCV 460-113027/30	1		12:38	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 460-113027/31	1		12:42	X		X	X	X		X	X	X	X	X			X		X	X		X	
ZZZZZZ			12:45																				
ZZZZZZ			12:49																				
ZZZZZZ			12:52																				
ZZZZZZ			12:56																				
ZZZZZZ			13:00																				
460-40258-9 DU	4	T	13:03	X		X	X	X		X	X	X	X	X			X		X	X		X	
460-40258-9	4	T	13:07	X		X	X	X		X	X	X	X	X			X		X	X		X	
460-40258-9 SD	20	T	13:10	X		X	X	X		X	X	X	X	X			X		X	X		X	
460-40258-9 MS	4	T	13:14	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LCSSRM 460-112924/2-A ^4	4	T	13:18	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Instrument ID: ICP4 Method: 6010B

Start Date: 05/17/2012 10:55 End Date: 05/17/2012 17:34

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Sb	Se	Tl
CCV 460-113027/42	1		13:21	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 460-113027/43	1		13:24	X		X	X	X		X	X	X	X	X			X		X	X		X	
MB 460-112924/1-A ^2	2	T	13:28	X		X	X	X		X	X	X	X	X			X		X	X		X	
460-40258-9 PDS	4	T	13:32	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			13:35																				
ZZZZZZ			13:39																				
ZZZZZZ			13:42																				
ZZZZZZ			13:46																				
ZZZZZZ			13:49																				
ZZZZZZ			13:53																				
ZZZZZZ			13:57																				
ZZZZZZ			14:00																				
CCV 460-113027/54	1		14:04	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 460-113027/55	1		14:07	X		X	X	X		X	X	X	X	X			X		X	X		X	
ZZZZZZ			14:11																				
ZZZZZZ			14:14																				
ZZZZZZ			14:18																				
ZZZZZZ			14:21																				
ZZZZZZ			14:25																				
ZZZZZZ			14:28																				
ZZZZZZ			14:35																				
ZZZZZZ			14:38																				
ZZZZZZ			14:42																				
ZZZZZZ			14:46																				
CCV 460-113027/66	1		14:49	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 460-113027/67	1		14:52	X		X	X	X		X	X	X	X	X			X		X	X		X	
ZZZZZZ			14:56																				
ZZZZZZ			15:00																				
ZZZZZZ			15:04																				
ZZZZZZ			15:07																				
ZZZZZZ			15:10																				
ZZZZZZ			15:14																				
460-40258-1	4	T	15:18	X		X	X	X		X	X	X	X	X			X		X	X		X	
460-40258-2	4	T	15:21	X		X	X	X		X	X	X	X	X			X		X	X		X	
460-40258-3	4	T	15:25	X		X	X	X		X	X	X	X	X			X		X	X		X	
460-40258-4	4	T	15:28	X		X	X	X		X	X	X	X	X			X		X	X		X	
CCV 460-113027/78	1		15:32	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 460-113027/79	1		15:35	X		X	X	X		X	X	X	X	X			X		X	X		X	
460-40258-5	4	T	15:39	X		X	X	X		X	X	X	X	X			X		X	X		X	
460-40258-6	4	T	15:43	X		X	X	X		X	X	X	X	X			X		X	X		X	
460-40258-7	4	T	15:46	X		X	X	X		X	X	X	X	X			X		X	X		X	
460-40258-8	4	T	15:50	X		X	X	X		X	X	X	X	X			X		X	X		X	

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Instrument ID: ICP4 Method: 6010B

Start Date: 05/17/2012 10:55 End Date: 05/17/2012 17:34

Lab Sample ID	D / F	Type	Time	Analytes																				
				Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Sb	Se	Tl
460-40258-10	4	T	15:53	X		X	X	X		X	X	X	X	X			X		X	X		X	
460-40258-11	4	T	15:57	X		X	X	X		X	X	X	X	X			X		X	X		X	
460-40258-13	4	T	16:00	X		X	X	X		X	X	X	X	X			X		X	X		X	
ZZZZZZ			16:04																				
ZZZZZZ			16:08																				
ZZZZZZ			16:11																				
CCV 460-113027/90	1		16:15	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 460-113027/91	1		16:18	X		X	X	X		X	X	X	X	X			X		X	X		X	
ZZZZZZ			16:22																				
ZZZZZZ			16:26																				
ZZZZZZ			16:29																				
ZZZZZZ			16:33																				
ZZZZZZ			16:36																				
ZZZZZZ			16:40																				
ZZZZZZ			16:44																				
ZZZZZZ			16:48																				
ZZZZZZ			16:51																				
ZZZZZZ			16:55																				
CCV 460-113027/102			16:59																				
CCB 460-113027/103			17:02																				
ZZZZZZ			17:06																				
ZZZZZZ			17:09																				
ZZZZZZ			17:13																				
ZZZZZZ			17:16																				
ZZZZZZ			17:20																				
ZZZZZZ			17:23																				
ZZZZZZ			17:27																				
CCV 460-113027/111			17:30																				
CCB 460-113027/112			17:34																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Instrument ID: ICP4 Method: 6010B

Start Date: 05/17/2012 10:55 End Date: 05/17/2012 17:34

Lab Sample ID	D / F	Type	Time	Analytes																			
				V	Zn																		
ZZZZZZ			10:55																				
ZZZZZZ			10:59																				
ZZZZZZ			11:02																				
ZZZZZZ			11:06																				
ZZZZZZ			11:09																				
ICV 460-113027/6	1		11:13	X	X																		
ICB 460-113027/7	1		11:16	X	X																		
ICSA 460-113027/8	1		11:20	X	X																		
ICSAB 460-113027/9	1		11:24	X	X																		
ZZZZZZ			11:27																				
ZZZZZZ			11:31																				
ZZZZZZ			11:35																				
ZZZZZZ			11:38																				
ZZZZZZ			11:42																				
ZZZZZZ			11:45																				
ZZZZZZ			11:49																				
ZZZZZZ			11:52																				
CCV 460-113027/18			11:56																				
CCB 460-113027/19			11:59																				
ZZZZZZ			12:03																				
ZZZZZZ			12:06																				
ZZZZZZ			12:10																				
ZZZZZZ			12:13																				
ZZZZZZ			12:17																				
ZZZZZZ			12:21																				
ZZZZZZ			12:24																				
ZZZZZZ			12:28																				
ZZZZZZ			12:31																				
ZZZZZZ			12:35																				
CCV 460-113027/30	1		12:38	X	X																		
CCB 460-113027/31	1		12:42	X	X																		
ZZZZZZ			12:45																				
ZZZZZZ			12:49																				
ZZZZZZ			12:52																				
ZZZZZZ			12:56																				
ZZZZZZ			13:00																				
460-40258-9 DU	4	T	13:03	X	X																		
460-40258-9	4	T	13:07	X	X																		
460-40258-9 SD	20	T	13:10	X	X																		
460-40258-9 MS	4	T	13:14	X	X																		
LCSSRM 460-112924/2-A ^4	4	T	13:18	X	X																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Instrument ID: ICP4 Method: 6010B

Start Date: 05/17/2012 10:55 End Date: 05/17/2012 17:34

Lab Sample ID	D / F	Type	Time	Analytes																			
				V	Zn																		
CCV 460-113027/42	1		13:21	X	X																		
CCB 460-113027/43	1		13:24	X	X																		
MB 460-112924/1-A ^2	2	T	13:28	X	X																		
460-40258-9 PDS	4	T	13:32	X	X																		
ZZZZZZ			13:35																				
ZZZZZZ			13:39																				
ZZZZZZ			13:42																				
ZZZZZZ			13:46																				
ZZZZZZ			13:49																				
ZZZZZZ			13:53																				
ZZZZZZ			13:57																				
ZZZZZZ			14:00																				
CCV 460-113027/54	1		14:04	X	X																		
CCB 460-113027/55	1		14:07	X	X																		
ZZZZZZ			14:11																				
ZZZZZZ			14:14																				
ZZZZZZ			14:18																				
ZZZZZZ			14:21																				
ZZZZZZ			14:25																				
ZZZZZZ			14:28																				
ZZZZZZ			14:35																				
ZZZZZZ			14:38																				
ZZZZZZ			14:42																				
ZZZZZZ			14:46																				
CCV 460-113027/66	1		14:49	X	X																		
CCB 460-113027/67	1		14:52	X	X																		
ZZZZZZ			14:56																				
ZZZZZZ			15:00																				
ZZZZZZ			15:04																				
ZZZZZZ			15:07																				
ZZZZZZ			15:10																				
ZZZZZZ			15:14																				
460-40258-1	4	T	15:18	X	X																		
460-40258-2	4	T	15:21	X	X																		
460-40258-3	4	T	15:25	X	X																		
460-40258-4	4	T	15:28	X	X																		
CCV 460-113027/78	1		15:32	X	X																		
CCB 460-113027/79	1		15:35	X	X																		
460-40258-5	4	T	15:39	X	X																		
460-40258-6	4	T	15:43	X	X																		
460-40258-7	4	T	15:46	X	X																		
460-40258-8	4	T	15:50	X	X																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Instrument ID: ICP4 Method: 6010B

Start Date: 05/17/2012 10:55 End Date: 05/17/2012 17:34

Lab Sample ID	D / F	Type	Time	Analytes																			
				V	Zn																		
460-40258-10	4	T	15:53	X	X																		
460-40258-11	4	T	15:57	X	X																		
460-40258-13	4	T	16:00	X	X																		
ZZZZZZ			16:04																				
ZZZZZZ			16:08																				
ZZZZZZ			16:11																				
CCV 460-113027/90	1		16:15	X	X																		
CCB 460-113027/91	1		16:18	X	X																		
ZZZZZZ			16:22																				
ZZZZZZ			16:26																				
ZZZZZZ			16:29																				
ZZZZZZ			16:33																				
ZZZZZZ			16:36																				
ZZZZZZ			16:40																				
ZZZZZZ			16:44																				
ZZZZZZ			16:48																				
ZZZZZZ			16:51																				
ZZZZZZ			16:55																				
CCV 460-113027/102			16:59																				
CCB 460-113027/103			17:02																				
ZZZZZZ			17:06																				
ZZZZZZ			17:09																				
ZZZZZZ			17:13																				
ZZZZZZ			17:16																				
ZZZZZZ			17:20																				
ZZZZZZ			17:23																				
ZZZZZZ			17:27																				
CCV 460-113027/111			17:30																				
CCB 460-113027/112			17:34																				

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Instrument ID: LEEMAN3 Method: 7471A

Start Date: 05/16/2012 19:28 End Date: 05/16/2012 21:40

Lab Sample ID	D / F	Type	Time	Analytes																			
				Hg																			
IC 460-112881/1-A			19:28	X																			
IC 460-112881/2-A			19:30	X																			
IC 460-112881/3-A			19:32	X																			
IC 460-112881/4-A			19:34	X																			
IC 460-112881/5-A			19:36	X																			
IC 460-112881/6-A			19:38	X																			
ICV 460-112881/7-A	1		19:40	X																			
ICB 460-112895/8	1		19:41	X																			
MB 460-112881/10-A	1	T	19:44	X																			
LCSSRM 460-112881/11-A ^10	10	T	19:45	X																			
ZZZZZZ			19:47																				
ZZZZZZ			19:49																				
ZZZZZZ			19:52																				
ZZZZZZ			19:54																				
ZZZZZZ			19:56																				
ZZZZZZ			19:57																				
460-40258-1	1	T	19:59	X																			
460-40258-2	1	T	20:01	X																			
CCV 460-112881/8-A	1		20:03	X																			
CCB 460-112895/20	1		20:05	X																			
460-40258-3	1	T	20:07	X																			
460-40258-4	1	T	20:08	X																			
460-40258-5	1	T	20:10	X																			
460-40258-6	1	T	20:12	X																			
460-40258-7	1	T	20:14	X																			
460-40258-8	1	T	20:16	X																			
460-40258-9	1	T	20:18	X																			
460-40258-10	1	T	20:20	X																			
460-40258-11	1	T	20:22	X																			
460-40258-13	1	T	20:24	X																			
CCV 460-112881/8-A	1		20:26	X																			
CCB 460-112895/32	1		20:27	X																			
ZZZZZZ			20:29																				
ZZZZZZ			20:31																				
ZZZZZZ			20:33																				
ZZZZZZ			20:35																				
ZZZZZZ			20:37																				
CCV 460-112881/8-A	1		20:38	X																			
CCB 460-112895/39	1		20:41	X																			
ZZZZZZ			20:43																				
ZZZZZZ			20:45																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

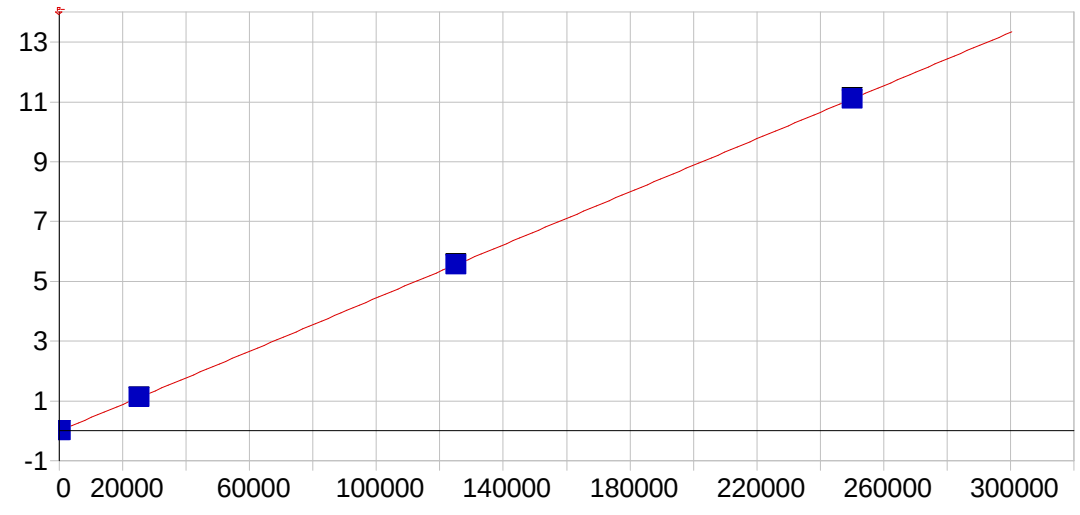
Instrument ID: LEEMAN3 Method: 7471A

Start Date: 05/16/2012 19:28 End Date: 05/16/2012 21:40

Lab Sample ID	D / F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ			20:47																				
ZZZZZZ			20:49																				
ZZZZZZ			20:51																				
ZZZZZZ			20:53																				
ZZZZZZ			20:55																				
ZZZZZZ			20:56																				
ZZZZZZ			20:58																				
ZZZZZZ			21:00																				
CCV 460-112881/8-A			21:02																				
CCB 460-112895/51			21:04																				
ZZZZZZ			21:05																				
ZZZZZZ			21:07																				
ZZZZZZ			21:09																				
ZZZZZZ			21:11																				
ZZZZZZ			21:13																				
ZZZZZZ			21:15																				
ZZZZZZ			21:17																				
ZZZZZZ			21:20																				
ZZZZZZ			21:21																				
ZZZZZZ			21:24																				
CCV 460-112881/8-A			21:25																				
CCB 460-112895/63			21:27																				
ZZZZZZ			21:29																				
ZZZZZZ			21:31																				
ZZZZZZ			21:33																				
ZZZZZZ			21:35																				
ZZZZZZ			21:37																				
CCV 460-112881/8-A			21:38																				
CCB 460-112895/70			21:40																				

Prep Types

T = Total/NA

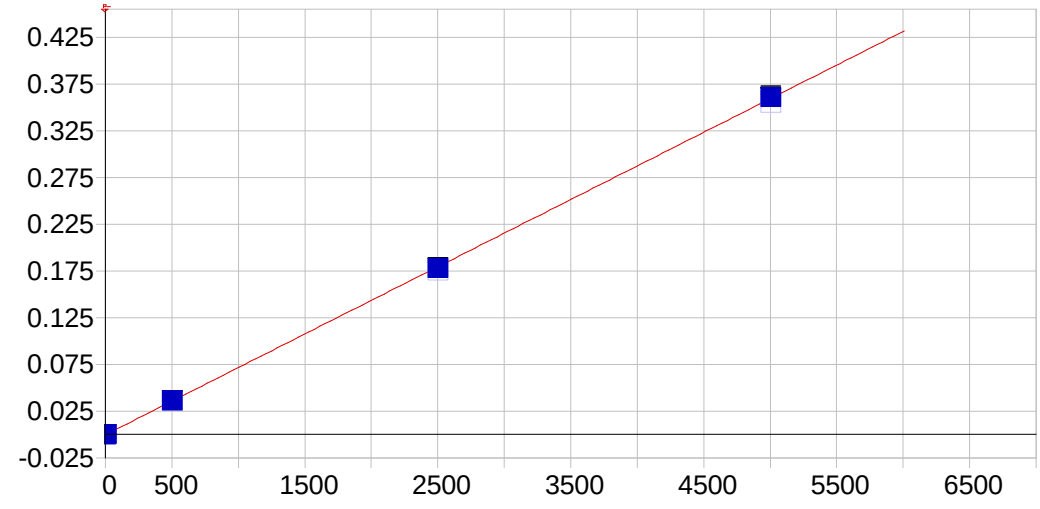


Al 396.152 { 85}

Date of Fit:	5/17/2012 11:13:02	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000687	Re-Slope:	1.000000
A1 (Gain):	0.000044	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999999	Status:	OK.
Std Error of Est:	0.000021		
Predicted MDL:	22.076708		
Predicted MQL:	73.589025		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00205	-.002	.000	-.00069	.000	1
DCAL1	200.00	201.70	1.70	.850	.00825	.000	1
DCAL2	25000.	25024.	24.1	.096	1.1115	.004	1
DCAL3	125000.	125220.	224.	.179	5.5649	.019	1
DCAL4	250000.	249750.	-250.	-.100	11.099	.043	1



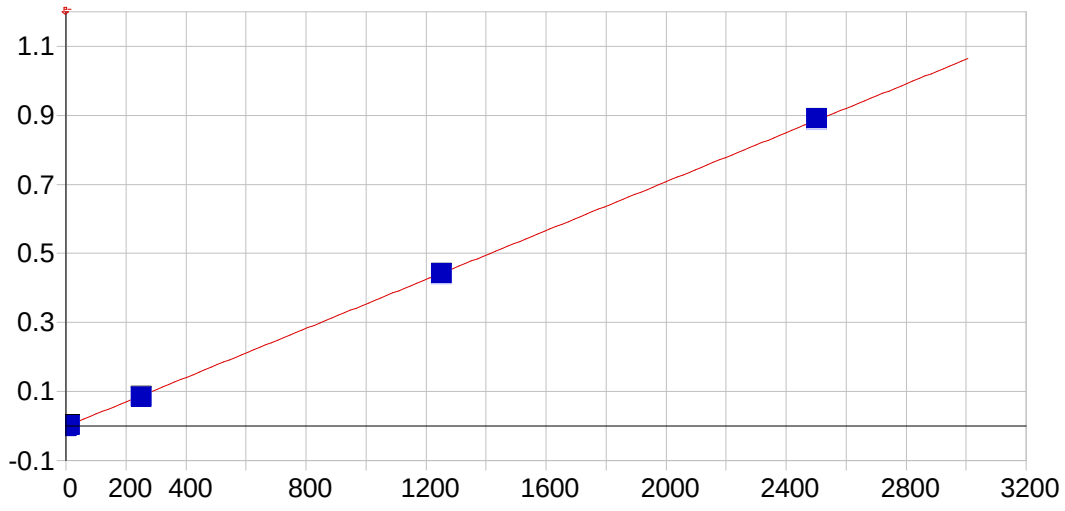
As 189.042 {478}

Date of Fit:	5/17/2012 11:13:02	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000210	Re-Slope:	1.000000
A1 (Gain):	0.000072	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999817	Status:	OK.
Std Error of Est:	0.000011		

Predicted MDL:	2.720929
Predicted MQL:	9.069762

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00352	-.004	.000	-.00021	.000	1
DCAL1	5.0000	8.5169	3.52	70.3	.00040	.000	1
DCAL2	500.00	503.71	3.71	.742	.03540	.000	1
DCAL3	2500.0	2474.5	-25.5	-1.02	.17469	.001	1
DCAL4	5000.0	5018.2	18.2	.365	.35456	.001	1

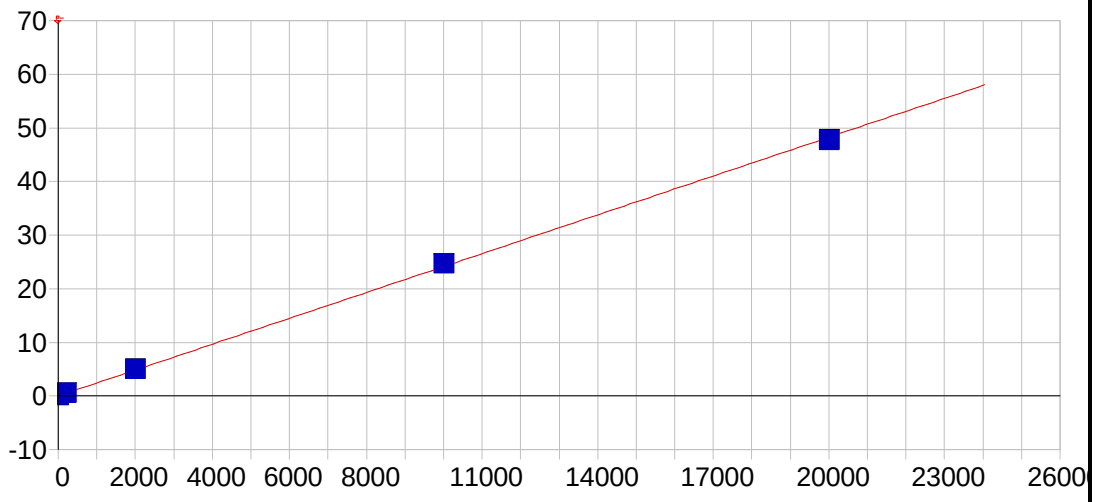


Ag 328.068 {103}

Date of Fit:	5/17/2012 11:13:02	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000914	Re-Slope:	1.000000
A1 (Gain):	0.000354	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999935	Status:	OK.
Std Error of Est:	0.000033		
Predicted MDL:	0.818228		
Predicted MQL:	2.727426		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00038	.000	.000	-.00091	.000	1
DCAL1	10.000	10.750	.750	7.50	.00289	.000	1
DCAL2	250.00	240.23	-9.77	-3.91	.08376	.000	1
DCAL3	1250.0	1246.4	-3.65	-.292	.43847	.001	1
DCAL4	2500.0	2512.7	12.7	.506	.88492	.001	1

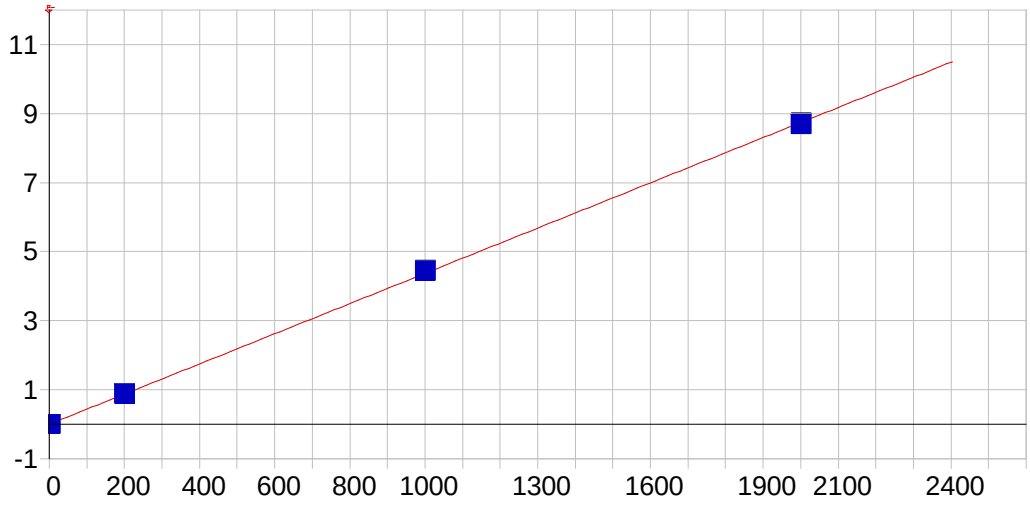


Ba 233.527 {445}

Date of Fit:	5/17/2012 11:13:02	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000070	Re-Slope:	1.000000
A1 (Gain):	0.002413	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999868	Status:	OK.
Std Error of Est:	0.004057		
Predicted MDL:	0.160707		
Predicted MQL:	0.535690		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.01658	-.017	.000	-.00011	.000	1
DCAL1	200.00	210.75	10.8	5.38	.50825	.001	1
DCAL2	2000.0	2044.2	44.2	2.21	4.9260	.029	1
DCAL3	10000.	10195.	195.	1.95	24.567	.082	1
DCAL4	20000.	19750.	-250.	-1.25	47.590	.192	1



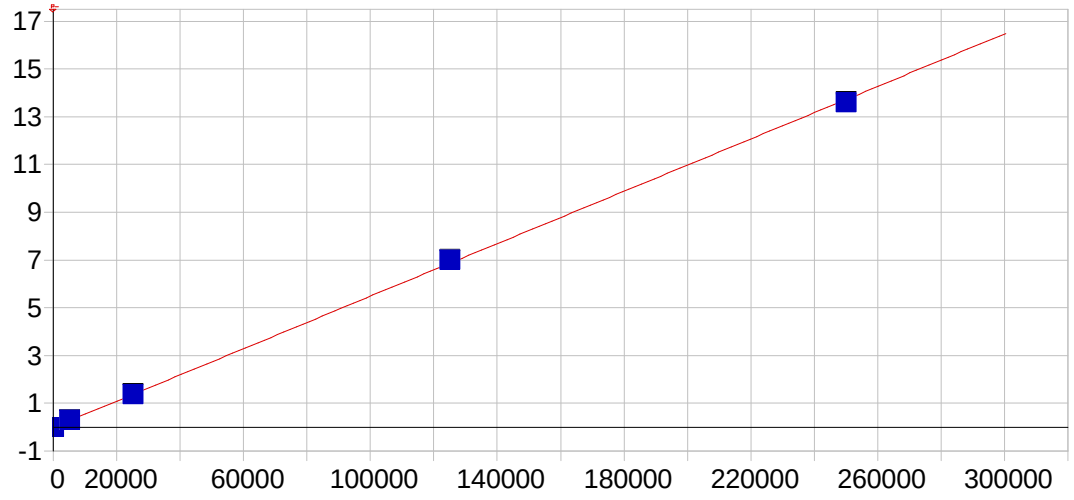
Be 313.042 {108}

Date of Fit:	5/17/2012 11:13:02	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000570	Re-Slope:	1.000000
A1 (Gain):	0.004371	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999959	Status:	OK.
Std Error of Est:	0.000129		
Predicted MDL:	0.160281		

Predicted MQL: 0.534269

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.00007	.000	.000	.00057	.001	1
DCAL1	2.0000	1.9098	-.090	-4.51	.00897	.001	1
DCAL2	200.00	200.43	.425	.213	.87790	.003	1
DCAL3	1000.0	1013.0	13.0	1.30	4.4346	.012	1
DCAL4	2000.0	1986.7	-13.3	-.665	8.6971	.019	1

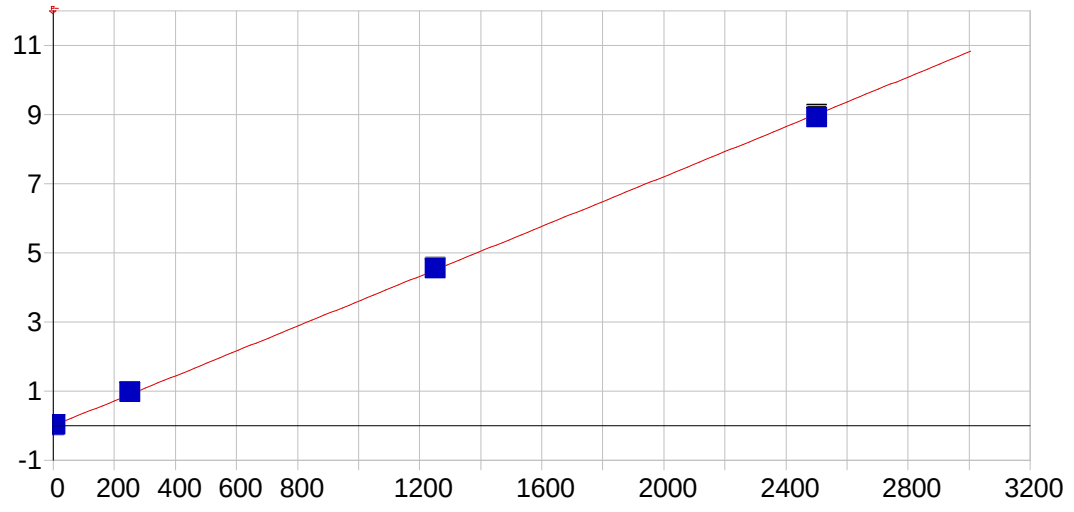


Ca 422.673 { 80}

Date of Fit: 5/17/2012 11:13:02 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset):	-0.007407	Re-Slope:	1.000000
A1 (Gain):	0.000055	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999904	Status:	OK.
Std Error of Est:	0.001397		
Predicted MDL:	18.754386		
Predicted MQL:	62.514620		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.26982	-.270	.000	-.00742	.001	1
DCAL1	5000.0	5214.8	215.	4.30	.27901	.001	1
DCAL2	25000.	25075.	75.4	.302	1.3698	.005	1
DCAL3	125000.	127280.	2280.	1.83	6.9835	.020	1
DCAL4	250000.	247430.	-2570.	-1.03	13.582	.041	1

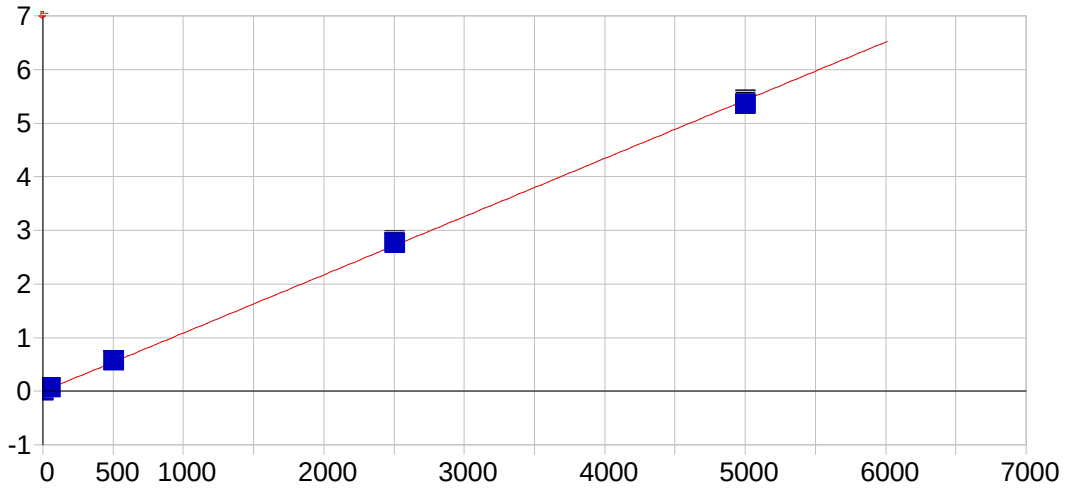


Cd 226.502 {449}

Date of Fit:	5/17/2012 11:13:02	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000382	Re-Slope:	1.000000
A1 (Gain):	0.003603	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999817	Status:	OK.
Std Error of Est:	0.000358		
Predicted MDL:	0.126614		
Predicted MQL:	0.422047		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00047	.000	.000	-.00038	.000	1
DCAL1	4.0000	4.2137	.214	5.34	.01484	.000	1
DCAL2	250.00	266.88	16.9	6.75	.96662	.005	1
DCAL3	1250.0	1258.8	8.80	.704	4.5624	.019	1
DCAL4	2500.0	2474.1	-25.9	-1.04	8.9684	.030	1

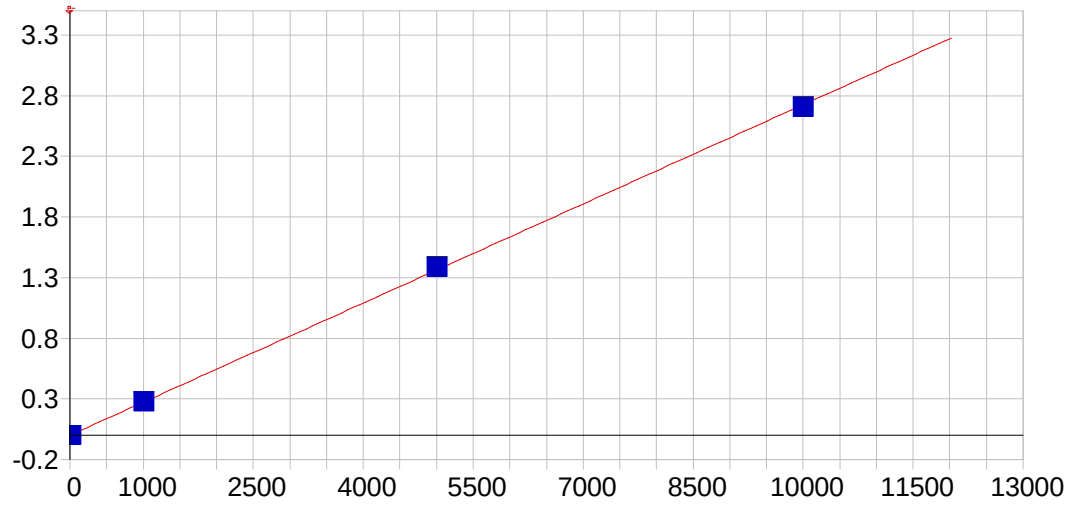


Co 228.616 {447}

Date of Fit:	5/17/2012 11:13:02	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000852	Re-Slope:	1.000000
A1 (Gain):	0.001085	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999842	Status:	OK.
Std Error of Est:	0.000504		
Predicted MDL:	0.360543		
Predicted MQL:	1.201811		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00586	-.006	.000	-.00086	.000	1
DCAL1	50.000	53.933	3.93	7.87	.05769	.000	1
DCAL2	500.00	516.78	16.8	3.36	.56475	.003	1
DCAL3	2500.0	2545.8	45.8	1.83	2.7857	.013	1
DCAL4	5000.0	4933.6	-66.4	-1.33	5.4009	.021	1

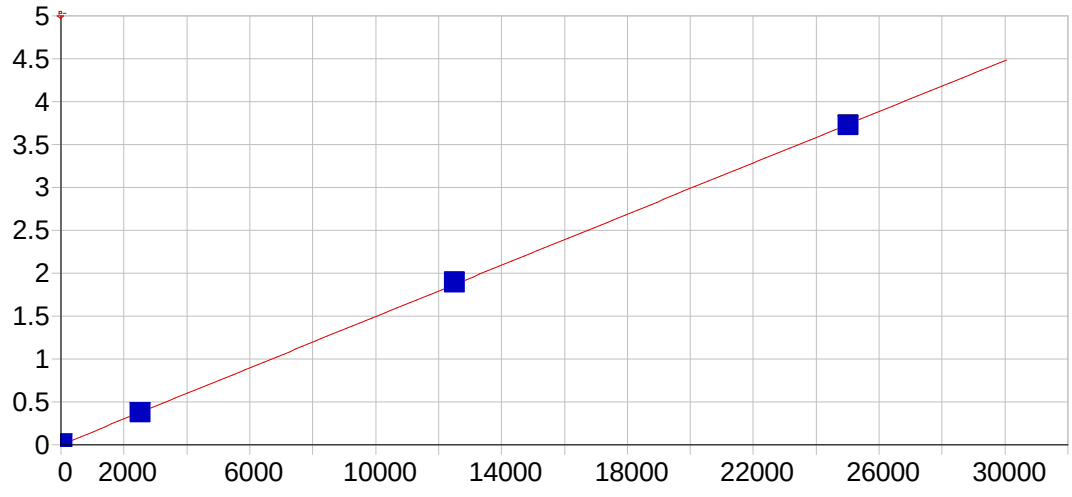


Cr 267.716 {126}

Date of Fit:	5/17/2012 11:13:02	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000003	Re-Slope:	1.000000
A1 (Gain):	0.000273	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999941	Status:	OK.
Std Error of Est:	0.000048		
Predicted MDL:	0.536147		
Predicted MQL:	1.787156		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00038	.000	.000	.00000	.000	1
DCAL1	10.000	10.232	.232	2.32	.00281	.000	1
DCAL2	1000.0	1007.9	7.88	.788	.27474	.002	1
DCAL3	5000.0	5075.2	75.2	1.50	1.3834	.006	1
DCAL4	10000.	9916.7	-83.3	-.833	2.7032	.006	1



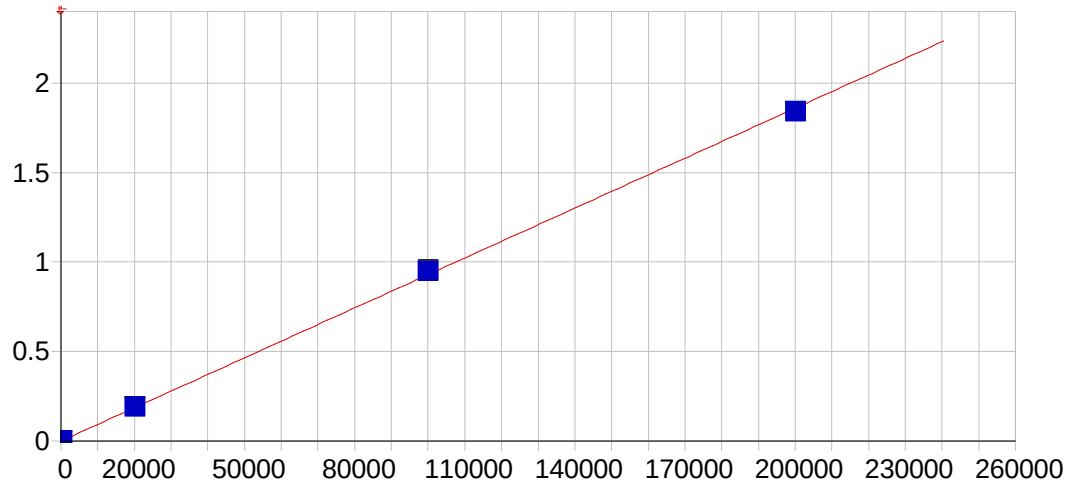
Cu 324.754 {104}

Date of Fit:	5/17/2012 11:13:02	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.001916	Re-Slope:	1.000000
A1 (Gain):	0.000149	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999980	Status:	OK.
Std Error of Est:	0.000038		
Predicted MDL:	4.798182		

Predicted MQL: 15.993940

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00058	-.001	.000	.00192	.001	1
DCAL1	25.000	25.665	.665	2.66	.00574	.001	1
DCAL2	2500.0	2478.0	-22.0	-.878	.37126	.002	1
DCAL3	12500.	12613.	113.	.901	1.8818	.010	1
DCAL4	25000.	24909.	-91.4	-.365	3.7144	.005	1

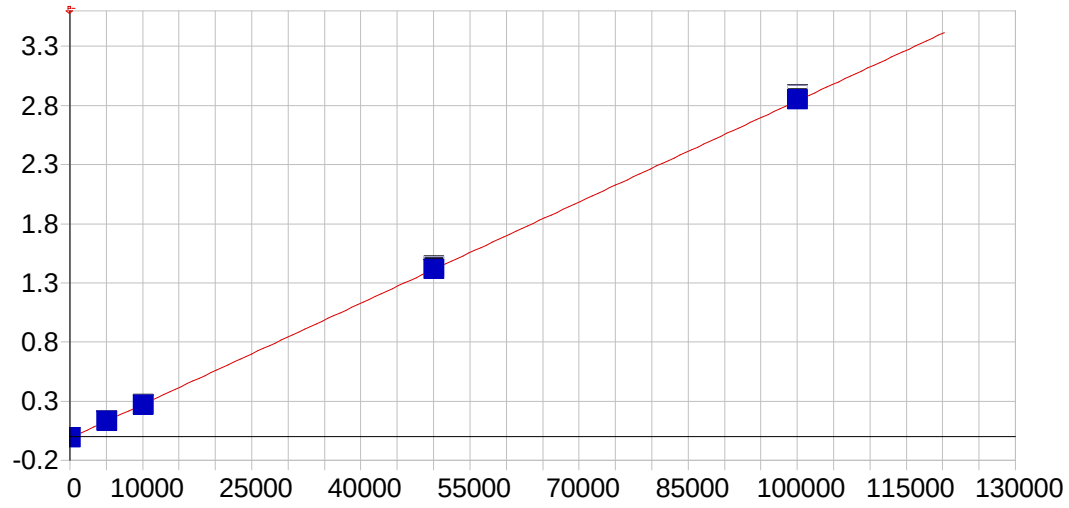


Fe 271.441 {124}

Date of Fit: 5/17/2012 11:13:02 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000196 Re-Slope: 1.000000
A1 (Gain): 0.000009 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999906 Status: OK.
Std Error of Est: 0.000036
Predicted MDL: 14.743677
Predicted MQL: 49.145591

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00319	-.003	.000	.00020	.000	1
DCAL1	150.00	150.22	.225	.150	.00163	.000	1
DCAL2	20000.	20229.	229.	1.15	.18867	.001	1
DCAL3	100000.	101890.	1890.	1.89	.94946	.004	1
DCAL4	200000.	197880.	-2120.	-1.06	1.8440	.002	1

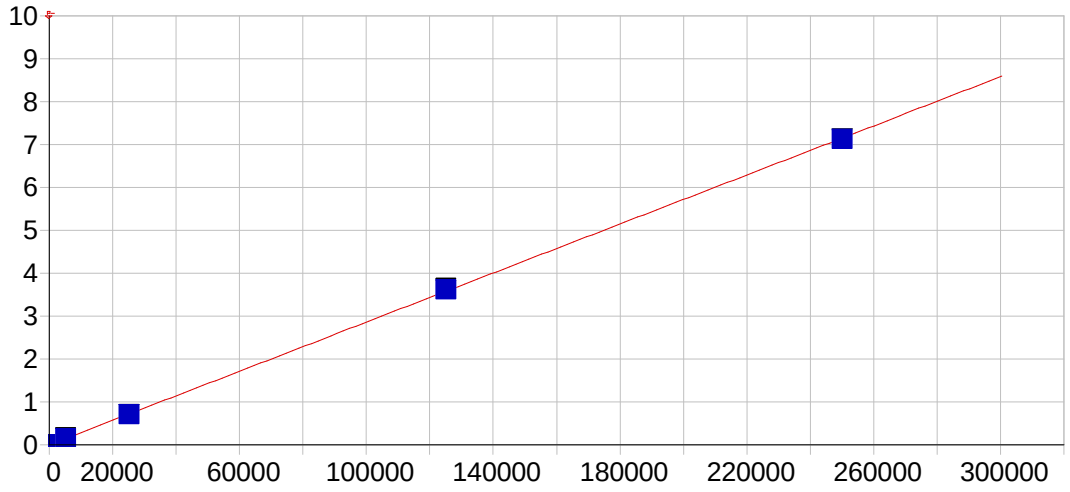


K 766.490 { 44}

Date of Fit:	5/17/2012 11:13:02	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.012133	Re-Slope:	1.000000
A1 (Gain):	0.000029	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999959	Status:	OK.
Std Error of Est:	0.000307		
Predicted MDL:	69.507051		
Predicted MQL:	231.690169		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.20014	.200	.000	-.01213	.001	1
DCAL1	5000.0	4951.9	-48.1	-.963	.12964	.000	1
DCAL2	10000.	9650.5	-350.	-3.50	.26676	.002	1
DCAL3	50000.	50058.	58.1	.116	1.4338	.008	1
DCAL4	100000.	100340.	339.	.339	2.8862	.003	1

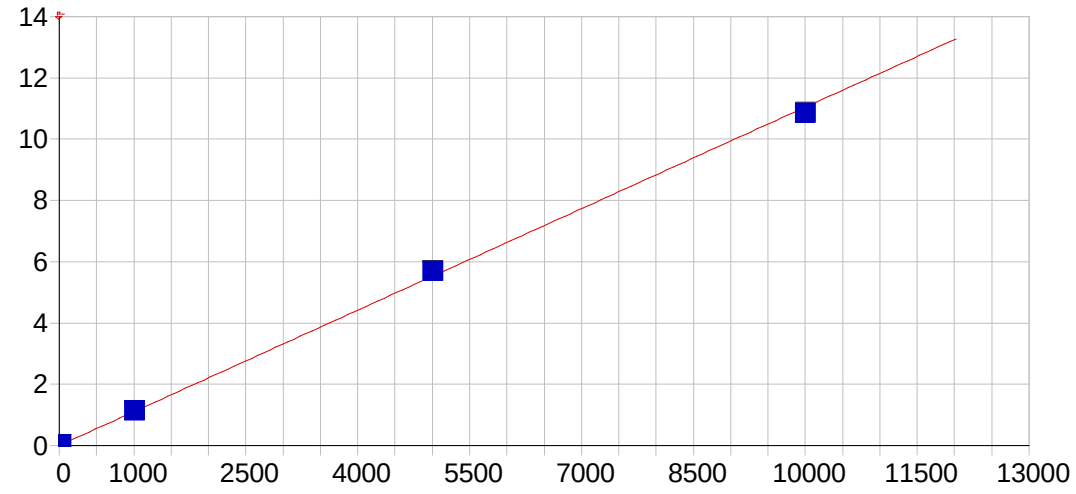


Mg 279.079 {121}

Date of Fit:	5/17/2012 11:13:02	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000105	Re-Slope:	1.000000
A1 (Gain):	0.000029	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999962	Status:	OK.
Std Error of Est:	0.000457		
Predicted MDL:	5.039533		
Predicted MQL:	16.798444		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.04992	-.050	.000	.00010	.000	1
DCAL1	5000.0	5098.8	98.8	1.98	.14593	.000	1
DCAL2	25000.	24579.	-421.	-1.68	.70306	.005	1
DCAL3	125000.	126440.	1440.	1.15	3.6163	.022	1
DCAL4	250000.	248880.	-1120.	-.449	7.1179	.012	1

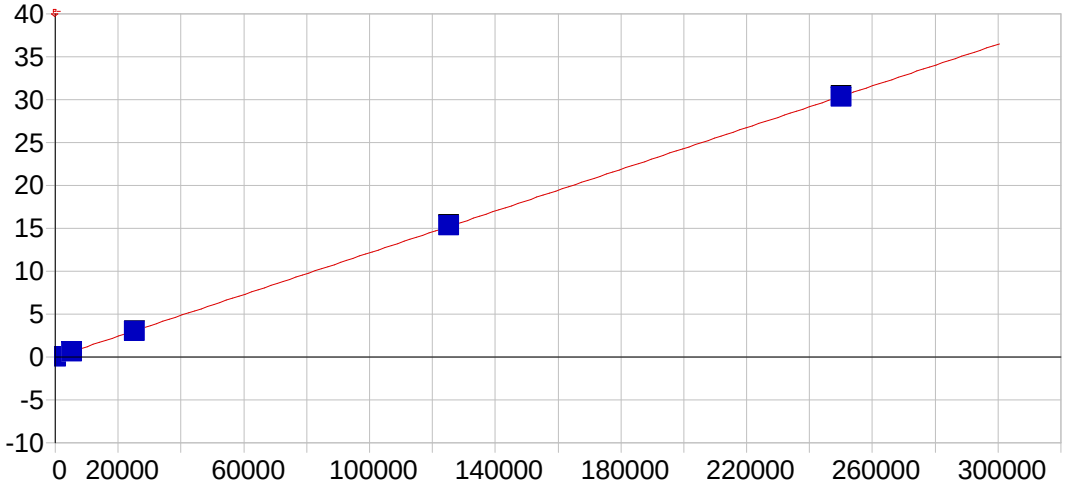


Mn 257.610 {131}

Date of Fit:	5/17/2012 11:13:02	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000123	Re-Slope:	1.000000
A1 (Gain):	0.001105	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999734	Status:	OK.
Std Error of Est:	0.000510		
Predicted MDL:	0.123604		
Predicted MQL:	0.412012		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00186	-.002	.000	.00012	.000	1
DCAL1	15.000	16.301	1.30	8.68	.01813	.000	1
DCAL2	1000.0	1024.8	24.8	2.48	1.1321	.007	1
DCAL3	5000.0	5152.0	152.	3.04	5.6910	.017	1
DCAL4	10000.	9821.9	-178.	-1.78	10.849	.025	1



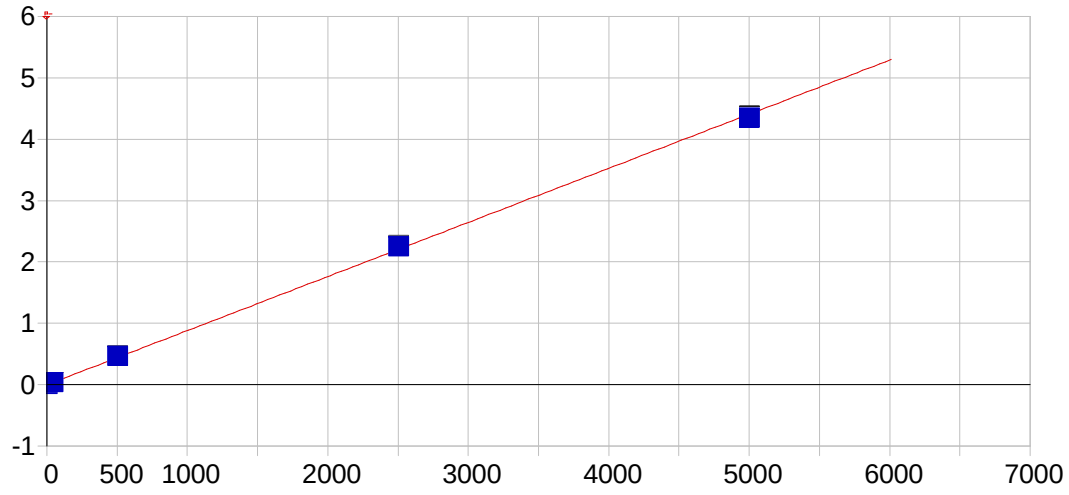
Na 589.592 { 57}

Date of Fit:	5/17/2012 11:13:02	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.004922	Re-Slope:	1.000000
A1 (Gain):	0.000122	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999982	Status:	OK.
Std Error of Est:	0.001334		
Predicted MDL:	17.161830		

Predicted MQL: 57.206100

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.01536	-.015	.000	-.00492	.001	1
DCAL1	5000.0	5067.3	67.3	1.35	.61097	.001	1
DCAL2	25000.	24619.	-381.	-1.52	2.9894	.005	1
DCAL3	125000.	125900.	895.	.716	15.307	.056	1
DCAL4	250000.	249420.	-582.	-.233	30.330	.091	1

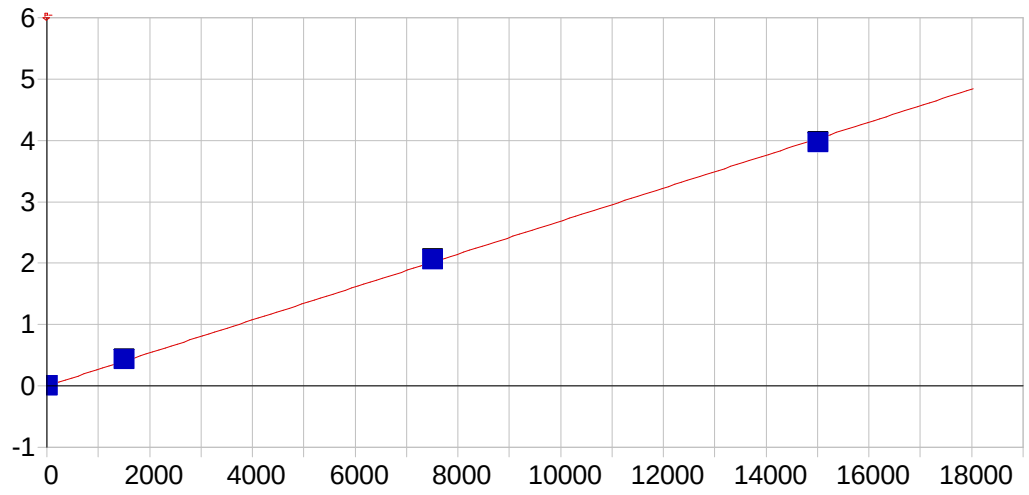


Ni 231.604 {446}

Date of Fit: 5/17/2012 11:13:02 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000800 Re-Slope: 1.000000
A1 (Gain): 0.000882 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999821 Status: OK.
Std Error of Est: 0.000387
Predicted MDL: 0.507855
Predicted MQL: 1.692851

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00519	-.005	.000	-.00080	.000	1
DCAL1	40.000	43.556	3.56	8.89	.03763	.000	1
DCAL2	500.00	517.69	17.7	3.54	.45663	.002	1
DCAL3	2500.0	2549.0	49.0	1.96	2.2515	.011	1
DCAL4	5000.0	4929.8	-70.2	-1.40	4.3557	.019	1

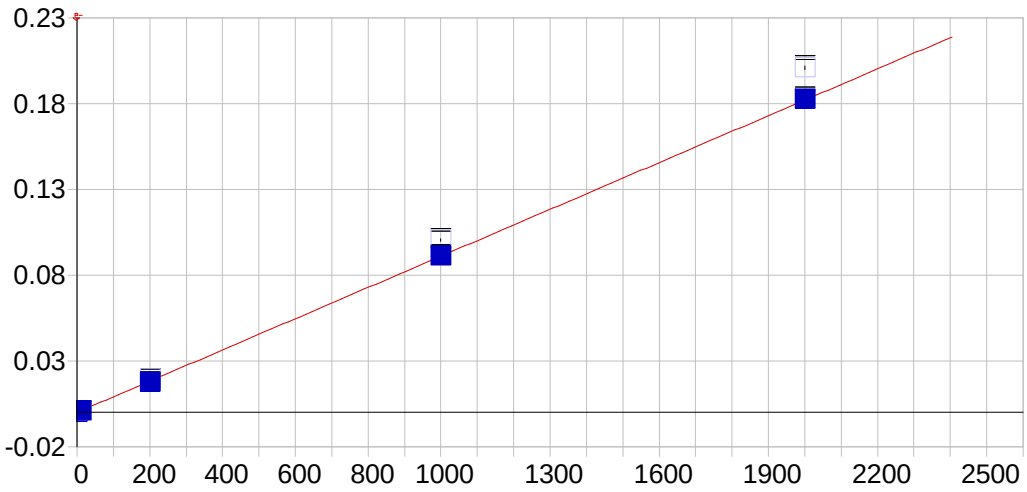


Pb 220.353 {453}

Date of Fit:	5/17/2012 11:13:02	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000066	Re-Slope:	1.000000
A1 (Gain):	0.000269	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999737	Status:	OK.
Std Error of Est:	0.000087		
Predicted MDL:	1.627805		
Predicted MQL:	5.426017		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00270	-.003	.000	.00007	.001	1
DCAL1	5.0000	7.3892	2.39	47.8	.00207	.000	1
DCAL2	1500.0	1587.2	87.2	5.81	.42571	.001	1
DCAL3	7500.0	7643.4	143.	1.91	2.0497	.010	1
DCAL4	15000.	14767.	-233.	-1.55	3.9598	.009	1

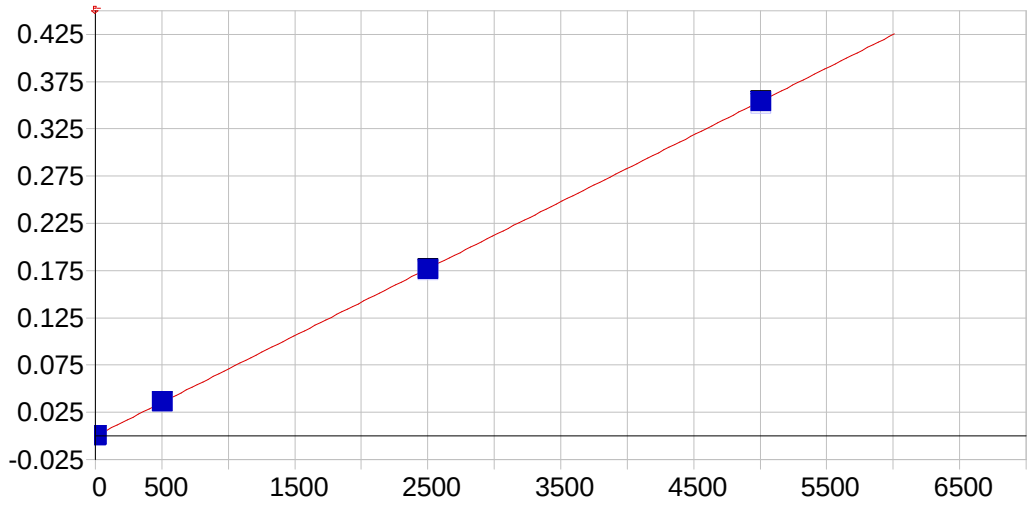


Sb 206.833 {463}

Date of Fit:	5/17/2012 11:13:02	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000064	Re-Slope:	1.000000
A1 (Gain):	0.000091	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999952	Status:	OK.
Std Error of Est:	0.000007		
Predicted MDL:	3.099724		
Predicted MQL:	10.332413		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.00108	.001	.000	.00006	.000	1
DCAL1	10.000	9.2460	-.754	-7.54	.00091	.000	1
DCAL2	200.00	192.31	-7.69	-3.85	.01940	.000	1
DCAL3	1000.0	1002.3	2.35	.235	.10044	.001	1
DCAL4	2000.0	2006.0	6.03	.302	.20094	.001	1

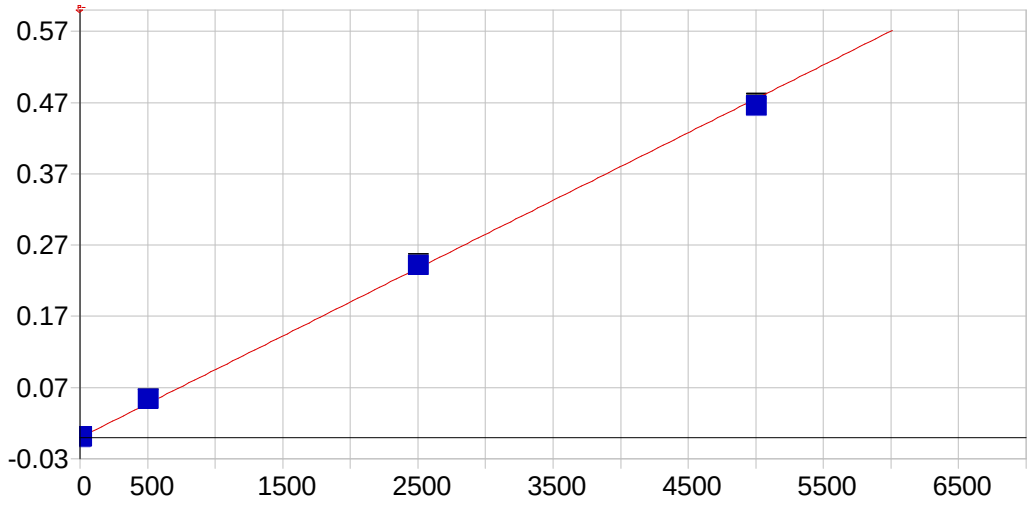


Se 196.090 {472}

Date of Fit:	5/17/2012 11:13:02	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000051	Re-Slope:	1.000000
A1 (Gain):	0.000071	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999945	Status:	OK.
Std Error of Est:	0.000006		
Predicted MDL:	3.638455		
Predicted MQL:	12.128184		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00189	-.002	.000	.00005	.000	1
DCAL1	5.0000	6.8326	1.83	36.7	.00053	.000	1
DCAL2	500.00	508.31	8.31	1.66	.03573	.000	1
DCAL3	2500.0	2487.6	-12.4	-.496	.17461	.000	1
DCAL4	5000.0	5002.3	2.25	.045	.35108	.000	1



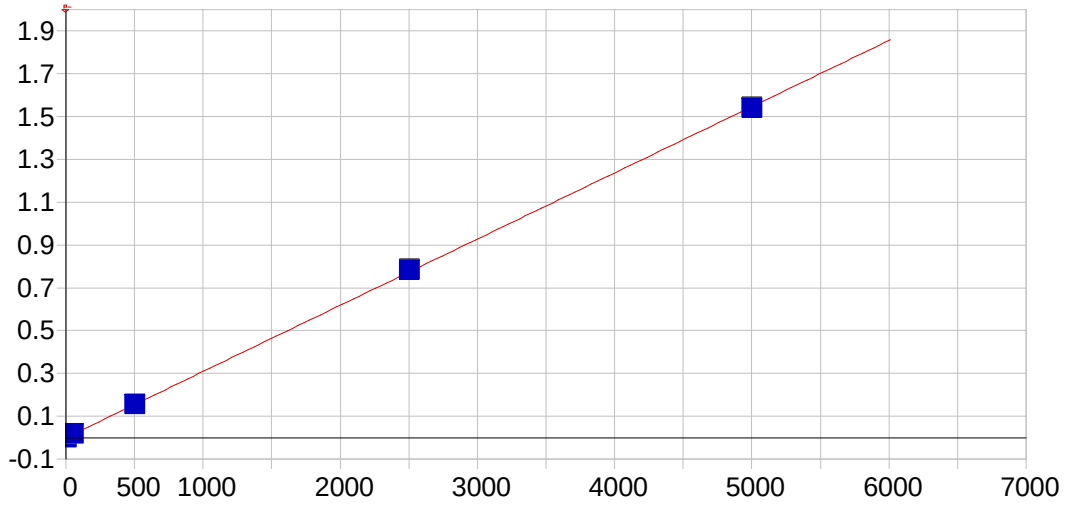
Tl 190.856 {477}

Date of Fit:	5/17/2012 11:13:02	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000134	Re-Slope:	1.000000
A1 (Gain):	0.000095	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999317	Status:	OK.
Std Error of Est:	0.000041		
Predicted MDL:	2.509987		

Predicted MQL: 8.366623

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00191	-.002	.000	-.00013	.000	1
DCAL1	10.000	10.696	.696	6.96	.00089	.000	1
DCAL2	500.00	563.12	63.1	12.6	.05334	.000	1
DCAL3	2500.0	2541.3	41.3	1.65	.24115	.002	1
DCAL4	5000.0	4894.9	-105.	-2.10	.46457	.004	1

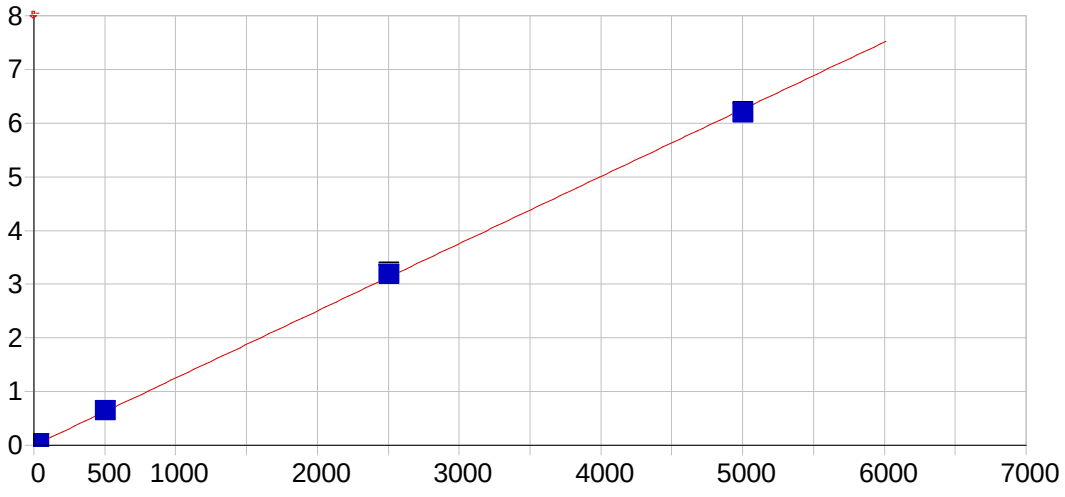


V 292.402 {115}

Date of Fit: 5/17/2012 11:13:02 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000008 Re-Slope: 1.000000
A1 (Gain): 0.000309 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999962 Status: OK.
Std Error of Est: 0.000069
Predicted MDL: 0.561077
Predicted MQL: 1.870255

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.00007	.000	.000	.00001	.000	1
DCAL1	50.000	49.992	-.008	-.016	.01547	.000	1
DCAL2	500.00	495.77	-4.23	-.846	.15339	.001	1
DCAL3	2500.0	2532.2	32.2	1.29	.78339	.003	1
DCAL4	5000.0	4972.1	-27.9	-.558	1.5382	.003	1

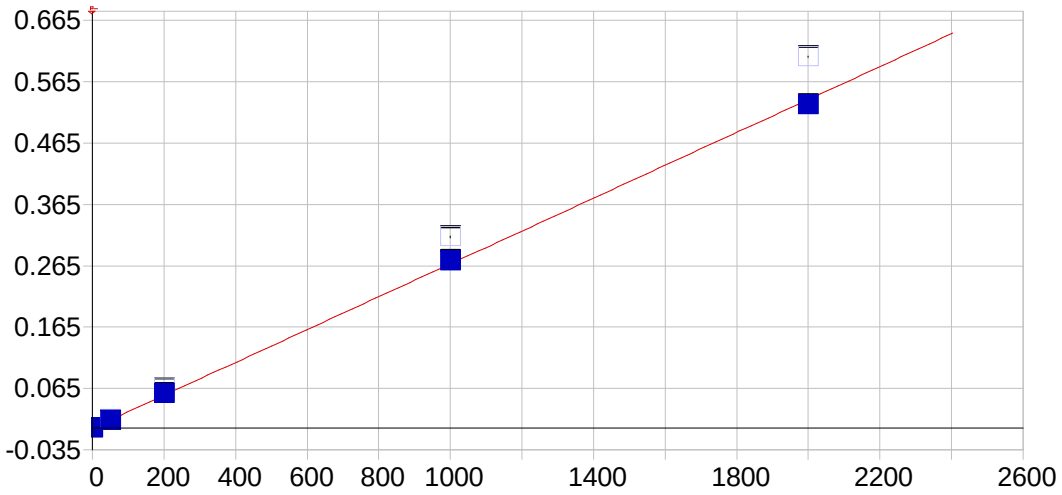


Zn 206.200 {463}

Date of Fit:	5/17/2012 11:13:02	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000326	Re-Slope:	1.000000
A1 (Gain):	0.001251	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999882	Status:	OK.
Std Error of Est:	0.000386		
Predicted MDL:	0.218251		
Predicted MQL:	0.727503		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00219	-.002	.000	.00032	.000	1
DCAL1	30.000	31.353	1.35	4.51	.03958	.000	1
DCAL2	500.00	510.28	10.3	2.06	.63996	.003	1
DCAL3	2500.0	2548.0	48.0	1.92	3.1942	.019	1
DCAL4	5000.0	4940.4	-59.6	-1.19	6.1934	.017	1

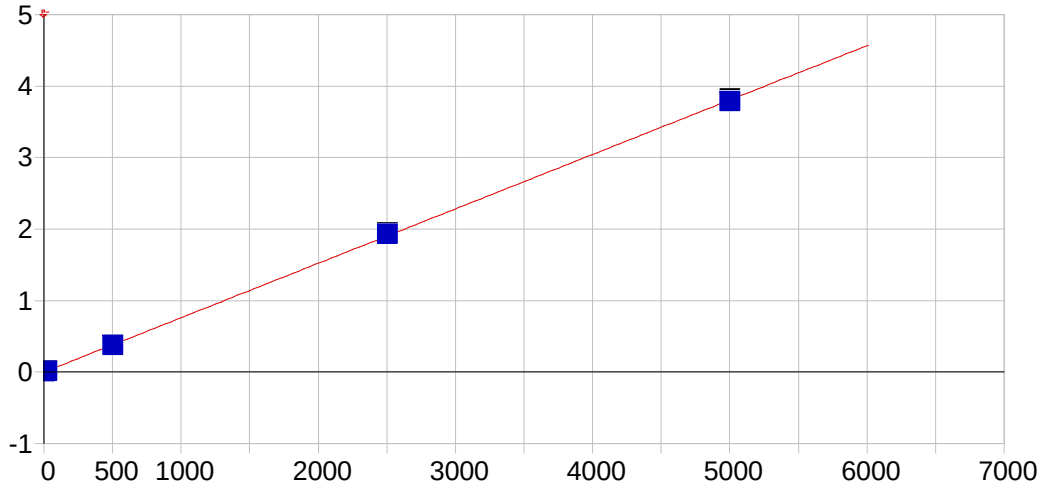


B 208.959 {461}

Date of Fit:	5/17/2012 11:13:02	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000171	Re-Slope:	1.000000
A1 (Gain):	0.000268	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999799	Status:	OK.
Std Error of Est:	0.000101		
Predicted MDL:	0.998136		
Predicted MQL:	3.327119		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00259	-.003	.000	.00017	.000	1
DCAL1	50.000	49.182	-.818	-1.64	.01366	.000	1
DCAL2	200.00	212.94	12.9	6.47	.06502	.001	1
DCAL3	1000.0	1019.2	19.2	1.92	.31219	.001	1
DCAL4	2000.0	1968.6	-31.4	-1.57	.60555	.001	1

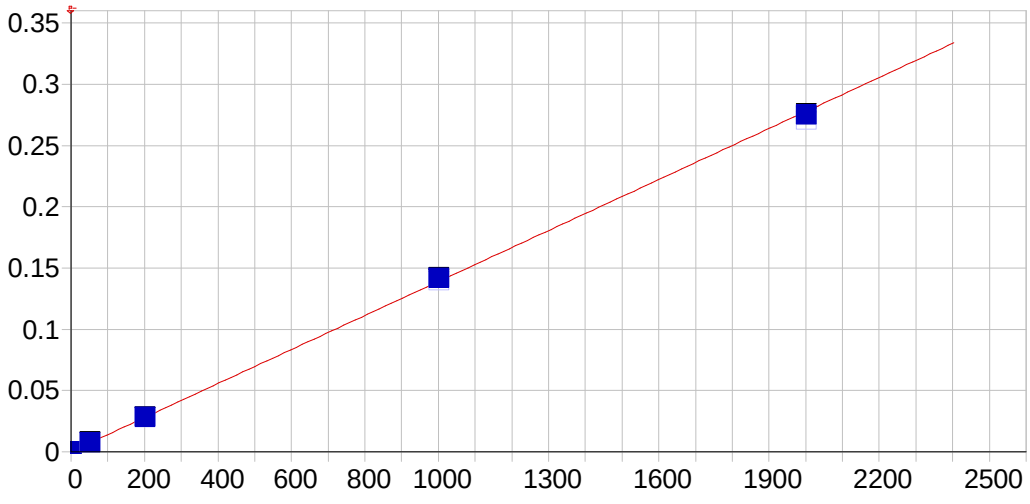


Mo 202.030 {467}

Date of Fit:	5/17/2012 11:13:02	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000105	Re-Slope:	1.000000
A1 (Gain):	0.000761	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999946	Status:	OK.
Std Error of Est:	0.000130		
Predicted MDL:	0.383817		
Predicted MQL:	1.279391		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.00036	.000	.000	-.00010	.000	1
DCAL1	20.000	19.779	-.221	-1.11	.01501	.000	1
DCAL2	500.00	491.93	-8.07	-1.61	.37505	.003	1
DCAL3	2500.0	2537.7	37.7	1.51	1.9350	.010	1
DCAL4	5000.0	4970.6	-29.4	-.587	3.7905	.029	1



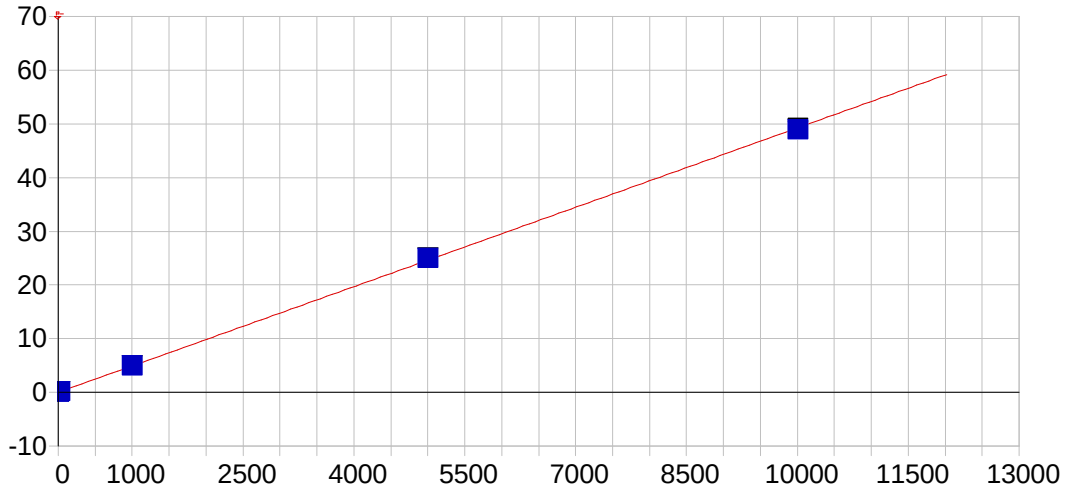
Sn 189.989 {477}

Date of Fit:	5/17/2012 11:13:02	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000197	Re-Slope:	1.000000
A1 (Gain):	0.000139	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999889	Status:	OK.
Std Error of Est:	0.000034		
Predicted MDL:	1.181026		

Predicted MQL: 3.936755

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00298	-.003	.000	.00020	.000	1
DCAL1	50.000	52.332	2.33	4.66	.00746	.000	1
DCAL2	200.00	201.07	1.07	.533	.02770	.000	1
DCAL3	1000.0	1018.6	18.6	1.86	.13955	.001	1
DCAL4	2000.0	1978.0	-22.0	-1.10	.27068	.001	1

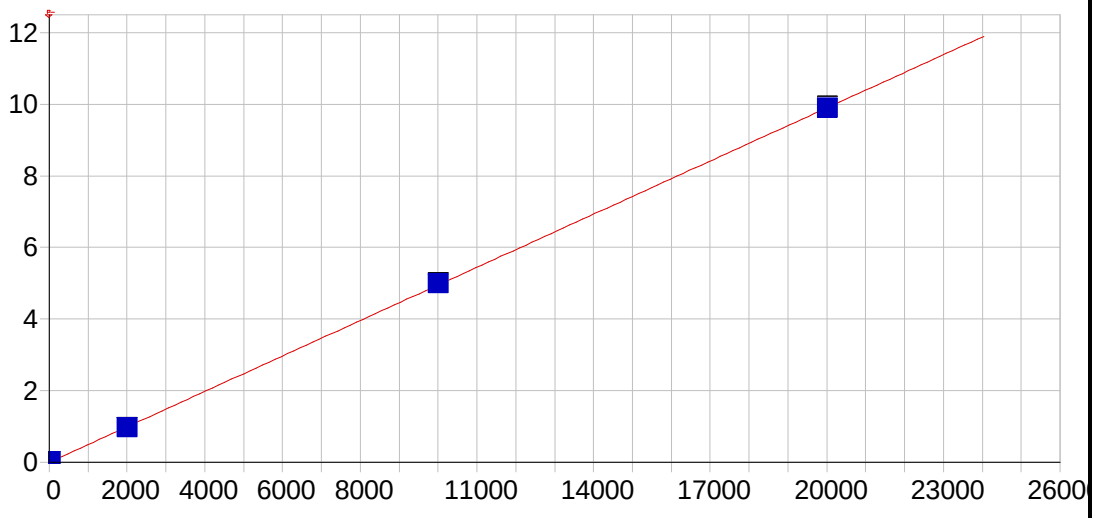


Sr 407.771 { 83}

Date of Fit: 5/17/2012 11:13:02 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset):	-0.002471	Re-Slope:	1.000000
A1 (Gain):	0.004924	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999953	Status:	OK.
Std Error of Est:	0.001095		
Predicted MDL:	0.189634		
Predicted MQL:	0.632115		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00048	.000	.000	-.00247	.001	1
DCAL1	20.000	20.421	.421	2.10	.09966	.000	1
DCAL2	1000.0	995.63	-4.37	-.437	4.8929	.012	1
DCAL3	5000.0	5071.0	71.0	1.42	24.931	.063	1
DCAL4	10000.	9932.9	-67.1	-.671	48.836	.237	1

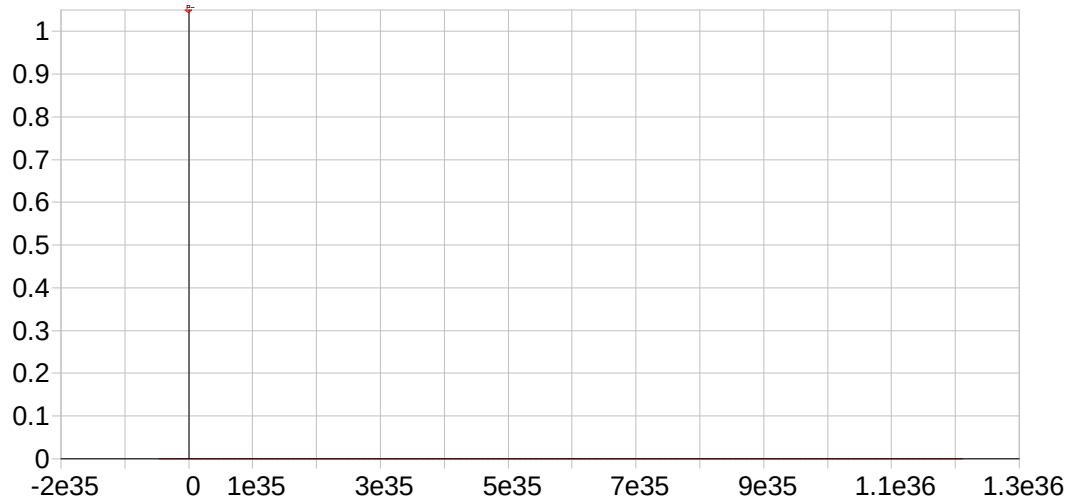


Ti 334.941 {101}

Date of Fit:	5/17/2012 11:13:02	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000839	Re-Slope:	1.000000
A1 (Gain):	0.000495	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999968	Status:	OK.
Std Error of Est:	0.000130		
Predicted MDL:	1.751723		
Predicted MQL:	5.839076		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.00077	.001	.000	.00084	.000	1
DCAL1	20.000	19.656	-.344	-1.72	.01071	.000	1
DCAL2	2000.0	1944.6	-55.4	-2.77	.96462	.003	1
DCAL3	10000.	10071.	71.4	.714	4.9920	.016	1
DCAL4	20000.	19984.	-15.7	-.078	9.9048	.031	1

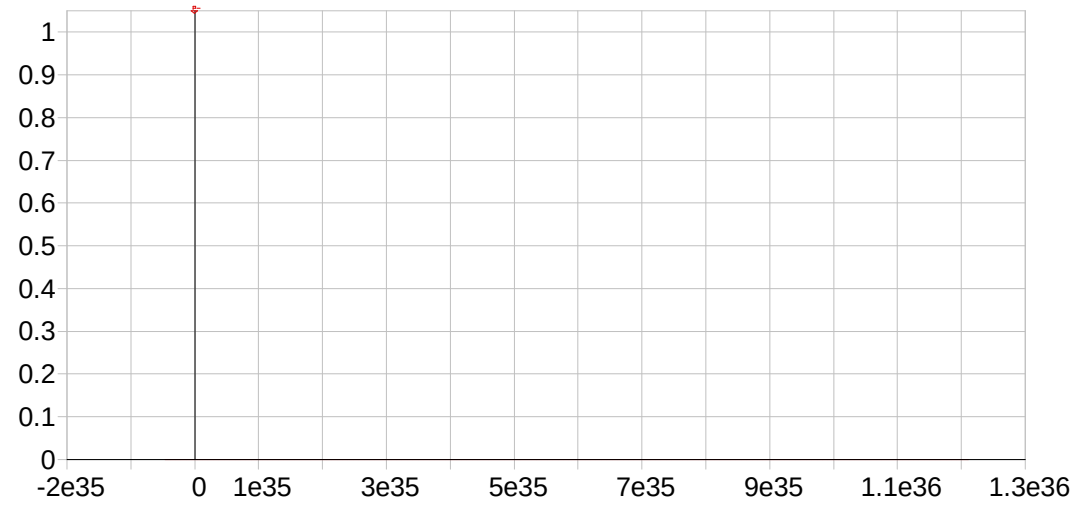


Y 224.306 {450}*

Date of Fit:	2/28/2011 17:34:07	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000000	Re-Slope:	1.000000
A1 (Gain):	0.000000	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.000000	Status:	Warning Zero Gain
Std Error of Est:	183.492520		
Predicted MDL:	n/a		
Predicted MQL:	n/a		

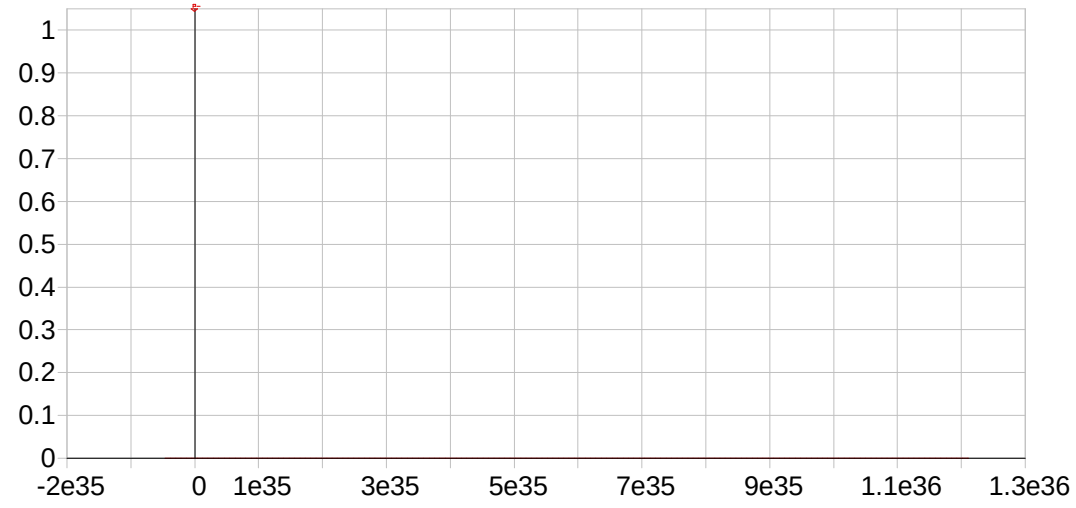
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis



Y 360.073 { 94}*

Date of Fit:	5/4/2010 9:11:13	Type of Fit:	Linear	Weighting:	1/Conc
A0 (Offset):	0.000000		Re-Slope:	1.000000	
A1 (Gain):	0.000000		Y-int:	0.000000	
A2 (Curvature):	0.000000				
n (Exponent):	1.000000				
Correlation:	0.000000		Status:	Warning	Zero Gain
Std Error of Est:	0.000000				
Predicted MDL:	n/a				
Predicted MQL:	n/a				

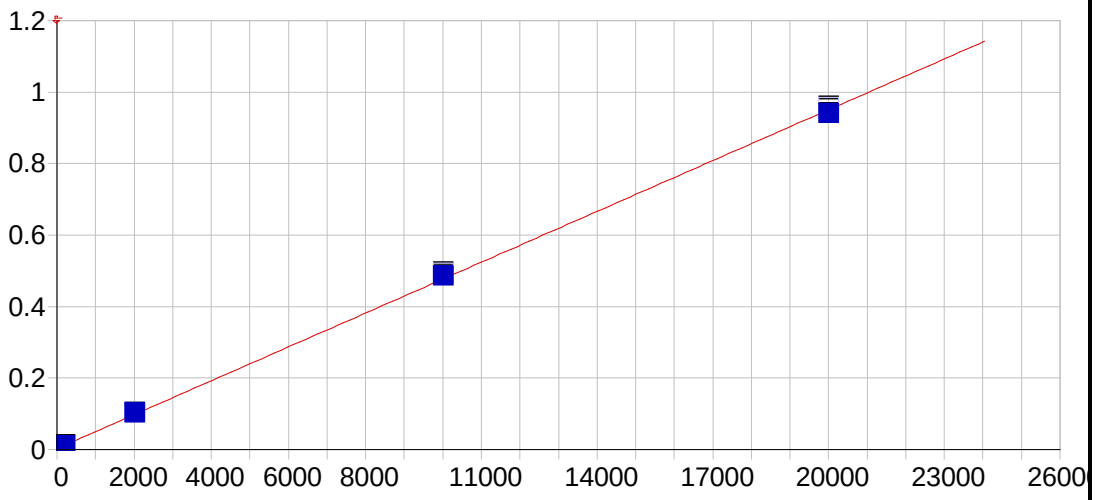
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis



Y 371.030 { 91}*

Date of Fit:	5/2/2012 12:15:50	Type of Fit:	Linear	Weighting:	1/Conc
A0 (Offset):	0.000000		Re-Slope:	1.000000	
A1 (Gain):	0.000000		Y-int:	0.000000	
A2 (Curvature):	0.000000				
n (Exponent):	1.000000				
Correlation:	0.000000		Status:	Warning	Zero Gain
Std Error of Est:	192.759705				
Predicted MDL:	n/a				
Predicted MQL:	n/a				

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis



Si 288.158 {117}

Date of Fit:	5/17/2012 11:13:02	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.002902	Re-Slope:	1.000000
A1 (Gain):	0.000047	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999808	Status:	OK.
Std Error of Est:	0.000098		
Predicted MDL:	21.898245		
Predicted MQL:	72.994150		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.01493	.015	.000	.00290	.001	1
DCAL1	200.00	175.01	-25.0	-12.5	.01123	.001	1
DCAL2	2000.0	2090.2	90.2	4.51	.10360	.001	1
DCAL3	10000.	10169.	169.	1.69	.49302	.003	1
DCAL4	20000.	19765.	-235.	-1.18	.95594	.003	1

Sample Name: CAL_BLK Acquired: 5/17/2012 10:55:26 Type: Cal
Method: SW84605072012(v10) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0007**	**-.0002**	**-.0009**	**-.0001**	**.0006**	**-.0074**
Stddev	.0005	.0001	.0002	.0003	.0007	.0006
%RSD	69.77	66.85	25.26	299.6	116.1	7.790
#1	-.0008	-.0003	-.0012	.0003	.0013	-.0080
#2	-.0011	-.0002	-.0008	-.0003	.0004	-.0069
#3	-.0002	-.0001	-.0008	-.0003	.0000	-.0074

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0004**	**-.0009**	**.0000**	**.0019**	**.0002**	**-.0121**
Stddev	.0002	.0002	.0001	.0005	.0001	.0011
%RSD	52.28	22.66	3222.	27.40	44.04	8.997
#1	-.0006	-.0009	.0000	.0013	.0002	-.0120
#2	-.0004	-.0007	.0001	.0022	.0003	-.0133
#3	-.0002	-.0011	-.0001	.0022	.0001	-.0111

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0001**	**.0001**	**-.0049**	**-.0008**	**.0001**	**.0001**
Stddev	.0001	.0000	.0011	.0005	.0005	.0001
%RSD	55.40	21.73	22.43	61.88	791.0	132.6
#1	.0000	.0001	-.0048	-.0003	.0003	.0001
#2	.0001	.0001	-.0039	-.0012	-.0005	.0001
#3	.0001	.0001	-.0061	-.0009	.0004	.0000

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0001**	**-.0001**	**.0000**	**.0003**	**.0002**	**-.0001**
Stddev	.0001	.0002	.0001	.0001	.0002	.0004
%RSD	267.9	138.0	888.6	32.85	100.6	369.6
#1	.0001	-.0001	-.0001	.0002	.0003	-.0005
#2	-.0001	.0000	.0001	.0003	.0000	.0000
#3	.0002	-.0003	.0000	.0004	.0002	.0002

Sample Name: CAL_BLK Acquired: 5/17/2012 10:55:26 Type: Cal
Method: SW84605072012(v10) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0002	-.0025	.0008	.0029
Stddev	.0001	.0005	.0005	.0011
%RSD	27.22	20.66	56.23	39.35
#1	.0002	-.0026	.0004	.0018
#2	.0002	-.0019	.0008	.0028
#3	.0001	-.0029	.0013	.0041

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2542.0	28133.	4749.1
Stddev	3.3	47.	8.2
%RSD	.13049	.16676	.17199
#1	2544.6	28169.	4757.7
#2	2538.3	28080.	4748.1
#3	2543.2	28150.	4741.5

Sample Name: DCAL1 Acquired: 5/17/2012 10:59:07 Type: Cal
Method: SW84605072012(v10) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0083**	**.0004**	**.0029**	**.5083**	**.0090**	**.2790**
Stddev	.0002	.0002	.0004	.0006	.0013	.0008
%RSD	2.186	49.47	12.36	.1086	14.98	.3000
#1	.0084	.0002	.0032	.5089	.0105	.2782
#2	.0082	.0003	.0029	.5080	.0082	.2799
#3	.0081	.0006	.0025	.5079	.0081	.2790

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0148**	**.0577**	**.0028**	**.0057**	**.0016**	**.1296**
Stddev	.0003	.0004	.0000	.0009	.0000	.0004
%RSD	2.149	.7271	.5873	15.10	1.694	.3266
#1	.0152	.0574	.0028	.0062	.0017	.1292
#2	.0145	.0575	.0028	.0047	.0016	.1301
#3	.0148	.0582	.0028	.0062	.0016	.1296

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.1459**	**.0181**	**.6110**	**.0376**	**.0021**	**.0009**
Stddev	.0002	.0001	.0008	.0001	.0002	.0002
%RSD	.1556	.6107	.1264	.2932	7.635	22.47
#1	.1461	.0181	.6103	.0377	.0022	.0011
#2	.1457	.0183	.6118	.0375	.0021	.0007
#3	.1460	.0181	.6108	.0377	.0019	.0009

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0005**	**.0009**	**.0155**	**.0396**	**.0137**	**.0150**
Stddev	.0001	.0003	.0001	.0002	.0001	.0001
%RSD	15.77	31.94	.8393	.4981	.9074	.5133
#1	.0005	.0008	.0155	.0394	.0135	.0151
#2	.0006	.0012	.0153	.0398	.0137	.0149
#3	.0005	.0006	.0156	.0396	.0138	.0150

Sample Name: DCAL1 Acquired: 5/17/2012 10:59:07 Type: Cal
Method: SW84605072012(v10) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0075	.0997	.0107	.0112
Stddev	.0001	.0003	.0003	.0011
%RSD	1.802	.2649	3.261	9.566
#1	.0074	.0999	.0103	.0101
#2	.0073	.0994	.0109	.0114
#3	.0076	.0997	.0110	.0122

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2575.5	28373.	4813.9
Stddev	4.0	108.	11.7
%RSD	.15622	.38129	.24353
#1	2571.2	28261.	4824.8
#2	2579.1	28477.	4801.5
#3	2576.4	28382.	4815.5

Sample Name: DCAL2 Acquired: 5/17/2012 11:02:46 Type: Cal
Method: SW84605072012(v10) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1.112**	**.0354**	**.0838**	**4.926**	**.8779**	**1.370**
Stddev	.004	.0003	.0004	.029	.0035	.005
%RSD	.3337	.7407	.4421	.5896	.3951	.3592
#1	1.116	.0357	.0841	4.955	.8818	1.376
#2	1.109	.0352	.0834	4.926	.8769	1.367
#3	1.109	.0353	.0838	4.897	.8750	1.367

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.9666**	**.5647**	**.2747**	**.3713**	**.1887**	**.2668**
Stddev	.0052	.0029	.0023	.0015	.0015	.0022
%RSD	.5360	.5089	.8447	.4092	.7877	.8060
#1	.9722	.5676	.2774	.3719	.1903	.2677
#2	.9657	.5649	.2734	.3695	.1882	.2683
#3	.9620	.5618	.2734	.3723	.1875	.2643

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.7031**	**1.132**	**2.989**	**.4566**	**.4257**	**.0194**
Stddev	.0050	.007	.004	.0024	.0012	.0001
%RSD	.7043	.5791	.1517	.5198	.2830	.3754
#1	.7086	1.139	2.992	.4588	.4268	.0194
#2	.7013	1.131	2.984	.4571	.4259	.0195
#3	.6992	1.126	2.992	.4541	.4244	.0194

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0357**	**.0533**	**.1534**	**.6400**	**.0650**	**.3750**
Stddev	.0002	.0004	.0015	.0032	.0006	.0028
%RSD	.6804	.6782	.9650	.5013	.8766	.7578
#1	.0360	.0537	.1548	.6435	.0656	.3781
#2	.0356	.0533	.1534	.6391	.0649	.3746
#3	.0355	.0530	.1519	.6373	.0645	.3725

Sample Name: DCAL2 Acquired: 5/17/2012 11:02:46 Type: Cal
Method: SW84605072012(v10) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0277	4.893	.9646	.1036
Stddev	.0002	.012	.0025	.0006
%RSD	.6963	.2475	.2617	.6100
#1	.0279	4.907	.9675	.1032
#2	.0276	4.885	.9627	.1033
#3	.0276	4.887	.9636	.1043

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2534.4	27761.	4802.8
Stddev	12.7	210.	12.2
%RSD	.50154	.75575	.25375
#1	2520.0	27519.	4789.0
#2	2539.1	27870.	4812.3
#3	2544.0	27894.	4807.0

Sample Name: DCAL3 Acquired: 5/17/2012 11:06:13 Type: Cal
Method: SW84605072012(v10) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5.565**	**.1747**	**.4385**	**24.57**	**4.435**	**6.984**
Stddev	.019	.0010	.0012	.08	.012	.020
%RSD	.3455	.5725	.2761	.3352	.2611	.2860
#1	5.544	.1758	.4399	24.65	4.421	6.961
#2	5.569	.1742	.4377	24.57	4.443	6.997
#3	5.582	.1740	.4379	24.48	4.439	6.993

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4.562**	**2.786**	**1.383**	**1.882**	**.9495**	**1.434**
Stddev	.019	.013	.006	.009	.0040	.008
%RSD	.4156	.4693	.4661	.5051	.4231	.5534
#1	4.581	2.799	1.390	1.871	.9537	1.425
#2	4.563	2.786	1.382	1.887	.9490	1.438
#3	4.543	2.773	1.378	1.887	.9457	1.439

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3.616**	**5.691**	**15.31**	**2.252**	**2.050**	**.1004**
Stddev	.022	.018	.06	.011	.010	.0008
%RSD	.6053	.3073	.3635	.4704	.4734	.7576
#1	3.640	5.709	15.25	2.262	2.058	.1005
#2	3.611	5.689	15.31	2.251	2.052	.1012
#3	3.598	5.675	15.36	2.241	2.039	.0996

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.1746**	**.2411**	**.7834**	**3.194**	**.3122**	**1.935**
Stddev	.0005	.0020	.0029	.019	.0014	.010
%RSD	.2768	.8476	.3742	.5942	.4462	.5315
#1	.1749	.2429	.7865	3.211	.3128	1.944
#2	.1748	.2416	.7829	3.198	.3132	1.938
#3	.1741	.2389	.7807	3.174	.3106	1.924

Sample Name: DCAL3 Acquired: 5/17/2012 11:06:13 Type: Cal
Method: SW84605072012(v10) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1395	24.93	4.992	.4930
Stddev	.0008	.06	.016	.0032
%RSD	.5563	.2519	.3205	.6420
#1	.1403	24.86	4.976	.4911
#2	.1396	24.97	4.993	.4913
#3	.1387	24.97	5.007	.4967

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2402.5	26255.	4730.5
Stddev	3.3	42.	10.6
%RSD	.13877	.16005	.22410
#1	2399.4	26211.	4742.7
#2	2406.0	26295.	4724.7
#3	2402.2	26257.	4724.0

Sample Name: DCAL4 Acquired: 5/17/2012 11:09:32 Type: Cal
Method: SW84605072012(v10) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**11.10**	**.3546**	**.8849**	**47.59**	**8.697**	**13.58**
Stddev	.04	.0013	.0012	.19	.019	.04
%RSD	.3856	.3553	.1375	.4032	.2236	.3037
#1	11.14	.3554	.8837	47.72	8.715	13.62
#2	11.11	.3552	.8861	47.68	8.700	13.59
#3	11.05	.3531	.8849	47.37	8.676	13.54

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**8.968**	**5.401**	**2.703**	**3.714**	**1.844**	**2.886**
Stddev	.029	.021	.006	.005	.002	.003
%RSD	.3291	.3859	.2243	.1270	.1016	.1055
#1	8.988	5.418	2.707	3.719	1.845	2.888
#2	8.982	5.407	2.707	3.715	1.845	2.888
#3	8.934	5.378	2.696	3.709	1.842	2.883

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**7.118**	**10.85**	**30.33**	**4.356**	**3.960**	**.2009**
Stddev	.012	.02	.09	.019	.009	.0010
%RSD	.1673	.2288	.2998	.4346	.2373	.5113
#1	7.128	10.87	30.38	4.369	3.966	.2013
#2	7.121	10.85	30.38	4.364	3.965	.2017
#3	7.105	10.82	30.22	4.334	3.949	.1998

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.3511**	**.4646**	**1.538**	**6.193**	**.6055**	**3.791**
Stddev	.0003	.0037	.003	.017	.0011	.029
%RSD	.0978	.7974	.1951	.2736	.1775	.7575
#1	.3509	.4676	1.540	6.202	.6061	3.812
#2	.3515	.4657	1.540	6.204	.6062	3.801
#3	.3508	.4604	1.535	6.174	.6043	3.758

Sample Name: DCAL4 Acquired: 5/17/2012 11:09:32 Type: Cal
Method: SW84605072012(v10) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.2707	48.84	9.905	.9559
Stddev	.0014	.24	.031	.0034
%RSD	.5263	.4850	.3162	.3523
#1	.2719	48.91	9.922	.9540
#2	.2710	48.57	9.924	.9598
#3	.2691	49.03	9.869	.9540

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2310.7	25390.	4656.9
Stddev	2.8	95.	10.7
%RSD	.12056	.37449	.22963
#1	2310.7	25280.	4644.6
#2	2307.9	25439.	4664.0
#3	2313.5	25450.	4662.0

Sample Name: ICV Acquired: 5/17/2012 11:13:11 Type: QC
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**126700.**	**2540.**	**1252.**	**10220.**	**1008.**	**126900.**
Stddev	217.	10.	3.	45.	1.	175.
%RSD	.1713	.3854	.2693	.4438	.1070	.1382
#1	126500.	2550.	1256.	10250.	1009.	126700.
#2	126900.	2540.	1251.	10250.	1008.	127000.
#3	126600.	2530.	1250.	10170.	1007.	126900.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1289.**	**2539.**	**5092.**	**12680.**	**101700.**	**50400.**
Stddev	5.	12.	12.	16.	225.	36.
%RSD	.3954	.4619	.2344	.1223	.2212	.0724
#1	1292.	2548.	5102.	12670.	101900.	50360.
#2	1292.	2543.	5095.	12700.	101700.	50410.
#3	1283.	2525.	5079.	12670.	101500.	50430.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**125900.**	**5185.**	**124500.**	**2569.**	**7692.**	**1029.**
Stddev	173.	12.	210.	11.	31.	1.
%RSD	.1376	.2404	.1684	.4452	.4021	.1369
#1	126000.	5195.	124300.	2578.	7708.	1030.
#2	125900.	5190.	124700.	2574.	7712.	1029.
#3	125700.	5171.	124500.	2556.	7656.	1027.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: ICV Acquired: 5/17/2012 11:13:11 Type: QC
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2499.**	**2607.**	**2528.**	**2533.**	**1011.**	**2575.**
Stddev	12.	20.	7.	9.	4.	16.
%RSD	.4781	.7559	.2870	.3427	.3794	.6140
#1	2507.	2622.	2534.	2538.	1013.	2587.
#2	2504.	2615.	2529.	2537.	1013.	2581.
#3	2485.	2585.	2520.	2523.	1006.	2557.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1018.**	**5096.**	**10130.**	**10110.**
Stddev	7.	4.	7.	70.
%RSD	.6623	.0823	.0670	.6878
#1	1023.	5092.	10120.	10090.
#2	1021.	5100.	10140.	10190.
#3	1010.	5098.	10120.	10060.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2420.4**	**26430.**	**4741.6**
Stddev	11.0	114.	13.9
%RSD	.45597	.43001	.29312
#1	2411.7	26376.	4747.1
#2	2416.7	26354.	4751.9
#3	2432.9	26561.	4725.8

Sample Name: CCB Acquired: 5/17/2012 11:16:30 Type: QC
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**6.865**	**2.679**	**-.0694**	**.6616**	**.0833**	**18.78**
Stddev	20.53	2.762	.3360	.3539	.1906	17.72
%RSD	299.0	103.1	483.8	53.49	228.7	94.34
#1	30.17	1.178	-.0823	1.056	.3033	37.06
#2	-8.526	5.866	-.3988	.5588	-.0213	17.59
#3	-1.047	.9919	.2728	.3705	-.0320	1.685
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0104**	**.1711**	**.7407**	**-.4306**	**9.370**	**68.75**
Stddev	.0348	.3458	.1620	4.328	5.292	58.90
%RSD	336.2	202.1	21.87	1005.	56.47	85.67
#1	.0115	.5651	.7155	-2.366	15.39	118.0
#2	.0079	-.0820	.9139	4.528	5.462	84.79
#3	-.0505	.0302	.5928	-3.454	7.257	3.490
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**10.33**	**.4288**	**51.66**	**.3029**	**.9796**	**1.549**
Stddev	5.82	.2320	13.71	.4595	.3067	1.633
%RSD	56.30	54.11	26.55	151.7	31.30	105.4
#1	14.59	.6955	67.03	.8287	1.327	.7823
#2	12.70	.3169	40.66	-.0215	.7471	3.424
#3	3.704	.2739	47.29	.1015	.8646	.4411
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 5/17/2012 11:16:30 Type: QC
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.277**	**-1.255**	**.3058**	**.0526**	**4.524**	**7.739**
Stddev	.857	3.833	.2329	.2033	1.361	1.690
%RSD	26.14	305.3	76.16	386.9	30.09	21.83
#1	2.378	-2.546	.5615	-.1382	5.709	5.789
#2	3.370	3.056	.2503	.2665	4.826	8.650
#3	4.084	-4.277	.1057	.0294	3.037	8.776
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.8774**	**.6429**	**1.099**	**-31.64**
Stddev	.7597	.4415	1.240	18.06
%RSD	86.59	68.66	112.9	57.08
#1	.7716	1.126	.3344	-10.82
#2	.1761	.2593	.4321	-43.09
#3	1.684	.5440	2.530	-41.02
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2588.5**	**28688.**	**4785.0**
Stddev	2.0	71.	10.8
%RSD	.07904	.24922	.22597
#1	2586.3	28648.	4774.2
#2	2588.7	28644.	4784.9
#3	2590.4	28770.	4795.8

Sample Name: ICSA 1465009 Acquired: 5/17/2012 11:20:15 Type: QC
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**499800.**	**1.144**	**-.1188**	**2.137**	**.0036**	**475200.**
Stddev	720.	2.886	.4099	.271	.1788	1102.
%RSD	.1441	252.4	345.2	12.68	4991.	.2319
#1	500300.	4.476	.3545	1.830	.1959	474200.
#2	500200.	-.4719	-.3614	2.344	-.1575	476400.
#3	499000.	-.5730	-.3493	2.236	-.0277	475200.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.3252**	**-.3955**	**.4435**	**-2.327**	**195700.**	**-230.2**
Stddev	.1304	.3420	.4799	.931	235.	129.8
%RSD	40.11	86.47	108.2	40.02	.1198	56.40
#1	.2019	-.0462	.8264	-3.353	196000.	-372.3
#2	.4618	-.4106	.5990	-2.093	195600.	-117.8
#3	.3121	-.7298	-.0948	-1.535	195500.	-200.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**503800.**	**-1.960**	**-34.79**	**-2.224**	**-.3593**	**1.939**
Stddev	3628.	.078	27.96	.234	3.430	2.377
%RSD	.7200	3.994	80.36	10.50	954.5	122.6
#1	500300.	-1.935	-63.91	-2.478	-3.735	-.7816
#2	503600.	-2.048	-32.32	-2.176	-.4645	2.980
#3	507500.	-1.898	-8.153	-2.018	3.122	3.618
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICSA 1465009 Acquired: 5/17/2012 11:20:15 Type: QC
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5.103**	**-.7839**	**-4.157**	**-1.236**	**3.395**	**-.9196**
Stddev	1.700	.5396	.398	.083	1.162	.8572
%RSD	33.32	68.83	9.567	6.746	34.23	93.21
#1	3.328	-.6039	-4.144	-1.332	4.635	-1.692
#2	5.263	-1.390	-3.765	-1.196	3.217	-1.070
#3	6.717	-.3573	-4.560	-1.181	2.332	.0028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.6625**	**-.1678**	**-.7304**	**-11.40**
Stddev	.3549	.0211	.6953	9.38
%RSD	53.58	12.55	95.20	82.26
#1	1.003	-.1506	-.4180	-20.90
#2	.6905	-.1615	-1.527	-2.151
#3	.2944	-.1913	-.2461	-11.15
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2309.9**	**24844.**	**4635.0**
Stddev	6.8	46.	8.7
%RSD	.29291	.18392	.18666
#1	2302.2	24814.	4628.0
#2	2315.0	24897.	4632.3
#3	2312.5	24821.	4644.7

Sample Name: ICSAB 1465011 Acquired: 5/17/2012 11:24:01 Type: QC
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**508100.**	**102.7**	**103.1**	**101.2**	**100.0**	**481000.**
Stddev	1659.	2.8	.9	.9	.2	908.
%RSD	.3265	2.678	.8587	.9216	.2154	.1887
#1	507200.	102.9	103.4	101.9	100.2	480000.
#2	510000.	99.87	102.1	101.6	100.1	481700.
#3	507000.	105.4	103.8	100.1	99.76	481400.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**98.63**	**97.30**	**100.3**	**96.12**	**199100.**	**10160.**
Stddev	1.56	1.41	.8	1.16	893.	71.
%RSD	1.579	1.446	.7721	1.211	.4486	.6985
#1	99.38	97.10	101.1	94.92	199400.	10130.
#2	99.66	98.80	100.1	97.24	199700.	10240.
#3	96.83	96.01	99.61	96.21	198100.	10100.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**511800.**	**100.5**	**10310.**	**93.59**	**95.80**	**98.04**
Stddev	1742.	.3	52.	1.28	1.37	2.39
%RSD	.3404	.2600	.4997	1.369	1.432	2.438
#1	512800.	100.4	10250.	94.26	94.22	99.38
#2	512800.	100.8	10350.	94.41	96.53	95.28
#3	509800.	100.3	10320.	92.12	96.65	99.46
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICSAB 1465011 Acquired: 5/17/2012 11:24:01 Type: QC
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**102.7**	**96.79**	**96.27**	**94.55**	**95.50**	**96.23**
Stddev	1.1	5.11	.83	1.39	.93	2.55
%RSD	1.100	5.284	.8646	1.468	.9789	2.651
#1	104.0	100.6	95.41	95.60	96.44	97.83
#2	101.8	98.75	97.07	95.07	95.49	97.57
#3	102.3	90.98	96.34	92.98	94.57	93.29
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**86.07**	**93.37**	**100.2**	**26.66**
Stddev	2.48	.41	2.4	7.10
%RSD	2.876	.4369	2.414	26.64
#1	88.91	93.34	98.75	34.75
#2	84.38	93.80	103.0	21.48
#3	84.93	92.98	98.80	23.74
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2314.8**	**24895.**	**4627.4**
Stddev	7.9	50.	12.7
%RSD	.33933	.19977	.27377
#1	2314.1	24838.	4633.8
#2	2307.3	24923.	4612.9
#3	2323.0	24924.	4635.7

Sample Name: INT-10 1506235 Acquired: 5/17/2012 11:27:38 Type: QC
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**102.3**	**4.086**	**5.581**	**-1.064**	**-1.864**	**85.55**
Stddev	57.3	1.027	.766	.089	.080	48.05
%RSD	56.00	25.14	13.72	8.396	4.288	56.17
#1	168.3	5.028	4.697	-1.163	-1.774	138.1
#2	64.88	4.239	6.014	-1.043	-1.889	74.63
#3	73.77	2.991	6.033	-.9880	-1.927	43.90
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.1936**	**11050.**	**10450.**	**2.195**	**-8.122**	**60.15**
Stddev	.0554	196.	100.	1.868	16.33	21.92
%RSD	28.63	1.776	.9559	85.10	201.0	36.44
#1	-.1392	11180.	10540.	1.205	9.583	41.10
#2	-.1914	11130.	10470.	4.350	-22.59	55.24
#3	-.2500	10820.	10340.	1.031	-11.36	84.10
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**81.05**	**10740.**	**40.91**	**11200.**	**-5.220**	**8.631**
Stddev	35.31	27.	5.89	205.	.171	5.780
%RSD	43.56	.2506	14.40	1.832	3.274	66.97
#1	121.2	10770.	47.45	11340.	-5.207	7.875
#2	66.95	10730.	36.00	11290.	-5.056	14.75
#3	54.97	10720.	39.29	10960.	-5.397	3.266
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: INT-10 1506235 Acquired: 5/17/2012 11:27:38 Type: QC
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-3.765**	**.7466**	**5116.**	**-5.396**	**-5.182**	**5187.**
Stddev	1.308	1.960	44.	.083	.907	116.
%RSD	34.74	262.5	.8573	1.531	17.51	2.229
#1	-5.237	2.980	5154.	-5.479	-5.090	5272.
#2	-3.323	-.6838	5127.	-5.314	-4.324	5234.
#3	-2.735	-.0567	5068.	-5.395	-6.131	5055.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**10710.**	**10230.**	**10210.**	**9718.**
Stddev	219.	90.	61.	438.
%RSD	2.044	.8793	.5953	4.510
#1	10860.	10340.	10260.	9289.
#2	10800.	10190.	10220.	9699.
#3	10460.	10170.	10140.	10160.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2594.2**	**29032.**	**4876.5**
Stddev	8.1	73.	9.1
%RSD	.31096	.24979	.18756
#1	2599.5	29108.	4874.7
#2	2598.1	29025.	4868.4
#3	2584.9	28963.	4886.4

Sample Name: 460-40335-a-1-b du@4 Acquired: 5/17/2012 11:31:28 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**24200.**	**8.663**	**2.715**	**220.5**	**1.544**	**9260.**
Stddev	107.	3.747	.234	1.0	.090	36.
%RSD	.4406	43.25	8.622	.4582	5.801	.3924
#1	24320.	10.51	2.870	221.6	1.646	9293.
#2	24180.	4.351	2.446	220.5	1.508	9265.
#3	24110.	11.13	2.830	219.6	1.479	9221.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.9186**	**26.19**	**56.30**	**1760.**	**62750.**	**3025.**
Stddev	.0827	.32	.89	5.	355.	46.
%RSD	9.005	1.223	1.583	.3050	.5651	1.525
#1	.8230	26.56	57.31	1762.	63160.	3023.
#2	.9668	26.00	55.62	1765.	62560.	3072.
#3	.9658	26.01	55.97	1754.	62530.	2980.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**10470.**	**1941.**	**358.6**	**54.12**	**78.22**	**.5376**
Stddev	66.	12.	13.4	.71	2.23	1.815
%RSD	.6306	.5942	3.736	1.303	2.849	337.6
#1	10550.	1954.	369.4	54.86	80.47	2.385
#2	10440.	1935.	362.7	54.06	78.18	.4708
#3	10430.	1933.	343.6	53.45	76.01	-1.243
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-40335-a-1-b du@4 Acquired: 5/17/2012 11:31:28 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.7280**	**-1.355**	**78.04**	**154.8**	**24.16**	**20.31**
Stddev	2.187	1.550	.72	.8	.98	1.61
%RSD	300.4	114.4	.9277	.5313	4.074	7.914
#1	-1.756	-.1696	78.76	155.7	25.29	19.04
#2	2.362	-3.110	77.31	154.6	23.49	22.12
#3	1.579	-.7862	78.05	154.1	23.70	19.78
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**8.586**	**65.86**	**1005.**	**2100.**
Stddev	.701	1.26	4.	24.
%RSD	8.160	1.917	.3800	1.138
#1	9.271	67.21	1006.	2120.
#2	8.616	65.64	1009.	2107.
#3	7.871	64.72	1001.	2073.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2644.3**	**29310.**	**4947.8**
Stddev	8.1	148.	10.0
%RSD	.30661	.50493	.20195
#1	2635.8	29142.	4938.9
#2	2652.0	29369.	4945.9
#3	2645.0	29419.	4958.6

Sample Name: 460-40335-a-1-a@4 Acquired: 5/17/2012 11:35:02 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**22250.**	**9.293**	**1.723**	**193.2**	**1.557**	**9447.**
Stddev	100.	1.642	.448	1.4	.108	33.
%RSD	.4483	17.67	25.98	.7173	6.938	.3479
#1	22210.	8.689	2.190	194.7	1.577	9437.
#2	22360.	8.039	1.298	193.0	1.654	9483.
#3	22180.	11.15	1.681	192.0	1.441	9420.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.7828**	**24.83**	**47.12**	**1407.**	**57190.**	**2887.**
Stddev	.0666	.22	.29	12.	117.	74.
%RSD	8.506	.9055	.6226	.8405	.2044	2.546
#1	.7092	25.03	47.16	1415.	57320.	2920.
#2	.8002	24.59	47.40	1414.	57140.	2938.
#3	.8389	24.88	46.81	1394.	57100.	2803.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**10480.**	**1666.**	**558.0**	**51.78**	**65.88**	**-.2912**
Stddev	34.	4.	14.0	.38	.54	3.006
%RSD	.3207	.2598	2.507	.7272	.8170	1032.
#1	10490.	1670.	556.3	52.21	66.49	1.511
#2	10440.	1664.	572.8	51.56	65.66	1.376
#3	10500.	1662.	545.0	51.56	65.48	-3.761
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-40335-a-1-a@4 Acquired: 5/17/2012 11:35:02 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.6977**	**-1.373**	**67.25**	**175.3**	**21.81**	**3.606**
Stddev	3.124	1.143	.42	1.1	1.26	.233
%RSD	447.8	83.25	.6261	.6351	5.774	6.446
#1	2.902	-.2734	67.67	176.5	20.61	3.405
#2	-2.286	-1.291	66.82	175.0	23.12	3.860
#3	-2.709	-2.555	67.25	174.3	21.70	3.553
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**5.757**	**59.88**	**939.9**	**2239.**
Stddev	1.095	.33	5.4	21.
%RSD	19.03	.5554	.5763	.9335
#1	6.944	59.81	941.2	2222.
#2	5.542	60.24	944.5	2262.
#3	4.785	59.59	933.9	2232.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2649.8**	**29309.**	**4955.0**
Stddev	14.7	135.	10.0
%RSD	.55338	.46213	.20231
#1	2632.9	29156.	4951.1
#2	2658.7	29354.	4947.5
#3	2657.8	29416.	4966.4

Sample Name: sd 460-40335-a-1-a@2 Acquired: 5/17/2012 11:38:37 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4452.**	**1.500**	**.1574**	**38.64**	**.3368**	**1891.**
Stddev	42.	2.004	.7817	.24	.0914	45.
%RSD	.9527	133.6	496.6	.6186	27.15	2.375
#1	4461.	2.378	-.5869	38.73	.4401	1941.
#2	4489.	2.914	.9718	38.83	.2663	1880.
#3	4406.	-.7929	.0873	38.37	.3040	1853.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.1528**	**5.279**	**9.534**	**281.8**	**11560.**	**505.4**
Stddev	.0702	.419	.139	1.0	81.	39.8
%RSD	45.90	7.932	1.458	.3408	.6966	7.880
#1	.1648	4.945	9.675	282.9	11660.	532.7
#2	.2162	5.749	9.397	281.4	11510.	459.7
#3	.0775	5.143	9.530	281.1	11530.	523.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2137.**	**334.5**	**120.2**	**10.86**	**14.14**	**-1.683**
Stddev	8.	2.1	5.4	.17	1.10	2.095
%RSD	.3806	.6228	4.497	1.593	7.790	124.4
#1	2146.	336.7	126.3	10.68	15.39	-1.512
#2	2134.	334.3	118.4	11.03	13.31	.3203
#3	2131.	332.6	116.0	10.87	13.72	-3.859
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd 460-40335-a-1-a@2 Acquired: 5/17/2012 11:38:37 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.080**	**-1.841**	**13.48**	**35.79**	**4.972**	**.3477**
Stddev	.909	.845	.39	.58	1.354	.4282
%RSD	43.69	45.88	2.907	1.634	27.23	123.2
#1	2.759	-2.433	13.19	36.28	5.672	.0397
#2	2.434	-2.217	13.33	35.95	5.832	.8366
#3	1.048	-.8739	13.93	35.14	3.411	.1666
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.9517**	**12.10**	**183.1**	**410.5**
Stddev	.7926	.13	1.5	13.6
%RSD	83.28	1.065	.8210	3.303
#1	.4664	11.99	182.2	395.6
#2	1.866	12.24	184.8	413.6
#3	.5223	12.06	182.2	422.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2638.3**	**29092.**	**4884.0**
Stddev	4.4	48.	9.6
%RSD	.16756	.16364	.19593
#1	2636.4	29057.	4873.0
#2	2635.2	29146.	4888.4
#3	2643.4	29073.	4890.6

Sample Name: 460-40335-a-1-c ms@4 Acquired: 5/17/2012 11:42:15 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**28450.**	**886.0**	**24.71**	**1142.**	**24.21**	**19340.**
Stddev	141.	3.0	.80	6.	.04	102.
%RSD	.4963	.3334	3.240	.4976	.1648	.5276
#1	28560.	888.7	25.42	1147.	24.25	19350.
#2	28500.	886.3	23.84	1144.	24.18	19440.
#3	28290.	882.9	24.86	1136.	24.19	19240.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**24.06**	**261.2**	**145.6**	**1938.**	**59890.**	**11800.**
Stddev	.18	1.4	2.4	14.	913.	61.
%RSD	.7448	.5499	1.653	.7135	1.525	.5157
#1	23.98	262.2	148.3	1944.	60940.	11830.
#2	24.27	261.9	143.7	1947.	59390.	11830.
#3	23.94	259.6	144.8	1922.	59330.	11730.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**21050.**	**1981.**	**9333.**	**292.9**	**323.9**	**188.9**
Stddev	317.	28.	45.	1.9	1.0	2.4
%RSD	1.505	1.409	.4826	.6490	.2964	1.270
#1	21420.	2013.	9353.	294.2	324.9	190.1
#2	20860.	1962.	9364.	293.8	323.8	190.5
#3	20880.	1968.	9281.	290.7	323.0	186.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-40335-a-1-c ms@4 Acquired: 5/17/2012 11:42:15 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**853.0**	**980.8**	**300.3**	**379.7**	**239.6**	**231.1**
Stddev	8.1	4.7	4.7	.8	.6	1.4
%RSD	.9482	.4750	1.558	.2053	.2519	.6185
#1	860.1	985.8	305.7	380.4	239.5	231.8
#2	854.6	980.0	297.1	379.7	240.2	232.1
#3	844.2	976.6	298.1	378.9	239.0	229.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**369.7**	**292.2**	**1224.**	**3237.**
Stddev	2.9	1.7	8.	22.
%RSD	.7968	.5686	.6154	.6647
#1	372.2	293.5	1229.	3218.
#2	370.4	292.8	1228.	3232.
#3	366.4	290.3	1215.	3260.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2617.1**	**28716.**	**4933.5**
Stddev	13.9	314.	13.8
%RSD	.52991	1.0935	.27959
#1	2629.3	28358.	4921.9
#2	2619.9	28943.	4929.7
#3	2602.0	28848.	4948.7

Sample Name: pds 460-40335-a-1-a@ Acquired: 5/17/2012 11:45:42 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**23930.**	**1839.**	**47.57**	**2130.**	**48.04**	**28000.**
Stddev	84.	12.	.02	13.	.19	95.
%RSD	.3506	.6440	.0474	.6270	.3888	.3378
#1	24000.	1851.	47.59	2143.	48.25	28070.
#2	23950.	1839.	47.55	2130.	48.00	28040.
#3	23840.	1827.	47.56	2116.	47.88	27890.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**48.89**	**506.5**	**238.9**	**1615.**	**57980.**	**20900.**
Stddev	.25	2.8	1.2	8.	84.	62.
%RSD	.5047	.5506	.5134	.4671	.1445	.2971
#1	49.08	508.5	240.3	1618.	58080.	20970.
#2	48.98	507.6	238.0	1621.	57940.	20850.
#3	48.61	503.3	238.4	1607.	57930.	20870.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**28390.**	**2142.**	**18660.**	**539.6**	**551.7**	**424.8**
Stddev	19.	3.	51.	3.5	2.8	7.8
%RSD	.0674	.1192	.2748	.6543	.5034	1.844
#1	28400.	2145.	18680.	543.0	554.8	432.8
#2	28370.	2142.	18700.	539.9	550.9	424.4
#3	28390.	2140.	18600.	535.9	549.5	417.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: pds 460-40335-a-1-a@ Acquired: 5/17/2012 11:45:42 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1791.**	**2023.**	**535.1**	**647.0**	**476.0**	**477.6**
Stddev	10.	11.	1.6	2.2	1.8	3.1
%RSD	.5844	.5479	.2983	.3430	.3878	.6569
#1	1802.	2032.	536.8	648.8	477.4	480.4
#2	1787.	2026.	534.8	647.7	476.6	478.1
#3	1782.	2010.	533.7	644.5	473.9	474.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**483.9**	**516.5**	**1417.**	**2352.**
Stddev	1.5	1.5	8.	39.
%RSD	.3053	.2807	.5536	1.662
#1	484.9	517.5	1425.	2329.
#2	484.5	517.0	1418.	2330.
#3	482.2	514.8	1409.	2397.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2609.5**	**28696.**	**4949.3**
Stddev	11.9	122.	29.3
%RSD	.45777	.42480	.59177
#1	2595.8	28558.	4925.5
#2	2615.1	28738.	4940.4
#3	2617.7	28790.	4982.0

Sample Name: 460-40335-a-2-a@4 Acquired: 5/17/2012 11:49:06 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**31950.**	**27.73**	**55.43**	**307.1**	**1.676**	**10880.**
Stddev	530.	.26	.51	2.4	.135	180.
%RSD	1.659	.9248	.9145	.7681	8.034	1.652
#1	32560.	27.67	56.01	308.1	1.735	11080.
#2	31690.	28.01	55.09	308.7	1.772	10800.
#3	31600.	27.51	55.19	304.4	1.522	10750.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5.224**	**30.78**	**104.2**	F **26000.**	**143800.**	**2213.**
Stddev	.175	.42	1.2	497.	1246.	72.
%RSD	3.346	1.350	1.125	1.909	.8666	3.257
#1	5.184	31.03	105.1	26570.	144900.	2218.
#2	5.415	31.00	104.6	25770.	143800.	2282.
#3	5.073	30.30	102.9	25670.	142500.	2138.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				25000.		
Low Limit				-50.00		

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**13900.**	**701.1**	**514.3**	**87.60**	**487.2**	**5.918**
Stddev	109.	6.5	26.0	1.31	5.5	1.914
%RSD	.7814	.9283	5.052	1.498	1.130	32.34
#1	14010.	707.8	501.8	88.71	491.0	4.554
#2	13920.	700.6	497.0	87.93	489.5	8.106
#3	13790.	694.8	544.2	86.15	480.9	5.094
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-40335-a-2-a@4 Acquired: 5/17/2012 11:49:06 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.077**	**-1.635**	**136.6**	**775.6**	**12.68**	**43.34**
Stddev	.917	2.751	1.3	5.5	.79	.44
%RSD	44.17	168.2	.9696	.7129	6.208	1.025
#1	3.093	-.6964	137.8	777.7	13.57	43.75
#2	1.830	-4.733	136.9	779.8	12.40	43.40
#3	1.309	.5231	135.2	769.4	12.08	42.87
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**28.23**	**92.62**	**1273.**	**2390.**
Stddev	.67	1.41	19.	11.
%RSD	2.375	1.520	1.476	.4691
#1	28.75	94.20	1294.	2382.
#2	27.47	92.18	1268.	2402.
#3	28.45	91.49	1257.	2384.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2668.0**	**29386.**	**5035.2**
Stddev	3.7	162.	93.0
%RSD	.13883	.55154	1.8472
#1	2672.1	29200.	4929.2
#2	2667.2	29458.	5073.4
#3	2664.8	29500.	5103.1

Sample Name: lcssrm 460-112890/2- Acquired: 5/17/2012 11:52:37 Type: QC
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**32110.**	**1147.**	**223.4**	**1240.**	**446.1**	**32610.**
Stddev	77.	6.	.3	6.	1.8	87.
%RSD	.2413	.5447	.1464	.4971	.4020	.2682
#1	32140.	1152.	223.1	1243.	446.8	32590.
#2	32170.	1149.	223.4	1244.	447.3	32710.
#3	32020.	1140.	223.7	1233.	444.0	32540.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**923.9**	**900.4**	**617.5**	**572.2**	**58560.**	**11460.**
Stddev	4.8	4.3	1.9	10.4	234.	93.
%RSD	.5201	.4825	.3086	1.810	.3996	.8100
#1	926.7	903.0	618.5	584.1	58670.	11370.
#2	926.6	902.8	618.8	566.2	58720.	11560.
#3	918.3	895.4	615.4	566.2	58290.	11450.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**12900.**	**1646.**	**2496.**	**585.0**	**534.8**	**606.3**
Stddev	46.	8.	19.	3.1	2.9	1.3
%RSD	.3586	.4932	.7626	.5317	.5485	.2113
#1	12940.	1651.	2508.	587.6	536.9	605.3
#2	12900.	1651.	2506.	586.0	536.0	607.7
#3	12850.	1637.	2474.	581.6	531.4	605.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: lcssrm 460-112890/2- Acquired: 5/17/2012 11:52:37 Type: QC
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**525.6**	**862.4**	**568.5**	**865.3**	**551.6**	**457.6**
Stddev	2.3	6.0	2.8	5.4	2.0	3.3
%RSD	.4404	.7013	.4966	.6183	.3598	.7216
#1	528.3	863.4	571.0	868.6	553.5	459.5
#2	524.4	867.8	569.0	868.1	551.9	459.6
#3	524.1	855.9	565.4	859.1	549.6	453.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**545.0**	**604.7**	**1053.**	**2947.**
Stddev	4.4	1.3	4.	143.
%RSD	.8009	.2118	.3542	4.843
#1	549.0	605.7	1057.	3101.
#2	545.7	605.2	1049.	2920.
#3	540.3	603.3	1054.	2819.
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2662.3**	**29263.**	**5053.6**
Stddev	3.1	92.	23.5
%RSD	.11792	.31322	.46545
#1	2663.7	29171.	5045.9
#2	2658.7	29265.	5034.9
#3	2664.5	29354.	5080.0

Sample Name: CCV Acquired: 5/17/2012 11:56:04 Type: QC
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**126700.**	**2537.**	**1251.**	**10260.**	**990.6**	**125700.**
Stddev	324.	2.	3.	4.	3.9	398.
%RSD	.2558	.0898	.2649	.0389	.3912	.3166
#1	127000.	2536.	1255.	10260.	994.4	126100.
#2	126700.	2536.	1249.	10250.	990.9	125600.
#3	126300.	2540.	1249.	10260.	986.7	125300.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1290.**	**2538.**	**5103.**	**12470.**	**101500.**	**49980.**
Stddev	.	3.	9.	36.	125.	54.
%RSD	.0324	.1202	.1843	.2872	.1229	.1089
#1	1290.	2542.	5114.	12510.	101600.	50030.
#2	1290.	2536.	5099.	12470.	101400.	49920.
#3	1290.	2537.	5096.	12440.	101400.	49980.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**125900.**	**5146.**	**124300.**	**2574.**	**7682.**	**1028.**
Stddev	337.	8.	195.	1.	4.	2.
%RSD	.2674	.1522	.1568	.0379	.0550	.1820
#1	126300.	5154.	124500.	2575.	7687.	1026.
#2	125700.	5146.	124200.	2573.	7681.	1030.
#3	125700.	5138.	124100.	2573.	7679.	1027.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 5/17/2012 11:56:04 Type: QC
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2492.**	**2615.**	**2524.**	**2529.**	**1010.**	**2571.**
Stddev	2.	4.	5.	1.	3.	6.
%RSD	.0819	.1668	.1965	.0583	.2673	.2190
#1	2491.	2617.	2528.	2531.	1009.	2576.
#2	2495.	2619.	2525.	2529.	1008.	2572.
#3	2491.	2610.	2518.	2528.	1013.	2565.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1016.**	**5043.**	**10080.**	**10020.**
Stddev	2.	12.	10.	32.
%RSD	.2057	.2398	.0996	.3229
#1	1018.	5055.	10090.	10040.
#2	1015.	5042.	10080.	10030.
#3	1014.	5031.	10070.	9984.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2417.2**	**26454.**	**4720.5**
Stddev	4.3	44.	5.1
%RSD	.17609	.16656	.10824
#1	2414.4	26407.	4715.3
#2	2422.1	26461.	4725.5
#3	2415.2	26494.	4720.8

Sample Name: CCB Acquired: 5/17/2012 11:59:24 Type: QC
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**7.109**	**.8095**	**-.4642**	**.3403**	**-.0841**	**22.93**
Stddev	12.47	2.689	.3413	.2478	.0648	12.66
%RSD	175.4	332.1	73.54	72.81	77.08	55.22
#1	17.06	.0460	-.2412	.6056	-.1092	35.80
#2	-6.880	-1.415	-.8571	.1150	-.1326	22.51
#3	11.15	3.797	-.2942	.3003	-.0105	10.48
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0287**	**.4644**	**.4825**	**-.5563**	**8.621**	**92.15**
Stddev	.0974	.3117	.4989	3.156	4.985	39.55
%RSD	339.2	67.12	103.4	567.4	57.82	42.91
#1	.1346	.5308	.6869	-4.059	6.930	131.3
#2	-.0571	.7375	.8467	2.067	14.23	92.89
#3	.0086	.1249	-.0861	.3239	4.702	52.24
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5.293**	**.1685**	**55.47**	**.6981**	**.5452**	**.8951**
Stddev	5.097	.2682	11.42	.1669	.8456	2.535
%RSD	96.29	159.2	20.60	23.91	155.1	283.2
#1	11.10	.4695	68.14	.7939	-.3809	-1.317
#2	3.187	.0810	45.95	.5054	.7400	.3416
#3	1.586	-.0451	52.31	.7949	1.276	3.661
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 5/17/2012 11:59:24 Type: QC
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.912**	**-.2120**	**.3223**	**-.1504**	**2.270**	**7.097**
Stddev	2.869	.9610	.3582	.0728	.182	1.485
%RSD	150.0	453.2	111.1	48.38	7.999	20.92
#1	3.094	.1177	.7034	-.0748	2.105	5.420
#2	-1.359	-1.294	-.0074	-.2200	2.465	7.626
#3	4.003	.5407	.2709	-.1565	2.241	8.245
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.7605**	**.3791**	**-.2304**	**-20.79**
Stddev	1.191	.4662	.4477	5.96
%RSD	156.6	123.0	194.3	28.69
#1	-1.284	.8847	-.4129	-24.78
#2	-1.599	.2864	.2797	-23.64
#3	.6023	-.0338	-.5581	-13.93
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2597.2**	**28725.**	**4801.3**
Stddev	11.4	76.	33.9
%RSD	.43862	.26606	.70583
#1	2585.2	28720.	4764.3
#2	2607.8	28804.	4808.6
#3	2598.6	28652.	4830.8

Sample Name: mb 460-112890/1-a@2 Acquired: 5/17/2012 12:03:08 Type: QC
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**21.06**	**2.523**	**.2630**	**.1174**	**-.0608**	**120.0**
Stddev	8.75	1.380	.2733	.1169	.0987	18.2
%RSD	41.55	54.68	103.9	99.52	162.5	15.16
#1	13.55	2.797	-.0199	-.0042	-.1459	106.6
#2	18.95	1.027	.2834	.1277	-.0839	112.8
#3	30.66	3.746	.5256	.2288	.0475	140.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0558**	**.1921**	**.6641**	**1.330**	**5.004**	**36.22**
Stddev	.0858	.1144	.3516	1.732	2.009	19.41
%RSD	153.6	59.53	52.95	130.2	40.15	53.60
#1	.0005	.0624	.2926	-.1460	6.379	57.51
#2	-.0134	.2785	.9917	.8996	2.698	31.63
#3	-.1546	.2353	.7080	3.238	5.936	19.52
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5.450**	**.0859**	**54.63**	**.2610**	**.2045**	**.9029**
Stddev	4.459	.0757	15.70	.2633	.6957	2.788
%RSD	81.82	88.10	28.74	100.9	340.3	308.7
#1	6.013	.0396	62.87	.0759	.1388	2.602
#2	9.600	.1732	36.53	.5625	.9306	2.421
#3	.7355	.0449	64.50	.1447	-.4561	-2.314
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: mb 460-112890/1-a@2 Acquired: 5/17/2012 12:03:08 Type: QC
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.335**	**-.4718**	**.1163**	**1.185**	**11.60**	**1.159**
Stddev	2.336	1.800	.4044	.033	.21	.623
%RSD	100.0	381.4	347.9	2.804	1.790	53.75
#1	4.948	1.433	-.3499	1.191	11.68	.4703
#2	.4495	-.7063	.3740	1.214	11.76	1.683
#3	1.608	-2.143	.3246	1.149	11.37	1.325
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**3.573**	**.8115**	**.7275**	**1.190**
Stddev	1.139	.0938	1.524	14.16
%RSD	31.88	11.56	209.5	1190.
#1	4.810	.7311	-.2337	4.717
#2	3.343	.7888	-.0688	-14.40
#3	2.567	.9146	2.485	13.25
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2586.7**	**28812.**	**4803.0**
Stddev	6.7	116.	19.2
%RSD	.25790	.40165	.40051
#1	2579.1	28699.	4821.5
#2	2591.9	28806.	4783.1
#3	2588.9	28931.	4804.3

Sample Name: 460-40335-a-3-a@4 Acquired: 5/17/2012 12:06:50 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**42510.**	**23.84**	**10.81**	**301.5**	**1.564**	**10870.**
Stddev	82.	2.02	.26	2.0	.072	28.
%RSD	.1930	8.489	2.392	.6603	4.618	.2547
#1	42590.	22.96	10.54	303.2	1.599	10900.
#2	42520.	26.15	11.06	301.9	1.611	10840.
#3	42420.	22.40	10.84	299.3	1.481	10870.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.198**	**36.51**	**78.76**	**15810.**	**82670.**	**1959.**
Stddev	.037	.46	1.13	22.	504.	93.
%RSD	.8923	1.253	1.429	.1376	.6091	4.723
#1	4.237	36.88	79.31	15830.	83030.	1952.
#2	4.163	36.64	79.50	15810.	82890.	2055.
#3	4.195	36.00	77.47	15780.	82100.	1871.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**15020.**	**1980.**	**657.1**	**69.58**	**253.9**	**1.119**
Stddev	92.	11.	14.5	.86	3.2	1.445
%RSD	.6103	.5394	2.214	1.241	1.275	129.1
#1	15100.	1985.	643.9	70.52	253.3	2.769
#2	15040.	1987.	672.7	69.40	257.4	.0799
#3	14920.	1967.	654.6	68.82	251.0	.5089
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-40335-a-3-a@4 Acquired: 5/17/2012 12:06:50 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.3507**	**-2.351**	**133.7**	**324.4**	**23.61**	**3.754**
Stddev	.7140	2.362	.6	1.9	.56	.277
%RSD	203.6	100.4	.4555	.5709	2.364	7.368
#1	-1.165	-5.055	133.9	326.1	23.61	3.452
#2	-.0547	-1.309	134.2	324.8	23.06	3.994
#3	.1677	-.6907	133.0	322.4	24.17	3.816
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**21.50**	**67.39**	**1295.**	**2128.**
Stddev	.69	.27	6.	12.
%RSD	3.213	.4007	.4449	.5789
#1	21.92	67.68	1300.	2143.
#2	21.89	67.35	1297.	2121.
#3	20.71	67.15	1289.	2122.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2653.5**	**29304.**	**5034.7**
Stddev	10.5	162.	13.9
%RSD	.39725	.55433	.27617
#1	2641.8	29131.	5031.1
#2	2656.5	29328.	5050.1
#3	2662.3	29453.	5023.0

Sample Name: 460-40335-a-4-a@4 Acquired: 5/17/2012 12:10:22 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**28780.**	**13.01**	**1.369**	**231.5**	**1.417**	**4707.**
Stddev	89.	.83	.679	1.2	.064	16.
%RSD	.3094	6.363	49.56	.5079	4.500	.3460
#1	28740.	12.13	1.964	232.3	1.480	4711.
#2	28880.	13.78	1.514	232.0	1.418	4721.
#3	28710.	13.12	.6301	230.2	1.352	4689.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.295**	**21.95**	**53.22**	**1004.**	**68460.**	**2247.**
Stddev	.015	.13	.77	10.	231.	53.
%RSD	1.179	.6091	1.446	.9612	.3368	2.359
#1	1.288	21.86	53.04	1008.	68500.	2186.
#2	1.284	22.10	54.06	1011.	68670.	2267.
#3	1.312	21.87	52.55	993.3	68210.	2286.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**9350.**	**834.7**	**339.5**	**49.57**	**100.8**	**-.1481**
Stddev	41.	3.6	10.8	.20	.3	.6840
%RSD	.4407	.4258	3.168	.4024	.3445	461.8
#1	9334.	837.4	340.3	49.41	101.0	-.3713
#2	9397.	835.9	349.8	49.80	100.4	.6196
#3	9319.	830.7	328.3	49.52	101.0	-.6927
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-40335-a-4-a@4 Acquired: 5/17/2012 12:10:22 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.824**	**.1781**	**74.78**	**387.7**	**14.97**	**6.502**
Stddev	5.327	3.083	.41	2.6	.43	.303
%RSD	188.7	1731.	.5416	.6608	2.883	4.657
#1	6.323	-2.991	75.24	389.7	14.77	6.366
#2	-3.307	3.168	74.51	388.7	14.68	6.292
#3	5.455	.3564	74.58	384.8	15.47	6.849
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**5.450**	**39.28**	**816.6**	**2048.**
Stddev	.153	.09	3.9	10.
%RSD	2.805	.2366	.4797	.4866
#1	5.384	39.24	812.2	2058.
#2	5.342	39.38	819.6	2038.
#3	5.625	39.21	818.1	2047.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2672.1**	**29365.**	**5007.8**
Stddev	11.1	136.	34.6
%RSD	.41364	.46292	.69112
#1	2663.2	29245.	4983.7
#2	2668.5	29336.	4992.2
#3	2684.5	29512.	5047.4

Sample Name: 460-40335-a-5-a@4 Acquired: 5/17/2012 12:13:55 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**20870.**	**9.802**	**.8154**	**218.5**	**1.511**	**5714.**
Stddev	127.	1.557	.2760	3.0	.035	42.
%RSD	.6076	15.89	33.85	1.359	2.316	.7426
#1	20850.	11.44	1.111	221.4	1.525	5672.
#2	21000.	9.632	.5652	218.6	1.536	5757.
#3	20750.	8.336	.7695	215.5	1.471	5712.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.2816**	**22.58**	**45.85**	**88.72**	**55800.**	**3164.**
Stddev	.1031	.10	.69	6.28	473.	58.
%RSD	36.61	.4341	1.500	7.081	.8480	1.846
#1	.3764	22.65	46.20	83.12	56090.	3110.
#2	.2964	22.62	46.29	95.51	56050.	3226.
#3	.1719	22.47	45.06	87.52	55250.	3156.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**9115.**	**2014.**	**312.4**	**46.63**	**34.20**	**-.5547**
Stddev	74.	13.	7.0	.67	1.50	1.509
%RSD	.8066	.6686	2.236	1.428	4.388	272.0
#1	9168.	2023.	308.3	47.16	35.30	-1.567
#2	9146.	2020.	308.5	46.86	32.49	1.179
#3	9031.	1998.	320.5	45.88	34.81	-1.277
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-40335-a-5-a@4 Acquired: 5/17/2012 12:13:55 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.613**	**1.150**	**59.32**	**106.4**	**14.76**	**.3373**
Stddev	.708	1.159	1.10	1.7	1.04	.2503
%RSD	27.11	100.8	1.852	1.560	7.034	74.22
#1	2.282	2.478	60.13	107.3	15.92	.0507
#2	3.426	.3393	59.76	107.4	14.45	.4479
#3	2.130	.6334	58.07	104.5	13.91	.5132
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**2.012**	**41.59**	**704.3**	**2183.**
Stddev	1.451	.21	2.8	13.
%RSD	72.14	.5010	.3954	.6077
#1	3.655	41.45	705.3	2168.
#2	.9024	41.83	706.4	2188.
#3	1.479	41.49	701.2	2193.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2678.1**	**29407.**	**5014.9**
Stddev	2.7	137.	25.9
%RSD	.10054	.46720	.51629
#1	2675.1	29307.	5035.3
#2	2678.8	29351.	4985.8
#3	2680.4	29564.	5023.7

Sample Name: 460-40335-a-6-a@4 Acquired: 5/17/2012 12:17:30 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**52540.**	**22.98**	**1.032**	**426.8**	**3.281**	**7535.**
Stddev	50.	1.55	.343	1.9	.031	22.
%RSD	.0951	6.732	33.18	.4473	.9503	.2869
#1	52490.	23.47	.6767	428.3	3.290	7526.
#2	52550.	21.24	1.061	427.6	3.307	7519.
#3	52590.	24.21	1.360	424.7	3.246	7560.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.6337**	**25.21**	**50.29**	**58.32**	**50360.**	**1286.**
Stddev	.0236	.40	.48	4.88	28.	8.
%RSD	3.726	1.605	.9462	8.363	.0564	.6232
#1	.6368	25.68	49.90	53.80	50380.	1294.
#2	.6087	25.01	50.82	57.67	50370.	1285.
#3	.6556	24.95	50.14	63.49	50330.	1279.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**6797.**	**1931.**	**727.1**	**41.85**	**112.9**	**-.7931**
Stddev	14.	2.	18.5	.35	.7	2.333
%RSD	.2129	.0901	2.543	.8288	.6463	294.2
#1	6806.	1931.	729.7	42.05	112.3	.6961
#2	6804.	1929.	707.4	41.45	112.7	-3.482
#3	6780.	1932.	744.1	42.05	113.7	.4070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-40335-a-6-a@4 Acquired: 5/17/2012 12:17:30 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.098**	**-.4640**	**70.62**	**165.9**	**9.013**	**.6241**
Stddev	2.381	1.805	.18	.9	1.453	.1095
%RSD	113.5	388.9	.2575	.5208	16.13	17.54
#1	.4772	-2.200	70.63	166.6	10.69	.5046
#2	.9843	1.402	70.43	166.3	8.107	.7195
#3	4.831	-.5945	70.80	165.0	8.243	.6484
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**7.851**	**59.35**	**796.7**	**2321.**
Stddev	.657	.16	2.1	18.
%RSD	8.374	.2723	.2609	.7561
#1	8.557	59.17	794.3	2328.
#2	7.742	59.41	798.1	2333.
#3	7.255	59.47	797.7	2301.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2873.1**	**31634.**	**5412.1**
Stddev	6.4	8.	24.4
%RSD	.22242	.02498	.45083
#1	2877.6	31627.	5438.6
#2	2876.0	31643.	5407.1
#3	2865.8	31632.	5390.5

Sample Name: 460-40335-a-7-a@4 Acquired: 5/17/2012 12:21:04 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**23160.**	**8.357**	**1.731**	**188.1**	**1.417**	**7745.**
Stddev	84.	.110	.341	.6	.288	26.
%RSD	.3629	1.311	19.70	.3125	20.34	.3376
#1	23230.	8.483	1.474	188.3	1.090	7762.
#2	23180.	8.288	1.601	188.5	1.529	7757.
#3	23070.	8.299	2.118	187.4	1.632	7715.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.594**	**28.98**	**52.74**	**655.8**	**61030.**	**2379.**
Stddev	.146	.22	.65	5.1	255.	22.
%RSD	9.191	.7484	1.241	.7798	.4184	.9213
#1	1.485	29.06	53.50	655.5	61320.	2397.
#2	1.537	29.14	52.33	650.9	60910.	2386.
#3	1.761	28.73	52.40	661.1	60850.	2354.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**11010.**	**1721.**	**560.5**	**53.61**	**119.5**	**.1751**
Stddev	47.	7.	7.5	.60	.9	1.873
%RSD	.4245	.4176	1.341	1.118	.7826	1070.
#1	11060.	1730.	566.8	54.20	118.7	2.278
#2	10970.	1717.	562.6	53.61	120.5	-1.315
#3	10990.	1718.	552.2	53.00	119.2	-.4376
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-40335-a-7-a@4 Acquired: 5/17/2012 12:21:04 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.924**	**-3.282**	**84.08**	**193.0**	**17.35**	**1.254**
Stddev	3.915	1.979	1.14	.7	.90	.164
%RSD	203.5	60.30	1.352	.3481	5.165	13.05
#1	6.443	-3.842	85.39	193.8	17.70	1.443
#2	-.4445	-1.083	83.53	192.9	18.02	1.154
#3	-.2271	-4.921	83.32	192.4	16.33	1.164
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**4.187**	**42.16**	**878.5**	**1891.**
Stddev	1.742	.19	2.6	18.
%RSD	41.61	.4597	.2926	.9620
#1	6.047	42.19	877.4	1870.
#2	2.593	42.33	881.4	1897.
#3	3.920	41.95	876.6	1905.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2655.3**	**29336.**	**4958.9**
Stddev	8.2	118.	24.1
%RSD	.30906	.40280	.48677
#1	2646.1	29202.	4938.6
#2	2662.0	29424.	4952.5
#3	2657.7	29382.	4985.5

Sample Name: 460-40335-a-8-a@4 Acquired: 5/17/2012 12:24:39 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**33800.**	**14.02**	**3.266**	**209.6**	**1.269**	**14380.**
Stddev	71.	.98	.434	2.3	.138	46.
%RSD	.2093	6.988	13.29	1.081	10.88	.3198
#1	33850.	13.68	3.043	210.8	1.319	14430.
#2	33840.	15.12	2.989	210.9	1.375	14360.
#3	33720.	13.25	3.767	207.0	1.113	14340.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.312**	**49.50**	**98.22**	**1785.**	**99950.**	**1907.**
Stddev	.120	.94	.86	14.	509.	40.
%RSD	5.188	1.899	.8718	.7619	.5095	2.111
#1	2.264	50.46	98.97	1799.	100300.	1905.
#2	2.448	49.47	98.42	1786.	100200.	1868.
#3	2.223	48.58	97.29	1771.	99360.	1948.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**19510.**	**1761.**	**1431.**	**87.93**	**294.4**	**-1.305**
Stddev	79.	11.	18.	1.44	1.9	1.875
%RSD	.4043	.6109	1.230	1.634	.6387	143.7
#1	19510.	1770.	1428.	88.77	295.8	-3.248
#2	19590.	1764.	1451.	88.75	295.2	-1.159
#3	19430.	1749.	1416.	86.27	292.3	.4929
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-40335-a-8-a@4 Acquired: 5/17/2012 12:24:39 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.512**	**-1.773**	**187.1**	**322.7**	**25.05**	**3.353**
Stddev	2.224	1.339	1.2	3.6	.80	.422
%RSD	63.33	75.53	.6460	1.125	3.179	12.57
#1	6.029	-1.695	188.1	325.1	25.67	3.556
#2	1.809	-3.150	187.4	324.5	24.16	3.635
#3	2.699	-.4749	185.8	318.6	25.33	2.868
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**11.08**	**93.48**	**1567.**	**1970.**
Stddev	.78	.37	2.	8.
%RSD	7.045	.3960	.1348	.3821
#1	11.38	93.66	1569.	1978.
#2	10.20	93.74	1568.	1970.
#3	11.68	93.06	1565.	1963.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2672.4**	**29405.**	**5024.1**
Stddev	16.0	175.	14.4
%RSD	.59973	.59626	.28649
#1	2657.9	29232.	5008.6
#2	2669.6	29403.	5037.0
#3	2689.6	29582.	5026.8

Sample Name: 460-40335-a-9-a@4 Acquired: 5/17/2012 12:28:09 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**40210.**	**16.23**	**53.46**	**320.9**	**1.780**	**47400.**
Stddev	70.	.37	.83	2.1	.080	68.
%RSD	.1736	2.295	1.551	.6562	4.512	.1424
#1	40130.	16.57	53.98	322.9	1.783	47340.
#2	40260.	15.84	53.90	321.0	1.859	47400.
#3	40230.	16.29	52.51	318.7	1.699	47470.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.806**	**32.94**	**86.74**	**4873.**	**79980.**	**3004.**
Stddev	.065	.59	.55	12.	325.	53.
%RSD	2.307	1.792	.6299	.2501	.4064	1.773
#1	2.742	33.20	87.08	4886.	80350.	2994.
#2	2.803	33.36	86.11	4869.	79840.	3062.
#3	2.871	32.27	87.03	4863.	79740.	2957.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**19440.**	**1691.**	**1658.**	**81.64**	**207.7**	**-.3201**
Stddev	85.	8.	7.	.65	1.9	1.524
%RSD	.4393	.4466	.4192	.7914	.9251	476.1
#1	19540.	1700.	1658.	82.12	206.9	-2.074
#2	19390.	1688.	1665.	81.88	209.8	.6737
#3	19400.	1686.	1651.	80.90	206.2	.4405
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-40335-a-9-a@4 Acquired: 5/17/2012 12:28:09 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.150**	**-.7015**	**132.3**	**941.9**	**54.49**	**17.38**
Stddev	3.511	.6576	.4	6.2	1.63	.16
%RSD	163.3	93.74	.2866	.6566	2.988	.9382
#1	-1.650	-.3753	132.3	947.6	55.62	17.39
#2	2.826	-1.458	132.6	942.9	55.23	17.54
#3	5.274	-.2708	131.9	935.3	52.62	17.22
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**23.66**	**219.7**	**1819.**	**2518.**
Stddev	.69	.4	4.	79.
%RSD	2.909	.1820	.2180	3.143
#1	24.45	219.3	1823.	2609.
#2	23.32	220.1	1817.	2476.
#3	23.21	219.7	1816.	2468.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2652.5**	**29239.**	**5059.9**
Stddev	.8	133.	19.2
%RSD	.03099	.45447	.37993
#1	2651.5	29133.	5080.8
#2	2652.8	29388.	5043.0
#3	2653.0	29194.	5055.7

Sample Name: 460-40335-a-10-a@4 Acquired: 5/17/2012 12:31:42 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**24230.**	**13.94**	**2.277**	**164.1**	**.9284**	**48340.**
Stddev	55.	1.08	.245	.5	.0326	126.
%RSD	.2263	7.777	10.76	.3169	3.513	.2614
#1	24270.	15.18	2.511	164.5	.9296	48440.
#2	24250.	13.25	2.299	164.2	.9605	48380.
#3	24170.	13.37	2.022	163.5	.8953	48200.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.6756**	**34.67**	**52.10**	**343.8**	**57380.**	**1998.**
Stddev	.0301	.52	.69	1.0	250.	17.
%RSD	4.461	1.509	1.323	.2878	.4361	.8432
#1	.6412	35.13	52.82	344.6	57670.	2010.
#2	.6972	34.77	51.44	344.0	57280.	2006.
#3	.6886	34.10	52.06	342.7	57200.	1979.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**13770.**	**901.6**	**773.2**	**50.23**	**59.46**	**-4.145**
Stddev	89.	4.1	13.1	.55	1.82	3.561
%RSD	.6454	.4533	1.698	1.085	3.057	85.92
#1	13870.	906.3	761.2	50.56	61.28	-7.871
#2	13760.	899.7	771.2	50.54	59.46	-3.790
#3	13690.	898.8	787.2	49.61	57.64	-.7746
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-40335-a-10-a@4 Acquired: 5/17/2012 12:31:42 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.203**	**-1.579**	**98.61**	**156.4**	**49.55**	**1.585**
Stddev	1.042	2.474	1.01	1.0	1.15	.295
%RSD	47.29	156.7	1.021	.6291	2.318	18.62
#1	3.399	-3.241	99.77	157.3	50.64	1.260
#2	1.496	1.265	98.02	156.6	48.35	1.837
#3	1.713	-2.760	98.04	155.4	49.66	1.657
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**3.492**	**178.9**	**1533.**	**2149.**
Stddev	.872	.6	6.	31.
%RSD	24.96	.3267	.4031	1.447
#1	2.486	179.6	1539.	2174.
#2	3.968	178.7	1534.	2158.
#3	4.022	178.5	1527.	2114.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2630.6**	**28980.**	**4962.8**
Stddev	2.3	78.	15.5
%RSD	.08893	.26865	.31251
#1	2629.7	28915.	4947.3
#2	2633.2	28959.	4962.8
#3	2628.8	29066.	4978.3

Sample Name: 460-40335-a-11-a@4 Acquired: 5/17/2012 12:35:17 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**32230.**	**22.19**	**11.14**	**350.0**	**1.191**	**13940.**
Stddev	126.	2.37	.75	2.3	.200	46.
%RSD	.3894	10.69	6.776	.6554	16.76	.3285
#1	32290.	23.48	11.14	352.4	1.153	13970.
#2	32310.	23.64	11.89	349.7	1.012	13970.
#3	32080.	19.45	10.38	347.8	1.406	13890.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.406**	**26.42**	**96.08**	**6209.**	**83420.**	**2568.**
Stddev	.170	.26	.49	17.	301.	89.
%RSD	4.977	.9899	.5069	.2738	.3604	3.469
#1	3.470	26.71	96.28	6195.	83760.	2575.
#2	3.533	26.36	96.43	6228.	83250.	2475.
#3	3.213	26.20	95.52	6204.	83230.	2653.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**11680.**	**1004.**	**554.1**	**57.54**	**481.7**	**2.456**
Stddev	30.	3.	15.4	.73	.8	.579
%RSD	.2591	.3159	2.781	1.268	.1596	23.59
#1	11710.	1008.	568.6	57.96	482.6	2.641
#2	11650.	1003.	537.9	57.96	481.5	1.807
#3	11670.	1002.	555.9	56.70	481.1	2.921
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-40335-a-11-a@4 Acquired: 5/17/2012 12:35:17 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.308**	**-2.931**	**171.0**	**419.7**	**36.89**	**13.73**
Stddev	2.926	1.068	1.2	2.0	1.37	.49
%RSD	223.7	36.43	.7241	.4675	3.700	3.591
#1	1.447	-2.555	172.5	421.9	38.06	14.25
#2	-1.685	-4.136	170.2	418.9	35.39	13.67
#3	4.163	-2.102	170.5	418.2	37.22	13.26
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**22.92**	**130.3**	**1743.**	**2411.**
Stddev	.17	.5	1.	23.
%RSD	.7602	.4162	.0707	.9427
#1	22.85	130.2	1743.	2391.
#2	23.12	130.9	1744.	2407.
#3	22.80	129.9	1742.	2435.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2664.8**	**29344.**	**5006.6**
Stddev	16.5	223.	43.5
%RSD	.62059	.75875	.86976
#1	2646.0	29089.	4965.0
#2	2671.5	29501.	5003.0
#3	2677.0	29441.	5051.8

Sample Name: CCV Acquired: 5/17/2012 12:38:50 Type: QC
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**126600.**	**2555.**	**1255.**	**10280.**	**989.1**	**125700.**
Stddev	468.	8.	3.	35.	3.3	486.
%RSD	.3691	.3188	.2706	.3403	.3329	.3866
#1	126300.	2559.	1251.	10310.	985.7	125300.
#2	126500.	2560.	1257.	10300.	989.6	125500.
#3	127200.	2545.	1257.	10240.	992.2	126200.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1297.**	**2551.**	**5130.**	**12480.**	**102100.**	**50030.**
Stddev	5.	11.	11.	52.	229.	104.
%RSD	.3521	.4223	.2225	.4137	.2244	.2087
#1	1301.	2560.	5123.	12430.	101900.	49990.
#2	1299.	2555.	5143.	12470.	102300.	49950.
#3	1292.	2539.	5124.	12530.	102000.	50150.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**126900.**	**5176.**	**124000.**	**2588.**	**7735.**	**1034.**
Stddev	348.	5.	515.	13.	29.	3.
%RSD	.2739	.0882	.4156	.5055	.3709	.2980
#1	126700.	5172.	123500.	2599.	7757.	1034.
#2	127300.	5181.	123800.	2591.	7744.	1031.
#3	126700.	5174.	124500.	2573.	7702.	1037.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 5/17/2012 12:38:50 Type: QC
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2517.**	**2624.**	**2537.**	**2547.**	**1010.**	**2572.**
Stddev	11.	16.	5.	8.	3.	11.
%RSD	.4452	.6028	.1959	.3152	.3326	.4440
#1	2524.	2637.	2533.	2553.	1010.	2581.
#2	2522.	2627.	2542.	2550.	1014.	2577.
#3	2504.	2606.	2535.	2538.	1007.	2560.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1024.**	**5057.**	**10040.**	**10030.**
Stddev	4.	17.	35.	70.
%RSD	.4231	.3434	.3437	.6979
#1	1025.	5045.	10000.	9972.
#2	1027.	5049.	10050.	10110.
#3	1019.	5077.	10070.	10020.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2429.3**	**26572.**	**4758.0**
Stddev	6.8	73.	21.0
%RSD	.27888	.27584	.44079
#1	2423.5	26656.	4761.4
#2	2427.7	26518.	4777.0
#3	2436.7	26544.	4735.5

Sample Name: CCB Acquired: 5/17/2012 12:42:09 Type: QC
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**27.41**	**2.229**	**-.0033**	**.7042**	**.1493**	**7.704**
Stddev	3.03	1.219	.5853	.4527	.0611	9.108
%RSD	11.05	54.66	17700.	64.29	40.95	118.2
#1	27.46	3.218	-.1752	1.221	.2194	-2.181
#2	30.41	.8679	.6487	.5159	.1216	9.537
#3	24.35	2.603	-.4834	.3760	.1069	15.76
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0472**	**.3206**	**.3237**	**6.036**	**7.862**	**111.1**
Stddev	.1164	.1964	.6988	5.229	12.72	31.5
%RSD	246.7	61.26	215.9	86.62	161.7	28.33
#1	.1324	.5358	1.114	11.91	12.80	122.4
#2	-.0854	.2748	.0689	4.287	17.37	75.49
#3	.0945	.1511	-.2120	1.906	-6.581	135.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**12.42**	**.5822**	**51.94**	**.4497**	**1.497**	**2.013**
Stddev	6.32	.4021	29.24	.1231	.164	3.334
%RSD	50.86	69.07	56.31	27.37	10.94	165.6
#1	19.72	.9907	84.26	.5648	1.589	4.642
#2	8.607	.5693	44.24	.4644	1.594	3.134
#3	8.945	.1867	27.31	.3199	1.308	-1.736
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 5/17/2012 12:42:09 Type: QC
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.910**	**.6454**	**.0627**	**-.0306**	**2.092**	**6.799**
Stddev	3.535	.3714	.1357	.1608	.836	1.013
%RSD	121.5	57.55	216.5	525.8	39.97	14.90
#1	6.403	.2714	-.0691	.0528	2.574	5.647
#2	-.6655	1.014	.0552	.0715	2.575	7.550
#3	2.992	.6506	.2019	-.2160	1.126	7.202
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.3129**	**.6881**	**1.914**	**2.871**
Stddev	1.193	.6207	.557	25.05
%RSD	381.2	90.20	29.09	872.4
#1	.1601	1.335	1.319	-25.81
#2	.5709	.6322	2.002	13.95
#3	-1.670	.0972	2.422	20.47
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2605.9**	**28830.**	**4802.2**
Stddev	9.1	81.	14.5
%RSD	.35071	.28230	.30254
#1	2613.3	28890.	4815.6
#2	2608.8	28862.	4804.3
#3	2595.7	28737.	4786.8

Sample Name: 460-40335-a-12-a@4 Acquired: 5/17/2012 12:45:53 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**22940.**	**17.51**	**8.093**	**431.8**	**1.063**	**27030.**
Stddev	70.	1.33	.555	3.4	.120	59.
%RSD	.3053	7.607	6.858	.7962	11.27	.2170
#1	22960.	16.40	8.197	435.6	.9327	27010.
#2	23000.	17.15	8.588	430.9	1.168	27100.
#3	22860.	18.99	7.493	429.0	1.088	26990.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**13.57**	**31.15**	**86.89**	F **33140.**	**68840.**	**1480.**
Stddev	.22	.47	.78	57.	412.	107.
%RSD	1.588	1.502	.8971	.1720	.5979	7.226
#1	13.81	31.41	87.40	33120.	69300.	1366.
#2	13.39	31.43	85.99	33200.	68700.	1578.
#3	13.51	30.61	87.28	33090.	68510.	1497.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				25000.		
Low Limit				-50.00		

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**12100.**	**2901.**	**482.8**	**86.22**	**1450.**	**4.546**
Stddev	52.	13.	21.3	1.28	8.	1.400
%RSD	.4314	.4629	4.411	1.483	.5528	30.80
#1	12160.	2916.	504.6	87.57	1459.	5.982
#2	12080.	2896.	481.8	86.05	1447.	3.185
#3	12070.	2890.	462.1	85.03	1444.	4.472
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-40335-a-12-a@4 Acquired: 5/17/2012 12:45:53 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.045**	**-1.272**	**76.10**	**842.5**	**7.244**	**8.161**
Stddev	2.243	1.811	.99	6.4	.959	.130
%RSD	214.7	142.4	1.305	.7548	13.24	1.593
#1	-1.387	-2.294	76.99	849.8	8.120	8.044
#2	-3.098	-2.340	76.29	839.8	7.391	8.139
#3	1.350	.8189	75.03	838.0	6.220	8.301
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**15.81**	**93.51**	**1001.**	**2354.**
Stddev	.68	.20	4.	11.
%RSD	4.273	.2147	.3702	.4657
#1	16.45	93.73	999.8	2359.
#2	15.11	93.33	1005.	2361.
#3	15.88	93.47	997.8	2341.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2611.3**	**28918.**	**4957.8**
Stddev	22.2	233.	23.0
%RSD	.84924	.80728	.46424
#1	2586.3	28649.	4937.8
#2	2619.0	29040.	4952.7
#3	2628.5	29065.	4982.9

Sample Name: 460-40254-a-12-a@4 Acquired: 5/17/2012 12:49:25 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**69320.**	**22.47**	**2.766**	**416.5**	**1.532**	**21810.**
Stddev	309.	2.09	.227	2.3	.052	82.
%RSD	.4456	9.294	8.209	.5447	3.410	.3754
#1	69380.	20.08	2.702	416.5	1.539	21870.
#2	69590.	23.91	2.578	418.7	1.580	21850.
#3	68980.	23.43	3.018	414.2	1.476	21720.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.072**	**47.42**	**121.7**	**210.6**	**117200.**	**14670.**
Stddev	.167	.55	.7	8.1	413.	68.
%RSD	15.53	1.155	.5843	3.839	.3521	.4633
#1	1.261	47.49	121.0	219.8	117500.	14730.
#2	.9441	47.92	122.5	204.5	117500.	14600.
#3	1.013	46.84	121.7	207.5	116800.	14680.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**29840.**	**1838.**	**3494.**	**90.33**	**216.3**	**-1.705**
Stddev	102.	5.	29.	.81	1.1	1.801
%RSD	.3425	.2899	.8276	.8919	.5150	105.6
#1	29850.	1843.	3474.	90.58	215.0	-2.191
#2	29930.	1840.	3527.	90.98	217.0	-3.214
#3	29730.	1832.	3481.	89.43	216.8	.2885
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-40254-a-12-a@4 Acquired: 5/17/2012 12:49:25 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5.754**	**1.038**	**183.7**	**401.6**	**31.31**	**.5548**
Stddev	3.536	2.918	1.1	1.9	.15	.1392
%RSD	61.44	281.0	.5953	.4695	.4904	25.10
#1	7.930	-1.790	184.2	402.7	31.40	.7044
#2	1.675	4.038	184.5	402.6	31.40	.4289
#3	7.659	.8679	182.5	399.4	31.14	.5310
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**10.10**	**96.73**	**5471.**	**694.2**
Stddev	.51	.47	35.	14.6
%RSD	5.079	.4819	.6359	2.109
#1	9.523	96.84	5481.	677.4
#2	10.51	97.14	5500.	701.6
#3	10.27	96.23	5433.	703.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2671.5**	**29194.**	**5050.0**
Stddev	5.9	83.	15.9
%RSD	.21916	.28593	.31460
#1	2664.9	29144.	5039.9
#2	2673.4	29147.	5041.8
#3	2676.1	29290.	5068.3

Sample Name: 460-40261-a-1-a@20 Acquired: 5/17/2012 12:52:58 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2056.**	**4.465**	**.0593**	**63.98**	**.7864**	**20200.**
Stddev	20.	1.278	.8772	.22	.0893	32.
%RSD	.9887	28.62	1479.	.3376	11.35	.1580
#1	2078.	5.929	.4167	64.21	.6881	20240.
#2	2038.	3.578	.7014	63.97	.8624	20200.
#3	2053.	3.888	-.9402	63.77	.8087	20170.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.2642**	**23.54**	**25.98**	**256.1**	**13690.**	**257.6**
Stddev	.1493	.34	.36	4.9	122.	65.7
%RSD	56.50	1.456	1.404	1.904	.8909	25.49
#1	.1811	23.49	25.58	256.1	13820.	306.8
#2	.4366	23.91	26.29	251.2	13680.	282.9
#3	.1750	23.23	26.08	260.9	13580.	183.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2810.**	**130.5**	**299.0**	**40.02**	**232.3**	**1.189**
Stddev	23.	.7	8.8	.32	1.4	2.284
%RSD	.8035	.5694	2.943	.8089	.5864	192.1
#1	2836.	131.2	307.5	39.90	233.7	3.790
#2	2800.	130.6	299.7	40.39	232.3	-.4913
#3	2795.	129.7	289.9	39.78	231.0	.2689
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-40261-a-1-a@20 Acquired: 5/17/2012 12:52:58 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-2.957**	**-.7026**	**7.989**	**2753.**	**6.982**	**10.82**
Stddev	2.650	2.811	.564	18.	1.004	.33
%RSD	89.60	400.1	7.055	.6504	14.39	3.037
#1	.0478	-3.195	7.771	2764.	6.728	10.55
#2	-3.961	-1.257	7.567	2763.	8.089	11.19
#3	-4.958	2.345	8.629	2732.	6.128	10.73
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**67.69**	**69.32**	**94.49**	**505.3**
Stddev	1.18	.17	.24	1.8
%RSD	1.741	.2489	.2506	.3532
#1	67.83	69.51	94.31	506.3
#2	68.79	69.19	94.40	506.4
#3	66.45	69.25	94.76	503.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2619.7**	**28963.**	**4912.9**
Stddev	1.0	61.	10.3
%RSD	.03922	.21017	.20989
#1	2618.9	28907.	4924.7
#2	2620.9	29028.	4906.3
#3	2619.4	28954.	4907.5

Sample Name: 460-40154-b-1-b@50 Acquired: 5/17/2012 12:56:34 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1643.**	**3.780**	**.0254**	**58.42**	**.5655**	**6735.**
Stddev	18.	1.564	.4063	.26	.0835	21.
%RSD	1.077	41.38	1598.	.4409	14.77	.3171
#1	1624.	4.339	.1685	58.56	.5213	6758.
#2	1643.	4.988	-.4330	58.58	.6619	6716.
#3	1660.	2.013	.3408	58.12	.5133	6733.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.1558**	**21.26**	**26.06**	**269.7**	**12150.**	**192.9**
Stddev	.1088	.02	.36	2.9	32.	46.6
%RSD	69.86	.0991	1.369	1.088	.2615	24.15
#1	.0663	21.27	25.65	272.7	12190.	229.3
#2	.2769	21.24	26.23	269.6	12140.	140.4
#3	.1241	21.28	26.30	266.8	12140.	208.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1036.**	**139.7**	**167.1**	**39.61**	**219.5**	**2.525**
Stddev	4.	.5	10.9	.36	.7	3.571
%RSD	.4124	.3834	6.541	.9190	.3032	141.4
#1	1036.	140.3	179.2	39.59	218.7	5.873
#2	1032.	139.2	158.0	39.26	220.1	-1.233
#3	1040.	139.7	164.1	39.98	219.6	2.935
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-40154-b-1-b@50 Acquired: 5/17/2012 12:56:34 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.5561**	**.2813**	**4.431**	**2678.**	**8.317**	**9.596**
Stddev	1.186	.5305	.058	6.	.729	.542
%RSD	213.2	188.6	1.316	.2143	8.768	5.644
#1	-.4341	.6421	4.470	2683.	8.109	9.323
#2	-1.798	-.3278	4.364	2680.	7.714	10.22
#3	.5637	.5297	4.460	2672.	9.128	9.246
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**65.34**	**32.97**	**61.92**	**105.9**
Stddev	.40	.02	.88	13.7
%RSD	.6087	.0630	1.421	12.93
#1	64.89	32.95	62.91	96.01
#2	65.65	32.98	61.22	121.6
#3	65.48	32.99	61.64	100.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2628.8**	**28972.**	**4854.7**
Stddev	2.7	76.	9.6
%RSD	.10174	.26231	.19680
#1	2630.7	28886.	4846.4
#2	2630.1	29000.	4852.6
#3	2625.8	29030.	4865.1

Sample Name: 460-40154-b-11-b@10 Acquired: 5/17/2012 13:00:11 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5275.**	**9.782**	**.5467**	**132.4**	**6.777**	**34410.**
Stddev	51.	.595	.3304	.4	.213	200.
%RSD	.9639	6.083	60.43	.2764	3.143	.5806
#1	5219.	10.47	.3352	132.1	6.536	34200.
#2	5290.	9.495	.9274	132.2	6.940	34420.
#3	5317.	9.385	.3775	132.8	6.854	34600.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.5400**	**27.65**	**35.26**	**392.4**	**21980.**	**550.9**
Stddev	.1315	.07	.22	1.5	40.	29.5
%RSD	24.35	.2547	.6294	.3791	.1826	5.353
#1	.6277	27.70	35.50	392.3	21940.	522.1
#2	.3888	27.67	35.07	391.1	22010.	549.7
#3	.6035	27.57	35.20	394.0	22000.	581.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**8467.**	**307.6**	**657.7**	**67.98**	**439.2**	**-.2896**
Stddev	28.	.9	6.2	.05	2.8	2.583
%RSD	.3316	.2776	.9391	.0712	.6368	892.1
#1	8440.	307.1	652.0	67.93	436.1	-.3063
#2	8464.	307.0	656.7	67.98	439.9	-2.864
#3	8496.	308.5	664.3	68.03	441.6	2.302
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-40154-b-11-b@10 Acquired: 5/17/2012 13:00:11 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.853**	**-.8139**	**30.78**	**3964.**	**11.72**	**7.316**
Stddev	3.702	1.382	.37	13.	.95	.349
%RSD	199.8	169.8	1.198	.3366	8.090	4.773
#1	2.685	.4201	30.47	3950.	12.01	7.418
#2	5.068	-2.307	31.19	3966.	10.67	7.602
#3	-2.194	-.5546	30.67	3976.	12.50	6.927
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**100.3**	**81.99**	**254.8**	**1621.**
Stddev	.1	.61	1.7	42.
%RSD	.0505	.7478	.6844	2.617
#1	100.4	81.44	253.0	1668.
#2	100.3	81.88	254.8	1610.
#3	100.3	82.66	256.5	1585.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2616.6**	**28782.**	**4884.5**
Stddev	7.3	175.	7.5
%RSD	.27769	.60749	.15269
#1	2608.3	28597.	4884.4
#2	2620.2	28804.	4877.1
#3	2621.4	28944.	4892.1

Sample Name: 460-40258-a-9-f du@4 Acquired: 5/17/2012 13:03:47 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**16230.**	**10.25**	**.7354**	**217.1**	**.8508**	**15990.**
Stddev	46.	1.40	.4079	.2	.1894	73.
%RSD	.2857	13.67	55.47	.1114	22.26	.4537
#1	16290.	10.08	1.001	216.9	.7024	16070.
#2	16200.	11.72	.9393	217.1	1.064	15990.
#3	16220.	8.935	.2657	217.3	.7859	15920.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.2564**	**23.74**	**56.49**	**57.69**	**67420.**	**4032.**
Stddev	.1095	.22	.21	2.50	167.	74.
%RSD	42.71	.9116	.3702	4.327	.2476	1.827
#1	.2917	23.73	56.37	57.91	67610.	3963.
#2	.3439	23.53	56.73	55.09	67300.	4025.
#3	.1336	23.96	56.36	60.07	67360.	4109.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**14370.**	**1274.**	**788.2**	**67.04**	**22.37**	**-2.970**
Stddev	46.	4.	1.1	.23	.83	.244
%RSD	.3232	.2929	.1408	.3460	3.721	8.204
#1	14410.	1278.	788.8	66.78	23.21	-3.252
#2	14320.	1272.	786.9	67.10	22.35	-2.829
#3	14380.	1271.	788.8	67.23	21.55	-2.830
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-40258-a-9-f du@4 Acquired: 5/17/2012 13:03:47 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.119**	**.4887**	**82.53**	**120.9**	**10.54**	**-.0788**
Stddev	1.942	1.351	.24	.8	.61	.3899
%RSD	173.6	276.6	.2899	.6336	5.799	495.2
#1	-1.124	1.185	82.75	121.4	11.17	-.3613
#2	2.243	-1.069	82.28	121.3	9.955	.3661
#3	2.237	1.350	82.57	120.0	10.49	-.2411
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**4.492**	**55.95**	**1240.**	**910.7**
Stddev	.872	.17	6.	6.9
%RSD	19.42	.3003	.5156	.7625
#1	4.022	56.14	1247.	916.3
#2	5.498	55.83	1238.	912.9
#3	3.956	55.87	1235.	903.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2680.1**	**29472.**	**5047.2**
Stddev	8.3	103.	33.7
%RSD	.31109	.35107	.66708
#1	2688.7	29422.	5020.7
#2	2679.6	29591.	5085.1
#3	2672.0	29404.	5035.8

Sample Name: 460-40258-a-9-e@4 Acquired: 5/17/2012 13:07:22 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**16790.**	**8.451**	**.9088**	**226.1**	**1.004**	**26080.**
Stddev	85.	1.708	1.166	2.5	.077	56.
%RSD	.5062	20.22	128.3	1.110	7.636	.2158
#1	16850.	10.42	.9162	228.0	1.074	26050.
#2	16830.	7.345	2.071	227.1	.9221	26140.
#3	16700.	7.588	-.2605	223.3	1.017	26040.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.4137**	**23.91**	**54.26**	**66.11**	**71020.**	**3934.**
Stddev	.0720	.49	.72	2.73	475.	37.
%RSD	17.41	2.041	1.322	4.127	.6689	.9524
#1	.4831	24.13	54.59	69.16	71410.	3893.
#2	.4186	24.24	54.75	65.28	71160.	3966.
#3	.3393	23.35	53.43	63.90	70490.	3942.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**14580.**	**1505.**	**804.1**	**55.63**	**22.80**	**-.8501**
Stddev	91.	8.	16.6	.91	.40	2.555
%RSD	.6206	.5077	2.062	1.635	1.760	300.6
#1	14670.	1511.	788.3	55.93	22.45	1.704
#2	14590.	1506.	821.4	56.35	23.24	-3.406
#3	14490.	1496.	802.5	54.60	22.72	-.8485
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-40258-a-9-e@4 Acquired: 5/17/2012 13:07:22 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.545**	**-.0979**	**95.48**	**122.7**	**9.934**	**-.3035**
Stddev	3.141	.8982	.33	1.5	1.273	.2066
%RSD	203.4	917.2	.3497	1.245	12.81	68.07
#1	2.665	-.5490	95.19	124.0	11.14	-.0731
#2	3.972	.9364	95.84	123.2	10.05	-.4723
#3	-2.003	-.6812	95.40	121.0	8.607	-.3652
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**3.264**	**69.48**	**1251.**	**812.5**
Stddev	.805	.33	10.	22.0
%RSD	24.67	.4796	.7963	2.712
#1	4.123	69.65	1255.	817.1
#2	3.145	69.68	1259.	788.5
#3	2.525	69.09	1240.	831.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2658.0**	**29364.**	**5015.5**
Stddev	5.1	74.	3.2
%RSD	.19332	.25291	.06427
#1	2653.3	29290.	5015.7
#2	2657.1	29438.	5018.7
#3	2663.5	29364.	5012.2

Sample Name: sd 460-40258-a-9-e@2 Acquired: 5/17/2012 13:10:56 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3395.**	**4.115**	**-.6595**	**45.61**	**.1378**	**5301.**
Stddev	18.	2.481	.1027	.42	.1634	19.
%RSD	.5396	60.30	15.57	.9316	118.6	.3646
#1	3409.	6.966	-.6831	46.00	.2684	5313.
#2	3374.	2.942	-.7483	45.69	-.0454	5311.
#3	3401.	2.438	-.5470	45.16	.1905	5279.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0547**	**5.126**	**10.99**	**12.48**	**14450.**	**771.3**
Stddev	.0582	.259	.27	2.31	62.	38.7
%RSD	106.4	5.049	2.410	18.53	.4323	5.018
#1	.0327	4.872	11.22	14.49	14520.	814.7
#2	.0107	5.390	10.70	12.98	14410.	758.9
#3	.1207	5.115	11.06	9.952	14410.	740.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2984.**	**304.8**	**172.1**	**11.70**	**4.453**	**-.5415**
Stddev	14.	1.1	9.9	.36	1.403	1.059
%RSD	.4560	.3480	5.732	3.085	31.51	195.5
#1	3000.	306.0	169.9	11.79	4.452	.6017
#2	2977.	303.9	182.9	12.01	5.856	-1.488
#3	2976.	304.6	163.5	11.30	3.050	-.7386
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd 460-40258-a-9-e@2 Acquired: 5/17/2012 13:10:56 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.5077**	**-.0172**	**19.08**	**25.37**	**2.106**	**-.5525**
Stddev	.9472	1.260	.46	.21	.769	.0249
%RSD	186.5	7340.	2.437	.8164	36.53	4.502
#1	-1.290	-1.452	19.56	25.42	2.621	-.5405
#2	.5453	.4929	19.06	25.54	2.476	-.5811
#3	-.7783	.9075	18.63	25.14	1.222	-.5360
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.0099**	**13.90**	**249.2**	**131.2**
Stddev	.6484	.32	1.0	8.5
%RSD	6570.	2.294	.3997	6.492
#1	-.3267	14.23	248.1	131.5
#2	.7360	13.88	249.9	122.6
#3	-.4389	13.60	249.6	139.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2644.7**	**29284.**	**4897.1**
Stddev	6.0	134.	36.6
%RSD	.22854	.45693	.74797
#1	2643.5	29131.	4855.0
#2	2639.3	29377.	4914.4
#3	2651.2	29345.	4921.9

Sample Name: 460-40258-a-9-g ms@4 Acquired: 5/17/2012 13:14:35 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**23510.**	**940.3**	**24.63**	**1275.**	**24.46**	**26020.**
Stddev	23.	9.7	.25	11.	.08	71.
%RSD	.0962	1.032	1.004	.8670	.3131	.2721
#1	23480.	944.0	24.66	1281.	24.43	25930.
#2	23520.	947.5	24.86	1281.	24.41	26060.
#3	23520.	929.3	24.37	1262.	24.55	26050.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**24.95**	**272.1**	**161.5**	**188.2**	**79490.**	**13600.**
Stddev	.18	2.4	.4	2.3	282.	86.
%RSD	.7402	.8837	.2250	1.199	.3541	.6326
#1	25.07	274.0	161.8	190.8	79620.	13520.
#2	25.03	272.8	161.7	186.7	79680.	13690.
#3	24.73	269.4	161.1	187.2	79170.	13590.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**23210.**	**1711.**	**10320.**	**312.8**	**275.4**	**175.5**
Stddev	52.	7.	30.	2.8	1.3	3.9
%RSD	.2221	.3799	.2872	.9093	.4609	2.207
#1	23210.	1713.	10290.	314.6	275.5	177.4
#2	23270.	1717.	10340.	314.4	276.6	178.0
#3	23160.	1704.	10330.	309.5	274.1	171.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-40258-a-9-g ms@4 Acquired: 5/17/2012 13:14:35 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**913.9**	**1036.**	**350.6**	**369.5**	**242.1**	**239.3**
Stddev	2.2	12.	2.0	2.8	1.0	2.6
%RSD	.2397	1.142	.5592	.7613	.4114	1.085
#1	915.9	1045.	350.6	371.1	242.3	240.9
#2	914.3	1041.	352.6	371.2	243.0	240.7
#3	911.6	1023.	348.7	366.3	241.0	236.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**244.1**	**298.7**	**1681.**	**2005.**
Stddev	3.0	.8	2.	19.
%RSD	1.209	.2528	.1125	.9395
#1	244.5	298.1	1683.	2023.
#2	246.9	299.6	1680.	2007.
#3	241.0	298.6	1680.	1985.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2665.1**	**29215.**	**5034.3**
Stddev	12.0	89.	16.3
%RSD	.44931	.30407	.32331
#1	2659.1	29115.	5046.5
#2	2657.3	29243.	5040.5
#3	2678.9	29286.	5015.8

Sample Name: lcssrm 460-112924/2- Acquired: 5/17/2012 13:18:01 Type: QC
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**35420.**	**1168.**	**233.1**	**1280.**	**460.9**	**33870.**
Stddev	92.	6.	.2	3.	2.7	235.
%RSD	.2585	.5520	.1014	.2240	.5954	.6948
#1	35480.	1172.	233.2	1283.	463.5	34090.
#2	35470.	1171.	232.8	1278.	461.2	33890.
#3	35320.	1161.	233.2	1278.	458.1	33620.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**999.8**	**955.2**	**661.8**	**614.0**	**63640.**	**12080.**
Stddev	2.5	4.0	.8	5.9	297.	91.
%RSD	.2532	.4178	.1238	.9540	.4673	.7562
#1	1003.	959.4	662.8	619.9	63980.	12160.
#2	998.4	954.9	661.4	614.0	63480.	12090.
#3	998.2	951.4	661.3	608.2	63450.	11980.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**13490.**	**1753.**	**2618.**	**635.5**	**534.5**	**931.9**
Stddev	49.	7.	18.	3.0	.6	8.9
%RSD	.3664	.4136	.7024	.4646	.1176	.9498
#1	13540.	1761.	2626.	638.5	535.2	941.1
#2	13490.	1750.	2632.	635.5	534.3	931.2
#3	13440.	1747.	2597.	632.6	534.1	923.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: lcssrm 460-112924/2- Acquired: 5/17/2012 13:18:01 Type: QC
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**535.2**	**878.2**	**599.6**	**917.2**	**563.0**	**509.2**
Stddev	3.0	3.3	1.5	3.1	.7	2.4
%RSD	.5579	.3749	.2583	.3354	.1220	.4775
#1	537.2	880.8	601.4	920.7	563.1	512.0
#2	536.5	879.1	598.6	915.8	563.7	508.3
#3	531.7	874.5	598.8	915.1	562.3	507.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**558.0**	**655.5**	**968.6**	**1341.**
Stddev	2.1	3.2	4.8	55.
%RSD	.3754	.4863	.4930	4.111
#1	560.4	658.6	963.8	1399.
#2	556.9	655.6	973.3	1335.
#3	556.6	652.2	968.7	1290.
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2701.6**	**29612.**	**5128.1**
Stddev	3.8	164.	12.8
%RSD	.14076	.55487	.24933
#1	2698.8	29425.	5113.7
#2	2705.9	29681.	5132.3
#3	2700.0	29731.	5138.2

Sample Name: CCV Acquired: 5/17/2012 13:21:27 Type: QC
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**126900.**	**2545.**	**1252.**	**10260.**	**983.5**	**125200.**
Stddev	183.	6.	4.	4.	3.6	369.
%RSD	.1439	.2330	.2834	.0376	.3616	.2949
#1	127100.	2539.	1251.	10260.	986.7	125600.
#2	126800.	2547.	1256.	10250.	984.1	125200.
#3	126800.	2551.	1250.	10250.	979.7	124900.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1291.**	**2535.**	**5119.**	**12440.**	**101700.**	**49990.**
Stddev	.	3.	9.	37.	145.	101.
%RSD	.0195	.1052	.1746	.3008	.1425	.2018
#1	1291.	2538.	5112.	12460.	101600.	50040.
#2	1291.	2535.	5129.	12460.	101800.	50060.
#3	1292.	2533.	5116.	12400.	101700.	49880.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**126400.**	**5150.**	**124400.**	**2570.**	**7687.**	**1031.**
Stddev	159.	14.	510.	2.	12.	6.
%RSD	.1260	.2811	.4103	.0730	.1548	.5882
#1	126200.	5146.	124900.	2570.	7701.	1035.
#2	126500.	5166.	124300.	2572.	7678.	1024.
#3	126400.	5138.	123900.	2568.	7683.	1035.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 5/17/2012 13:21:27 Type: QC
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2499.**	**2607.**	**2528.**	**2531.**	**1008.**	**2570.**
Stddev	5.	8.	7.	1.	3.	4.
%RSD	.2163	.2924	.2674	.0378	.2566	.1579
#1	2501.	2615.	2525.	2531.	1005.	2575.
#2	2493.	2608.	2536.	2530.	1010.	2569.
#3	2504.	2599.	2523.	2531.	1009.	2567.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1016.**	**5043.**	**10100.**	**9935.**
Stddev	2.	13.	22.	48.
%RSD	.1819	.2590	.2222	.4845
#1	1013.	5055.	10110.	9917.
#2	1016.	5046.	10120.	9990.
#3	1017.	5029.	10080.	9899.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2428.9**	**26465.**	**4725.5**
Stddev	1.8	76.	12.2
%RSD	.07574	.28709	.25734
#1	2427.6	26543.	4718.9
#2	2431.0	26460.	4739.5
#3	2428.1	26391.	4718.0

Sample Name: CCB Acquired: 5/17/2012 13:24:46 Type: QC
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.420**	**3.362**	**.1364**	**.5997**	**.0399**	**12.02**
Stddev	37.44	.827	.5670	.4625	.0701	16.16
%RSD	1095.	24.60	415.7	77.13	175.8	134.4
#1	42.60	3.632	.7858	1.129	.0792	4.432
#2	-31.99	4.021	-.1165	.3969	.0815	30.58
#3	-.3467	2.434	-.2602	.2732	-.0411	1.054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0377**	**.5701**	**.5765**	**2.461**	**4.016**	**80.40**
Stddev	.0218	.2713	.4711	.814	8.895	70.47
%RSD	57.81	47.58	81.73	33.06	221.5	87.66
#1	.0629	.8371	1.117	2.837	13.36	95.34
#2	.0250	.5785	.3586	1.527	3.039	142.2
#3	.0253	.2948	.2537	3.018	-4.350	3.653
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**11.60**	**.3789**	**52.69**	**.3304**	**.8613**	**1.345**
Stddev	6.44	.2895	31.35	.1716	1.203	1.526
%RSD	55.53	76.39	59.51	51.94	139.7	113.5
#1	17.85	.7111	88.71	.1596	-.4876	2.802
#2	11.98	.2452	37.79	.5028	1.249	-.2416
#3	4.982	.1805	31.56	.3287	1.822	1.474
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 5/17/2012 13:24:46 Type: QC
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.9458**	**-.1733**	**.4364**	**-.0282**	**3.172**	**7.008**
Stddev	1.104	.2904	.2535	.1568	1.187	1.235
%RSD	116.7	167.6	58.10	556.4	37.40	17.62
#1	-1.467	-.5041	.7255	.1340	4.470	5.582
#2	-1.693	-.0558	.3318	-.0396	2.905	7.706
#3	.3223	.0399	.2518	-.1790	2.142	7.735
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.8474**	**.4546**	**.3195**	**-16.05**
Stddev	1.156	.2988	1.112	18.03
%RSD	136.4	65.73	347.9	112.3
#1	-.3824	.7980	-.1333	-.5219
#2	1.013	.3116	-.4943	-35.82
#3	1.912	.2541	1.586	-11.82
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2626.6**	**28952.**	**4856.0**
Stddev	12.9	82.	22.4
%RSD	.49141	.28242	.46221
#1	2612.1	28862.	4840.2
#2	2636.7	28973.	4846.1
#3	2631.0	29022.	4881.7

Sample Name: mb 460-112924/1-a@2 Acquired: 5/17/2012 13:28:30 Type: QC
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**18.81**	**1.851**	**-.1055**	**-.0089**	**-.1092**	**17.50**
Stddev	9.09	2.654	.5009	.1225	.0479	11.32
%RSD	48.33	143.4	474.6	1375.	43.89	64.73
#1	13.94	4.890	.1568	.1199	-.1646	16.42
#2	29.29	.6748	.2097	-.0227	-.0820	6.747
#3	13.18	-.0123	-.6832	-.1239	-.0811	29.32
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0779**	**.0921**	**.2174**	**2.736**	**4.568**	**19.65**
Stddev	.0490	.2034	.2122	2.917	10.68	40.57
%RSD	62.96	220.7	97.61	106.6	233.9	206.5
#1	-.1226	-.0333	.4593	.1172	-3.567	-22.58
#2	-.0857	.3268	.1306	5.880	16.67	58.34
#3	-.0254	-.0171	.0624	2.211	.6025	23.19
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.4377**	**.0742**	**40.93**	**.0971**	**1.307**	**1.532**
Stddev	2.723	.0386	11.08	.3375	.784	.326
%RSD	622.2	52.00	27.07	347.7	60.01	21.26
#1	1.933	.0328	37.68	-.2902	1.508	1.478
#2	-2.706	.0806	31.84	.3285	1.971	1.882
#3	2.086	.1091	53.28	.2530	.4416	1.237
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: mb 460-112924/1-a@2 Acquired: 5/17/2012 13:28:30 Type: QC
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.783**	**-.0840**	**.3152**	**.3912**	**4.366**	**1.718**
Stddev	2.088	.8419	.2615	.1579	.668	.173
%RSD	117.1	1002.	82.97	40.35	15.29	10.07
#1	3.383	.6261	.0976	.5603	4.851	1.527
#2	2.545	-1.014	.2426	.2477	4.642	1.763
#3	-.5785	.1360	.6053	.3656	3.605	1.865
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.2322**	**.3715**	**-.4152**	**1.617**
Stddev	.7384	.0877	.9120	19.92
%RSD	318.1	23.60	219.7	1232.
#1	-.9214	.3781	-1.077	-18.11
#2	-.3222	.4557	.6252	1.231
#3	.5471	.2807	-.7937	21.73
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2534.7**	**28321.**	**4732.3**
Stddev	6.1	259.	40.3
%RSD	.24257	.91351	.85118
#1	2528.4	28035.	4686.2
#2	2540.7	28537.	4761.0
#3	2534.9	28392.	4749.5

Sample Name: pds 460-40258-a-9-e@ Acquired: 5/17/2012 13:32:13 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**18690.**	**1848.**	**46.04**	**2165.**	**47.17**	**44500.**
Stddev	63.	12.	.27	17.	.19	73.
%RSD	.3350	.6367	.5937	.7742	.3998	.1631
#1	18690.	1862.	45.92	2184.	47.25	44530.
#2	18750.	1844.	46.35	2162.	47.30	44550.
#3	18620.	1839.	45.84	2151.	46.95	44410.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**48.75**	**506.8**	**248.0**	**292.8**	**71990.**	**21920.**
Stddev	.31	3.6	1.6	4.6	369.	123.
%RSD	.6304	.7078	.6324	1.575	.5122	.5612
#1	49.10	510.6	249.8	291.7	72320.	22050.
#2	48.58	506.2	247.0	297.9	72070.	21900.
#3	48.56	503.5	247.2	288.8	71590.	21810.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**32670.**	**1984.**	**19010.**	**544.2**	**511.1**	**426.1**
Stddev	178.	10.	2.	5.1	5.9	5.5
%RSD	.5442	.4938	.0118	.9370	1.152	1.292
#1	32840.	1992.	19010.	549.6	517.8	431.8
#2	32680.	1987.	19010.	543.5	508.5	425.7
#3	32490.	1973.	19010.	539.5	506.9	420.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: pds 460-40258-a-9-e@ Acquired: 5/17/2012 13:32:13 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1802.**	**2018.**	**566.9**	**593.0**	**465.8**	**479.4**
Stddev	11.	18.	3.7	3.9	3.3	4.2
%RSD	.6207	.9072	.6469	.6560	.7085	.8820
#1	1814.	2039.	569.5	596.9	469.5	483.8
#2	1800.	2014.	568.5	592.8	463.1	479.0
#3	1791.	2003.	562.7	589.2	464.8	475.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**483.3**	**525.5**	**1747.**	**890.0**
Stddev	2.9	1.3	9.	20.0
%RSD	.5946	.2508	.5012	2.252
#1	485.5	525.8	1744.	873.2
#2	484.3	526.6	1757.	884.6
#3	480.0	524.0	1740.	912.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2621.4**	**28768.**	**4995.6**
Stddev	8.2	94.	9.3
%RSD	.31470	.32573	.18639
#1	2611.9	28690.	5001.1
#2	2626.1	28742.	4984.8
#3	2626.3	28872.	5000.8

Sample Name: 460-40273-f-3-b@4 Acquired: 5/17/2012 13:35:37 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**111500.**	**37.34**	**2.818**	**638.3**	**3.374**	**8384.**
Stddev	562.	1.43	.174	.5	.106	20.
%RSD	.5042	3.830	6.167	.0837	3.126	.2339
#1	112200.	35.72	2.903	638.1	3.374	8406.
#2	111200.	37.89	2.933	638.8	3.268	8372.
#3	111300.	38.42	2.618	637.8	3.479	8373.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.5875**	**130.4**	**10.39**	**803.6**	F **241400.**	**5367.**
Stddev	.1228	.6	.25	7.2	818.	88.
%RSD	20.90	.4338	2.381	.8993	.3388	1.644
#1	.4513	129.8	10.67	811.7	242100.	5468.
#2	.6215	130.7	10.31	797.7	241700.	5324.
#3	.6898	130.7	10.20	801.4	240500.	5309.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					200000.	
Low Limit					-150.0	

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**17270.**	**2580.**	**331.3**	**58.63**	**47.42**	**-1.728**
Stddev	36.	7.	5.6	.53	2.04	.850
%RSD	.2080	.2808	1.693	.9062	4.307	49.20
#1	17300.	2584.	335.1	59.24	45.28	-2.499
#2	17290.	2585.	334.0	58.28	49.35	-1.870
#3	17230.	2572.	324.9	58.37	47.63	-.8162
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-40273-f-3-b@4 Acquired: 5/17/2012 13:35:37 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.616**	**1.784**	**1125.**	**284.1**	**10.92**	**-1.698**
Stddev	1.557	2.181	4.	.5	.92	.461
%RSD	33.72	122.3	.3441	.1622	8.423	27.17
#1	6.390	2.556	1126.	283.7	10.47	-2.212
#2	3.978	-.6781	1127.	284.0	10.31	-1.564
#3	3.480	3.473	1120.	284.6	11.97	-1.319
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**6.363**	**81.79**	**4298.**	**968.5**
Stddev	1.136	.56	33.	10.6
%RSD	17.85	.6854	.7774	1.095
#1	6.832	82.43	4335.	958.0
#2	7.189	81.40	4269.	968.3
#3	5.068	81.54	4292.	979.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**3070.6**	**33638.**	**5796.6**
Stddev	8.0	197.	29.6
%RSD	.26201	.58467	.51013
#1	3077.4	33463.	5762.5
#2	3072.7	33600.	5813.2
#3	3061.7	33851.	5814.1

Sample Name: 460-40350-a-1-a@4 Acquired: 5/17/2012 13:39:08 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**38910.**	**25.75**	**1.501**	**556.0**	**2.184**	**15000.**
Stddev	21.	2.19	.400	1.3	.059	28.
%RSD	.0551	8.525	26.64	.2250	2.708	.1837
#1	38890.	26.43	1.242	555.7	2.233	14990.
#2	38900.	27.52	1.961	557.3	2.200	15030.
#3	38930.	23.29	1.299	554.8	2.118	14980.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**6.537**	**40.04**	**223.5**	**647.0**	**89950.**	**4348.**
Stddev	.123	.12	1.1	2.8	319.	34.
%RSD	1.887	.3067	.4737	.4253	.3544	.7851
#1	6.486	40.18	223.7	648.1	90230.	4386.
#2	6.678	39.96	222.3	648.9	89600.	4321.
#3	6.448	39.98	224.4	643.8	90020.	4337.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**16420.**	**645.6**	**1975.**	**118.6**	**894.3**	**10.30**
Stddev	37.	2.4	10.	1.1	2.1	4.62
%RSD	.2275	.3786	.5087	.9057	.2332	44.84
#1	16430.	648.3	1964.	119.3	896.7	15.49
#2	16380.	644.9	1977.	119.1	892.8	6.631
#3	16450.	643.6	1984.	117.4	893.5	8.787
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-40350-a-1-a@4 Acquired: 5/17/2012 13:39:08 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.422**	**-2.353**	**161.0**	**2837.**	**55.74**	**12.73**
Stddev	2.949	.750	1.2	10.	1.05	.38
%RSD	86.18	31.88	.7187	.3551	1.882	2.957
#1	.1740	-1.843	162.3	2847.	54.60	12.92
#2	4.160	-2.002	160.0	2839.	56.65	12.97
#3	5.932	-3.214	160.8	2827.	55.98	12.29
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**40.79**	**141.1**	**1144.**	**1137.**
Stddev	.41	.3	3.	2.
%RSD	1.008	.1862	.2249	.1707
#1	41.15	140.8	1141.	1139.
#2	40.87	141.3	1144.	1135.
#3	40.34	141.0	1147.	1136.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2704.9**	**29845.**	**5097.6**
Stddev	3.6	94.	8.0
%RSD	.13134	.31487	.15749
#1	2700.9	29737.	5096.4
#2	2706.0	29890.	5090.3
#3	2707.8	29908.	5106.2

Sample Name: 460-40335-a-12-a@10 Acquired: 5/17/2012 13:42:40 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**8846.**	**9.227**	**2.793**	**164.8**	**.5516**	**10360.**
Stddev	26.	1.045	.744	2.1	.0868	50.
%RSD	.2896	11.32	26.65	1.292	15.74	.4811
#1	8820.	9.147	2.087	166.5	.5607	10300.
#2	8871.	10.31	3.570	165.3	.4605	10400.
#3	8849.	8.225	2.720	162.4	.6335	10360.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5.211**	**12.27**	**33.33**	**12710.**	**26530.**	**614.0**
Stddev	.015	.42	.54	92.	202.	25.6
%RSD	.2904	3.392	1.607	.7206	.7626	4.167
#1	5.193	12.36	33.08	12610.	26620.	604.7
#2	5.220	12.64	33.94	12780.	26670.	594.3
#3	5.219	11.82	32.96	12730.	26300.	642.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4706.**	**1115.**	**203.3**	**33.22**	**561.5**	**4.238**
Stddev	38.	5.	15.3	.44	4.8	2.898
%RSD	.8121	.4608	7.520	1.336	.8526	68.38
#1	4740.	1117.	213.2	33.72	565.2	7.371
#2	4712.	1119.	185.7	33.06	563.2	3.691
#3	4665.	1109.	210.9	32.87	556.1	1.653
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-40335-a-12-a@10 Acquired: 5/17/2012 13:42:40 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.7122**	**-1.613**	**28.46**	**322.7**	**3.155**	**2.312**
Stddev	1.220	.875	.52	4.2	.354	.297
%RSD	171.3	54.26	1.810	1.293	11.21	12.87
#1	-1.657	-2.294	28.93	325.8	3.300	1.980
#2	-1.145	-1.921	27.91	324.3	3.412	2.553
#3	.6647	-.6257	28.55	317.9	2.751	2.404
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**6.000**	**35.72**	**382.8**	**867.4**
Stddev	.885	.39	.6	13.8
%RSD	14.76	1.091	.1645	1.587
#1	5.029	35.27	383.4	861.3
#2	6.208	35.98	382.9	883.2
#3	6.763	35.90	382.2	857.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2629.0**	**29082.**	**4920.4**
Stddev	4.3	75.	13.2
%RSD	.16320	.25694	.26869
#1	2624.1	29146.	4934.8
#2	2631.7	29000.	4908.8
#3	2631.4	29101.	4917.5

Sample Name: 460-40335-a-2-a@10 Acquired: 5/17/2012 13:46:14 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**12940.**	**13.99**	**21.95**	**125.2**	**.5513**	**4365.**
Stddev	30.	1.18	.27	1.3	.0611	26.
%RSD	.2322	8.460	1.246	1.024	11.08	.5992
#1	12930.	12.65	22.27	126.0	.6123	4386.
#2	12980.	14.41	21.79	125.8	.4902	4373.
#3	12920.	14.90	21.81	123.7	.5512	4336.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.255**	**12.84**	**41.70**	**10520.**	**58500.**	**878.4**
Stddev	.033	.28	.53	69.	192.	54.1
%RSD	1.477	2.196	1.273	.6553	.3275	6.160
#1	2.237	12.60	42.31	10580.	58670.	864.8
#2	2.293	13.15	41.34	10540.	58540.	938.0
#3	2.234	12.77	41.44	10440.	58300.	832.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5697.**	**285.5**	**214.5**	**35.78**	**202.4**	**2.499**
Stddev	26.	1.3	1.8	.56	2.1	.608
%RSD	.4524	.4635	.8212	1.558	1.050	24.34
#1	5724.	286.7	214.3	36.28	203.6	2.342
#2	5695.	285.6	216.4	35.18	203.6	1.985
#3	5673.	284.1	212.9	35.87	199.9	3.171
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-40335-a-2-a@10 Acquired: 5/17/2012 13:46:14 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-3.038**	**-.7482**	**55.19**	**315.1**	**6.360**	**16.61**
Stddev	2.567	.4546	.22	3.2	.335	.41
%RSD	84.48	60.76	.3927	1.019	5.268	2.494
#1	-3.843	-.8632	55.42	316.8	6.686	16.47
#2	-.1656	-1.134	55.14	317.1	6.017	17.08
#3	-5.106	-.2471	55.00	311.4	6.377	16.29
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**11.70**	**37.27**	**508.0**	**930.6**
Stddev	.69	.27	2.2	19.0
%RSD	5.920	.7166	.4286	2.040
#1	12.48	37.50	508.7	945.7
#2	11.42	37.34	509.8	936.7
#3	11.18	36.98	505.6	909.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2638.0**	**29204.**	**4922.8**
Stddev	11.2	78.	24.1
%RSD	.42398	.26746	.48985
#1	2633.2	29178.	4900.8
#2	2630.0	29143.	4919.2
#3	2650.8	29292.	4948.6

Sample Name: 460-40265-a-3-b du Acquired: 5/17/2012 13:49:48 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**160.9**	**5.091**	**-.4851**	**48.95**	**-.0143**	**20270.**
Stddev	22.5	2.703	.3364	.44	.1852	85.
%RSD	13.98	53.09	69.35	.9033	1292.	.4202
#1	168.5	6.865	-.2051	49.20	-.0801	20370.
#2	178.6	6.429	-.3920	49.21	-.1577	20260.
#3	135.6	1.981	-.8583	48.44	.1948	20200.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0248**	**.7279**	**24.69**	**6.861**	**68.72**	**2532.**
Stddev	.1517	.0798	.30	3.262	5.68	73.
%RSD	610.8	10.96	1.215	47.55	8.267	2.895
#1	-.1502	.7851	24.67	5.366	72.46	2569.
#2	-.0682	.7619	25.00	4.614	62.18	2579.
#3	.1438	.6368	24.40	10.60	71.51	2447.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2566.**	**6.214**	**14790.**	**4.060**	**.2109**	**.4114**
Stddev	20.	.095	78.	.239	1.596	2.490
%RSD	.7649	1.535	.5292	5.899	756.6	605.2
#1	2589.	6.324	14870.	3.796	.7280	1.835
#2	2556.	6.163	14790.	4.119	1.484	-2.464
#3	2554.	6.156	14710.	4.263	-1.579	1.863
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-40265-a-3-b du Acquired: 5/17/2012 13:49:48 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.961**	**-2.171**	**1.505**	**11.34**	**587.3**	**-.1085**
Stddev	1.078	.898	.141	.08	1.6	.3488
%RSD	54.97	41.37	9.398	.6970	.2757	321.6
#1	.7269	-3.069	1.574	11.43	589.0	.0171
#2	2.437	-1.273	1.598	11.31	587.0	.1602
#3	2.719	-2.171	1.342	11.28	585.8	-.5027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.0588**	**74.75**	**3.212**	**1447.**
Stddev	.7497	.27	.299	25.
%RSD	1274.	.3548	9.311	1.727
#1	-.7946	74.93	3.546	1419.
#2	-.0859	74.87	2.967	1456.
#3	.7040	74.45	3.125	1466.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2623.1**	**28876.**	**4884.1**
Stddev	8.8	30.	38.1
%RSD	.33494	.10457	.78078
#1	2622.5	28847.	4840.2
#2	2632.2	28872.	4909.0
#3	2614.7	28907.	4903.1

Sample Name: 460-40265-a-3-a Acquired: 5/17/2012 13:53:27 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**130.5**	**1.653**	**-.9613**	**50.15**	**-.0376**	**20280.**
Stddev	42.2	1.145	.6691	.32	.0302	49.
%RSD	32.33	69.28	69.60	.6357	80.35	.2422
#1	83.12	1.059	-.7257	50.32	-.0387	20340.
#2	164.0	.9271	-.4419	50.35	-.0068	20240.
#3	144.4	2.973	-1.716	49.78	-.0672	20260.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0446**	**.6766**	**24.86**	**.7349**	**65.60**	**2505.**
Stddev	.0925	.0779	.39	3.924	8.67	46.
%RSD	207.3	11.52	1.561	534.0	13.22	1.839
#1	-.0622	.7414	24.84	1.141	57.69	2514.
#2	.0966	.6983	25.25	-3.377	74.88	2455.
#3	.0994	.5902	24.48	4.440	64.22	2546.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2585.**	**6.263**	**14770.**	**3.960**	**.4770**	**1.599**
Stddev	27.	.098	48.	.501	.5139	3.006
%RSD	1.055	1.560	.3282	12.64	107.7	188.0
#1	2616.	6.367	14820.	4.513	.2661	4.980
#2	2576.	6.249	14760.	3.539	.1022	.5847
#3	2563.	6.173	14720.	3.829	1.063	-.7687
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-40265-a-3-a Acquired: 5/17/2012 13:53:27 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.881**	**-1.427**	**1.832**	**12.06**	**592.9**	**-.0182**
Stddev	2.553	1.534	.147	.13	3.1	.3620
%RSD	88.61	107.5	8.045	1.116	.5151	1984.
#1	1.025	-2.192	2.001	12.13	593.4	-.1702
#2	5.793	-2.428	1.770	12.15	595.6	-.2794
#3	1.826	.3397	1.726	11.90	589.6	.3949
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.1548**	**74.69**	**1.850**	**1452.**
Stddev	1.892	.22	2.020	17.
%RSD	1222.	.2890	109.2	1.159
#1	-1.616	74.93	.0594	1441.
#2	2.149	74.64	1.451	1444.
#3	-.0686	74.50	4.040	1472.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2612.7**	**28774.**	**4899.2**
Stddev	2.6	147.	10.0
%RSD	.09798	.51230	.20344
#1	2614.5	28604.	4896.8
#2	2613.7	28866.	4890.7
#3	2609.7	28853.	4910.2

Sample Name: sd 460-40265-a-3-a@5 Acquired: 5/17/2012 13:57:06 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**29.10**	**.9671**	**.0099**	**10.11**	**-.1578**	**4058.**
Stddev	31.84	2.153	.5826	.18	.0379	33.
%RSD	109.4	222.6	5881.	1.815	24.03	.8118
#1	65.87	-.8183	-.5348	10.12	-.1608	4046.
#2	10.49	3.358	.6242	10.30	-.1941	4095.
#3	10.96	.3616	-.0597	9.930	-.1184	4033.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0119**	**.2876**	**5.079**	**4.943**	**9.073**	**467.9**
Stddev	.1489	.2844	.125	2.473	8.854	41.3
%RSD	1252.	98.89	2.451	50.02	97.59	8.828
#1	.1512	.0569	5.138	3.224	19.26	444.8
#2	-.0463	.2005	5.163	3.828	4.779	515.6
#3	-.1406	.6053	4.936	7.777	3.184	443.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**517.4**	**1.257**	**2987.**	**1.242**	**.5899**	**2.001**
Stddev	4.7	.053	19.	.314	.8768	4.688
%RSD	.9018	4.228	.6404	25.30	148.6	234.2
#1	519.0	1.231	3009.	1.311	1.586	7.206
#2	521.1	1.319	2982.	.8993	-.0650	-1.890
#3	512.1	1.223	2972.	1.517	.2487	.6886
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd 460-40265-a-3-a@5 Acquired: 5/17/2012 13:57:06 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.5890**	**-.1761**	**.3212**	**2.695**	**118.1**	**-.5632**
Stddev	3.670	.7763	.0929	.039	.7	.0468
%RSD	623.0	441.0	28.91	1.439	.5645	8.310
#1	.9096	.6365	.2549	2.737	117.9	-.5131
#2	4.088	-.2545	.2813	2.661	118.8	-.5706
#3	-3.230	-.9102	.4274	2.687	117.5	-.6059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.4255**	**14.84**	**-1.241**	**271.7**
Stddev	.2524	.21	.382	13.6
%RSD	59.32	1.404	30.74	4.990
#1	-.6000	15.05	-.8021	282.4
#2	-.1361	14.83	-1.430	276.2
#3	-.5405	14.63	-1.492	256.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2618.5**	**29010.**	**4861.5**
Stddev	3.4	132.	11.6
%RSD	.12921	.45558	.23888
#1	2617.4	29034.	4874.9
#2	2615.8	28867.	4855.8
#3	2622.3	29128.	4853.8

Sample Name: lcs 460-112942/2-a Acquired: 5/17/2012 14:00:47 Type: QC
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1951.**	**1958.**	**48.69**	**2053.**	**48.29**	**19440.**
Stddev	29.	15.	.40	15.	.24	15.
%RSD	1.462	.7477	.8217	.7315	.5004	.0776
#1	1980.	1971.	49.06	2070.	48.02	19440.
#2	1923.	1961.	48.26	2047.	48.49	19450.
#3	1950.	1942.	48.76	2041.	48.35	19420.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**51.79**	**514.4**	**202.7**	**246.2**	**1005.**	**18900.**
Stddev	.38	3.9	.8	1.8	1.	51.
%RSD	.7271	.7652	.4131	.7229	.1352	.2725
#1	52.22	518.9	203.6	247.6	1004.	18860.
#2	51.59	512.9	202.4	244.2	1006.	18870.
#3	51.55	511.4	202.0	246.8	1004.	18960.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**19250.**	**516.8**	**19070.**	**522.1**	**524.3**	**483.3**
Stddev	12.	.6	50.	4.8	4.5	3.2
%RSD	.0636	.1146	.2632	.9147	.8674	.6676
#1	19260.	517.4	19110.	527.7	529.4	487.0
#2	19240.	516.7	19080.	519.5	522.9	481.9
#3	19260.	516.3	19010.	519.2	520.7	481.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: lcs 460-112942/2-a Acquired: 5/17/2012 14:00:47 Type: QC
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1928.**	**2185.**	**494.2**	**506.6**	**488.7**	**506.6**
Stddev	6.	22.	1.3	3.9	2.2	5.4
%RSD	.3060	1.009	.2581	.7618	.4500	1.063
#1	1931.	2209.	495.6	510.9	491.2	512.3
#2	1930.	2182.	493.2	505.4	487.2	506.0
#3	1921.	2165.	493.7	503.5	487.7	501.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**514.3**	**478.0**	**495.6**	F **62.47**
Stddev	4.7	.7	.6	45.95
%RSD	.9208	.1365	.1160	73.55
#1	519.3	478.7	496.0	31.26
#2	513.9	477.8	495.0	40.93
#3	509.9	477.5	495.8	115.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				2000.
Range				-15.00%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2590.5**	**28570.**	**4889.7**
Stddev	12.2	88.	29.0
%RSD	.47040	.30705	.59263
#1	2576.5	28480.	4857.6
#2	2597.1	28655.	4897.7
#3	2598.0	28576.	4913.9

Sample Name: CCV Acquired: 5/17/2012 14:04:13 Type: QC
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**126000.**	**2551.**	**1250.**	**10250.**	**976.5**	**124100.**
Stddev	472.	18.	3.	34.	4.9	567.
%RSD	.3743	.6989	.2385	.3273	.4971	.4567
#1	126500.	2572.	1253.	10290.	982.1	124800.
#2	125700.	2542.	1248.	10220.	973.5	123800.
#3	125700.	2539.	1248.	10240.	973.9	123800.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1294.**	**2540.**	**5100.**	**12360.**	**101400.**	**49660.**
Stddev	5.	10.	16.	50.	349.	211.
%RSD	.3891	.3977	.3096	.4019	.3439	.4246
#1	1300.	2552.	5117.	12410.	101800.	49900.
#2	1290.	2534.	5086.	12310.	101300.	49490.
#3	1292.	2534.	5096.	12360.	101200.	49590.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**126100.**	**5129.**	**123400.**	**2571.**	**7701.**	**1033.**
Stddev	424.	13.	625.	11.	36.	1.
%RSD	.3359	.2504	.5062	.4323	.4712	.1277
#1	126600.	5144.	124100.	2584.	7743.	1034.
#2	125800.	5124.	123000.	2563.	7681.	1033.
#3	125900.	5120.	123200.	2567.	7679.	1032.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 5/17/2012 14:04:13 Type: QC
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2509.**	**2614.**	**2519.**	**2538.**	**1007.**	**2575.**
Stddev	19.	9.	6.	9.	5.	14.
%RSD	.7628	.3560	.2499	.3516	.5032	.5424
#1	2531.	2624.	2525.	2548.	1012.	2591.
#2	2494.	2614.	2513.	2531.	1002.	2567.
#3	2503.	2605.	2518.	2533.	1008.	2566.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1019.**	**5005.**	**10040.**	**9932.**
Stddev	6.	22.	43.	49.
%RSD	.6240	.4372	.4284	.4931
#1	1025.	5030.	10090.	9986.
#2	1012.	4991.	10010.	9921.
#3	1018.	4993.	10020.	9890.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2424.8**	**26627.**	**4746.2**
Stddev	4.6	50.	27.9
%RSD	.19025	.18881	.58811
#1	2420.5	26600.	4728.0
#2	2429.7	26685.	4778.3
#3	2424.3	26595.	4732.2

Sample Name: CCB Acquired: 5/17/2012 14:07:32 Type: QC
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**13.13**	**3.343**	**-.2599**	**.6492**	**.0278**	**-4.124**
Stddev	20.61	.591	.5379	.5031	.1759	6.162
%RSD	157.0	17.68	207.0	77.48	633.3	149.4
#1	16.67	3.951	-.6649	1.200	.2144	-2.219
#2	31.74	3.307	.3505	.5340	-.1350	.8610
#3	-9.022	2.771	-.4652	.2138	.0039	-11.01
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0171**	**.6069**	**.7145**	**1.769**	**18.90**	**40.87**
Stddev	.0486	.1794	.4673	2.258	.96	70.33
%RSD	284.7	29.57	65.41	127.6	5.106	172.1
#1	.0303	.4036	1.241	.9968	17.98	120.2
#2	-.0146	.7433	.3492	-.0012	18.82	16.26
#3	-.0669	.6738	.5531	4.312	19.90	-13.86
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**12.78**	**.5079**	**52.03**	**.7303**	**1.427**	**.1129**
Stddev	8.32	.3323	16.91	.4161	.476	.9965
%RSD	65.09	65.43	32.51	56.97	33.36	882.4
#1	22.32	.8915	69.39	.9831	1.954	-.4283
#2	8.996	.3208	51.12	.2501	1.300	1.263
#3	7.030	.3113	35.60	.9578	1.027	-.4958
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 5/17/2012 14:07:32 Type: QC
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.155**	**-.0209**	**.4471**	**-.0948**	**3.189**	**6.927**
Stddev	3.386	1.154	.3165	.0979	.426	1.114
%RSD	157.1	5510.	70.79	103.2	13.36	16.08
#1	-1.193	-.3382	.7017	-.0952	3.586	5.645
#2	5.577	-.9833	.0927	.0032	3.243	7.657
#3	2.080	1.259	.5470	-.1925	2.739	7.479
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.2299**	**.5680**	**-.2906**	**-25.14**
Stddev	.2191	.4706	1.302	8.32
%RSD	95.31	82.85	448.1	33.09
#1	-.0057	1.111	-1.102	-29.25
#2	-.4435	.3005	-.9815	-15.57
#3	-.2405	.2921	1.211	-30.61
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2596.0**	**28868.**	**4823.8**
Stddev	4.4	31.	14.0
%RSD	.16919	.10751	.28927
#1	2592.6	28904.	4839.2
#2	2600.9	28848.	4820.2
#3	2594.4	28853.	4812.0

Sample Name: mb 460-112942/1-a Acquired: 5/17/2012 14:11:17 Type: QC
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.3175**	**2.407**	**-.3922**	**.1119**	**-.1216**	**13.92**
Stddev	14.34	1.912	.7223	.0042	.1924	11.41
%RSD	4516.	79.44	184.2	3.730	158.2	81.94
#1	16.82	4.089	-.6329	.1117	-.1204	11.14
#2	-9.012	2.805	.4197	.1078	-.3146	4.163
#3	-6.859	.3274	-.9634	.1161	.0701	26.47
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0026**	**.4749**	**.1885**	**3.157**	**-8.033**	**44.82**
Stddev	.0446	.1116	.4449	1.371	7.637	19.62
%RSD	1744.	23.50	236.0	43.43	95.06	43.77
#1	.0090	.4188	-.1844	3.330	-10.54	67.41
#2	-.0449	.4025	.6809	1.708	.5406	32.08
#3	.0436	.6035	.0690	4.434	-14.10	34.97
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.324**	**-.0025**	**22.97**	**.5259**	**.2320**	**1.269**
Stddev	1.846	.0311	15.89	.1434	1.466	1.680
%RSD	42.68	1227.	69.15	27.27	632.0	132.3
#1	2.699	-.0157	19.04	.3765	-1.179	.0351
#2	3.941	-.0249	40.45	.5387	.1275	3.182
#3	6.330	.0330	9.420	.6624	1.748	.5908
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: mb 460-112942/1-a Acquired: 5/17/2012 14:11:17 Type: QC
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.476**	**-.4644**	**.2673**	**.6022**	**3.469**	**.4775**
Stddev	3.297	1.374	.1653	.0855	.322	.2537
%RSD	133.1	295.9	61.85	14.19	9.283	53.13
#1	1.276	1.062	.4021	.6064	3.839	.2759
#2	-.0523	-.8518	.0829	.6855	3.256	.3941
#3	6.205	-1.603	.3170	.5148	3.312	.7624
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.8123**	**.1842**	**-.1329**	**-3.578**
Stddev	.5295	.1755	1.252	12.10
%RSD	65.18	95.28	941.6	338.3
#1	-.7879	-.0184	-1.557	.0213
#2	-.2955	.2815	.3678	6.319
#3	-1.354	.2896	.7908	-17.07
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2647.4**	**29399.**	**4915.7**
Stddev	15.4	148.	16.5
%RSD	.58031	.50357	.33622
#1	2629.7	29234.	4897.2
#2	2655.1	29519.	4928.8
#3	2657.3	29445.	4921.2

Sample Name: 460-40265-a-3-c ms Acquired: 5/17/2012 14:14:59 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2075.**	**1953.**	**47.52**	**2063.**	**47.18**	**38100.**
Stddev	32.	13.	1.00	10.	.22	99.
%RSD	1.546	.6730	2.100	.4856	.4636	.2588
#1	2112.	1968.	47.16	2073.	47.22	38010.
#2	2060.	1944.	46.75	2064.	47.37	38200.
#3	2054.	1946.	48.65	2053.	46.94	38090.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**50.82**	**502.6**	**222.2**	**244.5**	**1064.**	**21020.**
Stddev	.19	2.4	.4	4.4	12.	108.
%RSD	.3718	.4680	.1660	1.786	1.169	.5150
#1	51.02	505.4	222.6	242.2	1058.	20920.
#2	50.79	501.5	222.0	249.5	1078.	21130.
#3	50.64	501.1	221.9	241.7	1055.	21010.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**21270.**	**510.2**	**32800.**	**512.9**	**511.5**	**475.9**
Stddev	92.	1.6	108.	3.1	3.4	5.8
%RSD	.4318	.3113	.3292	.6079	.6702	1.219
#1	21190.	508.7	32730.	516.0	515.3	479.6
#2	21370.	511.8	32920.	512.8	508.6	479.0
#3	21260.	510.0	32740.	509.7	510.6	469.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-40265-a-3-c ms Acquired: 5/17/2012 14:14:59 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1896.**	**2113.**	**485.5**	**508.2**	**1048.**	**499.5**
Stddev	6.	14.	1.5	2.4	3.	3.2
%RSD	.2949	.6565	.3004	.4730	.2607	.6358
#1	1902.	2127.	485.5	510.9	1051.	502.7
#2	1894.	2113.	487.0	507.7	1047.	499.5
#3	1891.	2099.	484.1	506.1	1045.	496.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**505.5**	**538.1**	**498.7**	**1552.**
Stddev	3.8	2.1	2.9	44.
%RSD	.7432	.3941	.5724	2.852
#1	509.9	536.6	497.0	1505.
#2	503.5	540.5	502.0	1560.
#3	503.3	537.2	497.0	1592.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2569.0**	**28324.**	**4886.6**
Stddev	6.6	117.	11.6
%RSD	.25713	.41247	.23699
#1	2561.6	28457.	4894.5
#2	2574.4	28239.	4873.3
#3	2570.9	28276.	4891.9

Sample Name: pds 460-40265-a-3-a Acquired: 5/17/2012 14:18:23 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2068.**	**1936.**	**46.34**	**2057.**	**47.52**	**38740.**
Stddev	39.	7.	1.19	13.	.26	124.
%RSD	1.903	.3804	2.570	.6497	.5505	.3205
#1	2104.	1943.	47.37	2070.	47.82	38860.
#2	2074.	1937.	45.04	2057.	47.40	38730.
#3	2026.	1929.	46.60	2043.	47.34	38610.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**50.36**	**500.7**	**221.9**	**244.7**	**1059.**	**21090.**
Stddev	.34	3.8	1.1	2.1	6.	50.
%RSD	.6743	.7606	.4776	.8688	.5859	.2352
#1	50.68	503.9	221.8	245.6	1065.	21130.
#2	50.41	501.6	223.0	242.3	1059.	21030.
#3	50.00	496.5	220.9	246.2	1053.	21100.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**21220.**	**510.7**	**33020.**	**510.3**	**509.9**	**473.4**
Stddev	99.	1.9	81.	3.0	2.5	5.0
%RSD	.4683	.3762	.2440	.5821	.4899	1.059
#1	21310.	512.8	33110.	512.6	512.7	473.5
#2	21240.	510.4	33000.	511.3	509.4	478.4
#3	21120.	509.0	32960.	507.0	507.7	468.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: pds 460-40265-a-3-a Acquired: 5/17/2012 14:18:23 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1880.**	**2116.**	**484.9**	**505.7**	**1059.**	**497.7**
Stddev	21.	7.	2.0	2.1	5.	5.1
%RSD	1.110	.3169	.4158	.4142	.4525	1.029
#1	1900.	2121.	487.3	507.7	1061.	502.8
#2	1880.	2117.	483.6	505.8	1062.	497.7
#3	1859.	2108.	484.0	503.6	1053.	492.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**499.4**	**541.2**	**496.1**	**1586.**
Stddev	4.6	2.2	1.6	6.
%RSD	.9306	.4067	.3199	.3595
#1	504.1	543.6	497.8	1580.
#2	499.5	541.0	495.8	1585.
#3	494.8	539.2	494.7	1591.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2566.7**	**28288.**	**4875.7**
Stddev	9.2	60.	7.5
%RSD	.35832	.21326	.15466
#1	2556.2	28314.	4880.3
#2	2573.2	28219.	4879.9
#3	2570.9	28331.	4867.0

Sample Name: 460-39573-g-7-b Acquired: 5/17/2012 14:21:48 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3990.**	**7.851**	**-.0742**	**70.55**	**.1871**	**85170.**
Stddev	20.	1.119	.9869	.48	.1621	318.
%RSD	.4914	14.25	1330.	.6846	86.65	.3730
#1	4012.	8.824	-.9775	71.07	.1827	85510.
#2	3979.	8.102	-.2241	70.47	.3513	85140.
#3	3978.	6.629	.9790	70.11	.0272	84870.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.4015**	**4.734**	**6.463**	**19.22**	**9242.**	**7476.**
Stddev	.1276	.195	.231	3.68	40.	19.
%RSD	31.78	4.110	3.581	19.14	.4370	.2517
#1	.5477	4.959	6.658	17.13	9280.	7474.
#2	.3127	4.618	6.524	17.05	9246.	7496.
#3	.3440	4.626	6.208	23.46	9200.	7459.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**37730.**	**1341.**	**98260.**	**10.71**	**7.071**	**.9055**
Stddev	109.	5.	398.	.10	.523	1.606
%RSD	.2876	.3401	.4048	.9275	7.393	177.4
#1	37820.	1344.	98570.	10.73	6.908	-.0284
#2	37760.	1344.	98400.	10.60	6.649	-.0157
#3	37610.	1336.	97820.	10.80	7.655	2.760
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-39573-g-7-b Acquired: 5/17/2012 14:21:48 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.005**	**-.6605**	**6.743**	**26.14**	**44.94**	**3.416**
Stddev	2.168	1.628	.139	.35	1.06	.486
%RSD	72.14	246.5	2.068	1.331	2.368	14.22
#1	5.416	.5319	6.779	26.54	45.63	2.905
#2	1.218	-2.515	6.589	25.98	45.46	3.872
#3	2.380	.0017	6.861	25.90	43.71	3.471
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.4133**	**145.9**	**48.52**	**10520.**
Stddev	.9522	.3	6.41	57.
%RSD	230.4	.2174	13.22	.5447
#1	-.6301	146.3	44.51	10540.
#2	.6350	145.9	55.92	10570.
#3	1.235	145.6	45.14	10460.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2519.3**	**27538.**	**4838.4**
Stddev	7.6	33.	8.9
%RSD	.30320	.12096	.18433
#1	2510.5	27537.	4828.2
#2	2523.7	27572.	4844.8
#3	2523.8	27506.	4842.2

Sample Name: 460-40158-e-12-b Acquired: 5/17/2012 14:25:25 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**27840.**	**47.61**	**.8065**	**347.4**	**2.151**	**94580.**
Stddev	26.	.34	.5791	2.2	.066	192.
%RSD	.0940	.7091	71.80	.6196	3.079	.2033
#1	27820.	47.60	.7974	349.0	2.219	94360.
#2	27820.	47.96	.2321	348.4	2.148	94730.
#3	27870.	47.28	1.390	345.0	2.087	94660.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.209**	**26.64**	**60.40**	**129.1**	**52760.**	**10620.**
Stddev	.058	.16	.79	3.1	140.	64.
%RSD	4.783	.5972	1.307	2.365	.2654	.5995
#1	1.230	26.76	61.31	128.4	52850.	10550.
#2	1.144	26.70	59.98	132.4	52830.	10660.
#3	1.254	26.46	59.91	126.4	52600.	10650.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**18940.**	**930.4**	**66960.**	**81.57**	**309.1**	**.6968**
Stddev	57.	2.2	146.	.19	.6	2.459
%RSD	.3008	.2395	.2177	.2357	.1875	352.8
#1	18980.	930.1	66800.	81.73	308.8	3.231
#2	18970.	932.8	67070.	81.63	309.8	-1.679
#3	18880.	928.4	67030.	81.36	308.7	.5389
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-40158-e-12-b Acquired: 5/17/2012 14:25:25 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.6318**	**-2.781**	**88.67**	**442.9**	**60.43**	**5.227**
Stddev	1.593	.981	.74	1.5	.61	.130
%RSD	252.2	35.29	.8327	.3450	1.010	2.493
#1	-1.197	-2.325	89.05	444.0	60.40	5.140
#2	1.717	-2.110	89.15	443.5	61.05	5.377
#3	1.376	-3.907	87.82	441.1	59.83	5.163
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**10.88**	**340.4**	**1274.**	F **50060.**
Stddev	.25	.8	1.	169.
%RSD	2.263	.2269	.0951	.3383
#1	11.02	339.5	1274.	50260.
#2	11.03	341.1	1273.	49970.
#3	10.60	340.6	1275.	49960.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit				20000.
Low Limit				-200.0

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2660.8**	**28943.**	**5100.6**
Stddev	12.5	177.	6.9
%RSD	.46963	.61251	.13480
#1	2646.5	28753.	5093.6
#2	2666.4	28972.	5100.8
#3	2669.5	29105.	5107.3

Sample Name: 460-40158-aa-15-b Acquired: 5/17/2012 14:28:58 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5065.**	**11.20**	**.6117**	**84.50**	**.1955**	**78350.**
Stddev	23.	.34	.4584	.55	.2011	292.
%RSD	.4512	2.992	74.94	.6484	102.9	.3730
#1	5053.	10.99	1.133	84.99	.0349	78660.
#2	5091.	11.59	.2713	84.60	.4210	78310.
#3	5051.	11.03	.4309	83.91	.1305	78080.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.242**	**4.586**	**18.07**	**47.15**	**11690.**	**6628.**
Stddev	.087	.137	.38	2.83	46.	13.
%RSD	3.892	2.976	2.077	6.000	.3899	.2009
#1	2.194	4.729	18.07	45.03	11740.	6633.
#2	2.342	4.573	18.45	46.06	11670.	6637.
#3	2.188	4.457	17.70	50.36	11650.	6612.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**16190.**	**299.6**	**90250.**	**12.26**	**86.32**	**3.163**
Stddev	95.	.7	319.	.45	.60	3.348
%RSD	.5869	.2192	.3538	3.698	.6980	105.9
#1	16300.	300.3	90560.	12.66	85.99	6.664
#2	16140.	299.0	90270.	11.77	85.96	2.832
#3	16130.	299.6	89920.	12.37	87.02	-.0074
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-40158-aa-15-b Acquired: 5/17/2012 14:28:58 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.9549**	**-2.710**	**16.53**	**874.7**	**162.7**	**12.37**
Stddev	3.070	1.430	.20	3.8	.8	.28
%RSD	321.5	52.75	1.223	.4344	.4729	2.297
#1	.7422	-4.349	16.68	877.7	163.5	12.26
#2	-2.004	-2.063	16.30	876.1	162.4	12.70
#3	4.126	-1.719	16.62	870.4	162.0	12.16
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**9.374**	**254.2**	**158.7**	**18650.**
Stddev	.370	.4	1.5	55.
%RSD	3.951	.1482	.9704	.2950
#1	8.982	254.6	159.9	18660.
#2	9.422	254.0	159.2	18590.
#3	9.718	254.0	156.9	18700.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2579.9**	**28126.**	**4937.4**
Stddev	10.8	49.	22.9
%RSD	.42009	.17410	.46409
#1	2574.3	28081.	4918.3
#2	2592.4	28178.	4931.2
#3	2572.9	28119.	4962.8

Sample Name: 460-40231-a-1-d du@5 Acquired: 5/17/2012 14:35:11 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**271.3**	**2.192**	**-.3530**	**67.20**	**.0102**	**4798.**
Stddev	23.4	1.273	.4584	.18	.1130	29.
%RSD	8.622	58.05	129.8	.2640	1104.	.6047
#1	247.6	1.267	-.6200	67.01	-.0346	4768.
#2	294.4	3.644	-.6154	67.24	.1388	4802.
#3	272.1	1.666	.1763	67.36	-.0735	4825.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0223**	**.1111**	**.4279**	**106.6**	**202.2**	**118.8**
Stddev	.0892	.2650	.7366	8.8	5.4	64.4
%RSD	399.8	238.5	172.2	8.292	2.693	54.21
#1	-.0094	-.1801	.8273	99.21	203.6	45.45
#2	.1230	.1753	.8784	104.2	196.2	166.0
#3	-.0467	.3381	-.4222	116.4	206.8	144.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1878.**	**9.097**	F **272500.**	**1.974**	**31.47**	**1.393**
Stddev	8.	.107	54.	.368	.73	.873
%RSD	.4474	1.172	.0198	18.66	2.306	62.69
#1	1878.	9.204	272600.	1.739	32.24	1.709
#2	1870.	8.990	272600.	1.784	31.36	2.064
#3	1887.	9.098	272500.	2.399	30.80	.4056
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-40231-a-1-d du@5 Acquired: 5/17/2012 14:35:11 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.252**	**-3.354**	**.4226**	**125.7**	**10.32**	**-.6164**
Stddev	1.894	2.777	.6700	.5	.46	.3664
%RSD	84.09	82.80	158.5	.4078	4.463	59.44
#1	4.435	-.5546	.5874	125.2	10.09	-1.037
#2	1.054	-3.400	.9948	126.2	10.85	-.4479
#3	1.266	-6.108	-.3144	125.7	10.02	-.3646
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.6147**	**30.27**	**4.512**	**778.8**
Stddev	.5437	.21	.727	8.7
%RSD	88.46	.6987	16.10	1.112
#1	-.2043	30.43	4.926	781.8
#2	-.4084	30.03	4.938	769.1
#3	-1.231	30.35	3.673	785.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2473.9**	**26838.**	**4768.6**
Stddev	1.0	30.	18.6
%RSD	.03964	.11273	.39024
#1	2474.9	26807.	4790.0
#2	2472.9	26840.	4759.2
#3	2473.8	26868.	4756.6

Sample Name: 460-40231-a-1-c@5 Acquired: 5/17/2012 14:38:51 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**281.1**	**3.658**	**-.1181**	**65.40**	**.0887**	**4653.**
Stddev	9.3	1.709	.7463	.37	.1929	15.
%RSD	3.300	46.73	632.1	.5647	217.5	.3189
#1	277.9	1.688	-.2305	65.57	-.0114	4659.
#2	291.5	4.542	-.8017	65.64	.3110	4665.
#3	273.8	4.745	.6781	64.97	-.0336	4637.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0594**	**.2234**	**.9536**	**106.7**	**197.7**	**167.3**
Stddev	.0843	.1148	.2634	2.4	11.2	80.8
%RSD	141.9	51.40	27.62	2.280	5.669	48.27
#1	-.0315	.1702	.7402	109.6	205.7	99.50
#2	.0747	.1448	1.248	105.5	184.9	256.7
#3	.1350	.3551	.8725	105.2	202.5	145.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1844.**	**8.921**	F **265100.**	**1.954**	**30.01**	**.8435**
Stddev	9.	.082	665.	.235	.14	4.554
%RSD	.4764	.9215	.2509	12.02	.4634	539.9
#1	1836.	8.994	265800.	1.706	29.88	-4.390
#2	1854.	8.937	265000.	1.982	30.01	3.899
#3	1843.	8.832	264500.	2.173	30.15	3.022
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-40231-a-1-c@5 Acquired: 5/17/2012 14:38:51 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.982**	**-2.324**	**.4259**	**122.6**	**9.937**	**-.8201**
Stddev	3.418	1.576	.3081	.8	.281	.0939
%RSD	172.4	67.83	72.34	.6671	2.823	11.45
#1	5.436	-.5887	.7513	123.1	10.26	-.7570
#2	1.910	-3.668	.1387	123.0	9.734	-.7753
#3	-1.399	-2.715	.3876	121.7	9.819	-.9281
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.4583**	**29.34**	**5.505**	**755.1**
Stddev	.5298	.05	1.426	8.2
%RSD	115.6	.1712	25.90	1.092
#1	-.4056	29.40	3.864	750.6
#2	.0432	29.33	6.207	764.6
#3	-1.013	29.30	6.444	750.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2490.4**	**26978.**	**4812.2**
Stddev	6.8	142.	10.3
%RSD	.27363	.52622	.21416
#1	2485.4	26864.	4800.8
#2	2487.7	26933.	4821.0
#3	2498.2	27137.	4814.7

Sample Name: sd 460-40231-a-1-c@2 Acquired: 5/17/2012 14:42:29 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**25.79**	**3.846**	**-.1656**	**14.59**	**-.0586**	**1021.**
Stddev	20.59	.946	.5910	.18	.0354	17.
%RSD	79.85	24.59	356.8	1.221	60.37	1.662
#1	9.060	4.190	-.6907	14.60	-.0178	1009.
#2	19.52	4.570	.4744	14.76	-.0781	1040.
#3	48.78	2.776	-.2806	14.40	-.0800	1014.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0501**	**.2495**	**.1950**	**23.31**	**39.81**	**85.08**
Stddev	.0185	.3846	.1421	4.30	14.93	28.98
%RSD	36.86	154.1	72.87	18.44	37.52	34.06
#1	-.0291	.0241	.2967	19.66	33.37	86.06
#2	-.0638	.6935	.2555	28.05	56.88	113.6
#3	-.0575	.0309	.0327	22.21	29.17	55.63
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**412.5**	**1.987**	**59560.**	**.8224**	**8.247**	**.4530**
Stddev	7.3	.043	1075.	.2789	.834	1.442
%RSD	1.772	2.182	1.805	33.91	10.11	318.4
#1	404.1	1.945	58330.	.9191	9.192	.9531
#2	417.6	1.984	60030.	1.040	7.938	-1.173
#3	415.8	2.032	60330.	.5080	7.613	1.579
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd 460-40231-a-1-c@2 Acquired: 5/17/2012 14:42:29 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.4288**	**-2.338**	**.1358**	**26.68**	**3.018**	**-.1989**
Stddev	3.812	2.586	.0984	.43	.643	.0980
%RSD	889.0	110.6	72.44	1.600	21.31	49.30
#1	-2.756	-2.731	.0621	26.83	3.430	-.3115
#2	4.652	-4.705	.2475	27.01	3.348	-.1526
#3	-.6101	.4215	.0977	26.19	2.277	-.1325
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.0024**	**6.698**	**1.255**	**151.2**
Stddev	.8331	.067	.118	12.3
%RSD	34170.	.9925	9.416	8.140
#1	-.8493	6.630	1.298	164.7
#2	.8155	6.702	1.345	140.6
#3	.0411	6.762	1.121	148.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2559.6**	**28087.**	**4836.9**
Stddev	5.6	37.	28.0
%RSD	.22062	.13149	.57855
#1	2559.1	28054.	4868.8
#2	2554.2	28080.	4816.2
#3	2565.5	28127.	4825.8

Sample Name: lcs 460-112994/2-a Acquired: 5/17/2012 14:46:10 Type: QC
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5133.**	**4981.**	**476.0**	**10470.**	**991.8**	**20320.**
Stddev	13.	71.	4.1	114.	3.6	50.
%RSD	.2500	1.428	.8712	1.085	.3634	.2482
#1	5132.	5046.	478.2	10560.	990.3	20300.
#2	5147.	4992.	478.6	10490.	996.0	20380.
#3	5121.	4905.	471.2	10340.	989.2	20290.
Check ?	None	Chk Pass	None	None	None	None
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1067.**	**1075.**	**5059.**	**1025.**	**1027.**	**19920.**
Stddev	14.	13.	59.	7.	4.	72.
%RSD	1.287	1.204	1.166	.6937	.4268	.3630
#1	1079.	1085.	5098.	1019.	1030.	19850.
#2	1071.	1080.	5088.	1033.	1029.	20000.
#3	1052.	1060.	4991.	1025.	1022.	19920.
Check ?	None	None	Chk Pass	Chk Pass	None	None
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**20250.**	**1052.**	**20310.**	**1096.**	**5291.**	**1017.**
Stddev	276.	8.	85.	14.	63.	10.
%RSD	1.361	.7430	.4160	1.272	1.186	.9665
#1	20480.	1057.	20370.	1108.	5342.	1024.
#2	20340.	1056.	20350.	1098.	5311.	1020.
#3	19950.	1043.	20220.	1081.	5221.	1006.
Check ?	None	None	None	Chk Pass	Chk Pass	None
Value						
Range						

Sample Name: lcs 460-112994/2-a Acquired: 5/17/2012 14:46:10 Type: QC
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**995.8**	**1124.**	**497.3**	**1046.**	**971.2**	**1034.**
Stddev	18.9	18.	5.6	12.	8.7	14.
%RSD	1.898	1.612	1.128	1.146	.8993	1.361
#1	1015.	1140.	500.8	1056.	979.6	1047.
#2	995.6	1127.	500.3	1048.	971.9	1036.
#3	977.0	1104.	490.9	1033.	962.2	1019.
Check ?	Chk Pass	None	None	Chk Pass	None	None
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1019.**	**1010.**	**1001.**	**12.88**
Stddev	13.	4.	2.	6.29
%RSD	1.313	.4114	.2338	48.82
#1	1032.	1012.	1001.	10.05
#2	1020.	1013.	1003.	20.08
#3	1005.	1005.	998.1	8.502
Check ?	None	None	None	None
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2528.9**	**28087.**	**4788.2**
Stddev	4.2	65.	8.9
%RSD	.16562	.22985	.18629
#1	2525.8	28086.	4795.7
#2	2527.2	28022.	4778.3
#3	2533.7	28151.	4790.5

Sample Name: CCV Acquired: 5/17/2012 14:49:33 Type: QC
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**126400.**	**2505.**	**1244.**	**10180.**	**990.3**	**126000.**
Stddev	493.	12.	1.	27.	4.8	340.
%RSD	.3897	.4813	.0627	.2675	.4807	.2702
#1	126900.	2519.	1244.	10210.	993.7	126100.
#2	125900.	2499.	1243.	10160.	984.9	125600.
#3	126400.	2497.	1245.	10180.	992.5	126200.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1276.**	**2514.**	**5031.**	**12660.**	**100500.**	**50350.**
Stddev	4.	6.	12.	38.	126.	311.
%RSD	.2928	.2486	.2385	.3008	.1255	.6182
#1	1280.	2521.	5044.	12690.	100600.	50560.
#2	1272.	2509.	5020.	12620.	100400.	50000.
#3	1275.	2512.	5028.	12680.	100500.	50500.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**123300.**	**5132.**	**124900.**	**2533.**	**7610.**	**1025.**
Stddev	321.	5.	398.	7.	16.	4.
%RSD	.2602	.0927	.3189	.2609	.2131	.3946
#1	123700.	5128.	125300.	2540.	7624.	1028.
#2	123200.	5131.	124500.	2529.	7592.	1020.
#3	123100.	5138.	125000.	2529.	7613.	1026.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 5/17/2012 14:49:33 Type: QC
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2459.**	**2579.**	**2504.**	**2511.**	**996.9**	**2569.**
Stddev	6.	12.	2.	6.	1.8	9.
%RSD	.2604	.4569	.0979	.2525	.1782	.3369
#1	2461.	2592.	2506.	2517.	996.2	2579.
#2	2452.	2576.	2501.	2504.	995.5	2562.
#3	2464.	2569.	2504.	2512.	998.9	2565.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1011.**	**5063.**	**10130.**	**9851.**
Stddev	2.	19.	47.	31.
%RSD	.1961	.3755	.4629	.3150
#1	1011.	5078.	10180.	9886.
#2	1009.	5042.	10090.	9827.
#3	1012.	5069.	10120.	9840.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2392.0**	**26175.**	**4626.6**
Stddev	3.0	64.	5.5
%RSD	.12609	.24279	.11979
#1	2389.7	26108.	4627.3
#2	2395.4	26233.	4631.8
#3	2390.9	26185.	4620.8

Sample Name: CCB Acquired: 5/17/2012 14:52:53 Type: QC
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.133**	**2.464**	**-.8047**	**.8229**	**.1433**	**16.58**
Stddev	11.18	4.265	.6338	.5781	.1203	12.57
%RSD	356.9	173.1	78.76	70.25	83.93	75.81
#1	15.90	7.376	-1.520	1.441	.1015	22.30
#2	-4.918	.3002	-.3131	.7329	.2789	2.168
#3	-1.584	-.2857	-.5809	.2951	.0495	25.27
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0874**	**.7887**	**.5949**	**1.156**	**9.513**	**74.95**
Stddev	.1064	.2421	.2726	2.797	25.88	43.97
%RSD	121.6	30.70	45.82	242.0	272.1	58.67
#1	.1121	.7043	.9014	-1.775	22.24	65.37
#2	-.0291	.6001	.3796	3.796	26.57	122.9
#3	.1794	1.062	.5036	1.446	-20.27	36.56
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**13.20**	**.4367**	**78.31**	**.6429**	**1.967**	**-.7187**
Stddev	7.90	.3816	26.98	.0367	.460	1.796
%RSD	59.85	87.38	34.45	5.710	23.40	249.9
#1	22.22	.8613	98.52	.6186	2.286	1.258
#2	9.845	.3265	88.74	.6851	1.439	-1.164
#3	7.531	.1223	47.67	.6249	2.176	-2.250
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 5/17/2012 14:52:53 Type: QC
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.1113**	**-.0181**	**.4589**	**.0945**	**3.023**	**7.124**
Stddev	3.460	1.690	.1182	.1669	.595	1.267
%RSD	3108.	9323.	25.75	176.5	19.69	17.79
#1	4.106	1.681	.5115	.2838	3.668	5.665
#2	-1.808	-1.699	.3235	-.0317	2.904	7.959
#3	-1.964	-.0362	.5416	.0316	2.496	7.747
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.8839**	**.6609**	**.9887**	**-25.29**
Stddev	.3824	.4390	2.517	8.46
%RSD	43.26	66.42	254.6	33.45
#1	-1.323	1.167	3.813	-32.73
#2	-.7045	.4373	.1714	-16.09
#3	-.6242	.3787	-1.018	-27.06
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2586.9**	**28649.**	**4709.8**
Stddev	11.1	33.	20.3
%RSD	.42746	.11494	.43127
#1	2574.5	28611.	4686.9
#2	2590.8	28663.	4716.8
#3	2595.6	28672.	4725.7

Sample Name: mb 460-112994/1-a Acquired: 5/17/2012 14:56:38 Type: QC
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.580**	**1.876**	**-.6539**	**.1258**	**-.0094**	**19.75**
Stddev	15.51	.913	.6482	.0453	.1103	14.71
%RSD	601.0	48.66	99.14	36.06	1172.	74.49
#1	-.5926	1.635	-1.241	.1449	-.0252	22.48
#2	-11.09	1.107	.0415	.0740	-.1110	32.90
#3	19.43	2.884	-.7616	.1584	.1080	3.865
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0556**	**.3646**	**.6354**	**-.8078**	**-13.27**	**8.624**
Stddev	.1262	.1158	.2714	2.577	5.80	54.43
%RSD	226.8	31.77	42.70	319.0	43.72	631.1
#1	-.0146	.4654	.3416	-3.618	-19.83	63.53
#2	-.1972	.3904	.8766	-.2503	-11.15	7.665
#3	.0449	.2381	.6881	1.444	-8.820	-45.32
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.964**	**-.0206**	**24.65**	**.2688**	**-1.156**	**.5580**
Stddev	3.869	.0748	4.12	.1927	1.580	4.619
%RSD	97.59	363.7	16.70	71.66	136.7	827.8
#1	7.179	-.1068	20.01	.1361	-2.716	1.617
#2	-.3294	.0210	26.07	.4898	.4428	-4.499
#3	5.043	.0242	27.87	.1806	-1.194	4.556
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: mb 460-112994/1-a Acquired: 5/17/2012 14:56:38 Type: QC
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.6925**	**-1.529**	**.4803**	**.2234**	**3.244**	**.4592**
Stddev	1.692	2.795	.4653	.1669	.148	.2561
%RSD	244.3	182.8	96.86	74.71	4.562	55.76
#1	.1038	1.638	.2027	.1723	3.074	.3115
#2	.4546	-3.649	1.018	.0880	3.315	.3112
#3	-2.636	-2.576	.2209	.4099	3.343	.7549
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.2207**	**.1004**	**-1.053**	**-5.526**
Stddev	.5301	.1671	.697	19.57
%RSD	240.2	166.4	66.19	354.2
#1	.3141	.0029	-1.203	-10.51
#2	-.7459	.0050	-.2934	-22.13
#3	-.2302	.2934	-1.663	16.06
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2633.5**	**29232.**	**4845.0**
Stddev	.9	99.	16.4
%RSD	.03408	.33741	.33926
#1	2634.3	29142.	4831.6
#2	2633.5	29216.	4840.2
#3	2632.6	29338.	4863.4

Sample Name: lb 460-112889/1-d@5 Acquired: 5/17/2012 15:00:20 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.862**	**4.176**	**-.6530**	**.1442**	**-.0484**	**35.86**
Stddev	4.565	3.546	.9231	.0884	.1314	14.01
%RSD	245.1	84.92	141.4	61.31	271.3	39.08
#1	6.333	8.095	.1845	.2456	-.0126	48.99
#2	-2.791	1.190	-.5007	.0838	-.1940	37.46
#3	2.044	3.242	-1.643	.1031	.0613	21.11
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0142**	**.1204**	**.6505**	**1.118**	**-10.56**	**-951.0**
Stddev	.1744	.1313	.2530	1.820	15.94	87.5
%RSD	1227.	109.1	38.89	162.8	150.9	9.196
#1	.0977	.2601	.3710	-.9827	-7.553	-1038.
#2	.1311	-.0006	.7167	2.216	3.662	-862.9
#3	-.1862	.1016	.8638	2.120	-27.80	-952.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.701**	**.0446**	F **275000.**	**1.403**	**.1680**	**.3011**
Stddev	1.992	.1234	2888.	.686	1.561	2.349
%RSD	73.77	276.8	1.050	48.90	929.6	780.1
#1	2.263	.1859	277600.	1.664	1.965	-2.238
#2	4.875	-.0101	275300.	1.921	-.8599	2.397
#3	.9636	-.0420	271900.	.6251	-.6009	.7452
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: lb 460-112889/1-d@5 Acquired: 5/17/2012 15:00:20 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.175**	**-3.623**	**.4698**	**1.013**	**2.495**	**-.0033**
Stddev	.498	1.975	.3269	.092	1.100	.3615
%RSD	22.89	54.51	69.57	9.103	44.11	10950.
#1	2.404	-4.527	.6563	.9882	2.504	-.4059
#2	1.604	-4.984	.0924	.9362	3.590	.1028
#3	2.517	-1.358	.6608	1.116	1.390	.2933
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.3593**	**.2930**	**-.0787**	**-3.739**
Stddev	.3836	.2066	.5946	5.800
%RSD	106.7	70.51	755.3	155.1
#1	-.6418	.0546	-.5102	-.5205
#2	-.5135	.4188	-.3254	-10.43
#3	.0773	.4057	.5995	-.2619
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2469.8**	**26798.**	**4739.5**
Stddev	6.7	49.	19.2
%RSD	.27130	.18349	.40432
#1	2474.7	26849.	4721.0
#2	2472.5	26794.	4738.3
#3	2462.1	26751.	4759.3

Sample Name: 460-40231-a-1-e ms@5 Acquired: 5/17/2012 15:04:04 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1240.**	**992.9**	**92.67**	**2068.**	**193.4**	**8567.**
Stddev	25.	1.7	.86	4.	.5	23.
%RSD	1.990	.1674	.9252	.1782	.2498	.2651
#1	1238.	991.7	92.50	2072.	194.0	8593.
#2	1265.	994.8	93.60	2068.	193.2	8553.
#3	1216.	992.2	91.91	2065.	193.1	8555.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**208.7**	**205.0**	**990.0**	**302.9**	**389.1**	**3930.**
Stddev	.2	.6	.6	2.0	6.2	32.
%RSD	.1161	.3149	.0642	.6490	1.586	.8069
#1	209.0	205.5	989.5	305.0	382.0	3893.
#2	208.7	204.3	990.7	302.4	392.9	3948.
#3	208.5	205.2	989.9	301.1	392.4	3948.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5642.**	**211.2**	F **269800.**	**211.5**	**1035.**	**195.7**
Stddev	10.	.3	1049.	1.1	2.	.6
%RSD	.1699	.1543	.3888	.5177	.1514	.2968
#1	5633.	211.6	271000.	212.2	1036.	196.2
#2	5652.	211.1	269300.	212.0	1037.	195.1
#3	5642.	210.9	269100.	210.2	1034.	195.8
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-40231-a-1-e ms@5 Acquired: 5/17/2012 15:04:04 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**200.7**	**203.1**	**98.12**	**330.7**	**195.9**	**200.5**
Stddev	1.9	.8	.22	.7	.7	.6
%RSD	.9460	.3787	.2218	.2171	.3696	.3184
#1	199.5	203.4	97.94	331.6	195.7	200.8
#2	199.6	202.2	98.36	330.4	195.3	201.0
#3	202.9	203.6	98.05	330.2	196.7	199.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**196.1**	**223.1**	**201.3**	**726.2**
Stddev	.8	.4	1.8	16.4
%RSD	.4169	.1714	.8782	2.261
#1	196.9	222.9	199.4	740.4
#2	196.1	222.9	202.8	730.0
#3	195.3	223.5	201.7	708.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2469.2**	**26843.**	**4719.8**
Stddev	6.3	125.	18.3
%RSD	.25379	.46744	.38855
#1	2462.0	26794.	4712.2
#2	2472.8	26750.	4740.7
#3	2472.9	26986.	4706.5

Sample Name: pds 460-40231-a-1-c@ Acquired: 5/17/2012 15:07:33 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5034.**	**4725.**	**458.5**	**9846.**	**934.4**	**23840.**
Stddev	25.	39.	1.9	80.	2.7	46.
%RSD	.4999	.8271	.4157	.8078	.2853	.1915
#1	5031.	4756.	460.7	9906.	932.4	23870.
#2	5060.	4739.	457.6	9877.	937.4	23860.
#3	5010.	4681.	457.3	9756.	933.3	23790.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1010.**	**1000.**	**4812.**	**1072.**	**1187.**	**19200.**
Stddev	8.	9.	23.	8.	4.	141.
%RSD	.7688	.8860	.4775	.7008	.3532	.7337
#1	1016.	1008.	4828.	1064.	1187.	19050.
#2	1012.	1003.	4823.	1078.	1190.	19240.
#3	1001.	990.5	4786.	1075.	1182.	19320.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**20650.**	**992.5**	F **290600.**	**1019.**	**4919.**	**972.0**
Stddev	93.	3.2	917.	9.	35.	6.4
%RSD	.4513	.3247	.3155	.8904	.7077	.6627
#1	20720.	994.3	290600.	1024.	4947.	978.3
#2	20690.	994.5	291500.	1023.	4930.	972.3
#3	20550.	988.8	289600.	1008.	4880.	965.4
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: pds 460-40231-a-1-c@ Acquired: 5/17/2012 15:07:33 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**971.6**	**1005.**	**477.8**	**1132.**	**920.9**	**981.7**
Stddev	4.4	5.	1.3	10.	4.8	10.1
%RSD	.4490	.5357	.2787	.8871	.5188	1.033
#1	975.7	1006.	478.8	1139.	924.1	989.3
#2	972.0	1010.	478.2	1136.	923.1	985.5
#3	967.0	999.4	476.3	1120.	915.4	970.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**778.6**	**970.4**	**932.8**	**794.2**
Stddev	9.1	1.9	4.2	3.8
%RSD	1.167	.1985	.4465	.4790
#1	785.5	970.2	928.1	791.1
#2	782.0	972.4	934.1	798.4
#3	768.3	968.6	936.2	793.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2459.6**	**26865.**	**4785.7**
Stddev	8.1	126.	32.8
%RSD	.32850	.46734	.68434
#1	2452.5	26799.	4772.7
#2	2457.9	26786.	4761.5
#3	2468.4	27010.	4823.0

Sample Name: 460-40266-a-1-b@5 Acquired: 5/17/2012 15:10:54 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**137.7**	**4.131**	**-.5026**	**24.90**	**.0386**	**4018.**
Stddev	21.3	.313	.1793	.57	.1713	22.
%RSD	15.50	7.573	35.68	2.274	443.6	.5433
#1	156.9	4.397	-.3714	25.47	.2323	4026.
#2	141.4	4.208	-.7069	24.90	-.0239	4034.
#3	114.7	3.786	-.4294	24.34	-.0926	3993.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.745**	**2.354**	**1.187**	**333.4**	**275.6**	**225.1**
Stddev	.101	.179	.256	5.8	12.8	31.4
%RSD	5.796	7.605	21.54	1.740	4.647	13.93
#1	1.862	2.453	1.366	338.6	289.5	199.0
#2	1.697	2.147	.8943	334.4	272.8	216.5
#3	1.677	2.461	1.302	327.1	264.4	259.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**935.1**	**243.8**	**249500.**	**5.387**	**70.87**	**1.323**
Stddev	16.7	1.5	863.	.387	1.52	1.862
%RSD	1.791	.6058	.3457	7.184	2.141	140.8
#1	945.5	244.8	250400.	5.814	71.71	-.7907
#2	944.0	244.5	249600.	5.060	71.78	2.723
#3	915.8	242.1	248600.	5.288	69.12	2.037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-40266-a-1-b@5 Acquired: 5/17/2012 15:10:54 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.199**	**-2.703**	**.4991**	**448.9**	**29.22**	**1.971**
Stddev	4.415	.385	.2186	4.8	.26	.540
%RSD	368.3	14.22	43.80	1.071	.8962	27.39
#1	-3.746	-2.312	.7488	452.2	29.18	1.354
#2	2.598	-2.716	.3420	451.2	29.51	2.204
#3	4.744	-3.081	.4066	443.4	28.99	2.355
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.1484**	**28.31**	**2.927**	**603.3**
Stddev	.1137	.24	.492	39.8
%RSD	76.65	.8542	16.83	6.592
#1	-.0719	28.58	3.083	572.9
#2	-.0942	28.26	3.322	588.6
#3	-.2791	28.10	2.375	648.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2489.9**	**27093.**	**4796.0**
Stddev	4.1	76.	6.6
%RSD	.16663	.27954	.13694
#1	2485.7	27037.	4791.2
#2	2494.0	27064.	4803.5
#3	2490.0	27179.	4793.2

Sample Name: 460-40334-e-6-a@4 Acquired: 5/17/2012 15:14:33 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**112200.**	**23.33**	**2.480**	**1010.**	**2.790**	**7308.**
Stddev	413.	.88	.280	1.	.105	39.
%RSD	.3678	3.782	11.30	.1270	3.762	.5311
#1	112000.	22.35	2.170	1011.	2.797	7279.
#2	112600.	24.07	2.715	1010.	2.890	7352.
#3	111800.	23.57	2.555	1009.	2.681	7294.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.4227**	**76.21**	**676.2**	**87.82**	**173700.**	**32740.**
Stddev	.0698	.81	2.7	2.97	257.	136.
%RSD	16.52	1.065	.3936	3.388	.1477	.4159
#1	.3937	76.95	679.3	84.62	174000.	32620.
#2	.3721	76.35	674.9	90.51	173700.	32890.
#3	.5024	75.34	674.5	88.31	173500.	32710.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**41050.**	**1736.**	**397.7**	**265.9**	**55.01**	**-1.295**
Stddev	59.	2.	59.6	1.2	1.61	1.882
%RSD	.1441	.0985	14.99	.4517	2.933	145.3
#1	41110.	1738.	463.8	267.0	53.56	-3.445
#2	41050.	1734.	381.6	266.0	56.75	-.4904
#3	40990.	1736.	347.9	264.6	54.71	.0505
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-40334-e-6-a@4 Acquired: 5/17/2012 15:14:33 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.9245**	**-.1277**	**403.3**	**268.8**	**7.726**	**-1.138**
Stddev	4.145	1.835	1.1	1.3	.601	.101
%RSD	448.4	1436.	.2763	.4924	7.773	8.850
#1	-2.049	-.1874	404.3	270.1	8.255	-1.226
#2	5.659	-1.932	403.6	268.9	7.073	-1.028
#3	-.8369	1.736	402.1	267.5	7.849	-1.159
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**4.022**	**61.52**	**7093.**	**1047.**
Stddev	1.070	.18	27.	5.
%RSD	26.61	.2984	.3796	.5136
#1	4.267	61.66	7075.	1042.
#2	4.948	61.59	7124.	1052.
#3	2.850	61.31	7081.	1048.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2787.9**	**30731.**	**5293.6**
Stddev	5.5	47.	19.2
%RSD	.19653	.15164	.36296
#1	2781.7	30682.	5315.6
#2	2792.1	30736.	5280.2
#3	2789.8	30774.	5285.1

Sample Name: 460-40258-a-1-e@4 Acquired: 5/17/2012 15:18:05 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**13570.**	**24.18**	**.3146**	**157.6**	**.7034**	**3546.**
Stddev	22.	1.53	.2884	1.8	.0816	17.
%RSD	.1635	6.313	91.67	1.144	11.60	.4854
#1	13590.	23.84	.6401	159.0	.7966	3564.
#2	13550.	25.85	.2125	158.3	.6445	3530.
#3	13580.	22.85	.0911	155.6	.6691	3543.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0593**	**15.28**	**33.71**	**32.30**	**40260.**	**2059.**
Stddev	.0752	.11	.27	.59	234.	85.
%RSD	126.9	.7502	.8138	1.825	.5802	4.106
#1	-.0110	15.33	33.98	32.94	40440.	2149.
#2	.1386	15.16	33.43	32.18	40340.	2044.
#3	.0503	15.37	33.72	31.78	39990.	1982.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**6863.**	**530.4**	**1581.**	**34.49**	**13.57**	**.4170**
Stddev	29.	1.9	15.	.59	1.30	1.598
%RSD	.4259	.3606	.9182	1.703	9.546	383.1
#1	6896.	531.6	1577.	34.70	15.07	-1.403
#2	6853.	531.3	1597.	34.94	12.79	1.064
#3	6840.	528.2	1568.	33.82	12.86	1.589
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-40258-a-1-e@4 Acquired: 5/17/2012 15:18:05 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.691**	**-.1152**	**58.48**	**74.61**	**6.707**	**.9698**
Stddev	3.698	.6071	.47	.84	.652	.4076
%RSD	218.6	526.8	.7954	1.120	9.720	42.03
#1	-3.133	-.5298	58.91	75.13	6.539	.8788
#2	2.510	.5816	58.54	75.06	6.156	1.415
#3	-4.451	-.3975	57.99	73.65	7.427	.6154
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**3.453**	**30.76**	**604.9**	**692.2**
Stddev	.297	.16	3.1	14.8
%RSD	8.616	.5309	.5118	2.131
#1	3.755	30.86	601.3	686.8
#2	3.445	30.85	606.9	708.8
#3	3.160	30.57	606.4	680.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2649.0**	**29369.**	**4890.5**
Stddev	19.4	129.	27.8
%RSD	.73197	.43848	.56764
#1	2627.6	29229.	4858.5
#2	2653.9	29397.	4905.9
#3	2665.4	29482.	4907.2

Sample Name: 460-40258-a-2-e@4 Acquired: 5/17/2012 15:21:43 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**17310.**	**78.65**	**2.268**	**245.5**	**1.164**	**50960.**
Stddev	37.	.29	.519	1.6	.181	222.
%RSD	.2127	.3628	22.91	.6470	15.52	.4357
#1	17320.	78.64	2.418	246.1	1.372	51060.
#2	17350.	78.94	1.690	246.7	1.070	51120.
#3	17270.	78.37	2.696	243.7	1.049	50710.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.840**	**18.20**	**399.5**	**503.7**	**89310.**	**3059.**
Stddev	.086	.24	2.5	6.1	379.	91.
%RSD	4.681	1.324	.6328	1.213	.4246	2.959
#1	1.868	18.02	401.9	506.5	89670.	3112.
#2	1.743	18.48	399.7	508.0	89360.	3111.
#3	1.909	18.11	396.9	496.7	88910.	2955.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**17850.**	**1678.**	**988.0**	**142.6**	**1079.**	**4.685**
Stddev	69.	8.	15.8	.9	6.	.992
%RSD	.3855	.4742	1.594	.6349	.5548	21.16
#1	17900.	1687.	970.7	142.7	1081.	5.720
#2	17890.	1676.	991.9	143.5	1083.	3.744
#3	17780.	1671.	1001.	141.7	1072.	4.591
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-40258-a-2-e@4 Acquired: 5/17/2012 15:21:43 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0457**	**1.724**	**49.25**	**493.7**	**22.11**	**8.987**
Stddev	5.275	1.590	.49	3.1	1.45	.080
%RSD	11540.	92.21	1.001	.6363	6.548	.8862
#1	6.126	2.316	49.76	495.0	23.76	9.079
#2	-3.311	2.934	48.77	495.9	21.08	8.939
#3	-2.677	-.0767	49.21	490.1	21.48	8.943
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**68.20**	**411.0**	**849.7**	**941.7**
Stddev	1.44	1.7	1.9	17.4
%RSD	2.105	.4160	.2240	1.845
#1	69.46	412.0	848.1	949.3
#2	68.51	412.1	851.8	954.1
#3	66.64	409.1	849.3	921.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2582.4**	**28552.**	**4870.9**
Stddev	7.7	61.	20.2
%RSD	.29872	.21522	.41393
#1	2578.8	28504.	4855.0
#2	2577.2	28531.	4893.6
#3	2591.3	28621.	4864.2

Sample Name: 460-40258-a-3-e@4 Acquired: 5/17/2012 15:25:15 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**25130.**	**68.27**	**1.793**	**399.8**	**1.981**	**31210.**
Stddev	53.	.17	.486	1.7	.102	44.
%RSD	.2100	.2508	27.09	.4335	5.144	.1396
#1	25070.	68.20	1.574	401.7	2.055	31260.
#2	25150.	68.14	2.349	399.2	2.024	31200.
#3	25170.	68.46	1.455	398.4	1.865	31170.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.296**	**23.93**	**104.9**	**179.9**	**72830.**	**4331.**
Stddev	.042	.21	.7	4.2	255.	41.
%RSD	1.842	.8721	.6389	2.342	.3500	.9383
#1	2.342	24.13	105.6	175.1	73120.	4348.
#2	2.288	23.95	104.8	182.5	72750.	4361.
#3	2.258	23.72	104.3	182.2	72630.	4285.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**21070.**	**1031.**	**867.8**	**87.98**	**436.8**	**.1017**
Stddev	63.	3.	11.1	.67	1.0	1.569
%RSD	.2967	.3237	1.282	.7624	.2212	1542.
#1	21130.	1034.	864.3	87.67	436.8	-.8016
#2	21060.	1030.	880.3	88.75	435.8	1.913
#3	21010.	1028.	859.0	87.53	437.7	-.8065
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-40258-a-3-e@4 Acquired: 5/17/2012 15:25:15 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.953**	**.7265**	**108.9**	**415.6**	**23.78**	**5.830**
Stddev	2.519	1.926	.4	1.6	.10	.417
%RSD	85.29	265.2	.3392	.3731	.4373	7.158
#1	4.522	2.916	109.2	415.8	23.89	5.586
#2	.0478	-.7090	108.5	417.0	23.78	5.593
#3	4.289	-.0273	108.9	414.0	23.68	6.312
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**19.52**	**162.9**	**1404.**	**1111.**
Stddev	.31	.3	3.	49.
%RSD	1.566	.1757	.1974	4.376
#1	19.21	163.2	1407.	1154.
#2	19.82	163.0	1402.	1121.
#3	19.55	162.7	1402.	1059.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2651.8**	**29303.**	**5013.4**
Stddev	7.5	16.	11.9
%RSD	.28324	.05325	.23829
#1	2651.3	29305.	5024.2
#2	2659.6	29317.	5015.5
#3	2644.6	29286.	5000.5

Sample Name: 460-40258-a-4-e@4 Acquired: 5/17/2012 15:28:48 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**43360.**	**23.16**	**1.676**	**322.2**	**1.315**	**26140.**
Stddev	186.	2.37	.341	1.8	.024	113.
%RSD	.4284	10.22	20.37	.5611	1.799	.4330
#1	43260.	22.05	1.998	323.0	1.308	26140.
#2	43580.	21.55	1.710	323.4	1.296	26260.
#3	43250.	25.88	1.318	320.1	1.341	26030.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.4322**	**37.09**	**113.1**	**230.0**	**130100.**	**9593.**
Stddev	.1264	.20	.8	3.2	526.	75.
%RSD	29.26	.5348	.7153	1.371	.4043	.7834
#1	.3648	37.04	112.4	229.3	130000.	9520.
#2	.3537	37.31	114.0	233.5	130600.	9589.
#3	.5780	36.92	112.9	227.3	129600.	9670.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**23940.**	**2094.**	**3626.**	**83.38**	**36.13**	**-3.021**
Stddev	70.	6.	16.	.78	.50	2.606
%RSD	.2939	.2827	.4359	.9319	1.384	86.27
#1	23890.	2093.	3634.	83.41	35.57	-4.676
#2	24020.	2100.	3637.	84.13	36.31	-4.371
#3	23910.	2089.	3608.	82.58	36.53	-.0166
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-40258-a-4-e@4 Acquired: 5/17/2012 15:28:48 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.2555**	**-.1900**	**209.0**	**197.6**	**51.89**	**-.0391**
Stddev	3.382	2.511	1.3	1.1	.80	.0923
%RSD	1324.	1322.	.6335	.5728	1.533	236.1
#1	-4.153	.5614	209.9	197.7	52.30	-.0002
#2	1.486	-2.991	209.5	198.6	52.38	.0274
#3	1.901	1.860	207.4	196.4	50.97	-.1445
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**4.801**	**128.5**	**2827.**	**714.0**
Stddev	.513	.5	9.	29.5
%RSD	10.68	.4065	.3231	4.136
#1	4.421	128.4	2829.	705.8
#2	5.384	129.1	2835.	746.8
#3	4.598	128.1	2817.	689.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2641.5**	**29176.**	**4969.3**
Stddev	3.6	77.	24.2
%RSD	.13562	.26545	.48763
#1	2638.2	29241.	4982.5
#2	2640.9	29090.	4941.3
#3	2645.3	29197.	4984.0

Sample Name: CCV Acquired: 5/17/2012 15:32:23 Type: QC
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**126000.**	**2544.**	**1250.**	**10240.**	**970.0**	**123400.**
Stddev	148.	14.	4.	43.	1.8	281.
%RSD	.1174	.5464	.2935	.4187	.1866	.2280
#1	126100.	2552.	1251.	10270.	968.5	123400.
#2	126100.	2551.	1252.	10260.	972.0	123700.
#3	125800.	2528.	1245.	10190.	969.5	123200.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1294.**	**2532.**	**5098.**	**12380.**	**101400.**	**49530.**
Stddev	5.	10.	16.	8.	234.	128.
%RSD	.3883	.3927	.3196	.0619	.2307	.2579
#1	1297.	2538.	5114.	12380.	101600.	49400.
#2	1296.	2538.	5098.	12390.	101500.	49650.
#3	1288.	2521.	5082.	12370.	101200.	49540.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**126200.**	**5125.**	**124000.**	**2561.**	**7689.**	**1031.**
Stddev	390.	10.	310.	11.	30.	7.
%RSD	.3091	.1925	.2497	.4343	.3947	.6957
#1	126600.	5134.	124200.	2570.	7717.	1038.
#2	126200.	5126.	124200.	2565.	7694.	1033.
#3	125800.	5114.	123600.	2549.	7657.	1024.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 5/17/2012 15:32:23 Type: QC
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2504.**	**2595.**	**2517.**	**2539.**	**997.2**	**2576.**
Stddev	12.	13.	7.	9.	1.0	16.
%RSD	.4894	.4958	.2718	.3383	.0972	.6024
#1	2512.	2606.	2522.	2544.	997.6	2591.
#2	2511.	2600.	2519.	2544.	997.9	2578.
#3	2490.	2581.	2509.	2529.	996.1	2560.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1016.**	**4991.**	**10140.**	**9890.**
Stddev	4.	9.	29.	20.
%RSD	.3532	.1704	.2817	.2033
#1	1020.	4989.	10150.	9892.
#2	1017.	5000.	10160.	9908.
#3	1012.	4984.	10100.	9868.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2430.6**	**26541.**	**4724.0**
Stddev	6.2	72.	1.4
%RSD	.25549	.26965	.02952
#1	2424.1	26459.	4723.6
#2	2431.2	26593.	4725.5
#3	2436.5	26570.	4722.8

Sample Name: CCB Acquired: 5/17/2012 15:35:42 Type: QC
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**15.23**	**3.727**	**-.2223**	**.7129**	**.0571**	**14.22**
Stddev	21.75	2.813	.7331	.6368	.1121	4.45
%RSD	142.8	75.48	329.8	89.32	196.4	31.31
#1	24.13	6.596	-1.068	1.441	.1747	15.53
#2	31.12	.9733	.1809	.4374	-.0485	17.88
#3	-9.555	3.611	.2208	.2603	.0450	9.261
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0733**	**.3668**	**.6250**	**4.407**	**.1994**	**58.30**
Stddev	.1465	.4332	.2576	3.002	10.27	94.47
%RSD	199.9	118.1	41.22	68.12	5153.	162.0
#1	.1989	.8475	.9196	5.512	12.06	167.2
#2	.1087	.0064	.5137	6.699	-5.878	-2.236
#3	-.0877	.2464	.4418	1.009	-5.584	9.977
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**12.26**	**.4577**	**74.14**	**.6441**	**1.111**	**2.468**
Stddev	9.79	.4384	38.60	.0856	1.047	1.603
%RSD	79.80	95.78	52.06	13.30	94.25	64.95
#1	22.03	.9413	110.4	.7422	-.0635	3.117
#2	12.30	.3455	78.52	.5844	1.450	.6422
#3	2.460	.0863	33.54	.6057	1.947	3.644
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 5/17/2012 15:35:42 Type: QC
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.991**	**-.0848**	**.3598**	**.0520**	**2.388**	**6.701**
Stddev	.423	2.265	.4115	.2917	.812	1.309
%RSD	21.25	2672.	114.4	561.2	33.99	19.53
#1	1.522	-1.977	.8327	.3314	3.159	5.213
#2	2.343	-.7033	.1627	.0753	2.465	7.673
#3	2.108	2.426	.0839	-.2507	1.541	7.218
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.8331**	**.5981**	**2.601**	**-27.57**
Stddev	.3446	.3743	.817	15.60
%RSD	41.36	62.57	31.41	56.58
#1	.9030	1.014	2.579	-40.75
#2	1.137	.4935	1.795	-31.63
#3	.4590	.2873	3.429	-10.34
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2598.1**	**28811.**	**4789.0**
Stddev	8.7	5.	20.8
%RSD	.33395	.01760	.43485
#1	2607.5	28816.	4812.8
#2	2596.2	28811.	4780.3
#3	2590.5	28806.	4774.0

Sample Name: 460-40258-a-5-e@4 Acquired: 5/17/2012 15:39:27 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**16790.**	**10.74**	**.6020**	**60.20**	**.6461**	**8748.**
Stddev	113.	2.21	.6569	.14	.1059	77.
%RSD	.6741	20.59	109.1	.2331	16.40	.8790
#1	16660.	9.731	1.119	60.13	.6894	8660.
#2	16870.	13.27	.8246	60.10	.7236	8803.
#3	16850.	9.211	-.1373	60.36	.5254	8781.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.1608**	**13.79**	**43.81**	**31.33**	**46560.**	**3175.**
Stddev	.0886	.11	.52	2.08	132.	42.
%RSD	55.11	.7987	1.190	6.632	.2844	1.336
#1	.0674	13.90	43.21	31.26	46700.	3129.
#2	.2437	13.80	44.07	29.28	46440.	3213.
#3	.1714	13.68	44.16	33.44	46530.	3183.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**7596.**	**406.6**	**1690.**	**33.54**	**40.72**	**1.770**
Stddev	21.	.7	14.	.40	1.63	.424
%RSD	.2800	.1737	.8484	1.189	3.998	23.94
#1	7602.	407.4	1700.	33.27	40.41	1.848
#2	7572.	406.3	1673.	34.00	39.27	2.150
#3	7614.	406.1	1697.	33.36	42.48	1.313
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-40258-a-5-e@4 Acquired: 5/17/2012 15:39:27 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.1901**	**-1.204**	**68.36**	**84.35**	**14.12**	**3.403**
Stddev	1.793	1.684	.53	.18	1.54	.335
%RSD	943.3	139.9	.7722	.2190	10.94	9.831
#1	.1604	.7128	68.96	84.31	14.06	3.094
#2	-2.133	-2.444	68.16	84.55	12.60	3.358
#3	1.402	-1.880	67.96	84.19	15.69	3.759
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**4.166**	**50.22**	**645.8**	**840.1**
Stddev	.495	.15	4.8	21.6
%RSD	11.89	.3075	.7495	2.577
#1	4.578	50.19	640.2	828.5
#2	3.617	50.38	648.0	826.7
#3	4.304	50.07	649.1	865.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2639.1**	**29175.**	**4937.9**
Stddev	7.9	54.	15.6
%RSD	.29909	.18386	.31521
#1	2647.8	29220.	4955.5
#2	2637.2	29189.	4932.1
#3	2632.4	29116.	4926.0

Sample Name: 460-40258-a-6-e@4 Acquired: 5/17/2012 15:43:03 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**20030.**	**11.31**	**.2551**	**191.1**	**1.107**	**4903.**
Stddev	72.	1.25	.5440	1.4	.095	14.
%RSD	.3618	11.09	213.3	.7522	8.596	.2774
#1	20110.	11.74	.7558	192.5	1.108	4918.
#2	20010.	9.893	-.3238	191.2	1.011	4894.
#3	19970.	12.28	.3332	189.6	1.201	4896.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.5324**	**28.22**	**82.11**	**96.61**	**85860.**	**5544.**
Stddev	.0678	.15	.74	1.29	415.	55.
%RSD	12.74	.5462	.8974	1.334	.4835	.9973
#1	.6080	28.35	82.72	97.00	86300.	5594.
#2	.4770	28.26	81.29	97.66	85800.	5484.
#3	.5123	28.05	82.31	95.17	85470.	5553.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**9157.**	**1608.**	**1536.**	**66.57**	**30.33**	**-.0153**
Stddev	28.	6.	24.	.20	.71	1.911
%RSD	.3006	.3690	1.587	.2988	2.337	12490.
#1	9188.	1614.	1562.	66.79	30.21	1.845
#2	9146.	1605.	1530.	66.53	29.69	-1.973
#3	9137.	1604.	1514.	66.39	31.09	.0818
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-40258-a-6-e@4 Acquired: 5/17/2012 15:43:03 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.568**	**-.4101**	**115.7**	**156.1**	**10.48**	**1.018**
Stddev	4.106	2.358	.3	1.1	.10	.346
%RSD	115.1	575.0	.2463	.6860	.9364	34.03
#1	2.710	-3.045	116.0	157.1	10.59	.6186
#2	-.0413	.3113	115.5	156.2	10.43	1.197
#3	8.035	1.503	115.5	155.0	10.41	1.238
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**4.321**	**40.38**	**1608.**	**677.3**
Stddev	.559	.24	11.	13.7
%RSD	12.94	.5910	.6598	2.019
#1	4.908	40.65	1620.	685.7
#2	3.794	40.20	1604.	661.6
#3	4.261	40.29	1600.	684.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2723.7**	**30034.**	**5098.1**
Stddev	8.7	163.	31.5
%RSD	.31834	.54275	.61865
#1	2715.3	29847.	5063.2
#2	2723.2	30112.	5106.6
#3	2732.6	30144.	5124.5

Sample Name: 460-40258-a-7-e@4 Acquired: 5/17/2012 15:46:37 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**29200.**	**16.69**	**-.4989**	**106.8**	**1.513**	**5096.**
Stddev	178.	3.25	.0809	1.1	.040	47.
%RSD	.6092	19.44	16.21	1.045	2.654	.9205
#1	29210.	13.51	-.5894	107.9	1.509	5067.
#2	29370.	20.00	-.4337	106.8	1.554	5150.
#3	29020.	16.57	-.4736	105.7	1.474	5071.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.1914**	**25.71**	**47.43**	**85.59**	**64980.**	**3299.**
Stddev	.0827	.27	.55	3.85	536.	57.
%RSD	43.21	1.064	1.157	4.499	.8242	1.740
#1	.2670	26.01	47.17	81.29	65460.	3299.
#2	.2042	25.48	48.06	86.74	65080.	3357.
#3	.1031	25.65	47.05	88.73	64400.	3242.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**9918.**	**817.3**	**708.9**	**50.27**	**80.61**	**.8656**
Stddev	68.	5.8	16.3	.77	1.16	2.982
%RSD	.6893	.7154	2.292	1.524	1.433	344.5
#1	9969.	822.0	726.5	50.44	81.86	2.519
#2	9946.	819.2	705.8	50.94	80.39	2.655
#3	9840.	810.8	694.4	49.43	79.58	-2.577
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-40258-a-7-e@4 Acquired: 5/17/2012 15:46:37 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.6714**	**-.8722**	**66.05**	**174.0**	**21.85**	**.2118**
Stddev	2.179	1.029	.62	2.5	.83	.3123
%RSD	324.6	118.0	.9369	1.437	3.815	147.4
#1	3.136	-1.380	66.62	175.7	22.32	-.1311
#2	-.1205	-1.549	66.14	175.2	22.34	.4799
#3	-1.001	.3125	65.39	171.1	20.89	.2867
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**5.524**	**50.11**	**545.4**	**891.5**
Stddev	.477	.28	2.8	13.3
%RSD	8.638	.5517	.5216	1.490
#1	5.745	50.14	546.9	880.0
#2	5.850	50.37	547.2	888.4
#3	4.976	49.82	542.1	906.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2678.3**	**29561.**	**5006.4**
Stddev	4.1	114.	22.1
%RSD	.15433	.38483	.44181
#1	2673.8	29444.	5008.8
#2	2682.0	29569.	4983.2
#3	2678.9	29671.	5027.2

Sample Name: 460-40258-a-8-e@4 Acquired: 5/17/2012 15:50:12 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**51080.**	**13.22**	**1.551**	**454.4**	**2.356**	**70650.**
Stddev	53.	2.14	.994	2.2	.094	96.
%RSD	.1036	16.21	64.08	.4853	3.975	.1356
#1	51060.	11.74	2.297	456.9	2.248	70630.
#2	51140.	12.25	1.933	453.4	2.414	70750.
#3	51040.	15.68	.4228	452.7	2.406	70560.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.5933**	**51.04**	**137.6**	**119.3**	**111900.**	**16170.**
Stddev	.1010	.25	.7	2.7	479.	72.
%RSD	17.02	.4958	.5152	2.253	.4276	.4426
#1	.6556	51.10	138.4	121.7	112300.	16110.
#2	.6474	51.26	137.3	119.9	112000.	16150.
#3	.4768	50.77	137.1	116.4	111400.	16250.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**46610.**	**2340.**	**2859.**	**125.1**	**49.86**	**-2.101**
Stddev	244.	6.	19.	1.4	.71	2.710
%RSD	.5234	.2572	.6695	1.108	1.417	129.0
#1	46820.	2345.	2852.	126.5	50.48	.9537
#2	46680.	2342.	2845.	125.1	50.02	-4.215
#3	46340.	2333.	2881.	123.7	49.09	-3.041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-40258-a-8-e@4 Acquired: 5/17/2012 15:50:12 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0914**	**-.8685**	**159.6**	**316.8**	**17.05**	**-1.371**
Stddev	1.777	1.245	1.0	1.9	.78	.431
%RSD	1945.	143.3	.6228	.6145	4.555	31.45
#1	-1.676	-2.290	160.6	318.5	17.56	-1.377
#2	1.878	-.3407	159.6	317.3	17.42	-1.800
#3	.0726	.0256	158.6	314.7	16.15	-.9375
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**4.670**	**146.2**	**3770.**	**942.0**
Stddev	.655	.0	8.	17.2
%RSD	14.02	.0154	.2111	1.825
#1	3.999	146.2	3766.	929.3
#2	4.703	146.1	3779.	935.0
#3	5.307	146.1	3764.	961.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2721.6**	**30049.**	**5200.7**
Stddev	3.7	54.	3.7
%RSD	.13666	.17908	.07200
#1	2717.4	30019.	5202.9
#2	2724.5	30017.	5196.4
#3	2722.9	30111.	5202.8

Sample Name: 460-40258-a-10-e@4 Acquired: 5/17/2012 15:53:45 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**31480.**	**23.09**	**.9374**	**111.0**	**1.699**	**20150.**
Stddev	196.	1.36	.1929	.9	.008	168.
%RSD	.6237	5.900	20.57	.7952	.4542	.8351
#1	31590.	23.18	.7854	112.0	1.708	20260.
#2	31590.	24.41	.8725	110.6	1.694	20240.
#3	31250.	21.69	1.154	110.4	1.695	19960.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.3919**	**24.84**	**170.1**	**77.38**	**112000.**	**4265.**
Stddev	.0174	.10	.6	4.06	583.	26.
%RSD	4.447	.3870	.3432	5.249	.5202	.6174
#1	.3722	24.75	170.2	72.69	112400.	4244.
#2	.3982	24.82	170.6	79.67	112200.	4294.
#3	.4053	24.94	169.4	79.79	111300.	4257.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**16020.**	**1188.**	**6945.**	**58.36**	**202.8**	**-1.345**
Stddev	90.	6.	32.	.17	3.3	.896
%RSD	.5642	.4716	.4607	.2944	1.618	66.65
#1	16090.	1192.	6956.	58.49	206.5	-1.913
#2	16050.	1191.	6970.	58.16	201.9	-1.810
#3	15910.	1182.	6909.	58.42	200.2	-.3115
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-40258-a-10-e@4 Acquired: 5/17/2012 15:53:45 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.242**	**.0312**	**116.6**	**306.6**	**35.03**	**1.333**
Stddev	.797	2.004	1.2	2.2	.54	.124
%RSD	18.80	6433.	.9905	.7307	1.541	9.263
#1	3.671	-2.174	117.8	309.1	35.01	1.215
#2	3.900	.5263	115.6	305.7	34.50	1.461
#3	5.153	1.742	116.3	304.9	35.58	1.324
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**8.612**	**135.9**	**773.4**	**967.3**
Stddev	.466	.7	4.4	16.2
%RSD	5.408	.5405	.5719	1.673
#1	8.231	136.4	774.7	980.5
#2	8.473	136.2	777.0	949.2
#3	9.131	135.0	768.4	972.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2642.7**	**29171.**	**4958.9**
Stddev	15.5	203.	36.0
%RSD	.58523	.69521	.72654
#1	2625.1	29015.	4923.2
#2	2654.1	29097.	4958.1
#3	2648.9	29400.	4995.3

Sample Name: 460-40258-a-11-e@4 Acquired: 5/17/2012 15:57:17 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**28630.**	**22.30**	**.9363**	**108.8**	**1.311**	**10900.**
Stddev	176.	3.18	.2271	.9	.139	49.
%RSD	.6154	14.25	24.26	.7830	10.58	.4466
#1	28760.	22.99	.9991	109.6	1.393	10950.
#2	28690.	18.84	1.125	108.9	1.151	10920.
#3	28430.	25.08	.6843	107.9	1.389	10850.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.3332**	**28.37**	**71.04**	**99.75**	**88670.**	**7019.**
Stddev	.1115	.28	.74	5.16	483.	79.
%RSD	33.46	.9835	1.035	5.176	.5452	1.120
#1	.4545	28.35	71.83	103.3	89150.	7108.
#2	.3099	28.66	70.91	93.83	88670.	6959.
#3	.2352	28.10	70.38	102.1	88180.	6990.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**10890.**	**683.4**	**2687.**	**58.42**	**25.43**	**-1.675**
Stddev	55.	3.8	15.	1.11	.90	2.965
%RSD	.5054	.5569	.5617	1.899	3.551	177.0
#1	10950.	686.9	2697.	59.68	26.22	-.7351
#2	10870.	683.8	2694.	57.58	25.62	.7055
#3	10850.	679.3	2670.	57.99	24.45	-4.996
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-40258-a-11-e@4 Acquired: 5/17/2012 15:57:17 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.258**	**.4192**	**119.6**	**147.7**	**13.97**	**-.1293**
Stddev	.712	2.838	1.1	1.1	.56	.3620
%RSD	31.51	677.1	.9112	.7139	4.023	280.0
#1	2.268	-.5741	120.8	148.9	14.57	-.4480
#2	1.541	-1.789	119.2	147.1	13.88	.2643
#3	2.964	3.621	118.7	147.0	13.46	-.2042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**3.988**	**61.24**	**1488.**	**797.4**
Stddev	.544	.31	6.	28.1
%RSD	13.66	.5005	.3855	3.526
#1	3.606	61.60	1491.	805.6
#2	4.611	61.10	1492.	766.1
#3	3.746	61.04	1482.	820.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2688.1**	**29549.**	**5024.6**
Stddev	14.2	166.	38.3
%RSD	.52934	.56207	.76164
#1	2672.0	29358.	4990.1
#2	2699.1	29635.	5017.9
#3	2693.1	29655.	5065.8

Sample Name: 460-40258-a-13-e@4 Acquired: 5/17/2012 16:00:51 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**84290.**	**19.03**	**3.459**	**928.2**	**3.390**	**32030.**
Stddev	214.	2.82	.184	5.3	.155	64.
%RSD	.2539	14.85	5.309	.5705	4.584	.2011
#1	84540.	19.61	3.616	931.7	3.568	32100.
#2	84180.	15.95	3.503	930.7	3.322	32030.
#3	84160.	21.51	3.257	922.1	3.280	31970.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.7668**	**84.97**	**218.8**	**169.9**	**158700.**	**31430.**
Stddev	.0232	.53	1.0	4.1	830.	69.
%RSD	3.021	.6258	.4623	2.410	.5231	.2194
#1	.7489	85.53	219.4	168.7	159300.	31500.
#2	.7586	84.91	219.3	166.5	158900.	31420.
#3	.7930	84.47	217.6	174.4	157700.	31370.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**53660.**	**2573.**	**5303.**	**219.6**	**62.94**	**-3.223**
Stddev	283.	13.	33.	1.8	1.45	1.471
%RSD	.5277	.4872	.6248	.8159	2.311	45.65
#1	53880.	2585.	5277.	221.1	61.45	-4.594
#2	53750.	2575.	5292.	220.2	64.35	-1.669
#3	53340.	2560.	5340.	217.6	63.02	-3.406
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-40258-a-13-e@4 Acquired: 5/17/2012 16:00:51 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.188**	**1.970**	**232.9**	**415.1**	**23.78**	**-1.973**
Stddev	2.306	1.188	1.2	2.5	.49	.083
%RSD	105.4	60.30	.4989	.6105	2.078	4.215
#1	1.035	.6338	232.7	417.5	24.21	-1.880
#2	4.842	2.907	234.1	415.2	23.87	-2.041
#3	.6859	2.371	231.8	412.5	23.24	-1.998
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**6.322**	**117.8**	**6174.**	**1076.**
Stddev	.798	.1	18.	21.
%RSD	12.62	.0870	.2989	1.936
#1	6.061	117.9	6193.	1085.
#2	7.217	117.7	6174.	1092.
#3	5.686	117.8	6156.	1053.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2724.6**	**29885.**	**5172.5**
Stddev	5.0	56.	9.0
%RSD	.18383	.18866	.17343
#1	2718.8	29851.	5165.5
#2	2727.2	29854.	5182.6
#3	2727.7	29950.	5169.4

Sample Name: 460-40276-c-9-a Acquired: 5/17/2012 16:04:23 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**11.71**	**1.336**	**-.1613**	**.0198**	**-.0565**	**22.31**
Stddev	12.42	1.143	.7486	.1059	.1333	8.25
%RSD	106.0	85.53	464.2	535.4	235.9	36.95
#1	26.05	.5367	-.1825	.1288	.0390	31.52
#2	4.217	2.645	-.8990	-.0826	-.2087	19.81
#3	4.870	.8267	.5977	.0131	.0003	15.61
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0519**	**.2797**	**.2267**	**3.195**	**5.303**	**53.04**
Stddev	.0339	.2570	.1979	1.604	5.846	38.58
%RSD	65.33	91.87	87.30	50.19	110.2	72.73
#1	-.0855	.5714	.4205	4.404	1.412	54.38
#2	-.0177	.0866	.0249	3.804	2.472	90.94
#3	-.0525	.1811	.2347	1.376	12.03	13.81
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**7.990**	**.2969**	**23.88**	**.4100**	**.9406**	**-1.012**
Stddev	8.642	.1319	10.28	.2326	.9548	.169
%RSD	108.2	44.43	43.06	56.74	101.5	16.75
#1	17.85	.4061	21.65	.6467	.6540	-1.170
#2	4.409	.3342	35.09	.1817	.1620	-1.031
#3	1.713	.1503	14.89	.4016	2.006	-.8333
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-40276-c-9-a Acquired: 5/17/2012 16:04:23 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.148**	**-1.631**	**-.1701**	**.2660**	**7.900**	**-.5032**
Stddev	2.449	1.114	.1555	.0948	.175	.3203
%RSD	213.4	68.27	91.39	35.65	2.214	63.66
#1	1.854	-.3623	-.0865	.1591	7.794	-.8501
#2	3.165	-2.086	-.3495	.2990	7.804	-.4407
#3	-1.577	-2.446	-.0743	.3399	8.102	-.2187
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.5176**	**.0011**	**-.4433**	**-.6888**
Stddev	1.328	.0827	.9408	14.96
%RSD	256.5	7650.	212.2	2172.
#1	.0109	.0092	-1.154	10.23
#2	-2.028	-.0854	.6234	-17.74
#3	.4644	.0793	-.7992	5.450
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2641.5**	**29504.**	**4882.4**
Stddev	11.5	48.	20.3
%RSD	.43468	.16336	.41490
#1	2634.1	29497.	4894.0
#2	2635.8	29460.	4894.2
#3	2654.8	29555.	4859.0

Sample Name: 460-40306-d-1-a Acquired: 5/17/2012 16:08:05 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-3.963**	**1.614**	**-.4799**	**.0320**	**-.0971**	**26.80**
Stddev	20.86	2.015	.6732	.0683	.0301	3.17
%RSD	526.3	124.8	140.3	213.3	30.99	11.84
#1	11.90	.1615	-.0853	.0420	-.0822	23.38
#2	3.808	.7673	-1.257	-.0407	-.1318	27.38
#3	-27.59	3.915	-.0973	.0948	-.0774	29.64
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0389**	**.3291**	**.5145**	**2.344**	**5.240**	**9.863**
Stddev	.1176	.0811	.3711	1.500	5.748	38.86
%RSD	302.0	24.64	72.12	64.00	109.7	394.0
#1	.1189	.2886	.2764	.6146	11.87	-22.21
#2	-.0961	.2763	.3252	3.297	1.622	-1.279
#3	.0940	.4225	.9421	3.119	2.229	53.07
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.660**	**.1085**	**28.19**	**.4587**	**1.178**	**1.646**
Stddev	2.297	.0545	14.28	.3774	.207	1.703
%RSD	86.37	50.19	50.64	82.29	17.55	103.5
#1	4.523	.0924	12.67	.8799	1.159	3.278
#2	.0932	.1692	40.77	.3448	.9814	-.1206
#3	3.363	.0639	31.13	.1513	1.393	1.779
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-40306-d-1-a Acquired: 5/17/2012 16:08:05 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.5827**	**-2.504**	**.3801**	**.4621**	**2.591**	**-.7596**
Stddev	1.118	1.240	.2729	.1437	1.163	.5771
%RSD	191.8	49.52	71.80	31.10	44.89	75.98
#1	-.6394	-1.376	.6703	.5408	3.771	-1.421
#2	.8349	-3.832	.1286	.5494	1.445	-.3572
#3	1.553	-2.303	.3414	.2962	2.557	-.5007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.1876**	**.1739**	**.0335**	**-19.44**
Stddev	.3616	.1814	.7722	10.85
%RSD	192.8	104.3	2304.	55.80
#1	-.1695	.2845	.3635	-31.55
#2	-.5579	.2727	.5859	-16.17
#3	.1647	-.0354	-.8489	-10.61
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2654.5**	**29445.**	**4893.6**
Stddev	9.6	272.	34.2
%RSD	.36103	.92439	.69963
#1	2644.6	29209.	4854.5
#2	2655.0	29383.	4908.1
#3	2663.8	29743.	4918.3

Sample Name: 460-40046-f-1-a Acquired: 5/17/2012 16:11:48 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**12.03**	**4.252**	**-.0535**	**30.59**	**.0528**	**48580.**
Stddev	21.90	1.439	.6732	.11	.0215	190.
%RSD	182.1	33.84	1257.	.3604	40.76	.3910
#1	-8.403	4.311	.1599	30.60	.0661	48770.
#2	35.15	5.661	.4870	30.69	.0643	48580.
#3	9.326	2.784	-.8076	30.48	.0280	48390.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0421**	**-.0574**	**.7745**	**-.0720**	**20.21**	**2537.**
Stddev	.0524	.1226	.0893	3.547	9.89	48.
%RSD	124.5	213.5	11.53	4929.	48.92	1.876
#1	-.0184	.0840	.7483	3.516	19.08	2582.
#2	.0744	-.1329	.8740	-3.577	10.94	2487.
#3	.0702	-.1234	.7013	-.1543	30.62	2543.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**16930.**	**1.019**	**109600.**	**1.986**	**1.534**	**2.544**
Stddev	25.	.053	477.	.320	1.805	5.972
%RSD	.1475	5.252	.4354	16.12	117.7	234.8
#1	16940.	1.080	110100.	2.191	1.689	-4.164
#2	16900.	.9832	109600.	2.150	-.3431	4.513
#3	16940.	.9930	109200.	1.617	3.258	7.282
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-40046-f-1-a Acquired: 5/17/2012 16:11:48 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.852**	**-3.447**	**.6898**	**7.101**	**29.83**	**-.5152**
Stddev	1.177	2.084	.3962	.218	.67	.2087
%RSD	41.28	60.45	57.43	3.070	2.253	40.51
#1	3.348	-1.949	.8128	6.954	30.20	-.7520
#2	1.508	-5.827	1.010	6.998	29.06	-.3581
#3	3.700	-2.566	.2468	7.352	30.24	-.4355
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.8762**	**150.3**	**4.695**	**7923.**
Stddev	.5621	.7	2.458	7.
%RSD	64.15	.4947	52.36	.0824
#1	-.2666	150.8	7.526	7930.
#2	-.9880	150.6	3.471	7919.
#3	-1.374	149.4	3.090	7919.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2536.8**	**27856.**	**4831.7**
Stddev	8.2	74.	17.8
%RSD	.32490	.26556	.36857
#1	2541.9	27874.	4811.2
#2	2541.3	27920.	4841.4
#3	2527.3	27775.	4842.7

Sample Name: CCV Acquired: 5/17/2012 16:15:32 Type: QC
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**125700.**	**2539.**	**1248.**	**10220.**	**966.0**	**123100.**
Stddev	37.	9.	9.	41.	2.3	204.
%RSD	.0297	.3494	.7268	.4033	.2368	.1655
#1	125700.	2550.	1258.	10270.	966.4	123200.
#2	125700.	2535.	1243.	10190.	963.6	122800.
#3	125700.	2534.	1242.	10210.	968.1	123200.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1287.**	**2523.**	**5083.**	**12350.**	**101000.**	**49360.**
Stddev	5.	9.	36.	37.	742.	118.
%RSD	.3957	.3444	.7054	.2966	.7351	.2390
#1	1293.	2533.	5124.	12340.	101800.	49340.
#2	1283.	2517.	5066.	12310.	100600.	49250.
#3	1285.	2520.	5057.	12390.	100500.	49480.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**125300.**	**5094.**	**123500.**	**2547.**	**7651.**	**1031.**
Stddev	1130.	31.	45.	12.	20.	3.
%RSD	.9014	.6039	.0367	.4781	.2597	.2671
#1	126600.	5130.	123500.	2561.	7673.	1028.
#2	124700.	5078.	123400.	2537.	7634.	1032.
#3	124600.	5075.	123500.	2544.	7646.	1033.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 5/17/2012 16:15:32 Type: QC
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2489.**	**2589.**	**2510.**	**2525.**	**993.9**	**2572.**
Stddev	7.	15.	17.	10.	3.1	14.
%RSD	.3004	.5951	.6697	.4092	.3124	.5420
#1	2498.	2606.	2529.	2536.	996.8	2588.
#2	2485.	2585.	2501.	2517.	990.7	2564.
#3	2485.	2576.	2499.	2521.	994.3	2565.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1012.**	**4978.**	**10110.**	**9928.**
Stddev	3.	6.	2.	78.
%RSD	.2495	.1267	.0212	.7866
#1	1015.	4981.	10110.	9989.
#2	1011.	4971.	10110.	9840.
#3	1011.	4983.	10110.	9955.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2422.4**	**26465.**	**4743.8**
Stddev	8.8	146.	13.2
%RSD	.36315	.55096	.27858
#1	2413.6	26297.	4758.4
#2	2431.2	26540.	4732.7
#3	2422.4	26559.	4740.3

Sample Name: CCB Acquired: 5/17/2012 16:18:50 Type: QC
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**34.67**	**.1218**	**-.4362**	**.5088**	**.0638**	**13.99**
Stddev	8.66	1.776	.5412	.2303	.2564	8.40
%RSD	24.97	1458.	124.1	45.26	402.2	60.01
#1	41.80	-1.651	-.9002	.7675	.3582	21.65
#2	25.04	.1152	.1583	.4325	-.1108	15.32
#3	37.17	1.901	-.5666	.3263	-.0561	5.011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0544**	**.2648**	**.4880**	**2.992**	**15.47**	**128.4**
Stddev	.0666	.3581	.2694	1.662	6.05	67.1
%RSD	122.5	135.3	55.22	55.55	39.09	52.27
#1	-.0015	.3153	.6940	4.749	8.985	124.9
#2	-.0324	-.1159	.5869	1.444	16.48	197.2
#3	-.1292	.5949	.1831	2.784	20.96	63.08
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**7.500**	**.3874**	**79.16**	**.6142**	**2.214**	**2.528**
Stddev	2.424	.2318	45.54	.3736	1.330	2.069
%RSD	32.32	59.83	57.54	60.82	60.07	81.87
#1	10.02	.6547	131.4	.9792	1.139	.8999
#2	7.290	.2645	47.68	.2326	1.802	1.827
#3	5.187	.2429	58.40	.6309	3.702	4.857
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 5/17/2012 16:18:50 Type: QC
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.196**	**-.5867**	**-.0167**	**.0155**	**1.886**	**7.092**
Stddev	2.672	1.673	.1733	.0347	1.067	1.168
%RSD	223.5	285.2	1037.	224.0	56.56	16.47
#1	1.910	-1.347	-.0888	-.0219	1.328	5.743
#2	-1.761	-1.744	-.1423	.0218	3.115	7.784
#3	3.438	1.332	.1810	.0465	1.214	7.748
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.7076**	**.4500**	**.9038**	**-26.15**
Stddev	.9221	.3054	.3385	18.27
%RSD	130.3	67.87	37.46	69.85
#1	-1.499	.7804	.9197	-41.85
#2	.3049	.1780	.5576	-6.098
#3	-.9284	.3916	1.234	-30.52
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2589.5**	**28757.**	**4757.9**
Stddev	4.5	89.	25.2
%RSD	.17266	.30883	.53041
#1	2584.6	28663.	4761.2
#2	2590.4	28839.	4731.2
#3	2593.4	28771.	4781.4

Sample Name: 460-40046-a-3-a Acquired: 5/17/2012 16:22:36 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-10.52**	**3.721**	**.0910**	**31.13**	**-.2656**	**50540.**
Stddev	4.72	1.916	.6760	.09	.0809	109.
%RSD	44.89	51.49	742.9	.3031	30.44	.2152
#1	-14.91	2.380	-.0021	31.22	-.3508	50570.
#2	-5.523	5.916	-.5337	31.13	-.1898	50630.
#3	-11.13	2.869	.8087	31.03	-.2563	50420.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0168**	**.2178**	**.6822**	**.1578**	**-4.421**	**2665.**
Stddev	.0307	.3354	.2618	2.257	6.975	56.
%RSD	182.2	154.0	38.38	1430.	157.8	2.083
#1	-.0326	-.1654	.5109	2.689	-7.560	2640.
#2	-.0365	.4577	.9836	-.5698	3.572	2626.
#3	.0185	.3612	.5520	-1.646	-9.275	2729.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**17660.**	**.8701**	**114400.**	**1.790**	**.7219**	**-1.355**
Stddev	31.	.0539	339.	.551	.5774	.698
%RSD	.1744	6.195	.2962	30.77	79.99	51.49
#1	17660.	.8144	114500.	1.570	.4649	-.7080
#2	17630.	.9220	114600.	2.417	1.383	-2.094
#3	17690.	.8740	114000.	1.383	.3175	-1.263
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-40046-a-3-a Acquired: 5/17/2012 16:22:36 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.613**	**-1.005**	**.6707**	**5.860**	**29.67**	**.2570**
Stddev	1.086	.174	.1717	.117	.25	.1701
%RSD	67.31	17.32	25.59	1.998	.8577	66.19
#1	.3899	-.9675	.7239	5.936	29.96	.1212
#2	1.986	-.8534	.4787	5.725	29.47	.4478
#3	2.463	-1.195	.8094	5.918	29.58	.2019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.3378**	**156.1**	**3.035**	**8302.**
Stddev	.6346	.8	1.445	18.
%RSD	187.8	.4902	47.62	.2170
#1	-1.064	155.9	3.008	8285.
#2	-.0573	156.9	1.603	8321.
#3	.1081	155.4	4.493	8300.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2527.1**	**27698.**	**4821.4**
Stddev	10.9	107.	16.9
%RSD	.43314	.38796	.35085
#1	2515.5	27583.	4802.3
#2	2528.5	27796.	4827.3
#3	2537.2	27715.	4834.6

Sample Name: 460-40063-d-1-b Acquired: 5/17/2012 16:26:16 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**30080.**	**18.68**	**11.45**	**743.7**	**1.084**	**40340.**
Stddev	136.	.85	.74	2.1	.195	186.
%RSD	.4520	4.561	6.486	.2790	17.95	.4615
#1	29980.	19.16	11.33	746.0	1.032	40270.
#2	30230.	19.18	10.77	743.3	1.299	40550.
#3	30010.	17.69	12.24	741.9	.9203	40200.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**7.598**	**34.07**	**67.78**	**482.5**	**155000.**	**7412.**
Stddev	.074	.25	1.22	6.6	803.	64.
%RSD	.9734	.7412	1.797	1.367	.5180	.8568
#1	7.663	34.36	68.10	489.9	155300.	7420.
#2	7.612	33.90	68.80	480.4	155600.	7345.
#3	7.518	33.95	66.43	477.1	154100.	7471.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**11860.**	**2491.**	**86020.**	**78.35**	**402.3**	**-.6547**
Stddev	63.	12.	317.	.26	2.2	1.233
%RSD	.5277	.4853	.3689	.3311	.5506	188.4
#1	11890.	2497.	85880.	78.49	402.9	.0213
#2	11910.	2498.	86380.	78.05	404.1	.0927
#3	11790.	2477.	85790.	78.50	399.8	-2.078
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-40063-d-1-b Acquired: 5/17/2012 16:26:16 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.267**	**-2.242**	**65.03**	**913.2**	**30.29**	**10.67**
Stddev	6.129	.631	.45	5.0	.29	.50
%RSD	270.4	28.17	.6876	.5437	.9666	4.702
#1	-4.715	-2.916	64.64	917.5	30.61	10.96
#2	6.758	-1.664	65.52	914.3	30.04	10.09
#3	4.757	-2.145	64.95	907.8	30.24	10.95
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**16.15**	**130.5**	**1121.**	F **26990.**
Stddev	.32	.7	10.	60.
%RSD	2.008	.5219	.8672	.2226
#1	15.79	130.3	1123.	26970.
#2	16.42	131.2	1130.	27050.
#3	16.25	129.9	1111.	26930.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit				20000.
Low Limit				-200.0

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2630.0**	**28639.**	**5026.6**
Stddev	3.9	84.	5.1
%RSD	.14861	.29166	.10183
#1	2626.9	28729.	5031.3
#2	2634.4	28564.	5021.2
#3	2628.8	28624.	5027.2

Sample Name: 460-40087-d-1-b Acquired: 5/17/2012 16:29:48 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**27280.**	**24.14**	**6.767**	**190.7**	**.8750**	**41440.**
Stddev	52.	1.64	.363	1.9	.1651	153.
%RSD	.1901	6.803	5.370	1.013	18.87	.3692
#1	27230.	22.30	7.186	192.0	.7678	41300.
#2	27330.	24.70	6.580	191.5	.7920	41430.
#3	27280.	25.44	6.535	188.4	1.065	41600.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.7066**	**21.04**	**231.4**	**624.9**	**91000.**	**3380.**
Stddev	.0474	.38	.2	1.3	174.	35.
%RSD	6.710	1.786	.0930	.2148	.1909	1.049
#1	.7396	21.27	231.6	625.3	91120.	3418.
#2	.6523	21.24	231.2	626.1	91090.	3347.
#3	.7280	20.60	231.4	623.5	90800.	3375.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**8031.**	**1442.**	**108800.**	**77.61**	**162.4**	**1.175**
Stddev	7.	1.	290.	.27	1.5	1.343
%RSD	.0903	.0632	.2670	.3504	.8934	114.2
#1	8025.	1441.	108400.	77.78	161.3	2.191
#2	8039.	1441.	108900.	77.76	164.1	-.3469
#3	8031.	1443.	109000.	77.30	161.8	1.683
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-40087-d-1-b Acquired: 5/17/2012 16:29:48 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.441**	**-1.090**	**59.20**	**451.8**	**26.34**	**33.59**
Stddev	.856	3.285	.29	2.4	.84	.35
%RSD	59.41	301.4	.4982	.5221	3.170	1.044
#1	.5340	.3749	59.49	452.9	25.67	33.83
#2	2.235	-4.852	58.90	453.4	27.28	33.76
#3	1.553	1.208	59.20	449.1	26.07	33.19
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**20.02**	**148.4**	**1129.**	F **31730.**
Stddev	1.29	.7	3.	249.
%RSD	6.424	.4964	.2882	.7853
#1	19.38	147.9	1126.	31880.
#2	21.50	148.2	1128.	31870.
#3	19.18	149.3	1133.	31440.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit				20000.
Low Limit				-200.0

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2612.0**	**28410.**	**4999.1**
Stddev	1.7	83.	32.6
%RSD	.06573	.29215	.65200
#1	2614.0	28489.	5021.2
#2	2610.7	28418.	5014.5
#3	2611.4	28323.	4961.7

Sample Name: 460-40247-j-2-d Acquired: 5/17/2012 16:33:20 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**20.27**	**4.685**	**.3602**	**113.6**	**-.0150**	**67790.**
Stddev	12.08	.865	.5302	.9	.1904	265.
%RSD	59.59	18.47	147.2	.7572	1268.	.3902
#1	26.61	4.553	.9280	114.3	.1405	68030.
#2	6.341	5.608	.2744	113.9	.0418	67830.
#3	27.86	3.893	-.1220	112.6	-.2273	67510.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0618**	**.1068**	**-.2726**	**-2.342**	**3926.**	**4826.**
Stddev	.1111	.1754	.6196	2.587	25.	94.
%RSD	179.9	164.2	227.3	110.4	.6450	1.943
#1	.1882	-.0789	-.2137	-4.619	3948.	4726.
#2	-.0204	.2696	-.9195	.4701	3931.	4841.
#3	.0176	.1299	.3155	-2.877	3898.	4911.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**10820.**	**3235.**	**231100.**	**1.210**	**2.351**	**-.4581**
Stddev	29.	13.	1315.	.571	1.372	5.274
%RSD	.2696	.3919	.5689	47.19	58.35	1151.
#1	10850.	3246.	232500.	1.831	2.341	3.080
#2	10800.	3239.	230600.	.7078	.9842	-6.520
#3	10800.	3221.	230000.	1.091	3.728	2.066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-40247-j-2-d Acquired: 5/17/2012 16:33:20 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.606**	**-1.677**	**.0823**	**2.145**	**139.4**	**-.0442**
Stddev	2.696	1.181	.4361	.140	.5	.2491
%RSD	167.8	70.42	529.8	6.524	.3685	563.4
#1	.4610	-3.040	.4247	2.301	139.7	.1201
#2	4.686	-.9792	-.4086	2.104	139.6	.0780
#3	-.3271	-1.011	.2308	2.030	138.8	-.3308
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-1.173**	**265.0**	**3.378**	**7641.**
Stddev	.502	.4	1.854	31.
%RSD	42.78	.1386	54.89	.4015
#1	-.9937	265.4	3.299	7663.
#2	-.7858	264.9	5.270	7653.
#3	-1.740	264.7	1.565	7606.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2482.4**	**27041.**	**4779.7**
Stddev	11.9	126.	12.5
%RSD	.47766	.46655	.26142
#1	2473.2	26951.	4765.3
#2	2478.2	26988.	4786.8
#3	2495.8	27185.	4787.0

Sample Name: 460-40096-f-1-b Acquired: 5/17/2012 16:36:58 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1756.**	**4.849**	**.3617**	**72.68**	**.0317**	**17340.**
Stddev	23.	1.163	.6338	.65	.0677	68.
%RSD	1.322	23.98	175.2	.8990	213.6	.3913
#1	1782.	3.669	.5586	73.29	-.0052	17410.
#2	1737.	5.994	.8737	72.76	.1098	17320.
#3	1748.	4.885	-.3471	71.99	-.0095	17280.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0159**	**17.23**	**2.901**	**3.790**	**8018.**	**1366.**
Stddev	.0598	.31	.353	3.105	37.	64.
%RSD	377.2	1.783	12.16	81.92	.4668	4.682
#1	.0696	17.03	2.523	6.658	8053.	1416.
#2	-.0486	17.58	2.956	.4930	8024.	1389.
#3	.0265	17.07	3.222	4.220	7978.	1294.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**6708.**	**4895.**	**6314.**	**6.783**	**4.103**	**2.070**
Stddev	26.	19.	94.	.437	.575	2.194
%RSD	.3814	.3804	1.489	6.440	14.02	106.0
#1	6730.	4917.	6412.	6.658	4.761	-.0979
#2	6714.	4883.	6304.	7.268	3.696	2.018
#3	6680.	4886.	6225.	6.422	3.852	4.290
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-40096-f-1-b Acquired: 5/17/2012 16:36:58 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.086**	**-1.310**	**4.254**	**13.29**	**19.44**	**.4019**
Stddev	1.764	.139	.786	.22	.74	.4355
%RSD	57.16	10.61	18.48	1.675	3.810	108.4
#1	1.333	-1.235	3.963	13.50	19.63	.5662
#2	4.860	-1.224	5.144	13.31	20.07	-.0918
#3	3.063	-1.470	3.655	13.05	18.63	.7314
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.2126**	**89.84**	**44.59**	**4873.**
Stddev	.7122	.48	1.71	69.
%RSD	335.0	.5375	3.826	1.419
#1	.3065	90.02	46.42	4948.
#2	.0802	90.21	43.04	4860.
#3	-1.024	89.29	44.31	4811.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2651.5**	**29239.**	**4965.8**
Stddev	5.0	70.	13.7
%RSD	.18677	.23993	.27630
#1	2645.8	29164.	4954.3
#2	2654.2	29303.	4981.0
#3	2654.5	29249.	4962.1

Sample Name: 460-40195-a-126-a Acquired: 5/17/2012 16:40:36 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**7.917**	**2.112**	**-.3441**	**.5232**	**.0520**	**150.6**
Stddev	17.03	1.497	.7161	.0695	.0789	2.5
%RSD	215.1	70.89	208.1	13.28	151.6	1.655
#1	-1.229	3.127	.4725	.6002	.1306	149.0
#2	-2.583	2.815	-.6404	.5039	-.0271	153.5
#3	27.56	.3925	-.8645	.4654	.0526	149.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0014**	**.3532**	**.0136**	**-1.016**	**-6.740**	**6.186**
Stddev	.1179	.2020	.3911	2.034	4.814	31.70
%RSD	8496.	57.20	2877.	200.1	71.43	512.4
#1	.0110	.5590	-.4204	.0118	-1.228	32.64
#2	.1142	.1551	.1226	.2985	-8.869	-28.94
#3	-.1210	.3455	.3386	-3.359	-10.12	14.86
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**9.105**	**.4087**	**360.5**	**.6702**	**.2152**	**-1.206**
Stddev	.643	.1915	8.7	.2606	.9857	1.082
%RSD	7.065	46.85	2.404	38.89	458.0	89.73
#1	8.690	.6172	370.4	.7830	-.4644	-2.196
#2	9.846	.2406	354.4	.8553	-.2357	-.0510
#3	8.778	.3685	356.7	.3722	1.346	-1.370
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-40195-a-126-a Acquired: 5/17/2012 16:40:36 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.286**	**-1.675**	**.1366**	**.5128**	**3.122**	**-.5456**
Stddev	1.902	2.086	.0818	.1197	.790	.5549
%RSD	44.39	124.5	59.89	23.34	25.32	101.7
#1	2.744	-.9284	.1818	.3835	3.830	-.8388
#2	6.412	-.0650	.1859	.5351	2.269	-.8925
#3	3.701	-4.031	.0422	.6198	3.267	.0944
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.3833**	**.4693**	**.7328**	**584.1**
Stddev	1.031	.1407	.6566	18.6
%RSD	268.9	29.97	89.60	3.191
#1	.0826	.6146	-.0029	573.0
#2	.3322	.4595	.9422	605.6
#3	-1.565	.3338	1.259	573.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2655.4**	**29488.**	**4926.0**
Stddev	4.9	77.	21.9
%RSD	.18580	.25992	.44486
#1	2649.7	29514.	4950.9
#2	2658.7	29402.	4909.7
#3	2657.8	29548.	4917.5

Sample Name: 460-40195-a-127-a Acquired: 5/17/2012 16:44:19 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**17.76**	**-.4253**	**.1360**	**.4583**	**.1677**	**136.1**
Stddev	23.47	2.579	.1544	.0301	.1075	11.9
%RSD	132.2	606.5	113.6	6.579	64.12	8.735
#1	39.15	2.073	.3019	.4281	.1678	122.9
#2	-7.348	-.2703	.1095	.4884	.0601	145.9
#3	21.48	-3.079	-.0035	.4584	.2752	139.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0240**	**.2655**	**.5968**	**1.532**	**2.496**	**-6.436**
Stddev	.0578	.3418	.3669	2.722	5.139	26.56
%RSD	241.0	128.8	61.47	177.7	205.8	412.8
#1	.0420	-.0970	.9678	4.651	.4330	-35.20
#2	-.0480	.5820	.5886	-.3659	8.346	17.16
#3	-.0659	.3115	.2342	.3109	-1.290	-1.267
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**9.603**	**.0400**	**351.8**	**.5572**	**.2464**	**.7961**
Stddev	3.015	.0821	2.4	.1924	1.544	1.648
%RSD	31.39	205.4	.6841	34.53	626.7	207.0
#1	6.192	-.0406	351.3	.7569	-.0504	-1.088
#2	10.71	.0370	349.7	.3730	1.917	1.973
#3	11.91	.1236	354.5	.5417	-1.128	1.503
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-40195-a-127-a Acquired: 5/17/2012 16:44:19 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.416**	**-2.247**	**-.1073**	**.4860**	**2.848**	**-.5264**
Stddev	1.448	3.307	.3393	.0826	.453	.2917
%RSD	102.3	147.2	316.3	17.00	15.91	55.41
#1	3.015	.4212	-.1871	.5470	3.369	-.3919
#2	1.040	-5.947	.2648	.3920	2.630	-.8611
#3	.1928	-1.214	-.3995	.5191	2.545	-.3263
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.9242**	**.3106**	**-.2955**	**531.7**
Stddev	1.466	.1965	.6223	8.8
%RSD	158.6	63.24	210.6	1.651
#1	-1.512	.1976	.3395	540.7
#2	-2.005	.1968	-.9043	531.5
#3	.7443	.5375	-.3217	523.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2644.2**	**29350.**	**4891.8**
Stddev	10.6	68.	13.1
%RSD	.39968	.23113	.26791
#1	2638.5	29272.	4877.3
#2	2656.4	29383.	4902.9
#3	2637.7	29395.	4895.3

Sample Name: 460-40195-a-128-a Acquired: 5/17/2012 16:48:01 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-2.858**	**3.619**	**.3390**	**3.456**	**-.0651**	**101.4**
Stddev	13.71	3.101	.4747	.047	.0670	2.4
%RSD	479.9	85.70	140.0	1.351	102.9	2.345
#1	-18.00	.9176	-.0618	3.406	.0122	100.7
#2	.7198	7.005	.8633	3.498	-.1042	104.1
#3	8.712	2.933	.2156	3.464	-.1033	99.55
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0298**	**.4484**	**.3209**	**.5016**	**-11.88**	**-21.40**
Stddev	.0741	.1637	.1792	4.267	10.11	22.27
%RSD	248.4	36.51	55.84	850.7	85.10	104.1
#1	-.0522	.4653	.1234	4.670	-21.12	-45.87
#2	-.0901	.2769	.4730	-3.858	-13.42	-16.04
#3	.0529	.6030	.3662	.6927	-1.085	-2.303
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5.693**	**.1943**	**297.0**	**.4212**	**1.076**	**1.283**
Stddev	.320	.0908	9.4	.0785	.977	1.335
%RSD	5.621	46.73	3.156	18.64	90.82	104.0
#1	5.330	.1445	293.2	.3552	1.334	2.469
#2	5.936	.1393	290.1	.5080	-.0045	-.1626
#3	5.813	.2991	307.6	.4005	1.898	1.543
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-40195-a-128-a Acquired: 5/17/2012 16:48:01 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.601**	**-.9718**	**.4924**	**6.376**	**3.505**	**-.6095**
Stddev	1.074	.4443	.0724	.037	.648	.1881
%RSD	67.12	45.72	14.71	.5851	18.50	30.86
#1	1.490	-.4785	.5740	6.418	4.221	-.6484
#2	.5857	-1.096	.4675	6.346	3.334	-.7751
#3	2.726	-1.340	.4356	6.363	2.959	-.4050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.4620**	**.4806**	**-2.280**	**294.7**
Stddev	.3008	.0476	.720	3.2
%RSD	65.11	9.906	31.58	1.089
#1	-.4735	.4257	-1.469	296.1
#2	-.1555	.5061	-2.844	297.1
#3	-.7568	.5101	-2.526	291.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2640.1**	**29364.**	**4879.4**
Stddev	3.1	100.	30.0
%RSD	.11877	.34223	.61538
#1	2642.1	29282.	4845.0
#2	2636.5	29476.	4900.3
#3	2641.8	29334.	4892.8

Sample Name: 460-40216-d-14-b Acquired: 5/17/2012 16:51:44 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-16.69**	**2.520**	**-.6335**	**.1563**	**-.0990**	**-3.113**
Stddev	24.72	1.949	.8662	.1333	.0461	9.711
%RSD	148.1	77.35	136.7	85.29	46.56	312.0
#1	7.380	4.239	-1.562	.1973	-.0975	-8.914
#2	-15.44	2.919	-.4902	.0073	-.0537	-8.523
#3	-42.01	.4023	.1521	.2643	-.1458	8.098
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0584**	**.2641**	**.0501**	**3.447**	**-2.352**	**-.7139**
Stddev	.1119	.1479	.4232	3.798	10.53	48.39
%RSD	191.5	56.00	844.7	110.2	447.9	6779.
#1	.1615	.1260	-.4380	3.106	-13.82	33.68
#2	.0743	.2462	.3149	7.405	-.1333	-56.05
#3	-.0605	.4201	.2734	-.1688	6.895	20.23
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.3394**	**.0372**	**39.91**	**.2441**	**1.058**	**1.580**
Stddev	3.835	.0182	19.48	.3040	.290	.545
%RSD	1130.	49.05	48.82	124.5	27.42	34.51
#1	-3.484	.0478	27.05	-.0626	1.122	1.924
#2	3.933	.0476	62.33	.2496	.7418	1.864
#3	-1.467	.0161	30.36	.5454	1.312	.9512
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-40216-d-14-b Acquired: 5/17/2012 16:51:44 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.855**	**-1.185**	**.2654**	**.2316**	**2.148**	**-.6771**
Stddev	3.393	.957	.6513	.1960	.626	.1089
%RSD	118.8	80.76	245.4	84.63	29.14	16.09
#1	4.918	-1.996	.7214	.0995	1.427	-.7349
#2	4.708	-.1292	.5553	.1384	2.467	-.5514
#3	-1.061	-1.431	-.4805	.4567	2.551	-.7449
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.1009**	**.1328**	**-.8918**	**1.149**
Stddev	.5698	.1059	.2796	8.236
%RSD	564.5	79.72	31.35	716.9
#1	.2606	.0382	-.7070	-8.169
#2	-.7578	.1131	-.7549	4.163
#3	.1943	.2471	-1.213	7.452
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2664.4**	**29538.**	**4918.6**
Stddev	5.1	92.	22.0
%RSD	.19074	.30979	.44796
#1	2665.5	29434.	4898.1
#2	2668.9	29604.	4941.9
#3	2658.9	29578.	4915.8

Sample Name: 460-40265-a-1-a Acquired: 5/17/2012 16:55:26 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**309.3**	**1.610**	**-.1073**	**53.14**	**-.0365**	**14870.**
Stddev	13.4	1.310	.5878	.24	.0479	79.
%RSD	4.316	81.33	547.7	.4458	131.4	.5344
#1	299.9	.7223	-.7221	53.29	.0131	14900.
#2	324.5	.9943	-.0490	53.26	-.0825	14930.
#3	303.4	3.115	.4491	52.86	-.0400	14780.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0491**	**1.518**	**1154.**	**4.341**	**133.9**	**10720.**
Stddev	.0810	.101	7.	2.484	4.5	64.
%RSD	164.8	6.643	.5657	57.22	3.373	.5982
#1	-.0182	1.469	1160.	6.202	138.2	10790.
#2	.0118	1.634	1155.	1.521	129.2	10700.
#3	-.1410	1.451	1147.	5.302	134.4	10660.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1658.**	**43.42**	**10300.**	**300.8**	**1.573**	**8.399**
Stddev	21.	.28	64.	1.5	.577	1.489
%RSD	1.246	.6367	.6194	.4946	36.69	17.73
#1	1680.	43.53	10360.	301.6	1.067	9.999
#2	1653.	43.62	10320.	301.8	1.450	7.054
#3	1639.	43.10	10230.	299.1	2.201	8.144
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-40265-a-1-a Acquired: 5/17/2012 16:55:26 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.056**	**-.4700**	**.5720**	**494.9**	**136.7**	**-.1121**
Stddev	.521	1.529	.1358	3.5	1.3	.1929
%RSD	25.35	325.2	23.74	.7038	.9539	172.2
#1	2.346	.5917	.5103	497.7	137.4	-.1974
#2	2.368	-2.222	.4780	496.1	137.4	.1088
#3	1.455	.2203	.7277	491.0	135.2	-.2476
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.2951**	**91.66**	**5.446**	**2425.**
Stddev	1.046	.28	.340	30.
%RSD	354.4	.3079	6.241	1.219
#1	-.5531	91.89	5.214	2453.
#2	.8558	91.74	5.836	2394.
#3	-1.188	91.34	5.287	2427.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2618.4**	**29026.**	**4903.4**
Stddev	4.1	65.	21.6
%RSD	.15559	.22376	.44051
#1	2623.1	28972.	4886.0
#2	2616.5	29009.	4896.5
#3	2615.7	29098.	4927.5

Sample Name: CCV Acquired: 5/17/2012 16:59:05 Type: QC
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**126000.**	**2529.**	**1249.**	**10230.**	**969.0**	**123400.**
Stddev	905.	11.	8.	52.	7.0	825.
%RSD	.7179	.4390	.6539	.5117	.7268	.6684
#1	126200.	2532.	1258.	10260.	970.1	123400.
#2	126900.	2539.	1248.	10260.	975.3	124200.
#3	125100.	2517.	1242.	10170.	961.4	122500.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1287.**	**2526.**	**5091.**	**12360.**	**101100.**	**49410.**
Stddev	6.	14.	32.	51.	691.	218.
%RSD	.5011	.5359	.6346	.4107	.6830	.4401
#1	1292.	2536.	5121.	12370.	101800.	49410.
#2	1290.	2533.	5095.	12400.	101200.	49630.
#3	1280.	2511.	5057.	12300.	100400.	49200.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**125300.**	**5106.**	**123700.**	**2554.**	**7659.**	**1029.**
Stddev	798.	37.	873.	13.	36.	7.
%RSD	.6364	.7172	.7059	.5029	.4756	.7288
#1	126100.	5145.	123800.	2564.	7684.	1032.
#2	125500.	5100.	124400.	2558.	7675.	1034.
#3	124500.	5073.	122700.	2540.	7617.	1020.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 5/17/2012 16:59:05 Type: QC
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2491.**	**2597.**	**2517.**	**2521.**	**998.2**	**2574.**
Stddev	8.	23.	15.	13.	4.9	17.
%RSD	.3257	.8850	.6068	.4994	.4880	.6453
#1	2499.	2612.	2533.	2528.	1000.	2587.
#2	2493.	2608.	2515.	2527.	1002.	2578.
#3	2483.	2570.	2502.	2506.	992.7	2555.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1012.**	**4995.**	**10100.**	**9944.**
Stddev	4.	34.	68.	52.
%RSD	.3511	.6860	.6711	.5275
#1	1016.	4997.	10110.	9936.
#2	1012.	5029.	10160.	9999.
#3	1009.	4960.	10030.	9895.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2417.1**	**26449.**	**4723.3**
Stddev	10.1	185.	19.5
%RSD	.41604	.70128	.41256
#1	2407.8	26315.	4722.9
#2	2415.7	26371.	4704.0
#3	2427.7	26661.	4743.0

Sample Name: CCB Acquired: 5/17/2012 17:02:26 Type: QC
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**14.00**	**3.053**	**-.4441**	**.4888**	**-.1171**	**10.21**
Stddev	15.30	.753	.1954	.3348	.0848	21.03
%RSD	109.3	24.68	44.00	68.50	72.44	205.9
#1	30.31	2.480	-.3381	.8617	-.0855	33.80
#2	11.72	2.771	-.6696	.3910	-.0526	-6.576
#3	-.0381	3.906	-.3245	.2138	-.2131	3.421
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0005**	**.3589**	**.3442**	**2.274**	**-6.416**	**104.7**
Stddev	.1281	.0820	.2085	5.563	3.930	36.1
%RSD	26880.	22.83	60.57	244.7	61.25	34.46
#1	-.0161	.2722	.2281	7.870	-2.152	142.9
#2	-.1186	.3694	.5849	2.206	-9.893	99.85
#3	.1361	.4351	.2197	-3.255	-7.202	71.27
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**9.974**	**.3076**	**71.03**	**.5198**	**1.118**	**.8623**
Stddev	9.536	.3502	42.69	.6567	.829	.8518
%RSD	95.61	113.9	60.11	126.3	74.14	98.79
#1	19.47	.7120	119.5	.2371	2.035	1.824
#2	10.05	.1054	54.42	1.270	.8942	.5585
#3	.3986	.1054	39.14	.0517	.4235	.2039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 5/17/2012 17:02:26 Type: QC
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.100**	**.2385**	**.1690**	**-.2082**	**3.428**	**6.735**
Stddev	1.691	.1041	.2935	.0927	.828	1.160
%RSD	153.7	43.64	173.6	44.50	24.15	17.22
#1	2.706	.1860	.2238	-.1524	3.457	5.406
#2	1.260	.3583	.4312	-.1571	4.242	7.258
#3	-.6653	.1711	-.1480	-.3152	2.587	7.542
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.1965**	**.4155**	**.7741**	**-17.86**
Stddev	.2845	.4884	1.058	16.02
%RSD	144.8	117.5	136.7	89.68
#1	-.3951	.9608	1.988	-35.76
#2	-.3239	.2675	.0430	-12.96
#3	.1294	.0183	.2914	-4.867
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2605.3**	**28906.**	**4798.8**
Stddev	10.0	62.	23.2
%RSD	.38466	.21467	.48332
#1	2593.7	28933.	4775.3
#2	2611.4	28950.	4799.4
#3	2610.7	28835.	4821.6

Sample Name: 460-40265-a-2-a Acquired: 5/17/2012 17:06:11 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**452.3**	**2.527**	**.1229**	**20.16**	**-.1060**	**10170.**
Stddev	8.5	.371	.5080	.11	.0568	36.
%RSD	1.874	14.67	413.5	.5688	53.55	.3492
#1	459.0	2.864	-.0942	20.06	-.1673	10150.
#2	442.8	2.587	-.2405	20.28	-.0956	10210.
#3	455.1	2.130	.7033	20.12	-.0552	10150.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0498**	**.9910**	**76.92**	**29.23**	**184.4**	**3514.**
Stddev	.0201	.1486	.21	4.11	12.0	47.
%RSD	40.28	15.00	.2683	14.06	6.508	1.346
#1	.0393	1.074	76.81	31.97	193.3	3525.
#2	.0372	.8194	76.80	24.50	189.2	3554.
#3	.0730	1.079	77.16	31.20	170.8	3462.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1631.**	**9.136**	**9368.**	**149.9**	**.2279**	**.8248**
Stddev	4.	.115	54.	.4	.3402	.8495
%RSD	.2155	1.258	.5734	.2364	149.3	103.0
#1	1635.	9.227	9310.	149.7	-.0925	1.558
#2	1630.	9.175	9416.	150.3	.1913	1.023
#3	1628.	9.007	9379.	149.7	.5849	-.1062
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-40265-a-2-a Acquired: 5/17/2012 17:06:11 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.348**	**-1.439**	**1.312**	**94.22**	**41.74**	**1.096**
Stddev	2.170	1.356	.456	.22	1.49	.710
%RSD	160.9	94.28	34.77	.2372	3.577	64.74
#1	3.660	-2.332	1.667	94.35	41.42	.3112
#2	1.028	-2.106	1.471	94.36	43.37	1.286
#3	-.6433	.1221	.7972	93.97	40.44	1.692
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.1070**	**59.71**	**12.26**	**2601.**
Stddev	.6419	.17	3.79	30.
%RSD	600.0	.2791	30.89	1.152
#1	-.5362	59.59	14.31	2600.
#2	-.4157	59.90	7.890	2631.
#3	.6310	59.64	14.58	2571.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2631.5**	**29026.**	**4933.7**
Stddev	9.8	61.	10.5
%RSD	.37197	.21140	.21297
#1	2636.5	28967.	4945.8
#2	2637.8	29021.	4928.3
#3	2620.2	29089.	4927.1

Sample Name: 460-40276-a-10-a@4 Acquired: 5/17/2012 17:09:50 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**62070.**	**25.00**	**.7286**	**262.9**	**3.021**	**5060.**
Stddev	271.	2.23	.5208	2.1	.236	43.
%RSD	.4360	8.929	71.47	.7966	7.799	.8594
#1	62320.	25.88	.9972	264.5	2.816	5108.
#2	62110.	22.46	1.060	263.6	2.968	5022.
#3	61790.	26.65	.1284	260.5	3.278	5050.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0432**	**39.93**	**107.0**	**76.69**	**129300.**	**5257.**
Stddev	.0293	.48	1.2	4.90	788.	37.
%RSD	67.92	1.196	1.151	6.386	.6097	.6998
#1	.0348	40.36	107.8	80.69	130100.	5297.
#2	.0758	40.00	107.6	78.15	129300.	5224.
#3	.0190	39.42	105.6	71.22	128500.	5250.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**22180.**	**872.9**	**274.9**	**90.15**	**137.9**	**-1.490**
Stddev	136.	4.2	13.4	.84	.5	1.233
%RSD	.6146	.4822	4.882	.9270	.3930	82.76
#1	22310.	877.0	271.7	90.97	138.5	-.3486
#2	22190.	873.1	289.7	90.17	137.6	-2.797
#3	22040.	868.6	263.4	89.30	137.7	-1.323
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-40276-a-10-a@4 Acquired: 5/17/2012 17:09:50 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.858**	**1.230**	**141.5**	**231.7**	**26.81**	**1.875**
Stddev	4.046	.766	.9	1.6	.63	.134
%RSD	83.29	62.29	.6031	.6705	2.348	7.154
#1	2.958	2.080	142.2	233.1	26.08	1.980
#2	9.504	.5918	141.8	232.0	27.15	1.923
#3	2.112	1.019	140.5	230.1	27.20	1.724
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**6.184**	**46.66**	**1279.**	**963.5**
Stddev	.478	.05	4.	28.1
%RSD	7.728	.1038	.2794	2.922
#1	6.717	46.71	1282.	931.6
#2	6.039	46.65	1279.	974.1
#3	5.795	46.62	1275.	984.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2631.5**	**29001.**	**4950.7**
Stddev	3.9	82.	24.5
%RSD	.14672	.28297	.49486
#1	2628.9	28907.	4926.3
#2	2635.9	29052.	4950.4
#3	2629.6	29046.	4975.3

Sample Name: 460-40276-a-11-a@4 Acquired: 5/17/2012 17:13:24 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**117900.**	**42.05**	**15.42**	**1779.**	**192.5**	**77280.**
Stddev	238.	1.78	1.06	14.	.4	192.
%RSD	.2018	4.245	6.892	.7878	.2090	.2478
#1	117600.	40.01	16.02	1787.	192.2	77070.
#2	118000.	42.88	16.06	1787.	192.4	77320.
#3	118100.	43.27	14.20	1763.	192.9	77440.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.501**	**650.1**	**3312.**	**10350.**	F **540500.**	**3635.**
Stddev	.348	5.2	18.	35.	2915.	59.
%RSD	9.939	.8046	.5411	.3364	.5393	1.628
#1	3.764	652.0	3321.	10320.	541500.	3690.
#2	3.632	654.1	3324.	10340.	542800.	3644.
#3	3.107	644.2	3292.	10380.	537200.	3572.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					200000.	
Low Limit					-150.0	

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**53570.**	**6790.**	**6753.**	**4768.**	F **24380.**	**15.66**
Stddev	280.	44.	33.	39.	154.	.90
%RSD	.5231	.6446	.4860	.8207	.6333	5.772
#1	53730.	6795.	6730.	4788.	24470.	15.29
#2	53720.	6831.	6739.	4792.	24470.	16.69
#3	53240.	6744.	6791.	4722.	24210.	15.00
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					15000.	
Low Limit					-10.00	

Sample Name: 460-40276-a-11-a@4 Acquired: 5/17/2012 17:13:24 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**18.32**	**.1344**	**271.9**	F **52420.**	**1866.**	**287.8**
Stddev	6.35	.2537	2.2	360.	8.	3.1
%RSD	34.66	188.8	.7926	.6863	.4406	1.085
#1	21.26	.3252	271.3	52620.	1869.	289.6
#2	11.04	-.1536	274.2	52630.	1873.	289.5
#3	22.67	.2316	270.0	52000.	1857.	284.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				5000.		
Low Limit				-50.00		

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	F **2419.**	**375.4**	**6176.**	**1652.**
Stddev	21.	.6	14.	6.
%RSD	.8721	.1633	.2277	.3517
#1	2429.	374.7	6163.	1652.
#2	2434.	375.6	6191.	1646.
#3	2395.	375.8	6173.	1657.
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	2000.			
Low Limit	-50.00			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2595.6**	**28565.**	**4999.5**
Stddev	4.3	81.	8.8
%RSD	.16658	.28518	.17566
#1	2594.6	28484.	5007.5
#2	2591.9	28564.	4990.1
#3	2600.3	28647.	5001.0

Sample Name: 460-40276-a-12-a@4 Acquired: 5/17/2012 17:16:57 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**64440.**	**20.85**	**.8916**	**259.6**	**2.484**	**4908.**
Stddev	354.	1.36	1.084	1.8	.112	21.
%RSD	.5498	6.528	121.6	.7109	4.509	.4188
#1	64320.	22.10	-.1911	260.9	2.453	4890.
#2	64840.	21.05	.8891	260.5	2.607	4903.
#3	64170.	19.40	1.977	257.5	2.390	4930.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.2646**	**35.79**	**96.73**	**69.02**	**116700.**	**4975.**
Stddev	.1112	.26	.73	.70	413.	38.
%RSD	42.04	.7344	.7581	1.020	.3542	.7661
#1	.1716	36.08	96.68	69.81	117000.	4938.
#2	.2345	35.74	97.48	68.46	116900.	5014.
#3	.3878	35.56	96.02	68.80	116200.	4974.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**20660.**	**807.5**	**257.3**	**79.15**	**113.2**	**-.9162**
Stddev	55.	2.6	17.9	1.07	.2	4.245
%RSD	.2640	.3224	6.941	1.356	.1655	463.3
#1	20660.	809.1	277.9	80.01	113.3	-4.577
#2	20720.	808.9	247.7	79.48	113.3	3.737
#3	20610.	804.5	246.2	77.95	113.0	-1.908
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-40276-a-12-a@4 Acquired: 5/17/2012 17:16:57 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.996**	**.5638**	**128.9**	**213.3**	**28.39**	**1.716**
Stddev	1.874	1.137	.6	2.9	1.98	.597
%RSD	46.91	201.7	.4607	1.380	6.983	34.79
#1	5.472	1.252	129.5	216.0	30.64	1.053
#2	1.887	1.188	128.9	213.8	27.59	1.885
#3	4.630	-.7486	128.4	210.2	26.93	2.210
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**7.204**	**44.33**	**1320.**	**1088.**
Stddev	.551	.34	3.	14.
%RSD	7.644	.7621	.1975	1.320
#1	6.588	44.15	1318.	1095.
#2	7.650	44.72	1323.	1097.
#3	7.373	44.11	1320.	1071.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2649.9**	**29055.**	**4963.7**
Stddev	12.7	114.	25.3
%RSD	.48069	.39081	.50929
#1	2639.5	29012.	4969.1
#2	2646.0	28969.	4936.2
#3	2664.1	29184.	4985.8

Sample Name: 460-40276-a-13-a@4 Acquired: 5/17/2012 17:20:30 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**108100.**	**51.72**	**5.120**	**2314.**	**16.88**	**59380.**
Stddev	1909.	3.26	.700	12.	.13	1130.
%RSD	1.767	6.297	13.67	.5384	.7437	1.903
#1	110300.	48.58	4.378	2329.	17.02	60660.
#2	107200.	55.08	5.212	2305.	16.83	58950.
#3	106800.	51.51	5.769	2310.	16.79	58520.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.5972**	**93.71**	**856.7**	**1203.**	F **464500.**	**10860.**
Stddev	.5338	.36	13.3	22.	6908.	237.
%RSD	89.39	.3855	1.547	1.794	1.487	2.179
#1	-.0170	94.03	871.9	1228.	472400.	11130.
#2	.8591	93.32	847.5	1192.	459600.	10750.
#3	.9495	93.78	850.8	1189.	461500.	10690.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					200000.	
Low Limit					-150.0	

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**11760.**	**2826.**	**6266.**	**604.5**	**3099.**	**-1.670**
Stddev	157.	46.	125.	2.8	12.	.454
%RSD	1.333	1.616	2.000	.4570	.3912	27.18
#1	11940.	2878.	6410.	606.6	3110.	-1.351
#2	11650.	2792.	6209.	601.3	3086.	-1.469
#3	11690.	2808.	6180.	605.5	3102.	-2.189
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-40276-a-13-a@4 Acquired: 5/17/2012 17:20:30 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.566**	**3.642**	**219.7**	**2435.**	**239.3**	**106.4**
Stddev	1.091	2.194	3.3	8.	1.4	1.4
%RSD	23.90	60.24	1.522	.3324	.5902	1.286
#1	3.903	1.116	223.3	2443.	240.3	107.9
#2	3.970	4.733	216.6	2427.	239.8	105.3
#3	5.825	5.078	219.3	2434.	237.7	105.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**181.4**	**1392.**	**4561.**	**2292.**
Stddev	.4	26.	79.	53.
%RSD	.2460	1.864	1.729	2.325
#1	181.9	1421.	4651.	2353.
#2	181.3	1382.	4525.	2267.
#3	181.1	1372.	4506.	2256.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2649.9**	**28992.**	**5015.0**
Stddev	8.5	310.	79.3
%RSD	.31951	1.0685	1.5810
#1	2645.3	28677.	4925.0
#2	2659.6	29296.	5045.9
#3	2644.7	29002.	5074.3

Sample Name: 460-40351-a-1-a@4 Acquired: 5/17/2012 17:23:57 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**36000.**	**24.06**	**2.116**	**530.0**	**2.076**	**13990.**
Stddev	160.	4.48	.700	4.8	.194	47.
%RSD	.4432	18.61	33.10	.9137	9.350	.3370
#1	35990.	19.02	2.549	534.3	2.169	14000.
#2	36170.	25.57	1.308	530.9	1.853	14020.
#3	35850.	27.59	2.490	524.7	2.206	13930.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**6.535**	**36.45**	**210.8**	**644.7**	**84570.**	**4606.**
Stddev	.329	.35	1.5	.9	702.	74.
%RSD	5.033	.9736	.6927	.1452	.8306	1.611
#1	6.893	36.85	211.6	645.0	84670.	4624.
#2	6.246	36.35	211.8	645.6	85220.	4670.
#3	6.466	36.16	209.2	643.7	83820.	4525.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**14650.**	**644.8**	**1858.**	**108.8**	**884.4**	**10.38**
Stddev	123.	4.7	8.	1.2	7.0	1.57
%RSD	.8366	.7351	.4203	1.130	.7876	15.13
#1	14670.	645.6	1859.	109.6	887.9	11.58
#2	14770.	649.1	1866.	109.4	888.9	8.604
#3	14520.	639.7	1850.	107.4	876.4	10.97
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-40351-a-1-a@4 Acquired: 5/17/2012 17:23:57 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.3552**	**-.5350**	**156.2**	**2846.**	**56.35**	**15.05**
Stddev	1.960	3.273	1.6	25.	.72	.68
%RSD	551.7	611.8	1.050	.8936	1.280	4.520
#1	-1.882	2.908	157.0	2867.	57.16	15.77
#2	1.180	-3.606	157.3	2853.	56.10	14.95
#3	1.767	-.9067	154.3	2818.	55.78	14.42
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**43.07**	**124.8**	**1220.**	**1205.**
Stddev	.57	.8	3.	38.
%RSD	1.322	.6232	.2857	3.140
#1	42.44	124.9	1219.	1246.
#2	43.56	125.4	1224.	1198.
#3	43.21	123.9	1218.	1172.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2680.9**	**29669.**	**5054.4**
Stddev	16.9	166.	17.8
%RSD	.63183	.55792	.35222
#1	2664.2	29557.	5056.2
#2	2680.4	29591.	5035.7
#3	2698.1	29859.	5071.2

Sample Name: 460-40276-a-11-a@20 Acquired: 5/17/2012 17:27:28 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**23240.**	**9.704**	**2.780**	**357.1**	**37.04**	**15160.**
Stddev	57.	3.871	.457	1.4	.06	32.
%RSD	.2464	39.89	16.45	.3797	.1564	.2134
#1	23270.	10.84	3.275	358.5	37.05	15190.
#2	23270.	12.88	2.691	356.9	37.09	15160.
#3	23170.	5.391	2.373	355.8	36.98	15120.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.5977**	**132.1**	**660.5**	**2029.**	**108400.**	**703.2**
Stddev	.0990	.3	4.8	14.	452.	51.7
%RSD	16.56	.2588	.7212	.6711	.4171	7.356
#1	.5716	132.5	665.9	2023.	108900.	666.6
#2	.5144	131.8	658.5	2045.	108300.	680.6
#3	.7071	132.0	657.0	2020.	108100.	762.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**10820.**	**1376.**	**1342.**	**977.1**	**5036.**	**2.304**
Stddev	73.	5.	10.	4.2	26.	2.221
%RSD	.6744	.3277	.7083	.4257	.5106	96.38
#1	10910.	1381.	1350.	981.3	5064.	4.210
#2	10800.	1374.	1346.	976.8	5029.	-.1347
#3	10770.	1372.	1332.	973.0	5014.	2.837
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-40276-a-11-a@20 Acquired: 5/17/2012 17:27:28 Type: Unk
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5.161**	**-.1748**	**53.77**	F **11070.**	**374.4**	**54.75**
Stddev	5.319	1.882	.66	55.	.7	.88
%RSD	103.1	1077.	1.236	.4933	.1986	1.612
#1	10.15	-2.322	54.41	11130.	375.1	55.77
#2	5.773	.6062	53.82	11050.	373.6	54.26
#3	-.4379	1.191	53.08	11020.	374.4	54.22
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				5000.		
Low Limit				-50.00		

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**486.7**	**74.10**	**1205.**	**287.1**
Stddev	2.3	.15	4.	11.0
%RSD	.4764	.2058	.3193	3.834
#1	489.4	74.10	1210.	294.0
#2	485.5	74.25	1204.	274.4
#3	485.2	73.94	1203.	292.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2606.3**	**28793.**	**4874.4**
Stddev	8.3	44.	21.2
%RSD	.31815	.15229	.43469
#1	2596.8	28747.	4866.7
#2	2612.5	28800.	4858.1
#3	2609.5	28834.	4898.4

Sample Name: CCV Acquired: 5/17/2012 17:30:58 Type: QC
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**126600.**	**2550.**	**1253.**	**10270.**	**969.8**	**123400.**
Stddev	449.	13.	5.	49.	4.9	674.
%RSD	.3550	.4991	.3700	.4753	.5045	.5459
#1	127000.	2556.	1256.	10310.	974.4	124000.
#2	126700.	2558.	1254.	10280.	970.2	123600.
#3	126100.	2535.	1247.	10220.	964.7	122700.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1294.**	**2533.**	**5098.**	**12400.**	**101300.**	**49520.**
Stddev	5.	10.	21.	71.	383.	205.
%RSD	.3870	.4006	.4051	.5698	.3783	.4139
#1	1298.	2543.	5114.	12460.	101700.	49530.
#2	1295.	2535.	5106.	12420.	101400.	49720.
#3	1288.	2522.	5075.	12320.	100900.	49310.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**125900.**	**5109.**	**124300.**	**2558.**	**7684.**	**1033.**
Stddev	389.	17.	803.	10.	29.	4.
%RSD	.3089	.3282	.6458	.4093	.3726	.4288
#1	126200.	5128.	125000.	2566.	7713.	1038.
#2	126000.	5106.	124400.	2561.	7683.	1033.
#3	125500.	5095.	123400.	2546.	7655.	1029.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 5/17/2012 17:30:58 Type: QC
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2502.**	**2602.**	**2517.**	**2538.**	**999.0**	**2587.**
Stddev	6.	9.	11.	11.	1.9	18.
%RSD	.2476	.3585	.4190	.4136	.1880	.6900
#1	2509.	2605.	2527.	2545.	1001.	2603.
#2	2501.	2610.	2518.	2542.	998.6	2591.
#3	2497.	2592.	2506.	2525.	997.4	2567.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1018.**	**5004.**	**10190.**	**9846.**
Stddev	6.	20.	42.	24.
%RSD	.5640	.4077	.4100	.2475
#1	1024.	5020.	10210.	9830.
#2	1016.	5012.	10210.	9874.
#3	1013.	4981.	10140.	9833.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2428.6**	**26540.**	**4718.1**
Stddev	10.7	130.	35.8
%RSD	.44011	.48941	.75976
#1	2417.5	26464.	4676.8
#2	2429.4	26467.	4741.1
#3	2438.9	26690.	4736.4

Sample Name: CCB Acquired: 5/17/2012 17:34:18 Type: QC
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**17.26**	**1.981**	**.4446**	**.5685**	**.0420**	**16.64**
Stddev	20.13	.943	.1480	.2903	.2281	14.79
%RSD	116.6	47.61	33.29	51.06	542.8	88.89
#1	40.50	1.135	.5744	.8823	.2816	26.72
#2	5.935	1.810	.4761	.5136	-.1726	23.55
#3	5.338	2.998	.2834	.3096	.0171	-.3411
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0088**	**.2468**	**.6786**	**3.974**	**3.763**	**-4.343**
Stddev	.0868	.3277	.1048	3.659	5.607	9.140
%RSD	987.3	132.8	15.45	92.08	149.0	210.5
#1	-.0894	.4432	.5762	5.139	9.846	-8.637
#2	.0405	-.1315	.7857	-.1259	2.639	6.154
#3	.0753	.4287	.6738	6.909	-1.197	-10.54
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**13.02**	**.4046**	**76.28**	**.4877**	**.3305**	**2.154**
Stddev	11.61	.2358	28.12	.3538	.1418	2.298
%RSD	89.13	58.29	36.87	72.54	42.90	106.7
#1	25.67	.6427	99.87	.8720	.4589	4.663
#2	10.55	.3999	83.80	.4155	.3542	1.647
#3	2.854	.1711	45.16	.1756	.1783	.1527
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 5/17/2012 17:34:18 Type: QC
Method: SW84605072012(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.407**	**-.1648**	**.3324**	**.1014**	**3.598**	**6.896**
Stddev	1.572	.8614	.1938	.1046	.374	1.143
%RSD	111.7	522.8	58.29	103.1	10.38	16.58
#1	2.458	-.6895	.4779	.2221	4.026	5.613
#2	2.162	.8294	.1125	.0381	3.337	7.807
#3	-.4001	-.6343	.4069	.0441	3.431	7.269
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.0211**	**.6359**	**.4876**	**-11.39**
Stddev	.9195	.4482	.8634	13.72
%RSD	4352.	70.48	177.1	120.4
#1	-.8681	1.140	.0088	-27.16
#2	-.0366	.4833	1.484	-4.829
#3	.9681	.2840	-.0304	-2.183
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**2607.8**	**28872.**	**4791.5**
Stddev	4.6	44.	24.9
%RSD	.17450	.15094	.52009
#1	2608.6	28859.	4795.1
#2	2602.9	28836.	4765.0
#3	2611.9	28920.	4814.5

Thomas Stair
Leeman 3
Method 7471 (concentrations)
5/16/12

Line	Conc.	Units	SD/RSD	1	2	3	4	5	
*** Standard: 1 Rep: 1				Seq: 1		19:28:22 16 May 12			HG
Hg	.000	ppb	-1090						=
*** Standard: 2 Rep: 1				Seq: 2		19:30:18 16 May 12			HG
Hg	.100	ppb	8211						=
*** Standard: 3 Rep: 1				Seq: 3		19:32:13 16 May 12			HG
Hg	1.00	ppb	45353						=
*** Standard: 4 Rep: 1				Seq: 4		19:34:29 16 May 12			HG
Hg	2.00	ppb	88226						=
*** Standard: 5 Rep: 1				Seq: 5		19:36:16 16 May 12			HG
Hg	5.00	ppb	216152						=
*** Standard: 6 Rep: 1				Seq: 6		19:38:16 16 May 12			HG
Hg	10.0	ppb	430564						=

Line	Flag	%Rcv.	Found	True	Units	SD/RSD	
*** Check Standard: 3 Ck3AICV				Seq: 7		19:40:03 16 May 12	HG
Hg		97.9	4.90	5.00	ppb	.000	=

Line	Flag	Found	Range(+/-)	Units	SD/RSD		
*** Check Standard: 1 Ck1ICB/CCB				Seq: 8		19:41:48 16 May 12	HG
Hg		-.048	.200	ppb	.000		=

*** Sample ID: mb 460-112881/10-a			Seq: 9		19:44:03 16 May 12	HG
Hg -.007	ppb	.000	-.007			=

*** Sample ID: lcssrm 460-112881/11-a@10			Seq: 10		19:45:47 16 May 12	HG
Hg 7.39	ppb	.000	7.39			=

*** Sample ID: 460-40254-a-13-e			Seq: 11		19:47:31 16 May 12	HG
Hg -.028	ppb	.000	-.028			=

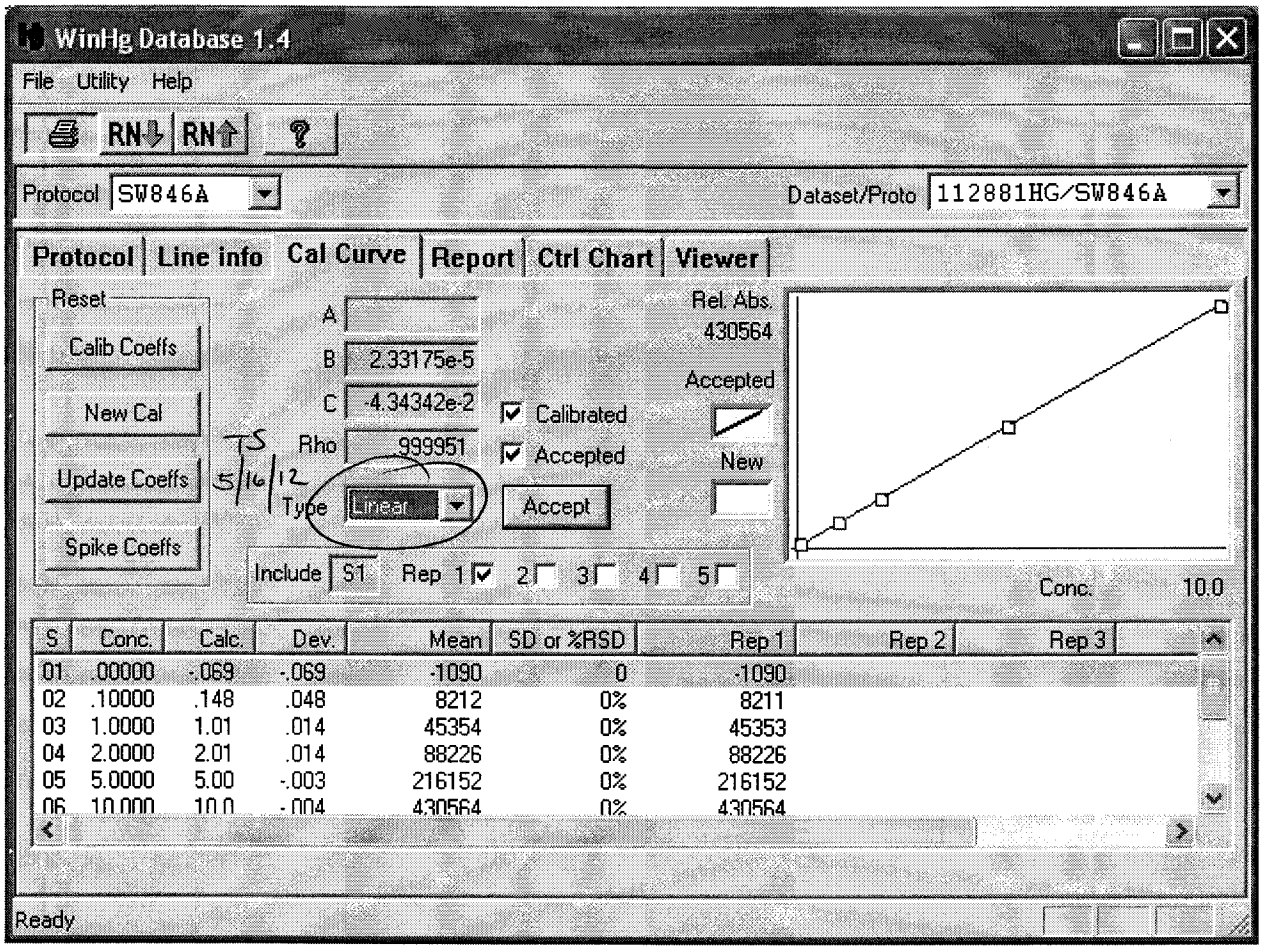
Line	Conc.	Units	SD/RSD	1	2	3	4	5	
*** Sample ID:				Seq: 12		19:49:41 16 May 12			HG
				460-40254-a-13-f du					
Hg	-.006	ppb	.000	-.006					=
*** Sample ID:				Seq: 13		19:52:31 16 May 12			HG
				460-40254-a-13-g ms					
Hg	1.07	ppb	.000	1.07					=
*** Sample ID:				Seq: 14		19:54:26 16 May 12			HG
				460-40254-a-12-d					
Hg	.437	ppb	.000	.437					=
*** Sample ID:				Seq: 15		19:56:11 16 May 12			HG
				460-40254-a-14-e					
Hg	.027	ppb	.000	.027					=
*** Sample ID:				Seq: 16		19:57:56 16 May 12			HG
				460-40254-a-15-c					
Hg	.156	ppb	.000	.156					=
*** Sample ID:				Seq: 17		19:59:48 16 May 12			HG
				460-40258-a-1-a					
Hg	.003	ppb	.000	.003					=
*** Sample ID:				Seq: 18		20:01:44 16 May 12			HG
				460-40258-a-2-a					
Hg	1.36	ppb	.000	1.36					=
*** Check Standard: 2 Ck2ACCV				Seq: 19		20:03:32 16 May 12			HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD			
Hg		106.	5.29	5.00	ppb	.000			=
*** Check Standard: 1 Ck1ICB/CCB				Seq: 20		20:05:26 16 May 12			HG
Line	Flag	Found	Range(+/-)	Units	SD/RSD				
Hg		-.063	.200	ppb	.000				=
*** Sample ID:				Seq: 21		20:07:12 16 May 12			HG
				460-40258-a-3-a					
Hg	.222	ppb	.000	.222					=
*** Sample ID:				Seq: 22		20:08:57 16 May 12			HG
				460-40258-a-4-a					
Hg	-.041	ppb	.000	-.041					=
*** Sample ID:				Seq: 23		20:10:55 16 May 12			HG
				460-40258-a-5-a					
Hg	.119	ppb	.000	.119					=

Line	Conc.	Units	SD/RSD	1	2	3	4	5	
*** Sample ID:				Seq: 24		20:12:50 16 May 12			HG
				460-40258-a-6-a					
Hg	.006	ppb	.000	.006					=
*** Sample ID:				Seq: 25		20:14:41 16 May 12			HG
				460-40258-a-7-a					
Hg	.102	ppb	.000	.102					=
*** Sample ID:				Seq: 26		20:16:37 16 May 12			HG
				460-40258-a-8-a					
Hg	.010	ppb	.000	.010					=
*** Sample ID:				Seq: 27		20:18:55 16 May 12			HG
				460-40258-a-9-a					
Hg	-.016	ppb	.000	-.016					=
*** Sample ID:				Seq: 28		20:20:40 16 May 12			HG
				460-40258-a-10-a					
Hg	.703	ppb	.000	.703					=
*** Sample ID:				Seq: 29		20:22:25 16 May 12			HG
				460-40258-a-11-a					
Hg	-.001	ppb	.000	-.001					=
*** Sample ID:				Seq: 30		20:24:24 16 May 12			HG
				460-40258-a-13-a					
Hg	.015	ppb	.000	.015					=
*** Check Standard: 2 Ck2ACCV				Seq: 31		20:26:13 16 May 12			HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD			
Hg		103.	5.15	5.00	ppb	.000			=
*** Check Standard: 1 Ck1ICB/CCB				Seq: 32		20:27:57 16 May 12			HG
Line	Flag	Found	Range(+/-)	Units	SD/RSD				
Hg		-.066	.200	ppb	.000				=
*** Sample ID:				Seq: 33		20:29:55 16 May 12			HG
				460-40261-a-1-c					
Hg	.421	ppb	.000	.421					=
*** Sample ID:				Seq: 34		20:31:45 16 May 12			HG
				460-40261-a-2-c					
Hg	.032	ppb	.000	.032					=
*** Sample ID:				Seq: 35		20:33:41 16 May 12			HG
				460-40273-g-1-a					
Hg	.213	ppb	.000	.213					=

Line	Conc.	Units	SD/RSD	1	2	3	4	5	
*** Sample ID:				Seq: 36	20:35:27 16 May 12				HG
				460-40273-g-2-a					
Hg	.222	ppb	.000	.222					=
*** Sample ID:				Seq: 37	20:37:14 16 May 12				HG
				SD 460-40254-a-13-e@					
Hg	-.037	ppb	.000	-.037					=
*** Check Standard: 2 Ck2ACCV				Seq: 38	20:38:59 16 May 12				HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD			
Hg		106.	5.28	5.00	ppb	.000			=
*** Check Standard: 1 Ck1ICB/CCB				Seq: 39	20:41:24 16 May 12				HG
Line	Flag	Found	Range(+/-)	Units	SD/RSD				
Hg		-.023	.200	ppb	.000				=
*** Sample ID:				Seq: 40	20:43:21 16 May 12				HG
				mb 460-112883/10-a					
Hg	-.046	ppb	.000	-.046					=
*** Sample ID: lcssrm 460				Seq: 41	20:45:41 16 May 12				HG
				-112883/11-a@10					
Hg	7.27	ppb	.000	7.27					=
*** Sample ID:				Seq: 42	20:47:27 16 May 12				HG
				460-40301-a-40-a					
Hg	-.046	ppb	.000	-.046					=
*** Sample ID:				Seq: 43	20:49:12 16 May 12				HG
				460-40301-a-40-b du					
Hg	-.016	ppb	.000	-.016					=
*** Sample ID:				Seq: 44	20:51:18 16 May 12				HG
				460-40301-a-40-c ms					
Hg	.993	ppb	.000	.993					=
*** Sample ID:				Seq: 45	20:53:06 16 May 12				HG
				460-40273-f-3-a					
Hg	.001	ppb	.000	.001					=
*** Sample ID:				Seq: 46	20:55:03 16 May 12				HG
				460-40273-f-5-a					
Hg	.145	ppb	.000	.145					=

Line	Conc.	Units	SD/RSD	1	2	3	4	5	
*** Sample ID:				Seq: 47		20:56:59 16 May 12			HG
				460-40273-g-6-a					
Hg	.310	ppb	.000	.310					=
*** Sample ID:				Seq: 48		20:58:46 16 May 12			HG
				460-40283-d-1-a					
Hg	-.066	ppb	.000	-.066					=
*** Sample ID:				Seq: 49		21:00:35 16 May 12			HG
				460-40283-a-3-a					
Hg	-.034	ppb	.000	-.034					=
*** Check Standard: 2 Ck2ACCV				Seq: 50		21:02:25 16 May 12			HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD			
Hg		105.	5.24	5.00	ppb	.000			=
*** Check Standard: 1 Ck1ICB/CCB				Seq: 51		21:04:13 16 May 12			HG
Line	Flag	Found	Range(+/-)	Units		SD/RSD			
Hg		-.042	.200	ppb		.000			=
*** Sample ID:				Seq: 52		21:05:58 16 May 12			HG
				460-40301-d-39-a					
Hg	.028	ppb	.000	.028					=
*** Sample ID:				Seq: 53		21:07:48 16 May 12			HG
				460-40305-a-1-a					
Hg	.248	ppb	.000	.248					=
*** Sample ID:				Seq: 54		21:09:55 16 May 12			HG
				460-40166-e-2-b					
Hg	.013	ppb	.000	.013					=
*** Sample ID:				Seq: 55		21:11:43 16 May 12			HG
				460-40166-e-3-b					
Hg	-.011	ppb	.000	-.011					=
*** Sample ID:				Seq: 56		21:13:40 16 May 12			HG
				460-40216-e-1-d					
Hg	2.31	ppb	.000	2.31					=
*** Sample ID:				Seq: 57		21:15:36 16 May 12			HG
				460-40216-e-2-d					
Hg	-.016	ppb	.000	-.016					=
*** Sample ID:				Seq: 58		21:17:34 16 May 12			HG
				460-40216-e-3-d					
Hg	1.04	ppb	.000	1.04					=

Line	Conc.	Units	SD/RSD	1	2	3	4	5	
*** Sample ID:				Seq: 59		21:20:02 16 May 12			HG
				460-40216-e-4-d					
Hg	.039	ppb	.000	.039					=
*** Sample ID:				Seq: 60		21:21:58 16 May 12			HG
				460-40216-b-5-d					
Hg	.255	ppb	.000	.255					=
*** Sample ID:				Seq: 61		21:24:06 16 May 12			HG
				460-40216-e-6-d					
Hg	-.004	ppb	.000	-.004					=
*** Check Standard: 2 Ck2ACCV				Seq: 62		21:25:54 16 May 12			HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD			
Hg		103.	5.16	5.00	ppb	.000			=
*** Check Standard: 1 Ck1ICB/CCB				Seq: 63		21:27:37 16 May 12			HG
Line	Flag	Found	Range(+/-)	Units		SD/RSD			
Hg		-.033	.200	ppb		.000			=
*** Sample ID:				Seq: 64		21:29:32 16 May 12			HG
				460-40216-e-7-d					
Hg	.193	ppb	.000	.193					=
*** Sample ID:				Seq: 65		21:31:19 16 May 12			HG
				460-40216-e-8-d					
Hg	-.013	ppb	.000	-.013					=
*** Sample ID:				Seq: 66		21:33:27 16 May 12			HG
				460-40216-e-9-f					
Hg	-.026	ppb	.000	-.026					=
*** Sample ID:				Seq: 67		21:35:13 16 May 12			HG
				460-40216-e-10-d					
Hg	.077	ppb	.000	.077					=
*** Sample ID:				Seq: 68		21:37:01 16 May 12			HG
				SD 460-40301-a-40-a@					
Hg	.006	ppb	.000	.006					=
*** Check Standard: 2 Ck2ACCV				Seq: 69		21:38:58 16 May 12			HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD			
Hg		104.	5.19	5.00	ppb	.000			=
*** Check Standard: 1 Ck1ICB/CCB				Seq: 70		21:40:42 16 May 12			HG
Line	Flag	Found	Range(+/-)	Units		SD/RSD			
Hg		.019	.200	ppb		.000			=


WinHg Database 1.4
File Utility Help
RN RN
Protocol SW846A
Dataset/Proto 112881HG/SW846A
Protocol Line info Cal Curve Report Ctrl Chart Viewer
Reset
Calib Coeffs
New Cal
Update Coeffs
Spike Coeffs
A
B 2.33175e-5
C -4.34342e-2
Rho 999951
Type Linear
Calibrated
Accepted
Accept
Rel. Abs. 430564
Accepted
New
TS 5/16/12
Include S1 Rep 1 2 3 4 5
Conc. 10.0
S Conc. Calc. Dev. Mean SD or %RSD Rep 1 Rep 2 Rep 3
01 .00000 -.069 -.069 -1090 0 -1090
02 .10000 .148 .048 8212 0% 8211
03 1.0000 1.01 .014 45354 0% 45353
04 2.0000 2.01 .014 88226 0% 88226
05 5.0000 5.00 -.003 216152 0% 216152
06 10.000 10.0 -.004 430564 0% 430564
Ready

Thomas Stair
Leeman3
Method 7471 (INTENSITIES)
5/16/12

Line	Conc.	Units	SD/RSD	1	2	3	4	5	
*** Standard: 1 Rep: 1				Seq: 1		19:28:22 16 May 12			HG
Hg	.000	ppb	-1090						
		Bkgd 1	6504758						= =
*** Standard: 2 Rep: 1				Seq: 2		19:30:18 16 May 12			HG
Hg	.100	ppb	8211						
		Bkgd 1	6506696						= =
*** Standard: 3 Rep: 1				Seq: 3		19:32:13 16 May 12			HG
Hg	1.00	ppb	45353						
		Bkgd 1	6504008						= =
*** Standard: 4 Rep: 1				Seq: 4		19:34:29 16 May 12			HG
Hg	2.00	ppb	88226						
		Bkgd 1	6504212						= =
*** Standard: 5 Rep: 1				Seq: 5		19:36:16 16 May 12			HG
Hg	5.00	ppb	216152						
		Bkgd 1	6503471						= =
*** Standard: 6 Rep: 1				Seq: 6		19:38:16 16 May 12			HG
Hg	10.0	ppb	430564						
		Bkgd 1	6503706						= =
*** Check Standard: 3			Ck3AICV	Seq: 7		19:40:03 16 May 12			HG
Line	Flag		Intensities						
Hg			211807						
		Bkgd 1	6499970						= =
*** Check Standard: 1			Ck1ICB/CCB	Seq: 8		19:41:48 16 May 12			HG
Line	Flag		Intensities						
Hg			-181						
		Bkgd 1	6501070						= =
*** Sample ID:				Seq: 9		19:44:03 16 May 12			HG
			mb 460-112881/10-a						
Hg	-.007	ppb	1549						
		Bkgd 1	6503249						= =

Line	Conc.	Units	SD/RSD	1	2	3	4	5	
*** Sample ID: lcssrm 460				Seq: 10		19:45:47 16 May 12		HG	
				-112881/11-a@10					
Hg	7.39	ppb	318813						
		Bkgd 1	6503097						=
									=
*** Sample ID:				Seq: 11		19:47:31 16 May 12		HG	
				460-40254-a-13-e					
Hg	-.028	ppb	659						
		Bkgd 1	6500462						=
									=
*** Sample ID:				Seq: 12		19:49:41 16 May 12		HG	
				460-40254-a-13-f du					
Hg	-.006	ppb	1598						
		Bkgd 1	6501196						=
									=
*** Sample ID:				Seq: 13		19:52:31 16 May 12		HG	
				460-40254-a-13-g ms					
Hg	1.07	ppb	47637						
		Bkgd 1	6504112						=
									=
*** Sample ID:				Seq: 14		19:54:26 16 May 12		HG	
				460-40254-a-12-d					
Hg	.437	ppb	20586						
		Bkgd 1	6502274						=
									=
*** Sample ID:				Seq: 15		19:56:11 16 May 12		HG	
				460-40254-a-14-e					
Hg	.027	ppb	3031						
		Bkgd 1	6502609						=
									=
*** Sample ID:				Seq: 16		19:57:56 16 May 12		HG	
				460-40254-a-15-c					
Hg	.156	ppb	8551						
		Bkgd 1	6501857						=
									=
*** Sample ID:				Seq: 17		19:59:48 16 May 12		HG	
				460-40258-a-1-a					
Hg	.003	ppb	2009						
		Bkgd 1	6504677						=
									=
*** Sample ID:				Seq: 18		20:01:44 16 May 12		HG	
				460-40258-a-2-a					
Hg	1.36	ppb	60188						
		Bkgd 1	6505334						=
									=

Line	Conc.	Units	SD/RSD	1	2	3	4	5	
*** Check Standard: 2			Ck2ACCV	Seq: 19		20:03:32 16 May 12			HG
Line Flag			Intensities						
Hg			228853						
		Bkgd 1	6502064						=
									=
*** Check Standard: 1			Ck1ICB/CCB	Seq: 20		20:05:26 16 May 12			HG
Line Flag			Intensities						
Hg			-844						
		Bkgd 1	6502674						=
									=
*** Sample ID:				Seq: 21		20:07:12 16 May 12			HG
			460-40258-a-3-a						
Hg	.222	ppb	11365						
		Bkgd 1	6503386						=
									=
*** Sample ID:				Seq: 22		20:08:57 16 May 12			HG
			460-40258-a-4-a						
Hg	-.041	ppb	85						
		Bkgd 1	6504007						=
									=
*** Sample ID:				Seq: 23		20:10:55 16 May 12			HG
			460-40258-a-5-a						
Hg	.119	ppb	6956						
		Bkgd 1	6504906						=
									=
*** Sample ID:				Seq: 24		20:12:50 16 May 12			HG
			460-40258-a-6-a						
Hg	.006	ppb	2101						
		Bkgd 1	6505536						=
									=
*** Sample ID:				Seq: 25		20:14:41 16 May 12			HG
			460-40258-a-7-a						
Hg	.102	ppb	6233						
		Bkgd 1	6509875						=
									=
*** Sample ID:				Seq: 26		20:16:37 16 May 12			HG
			460-40258-a-8-a						
Hg	.010	ppb	2278						
		Bkgd 1	6507873						=
									=
*** Sample ID:				Seq: 27		20:18:55 16 May 12			HG
			460-40258-a-9-a						
Hg	-.016	ppb	1188						
		Bkgd 1	6507233						=
									=

Line	Conc.	Units	SD/RSD	1	2	3	4	5	
*** Sample ID:				Seq: 28	20:20:40 16 May 12			HG	
				460-40258-a-10-a					
Hg	.703	ppb	32025						
		Bkgd 1	6507786						= =
*** Sample ID:				Seq: 29	20:22:25 16 May 12			HG	
				460-40258-a-11-a					
Hg	-.001	ppb	1819						
		Bkgd 1	6507277						= =
*** Sample ID:				Seq: 30	20:24:24 16 May 12			HG	
				460-40258-a-13-a					
Hg	.015	ppb	2521						
		Bkgd 1	6507920						= =
*** Check Standard: 2			Ck2ACCV	Seq: 31	20:26:13 16 May 12			HG	
Line	Flag		Intensities						
Hg			222615						
		Bkgd 1	6506167						= =
*** Check Standard: 1			Ck1ICB/CCB	Seq: 32	20:27:57 16 May 12			HG	
Line	Flag		Intensities						
Hg			-947						
		Bkgd 1	6503911						= =
*** Sample ID:				Seq: 33	20:29:55 16 May 12			HG	
				460-40261-a-1-c					
Hg	.421	ppb	19928						
		Bkgd 1	6507342						= =
*** Sample ID:				Seq: 34	20:31:45 16 May 12			HG	
				460-40261-a-2-c					
Hg	.032	ppb	3226						
		Bkgd 1	6507594						= =
*** Sample ID:				Seq: 35	20:33:41 16 May 12			HG	
				460-40273-g-1-a					
Hg	.213	ppb	10985						
		Bkgd 1	6508659						= =
*** Sample ID:				Seq: 36	20:35:27 16 May 12			HG	
				460-40273-g-2-a					
Hg	.222	ppb	11388						
		Bkgd 1	6507825						= =

Line	Conc.	Units	SD/RSD	1	2	3	4	5	
*** Sample ID:				Seq: 37	20:37:14 16 May 12	HG			
				SD 460-40254-a-13-e@					
Hg	-.037	ppb	263						
		Bkgd 1	6505447						= =
*** Check Standard: 2			Ck2ACCV	Seq: 38	20:38:59 16 May 12	HG			
Line	Flag		Intensities						
Hg			228304						
		Bkgd 1	6507492						= =
*** Check Standard: 1			Ck1ICB/CCB	Seq: 39	20:41:24 16 May 12	HG			
Line	Flag		Intensities						
Hg			864						
		Bkgd 1	6505388						= =
*** Sample ID:				Seq: 40	20:43:21 16 May 12	HG			
				mb 460-112883/10-a					
Hg	-.046	ppb	-92						
		Bkgd 1	6508687						= =
*** Sample ID: lcssrm 460				Seq: 41	20:45:41 16 May 12	HG			
				-112883/11-a@10					
Hg	7.27	ppb	313451						
		Bkgd 1	6510778						= =
*** Sample ID:				Seq: 42	20:47:27 16 May 12	HG			
				460-40301-a-40-a					
Hg	-.046	ppb	-130						
		Bkgd 1	6507695						= =
*** Sample ID:				Seq: 43	20:49:12 16 May 12	HG			
				460-40301-a-40-b du					
Hg	-.016	ppb	1170						
		Bkgd 1	6510264						= =
*** Sample ID:				Seq: 44	20:51:18 16 May 12	HG			
				460-40301-a-40-c ms					
Hg	.993	ppb	44451						
		Bkgd 1	6509824						= =
*** Sample ID:				Seq: 45	20:53:06 16 May 12	HG			
				460-40273-f-3-a					
Hg	.001	ppb	1914						
		Bkgd 1	6510642						= =

Line	Conc.	Units	SD/RSD	1	2	3	4	5	
*** Sample ID:				Seq: 46	20:55:03 16 May 12	HG			
				460-40273-f-5-a					
Hg	.145	ppb	8063						
		Bkgd 1	6510749						= =
*** Sample ID:				Seq: 47	20:56:59 16 May 12	HG			
				460-40273-g-6-a					
Hg	.310	ppb	15144						
		Bkgd 1	6510763						= =
*** Sample ID:				Seq: 48	20:58:46 16 May 12	HG			
				460-40283-d-1-a					
Hg	-.066	ppb	-965						
		Bkgd 1	6508278						= =
*** Sample ID:				Seq: 49	21:00:35 16 May 12	HG			
				460-40283-a-3-a					
Hg	-.034	ppb	390						
		Bkgd 1	6509233						= =
*** Check Standard: 2			Ck2ACCV	Seq: 50	21:02:25 16 May 12	HG			
Line	Flag		Intensities						
Hg			226757						
		Bkgd 1	6509337						= =
*** Check Standard: 1			Ck1ICB/CCB	Seq: 51	21:04:13 16 May 12	HG			
Line	Flag		Intensities						
Hg			73						
		Bkgd 1	6508953						= =
*** Sample ID:				Seq: 52	21:05:58 16 May 12	HG			
				460-40301-d-39-a					
Hg	.028	ppb	3069						
		Bkgd 1	6509894						= =
*** Sample ID:				Seq: 53	21:07:48 16 May 12	HG			
				460-40305-a-1-a					
Hg	.248	ppb	12479						
		Bkgd 1	6508997						= =
*** Sample ID:				Seq: 54	21:09:55 16 May 12	HG			
				460-40166-e-2-b					
Hg	.013	ppb	2424						
		Bkgd 1	6508922						= =

Line	Conc.	Units	SD/RSD	1	2	3	4	5	
*** Sample ID:				Seq: 55	21:11:43 16 May 12			HG	
			460-40166-e-3-b						
Hg	-.011	ppb	1398						
		Bkgd 1	6508747						= =
*** Sample ID:				Seq: 56	21:13:40 16 May 12			HG	
			460-40216-e-1-d						
Hg	2.31	ppb	100749						
		Bkgd 1	6507429						= =
*** Sample ID:				Seq: 57	21:15:36 16 May 12			HG	
			460-40216-e-2-d						
Hg	-.016	ppb	1186						
		Bkgd 1	6507640						= =
*** Sample ID:				Seq: 58	21:17:34 16 May 12			HG	
			460-40216-e-3-d						
Hg	1.04	ppb	46301						
		Bkgd 1	6507823						= =
*** Sample ID:				Seq: 59	21:20:02 16 May 12			HG	
			460-40216-e-4-d						
Hg	.039	ppb	3546						
		Bkgd 1	6509519						= =
*** Sample ID:				Seq: 60	21:21:58 16 May 12			HG	
			460-40216-b-5-d						
Hg	.255	ppb	12815						
		Bkgd 1	6509537						= =
*** Sample ID:				Seq: 61	21:24:06 16 May 12			HG	
			460-40216-e-6-d						
Hg	-.004	ppb	1709						
		Bkgd 1	6509258						= =
*** Check Standard: 2			Ck2ACCV	Seq: 62	21:25:54 16 May 12			HG	
Line	Flag		Intensities						
Hg			223254						
		Bkgd 1	6510185						= =
*** Check Standard: 1			Ck1ICB/CCB	Seq: 63	21:27:37 16 May 12			HG	
Line	Flag		Intensities						
Hg			465						
		Bkgd 1	6508654						= =

Line	Conc.	Units	SD/RSD	1	2	3	4	5	
*** Sample ID:				Seq: 64	21:29:32 16 May 12				HG
			460-40216-e-7-d						
Hg	.193	ppb	10156						
		Bkgd 1	6510864						= =
*** Sample ID:				Seq: 65	21:31:19 16 May 12				HG
			460-40216-e-8-d						
Hg	-.013	ppb	1285						
		Bkgd 1	6511254						= =
*** Sample ID:				Seq: 66	21:33:27 16 May 12				HG
			460-40216-e-9-f						
Hg	-.026	ppb	760						
		Bkgd 1	6510350						= =
*** Sample ID:				Seq: 67	21:35:13 16 May 12				HG
			460-40216-e-10-d						
Hg	.077	ppb	5149						
		Bkgd 1	6512305						= =
*** Sample ID:				Seq: 68	21:37:01 16 May 12				HG
			SD 460-40301-a-40-a@						
Hg	.006	ppb	2127						
		Bkgd 1	6511985						= =
*** Check Standard: 2			Ck2ACCV	Seq: 69	21:38:58 16 May 12				HG
Line	Flag		Intensities						
Hg			224588						
		Bkgd 1	6511821						= =
*** Check Standard: 1			Ck1ICB/CCB	Seq: 70	21:40:42 16 May 12				HG
Line	Flag		Intensities						
Hg			2671						
		Bkgd 1	6510590						= =

METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Batch Number: 112924 Batch Start Date: 05/17/12 07:01 Batch Analyst: Chen, Mandi

Batch Method: 3050B Batch End Date: 05/17/12 12:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	InitialAmount	FinalAmount	ME_LCS-int 00030	ME_LCSS_75 00002	
MB 460-112924/1		3050B, 6010B		CALC NOT SET TO RUN	1.00 g	50 mL			
LCSSRM 460-112924/2		3050B, 6010B		CALC NOT SET TO RUN	1.00 g	50 mL		1 g	
460-40258-A-9	DB-5 49.5-50'	3050B, 6010B	T	CALC NOT SET TO RUN	1.04 g	50 mL			
460-40258-A-9 DU	DB-5 49.5-50'	3050B, 6010B	T	CALC NOT SET TO RUN	1.08 g	50 mL			
460-40258-A-9 MS	DB-5 49.5-50'	3050B, 6010B	T	CALC NOT SET TO RUN	1.05 g	50 mL	2 mL		
460-40258-A-1	DB-1 23-23.5'	3050B, 6010B	T	CALC NOT SET TO RUN	1.09 g	50 mL			
460-40258-A-2	DB-1 34.5-35'	3050B, 6010B	T	CALC NOT SET TO RUN	1.06 g	50 mL			
460-40258-A-3	DB-2 13.5-14'	3050B, 6010B	T	CALC NOT SET TO RUN	1.12 g	50 mL			
460-40258-A-4	DB-2 34.5-35'	3050B, 6010B	T	CALC NOT SET TO RUN	1.02 g	50 mL			
460-40258-A-5	DB-3 20.5-21'	3050B, 6010B	T	CALC NOT SET TO RUN	1.03 g	50 mL			
460-40258-A-6	DB-3 30.5-31'	3050B, 6010B	T	CALC NOT SET TO RUN	1.06 g	50 mL			
460-40258-A-7	DB-5 21-21.5'	3050B, 6010B	T	CALC NOT SET TO RUN	1.03 g	50 mL			
460-40258-A-8	DB-5 35-35.5'	3050B, 6010B	T	CALC NOT SET TO RUN	1.11 g	50 mL			
460-40258-A-10	DB-6 15-15.5'	3050B, 6010B	T	CALC NOT SET TO RUN	1.00 g	50 mL			
460-40258-A-11	DB-6 29.5-30'	3050B, 6010B	T	CALC NOT SET TO RUN	1.03 g	50 mL			
460-40258-A-13	DB-6 39.5-40'	3050B, 6010B	T	CALC NOT SET TO RUN	1.09 g	50 mL			

METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Batch Number: 112924 Batch Start Date: 05/17/12 07:01 Batch Analyst: Chen, Mandi

Batch Method: 3050B Batch End Date: 05/17/12 12:00

Batch Notes	
Balance ID	35
Hydrogen peroxide lot number	K45J00
Lot # of hydrochloric acid	L02A02
Logbook ID for diluted Nitric	MPR197
Lot # of Nitric Acid	L03021
Hood ID or number	8
Hot Block ID number	1
Pipette ID	25
Temperature	95 Degrees C
ID number of the thermometer	ICP-2
Digestion Tube/Cup Lot #	116696263

Basis	Basis Description
T	Total/NA

METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Batch Number: 112881 Batch Start Date: 05/16/12 17:00 Batch Analyst: Staib, Thomas

Batch Method: 7471A Batch End Date: 05/16/12 18:45

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ME_DQCS-INT 00515	ME_LCSS_75 00002		
ICV 460-112881/7		7471A, 7471A		0.60 g	100 mL	5 mL			
CCV 460-112881/8		7471A, 7471A		0.60 g	100 mL	5 mL			
MB 460-112881/10		7471A, 7471A		0.60 g	100 mL				
LCSSRM 460-112881/11		7471A, 7471A		0.60 g	100 mL		0.6 g		
460-40258-A-1	DB-1 23-23.5'	7471A, 7471A	T	0.62 g	100 mL				
460-40258-A-2	DB-1 34.5-35'	7471A, 7471A	T	0.60 g	100 mL				
460-40258-A-3	DB-2 13.5-14'	7471A, 7471A	T	0.64 g	100 mL				
460-40258-A-4	DB-2 34.5-35'	7471A, 7471A	T	0.67 g	100 mL				
460-40258-A-5	DB-3 20.5-21'	7471A, 7471A	T	0.62 g	100 mL				
460-40258-A-6	DB-3 30.5-31'	7471A, 7471A	T	0.66 g	100 mL				
460-40258-A-7	DB-5 21-21.5'	7471A, 7471A	T	0.63 g	100 mL				
460-40258-A-8	DB-5 35-35.5'	7471A, 7471A	T	0.61 g	100 mL				
460-40258-A-9	DB-5 49.5-50'	7471A, 7471A	T	0.62 g	100 mL				
460-40258-A-10	DB-6 15-15.5'	7471A, 7471A	T	0.65 g	100 mL				
460-40258-A-11	DB-6 29.5-30'	7471A, 7471A	T	0.61 g	100 mL				
460-40258-A-13	DB-6 39.5-40'	7471A, 7471A	T	0.63 g	100 mL				

METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Batch Number: 112881 Batch Start Date: 05/16/12 17:00 Batch Analyst: Staib, Thomas

Batch Method: 7471A Batch End Date: 05/16/12 18:45

Batch Notes	
Hydroxylamine Hydrochloride Lot	HgR01449
Balance ID	#35
Batch Comment	Autoclave Pressure 15 LBS
Sulfuric Acid Lot Number	K20042
Lot # of hydrochloric acid	HgR01445
Lot # of Nitric Acid	L03021
Hood ID or number	#1
Potassium Permanganate Lot Number	HgR01447
NaCL Lot #	HgR01449
Oven, Bath or Block Temperature 1	Autoclave Temperature 121 Degrees Celcius
Pipette ID	#25
Stannous Chloride Lot Number	HgR01446
ID number of the thermometer	Prep-1

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job Number: 460-40258-1

SDG No.:

Project: Cond Edison 500 Kent Ave, Brooklyn

Client Sample ID	Lab Sample ID
DB-1 23-23.5'	460-40258-1
DB-1 34.5-35'	460-40258-2
DB-2 13.5-14'	460-40258-3
DB-2 34.5-35'	460-40258-4
DB-3 20.5-21'	460-40258-5
DB-3 30.5-31'	460-40258-6
DB-5 21-21.5'	460-40258-7
DB-5 35-35.5'	460-40258-8
DB-5 49.5-50'	460-40258-9
DB-6 15-15.5'	460-40258-10
DB-6 29.5-30'	460-40258-11
DB-6 30-30.5'	460-40258-12
DB-6 39.5-40'	460-40258-13

Comments:

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: DB-1 23-23.5' Lab Sample ID: 460-40258-1

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG ID.:

Matrix: Solid Date Sampled: 05/10/2012 12:35

Reporting Basis: DRY Date Received: 05/15/2012 16:35

% Solids: 85.9

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	0.063	0.58	0.063	mg/Kg	U		1	9012A
18540-29-9	Cr (VI)	0.86	2.3	0.86	mg/Kg	U		1	7196A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: DB-1 23-23.5' Lab Sample ID: 460-40258-1

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG ID.:

Matrix: Solid Date Sampled: 05/10/2012 12:35

Reporting Basis: WET Date Received: 05/15/2012 16:35

% Solids: 85.9

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
16065-83-1	Cr (III)	7.2	2.0	0.75	mg/Kg			1	7196A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: DB-1 34.5-35' Lab Sample ID: 460-40258-2

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG ID.:

Matrix: Solid Date Sampled: 05/10/2012 12:45

Reporting Basis: DRY Date Received: 05/15/2012 16:35

% Solids: 83.4

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	0.065	0.60	0.065	mg/Kg	U		1	9012A
18540-29-9	Cr (VI)	0.88	2.4	0.88	mg/Kg	U		1	7196A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: DB-1 34.5-35' Lab Sample ID: 460-40258-2

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG ID.:

Matrix: Solid Date Sampled: 05/10/2012 12:45

Reporting Basis: WET Date Received: 05/15/2012 16:35

% Solids: 83.4

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
16065-83-1	Cr (III)	90.4	2.0	0.75	mg/Kg			1	7196A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: DB-2 13.5-14' Lab Sample ID: 460-40258-3

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG ID.:

Matrix: Solid Date Sampled: 05/10/2012 14:00

Reporting Basis: DRY Date Received: 05/15/2012 16:35

% Solids: 84.9

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	0.064	0.59	0.064	mg/Kg	U		1	9012A
18540-29-9	Cr (VI)	0.86	2.3	0.86	mg/Kg	U		1	7196A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: DB-2 13.5-14' Lab Sample ID: 460-40258-3

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG ID.:

Matrix: Solid Date Sampled: 05/10/2012 14:00

Reporting Basis: WET Date Received: 05/15/2012 16:35

% Solids: 84.9

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
16065-83-1	Cr (III)	22.1	2.0	0.75	mg/Kg			1	7196A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: DB-2 34.5-35' Lab Sample ID: 460-40258-4

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG ID.:

Matrix: Solid Date Sampled: 05/10/2012 14:50

Reporting Basis: DRY Date Received: 05/15/2012 16:35

% Solids: 89.2

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	0.061	0.56	0.061	mg/Kg	U		1	9012A
18540-29-9	Cr (VI)	0.85	2.3	0.85	mg/Kg	U		1	7196A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: DB-2 34.5-35' Lab Sample ID: 460-40258-4

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG ID.:

Matrix: Solid Date Sampled: 05/10/2012 14:50

Reporting Basis: WET Date Received: 05/15/2012 16:35

% Solids: 89.2

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
16065-83-1	Cr (III)	24.9	2.0	0.75	mg/Kg			1	7196A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: DB-3 20.5-21' Lab Sample ID: 460-40258-5

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG ID.:

Matrix: Solid Date Sampled: 05/10/2012 16:40

Reporting Basis: DRY Date Received: 05/15/2012 16:35

% Solids: 84.3

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	0.064	0.59	0.064	mg/Kg	U		1	9012A
18540-29-9	Cr (VI)	0.89	2.4	0.89	mg/Kg	U		1	7196A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: DB-3 20.5-21' Lab Sample ID: 460-40258-5

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG ID.:

Matrix: Solid Date Sampled: 05/10/2012 16:40

Reporting Basis: WET Date Received: 05/15/2012 16:35

% Solids: 84.3

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
16065-83-1	Cr (III)	10.1	2.0	0.75	mg/Kg			1	7196A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: DB-3 30.5-31' Lab Sample ID: 460-40258-6

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG ID.:

Matrix: Solid Date Sampled: 05/10/2012 16:55

Reporting Basis: DRY Date Received: 05/15/2012 16:35

% Solids: 86.6

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	0.062	0.58	0.062	mg/Kg	U		1	9012A
18540-29-9	Cr (VI)	0.85	2.3	0.85	mg/Kg	U		1	7196A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: DB-3 30.5-31' Lab Sample ID: 460-40258-6

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG ID.:

Matrix: Solid Date Sampled: 05/10/2012 16:55

Reporting Basis: WET Date Received: 05/15/2012 16:35

% Solids: 86.6

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
16065-83-1	Cr (III)	17.9	2.0	0.75	mg/Kg			1	7196A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: DB-5 21-21.5' Lab Sample ID: 460-40258-7

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG ID.:

Matrix: Solid Date Sampled: 05/11/2012 14:35

Reporting Basis: DRY Date Received: 05/15/2012 16:35

% Solids: 84.1

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	0.064	0.59	0.064	mg/Kg	U		1	9012A
18540-29-9	Cr (VI)	0.86	2.3	0.86	mg/Kg	U		1	7196A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: DB-5 21-21.5' Lab Sample ID: 460-40258-7

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG ID.:

Matrix: Solid Date Sampled: 05/11/2012 14:35

Reporting Basis: WET Date Received: 05/15/2012 16:35

% Solids: 84.1

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
16065-83-1	Cr (III)	10.9	2.0	0.75	mg/Kg			1	7196A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: DB-5 35-35.5' Lab Sample ID: 460-40258-8

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG ID.:

Matrix: Solid Date Sampled: 05/11/2012 14:50

Reporting Basis: DRY Date Received: 05/15/2012 16:35

% Solids: 80.5

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	0.067	0.62	0.067	mg/Kg	U		1	9012A
18540-29-9	Cr (VI)	0.93	2.5	0.93	mg/Kg	U		1	7196A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: DB-5 35-35.5' Lab Sample ID: 460-40258-8

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG ID.:

Matrix: Solid Date Sampled: 05/11/2012 14:50

Reporting Basis: WET Date Received: 05/15/2012 16:35

% Solids: 80.5

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
16065-83-1	Cr (III)	30.8	2.0	0.75	mg/Kg			1	7196A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: DB-5 49.5-50' Lab Sample ID: 460-40258-9

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG ID.:

Matrix: Solid Date Sampled: 05/11/2012 16:05

Reporting Basis: DRY Date Received: 05/15/2012 16:35

% Solids: 90.2

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	0.060	0.55	0.060	mg/Kg	U		1	9012A
18540-29-9	Cr (VI)	0.83	2.2	0.83	mg/Kg	U		1	7196A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: DB-5 49.5-50' Lab Sample ID: 460-40258-9

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG ID.:

Matrix: Solid Date Sampled: 05/11/2012 16:05

Reporting Basis: WET Date Received: 05/15/2012 16:35

% Solids: 90.2

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
16065-83-1	Cr (III)	11.6	2.0	0.75	mg/Kg			1	7196A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: DB-6 15-15.5' Lab Sample ID: 460-40258-10

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG ID.:

Matrix: Solid Date Sampled: 05/11/2012 10:15

Reporting Basis: DRY Date Received: 05/15/2012 16:35

% Solids: 78.9

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	0.068	0.63	0.068	mg/Kg	U		1	9012A
18540-29-9	Cr (VI)	0.94	2.5	0.94	mg/Kg	U		1	7196A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: DB-6 15-15.5' Lab Sample ID: 460-40258-10

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG ID.:

Matrix: Solid Date Sampled: 05/11/2012 10:15

Reporting Basis: WET Date Received: 05/15/2012 16:35

% Solids: 78.9

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
16065-83-1	Cr (III)	43.1	2.0	0.75	mg/Kg			1	7196A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: DB-6 29.5-30' Lab Sample ID: 460-40258-11

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG ID.:

Matrix: Solid Date Sampled: 05/11/2012 10:45

Reporting Basis: DRY Date Received: 05/15/2012 16:35

% Solids: 90.0

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	0.060	0.56	0.060	mg/Kg	U		1	9012A
18540-29-9	Cr (VI)	0.82	2.2	0.82	mg/Kg	U		1	7196A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: DB-6 29.5-30' Lab Sample ID: 460-40258-11

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG ID.:

Matrix: Solid Date Sampled: 05/11/2012 10:45

Reporting Basis: WET Date Received: 05/15/2012 16:35

% Solids: 90.0

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
16065-83-1	Cr (III)	15.3	2.0	0.75	mg/Kg			1	7196A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: DB-6 39.5-40' Lab Sample ID: 460-40258-13

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG ID.:

Matrix: Solid Date Sampled: 05/11/2012 10:55

Reporting Basis: DRY Date Received: 05/15/2012 16:35

% Solids: 77.7

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	0.070	0.64	0.070	mg/Kg	U		1	9012A
18540-29-9	Cr (VI)	0.95	2.5	0.95	mg/Kg	U		1	7196A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: DB-6 39.5-40' Lab Sample ID: 460-40258-13

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG ID.:

Matrix: Solid Date Sampled: 05/11/2012 10:55

Reporting Basis: WET Date Received: 05/15/2012 16:35

% Solids: 77.7

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
16065-83-1	Cr (III)	51.7	2.0	0.75	mg/Kg			1	7196A

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Analyst: HV Batch Start Date: 05/22/2012

Reporting Units: mg/L Analytical Batch No.: 113512

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
8	ICV	13:31	Cyanide, Total	0.207	0.200	104	90-110		WTcnIM3_00698
9	CCB	13:33	Cyanide, Total	0.0014				U	
10	CCV	13:34	Cyanide, Total	0.206	0.200	103	90-110		WTcnIM3_00698
18	CCV	13:43	Cyanide, Total	0.206	0.200	103	90-110		WTcnIM3_00698
19	CCB	13:44	Cyanide, Total	0.0014				U	
30	CCV	13:56	Cyanide, Total	0.206	0.200	103	90-110		WTcnIM3_00698
31	CCB	13:58	Cyanide, Total	0.0014				U	
42	CCV	14:10	Cyanide, Total	0.207	0.200	104	90-110		WTcnIM3_00698
43	CCB	14:11	Cyanide, Total	0.0014				U	
54	CCV	14:24	Cyanide, Total	0.204	0.200	102	90-110		WTcnIM3_00698
55	CCB	14:25	Cyanide, Total	0.0014				U	

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

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Analyst: ML Batch Start Date: 05/21/2012

Reporting Units: ug/L Analytical Batch No.: 113337

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
7	ICV	13:39	Cr (VI)	519.3	500	104	90-110		WThcrIM3_00018
8	ICB	13:39	Cr (VI)	2.7				U	
19	CCV	15:44	Cr (VI)	514.2	500	103	90-110		WThcrIM3_00018
20	CCB	15:44	Cr (VI)	2.7				U	
31	CCV	17:15	Cr (VI)	500.2	500	100	90-110		WThcrIM3_00018
32	CCB	17:15	Cr (VI)	2.7				U	

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

FORM II-IN

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Method	Lab Sample ID	Analyte	Result	Qual	Units	RL	Dil
Batch ID: 113337	Date: 05/21/2012 15:39	Prep Batch: 113332	Date: 05/21/2012 11:30				
7196A	MB 460-113332/1-A	Cr (VI)	0.75	U	mg/Kg	2.0	1
Batch ID: 113512	Date: 05/22/2012 13:35	Prep Batch: 113451	Date: 05/22/2012 07:30				
9012A	MB 460-113451/1-A	Cyanide, Total	0.054	U	mg/Kg	0.50	1
Batch ID: 113512	Date: 05/22/2012 13:41	Prep Batch: 113428	Date: 05/22/2012 07:30				
9012A	MB 460-113428/1-A	Cyanide, Total	0.054	U	mg/Kg	0.50	1
Batch ID: 113512	Date: 05/22/2012 14:17	Prep Batch: 113479	Date: 05/22/2012 10:30				
9012A	MB 460-113479/1-A	Cyanide, Total	0.054	U	mg/Kg	0.50	1

5-IN
MATRIX SPIKE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 113512	Date: 05/22/2012 13:46		Prep Batch: 113428		Date: 05/22/2012 07:30						
9012A	460-40258-1	Cyanide, Total	0.063	U	mg/Kg						
9012A	460-40258-1 MS	Cyanide, Total	12.03		mg/Kg	11.6	103	85-115			

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM V-IN

5-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 113512	Date: 05/22/2012 13:47		Prep Batch: 113428		Date: 05/22/2012 07:30						
9012A	460-40258-1 MSD	Cyanide, Total	12.11		mg/Kg	11.6	104	85-115	1	10	

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM V-IN

5-IN
MATRIX SPIKE SOLUBLE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 113337	Date: 05/21/2012 15:39		Prep Batch: 113332		Date: 05/21/2012 11:30						
7196A	460-40258-9	Cr (VI)	0.83	U	mg/Kg						
7196A	460-40258-9 MSS	Cr (VI)	39.25		mg/Kg	44.4	88	75-125			
Batch ID: 113337	Date: 05/21/2012 15:39		Prep Batch: 113332		Date: 05/21/2012 11:30						
7196A	460-40258-9	Cr (VI)	0.83	U	mg/Kg						
7196A	460-40258-9 MSI	Cr (VI)	806.9		mg/Kg	785	103	75-125			
Batch ID: 113337	Date: 05/21/2012 15:39		Prep Batch: 113332		Date: 05/21/2012 11:30						
7196A	460-40258-9	Cr (VI)	0.83	U	mg/Kg						
7196A	460-40258-9 PDS	Cr (VI)	43.83		mg/Kg	44.4	99	85-115			

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM V-IN

6-IN
DUPLICATE
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Matrix: Solid

Method	Client Sample ID	Lab Sample ID	Analyte	Result	Unit	RPD	RPD Limit	Qual
Batch ID: 113337	Date: 05/21/2012 15:39		Prep Batch: 113332	Date: 05/21/2012 11:30				
7196A	DB-5 49.5-50'	460-40258-9	Cr (VI)	0.83	mg/Kg			U
7196A	DB-5 49.5-50'	460-40258-9 DU	Cr (VI)	0.83	mg/Kg	NC	20	U

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

FORM VI-IN

7A-IN
LOW LEVEL CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 113512	Date: 05/22/2012 13:36		Prep Batch: 113451		Date: 05/22/2012 07:30						
					LCS Source: WTcnIM2_00835						
9012A	LLCS 460-113451/2-A	Cyanide, Total	1.33		mg/Kg	1.25	107	90-110			
Batch ID: 113512	Date: 05/22/2012 13:42		Prep Batch: 113428		Date: 05/22/2012 07:30						
					LCS Source: WTcnIM2_00835						
9012A	LLCS 460-113428/2-A	Cyanide, Total	1.34		mg/Kg	1.25	107	90-110			

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

FORM VIIA-IN

7A-IN
HIGH LEVEL CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 113512	Date: 05/22/2012 13:37		Prep Batch: 113451		Date: 05/22/2012 07:30						
					LCS Source: WTcnIM1_00678						
9012A	HLCS 460-113451/3-A	Cyanide, Total	10.07		mg/Kg	10.0	101	90-110			
Batch ID: 113512	Date: 05/22/2012 13:45		Prep Batch: 113428		Date: 05/22/2012 07:30						
					LCS Source: WTcnIM1_00678						
9012A	HLCS 460-113428/3-A	Cyanide, Total	10.16		mg/Kg	10.0	102	90-110			

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

FORM VIIA-IN

7A-IN
LAB CONTROL SAMPLE SOLUBLE
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 113337	Date: 05/21/2012 15:39		Prep Batch: 113332		Date: 05/21/2012 11:30						
					LCS Source: WThcrsLCS_00058						
7196A	LCSS 460-113332/2-A	Cr (VI)	22.86		mg/Kg	24.4	94	85-115			
Batch ID: 113337	Date: 05/21/2012 15:39		Prep Batch: 113332		Date: 05/21/2012 11:30						
					LCS Source: WThcrPbCr_00004						
7196A	LCSI 460-113332/3-A	Cr (VI)	714.9		mg/Kg	708	101	80-120			

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

FORM VIIA-IN

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job Number: 460-40258-1

SDG Number:

Matrix: Solid Instrument ID: Lachat2

Method: 9012A MDL Date: 11/22/2011 09:58

Prep Method: 9012A

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Cyanide, Total		0.5	0.054

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job Number: 460-40258-1

SDG Number:

Matrix: Solid Instrument ID: Lachat2

Method: 9012A XMDL Date: 11/22/2011 09:58

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Cyanide, Total		0.01	0.0014

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job Number: 460-40258-1

SDG Number:

Matrix: Solid Instrument ID: NOEQUIP

Method: 7196A MDL Date: 11/22/2011 13:46

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Cr (III)		2	0.75

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job Number: 460-40258-1

SDG Number:

Matrix: Solid Instrument ID: NOEQUIP

Method: 7196A XMDL Date: 11/22/2011 13:46

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Cr (III)		10	2.7

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job Number: 460-40258-1

SDG Number:

Matrix: Solid Instrument ID: WetHexSpec

Method: 7196A MDL Date: 11/22/2011 10:23

Prep Method: 3060A

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Cr (VI)		2	0.75

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job Number: 460-40258-1

SDG Number:

Matrix: Solid Instrument ID: WetHexSpec

Method: 7196A XMDL Date: 11/22/2011 10:23

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Cr (VI)		10	2.7

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job Number: 460-40258-1

SDG Number:

Matrix: Solid Instrument ID: NOEQUIP

Method: Moisture RL Date: 02/15/2007 17:07

Analyte	Wavelength/ Mass	RL (%)	
Percent Moisture		1	
Percent Solids		1	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job Number: 460-40258-1

SDG Number:

Matrix: Solid Instrument ID: NOEQUIP

Method: Moisture XRL Date: 01/01/2007 16:49

Analyte	Wavelength/ Mass	XRL (%)	
Percent Moisture		1	
Percent Solids		1	

11-IN
LINEAR RANGES
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No: 460-40258-1

SDG No.:

Instrument ID: WetHexSpec Date: 01/01/2009 10:43

Analyte	Integ. Time (Sec.)	Concentration (mg/L)	Method
Cr (VI)		1.25	7196A

12-IN
PREPARATION LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Prep Method: 9012A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 460-113428/1-A	05/22/2012 07:30	113428	1.0		50.0
LLCS 460-113428/2-A	05/22/2012 07:30	113428	1.0		50.0
HLCS 460-113428/3-A	05/22/2012 07:30	113428	1.0		50.0
460-40258-1 MS	05/22/2012 07:30	113428	1.0		50.0
460-40258-1 MSD	05/22/2012 07:30	113428	1.0		50.0
460-40258-1	05/22/2012 07:30	113428	1.0		50.0
460-40258-2	05/22/2012 07:30	113428	1.0		50.0
460-40258-3	05/22/2012 07:30	113428	1.0		50.0
460-40258-4	05/22/2012 07:30	113428	1.0		50.0
460-40258-5	05/22/2012 07:30	113428	1.0		50.0
460-40258-6	05/22/2012 07:30	113428	1.0		50.0
460-40258-7	05/22/2012 07:30	113428	1.0		50.0
460-40258-8	05/22/2012 07:30	113428	1.0		50.0
460-40258-9	05/22/2012 07:30	113428	1.0		50.0
460-40258-10	05/22/2012 07:30	113428	1.0		50.0

12-IN
PREPARATION LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Prep Method: 9012A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 460-113451/1-A	05/22/2012 07:30	113451	1.0		50.0
LLCS 460-113451/2-A	05/22/2012 07:30	113451	1.0		50.0
HLCS 460-113451/3-A	05/22/2012 07:30	113451	1.0		50.0
460-40258-11	05/22/2012 07:30	113451	1.0		50.0
460-40258-13	05/22/2012 07:30	113451	1.0		50.0

12-IN
PREPARATION LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Prep Method: 9012A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 460-113479/1-A	05/22/2012 10:30	113479	1.0		50.0

FORM XII-IN

12-IN
PREPARATION LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Prep Method: 3060A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 460-113332/1-A	05/21/2012 11:30	113332	2.50		100
LCSS 460-113332/2-A	05/21/2012 11:30	113332	2.50		100
LCSI 460-113332/3-A	05/21/2012 11:30	113332	2.50		100
460-40258-9	05/21/2012 11:30	113332	2.50		100
460-40258-9 DU	05/21/2012 11:30	113332	2.50		100
460-40258-9 MSS	05/21/2012 11:30	113332	2.50		100
460-40258-9 MSI	05/21/2012 11:30	113332	2.50		100
460-40258-1	05/21/2012 11:30	113332	2.53		100
460-40258-2	05/21/2012 11:30	113332	2.55		100
460-40258-3	05/21/2012 11:30	113332	2.57		100
460-40258-4	05/21/2012 11:30	113332	2.47		100
460-40258-5	05/21/2012 11:30	113332	2.50		100
460-40258-6	05/21/2012 11:30	113332	2.54		100
460-40258-7	05/21/2012 11:30	113332	2.58		100
460-40258-8	05/21/2012 11:30	113332	2.50		100
460-40258-10	05/21/2012 11:30	113332	2.53		100
460-40258-11	05/21/2012 11:30	113332	2.55		100
460-40258-13	05/21/2012 11:30	113332	2.54		100

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Instrument ID: Lachat2 Method: 9012A

Start Date: 05/22/2012 13:22 End Date: 05/22/2012 14:34

Lab Sample ID	D / F	Type	Time	Analytes																			
				CN																			
ZZZZZZ			13:22																				
ZZZZZZ			13:23																				
ZZZZZZ			13:24																				
ZZZZZZ			13:26																				
ZZZZZZ			13:27																				
ZZZZZZ			13:28																				
ZZZZZZ			13:29																				
ICV 460-113512/8	1		13:31	X																			
CCB 460-113512/9	1		13:33	X																			
CCV 460-113512/10	1		13:34	X																			
MB 460-113451/1-A	1	T	13:35	X																			
LLCS 460-113451/2-A	1	T	13:36	X																			
HLCS 460-113451/3-A	1	T	13:37	X																			
460-40258-11	1	T	13:38	X																			
460-40258-13	1	T	13:39	X																			
MB 460-113428/1-A	1	T	13:41	X																			
LLCS 460-113428/2-A	1	T	13:42	X																			
CCV 460-113512/18	1		13:43	X																			
CCB 460-113512/19	1		13:44	X																			
HLCS 460-113428/3-A	1	T	13:45	X																			
460-40258-1 MS	1	T	13:46	X																			
460-40258-1 MSD	1	T	13:47	X																			
460-40258-1	1	T	13:48	X																			
460-40258-2	1	T	13:50	X																			
460-40258-3	1	T	13:51	X																			
460-40258-4	1	T	13:52	X																			
460-40258-5	1	T	13:53	X																			
460-40258-6	1	T	13:54	X																			
460-40258-7	1	T	13:55	X																			
CCV 460-113512/30	1		13:56	X																			
CCB 460-113512/31	1		13:58	X																			
460-40258-8	1	T	13:59	X																			
460-40258-9	1	T	14:00	X																			
460-40258-10	1	T	14:01	X																			
ZZZZZZ			14:02																				
ZZZZZZ			14:03																				
ZZZZZZ			14:04																				
ZZZZZZ			14:06																				
ZZZZZZ			14:07																				
ZZZZZZ			14:08																				
ZZZZZZ			14:09																				
CCV 460-113512/42	1		14:10	X																			

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Instrument ID: Lachat2 Method: 9012A

Start Date: 05/22/2012 13:22 End Date: 05/22/2012 14:34

Lab Sample ID	D / F	Type	Time	Analytes																			
				CN																			
CCB 460-113512/43	1		14:11	X																			
ZZZZZZ			14:12																				
ZZZZZZ			14:13																				
ZZZZZZ			14:15																				
ZZZZZZ			14:16																				
MB 460-113479/1-A	1	T	14:17	X																			
ZZZZZZ			14:18																				
ZZZZZZ			14:19																				
ZZZZZZ			14:20																				
ZZZZZZ			14:21																				
ZZZZZZ			14:23																				
CCV 460-113512/54	1		14:24	X																			
CCB 460-113512/55	1		14:25	X																			
ZZZZZZ			14:26																				
ZZZZZZ			14:27																				
ZZZZZZ			14:28																				
ZZZZZZ			14:29																				
ZZZZZZ			14:30																				
ZZZZZZ			14:32																				
CCV 460-113512/62			14:33																				
CCB 460-113512/63			14:34																				

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Instrument ID: NOEQUIP Method: 7196A

Start Date: 06/25/2012 12:49 End Date: 06/25/2012 12:49

Lab Sample ID	D / F	Type	Time	Analytes																			
				Cr3																			
460-40258-1	1	T	12:49	X																			
460-40258-2	1	T	12:49	X																			
460-40258-3	1	T	12:49	X																			
460-40258-4	1	T	12:49	X																			
460-40258-5	1	T	12:49	X																			
460-40258-6	1	T	12:49	X																			
460-40258-7	1	T	12:49	X																			
460-40258-8	1	T	12:49	X																			
460-40258-9	1	T	12:49	X																			
460-40258-10	1	T	12:49	X																			
460-40258-11	1	T	12:49	X																			
460-40258-13	1	T	12:49	X																			

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Instrument ID: WetHexSpec Method: 7196A

Start Date: 05/21/2012 13:39 End Date: 05/21/2012 17:15

Lab Sample ID	D/F	Type	Time	Analytes																			
				Cr6																			
IC 460-113337/1			13:39	X																			
IC 460-113337/2			13:39	X																			
IC 460-113337/3			13:39	X																			
IC 460-113337/4			13:39	X																			
IC 460-113337/5			13:39	X																			
IC 460-113337/6			13:39	X																			
ICV 460-113337/7	1		13:39	X																			
ICB 460-113337/8	1		13:39	X																			
MB 460-113332/1-A	1	T	15:39	X																			
LCSS 460-113332/2-A	1	T	15:39	X																			
LCSI 460-113332/3-A	50	T	15:39	X																			
460-40258-9	1	T	15:39	X																			
460-40258-9 DU	1	T	15:39	X																			
460-40258-9 MSS	1	T	15:39	X																			
460-40258-9 MSI	50	T	15:39	X																			
460-40258-9 PDS	1	T	15:39	X																			
460-40258-1	1	T	15:39	X																			
460-40258-2	1	T	15:39	X																			
CCV 460-113337/19	1		15:44	X																			
CCB 460-113337/20	1		15:44	X																			
460-40258-3	1	T	17:15	X																			
460-40258-4	1	T	17:15	X																			
460-40258-5	1	T	17:15	X																			
460-40258-6	1	T	17:15	X																			
460-40258-7	1	T	17:15	X																			
460-40258-8	1	T	17:15	X																			
460-40258-10	1	T	17:15	X																			
460-40258-11	1	T	17:15	X																			
460-40258-13	1	T	17:15	X																			
ZZZZZZ			17:15																				
CCV 460-113337/31	1		17:15	X																			
CCB 460-113337/32	1		17:15	X																			
ZZZZZZ			17:15																				
ZZZZZZ			17:15																				
ZZZZZZ			17:15																				
ZZZZZZ			17:15																				
ZZZZZZ			17:15																				
ZZZZZZ			17:15																				
ZZZZZZ			17:15																				
CCV 460-113337/40			17:15																				
CCB 460-113337/41			17:15																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Instrument ID: WetHexSpec Method: 7196A

Start Date: 05/21/2012 13:39 End Date: 05/21/2012 17:15

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 05/19/2012 10:17 End Date: 05/19/2012 10:27

Lab Sample ID	D/F	Type	Time	Analytes																			
				%Sol	Moist																		
ZZZZZZ			10:17																				
ZZZZZZ			10:17																				
ZZZZZZ			10:17																				
ZZZZZZ			10:17																				
ZZZZZZ			10:17																				
460-40258-11	1	T	10:17	X	X																		
ZZZZZZ			10:17																				
ZZZZZZ			10:17																				
ZZZZZZ			10:17																				
ZZZZZZ			10:17																				
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13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 05/19/2012 10:17 End Date: 05/19/2012 10:27

				Analytes																			
Lab Sample ID	D/F	Type	Time	%Sol	Moist																		
ZZZZZZ			10:17																				
ZZZZZZ			10:17																				
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ZZZZZZ			10:17																				
ZZZZZZ			10:17																				
ZZZZZZ			10:27																				

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison

Job No.: 460-40258-1

SDG No.:

Instrument ID: NOEQUIP

Method: Moisture

Start Date: 05/19/2012 11:59

End Date: 05/19/2012 13:02

Lab Sample ID	D/F	Type	Time	Analytes																			
				%Sol	Moist																		
ZZZZZZ			11:59																				
ZZZZZZ			11:59																				
ZZZZZZ			11:59																				
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13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 05/19/2012 11:59 End Date: 05/19/2012 13:02

Lab Sample ID	D / F	Type	Time	Analytes																				
				% Sol	Moist																			
ZZZZZZ			11:59																					
ZZZZZZ			11:59																					
ZZZZZZ			11:59																					
ZZZZZZ			11:59																					
ZZZZZZ			11:59																					
ZZZZZZ			11:59																					
ZZZZZZ			11:59																					
460-40258-13	1	T	11:59	X	X																			
460-40258-13 DU	1	T	13:02	X	X																			

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison
Job No.: 460-40258-1
SDG No.:
Instrument ID: NOEQUIP
Method: Moisture
Start Date: 05/19/2012 13:05
End Date: 05/19/2012 13:05

				Analytes																			
Lab Sample ID	D/F	Type	Time	% Sol	Moist																		
460-40258-12	1	T	13:05	X	X																		
460-40258-10	1	T	13:05	X	X																		
460-40258-9	1	T	13:05	X	X																		
460-40258-8	1	T	13:05	X	X																		
460-40258-7	1	T	13:05	X	X																		
460-40258-6	1	T	13:05	X	X																		
460-40258-5	1	T	13:05	X	X																		
460-40258-4	1	T	13:05	X	X																		
460-40258-3	1	T	13:05	X	X																		
460-40258-2	1	T	13:05	X	X																		
460-40258-1	1	T	13:05	X	X																		
ZZZZZZ			13:05																				
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13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison

Job No.: 460-40258-1

SDG No.:

Instrument ID: NOEQUIP

Method: Moisture

Start Date: 05/19/2012 13:05

End Date: 05/19/2012 13:05

Lab Sample ID	D/F	Type	Time	Analytes																			
				%Sol	Moist																		
ZZZZZZ			13:05																				
ZZZZZZ			13:05																				
ZZZZZZ			13:05																				
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ZZZZZZ			13:05																				
ZZZZZZ			13:05																				

Prep Types

T = Total/NA

OPERATOR: huan
ACQ. TIME: May 22, 2012 13:22:43
DATA FILENAME: C:\OMNION\DATA\CYANIDE\2012DA~1\C120522.FDT
METHOD FILENAME:
TRAY FILENAME:

TRAY DESCRIPTION:
Created: May 5, 2009 16:41:20
Modified: May 22, 2012 13:58:03
cyanide
DATA DESCRIPTION:
Created: May 22, 2012 13:22:43
Modified: May 22, 2012 13:22:43

Method - Ch. 1 (cyanide)

METHOD DESCRIPTION:
Created: Feb 8, 2007 12:27:16
Modified: May 21, 2012 10:11:48
cyanide

ANALYTE DATA:
Analyte Name: cyanide
Concentration Units: mg/l
Chemistry: Direct
Inject to Peak Start (s): 24.0
Peak Base Width (s): 33.472
% Width Tolerance: 100.000
Threshold: 25000.000
Autodilution Trigger: Off
QuikChem Method: 10-204-00-1-a

CALIBRATION DATA:
Levels:
1 : 0.000 2 : 0.010 3 : 0.025 4 : 0.050
5 : 0.100 6 : 0.200 7 : 0.400
Calibration Rep Handling: Average
Calibration Fit Type: 1st Order Poly
Force Though Zero: No
Weighting Method: 1/X
Concentration Scaling: None

SAMPLER TIMING:
Method Cycle Period: 70.0
Min. Probe in Wash Period: 14.0
Probe in Sample Period: 20.0

*** Prep Sequence Not Enabled ***

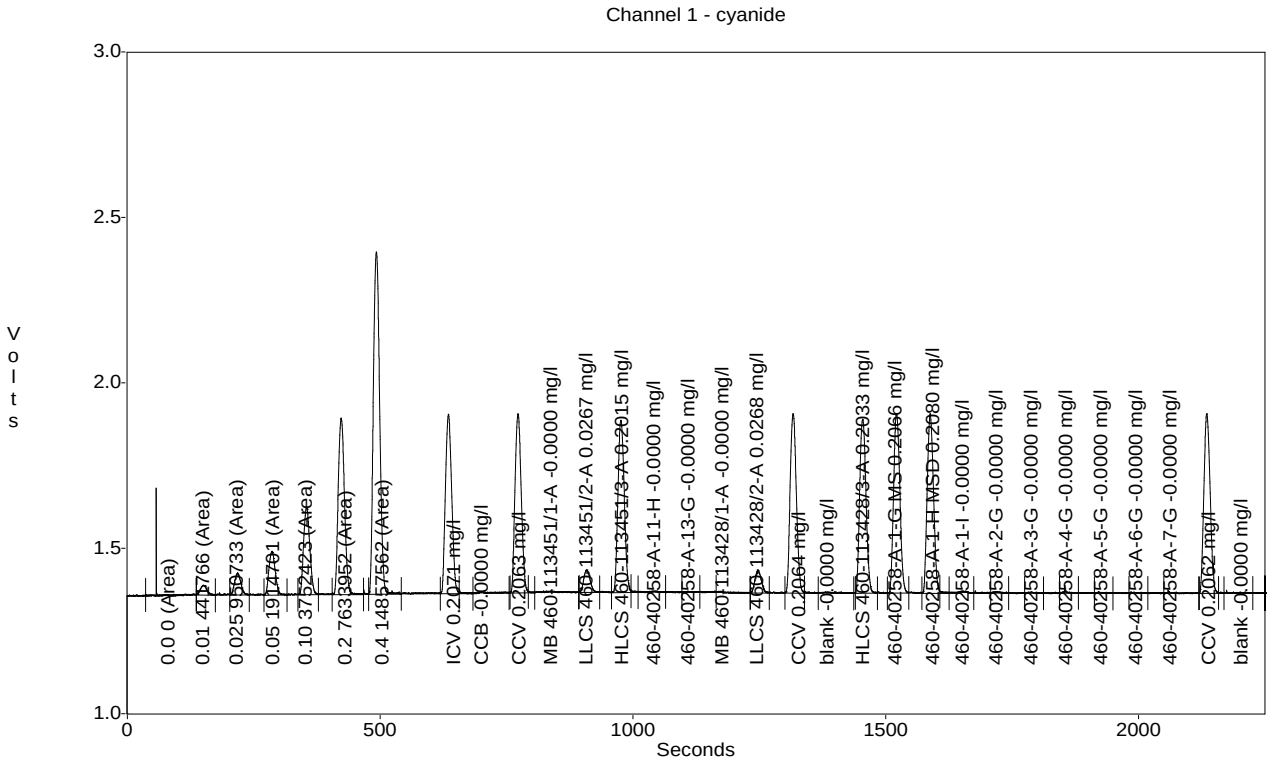
VALVE TIMING:
Method Cycle Period: 70.0
Sample Reaches 1st Valve: 30.0
Valve: On
Load Time: 0.0
Load Period: 15.0
Inject Period: 55.0

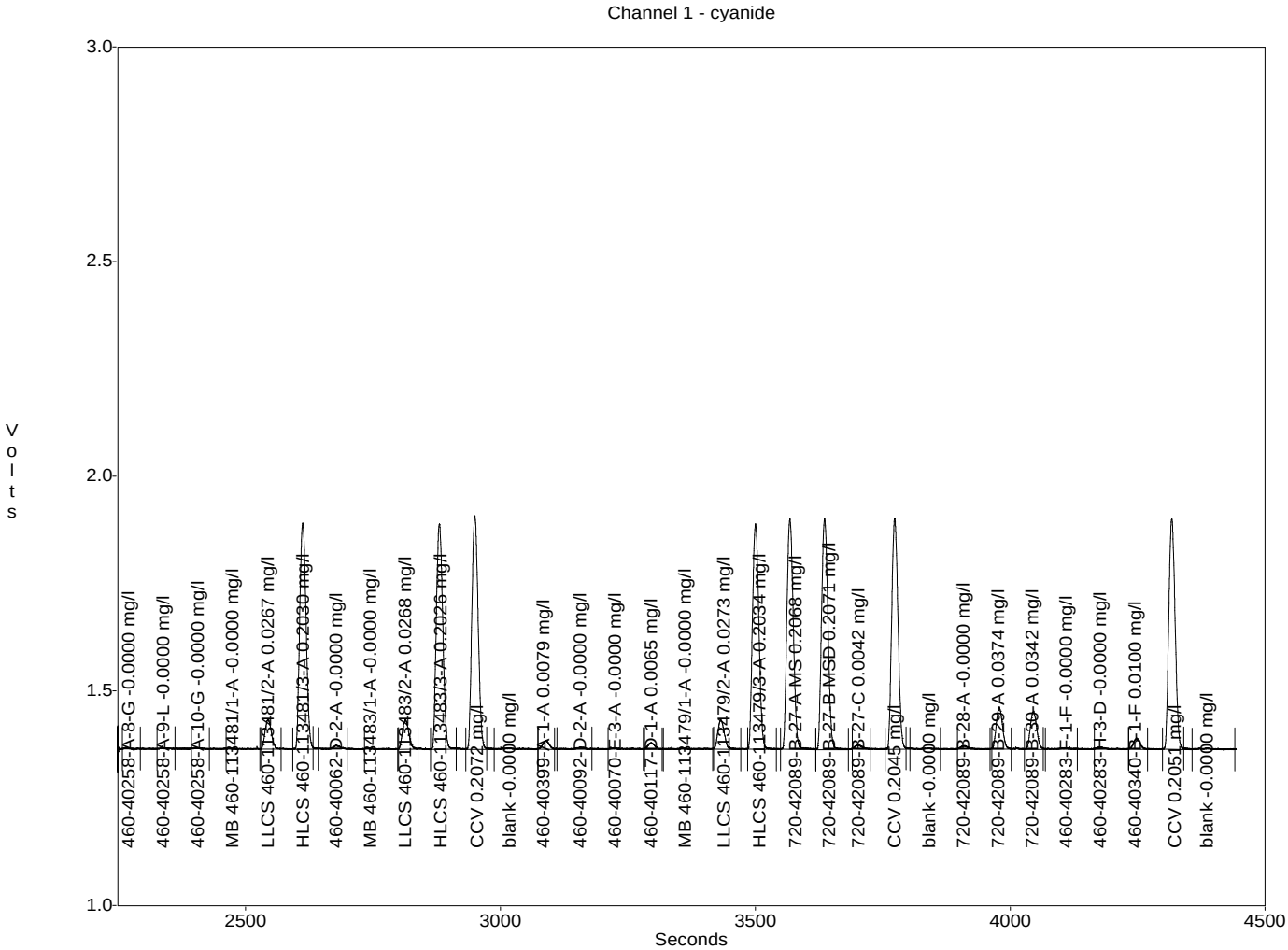
Multi-Channel Table
Type: Calibration Standards
Channel Range: 1 to 8 -- Cup Range: 1 to 50

Cup	Sample ID	Sampling Date	Sampling Time	# of Reps	cyanide (uv-s)	Man Dil Factor	Auto Dil Factor	Weight	Unit
1	0.0	22 May 2012	13:22:44	1	0.00	1.0	1.00	1.00000	g
2	0.01	22 May 2012	13:23:51	1	441766.00	1.0	1.00	1.00000	g
3	0.025	22 May 2012	13:24:59	1	950733.00	1.0	1.00	1.00000	g
4	0.05	22 May 2012	13:26:07	1	1914701.00	1.0	1.00	1.00000	g
5	0.10	22 May 2012	13:27:15	1	3752423.00	1.0	1.00	1.00000	g
6	0.2	22 May 2012	13:28:24	1	7633952.00	1.0	1.00	1.00000	g
7	0.4	22 May 2012	13:29:33	1	14857562.00	1.0	1.00	1.00000	g

Multi-Channel Table
Type: Unknowns
Channel Range: 1 to 8 -- Cup Range: 1 to 50

Cup	Sample ID	Sampling Date	Sampling Time	# of Reps	cyanide (mg/l)	Man Dil Factor	Auto Dil Factor	Weight	Unit
1	ICV	22 May 2012	13:31:56	1	0.2071	1.0	1.00	1.00000	g
2	CCB	22 May 2012	13:33:05	1	-0.0000	1.0	1.00	1.00000	g
3	CCV	22 May 2012	13:34:13	1	0.2063	1.0	1.00	1.00000	g
4	MB 460-113451/1-A	22 May 2012	13:35:21	1	-0.0000	1.0	1.00	1.00000	g
5	LLCS 460-113451/2-A	22 May 2012	13:36:29	1	0.0267	1.0	1.00	1.00000	g
6	HLCS 460-113451/3-A	22 May 2012	13:37:37	1	0.2015	1.0	1.00	1.00000	g
7	460-40258-A-11-H	22 May 2012	13:38:45	1	-0.0000	1.0	1.00	1.00000	g
8	460-40258-A-13-G	22 May 2012	13:39:52	1	-0.0000	1.0	1.00	1.00000	g
9	MB 460-113428/1-A	22 May 2012	13:41:00	1	-0.0000	1.0	1.00	1.00000	g
10	LLCS 460-113428/2-A	22 May 2012	13:42:08	1	0.0268	1.0	1.00	1.00000	g
11	HLCS 460-113428/3-A	22 May 2012	13:45:35	1	0.2033	1.0	1.00	1.00000	g
12	460-40258-A-1-G MS	22 May 2012	13:46:42	1	0.2066	1.0	1.00	1.00000	g
13	460-40258-A-1-H MSD	22 May 2012	13:47:48	1	0.2080	1.0	1.00	1.00000	g
14	460-40258-A-1-I	22 May 2012	13:48:55	1	-0.0000	1.0	1.00	1.00000	g
15	460-40258-A-2-G	22 May 2012	13:50:02	1	-0.0000	1.0	1.00	1.00000	g
16	460-40258-A-3-G	22 May 2012	13:51:11	1	-0.0000	1.0	1.00	1.00000	g
17	460-40258-A-4-G	22 May 2012	13:52:20	1	-0.0000	1.0	1.00	1.00000	g
18	460-40258-A-5-G	22 May 2012	13:53:29	1	-0.0000	1.0	1.00	1.00000	g
19	460-40258-A-6-G	22 May 2012	13:54:37	1	-0.0000	1.0	1.00	1.00000	g
20	460-40258-A-7-G	22 May 2012	13:55:46	1	-0.0000	1.0	1.00	1.00000	g
21	460-40258-A-8-G	22 May 2012	13:59:14	1	-0.0000	1.0	1.00	1.00000	g
22	460-40258-A-9-L	22 May 2012	14:00:22	1	-0.0000	1.0	1.00	1.00000	g
23	460-40258-A-10-G	22 May 2012	14:01:30	1	-0.0000	1.0	1.00	1.00000	g
24	MB 460-113481/1-A	22 May 2012	14:02:37	1	-0.0000	1.0	1.00	1.00000	g
25	LLCS 460-113481/2-A	22 May 2012	14:03:45	1	0.0267	1.0	1.00	1.00000	g
26	HLCS 460-113481/3-A	22 May 2012	14:04:53	1	0.2030	1.0	1.00	1.00000	g
27	460-40062-D-2-A	22 May 2012	14:06:01	1	-0.0000	1.0	1.00	1.00000	g
28	MB 460-113483/1-A	22 May 2012	14:07:08	1	-0.0000	1.0	1.00	1.00000	g
29	LLCS 460-113483/2-A	22 May 2012	14:08:14	1	0.0268	1.0	1.00	1.00000	g
30	HLCS 460-113483/3-A	22 May 2012	14:09:21	1	0.2026	1.0	1.00	1.00000	g
31	460-40399-A-1-A	22 May 2012	14:12:50	1	0.0079	1.0	1.00	1.00000	g
32	460-40092-D-2-A	22 May 2012	14:13:59	1	-0.0000	1.0	1.00	1.00000	g
33	460-40070-E-3-A	22 May 2012	14:15:08	1	-0.0000	1.0	1.00	1.00000	g
34	460-40117-D-1-A	22 May 2012	14:16:17	1	0.0065	1.0	1.00	1.00000	g
35	MB 460-113479/1-A	22 May 2012	14:17:25	1	-0.0000	1.0	1.00	1.00000	g
36	LLCS 460-113479/2-A	22 May 2012	14:18:33	1	0.0273	1.0	1.00	1.00000	g
37	HLCS 460-113479/3-A	22 May 2012	14:19:41	1	0.2034	1.0	1.00	1.00000	g
38	720-42089-B-27-A MS	22 May 2012	14:20:49	1	0.2068	1.0	1.00	1.00000	g
39	720-42089-B-27-B MSD	22 May 2012	14:21:57	1	0.2071	1.0	1.00	1.00000	g
40	720-42089-B-27-C	22 May 2012	14:23:04	1	0.0042	1.0	1.00	1.00000	g
41	720-42089-B-28-A	22 May 2012	14:26:31	1	-0.0000	1.0	1.00	1.00000	g
42	720-42089-B-29-A	22 May 2012	14:27:39	1	0.0374	1.0	1.00	1.00000	g
43	720-42089-B-30-A	22 May 2012	14:28:46	1	0.0342	1.0	1.00	1.00000	g
44	460-40283-F-1-F	22 May 2012	14:29:53	1	-0.0000	1.0	1.00	1.00000	g
45	460-40283-H-3-D	22 May 2012	14:30:59	1	-0.0000	1.0	1.00	1.00000	g
46	460-40340-B-1-F	22 May 2012	14:32:08	1	0.0100	1.0	1.00	1.00000	g


Channel 1 - cyanide
Volts
Seconds
0.0 0 (Area)
0.01 44766 (Area)
0.025 95733 (Area)
0.05 191701 (Area)
0.10 375423 (Area)
0.2 763952 (Area)
0.4 1485762 (Area)
ICV 0.2071 mg/l
CCB -0.0000 mg/l
CCV 0.2063 mg/l
MB 460-113451/1-A -0.0000 mg/l
LLCS 460-113451/2-A 0.0267 mg/l
HLCS 460-113451/3-A 0.2015 mg/l
460-40258-A-11-H -0.0000 mg/l
460-40258-A-13-G -0.0000 mg/l
MB 460-113428/1-A -0.0000 mg/l
LLCS 460-113428/2-A 0.0268 mg/l
CCV 0.2064 mg/l
blank -0.0000 mg/l
HLCS 460-113428/3-A 0.2033 mg/l
460-40258-A-1-G MS 0.2066 mg/l
460-40258-A-1-H MSD 0.2080 mg/l
460-40258-A-1-I -0.0000 mg/l
460-40258-A-2-G -0.0000 mg/l
460-40258-A-3-G -0.0000 mg/l
460-40258-A-4-G -0.0000 mg/l
460-40258-A-5-G -0.0000 mg/l
460-40258-A-6-G -0.0000 mg/l
460-40258-A-7-G -0.0000 mg/l
CCV 0.2062 mg/l
blank -0.0000 mg/l


Channel 1 - cyanide
Volts
Seconds
460-40258-A-8-G -0.0000 mg/l
460-40258-A-9-L -0.0000 mg/l
460-40258-A-10-G -0.0000 mg/l
MB 460-113481/1-A -0.0000 mg/l
LLCS 460-113481/2-A 0.0267 mg/l
HLCS 460-113481/3-A 0.2030 mg/l
460-40062-D-2-A -0.0000 mg/l
MB 460-113483/1-A -0.0000 mg/l
LLCS 460-113483/2-A 0.0268 mg/l
HLCS 460-113483/3-A 0.2026 mg/l
CCV 0.2072 mg/l
blank -0.0000 mg/l
460-40399-A-1-A 0.0079 mg/l
460-40092-D-2-A -0.0000 mg/l
460-40070-F-3-A -0.0000 mg/l
460-40117-D-1-A 0.0065 mg/l
MB 460-113479/1-A -0.0000 mg/l
LLCS 460-113479/2-A 0.0273 mg/l
HLCS 460-113479/3-A 0.2034 mg/l
720-42089-B-27-A MS 0.2068 mg/l
720-42089-B-27-B MSD 0.2071 mg/l
720-42089-B-27-C 0.0042 mg/l
CCV 0.2045 mg/l
blank -0.0000 mg/l
720-42089-B-28-A -0.0000 mg/l
720-42089-B-29-A 0.0374 mg/l
720-42089-B-30-A 0.0342 mg/l
460-40283-F-1-F -0.0000 mg/l
460-40283-H-3-D -0.0000 mg/l
460-40340-B-1-F 0.0100 mg/l
CCV 0.2051 mg/l
blank -0.0000 mg/l

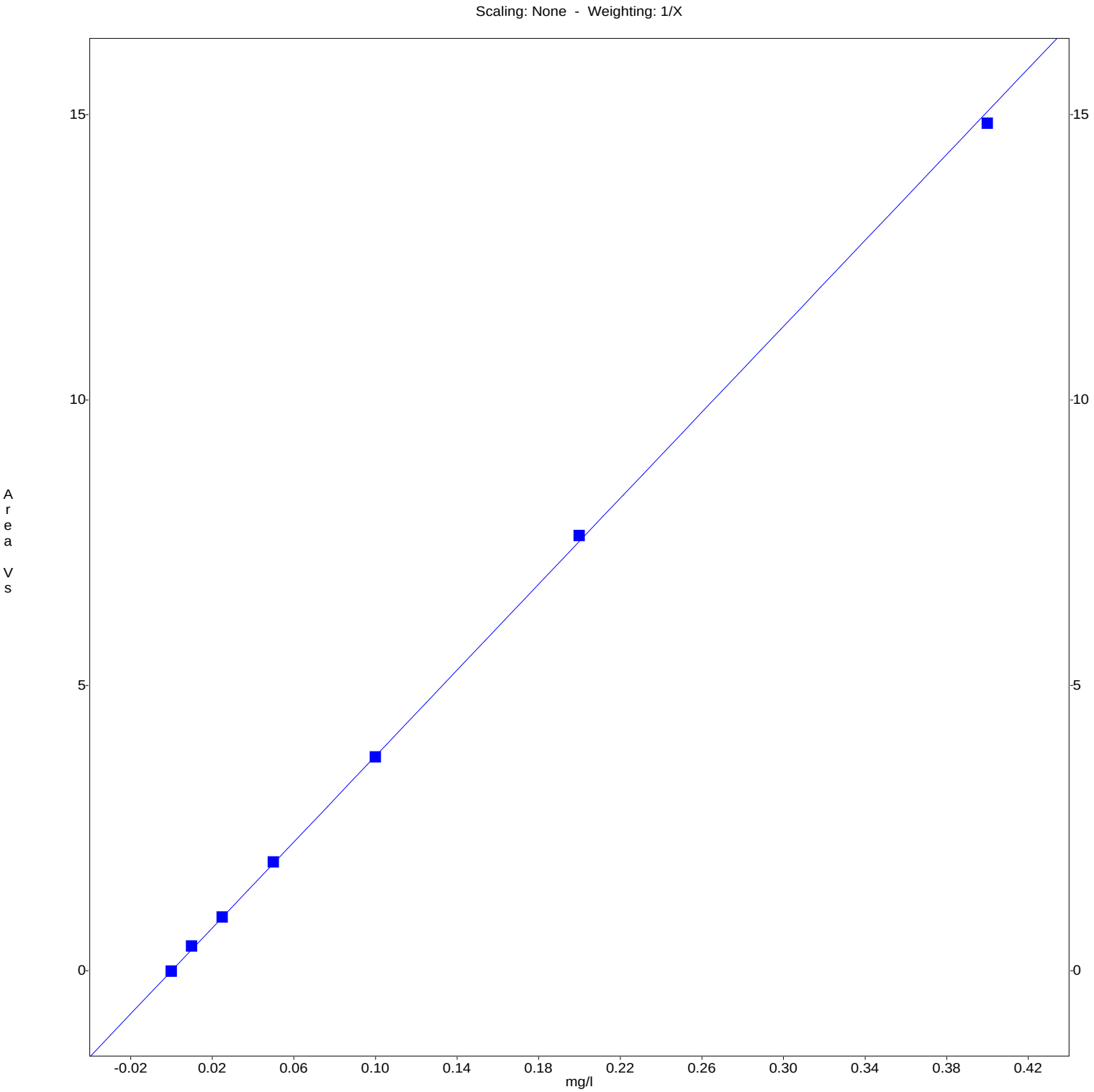
Multi-Channel Table
Type: DQM
Channel Range: 1 to 8 -- Cup Range: 1 to 50

Cup	Sample ID	Sample Type	Sampling Date	Sampling Time	Rep #	cyanide (mg/l)	Man Dil Factor	Auto Dil Factor	Weight	Unit
15	CCV	RelChkStd	22 May 2012	13:43:17	1	0.2064	1.0	1.00	1.00000	g
					Known Concentration:	0.2000				
					% Difference:	3.2029				
15	CCV	RelChkStd	22 May 2012	13:56:55	1	0.2062	1.0	1.00	1.00000	g
					Known Concentration:	0.2000				
					% Difference:	3.1037				
15	CCV	RelChkStd	22 May 2012	14:10:31	1	0.2072	1.0	1.00	1.00000	g
					Known Concentration:	0.2000				
					% Difference:	3.6116				
15	CCV	RelChkStd	22 May 2012	14:24:14	1	0.2045	1.0	1.00	1.00000	g
					Known Concentration:	0.2000				
					% Difference:	2.2463				
15	CCV	RelChkStd	22 May 2012	14:33:18	1	0.2051	1.0	1.00	1.00000	g
					Known Concentration:	0.2000				
					% Difference:	2.5260				
16	blank	Blank	22 May 2012	13:44:28	1	-0.0000	1.0	1.00	1.00000	g
16	blank	Blank	22 May 2012	13:58:06	1	-0.0000	1.0	1.00	1.00000	g
16	blank	Blank	22 May 2012	14:11:41	1	-0.0000	1.0	1.00	1.00000	g
16	blank	Blank	22 May 2012	14:25:24	1	-0.0000	1.0	1.00	1.00000	g
16	blank	Blank	22 May 2012	14:34:28	1	-0.0000	1.0	1.00	1.00000	g

cyanide

Lvl	Area	mg/l	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Replic STD	Replic % RSD	Residual 1st Poly
1	0	0.000	0					0.0	0.0	
2	441766	0.010	441766					0.0	0.0	-17.4
3	950733	0.025	950733					0.0	0.0	-1.0
4	1914701	0.050	1914701					0.0	0.0	-1.7
5	3752423	0.100	3752423					0.0	0.0	0.3
6	7633952	0.200	7633952					0.0	0.0	-1.4
7	14857562	0.400	14857562					0.0	0.0	1.3

1st Order Poly
Conc = 2.656e-008 Area - 4.569e-009
r = 0.9998



JOB # 40258-40288-40537-40340-40380-40421-4458

BATCH # 113337

SAMPLE	DIL.	ABS.	BG-PH	T.PH-T.READ.	FINAL PH
0.00		0.000		13:20-13:29	1.73
0.05		0.039			1.74
0.10		0.082			2.01
0.50		0.400			1.69
0.75		0.604			1.81
1.25		0.976			1.94
ICV		0.411		↓	2.00
ICB		0.000		13:24-13:39	1.85
MB		0.001		15:11-15:24	2.16
LCSS	M 5/21/12	~~0.284~~ 0.452			2.05
LCSI		0.284			1.67
40258-9		0.000	0.000-1.68		1.69
40258-9 DUP		0.002	0.001-2.03		2.01
40258-9 MSS		0.699	0.001-1.76		1.99
40258-9 MSI		0.289	0.000-2.03		1.68
40258-9 PDS		0.779	0.000-1.68		1.88
40258-1		0.000	0.000-2.02	↓	2.08
40258-2		0.001	0.000-1.76	15:19-15:39	2.00
CCV		0.407		15:40-15:43	2.00
CCB		0.000		15:42-15:44	1.85
40258-3		0.000	0.000-1.73	16:32-16:56	2.06
40258-4		0.000	0.000-1.80		1.86
40258-5		0.000	0.000-2.02		1.68
40258-6		0.003	0.000-2.00		1.73
40258-7		0.000	0.000-1.67		1.64
40258-8		0.000	0.000-1.79		1.76
40258-10		0.001	0.001-2.01		1.80
40258-11		0.000	0.000-1.83		1.82
40258-13		0.001	0.000-1.96	↓	1.66

Continued on Page

Read and Understood By

M 05/21/12

Signed Date Signed Date

SAMPLE	DIL.	ABS.	BG-PH	TPH-T.READ	FINAL PH
40283-1		0.010	0.009 - 2.08		1.68
CCV		0.396			2.00 / 1.81 ML
CCB		0.000			1.85 / 1.74 05/21/12
40283-3		0.000	0.000 - 2.00		1.92
40337-2		0.042	0.042 - 1.65		2.00
40340-1		0.029	0.027 - 1.69		1.64
40337-1		0.021	0.019 - 1.65		1.74
40380-1		0.000	0.000 - 2.07		1.83
40421-1		0.031	0.031 - 1.82		1.81
450-4458-1		0.007	0.002 - 1.80		1.74
CCV		0.394			2.09
CCB		0.000		16:45 - 17:15	1.85

ML 05/21/12

Continued on Page

Read and Understood By

ML 05/21/12

Signed Date Signed Date

PROJECT CR6+ PREPLOG-Book

Notebook No. 06259

Continued From Page

JOB # 40258 - 40283 - 40337 - 40340 - 40380 - 40421 - 4458

BATCH # 113332

SAMPLE	SAMPLE WT (g)	COLOR	INITIAL PH	TIME
0.00			7.67	12:55
0.05			7.86	
0.10			7.79	
0.50			7.93	
0.75			7.90	
1.25			7.82	
ICV			7.85	
ICB			7.91	13:04
MB			7.48	14:45
LCSS			7.76	
LCSI			7.65	
40258-9	2.50	Clear	7.23	
40258-9 DUP	2.50	Clear	7.89	
40258-9 MSS	2.50	Clear	7.77	
40258-9 MSI	2.50	~~Clear~~ Yellow ML 5/21/12	7.90	
40258-1	2.53	Clear	7.92	
40258-2	2.55	slightly brown	7.75	
CCV			7.85	
CCB			7.91	14:59
40258-3	2.57	Clear	7.58	16:00
40258-4	2.47	Clear	7.93	
40258-5	2.50	Clear	7.09	
40258-6	2.54	Clear	7.86	
40258-7	2.58	Clear	7.94	
40258-8	2.50	Clear	7.23	
40258-10	2.53	light gold	7.11	
40258-11	2.55	Clear	7.79	
40258-13	2.54	Clear	7.90	
~~40258~~ 40283-1	2.59	Clear	7.94	

ML 05/21/12

Continued on Page

Read and Understood By

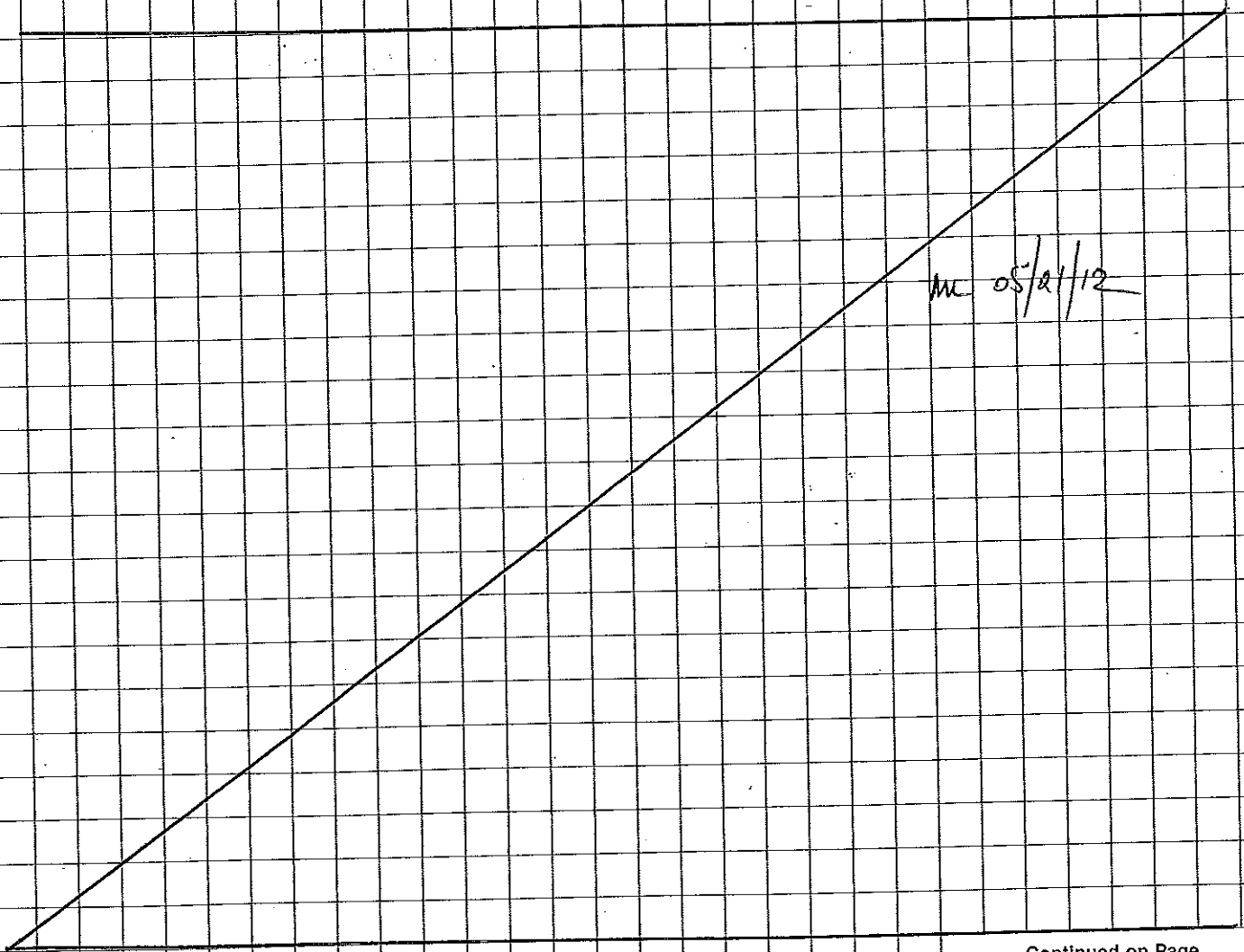
ML — Signed

05/21/12 — Date

Signed

Date

SAMPLE	SAMPLE WT (g)	COLOR	INITIAL PH	TIME
CCV			7.85	
CCB			7.91	
40283-3	2.51	Clear	7.79	
40337-2	2.44	Brown	7.87	
40340-1	2.53	Brown	7.91	
40337-1	2.44	Brown	7.92	
40380-1	2.44	Clear	7.34	
40421-1	2.47	Brown	7.46	
450-4458-1	2.58	Gold	7.97	
CCV			7.85	
CCB			7.91	16:21



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Read and Understood By

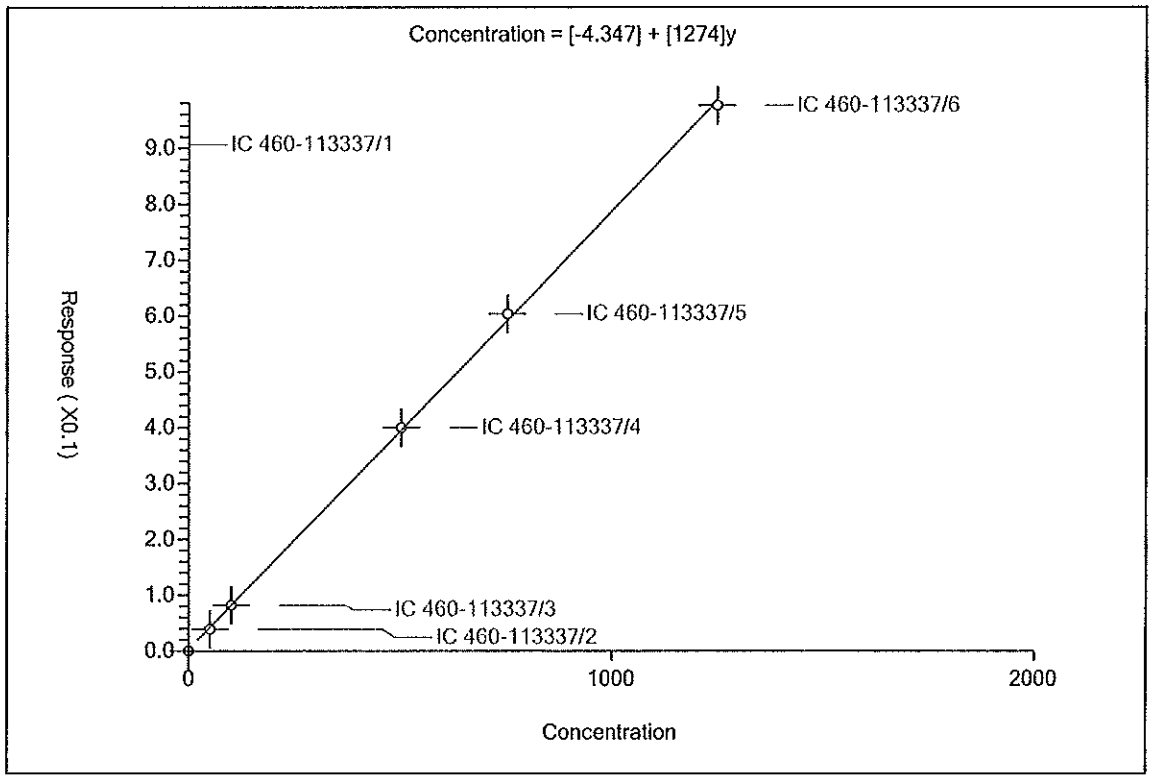
Signed	Date	Signed	Date
MC	05/21/12		

Curve Type:	Linear
Weighting:	None
Origin:	None
Dependency:	Concentration
Calib Mode:	ESTD
RF Rounding:	0

Curve Coefficients	
Intercept:	-4.347
Slope:	1274

Error Coefficients	
Standard Error:	10.2
Relative Standard Error:	NC
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000 (1.000)

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 460-113337/10.0		0.0			NaN	Y
2	IC 460-113337/250.0		0.039			0.00078	Y
3	IC 460-113337/3100.0		0.082			0.00082	Y
4	IC 460-113337/4500.0		0.4			0.0008	Y
5	IC 460-113337/5750.0		0.604			0.000805	Y
6	IC 460-113337/61250.0		0.976			0.000781	Y



Dilution Form
Wet Chemistry

Method No.: 7196 A
Prep Batch: 113332
Analytical Batch: 113337

Analyst: Mamadou Leye
Analysis Date: 05/21/12

Job/Sample Number	Dilution Factor	Sample Volume (ml)	Final Volume (ml)	Diluent
40258-9 MSI	50x	1	50	DI

EDS-WI-101, Rev 0
05/24/11

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Batch Number: 113428 Batch Start Date: 05/22/12 07:30 Batch Analyst: Afremova, Izabella

Batch Method: 9012A Batch End Date: 05/22/12 10:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	WTcnIM1 00678	WTcnIM2 00835		
MB 460-113428/1		9012A, 9012A		1.0 g	50.0 mL				
LLCS 460-113428/2		9012A, 9012A		1.0 g	50.0 mL		0.25 mL		
HLCS 460-113428/3		9012A, 9012A		1.0 g	50.0 mL	1 mL			
460-40258-A-1 MS	DB-1 23-23.5'	9012A, 9012A	T	1.0 g	50.0 mL	1 mL			
460-40258-A-1 MSD	DB-1 23-23.5'	9012A, 9012A	T	1.0 g	50.0 mL	1 mL			
460-40258-A-1	DB-1 23-23.5'	9012A, 9012A	T	1.0 g	50.0 mL				
460-40258-A-2	DB-1 34.5-35'	9012A, 9012A	T	1.0 g	50.0 mL				
460-40258-A-3	DB-2 13.5-14'	9012A, 9012A	T	1.0 g	50.0 mL				
460-40258-A-4	DB-2 34.5-35'	9012A, 9012A	T	1.0 g	50.0 mL				
460-40258-A-5	DB-3 20.5-21'	9012A, 9012A	T	1.0 g	50.0 mL				
460-40258-A-6	DB-3 30.5-31'	9012A, 9012A	T	1.0 g	50.0 mL				
460-40258-A-7	DB-5 21-21.5'	9012A, 9012A	T	1.0 g	50.0 mL				
460-40258-A-8	DB-5 35-35.5'	9012A, 9012A	T	1.0 g	50.0 mL				
460-40258-A-9	DB-5 49.5-50'	9012A, 9012A	T	1.0 g	50.0 mL				
460-40258-A-10	DB-6 15-15.5'	9012A, 9012A	T	1.0 g	50.0 mL				

Batch Notes	
Distillation Temperature	125 Degrees C
Magnesium Chloride Lot Number	ALFA Aesar/K13R006
Sodium Hydroxide Reagent ID Number	# C - 8127-12 exp.10/30/12
Sulfamic Acid Reagent ID Number	# C - 8158-12 3xp.11/07/12
Sulfuric Acid Reagent ID Number	# C - 8159-12 exp.11-07/12

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Batch Number: 113451 Batch Start Date: 05/22/12 07:30 Batch Analyst: Afremova, Izabella

Batch Method: 9012A Batch End Date: 05/22/12 10:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	WTcnIM1 00678	WTcnIM2 00835		
MB 460-113451/1		9012A, 9012A		1.0 g	50.0 mL				
LLCS 460-113451/2		9012A, 9012A		1.0 g	50.0 mL		0.25 mL		
HLCS 460-113451/3		9012A, 9012A		1.0 g	50.0 mL	1 mL			
460-40258-A-11	DB-6 29.5-30'	9012A, 9012A	T	1.0 g	50.0 mL				
460-40258-A-13	DB-6 39.5-40'	9012A, 9012A	T	1.0 g	50.0 mL				

Batch Notes	
Distillation Temperature	125 Degrees C
Magnesium Chloride Lot Number	ALFA Aesar/K13R006
Sodium Hydroxide Reagent ID Number	# C - 8127-12 exp.10/30/12
Sulfamic Acid Reagent ID Number	# C - 8158-12 exp.11/07/12
Sulfuric Acid Reagent ID Number	# C - 8159-12 exp.11/07/12

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Batch Number: 113479 Batch Start Date: 05/22/12 10:30 Batch Analyst: Afremova, Izabella

Batch Method: 9012A Batch End Date: 05/22/12 14:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount				
MB 460-113479/1		9012A, 9012A		1.0 g	50.0 mL				

Batch Notes	
Distillation Temperature	125 Degrees C
Magnesium Chloride Lot Number	ALFA Aesar/K13R006
Sodium Hydroxide Reagent ID Number	# C - 8127-12 exp.10/30/12
Sulfamic Acid Reagent ID Number	# C - 8158-12 exp.11/07/12
Sulfuric Acid Reagent ID Number	# C - 8159-12 exp.11/07/12

Basis	Basis Description

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Batch Number: 113512 Batch Start Date: 05/22/12 13:22 Batch Analyst: Vu, Huan

Batch Method: 9012A Batch End Date: 05/22/12 15:22

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	WTcnIM3 00698				
ICV 460-113512/8		9012A		100 mL	2 mL				
CCV 460-113512/10		9012A		100 mL	2 mL				
CCV 460-113512/18		9012A		100 mL	2 mL				
CCV 460-113512/30		9012A		100 mL	2 mL				
CCV 460-113512/42		9012A		100 mL	2 mL				
CCV 460-113512/54		9012A		100 mL	2 mL				

Batch Notes	
Batch Comment	B(03208-03214)-12 CAL exp;05/22/12
Buffer Reagent ID Number	C-8194-12 exp;06/16/12
Chloramine-T Reagent ID Number	C-8218-12 exp;05/22/12
First End time	B(03215)-12 : CCV exp;05/22/12
NaOH Lot #	C-8207-12 exp;11/18/12
Pyridine-Barbituric Acid Reagent ID	C-8193-12 exp;05/23/12

Basis	Basis Description

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Batch Number: 113332 Batch Start Date: 05/21/12 11:30 Batch Analyst: Leye, Mamadou

Batch Method: 3060A Batch End Date: 05/21/12 12:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	Final pH	WThcrIM 00035	WThcrPbCr 00004
MB 460-113332/1		3060A, 7196A		2.50 g	100 mL	7..48 SU	2.16 SU		
LCSS 460-113332/2		3060A, 7196A		2.50 g	100 mL	7.76 SU	2.05 SU		
LCSI 460-113332/3		3060A, 7196A		2.50 g	100 mL	7.65 SU	1.67 SU		0.011 g
460-40258-A-9	DB-5 49.5-50'	3060A, 7196A	T	2.50 g	100 mL	7.23 SU	1.69 SU		
460-40258-A-9 DU	DB-5 49.5-50'	3060A, 7196A	T	2.50 g	100 mL	7.89 SU	2.01 SU		
460-40258-A-9 MSS	DB-5 49.5-50'	3060A, 7196A	T	2.50 g	100 mL	7.77 SU	1.98 SU	1 mL	
460-40258-A-9 MSI	DB-5 49.5-50'	3060A, 7196A	T	2.50 g	100 mL	7.90 SU	1.68 SU		0.011 g
460-40258-A-1	DB-1 23-23.5'	3060A, 7196A	T	2.53 g	100 mL	7.92 SU	2.08 SU		
460-40258-A-2	DB-1 34.5-35'	3060A, 7196A	T	2.55 g	100 mL	7.75 SU	2.00 SU		
460-40258-A-3	DB-2 13.5-14'	3060A, 7196A	T	2.57 g	100 mL	7.58 SU	2.06 SU		
460-40258-A-4	DB-2 34.5-35'	3060A, 7196A	T	2.47 g	100 mL	7.93 SU	1.86 SU		
460-40258-A-5	DB-3 20.5-21'	3060A, 7196A	T	2.50 g	100 mL	7.09 SU	1.68 SU		
460-40258-A-6	DB-3 30.5-31'	3060A, 7196A	T	2.54 g	100 mL	7.86 SU	1.73 SU		
460-40258-A-7	DB-5 21-21.5'	3060A, 7196A	T	2.58 g	100 mL	7.94 SU	1.64 SU		
460-40258-A-8	DB-5 35-35.5'	3060A, 7196A	T	2.50 g	100 mL	7.23 SU	1.76 SU		
460-40258-A-10	DB-6 15-15.5'	3060A, 7196A	T	2.53 g	100 mL	7.11 SU	1.80 SU		
460-40258-A-11	DB-6 29.5-30'	3060A, 7196A	T	2.55 g	100 mL	7.79 SU	1.82 SU		
460-40258-A-13	DB-6 39.5-40'	3060A, 7196A	T	2.54 g	100 mL	7.90 SU	1.66 SU		

Lab Sample ID	Client Sample ID	Method Chain	Basis	WThcrsLCS 00058	AnalysisComment				
MB 460-113332/1		3060A, 7196A							
LCSS 460-113332/2		3060A, 7196A		5 mL					
LCSI 460-113332/3		3060A, 7196A			digestate appearance:				
460-40258-A-9	DB-5 49.5-50'	3060A, 7196A	T		clear				
460-40258-A-9 DU	DB-5 49.5-50'	3060A, 7196A	T		clear				
460-40258-A-9 MSS	DB-5 49.5-50'	3060A, 7196A	T		clear				
460-40258-A-9 MSI	DB-5 49.5-50'	3060A, 7196A	T		yellow				
460-40258-A-1	DB-1 23-23.5'	3060A, 7196A	T		clear				

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Batch Number: 113332 Batch Start Date: 05/21/12 11:30 Batch Analyst: Leye, Mamadou

Batch Method: 3060A Batch End Date: 05/21/12 12:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	WThcrsLCS 00058	AnalysisComment				
460-40258-A-2	DB-1 34.5-35'	3060A, 7196A	T		slightly brown				
460-40258-A-3	DB-2 13.5-14'	3060A, 7196A	T		clear				
460-40258-A-4	DB-2 34.5-35'	3060A, 7196A	T		clear				
460-40258-A-5	DB-3 20.5-21'	3060A, 7196A	T		clear				
460-40258-A-6	DB-3 30.5-31'	3060A, 7196A	T		clear				
460-40258-A-7	DB-5 21-21.5'	3060A, 7196A	T		clear				
460-40258-A-8	DB-5 35-35.5'	3060A, 7196A	T		clear				
460-40258-A-10	DB-6 15-15.5'	3060A, 7196A	T		light gold				
460-40258-A-11	DB-6 29.5-30'	3060A, 7196A	T		clear				
460-40258-A-13	DB-6 39.5-40'	3060A, 7196A	T		clear				

Batch Notes	
Alkaline Digestion Solution Reagent ID	c8191-12 exp 06/16/12
Batch Comment	Temp. after 30 min . 94.0 deg . C
First End time	12:30
Potassium Phosphate Buffer Reagent ID	c8132-12 exp 11/01/12
Lead Chromate Lot #	BCBC2419
Lead Chromate Vendor ID	Aldrich
Magnesium Chloride Lot Number	2832C159
Magnesium Chloride Vendor	AMRESCO
First Start time	11:30
Ending Temperature	94.0 Celsius
Starting Temperature	94.1 Celsius

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Batch Number: 113337 Batch Start Date: 05/21/12 13:20 Batch Analyst: Leye, Mamadou

Batch Method: 7196A Batch End Date: 05/21/12 17:15

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	ColorBlk	UnCorResp	CalcMsg	WThcrIM 00035	WThcrIM3 00018
IC 460-113337/1		7196A		100 mL		0.000 Absorbance	OK w/o Correction		
IC 460-113337/2		7196A		100 mL		0.039 Absorbance	OK w/o Correction	0.05 mL	
IC 460-113337/3		7196A		100 mL		0.082 Absorbance	OK w/o Correction	0.1 mL	
IC 460-113337/4		7196A		100 mL		0.400 Absorbance	OK w/o Correction	0.5 mL	
IC 460-113337/5		7196A		100 mL		0.604 Absorbance	OK w/o Correction	0.75 mL	
IC 460-113337/6		7196A		100 mL		0.976 Absorbance	OK w/o Correction	1.25 mL	
ICV 460-113337/7		7196A		100 mL		0.411 Absorbance	OK w/o Correction		0.5 mL
ICB 460-113337/8		7196A		100 mL		0.000 Absorbance	OK w/o Correction		
MB 460-113332/1-A		7196A		100 mL		0.001 Absorbance	OK w/o Correction		
LCSS 460-113332/2-A		7196A		100 mL		0.452 Absorbance	OK w/o Correction		
LCSI 460-113332/3-A		7196A		100 mL		0.284 Absorbance	OK w/o Correction		
460-40258-A-9-H	DB-5 49.5-50'	7196A	T	100 mL	0.000 Absorbance	0.000 Absorbance	OK		
460-40258-A-9-I DU	DB-5 49.5-50'	7196A	T	100 mL	0.001 Absorbance	0.002 Absorbance	OK		
460-40258-A-9-J MSS	DB-5 49.5-50'	7196A	T	100 mL	0.001 Absorbance	0.699 Absorbance	OK		
460-40258-A-9-K MSI	DB-5 49.5-50'	7196A	T	100 mL	0.000 Absorbance	0.289 Absorbance	OK		
460-40258-A-9-H PDS	DB-5 49.5-50'	7196A	T	50 mL	0.000 Absorbance	0.779 Absorbance	OK	0.5 mL	
460-40258-A-1-F	DB-1 23-23.5'	7196A	T	100 mL	0.000 Absorbance	0.000 Absorbance	OK		
460-40258-A-2-F	DB-1 34.5-35'	7196A	T	100 mL	0.000 Absorbance	0.001 Absorbance	OK		
CCV 460-113337/19		7196A		100 mL		0.407 Absorbance	OK w/o Correction		0.5 mL
CCB 460-113337/20		7196A		100 mL		0.000 Absorbance	OK w/o Correction		
460-40258-A-3-F	DB-2 13.5-14'	7196A	T	100 mL	0.000 Absorbance	0.000 Absorbance	OK		
460-40258-A-4-F	DB-2 34.5-35'	7196A	T	100 mL	0.000 Absorbance	0.000 Absorbance	OK		

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Batch Number: 113337 Batch Start Date: 05/21/12 13:20 Batch Analyst: Leye, Mamadou

Batch Method: 7196A Batch End Date: 05/21/12 17:15

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	ColorBlk	UnCorResp	CalcMsg	WThcrIM 00035	WThcrIM3 00018
460-40258-A-5-F	DB-3 20.5-21'	7196A	T	100 mL	0.000 Absorbance	0.000 Absorbance	OK		
460-40258-A-6-F	DB-3 30.5-31'	7196A	T	100 mL	0.000 Absorbance	0.003 Absorbance	OK		
460-40258-A-7-F	DB-5 21-21.5'	7196A	T	100 mL	0.000 Absorbance	0.000 Absorbance	OK		
460-40258-A-8-F	DB-5 35-35.5'	7196A	T	100 mL	0.000 Absorbance	0.000 Absorbance	OK		
460-40258-A-10-F	DB-6 15-15.5'	7196A	T	100 mL	0.001 Absorbance	0.001 Absorbance	OK		
460-40258-A-11-G	DB-6 29.5-30'	7196A	T	100 mL	0.000 Absorbance	0.000 Absorbance	OK		
460-40258-A-13-F	DB-6 39.5-40'	7196A	T	100 mL	0.000 Absorbance	0.001 Absorbance	OK		
CCV 460-113337/31		7196A		100 mL		0.396 Absorbance	OK w/o Correction		0.5 mL
CCB 460-113337/32		7196A		100 mL		0.000 Absorbance	OK w/o Correction		

Lab Sample ID	Client Sample ID	Method Chain	Basis	AnalysisComment					
IC 460-113337/1		7196A							
IC 460-113337/2		7196A							
IC 460-113337/3		7196A							
IC 460-113337/4		7196A							
IC 460-113337/5		7196A							
IC 460-113337/6		7196A							
ICV 460-113337/7		7196A							
ICB 460-113337/8		7196A							
MB 460-113332/1-A		7196A							
LCSS 460-113332/2-A		7196A							
LCSI 460-113332/3-A		7196A		Background pH					
460-40258-A-9-H	DB-5 49.5-50'	7196A	T	1.68					
460-40258-A-9-I DU	DB-5 49.5-50'	7196A	T	2.03					
460-40258-A-9-J MSS	DB-5 49.5-50'	7196A	T	1.76					

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Batch Number: 113337 Batch Start Date: 05/21/12 13:20 Batch Analyst: Leye, Mamadou

Batch Method: 7196A Batch End Date: 05/21/12 17:15

Lab Sample ID	Client Sample ID	Method Chain	Basis	AnalysisComment					
460-40258-A-9-K MSI	DB-5 49.5-50'	7196A	T	2.03					
460-40258-A-9-H PDS	DB-5 49.5-50'	7196A	T	1.68					
460-40258-A-1-F	DB-1 23-23.5'	7196A	T	2.02					
460-40258-A-2-F	DB-1 34.5-35'	7196A	T	1.76					
CCV 460-113337/19		7196A							
CCB 460-113337/20		7196A							
460-40258-A-3-F	DB-2 13.5-14'	7196A	T	1.73					
460-40258-A-4-F	DB-2 34.5-35'	7196A	T	1.80					
460-40258-A-5-F	DB-3 20.5-21'	7196A	T	2.02					
460-40258-A-6-F	DB-3 30.5-31'	7196A	T	2.00					
460-40258-A-7-F	DB-5 21-21.5'	7196A	T	1.67					
460-40258-A-8-F	DB-5 35-35.5'	7196A	T	1.79					
460-40258-A-10-F	DB-6 15-15.5'	7196A	T	2.01					
460-40258-A-11-G	DB-6 29.5-30'	7196A	T	1.83					
460-40258-A-13-F	DB-6 39.5-40'	7196A	T	1.96					
CCV 460-113337/31		7196A							
CCB 460-113337/32		7196A							

Batch Notes	
Spectrophotometer Cell Path Length	1 cm
Color Reagent ID Number	c8105-12 exp 05/24/12
Nitric Acid Reagent ID Number	c8089-12 exp 10/19/12
Sulfuric Acid Reagent ID Number	c8177-12 exp 11/10/12

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Batch Number: 117362 Batch Start Date: 06/25/12 12:49 Batch Analyst: Demone, Laura

Batch Method: 7196A Batch End Date: 06/25/12 12:55

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg					
460-40258-A-1	DB-1 23-23.5'	7196A	T	Not Calculated. Perform Calculation not set to Run.					
460-40258-A-2	DB-1 34.5-35'	7196A	T	Not Calculated. Perform Calculation not set to Run.					
460-40258-A-3	DB-2 13.5-14'	7196A	T	Not Calculated. Perform Calculation not set to Run.					
460-40258-A-4	DB-2 34.5-35'	7196A	T	Not Calculated. Perform Calculation not set to Run.					
460-40258-A-5	DB-3 20.5-21'	7196A	T	Not Calculated. Perform Calculation not set to Run.					
460-40258-A-6	DB-3 30.5-31'	7196A	T	Not Calculated. Perform Calculation not set to Run.					
460-40258-A-7	DB-5 21-21.5'	7196A	T	Not Calculated. Perform Calculation not set to Run.					
460-40258-A-8	DB-5 35-35.5'	7196A	T	Not Calculated. Perform Calculation not set to Run.					
460-40258-A-9	DB-5 49.5-50'	7196A	T	Not Calculated. Perform Calculation not set to Run.					
460-40258-A-10	DB-6 15-15.5'	7196A	T	Not Calculated. Perform Calculation not set to Run.					
460-40258-A-11	DB-6 29.5-30'	7196A	T	Not Calculated. Perform Calculation not set to Run.					

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Batch Number: 117362 Batch Start Date: 06/25/12 12:49 Batch Analyst: Demone, Laura

Batch Method: 7196A Batch End Date: 06/25/12 12:55

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg					
460-40258-A-13	DB-6 39.5-40'	7196A	T	Not Calculated. Perform Calculation not set to Run.					

Batch Notes	
Manually Enter Results? (0=NO, 1=YES)	1
Perform Calculation (0=No, 1=Yes)	0

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Batch Number: 113220 Batch Start Date: 05/19/12 10:17 Batch Analyst: Bobo, Steve

Batch Method: Moisture Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	DISH#	DishWeight	SampleMassWet	SampleMassDry		
460-40258-A-11	DB-6 29.5-30'	Moisture	T	27	0.95 g	6.88 g	6.29 g		

Batch Notes	
Balance ID	104 No Unit
Date samples were placed in the oven	5/19/2012
Oven Temp when samples are put in oven	Oven-1 and Oven-2 Degrees C
Time samples were place in the oven	09:36
Oven ID	1,2
ID number of the thermometer	3006, 2935
Uncorrected In Temperature	None Celsius
Uncorrected Out Temperature	None Celsius

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Batch Number: 113222 Batch Start Date: 05/19/12 11:59 Batch Analyst: Bobo, Steve

Batch Method: Moisture Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	DISH#	DishWeight	SampleMassWet	SampleMassDry		
460-40258-A-13	DB-6 39.5-40'	Moisture	T	172	0.99 g	6.81 g	5.51 g		
460-40258-A-13 DU	DB-6 39.5-40'	Moisture	T	173	1.03 g	6.72 g	5.40 g		

Batch Notes	
Balance ID	104 No Unit
Date samples were placed in the oven	5/19/2012
Oven Temp when samples are put in oven	Oven-1 and Oven-2 Degrees C
Time samples were place in the oven	09:36
Oven ID	1,2
ID number of the thermometer	3006, 2935
Uncorrected In Temperature	None Celsius
Uncorrected Out Temperature	None Celsius

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-40258-1

SDG No.:

Batch Number: 113223 Batch Start Date: 05/19/12 13:04 Batch Analyst: Bobo, Steve

Batch Method: Moisture Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	DISH#	DishWeight	SampleMassWet	SampleMassDry		
460-40258-A-12	DB-6 30-30.5'	Moisture	T	174	1.02 g	6.83 g	6.17 g		
460-40258-A-10	DB-6 15-15.5'	Moisture	T	175	1.03 g	6.25 g	5.15 g		
460-40258-A-9	DB-5 49.5-50'	Moisture	T	176	0.99 g	6.49 g	5.95 g		
460-40258-A-8	DB-5 35-35.5'	Moisture	T	177	1.04 g	6.17 g	5.17 g		
460-40258-A-7	DB-5 21-21.5'	Moisture	T	178	1.03 g	6.45 g	5.59 g		
460-40258-A-6	DB-3 30.5-31'	Moisture	T	179	1.01 g	6.52 g	5.78 g		
460-40258-A-5	DB-3 20.5-21'	Moisture	T	180	0.99 g	6.34 g	5.50 g		
460-40258-A-4	DB-2 34.5-35'	Moisture	T	181	1.01 g	6.02 g	5.48 g		
460-40258-A-3	DB-2 13.5-14'	Moisture	T	182	1.02 g	6.83 g	5.95 g		
460-40258-A-2	DB-1 34.5-35'	Moisture	T	183	1.03 g	6.75 g	5.80 g		
460-40258-A-1	DB-1 23-23.5'	Moisture	T	184	1.01 g	6.75 g	5.94 g		

Batch Notes	
Balance ID	104 No Unit
Date samples were placed in the oven	5/19/2012
Oven Temp when samples are put in oven	Oven-1 and Oven-2 Degrees C
Time samples were place in the oven	09:36
Oven ID	1,2
ID number of the thermometer	3006, 2935
Uncorrected In Temperature	None Celsius
Uncorrected Out Temperature	None Celsius

Basis	Basis Description
T	Total/NA

Shipping and Receiving Documents

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

CHAIN OF CUSTODY / ANALYSIS REQUEST

Name (for report and invoice) Attn: David Greffenius	Samplers Name (Printed) David Greffenius	Site/Project Identification Con Edison Kent Ave, Brooklyn
Company Shaw Environmental	P. O. # 126649	State (Location of site): NJ: ☐ NY: ☒ Other:
		Regulatory Program: CP-51, RCRA
Address 1633 Broadway, 30th Flr	Analysis Turnaround Time: Standard ☐	
City New York, State NY	Rush Chrages Authorized For: 2 Week ☐ 1 Week ☐ Othor ☒ 5-day	
Phone 212/290-6109 Fax 212/290-6001		

ANALYSIS REQUESTED (ENTER "X" BELOW TO INDICATE REQUEST)

LAB USE ONLY
Project No:
Job No: 40258

Sample Identification	Date	Time	Matrix	No. of Cont.	VOCs CP-51	SVOCs CP-51	Metals*	Sample Numbers
DB-1 23-23.5'	5/10/12	1235	Soil	3	X	X	X	1
DB-1 34.5-35'		1245		3	X	X	X	2
DB-2 13.5-14'		1400		3	X	X	X	3
DB-2 34.5-35'		1450		3	X	X	X	4
DB-3 20.5-21'		1640		3	X	X	X	5
DB-3 30.5-31'	↓	1655	↓	3	X	X	X	6

Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH
6 = Other _____, 7 = Other _____

Soil: X X X None
Water:

Special Instructions: *Metals: RCRA 8 + CP-51

Water Metals Filtered (Yes/No)? _____

Relinquished by	Company	Date / Time	Received by	Company
1) Dil Coffin	Shaw E&I	5/15/12 1445	1) Paul OB	TESTAMER
Relinquished by	Company	Date / Time	Received by	Company
2) Paul OB	TEST AMERICA	5-15-12 1635	2) Susan Lyon	TA Edison 5/15/12 1635
Relinquished by 3)	Company	Date / Time	Received by 3)	Company
Relinquished by 4)	Company	Date / Time	Received by 4)	Company

5 DAY RUSH

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132) - 0016 (0408)
Massachusetts (M-NJ312), North Carolina (No. 578)

1.6 #50

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

CHAIN OF CUSTODY / ANALYSIS REQUEST

Name (for report and invoice) Attn: David Greffenius	Samplers Name (Printed) David Greffenius	Site/Project Identification Con Edison Kent Ave, Brooklyn
Company Shaw Environmental	P. O. # 126649	State (Location of site): NJ: ☐ NY: ☒ Other:
		Regulatory Program: CP-51, RCRA
Address 1633 Broadway, 30th Flr	Analysis Turnaround Time: Standard ☐	
City New York, State NY	Rush Charges Authorized For: 2 Week ☐ 1 Week ☐ Other ☒ 5-day	
Phone 212/290-6109 Fax 212/290-6001		

ANALYSIS REQUESTED (ENTER "X" BELOW TO INDICATE REQUEST)

LAB USE ONLY
Project No:
Job No: 40258

Sample Identification	Date	Time	Matrix	No. of Cont.	VOCs CP-51	SVOCs CP-51	Metals *	Sample Numbers
DB-5 21-21.5'	5/11/12	1435	Soil	3	X	X	X	7
DB-5 35-35.5'		1450		3	X	X	X	8
DB-5 49.5-50'		1605		3	X	X	X	9
DB-6 15-15.5'		1015		3	X	X	X	10
DB-6 29.5-30'		1045		2		X	X	11
DB-6 30-30.5'		1050		1	X			12
DB-6 39.5-40'	↓	1055	↓	3	X	X	X	13
Trip Blank	5/11/12		Water	2	X			14

Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH
6 = Other _____, 7 = Other _____
Soil: None
Water: HCl

Special Instructions: * Metals: RCRA 8 + CP-51

Water Metals Filtered (Yes/No)? _____

Relinquished by	Company	Date / Time	Received by	Company
1)	Shaw E&I	5/15/12 1445	1)	TESTAMER
2)	TESTAMER	5/15/12 1635	2)	TA Edison 5/15/12 1635
3)			3)	
4)			4)	

5 DAY RUSH

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (13 0016 (0408)
Massachusetts (M-NJ312), North Carolina (No. 578)

LC #50

Login Sample Receipt Checklist

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 460-40258-1

Login Number: 40258

List Source: TestAmerica Edison

List Number: 1

Creator: Hall, Alonzo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	Not present
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	1.6° C IR 50
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 sample IDs on the containers 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.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	No analysis requiring residual chlorine check assigned.