Impacts from Hatco Drainage on the EPEC Site

Prepared for
EPEC Polymers, Inc.
Houston, Texas 77002
August 6, 2010

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Section 1

Introduction

The Northeastern Wetland is located in the northeast corner of the EPEC Polymers, Inc. (EPEC) property and may be referred to as AOC-D. The Northeastern Wetland is also referred to as "Channel D" by Hatco/Weston, although Channel D is but one feature within the wetland. The Northeastern Wetland currently comprises an area of approximately 9.2 acres. This area of the site has not received anthropogenic fill[1] and is physically separated from other industrial operations areas of the EPEC property. However, soil and sediment within the Northeastern Wetland are observed to contain various chemical contaminants including polychlorinated biphenyls (PCBs), several phthalates, chlorinated benzenes, and a variety of PAHs at concentrations exceeding their respective NJDEP Remediation Standards. The purpose of this report is to evaluate the sources of this contamination within the Northeastern Wetland.

The information presented, herein, is organized as follows:

Section 1 –Introduction

Section 2 - Transport Pathways in the Northeastern Wetland – A description of the surface water and groundwater transport pathways within the Northeastern Wetland.

Section 3 – Hatco Site Conditions – A description of the manufacturing history and environmental site conditions on the Hatco site.

Section 4 – EPEC Site Conditions - A description of the manufacturing history and environmental site conditions on the EPEC site.

Section 5 – June 2010 Site Characterization – A description of the objectives and methods that were used to further characterize the Northeastern Wetland and also other transport pathways from the Hatco site.

Section 6 – Findings and Discussion – A presentation of the aforementioned information as it relates to sources of contamination within the Northeastern Wetland.

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[1] *An exception is an encroachment from the Gredel property to the east in which anthropogenic fill was placed in a discrete area of the Northeastern Wetland prior to construction of the warehouse on the Gredel property. The 9.2 acre area, given above, does not include the Gredel encroachment.*

Section 2

Transport Pathways in the Northeastern Wetland

2.1 Surface Drainage Conditions

The Northeastern Wetland receives surface water flow from several drainage ditches, each of which originates from the Hatco site, located north of the Northeastern Wetland. The westernmost ditch within the Northeastern Wetland is referred to as "Channel D" by Hatco, the property owner located to the north. Channel D represents a discontinuous remnant of the northern portion of Crows Mill Creek. An unnamed ditch exists further to the west of Channel D. The Northeastern Wetland is physically separated from other areas of the EPEC site by a berm that was a former railroad bed. These and other surface water features, described herein, are depicted on Figure 1-1.

Channels A, B, and C

Three parallel drainage ditches, referred to as Channels A, B, and C are located on and adjacent to the Hatco site (URS, 2001) that flow southward through culverts beneath Industrial Avenue and the Conrail railroad tracks. Flow through these culverts enters "Channel D" within the EPEC Northeastern Wetland. The channels are described as follows:

- **Channel A** – Channel A flows along the Hatco property line parallel to the former lagoons that are located in the southeastern corner of the Hatco property. It is approximately 300 feet in length.
- **Channel B** – Channel B is a north-south oriented ditch that parallels Hatco's western property boundary on the adjacent property. It is approximately 950 feet in length.
- **Channel C** – Two channel segments are referred to as Channel C, including a short channel (approximately 300 feet long) located parallel to and west of Channel B that flows into a pond west of the Hatco property on land currently owned by Morris Properties. This pond has been referred to as "Brinkman's Pond". This pond also has an outflow from its southwest corner that flows to the south and west, flows under Industrial Avenue, and enters a ditch just south of the Conrail tracks and then enters into Middle Lake. A second segment of Channel C carries a discharge from the pond and flows eastward to receive flow from Channels B and C before draining into the culvert beneath Industrial Avenue.

Hatco Rail Siding Ditches

Drainage ditches exist parallel to and along the eastern and western sides of the Hatco railroad siding and flow through culverts beneath Industrial Avenue and the Conrail railroad tracks. Flow through these culverts discharges to the relict Crows Mill Creek stream channel that exists within the Northeastern Wetland on the EPEC property. These have been designated, herein, as the Hatco railsiding ditches and are described as follows:

- **Eastern Rail Siding Ditch -** The eastern railrsiding ditch flows southerly for approximately 650 feet before it enters a headwall and into a culvert beneath Industrial Avenue.
- **Western Rail Siding Ditch -** The western railrsiding ditch, which also flows southward, has no visible destination, although it likely has a hydraulic connection to the aforementioned eastern railroad ditch and/or culvert beneath Industrial Avenue.

Slingtail Creek

Slingtail Creek flows southerly within an undeveloped area on the eastern portion of the Hatco property. It flows through a culvert beneath Industrial Avenue, around the eastern edge of the Gredel property site, and enters Crows Mill Creek south (downstream) of the Northeastern Wetland.

Crows Mill Creek

Crows Mill Creek historically originated on what is now the Hatco property or the property west of Hatco, where it flowed to the south into the EPEC Northeastern Wetland and then onward to the Raritan River. Most of Crows Mill Creek has been substantially altered by filling and channelization that occurred starting in the 1940's. On the Hatco property and the property to the west, the former Crows Mill Creek has been replaced by a series of channels and ditches, including those described above. Placement of anthropogenic fill by an encroachment from the adjoining Gredel property completely covered a section of Crows Mill Creek within the EPEC Northeastern Wetland such that there is no defined stream channel in this area. Further downstream, it is largely channelized in the portion of Crows Mill Creek located south of the Northeastern Wetland to the east of the EPEC property. This southern portion of Crows Mill Creek (i.e., south of the southern property boundary of the Northeastern Wetland) is largely channelized as it flows through the properties bordering the EPEC Polymers property along EPEC's eastern property boundary. This southerly portion of Crows Mill Creek is under tidal influence, although high spring tidal pulses occasionally reach as far upstream as the Northeastern Wetland (Brown and Caldwell, 2010b).

Northeastern Wetland

Two dominant wetland habitat types exist within the Northeastern Wetland, including forested wetlands in the northern portion along Industrial Avenue and phragmites-dominated wetlands in the central and southern areas. Well defined surface water channels, including Channel D and the unnamed channel, are evident in the forested wetlands, in the northernmost, upstream areas. Further south (downstream) within the phragmites, the channels become less distinct to the point where they no longer exist. In this area, the phragmites wetlands are completely flooded and water moves as sheet flow. A number of shallow ponds exist in the central and southern areas in which the water is too deep to support phragmites growth. Further downstream, off of the EPEC property, channel flow within the wetlands resumes in a channelized section of Crows Mill Creek (Figure 1-1).

2.2 Separation from EPEC Production Areas

The Northeastern Wetland is physically separated from other areas of the EPEC site by a former railroad grade (Figure 1-1), which forms a berm that physically separates the Northeastern Wetland from the other portions of the EPEC property. The railroad grade is oriented north to south and is identified as "Campbells Clay R.R." on a historic topographic map (USGS, 1905) and thus existed before chemical manufacturing operations began at the EPEC site in 1916.

Surface water has discharged occasionally to the east from Hartman's Pond, although this has been at a point located further south of the impacts that are discussed in this report. Furthermore, Hartman's Pond was not used for wastewater management or treatment and was instead a clay-lined firewater pond.

2.3 Groundwater Flow

Groundwater flow on the Hatco and EPEC sites flows to the south toward the regional discharge area represented by the Raritan River (Brown and Caldwell, 2010a). Accordingly, the Northeastern Wetland is directly downgradient of the Hatco production area (Weston, 2005). However, the Northeastern Wetland is located sidegradient or slightly upgradient of the former manufacturing areas on the EPEC site. Groundwater contamination plumes from the EPEC manufacturing areas thus do not flow toward and discharge to the Northeastern Wetland but toward the Raritan River.

Section 3

Hatco Site Conditions

The Hatco facility is located across Industrial Avenue and to the north of the Northeastern Wetland. The former and current manufacturing operations at the Hatco Chemical site included the production of organic chemicals including synthetic lubricants, plasticizers, dielectric fluids, benzyl chloride, sebacic acid, capryl alcohol, phthalic anhydride and byproducts of these chemicals. Historic operations also included the use of heat transfer fluids containing PCBs. Several production areas, ASTs, lagoons, etc. existed on the site and have resulted in soil, sediment and groundwater contamination and an NAPL plume on the site. Off-site impacts have also occurred in soil, sediment and groundwater. Many of the areas along Crow's Mill Creek have been reworked a number of times during the Hatco facility's operational history, in particular the southwestern corner of the Hatco property in the vicinity of the former lagoons as is evidenced by historic aerial photos.

3.1 Chemical Manufacturing and Discharges at the Hatco Facility

A description of historic manufacturing operations at the Hatco facility is described in the Remedial Investigation (RI) Work Plan and RI Report that were prepared by Dan Raviv Associates, Inc. (DRAI, 1993a and 1993b) on behalf of Hatco Corporation. Tables listing the raw materials and manufactured products are presented in Appendix A. The text description from the RI report (DRAI, 1993b) is provided below:

> The Hatco site occupies approximately 80 acres of land in a predominantly industrial area of Fords, Middlesex County, New Jersey. It is bordered by King George Post Road on the north, Industrial Avenue on the south, Sling Tail Creek on the east and a tributary of Crow's Mill Creek on the west (DRAI, 1993b) and was built on land that was formerly a clay quarry and which was subsequently filled to facilitate construction of their manufacturing operations.
>
> The Hatco Chemical Company was founded in 1950 and was originally located in Kearny, New Jersey. The operations were moved to the present site in Fords, New Jersey in approximately 1954. By 1957, the Hatco Chemical Company became a manufacturer of specialty organic esters. Between 1957 and 1958, the Hatco Chemical Company built a sebacic [acid] plant in Fords, New Jersey to manufacture the raw material for the sebacate esters.
>
> From 1953 to 1959, the effluent from the operations at the Fords facility followed the natural topography of the site and drained into Crow's Mill Creek. There are no records that this effluent was monitored or treated before being discharged.
>
> In 1959, W.R. Grace & Company (Grace) acquired the Hatco Chemical Company and it became the Hatco Chemical Division of W.R. Grace. Grace was a producer of phthalate products during its ownership of Hatco from 1959 to 1978. (DRAI, 1993b)

The RI Work Plan (DRAI, 1993a) goes on to provide a somewhat more complete description than the RI of the subsequent manufacturing history at the Hatco site, as follows:

> In approximately 1961, Grace constructed and began operating a benzyl chloride plant that used chlorine and toluene as raw materials. They further processed the benzyl chloride to produce the plasticizer, butyl-benzyl phthalate, and deposited the process waste into unlined ponds. At approximately the same time, a phthalic anhydride unit was constructed which called for the use of naphthalene as the feed stock. This production process generated distillation bottoms

containing, among other chemicals, phthalic anhydride, acenaphthylene, pyrene, phenanthrene and isophorone. Grace removed these bottoms from the phthalate anhydride unit and disposed of them on the ground immediately to the east of the phthalic anhydride plant.

In approximately 1963, Grace built a second phthalic anhydride unit equipped to purify the coal-tar derived feed stock creating residue such as picolines, quinoline, naphthalene, phenol and cresols. Grace disposed of these residues by depositing them on the ground immediately northeast of the phthalic anhydride manufacturing areas. Grace ceased operation of the two phthalic anhydride units in approximately 1971.

In December of 1962, the New Jersey Department of Health issued a Cease and Desist Order against Grace, which alleged that Grace's industrial waste was polluting the waters of the State. In December of 1963, the New Jersey Department of Health agreed to hold its Cease and Desist Order in abeyance because Grace was actively engaged in negotiations to arrange for its process effluent to be discharged to the MCUA.

From approximately 1961 through approximately 1966, Grace purchased and used heat transfer fluids that contained polychlorinated biphenyls (PCBs) including Aroclor 1248, Aroclor 1254 and Therminol FR-2 at the site. These PCB-containing products were used in hot oil heating systems in the facility's ester I unit, sebacic acid plant, and capryl and molecular stills. According to the annual sales summary records of Monsanto Corporation, Grace purchased over 520,000 pounds of PCB materials (Aroclors 1248 and 1254) between 1960 and 1966.

During the period from 1961 to 1970, four unlined holding ponds were used to receive various wastes from manufacturing operations, including but not limited to, spent PCB heat transfer fluids. During the periods that the ponds were in operation, a considerable amount of semi-solid matter in the form of filter clays, carbon residues, precipitates and runoff sediments accumulated in the ponds and were periodically removed by scooping out the semi-solid matter and disposing in unlined areas of the site known as muck storage areas. (DRAI, 1993a)

The four, small unlined ponds were located in the center of the manufacturing area midway between Channel B and the rail siding ditches. The “muck storage areas” were located to the southeast of the ponds and less than 50 feet west of Channel B. (Refer to URS Figure 2-1 in Appendix URS, 2001)

In approximately 1966, two clay-lined lagoons were constructed at the southern edge of the property to receive process effluent from the pond system. As a result, the lagoons became contaminated with hazardous substances including PCBs. Also in 1966, Grace began discharging its process effluent to what is now known as the Middlesex County Utilities Authority (MCUA). Grace utilized the lagoons to recover organics from the process effluent and to moderate the flow of liquid to the MCUA. Prior to the construction of the lagoons and the hookup with the MCUA treatment facility, Grace discharged process wastes directly from the settling ponds to a series of trenches that allowed the process wastes to flow off-site into Crow's Mill creek. (DRAI, 1993a)

The two clay-lined ponds were located approximately 500 feet south of the four former unlined ponds and were in close proximity to Channel B. (URS, 2001)

In May of 1966, the Woodbridge Department of Health notified Grace that its effluent had caused damage to wildlife and personal property. In January of 1967, the New Jersey Department of Health identified three point of effluent discharges that were not connected to the MCUA. In September of 1967, the New Jersey Department of Health filed a complaint against Grace concerning these discharges. By November of 1967, Grace eliminated these three points of effluent discharge by directing them to the MCUA. In April of 1967, the U.S. Army Corps of Engineers performed a routine inspection of the Raritan River and discovered a discharge of an

acidic brown substance that was subsequently traced to Grace's manufacturing operations. In approximately July of 1967, Grace installed a neutralization system to correct the discharge. As part of a pond elimination program, required by a New Jersey Health Department Order in 1970, the unlined ponds were mucked out, filled and covered with soil. Six clay-lined lagoons were filled and graded, and two lagoons were to be used for storage in the event that newly installed underground connecting lines to the MCUA were disrupted. In November of 1975, the USEPA notified Grace of its tentative determination to issue a National Pollution Discharge Elimination System Permit #NJ0000922, which would allow 3,500 gallons per day of steam condensate and laboratory discharges into Sling Tail Creek, and 58,000 gallons per day of cooling tower purge water into Crows Mill Creek. In January of 1977, the USEPA determined that a permit was not required because Grace had directed the discharge to the MCUA.

On August 21, 1978, W.R. Grace sold the facility and the site, and operations were taken over by the Hatco Corporation. (DRAI, 1993a) (NJDEP, 2005)

To summarize, this information reveals that wastes from site operations were discharged to Crow's Mill Creek until 1961. After this date, some of the wastes were managed in the four unlined ponds while some still continued to discharge to the creek. This management strategy continued until the MCUA connection was made in 1966.

Just before the transfer of the site back to Hatco ownership, Grace is reported to have discontinued many of its chemical production lines "… including the sebacic acid and benzyl chloride plants in 1965; the operation of the molecular still in approximately 1965; the use of PCB-containing materials in approximately 1966; the production of phthalic anhydride and the use of naphthalene in 1971; and the use of six unlined holding ponds in 1971". (DRAI, 1993a) Hatco is reported to have not engaged in these business lines after the Purchase Agreement in 1978.

Hatco has continued the production of esters at the site since its acquisition from Grace in 1978. Hatco, now a division of the Chemtura Corporation, is currently reported to have more than 80 unique esters in its product line that are used in custom and formulated synthetic lubricants in jet turbines, compressors, and other specialized industrial applications. (Hatco, 2010)

Various investigation and interim remediation has been performed since the late 1980s and in accordance with an administrative consent order in 1992 between NJDEP and Hatco. Grace and Hatco have subsequently entered into an environmental liability transfer to Weston Solutions Inc. (Weston) and its insurer, ACE USA who have assumed the obligation to remediate the site. (NJDEP, 2005)

3.2 Contamination on the Hatco Site

Various site investigations have been performed at the Hatco site including three phases of remedial investigations (RIs). These include the Phase I and II RI by Dan Raviv Associates, Inc. (DRAI) in 1993 and 1995, respectively. URS completed a Phase III RI that was presented as part a Draft RAW by URS in 2001 (Weston, 2005). A comprehensive and concise presentation of site conditions is provided in the Weston RAW (Weston, 2005) that includes the Phase III RI.

Soil

The primary constituents of concern in soil at the Hatco site include benzene, bis(2-ethylhexyl)phthalate (BEHP), butyl-benzyl phthalate (BBP), di-n-butylphthalate (DNBP), PCB Aroclors 1248 and 1254, and total petroleum hydrocarbons (Weston, 2005). PCBs are present in 2/3 of the tested soils at concentrations ranging up to 12,000 mg/kg, with the greatest distribution within the Hatco production area. Phthalates

were detected in approximately 90 percent of the Phase III RI samples at concentrations ranging up to 14,000 mg/kg. Other constituents present in soil include relatively low concentrations of various VOCs, primarily benzene, toluene, and xylenes (BTX), various polyaromatic hydrocarbons (PAHs), and Aroclor 1260.

LNAPL

An area of light non-aqueous phase liquids (LNAPL) exists beneath a large portion of the manufacturing area and the former muck storage area. This NAPL is observed within 50 feet of Channel B and has a thickness ranging up to 1.7 feet. The LNAPL contains Aroclor 1248, various phthalates, and BTX. GC fingerprint analyses of the NAPL report the presence of hydrocarbons in distillation ranges of No. 2 fuel oil and motor oil but with patterns that "do not match the standards for these petroleum products" (Weston, 2005).

Groundwater

The primary groundwater constituents of concern are reported to include BTX, dichloromethane, BEHP, di-n-octyl-phthalate, PCBs, arsenic, and cadmium. Groundwater plume maps of these constituents suggest that their distribution is very localized within the Hatco site and do not extend southward onto the Northeastern Wetland.

Sediment

Sediment samples from Channels A and B, on the Hatco site, contained Aroclor 1248 at concentrations ranging up to 48 mg/kg. Various PAHs and metals were also present. The presence of phthalates in sediment was not reported (Weston, 2005).

Section 4

EPEC Site Conditions

4.1 Chemical Manufacturing at the EPEC Site

Organic chemical manufacturing operations began at the EPEC site starting as early as 1916 by the Norvell Chemical Co. Heyden Chemical Corporation purchased Norvell on February 25, 1926. The facility was purchased from Heyden Newport Chemical Company by Tenneco Chemicals, Incorporated (Tenneco) in the early 1960s. Tenneco then sold the facility in December 1982 to Nuodex Corporation. Nuodex ran the manufacturing operations facility until 1985, and then sold to a German chemical company, Hüls AG, who re-named the plant Hüls America. Hüls America used the site for warehouse storage until 1988, when all operations at the facility ceased. The 1985 sale of the facility from Nuodex to Hüls triggered the requirements under the New Jersey Environmental Cleanup Responsibility Act (ECRA).

A review of information contained in an ECRA Submission prepared by Princeton Aqua Science (PAS, 1985) reveals that there were more than 30 major chemicals produced at the Fords site from 1940 through 1985. These product-processes and derivative processes included chemical groups within the classes' carboxylic acids and their associated salts, aldehydes, ketones, chlorinated aldehydes, chlorinated carboxylic acids, herbicides, insecticides, and chlorinated aliphatics. The site also produced muriatic acid as a by-product of the chlorination processes. A summary of the chemical products produced at the plant, the production period, and the product-process description is presented in Table 4-1. Selected information presented in the PAS (1985) report including process flow diagrams and lists of raw materials and products are presented in Appendix B.

Information on the history of the site and companies involved in the production of the chemical products of concern were available in the PAS (1985) report for the period beginning in 1964. This documentation also identified a number of organic chemicals that were produced at the Fords site prior to 1964, although the specific chemical company and/or companies were not identified. It is known that the Heyden Chemical Corporation (Heyden) produced chemicals at the Fords site prior to 1964, but definitive documentation is not provided for the products produced by Heyden or the product-processes employed in their manufacture. However, the PAS (1985) documentation suggests that the chemicals produced prior to 1964 were primarily carboxylic acids, aldehydes, and ketones. Finally, information for the chemical production methods employed at the Fords site prior to 1941 was not available in the project files.

4.2 Contamination on the EPEC Site

The primary chemical constituents of concern as a result of manufacturing operations at the site are 2-chlorotoluene, 4-chlorotoluene, toxaphene, and low levels of uranium in a spent process waste. Other constituents, including several VOCs, SVOCs, pesticides and metals, are present above regulatory standards, but they do not appear to be driving remedy selection. The other VOCs historically detected at or in the vicinity of the site include but are not limited to benzene, chlorobenzene, ethylbenzene, toluene, xylenes, chloroform, acetone, TBA, MEK, trichloroethene and tetrachloroethene. SVOCs historically detected at the EPEC site include 2-chlorophenol, 2,4-diclorophenol, 2,4-dimethylphenol, 2,4,6-trichlorophenol, 1,2-dichlorobenzene, 1,4-dichlorobenzene, and 1,2,4-trichlorobenzene. The other pesticides historically at the site are aldrin, alpha-BHC, 4,4'-DDE, 4,4'-DDT, Endosulfan I, Endosulfan sulfate, heptachlor, and heptachlor epoxide. Inorganic elements that have historically been detected at

concentrations exceeding applicable standards or guidance values are antimony, arsenic, cadmium, lead, nickel, and uranium. A lead-impacted fill material has recently been identified within a limited area of the site and arsenic, metals and SVOCs have been found in the dredge spoil that was discharged onto the site by the US Army Corps of Engineers (USACE) in the 1940s and 1950s.

Contamination conditions are documented in the "Supplemental Remedial Investigation Report (SRIR)" (Brown and Caldwell, 2010). The SRIR completed, with limited exception, the delineation of chemical constituents exceeding applicable soil, groundwater and sediment standards. The following is a summary of the nature and extent of impacted media at the site based on the SRIR.

Soil

- Soil impacted with toxaphene in three (3) areas at concentrations greater than the NJDEP Remedial Action Criteria (RAC)[2] of 3,000 mg/kg for removal or treatment. The three areas are located along the northeastern side of the former manufacturing area (i.e., in the vicinity of the former toxaphene production areas);
- Fill materials impacted with lead containing materials (battery casings and slag) in the berm located along the eastern side of Hartman's Pond;
- Fill/soil containing concentrations of chemical constituents above the NJDEP RDCSRS, NRDCSRS, and IGWSRS:
  - Soil impacted with toxaphene at concentrations greater than the Residential Direct Contact Soil Remediation Standard (RDCSRS) of 0.6 mg/kg and/or the Non-Residential Direct Contact Soil Remediation Standard (NRDCSRS) of 3 mg/kg. The primary areas where exceedances were identified include the area along the northeastern side of the former manufacturing area, within the Central Wetlands, and along the eastern side of AOC-O;
  - Soil in the Sludge Disposal Area (AOC-O) impacted by chlorotoluene concentrations above Residential Direct Contact Soil Cleanup Criteria (RDCSCC) (1,600 mg/kg for 2-chlorotoluene and 5,500 mg/kg for 4-chlorotoluene), Non-Residential Direct Contact Soil Cleanup Criteria (NRDCSCC) (23,000 mg/kg for 2-chlorotoluene and 79,000 mg/kg for 4-chlorotoluene), and/or Impact to Groundwater Soil Cleanup Criteria (IGWSCC)[3] (2 mg/kg for 2-chlorotoluene and 8 mg/kg for 4-chlorotoluene); and toxaphene above NRDCSRS (3 mg/kg);
  - Soil impacted by chlorotoluene at concentrations in excess of the RDCSCC, NRDCSCC, and IGWSCC in the former manufacturing area and Southern Landfill area.

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[2] *In a letter dated July 18, 2007, the NJDEP established a site-specific remedial action criterion (RAC) for toxaphene which requires the removal or treatment of soil containing toxaphene concentrations above 3,000 mg/kg.*

[3] *In a meeting on May 27, 2010, the NJDEP identified the following direct contact and impact to groundwater soil cleanup criteria for chlorotoluene isomers: Residential Direct Contact Soil Cleanup Criteria (RDCSCC) of 1,600 mg/kg for 2-chlorotoluene and 5,500 mg/kg for 4-chlorotoluene, Non Residential Direct Contact Soil Cleanup Criteria (NRDCSCC) of 23,000 mg/kg for 2-chlorotoluene and 79,000 mg/kg for 4-chlorotoluene, and Impact to Groundwater Soil Cleanup Criteria (IGWSCC) of 2 mg/kg for 2-chlorotoluene and 8 mg/kg for 4-chlorotoluene. These soil cleanup criteria supersede those identified in a letter from NJDEP dated September 26, 2005.*

NAPL

- DNAPL containing chlorotoluene that is present in several areas of the site, based on direct and indirect lines of evidence, including the former manufacturing areas in the northern portion of the site, AOC C, the perimeter of the Southern Landfill, the sediments in the "thumb" of West Lake and in Hartman's Pond, and south of the former manufacturing areas in a portion of the Central Wetlands. DNAPL containing chlorotoluene also appears to be present on the Fords II site owned by Ashland Chemical Company (Ashland)[4].
- LNAPL containing xylenes has historically been detected in AOC I (Former Maleic Anhydride Production Area).
- LNAPL containing PCBs and other constituents has been identified in the northwestern areas of AOC-D (Northeastern Wetland). The predominant Aroclor found within the LNAPL is the same as the predominant Aroclor occurring in soil and sediment that is being targeted by Weston Solutions for remediation on the adjacent Hatco site to the north and are believed to originate from historic Hatco/Grace operations.

Groundwater

- Groundwater impacted by dissolved-phase constituents above New Jersey Groundwater Quality Standards (NJGWQS) (N.J.A.C. 7:9C) and site-specific groundwater quality criteria for chlorotoluene[5]. In addition to chlorotoluene, other VOCs that have exceeded the NJGWQS most notably include toluene, chlorobenzene, benzene, and tert-butyl alcohol (TBA). Based on the groundwater results, the following on-site groundwater plumes have been identified:
  - Chlorotoluene Production Area (AOC-J)
  - The site's former unlined lagoons
  - "Thumb" area of West Lake
  - Hartman's Pond
  - The southern and western perimeter of the Southern Landfill (AOC-N)
- In addition to the above-mentioned plumes, a 2-chlorotoluene plume originates from DNAPL on the Fords II (Ashland) site and extends southward onto the site as a result of sources located on the Fords II (Ashland) site.

Sediments

- NAPL has been observed in the sediment of Hartman's Pond.
- Lake sediments impacted with chlorotoluene NAPL have been observed in the "thumb" of West Lake. NAPL has also been observed in a very limited area along the eastern shore of West Lake.
- Sediments impacted with chlorotoluene as detected in pore water samples above site-specific criterion have been detected along the Wetland Ditch prior to its exit from EPEC property.
- Based on the absence of an observed correlation between biological impacts and contaminants, there is no evidence that site constituents have adversely impacted the on-site Wetlands. The following presents conclusions based on the investigations:

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[4] Delineation toward the Ashland property to the west has not been completed. EPEC is in discussions with Ashland in an effort to implement a collaborative approach to completing delineation and remediation of those adjacent properties with EPEC's property. At this time, the details have not been worked out and therefore are not addressed in this RASR-RAW.

[5] In a letter dated September 26, 2005, the NJDEP established site-specific groundwater quality criteria for 2-chlorotoluene and 4-chlorotoluene of 100 µg/L and 500 µg/L, respectively.

- The macrobenthic survey indicated that the wetlands are moderately impaired throughout, with a reduced invertebrate community and higher numbers of pollution-tolerant taxa than would be expected in non-impaired sites.
- Chlorotoluene is not present in the wetlands at levels of ecological concern.
- Toxaphene was sporadically detected in the Central Wetlands sediment. Unidentified hydrocarbons of unknown source are also present; however, based on the relatively uniform biological impairment, impacts are not related to toxaphene or the unidentified hydrocarbons.

Soil Vapor

- Tetrachloroethene and 1,3-butadiene were the constituents most frequently detected in excess of their respective March 2007 New Jersey Residential and Non-residential Soil Gas Screening Levels (SGSLR and SGSLNR, respectively) in soil vapor samples collected from ten locations within the former manufacturing areas of the site indicated. Exceedances of benzene, n-hexane and chloroform concentrations compared to their respective SGSLR and SGLNR were less frequently observed. Other VOCs, including 2-CT, were detected at concentrations well below their respective criteria. These substances do not pose a current risk due to the absence of buildings on the site. However, if new buildings/structures are constructed at the site, the potential for soil vapor intrusion will need to be further evaluated.

Northeastern Wetland (AOC-D)

In addition to the aforementioned impacted media, PCBs and other chemical constituents have been detected in soils in the Northeastern Wetland (AOC-D). These include a small area of stressed vegetation located immediately adjacent to and south of the railroad tracks in the northwest corner of the Northeastern Wetland known as AOC-4. In this area, VOCs, SVOCs, lead, PCBs, and TPH were revealed at levels exceeding the RDCSRS and NRDCSRS. Finally, NAPL covering approximately two-thirds of an acre has been observed on the ground surface in the vicinity of and downgradient of AOC-4.

Various phases of investigation have been performed in the Northeastern Wetland on behalf of Hatco or EPEC, as listed below:

- Hatco Phase III RI on behalf of Hatco and Grace, (URS, 2001).
- RI of AOC 4 for EPEC (Sovereign, 2005).
- PCB delineation within the Northeastern Wetland in 2007 as part of a pre-design investigation (PDI) by Weston for the Hatco site.
- Supplemental characterization of PCBs within the Northeastern Wetland by BC on behalf of EPEC 2009. While delineation was not completed, the sampling demonstrated that the presence of PCBs is far more widespread than described by Weston. This was documented in a letter from EPEC to NJDEP dated October 29, 2009.

A summary of the data in the Northeastern Wetland is provided below.

PCBs

PCBs (Aroclors 1242, 1248, 1254 and 1260) have contaminated soil and sediment in the site's Northeastern Wetland, the source of which is the Hatco plant located north of the site. Weston Solutions has proposed excavation of PCB-impacted soils and sediment in this portion of the site. However, review of data collected indicated that the delineation of PCBs on the site had not yet been completed. Additional delineation sampling was performed for EPEC in order to determine whether the excavation work proposed by Weston Solutions would be sufficient in fully addressing PCB impacts.

Individual PCB Aroclors were analyzed in each of the 476 soil samples collected between July and August 2009 by BC. Aroclors 1254 and 1248 were the most predominant Aroclors but 1260 was also

reported in some samples. The spatial distribution of the sum of total PCBs, representing the sum of the seven PCB Aroclors targeted for analyses is presented on Figure 4-1. Total PCB concentrations ranged from concentrations below detection limits to 360 mg/kg. The results were compared to the RDCSRS and NRDCSRS for total PCBs of 0.2 mg/kg and 1.0 mg/kg, respectively. Numerous exceedances of the RDCSRS criterion were observed in surficial soil to depths of 4.5 ft bgs, particularly around existing and former drainage features.

These data suggest that PCBs are more extensively distributed in the Northeastern Wetland than had previously been reported by Weston Solutions, with delineation still not completed to either the RDCSRS or the previously applicable Residential Direct Contact Soil Cleanup Criterion (RDCSCC) of 0.49 mg/kg that Weston Solutions is using to define the extent of Hatco's remediation. Thus, additional delineation sampling is necessary and should be included as part of a supplemental Remedial Investigation Workplan that will need to be prepared and implemented by Weston.

AOC-4

Delineation sampling in AOC-4 reveals detectable concentrations of PAHs, various VOCs, SVOCs, lead, PCBs, and TPH. The VOCs that exceeded soil remediation standards included 1,2,4-trichlorobenzene and benzene. Various SVOCs, including 1,4-dichlorobenzene and a number of PAHs, BEHP, and hexachlorobenzene also exceeded soil remediation standards. Total PCB concentrations were reported up to 17.2 mg/kg, with Aroclors 1248 and 1260 being the most frequently reported Aroclors. Lead was also detected at concentrations exceeding soil remediation standards, but was significantly lower than lead concentrations detected in the berm bordering Hartman's Pond and the Northeastern Wetland.

NAPL

Inspection of the NAPL area in 2009 during the SRI revealed the presence of NAPL on the ground surface and floating on surface water in the vicinity of AOC-4 and extending south parallel to Crows Mill Creek several hundred feet from AOC-4 (Figure 1-1). This NAPL was not identified in prior investigation reports and had not been previously sampled. The NAPL was observed at depths ranging from a thin layer on the ground surface to up to 2.5 feet. The average thickness in hand augured locations was approximately 0.5 feet and its estimated volume, based on this thickness and observed horizontal extent, is approximately 100,000 gallons. The NAPL was observed to be of highly variable consistency. In locations nearer AOC-4, the NAPL was observed as a viscous liquid that was found to be floating on water that is ponded in a depression. The NAPL itself was covered by a layer of leaf litter. Further south, the NAPL was found to be more viscous and in places was dried and solidified into a tar-like material or as a suspension of solids within wetland sediment.

Section 5

Supplemental Sample Collection

5.1 Technical Objectives

Additional site characterization was performed within the Northeastern Wetland at the EPEC site to address the following technical objectives:

- To provide additional forensic data that can be used to understand the source of the PCBs in soils and to the PCBs within the LNAPL.
- Evaluate if the "other" constituents of concern that are associated with AOC-4 (e.g., dichlorobenzene, chlorobenzene) are more widespread than in AOC-4 and occur throughout the same areas impacted by PCBs.
- To test Weston's theory that the PCBs in the NAPL were not co-located from the source but were sorbed from PCB-contaminated soil when NAPL was deposited on the EPEC Polymers site.
- To provide additional forensic data that can be used to understand the character and source of the NAPL.
- To evaluate the potential distribution of Hatco-related constituents as a result of drainage from Hatco in other areas of the EPEC site.

5.2 Sample Collection

Soil and NAPL samples were collected on June 11 and 15, 2010 and July 2, 2010 in the Northeast Wetland and downstream of drainage features along the northern edge of the site. This included the sampling and analysis of the following media:

Re-Sampling of PCB-Contaminated Soils

10 soil samples were collected in northern areas of the site that have previously been shown to be relatively highly contaminated with PCBs. Samples were collected from 5 locations at two intervals in each, including 0.0 to 0.5 feet and 1.0 to 1.5 feet from manually-advanced soil borings.

NAPL Samples

5 NAPL samples were collected throughout the aerial extent of the NAPL at a single vertical interval at each location.

Soil Samples Below the NAPL

5 soil samples were collected immediately below the NAPL/Soil interface at each of the 5 NAPL sampling locations.

Drainage-Related Sample Collection

Existing and current drainage features, including culverts and associated ditches, that potentially conveyed contaminants from the Hatco property across Industrial Avenue, have been identified during site inspections and through a review of road-improvement design drawings that were prepared in July 1983 on behalf of Middlesex County. Four drainage features that conveyed surface water onto the EPEC

property have been identified. The identified drainage features are shown on Figure 1-1. Soil/sediment sampling was performed immediately downstream of each of the four drainage features using manually-operated sampling equipment, e.g., hand auger, slam bar from two, 0.5-ft depth intervals at each location (0 to 0.5 and 2-2.5 feet below grade surface).

5.3 Laboratory Analysis

Laboratory analyses for the field samples were performed by two separate laboratories under contract to EPEC. These included META Environmental, Inc., of Watertown, Massachusetts and TestAmerica – Chicago located in University Park, Illinois.

META Environmental, Inc.

The following analytical work was performed by META:

Extractions

Five of the six non-aqueous liquid (NAPL) samples were prepared by solvent dilution (EPA 3580) using dichloromethane (DCM). One NAPL sample, NAPL E, contained substantial amounts of soil and particulate carbon mixed with the NAPL and was extracted as a soil sample. The soil samples were prepared by solvent extraction (EPA 3570) using dichloromethane (DCM).

PCB Aroclors and PCT Aroclors

All extracts were split and a portion exchanged to hexane and cleaned up with sulfuric acid (EPA 3665A) and mercury (EPA 3660B) for polychlorinated biphenyl (PCB) analysis. The PCB extracts were analyzed by EPA Method 8082 modified to include polychlorinated terphenyl (PCT) Aroclors, as well as PCB Aroclors.

GC/FID Fingerprints and MAH/PAH Concentrations

A second portion of each extract of the NAPL samples only was spiked with internal standard and analyzed by GC/FID (EPA 8100M) for fingerprinting and by GC/MS/SIM (EPA 8270M) for mono- and polycyclic aromatic hydrocarbons (MAHs and PAHs), alkyl PAH homologues and other selected compounds.

VOC and SVOCs

A portion of each extract was also analyzed for an expanded list of volatile and semivolatile organic compounds, and tentatively identified compounds (TICs) by GC/MS (EPA 8270M).

TestAmerica

TestAmerica – Chicago provide laboratory analyses for polychlorinated naphthalenes (PCNs) by EPA Method 8270C.

Split Samples

Samples of the NAPL and soils underlying the NAPL were split with a field representative from Weston. Weston sent the samples to TestAmerica in Edison, New Jersey for laboratory analysis.

Section 6

Findings and Discussion

The supplemental sampling event, described in Section 5, included the collection and analysis of samples of soil, sediment, and NAPL. Each of the sampling locations is shown on Figure 4-1. The laboratory reports are presented in Appendix C. The detected analytes for each sample are presented in Tables 6-1 and 6-2.

The data are described in the subsections that follow for each sample medium and area.

6.1 NAPL Area Samples

Sample pairs were collected at five locations throughout the NAPL area. One of the samples was collected at the approximate mid-depth of the NAPL and a corresponding soil sample was collected immediately below the NAPL/soil interface.

The NAPL sample IDs were NAPL-B through NAPL-F. The corresponding soil sample ID included an appended "SO-1".

NAPL Character

The GC/FID data revealed that the NAPL samples are inconsistent with the characteristics of coal tar. Samples NAPL-B and NAPL-F indicated a broad, 'unresolved complex mixture' (UCM) of compounds that suggests the presence of heavy petroleum products. Further GC/MS analysis provided additional evidence that the source of the PAHs was likely from petroleum. META concluded that "substances with these characteristics include severely weathered crude and heavy fuel oils, as well as accumulations of mixed processed oils (i.e., lubricating, hydraulic, and heat transfer oils). The specific type of petroleum product could not be identified". Further discussion regarding character of the NAPL is provided in the Forensic Report (META, 2010) contained in Appendix C-1.

Samples No. NAPL-C, NAPL-D, and NAPL-E revealed similar distributions of PAHs as the aforementioned NAPL samples, albeit at lower concentrations. However, other GC/FID peaks were present that were not related to either petroleum or coal tar. GC/MS analyses of these peaks indicated that they were phthalates and chlorinated benzenes including various mono-, di-, and tri-chlorobenzene isomers.

The water content of the NAPL samples was substantially higher than is typical for coal tar or petroleum products. This suggests that the samples were some sort of organic-water emulsions.

PCBs in NAPL and Soil

All of the NAPL samples contained PCBs at concentrations ranging from 0.678 mg/kg (NAPL-F) to 40.3 mg/kg in NAPL-E (Figure 4-1). The NAPL samples generally contained both Aroclor 1248 and 1254, while Aroclor 1248 was predominant.

Soil samples were collected directly beneath each of the NAPL samples. Two of the soil samples, collected beneath NAPL-F and NAPL-B, did not contain detectable levels of PCBs. The other three soil samples contained total PCBs ranging from 0.0842 up to 1.274 mg/kg, levels that are far lower than that in the overlying NAPL. It should be noted, however, that the nature of the NAPL and soil matrices made it difficult to obtain discrete interval samples in several locations such that the laboratory data

may overestimate the soil concentrations. Specifically, the soft texture and high water content of several of the NAPL samples, e.g., NAPL-E, made it difficult to avoid cross-contamination of the underlying soil samples. Therefore, the reduction in concentration from NAPL to soil may be even greater than is reflected by the laboratory data.

As with the overlying NAPL, Aroclor 1248 was the predominant Aroclor in the underlying soils.

VOCs and SVOCs in NAPL and Soil

With the exception of NAPL-F, each of the NAPL samples contained various phthalates. BEHP was the predominant phthalate with concentrations ranging up to 569 mg/kg (NAPL-E). As with the PCBs, the phthalate concentrations in the corresponding soil samples were considerably lower than the overlying NAPL samples.

Several of the NAPL samples contained various chlorinated benzenes with the highest concentrations observed in NAPL-D. None of the NAPL contained detectable levels of chlorotoluene. A single soil sample (NAPL-D SO-1) contained a low level of 2-chlorotoluene at 0.58 mg/kg.

While the soils contained many of the same constituents as the overlying NAPL, the concentrations were far lower. For example, BEHP was detected at 127 mg/kg in NAPL B but was observed at 0.57J mg/kg in the corresponding underlying soil (Figure 6-2). As with the PCBs, the reduction in VOC and SVOC concentration from NAPL to soil may be even greater than is reflected by the laboratory results given the potential cross-contamination of some of the soil samplers from the overlying NAPL.

NAPL Discussion

The NAPL is a heterogeneous material that is comprised of highly decomposed, heavy, petroleum-based oils that also contains numerous other industrial materials. The NAPL also contains clear peaks of other industrial constituents including PCBs, phthalates and chlorinated benzenes.

Many of the NAPL constituents are demonstrated to be the same as those uniquely associated with the Hatco site, including PCBs and phthalates. In fact, Weston has already taken responsibility for the presence of PCBs and phthalates in soil and sediment on the EPEC site. Furthermore, 2-chlorotoluene and 4-chlorotoluene, the most dominant site related constituents on the EPEC site are absent from the NAPL and not detected in the underlying soil with a single low-level exception. Thus, the chemical constituent data provide strong evidence that the source of the NAPL is from Hatco.

The data reveal that the concentrations of PCBs, phthalates and chlorinated benzenes are far greater in the NAPL than they are in the underlying soil. This demonstrates that these constituents were native to the NAPL at the time the NAPL was discharged into the Northeastern Wetland. The presence of relatively higher concentrations in the NAPL relative to the underlying soils refutes a hypothesis by Weston that these compounds were previously in the soil and were sorbed into the NAPL after it was placed in the Northeastern Wetland.

6.2 Hatco Drainage Pathway Samples

Soil and sediment samples were collected within surface drainage pathways from the Hatco site to the EPEC site (Figure 1-1). Two samples were collected at each location including a surficial sample (0 to 0.5 ft) and a deeper sample, generally at a depth of 2.0 to 2.5 feet. The Hatco drainage samples are identified with an “HD” prefix. The numerals on the sample suffix indicate the depth in feet.

Drainage Pathways into the Northeastern Wetland

A group of samples were collected in ditches, swales, and culvert discharges that transport surface drainage from the Hatco site into the Northeastern Wetland. Four sample stations were sampled including HD-5, HD-6, HD-7, and HD-8.

All of the samples collected in drainage pathways to the Northeastern Wetland contained PCBs at concentrations that exceed the May 1999 NJDEP Residential Direct Contact Soil Cleanup Criterion (RDCSCC) for total PCBs of 0.49 mg/kg[6] (Figure 6-1). The PCBs were generally present as a mixture of Aroclors in which 1248 and 1254 were predominant with lower levels of 1260. There is no apparent depth-related pattern for total PCB concentrations.

Concentrations of SVOCs, including bis(2-ethylhexyl)phthalate (BEHP), di-n-octyl phthalate (DNOP), and various PAHs were observed in each of the drainage pathway samples into the Northeastern Wetland. Chlorinated benzenes were generally not detected. The distribution of BEHP, the predominant phthalate, is depicted on Figure 6-2. The RDCSCS of 49 mg/kg was exceeded in four of 12 samples, three of which were deep.

Drainage Pathways into Other Areas of the EPEC Site

Additional samples were collected from ditches, swales, and culvert discharges that transport surface drainage from the Hatco site, including Brinkman's Pond, into other areas of the EPEC site to the west of the Northeastern Wetland. These drainage-ways flow to water bodies on the EPEC site known as Middle Lake and West Lake. Five sample stations were sampled including HD-1, HD-2, HD-9, HD-10, and HD-11.

The PCB concentrations in the drainage samples to other areas of the site were substantially lower than those draining into the Northeastern Wetland. Nevertheless, 70% of the samples contained detectable PCBs, three of which exceeded the NJDEP Residential Direct Contact Soil Cleanup Criterion (RDCSCC) for total PCBs of 0.49 mg/kg (Figure 6-1). The PCBs were generally present as a mixture of Aroclors in which 1248 and 1254 were predominant with lower levels of 1260. There is no apparent depth pattern of the total PCBs.

Various SVOCs, including BEHP, DNOP, and various PAHs were detected in the drainage samples into the western areas. Chlorinated benzenes were generally not detected. The observed VOC and SVOC concentrations were quite variable although they are in the same general range as what is observed further east in the drainage to the Northeastern Wetland. In fact, the highest level of BEHP in drainage-way samples (536 mg/kg) was observed in a sample in an inlet to Middle Lake (HD-1). The distribution of BEHP, the predominant phthalate, is depicted on Figure 6-2.

Drainage Pathway Discussion

Sample data from various drainage pathway samples from Hatco to the EPEC reveal the presence of Hatco-related constituents, including PCBs and phthalates. These drainage pathway samples include those that flow into the Northeastern Wetland. However, these data also demonstrate the existence of contaminant pathways from Hatco into other areas of the EPEC site including drainage into Middle Lake and West Lake which are located further west from the Northeastern Wetland.

[6] The NJDEP has previously agreed to apply the former 0.49 mg/kg RDCSCC rather than the current 1.0 mg/kg RDCSCS that was promulgated in November 4, 2009.

6.3 Other PCB Impacted Areas within the Northeastern Wetland

Sample pairs were collected from five other locations within the northern portions of the Northeastern Wetland that had previously been demonstrated to contain PCBs, including CD-05, 1L, 2G, B9-5E, and B17. These samples were tested for PCBs and the full suite of analytes to observe what other constituents might be present. Samples were collected at two depths including a surficial sample (0 to 0.5 ft) and a deeper sample at a depth of 1.0 to 1.5 feet.

Each of the samples contained detectable levels of PCBs, at concentrations ranging up to 30.8 mg/kg. The PCBs were generally present as a mixture of Aroclors in which 1248 and 1254 were predominant with lesser amounts of 1260. The distribution of PCBs is shown on Figure 6-1.

The VOCs and SVOCs in the tested soils were quite similar to those in the other areas that were tested including the presence of BEHP, DNOP, and various PAHs, although the concentrations are quite variable. This is illustrated by the concentrations of BEHP as shown on Figure 6-2. Chlorinated benzenes were generally not detected or are present at low concentrations.

6.4 Conclusions

The following conclusions can be drawn from the information presented in this and previous sections:

Drainage Transport

- Various surface water drainage pathways exist from the Hatco site to several areas of the EPEC site including the Northeastern Wetland, Middle Lake, and West Lake.
- One of the drainage pathways includes a swale draining from Brinkman's Pond that flows toward Middle Lake and West Lake on the EPEC site.
- The drainage pathways are documented to have carried industrial waste effluent from the Hatco site onto the EPEC property until at least 1966.
- Documented poor waste-management practices suggest that contaminated discharges to the drainage pathways occurred later than 1966.
- The drainage pathways are in close proximity to and lead from highly contaminated areas located upstream on the Hatco site. These drainage pathways provide a mechanism for historic and ongoing contaminant transport from Hatco onto the EPEC site.
- The chemicals occurring in these drainage pathways are the same as those accepted by Weston as having originated from the Hatco property. This confirms that they are present as the result of discharges from Hatco.
- Drainage pathway samples clearly demonstrate the presence of Hatco-related constituents, including PCBs and phthalates in pathways draining to both the Northeastern Wetland and other areas of the EPEC site including Middle Lake and West Lake.
- Chemical constituents that are characteristic of the EPEC site, notably 2-chlorotoluene and 4-chlorotoluene, are absent from the materials within the drainage pathways and the other soils within the Northeastern Wetland.
- The aforementioned data demonstrate that discharges from Hatco continue to impact both the Northeastern Wetland and other areas of the site including Middle Lake and West Lake.

NAPL

- An area of NAPL occurs on the ground surface within the Northeastern Wetland with an estimated volume of 100,000 gallons.
- The NAPL is a heterogeneous material that is comprised of highly decomposed, heavy, petroleum-based oils that also contains numerous other industrial materials. The NAPL has been found to contain PCBs, phthalates and chlorinated benzenes.
- Many of the NAPL constituents are the same as those related to the Hatco site including PCBs and phthalates, constituents for which Weston has taken responsibility in sediment and soil on the EPEC property.
- Chemical constituents characteristic of the EPEC site, notably 2-chlorotoluene and 4-chlorotoluene are absent from the NAPL.
- The concentrations of PCBs, phthalates and chlorinated benzenes are far greater in the NAPL than in the underlying soil, demonstrating that these constituents were native to the NAPL upon its release onto the EPEC property and were not sorbed from the underlying soil as hypothesized by Weston.
- The chemical constituent data provide strong evidence that the source of the NAPL is Hatco.

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Tables

Table 4-1. Chemicals Produced at the Fords, New Jersey Site

Major Product	Production Period	Product-Process Description
Adipic Acid (1,4-Butanedicrboxylic Acid)	Prior to 1966	Specific process in use at the Fords site was not identified. Typically adipic acid is produced from the oxidation of cyclohexane, cyclohexanol, or cyclohexanone with air or nitric acid.
Anisic Acid (p-Methoxybenzoic Acid)	Prior to 1960	Specific process in use at the Fords site was not identified. Typically anisic acid is produced from the oxidation of anethole (para methoxy phenyl propene)
Benzaldehyde and Benzoic Acid	1941 - 1969	Typically produced as a co-product with benzoic acid by the catalytic oxidation of toluene. The specific catalyst identified is uranium as uranyl nitrate. Ammonium molybdate and sulfur dioxide were also identified as being present.
Benzoin (2-Hydroxy-2-phenylacetophenone)	Prior to 1960	Specific process in use at the Fords site was not identified. Produced from a condensation of benzaldehyde in an alkaline cyanide solution.
Benzil (Dibenzoyl)	Prior to 1960	Specific process in use at the Fords site was not identified. Produced from benzoin by oxidation with nitric acid.
Benzilic Acid[1] (Diphenylglycolic Acid)	Prior to 1960	Specific process in use at the Fords site was not identified. Typically production is through benzaldehyde, which dimerizates to benzil and is further transformed by rearrangement to benzilic acid.
o-Chlorobenzoic Acid[2] and o-Chlorobenzaldehyde	Until 1978	A feedstock of o-chlorotoluene is chlorinated to a mixture of o-chlorobenzal chloride and o-chlorobenzotrichloride in the presence of a benzoyl peroxide catalyst. The products are hydrolyzed and neutralized to yield a split of o-chlorobenzaldehyde (organic oil phase) and o-chlorobenzoic acid (aqueous phase). A pure cut of o-chlorobenzaldehyde is achieved by distillation.
p-Chlorobenzaldehyde	Until 1978	A feedstock of p-chlorotoluene is chlorinated in the presence of a benzoyl peroxide catalyst to maximum benzyl content. The product is reacted with hexamethylenetetramine via the Sommelet[5] reaction. After acidification, the resultant p-chlorobenzaldehyde is washed and purified by distillation.
Formaldehyde	Operating Period Unknown	Produced by the continuous catalytic air oxidation of methanol. A 44 wt % formaldehyde product results from this process and is applied as the feedstock for the production of hexamethylenetetramine. A silver catalyst is identified.
Formox - Formaldehyde and Formic Acid	Until 1985	Produced by the continuous catalytic air oxidation of methanol with an excess of air in a fixed-bed reactor. The specific catalyst identified is composed of oxides of molybdenum and iron. The resultant product is scrubbed from the product gas in an absorber to form a 52 wt% solution of formaldehyde in water. Formic acid production is a by-product of this process.
o-Chlorotoluene and p-Chlorotoluene[3]	Until 1978	Produced by the chlorination of toluene in the presence of a Friedel-Crafts catalyst[4]. The resultant products are continuously stripped of low boiling compounds under vacuum and continuously separated into the ortho and para forms of chlorotoluene. Higher homologs also are co-produced.
Hexamethylenetetramine	Until 1982	Produced by the reaction of ammonia with 44 wt % aqueous formaldehyde. Employs vacuum evaporation to produce a crystalline product that is separated by centrifugation.
Trichlorotoluene	Until 1978	Produced by the chlorination of o-chlorotoluene at low temperature in the presence of a Friedel-Crafts catalyst[4]. The resultant product is purified by vacuum distillation.
2,4 Dichlorotoluene and 3,4 Dichlorotoluene	Until 1978	Produced by the chlorination of p-chlorotoluene at low temperature in the presence of a Friedel-Crafts catalyst[4]. The resultant products are purified and separated by vacuum distillation.
Benzyl Dichloride (Benzylidene Chloride or Benzal Chloride)	Until 1978	Chlorinated oil produced by the chlorination of toluene in the absence of catalysts. The product is processed in a stripper where it is separated with other chlorinated toluene compounds and then further fractionated and purified in a still.

Table 4-1. Chemicals Produced at the Fords, New Jersey Site (Cont'd)

Major Product	Production Period	Product-Process Description
Herbicide HC-1281 (Trichlorobenzaldehyde and Trichlorobenzoic Acid)	Until 1977	Produced by the chlorination of trichlorotoluene to the intermediates trichlorobenzal and benzotrichloride, which are then hydrolyzed with water and sulfuric acid to trichlorobenzaldehyde and trichlorobenzoic acid. Nitric acid is used to oxidize trichlorobenzaldehyde.
Tri-Fen (2,3,6 Trichlorophenylacetic Acid)	1967 - 1978	Produced by the chlorination of trichlorotoluene to trichlorobenzyl chloride, which is cyanated to a nitrile. The resultant trichlorobenzonitrile is then hydrolyzed with sulfuric acid and water to trichlorophenylacetic acid. A nickel catalyst is indicated.
Tributoxy Ethyl Phosphate	1970 - 1985	Produced by the reaction of phosphorous oxychloride in the presence of 33% excess butoxyethanol using tetrabutyl titanate as a catalyst.
Tris 2,3 Dibromopropyl Phosphate	1970 - 1975	Produced by the reaction of phosphorous oxychloride with an excess of dibromopropanol using magnesium oxide as a catalyst.
Triphenyl Phosphite	1970 - 1985	Produced by the reaction of phosphorous trichloride in the presence of 20% excess phenol. This is an uncatalyzed reaction.
Phenyl Diisodecyl Phosphite	1970 - 1985	Produced by the reaction of triphenyl phosphite with isodecyl alcohol. The reaction is catalyzed using sodium methylate.
Strobane (Chlorinated Camphene)	Until 1985	Produced by chlorination of camphene in the presence of a benzoyl peroxide catalyst.
Toxaphene (Chlorinated Camphene)	1957 - 1978	Produced by chlorination of camphene in the presence of ultraviolet light.
2,4 Dichlorobenzoic Acid[6]	Until 1978	Produced by chlorination of 2,4 dichlorotoluene to the intermediate 2,4 dichlorobenzotrichloride in the presence of light. This reaction product is hydrolyzed with water to yield 2,4 dichlorobenzoic acid.
Guaiacol (mixture of methylcatechol compounds)	Until 1978	Produced from o-cresol.
Maleic Anhydride (2,5 furandione)	1960 - 1982	Produced by the catalytic oxidation of benzene with air in a tube reactor at 450^0 C where the maleic anhydride is formed in the gas phase. Typically a vanadium oxide catalyst is used.
Supercryl (Latex)	1973 - 1979	Produced by reacting a copolymer of methyl methacrylate and ethyl acrylate with dodecyl mercaptan, duponal waqe, and potassium persulfate.
Nuosept 95 (Bacteriostat)	1975 - 1985	Produced by reacting formaldehyde and tris (hydroxymethyl) aminomethane in an aqueous solution.
Tris Octyl Phosphate	1970 - 1985	Produced by reacting 2 ethyl hexanol with phosphorous oxychloride and phosphoric acid.
Salicylaldehyde (o-Hydroxybenzaldehyde)	Until 1970	Produced by the oxidation of o-cresol in the presence of a magnesium oxide catalyst.
Salicylsalicylic Acid (Acetylsalicylic Acid)	Until 1978	Produced by the reaction of acetic anhydride with salicylic acid.
Pentaerythritol (Tetramethylomethane)	1957 - 1970	Produced by the reaction of acetaldehyde with an excess of formaldehyde in an alkaline medium.

Notes:

1 *Prior to 1960, benzilic acid was used in the production of o-chlorobenzilic, p-chlorobenzilic, 2,4 dichlorobenzilic, and 3,4 dichlorobenzilic acids. The specific process in use at the Fords site was not identified.*

2 *Benzoic acid was not identified as a chemical in production at the Fords site, although it may have been co-produced as a by-product of benzaldehyde production.*

3 *Until 1978, 2,4 dichlorotoluene and 3,4 dichlorotoluene also were produced at the Fords site.*

4 *Defined as a condensation of alkyl or aryl halides with benzene and its homologs in the presence of a catalyst that may be composed of anhydrous aluminum chloride, boron trifluoride, boron trifluoride-etherate, boron trichloride, aluminum bromide, and the like.*

5 *Organic reaction where a benzyl halide is converted to an aldehyde by action of hexamine and water.*

6 *Compounds produced in a similar manner include 2,4 Dichlorobenzoyl chloride and p-Chlorobenzoyl chloride.*

TABLE 6-1
DETECTED PCBs IN SOIL AND NAPL
2010 HATCO-RELATED SAMPLES

Sample Name	Sample Date	Sample Interval (ft)	Analyte	Conc. [a.]		Units	NRDCSCC [b.]	RDCSCC [c.]	Matrix
NAPL B	11-Jun-10	0 - 0.5	Aroclor 1248	**1.85**		MG/KG	2	0.49	NAPL
NAPL B	11-Jun-10	0 - 0.5	Aroclor 1254	**1.01**		MG/KG	2	0.49	NAPL
NAPL B	11-Jun-10	0 - 0.5	PCBs, total	**2.86**		MG/KG	2	0.49	NAPL
NAPL C	11-Jun-10	0 - 0.5	Aroclor 1248	**2.57**		MG/KG	2	0.49	NAPL
NAPL C	11-Jun-10	0 - 0.5	Aroclor 1254	**4.12**		MG/KG	2	0.49	NAPL
NAPL C	11-Jun-10	0 - 0.5	PCBs, total	**6.69**		MG/KG	2	0.49	NAPL
NAPL D	11-Jun-10	0 - 0.5	Aroclor 1248	**13.2**	E	MG/KG	2	0.49	NAPL
NAPL D	11-Jun-10	0 - 0.5	Aroclor 1254	**8.72**		MG/KG	2	0.49	NAPL
NAPL D	11-Jun-10	0 - 0.5	PCBs, total	**21.92**	E	MG/KG	2	0.49	NAPL
NAPL E	11-Jun-10	0 - 0.5	Aroclor 1248	**23**		MG/KG	2	0.49	NAPL
NAPL E	11-Jun-10	0 - 0.5	Aroclor 1254	**17.3**		MG/KG	2	0.49	NAPL
NAPL E	11-Jun-10	0 - 0.5	PCBs, total	**40.3**		MG/KG	2	0.49	NAPL
NAPL F	11-Jun-10	0 - 0.5	Aroclor 1248	**0.678**		MG/KG	2	0.49	NAPL
1I-0-0.5	15-Jun-10	0 - 0.5	Aroclor 1254	0.181		MG/KG	2	0.49	Soil
1I-0-0.5	15-Jun-10	0 - 0.5	PCBs, total	0.31		MG/KG	2	0.49	Soil
1I-1.0-1.5	15-Jun-10	1.0 - 1.5	Aroclor 1248	**1.45**	E	MG/KG	2	0.49	Soil
1I-1.0-1.5	15-Jun-10	1.0 - 1.5	Aroclor 1254	**1.18**	E	MG/KG	2	0.49	Soil
1I-1.0-1.5	15-Jun-10	1.0 - 1.5	Aroclor 1260	0.196		MG/KG	2	0.49	Soil
1I-1.0-1.5	15-Jun-10	1.0 - 1.5	PCBs, total	**2.826**	E	MG/KG	2	0.49	Soil
2G-0-0.5	15-Jun-10	0 - 0.5	Aroclor 1254	**1.26**		MG/KG	2	0.49	Soil
2G-0-0.5	15-Jun-10	0 - 0.5	PCBs, total	**1.23**		MG/KG	2	0.49	Soil
2G-1.0-1.5	15-Jun-10	1.0 - 1.5	Aroclor 1248	**4.35**		MG/KG	2	0.49	Soil
2G-1.0-1.5	15-Jun-10	1.0 - 1.5	Aroclor 1254	**4.82**		MG/KG	2	0.49	Soil
2G-1.0-1.5	15-Jun-10	1.0 - 1.5	Aroclor 1260	**0.546**		MG/KG	2	0.49	Soil
2G-1.0-1.5	15-Jun-10	1.0 - 1.5	PCBs, total	**9.716**		MG/KG	2	0.49	Soil
B17-0-0.5	15-Jun-10	0 - 0.5	Aroclor 1248	**15.2**		MG/KG	2	0.49	Soil
B17-0-0.5	15-Jun-10	0 - 0.5	Aroclor 1254	**15.6**		MG/KG	2	0.49	Soil
B17-0-0.5	15-Jun-10	0 - 0.5	PCBs, total	**30.8**		MG/KG	2	0.49	Soil
B17-0-0.5	15-Jun-10	0 - 0.5	PCBs, total	**30.8**		MG/KG	2	0.49	Soil
B17-1.0-1.5	15-Jun-10	1.0 - 1.5	Aroclor 1248	0.0533		MG/KG	2	0.49	Soil
B17-1.0-1.5	15-Jun-10	1.0 - 1.5	Aroclor 1254	0.0797		MG/KG	2	0.49	Soil
B17-1.0-1.5	15-Jun-10	1.0 - 1.5	PCBs, total	0.133		MG/KG	2	0.49	Soil
B9-SE-0-0.5	15-Jun-10	0 - 0.5	Aroclor 1248	**3.74**		MG/KG	2	0.49	Soil
B9-SE-0-0.5	15-Jun-10	0 - 0.5	Aroclor 1254	**4.81**		MG/KG	2	0.49	Soil
B9-SE-1.0-1.5	15-Jun-10	1.0 - 1.5	Aroclor 1248	0.0672		MG/KG	2	0.49	Soil
B9-SE-1.0-1.5	15-Jun-10	1.0 - 1.5	Aroclor 1254	0.088		MG/KG	2	0.49	Soil
B9-SE-1.0-1.5	15-Jun-10	1.0 - 1.5	PCBs, total	0.1552		MG/KG	2	0.49	Soil
BW-W	21-Jun-10	0 - 0.5	Aroclor 1254	**360**		UG/KG	2	0.49	Soil
BW-X	21-Jun-10	0 - 0.5	Aroclor 1254	**1000**		UG/KG	2	0.49	Soil
CD-05-0-0.5	15-Jun-10	0 - 0.5	Aroclor 1248	**2.44**		MG/KG	2	0.49	Soil

TABLE 6-1
DETECTED PCBs IN SOIL AND NAPL
2010 HATCO-RELATED SAMPLES

Sample Name	Sample Date	Sample Interval (ft)	Analyte	Conc. [a]		Units	NRDCSCC [b]	RDCSCC [c]	Matrix
CD-05-1.0-1.5	15-Jun-10	1.0 - 1.5	PCBs, total	3.27		MG/KG	2	0.49	Soil
HD1-0-0.5	15-Jun-10	0 - 0.5	Aroclor 1248	2.39		MG/KG	2	0.49	Soil
HD1-0-0.5	15-Jun-10	0 - 0.5	PCBs, total	2.39		MG/KG	2	0.49	Soil
HD10-0-0.5	15-Jun-10	0 - 0.5	Aroclor 1254	0.0878		MG/KG	2	0.49	Soil
HD10-0-0.5	15-Jun-10	0 - 0.5	PCBs, total	0.0878		MG/KG	2	0.49	Soil
HD-11 (2-2.5)	02-Jul-10	2.0 - 2.5	Aroclor 1248	0.161		MG/KG	2	0.49	Soil
HD-11 (2-2.5)	02-Jul-10	2.0 - 2.5	Aroclor 1254	0.108		MG/KG	2	0.49	Soil
HD-11 (2-2.5)	02-Jul-10	2.0 - 2.5	PCBs, total	0.269		MG/KG	2	0.49	Soil
HD-12 (0-0.5)	02-Jul-10	0 - 0.5	Aroclor 1248	3.95	E	MG/KG	2	0.49	Soil
HD-12 (0-0.5)	02-Jul-10	0 - 0.5	Aroclor 1254	2.47	E	MG/KG	2	0.49	Soil
HD-12 (0-0.5)	02-Jul-10	0 - 0.5	PCBs, total	6.42	E	MG/KG	2	0.49	Soil
HD-12 (2-2.5)	02-Jul-10	2.0 - 2.5	Aroclor 1248	1.96	E	MG/KG	2	0.49	Soil
HD-12 (2-2.5)	02-Jul-10	2.0 - 2.5	Aroclor 1254	1.13	E	MG/KG	2	0.49	Soil
HD-12 (2-2.5)	02-Jul-10	2.0 - 2.5	PCBs, total	3.08	E	MG/KG	2	0.49	Soil
HD2-0-0.5	15-Jun-10	0 - 0.5	Aroclor 1248	0.175		MG/KG	2	0.49	Soil
HD2-0-0.5	15-Jun-10	0 - 0.5	Aroclor 1254	0.234		MG/KG	2	0.49	Soil
HD2-0-0.5	15-Jun-10	0 - 0.5	Aroclor 1260	0.0343		MG/KG	2	0.49	Soil
HD2-0-0.5	15-Jun-10	0 - 0.5	PCBs, total	0.4433		MG/KG	2	0.49	Soil
HD2-2-2.5	15-Jun-10	2.0 - 2.5	Aroclor 1248	0.266		MG/KG	2	0.49	Soil
HD2-2-2.5	15-Jun-10	2.0 - 2.5	Aroclor 1254	0.228		MG/KG	2	0.49	Soil
HD2-2-2.5	15-Jun-10	2.0 - 2.5	Aroclor 1260	0.0342		MG/KG	2	0.49	Soil
HD2-2-2.5	15-Jun-10	2.0 - 2.5	PCBs, total	0.5282		MG/KG	2	0.49	Soil
HD5-0-0.5	15-Jun-10	0 - 0.5	Aroclor 1248	2		MG/KG	2	0.49	Soil
HD5-0-0.5	15-Jun-10	0 - 0.5	PCBs, total	2		MG/KG	2	0.49	Soil
HD5-2-2.5	15-Jun-10	2.0 - 2.5	Aroclor 1242	4.9		MG/KG	2	0.49	Soil
HD5-2-2.5	15-Jun-10	2.0 - 2.5	Aroclor 1248	5.96		MG/KG	2	0.49	Soil
HD5-2-2.5	15-Jun-10	2.0 - 2.5	PCBs, total	10.86		MG/KG	2	0.49	Soil
HD6-0-0.5	15-Jun-10	0 - 0.5	Aroclor 1248	4.08		MG/KG	2	0.49	Soil
HD6-0-0.5	15-Jun-10	0 - 0.5	PCBs, total	4.08		MG/KG	2	0.49	Soil
HD6-2-2.5	15-Jun-10	2.0 - 2.5	Aroclor 1242	0.262		MG/KG	2	0.49	Soil
HD6-2-2.5	15-Jun-10	2.0 - 2.5	Aroclor 1248	0.379		MG/KG	2	0.49	Soil
HD6-2-2.5	15-Jun-10	2.0 - 2.5	Aroclor 1254	0.191		MG/KG	2	0.49	Soil
HD6-2-2.5	15-Jun-10	2.0 - 2.5	PCBs, total	0.832		MG/KG	2	0.49	Soil
HD7-0-0.5	15-Jun-10	0 - 0.5	Aroclor 1254	2.93		MG/KG	2	0.49	Soil
HD7-0-0.5	15-Jun-10	0 - 0.5	PCBs, total	2.93		MG/KG	2	0.49	Soil
HD7-2-2.5	15-Jun-10	2.0 - 2.5	Aroclor 1248	2.99		MG/KG	2	0.49	Soil
HD7-2-2.5	15-Jun-10	2.0 - 2.5	Aroclor 1254	3.16		MG/KG	2	0.49	Soil
HD7-2-2.5	15-Jun-10	2.0 - 2.5	PCBs, total	6.15		MG/KG	2	0.49	Soil
HD8-0-0.5	15-Jun-10	0 - 0.5	Aroclor 1248	0.641		MG/KG	2	0.49	Soil
HD8-0-0.5	15-Jun-10	0 - 0.5	Aroclor 1254	1.05		MG/KG	2	0.49	Soil

TABLE 6-1
DETECTED PCBs IN SOIL AND NAPL
2010 HATCO-RELATED SAMPLES

Sample Name	Sample Date	Sample Interval (ft)	Analyte	Conc. (a.)	Units	NRDCSCC (b.)	RDCSCC (c.)	Matrix
HD8-0-0.5	15-Jun-10	0 - 0.5	Aroclor 1260	0.167	MG/KG	2	0.49	Soil
HD8-0-0.5	15-Jun-10	0 - 0.5	PCBs, total	**1.858**	MG/KG	2	0.49	Soil
HD8-2-2.5	15-Jun-10	2.0 - 2.5	Aroclor 1248	**2.13**	MG/KG	2	0.49	Soil
HD8-2-2.5	15-Jun-10	2.0 - 2.5	Aroclor 1254	**2.74**	MG/KG	2	0.49	Soil
HD8-2-2.5	15-Jun-10	2.0 - 2.5	PCBs, total	**4.87**	MG/KG	2	0.49	Soil
HD9-0-0.5	15-Jun-10	0 - 0.5	Aroclor 1248	0.035	MG/KG	2	0.49	Soil
HD9-0-0.5	15-Jun-10	0 - 0.5	Aroclor 1254	0.0412	MG/KG	2	0.49	Soil
HD9-2-2.5	15-Jun-10	2.0 - 2.5	Aroclor 1254	0.008	MG/KG	2	0.49	Soil
HD9-2-2.5	15-Jun-10	2.0 - 2.5	PCBs, total	0.008	MG/KG	2	0.49	Soil
NAPL C SO-1	11-Jun-10	1.0 - 1.5	Aroclor 1248	0.0842	MG/KG	2	0.49	Soil
NAPL C SO-1	11-Jun-10	1.0 - 1.5	PCBs, total	0.0842	MG/KG	2	0.49	Soil
NAPL D SO-1	11-Jun-10	1.0 - 1.5	Aroclor 1248	**0.63**	MG/KG	2	0.49	Soil
NAPL D SO-1	11-Jun-10	1.0 - 1.5	Aroclor 1254	0.458	MG/KG	2	0.49	Soil
NAPL D SO-1	11-Jun-10	1.0 - 1.5	Aroclor 1260	0.186	MG/KG	2	0.49	Soil
NAPL D SO-1	11-Jun-10	1.0 - 1.5	PCBs, total	**1.274**	MG/KG	2	0.49	Soil
NAPL E SO-1	11-Jun-10	1.0 - 1.5	Aroclor 1248	0.346	MG/KG	2	0.49	Soil
NAPL E SO-1	11-Jun-10	1.0 - 1.5	Aroclor 1254	0.36	MG/KG	2	0.49	Soil
NAPL E SO-1	11-Jun-10	1.0 - 1.5	PCBs, total	**0.706**	MG/KG	2	0.49	Soil

Notes:
a. Concentrations that is boxed and bolded exceeds the applicable RDCSCC.
b. Non-Residential Direct Contact Soil Cleanup Criterion.
c. Residential Direct Contact Soil Cleanup Criterion. The NJDEP has previously agreed to apply the former 0.49 mg/kg RDCSCC rather than the current 1.0 mg/kg Residential Direct Contact Soil Remediation Standard

TABLE 6-2
DETECTED VOCs/SVOCs IN SOIL AND NAPL
2010 HATCO-RELATED SAMPLES

Sample Name	Sample Date	Sample Interval (ft)	Analyte	Conc. (a.)	Units	NRDCSRS (b.)	RDCSRS (c.)	Matrix
NAPL B	11-Jun-10	0 - 0.5	1,2,4-Trimethylbenzene	5.75	mg/kg	--	--	NAPL
NAPL B	11-Jun-10	0 - 0.5	1,2-Dimethylbenzene (o-Xylene)	0.964	mg/kg	--	--	NAPL
NAPL B	11-Jun-10	0 - 0.5	1,3,5-Trimethylbenzene (mesitylene)	1.06	mg/kg	--	--	NAPL
NAPL B	11-Jun-10	0 - 0.5	1-Methyl-7-(1-methylethyl)phenanthrene	57.7	mg/kg	--	--	NAPL
NAPL B	11-Jun-10	0 - 0.5	1-Methylnaphthalene	169	mg/kg	--	--	NAPL
NAPL B	11-Jun-10	0 - 0.5	1-Methylnaphthalene	69.9	mg/kg	--	--	NAPL
NAPL B	11-Jun-10	0 - 0.5	1-Methylpyrene	50	mg/kg	--	--	NAPL
NAPL B	11-Jun-10	0 - 0.5	2,6,10,14-Tetramethylhexadecane	125	mg/kg	--	--	NAPL
NAPL B	11-Jun-10	0 - 0.5	2,6,10,14-Tetramethylpentadecane	155	mg/kg	--	--	NAPL
NAPL B	11-Jun-10	0 - 0.5	2,6,10-Trimethyldodecane	52	mg/kg	--	--	NAPL
NAPL B	11-Jun-10	0 - 0.5	2,6,10-Trimethylpentadecane	65.4	mg/kg	--	--	NAPL
NAPL B	11-Jun-10	0 - 0.5	2,6,10-trimethyltridecane	59.3	mg/kg	--	--	NAPL
NAPL B	11-Jun-10	0 - 0.5	2-Methylnaphthalene	41.5	mg/kg	2400	230	NAPL
NAPL B	11-Jun-10	0 - 0.5	2-Methylpyrene	49.5	mg/kg	--	--	NAPL
NAPL B	11-Jun-10	0 - 0.5	4-Isopropyltoluene (p-Cymene)	1.85	mg/kg	--	--	NAPL
NAPL B	11-Jun-10	0 - 0.5	4-Methylpyrene	67.4	mg/kg	--	--	NAPL
NAPL B	11-Jun-10	0 - 0.5	Anthracene	54.7 J	mg/kg	30000	17000	NAPL
NAPL B	11-Jun-10	0 - 0.5	Anthracene	33.2	mg/kg	30000	17000	NAPL
NAPL B	11-Jun-10	0 - 0.5	Benzene	0.991 B	mg/kg	5	2	NAPL
NAPL B	11-Jun-10	0 - 0.5	Benzo(a)anthracene	**15.2**	mg/kg	2	0.6	NAPL
NAPL B	11-Jun-10	0 - 0.5	Benzo(a)pyrene	**12.7**	mg/kg	0.2	0.2	NAPL
NAPL B	11-Jun-10	0 - 0.5	Benzo(b)fluoranthene	**5.88**	mg/kg	2	0.6	NAPL
NAPL B	11-Jun-10	0 - 0.5	Benzo(b)naphtho(2,1-d)thiophene	20.9	mg/kg	--	--	NAPL
NAPL B	11-Jun-10	0 - 0.5	Benzo(b/c)fluorenes	13.5	mg/kg	--	--	NAPL
NAPL B	11-Jun-10	0 - 0.5	Benzo(e)pyrene	22.3	mg/kg	--	--	NAPL
NAPL B	11-Jun-10	0 - 0.5	Benzo(g,h,i)perylene	10.5	mg/kg	30000	380000	NAPL
NAPL B	11-Jun-10	0 - 0.5	Benzo(k)fluoranthene	2.58	mg/kg	23	6	NAPL
NAPL B	11-Jun-10	0 - 0.5	bis(2-Ethylhexyl)phthalate	**127**	mg/kg	140	35	NAPL
NAPL B	11-Jun-10	0 - 0.5	C1 - Benz(a)anthracene/Chrysene	102	mg/kg	--	--	NAPL
NAPL B	11-Jun-10	0 - 0.5	C1 - Benzene	0.914 B	mg/kg	--	--	NAPL
NAPL B	11-Jun-10	0 - 0.5	C1 - Dibenzothiophene	157	mg/kg	--	--	NAPL
NAPL B	11-Jun-10	0 - 0.5	C1 - Fluoranthene/Pyrene	248	mg/kg	--	--	NAPL
NAPL B	11-Jun-10	0 - 0.5	C1 - Fluorene	104	mg/kg	--	--	NAPL
NAPL B	11-Jun-10	0 - 0.5	C1 - Naphthalene	71.1	mg/kg	--	--	NAPL
NAPL B	11-Jun-10	0 - 0.5	C1 - Phenanthrene/Anthracene	298	mg/kg	--	--	NAPL
NAPL B	11-Jun-10	0 - 0.5	C2 - Benz(a)anthracene/Chrysene	154	mg/kg	--	--	NAPL
NAPL B	11-Jun-10	0 - 0.5	C2 - Benzene	1.32	mg/kg	--	--	NAPL
NAPL B	11-Jun-10	0 - 0.5	C2 - Dibenzothiophene	276	mg/kg	--	--	NAPL
NAPL B	11-Jun-10	0 - 0.5	C2 - Fluoranthene/Pyrene	262	mg/kg	--	--	NAPL
NAPL B	11-Jun-10	0 - 0.5	C2 - Fluorene	233	mg/kg	--	--	NAPL

TABLE 6-2
DETECTED VOCs/SVOCs IN SOIL AND NAPL
2010 HATCO-RELATED SAMPLES

Sample Name	Sample Date	Sample Interval (ft)	Analyte	Conc. (a.)	Units	NRDCSRS (b.)	RDCSRS (c.)	Matrix
NAPL B	11-Jun-10	0 - 0.5	C2 - Naphthalene	232	mg/kg	--	--	NAPL
NAPL B	11-Jun-10	0 - 0.5	C2 - Phenanthrene/Anthracene	493	mg/kg	--	--	NAPL
NAPL B	11-Jun-10	0 - 0.5	C3 - Benz(a)anthracene/Chrysene	123	mg/kg	--	--	NAPL
NAPL B	11-Jun-10	0 - 0.5	C3 - Benzene	10	mg/kg	--	--	NAPL
NAPL B	11-Jun-10	0 - 0.5	C3 - Dibenzothiophene	285	mg/kg	--	--	NAPL
NAPL B	11-Jun-10	0 - 0.5	C3 - Fluoranthene/Pyrene	223	mg/kg	--	--	NAPL
NAPL B	11-Jun-10	0 - 0.5	C3 - Fluorene	266	mg/kg	--	--	NAPL
NAPL B	11-Jun-10	0 - 0.5	C3 - Naphthalene	368	mg/kg	--	--	NAPL
NAPL B	11-Jun-10	0 - 0.5	C3 - Phenanthrene/Anthracene	391	mg/kg	--	--	NAPL
NAPL B	11-Jun-10	0 - 0.5	C4 - Benz(a)anthracene/Chrysene	87	mg/kg	--	--	NAPL
NAPL B	11-Jun-10	0 - 0.5	C4 - Benzene	33.3	mg/kg	--	--	NAPL
NAPL B	11-Jun-10	0 - 0.5	C4 - Dibenzothiophene	170	mg/kg	--	--	NAPL
NAPL B	11-Jun-10	0 - 0.5	C4 - Naphthalene	338	mg/kg	--	--	NAPL
NAPL B	11-Jun-10	0 - 0.5	C4 - Phenanthrene/Anthracene	191	mg/kg	--	--	NAPL
NAPL B	11-Jun-10	0 - 0.5	C5 - Benzene	48.2	mg/kg	--	--	NAPL
NAPL B	11-Jun-10	0 - 0.5	Chrysene	**64.2** J	mg/kg	230	62	NAPL
NAPL B	11-Jun-10	0 - 0.5	Chrysene	35.4	mg/kg	230	62	NAPL
NAPL B	11-Jun-10	0 - 0.5	cis-Decahydronaphthalene	1.15	mg/kg	--	--	NAPL
NAPL B	11-Jun-10	0 - 0.5	Coronene	1.1	mg/kg	--	--	NAPL
NAPL B	11-Jun-10	0 - 0.5	Dibenz(a,h)anthracene	**1.49**	mg/kg	0.2	0.2	NAPL
NAPL B	11-Jun-10	0 - 0.5	Dibenzofuran	9.87	mg/kg	--	--	NAPL
NAPL B	11-Jun-10	0 - 0.5	Dibenzothiophene	43.4	mg/kg	--	--	NAPL
NAPL B	11-Jun-10	0 - 0.5	Fluoranthene	14.6	mg/kg	24000	2300	NAPL
NAPL B	11-Jun-10	0 - 0.5	Fluorene	81.2 J	mg/kg	24000	2300	NAPL
NAPL B	11-Jun-10	0 - 0.5	Fluorene	32.8	mg/kg	24000	2300	NAPL
NAPL B	11-Jun-10	0 - 0.5	Indeno(1,2,3-c,d)pyrene	**3.9**	mg/kg	2	0.6	NAPL
NAPL B	11-Jun-10	0 - 0.5	Isopropylbenzene (Cumene)	1.06	mg/kg	--	--	NAPL
NAPL B	11-Jun-10	0 - 0.5	Naphthalene	4.45	mg/kg	17	6	NAPL
NAPL B	11-Jun-10	0 - 0.5	n-Butylbenzene	2.9	mg/kg	--	--	NAPL
NAPL B	11-Jun-10	0 - 0.5	Perylene	7.29 B	mg/kg	--	--	NAPL
NAPL B	11-Jun-10	0 - 0.5	Phenanthrene	182	mg/kg	300000	--	NAPL
NAPL B	11-Jun-10	0 - 0.5	Phenanthrene	76	mg/kg	300000	--	NAPL
NAPL B	11-Jun-10	0 - 0.5	Pyrene	242	mg/kg	18000	1700	NAPL
NAPL B	11-Jun-10	0 - 0.5	Pyrene	106	mg/kg	18000	1700	NAPL
NAPL B	11-Jun-10	0 - 0.5	sec-Butylbenzene	1.2	mg/kg	--	--	NAPL
NAPL B	11-Jun-10	0 - 0.5	Toluene	1.28 B	mg/kg	91000	6300	NAPL
NAPL B	11-Jun-10	0 - 0.5	trans-Decahydronaphthalene	8.69	mg/kg	--	--	NAPL
NAPL B	11-Jun-10	0 - 0.5	Xylenes, m & p	0.919	mg/kg	170000	12000	NAPL
NAPL C	11-Jun-10	0 - 0.5	1,2,4-Trimethylbenzene	8.06	mg/kg	--	--	NAPL
NAPL C	11-Jun-10	0 - 0.5	1,2-Dimethylbenzene (o-Xylene)	1.67	mg/kg	--	--	NAPL

TABLE 6-2
DETECTED VOCs/SVOCs IN SOIL AND NAPL
2010 HATCO-RELATED SAMPLES

Sample Name	Sample Date	Sample Interval (ft)	Analyte	Conc. (a.)		Units	NRDCSRS (b.)	RDCSRS (c.)	Matrix
NAPL C	11-Jun-10	0 - 0.5	1,3,5-Trimethylbenzene (mesitylene)	2.48		mg/kg	--	--	NAPL
NAPL C	11-Jun-10	0 - 0.5	1-Methyl-7-(1-methylethyl)phenanthrene	28.8		mg/kg	--	--	NAPL
NAPL C	11-Jun-10	0 - 0.5	1-Methylnaphthalene	187		mg/kg	--	--	NAPL
NAPL C	11-Jun-10	0 - 0.5	1-Methylnaphthalene	95.4		mg/kg	--	--	NAPL
NAPL C	11-Jun-10	0 - 0.5	1-Methylpyrene	36		mg/kg	--	--	NAPL
NAPL C	11-Jun-10	0 - 0.5	2,6,10,14-Tetramethylhexadecane	98.2		mg/kg	--	--	NAPL
NAPL C	11-Jun-10	0 - 0.5	2,6,10,14-Tetramethylpentadecane	114		mg/kg	--	--	NAPL
NAPL C	11-Jun-10	0 - 0.5	2,6,10-Trimethyldodecane	30.3		mg/kg	--	--	NAPL
NAPL C	11-Jun-10	0 - 0.5	2,6,10-Trimethylpentadecane	52.2		mg/kg	--	--	NAPL
NAPL C	11-Jun-10	0 - 0.5	2,6,10-trimethyltridecane	43.8		mg/kg	--	--	NAPL
NAPL C	11-Jun-10	0 - 0.5	2-Methylnaphthalene	100		mg/kg	2400	230	NAPL
NAPL C	11-Jun-10	0 - 0.5	2-Methylpyrene	35		mg/kg	--	--	NAPL
NAPL C	11-Jun-10	0 - 0.5	4-Isopropyltoluene (p-Cymene)	2.14		mg/kg	--	--	NAPL
NAPL C	11-Jun-10	0 - 0.5	4-Methylpyrene	47.1		mg/kg	--	--	NAPL
NAPL C	11-Jun-10	0 - 0.5	Anthracene	26.1		mg/kg	30000	17000	NAPL
NAPL C	11-Jun-10	0 - 0.5	Benzene	**2.25**	B	mg/kg	5	2	NAPL
NAPL C	11-Jun-10	0 - 0.5	Benzo(a)anthracene	**11.4**		mg/kg	2	0.6	NAPL
NAPL C	11-Jun-10	0 - 0.5	Benzo(a)pyrene	**8.73**		mg/kg	0.2	0.2	NAPL
NAPL C	11-Jun-10	0 - 0.5	Benzo(b)fluoranthene	**4.14**		mg/kg	2	0.6	NAPL
NAPL C	11-Jun-10	0 - 0.5	Benzo(b)naphtho(2,1-d)thiophene	15.7		mg/kg	--	--	NAPL
NAPL C	11-Jun-10	0 - 0.5	Benzo(b/c)fluorenes	9.98		mg/kg	--	--	NAPL
NAPL C	11-Jun-10	0 - 0.5	Benzo(e)pyrene	14.2		mg/kg	--	--	NAPL
NAPL C	11-Jun-10	0 - 0.5	Benzo(g,h,i)perylene	6.27		mg/kg	30000	380000	NAPL
NAPL C	11-Jun-10	0 - 0.5	Benzo(k)fluoranthene	1.64		mg/kg	23	6	NAPL
NAPL C	11-Jun-10	0 - 0.5	bis(2-Ethylhexyl)phthalate	**90.2**		mg/kg	140	35	NAPL
NAPL C	11-Jun-10	0 - 0.5	C1 - Benz(a)anthracene/Chrysene	72.4		mg/kg	--	--	NAPL
NAPL C	11-Jun-10	0 - 0.5	C1 - Benzene	1.48	B	mg/kg	--	--	NAPL
NAPL C	11-Jun-10	0 - 0.5	C1 - Dibenzothiophene	134		mg/kg	--	--	NAPL
NAPL C	11-Jun-10	0 - 0.5	C1 - Fluoranthene/Pyrene	182		mg/kg	--	--	NAPL
NAPL C	11-Jun-10	0 - 0.5	C1 - Fluorene	88.6		mg/kg	--	--	NAPL
NAPL C	11-Jun-10	0 - 0.5	C1 - Naphthalene	124		mg/kg	--	--	NAPL
NAPL C	11-Jun-10	0 - 0.5	C1 - Phenanthrene/Anthracene	280		mg/kg	--	--	NAPL
NAPL C	11-Jun-10	0 - 0.5	C2 - Benz(a)anthracene/Chrysene	101		mg/kg	--	--	NAPL
NAPL C	11-Jun-10	0 - 0.5	C2 - Benzene	2.8		mg/kg	--	--	NAPL
NAPL C	11-Jun-10	0 - 0.5	C2 - Dibenzothiophene	222		mg/kg	--	--	NAPL
NAPL C	11-Jun-10	0 - 0.5	C2 - Fluoranthene/Pyrene	173		mg/kg	--	--	NAPL
NAPL C	11-Jun-10	0 - 0.5	C2 - Fluorene	174		mg/kg	--	--	NAPL
NAPL C	11-Jun-10	0 - 0.5	C2 - Naphthalene	293		mg/kg	--	--	NAPL
NAPL C	11-Jun-10	0 - 0.5	C2 - Phenanthrene/Anthracene	389		mg/kg	--	--	NAPL
NAPL C	11-Jun-10	0 - 0.5	C3 - Benz(a)anthracene/Chrysene	82.1		mg/kg	--	--	NAPL

TABLE 6-2
DETECTED VOCs/SVOCs IN SOIL AND NAPL
2010 HATCO-RELATED SAMPLES

Sample Name	Sample Date	Sample Interval (ft)	Analyte	Conc. (a.)	Units	NRDCSRS (b.)	RDCSRS (c.)	Matrix
NAPL C	11-Jun-10	0 - 0.5	C3 - Benzene	13	mg/kg	--	--	NAPL
NAPL C	11-Jun-10	0 - 0.5	C3 - Dibenzothiophene	218	mg/kg	--	--	NAPL
NAPL C	11-Jun-10	0 - 0.5	C3 - Fluoranthene/Pyrene	151	mg/kg	--	--	NAPL
NAPL C	11-Jun-10	0 - 0.5	C3 - Fluorene	190	mg/kg	--	--	NAPL
NAPL C	11-Jun-10	0 - 0.5	C3 - Naphthalene	348	mg/kg	--	--	NAPL
NAPL C	11-Jun-10	0 - 0.5	C3 - Phenanthrene/Anthracene	289	mg/kg	--	--	NAPL
NAPL C	11-Jun-10	0 - 0.5	C4 - Benz(a)anthracene/Chrysene	56.4	mg/kg	--	--	NAPL
NAPL C	11-Jun-10	0 - 0.5	C4 - Benzene	28.8	mg/kg	--	--	NAPL
NAPL C	11-Jun-10	0 - 0.5	C4 - Dibenzothiophene	170	mg/kg	--	--	NAPL
NAPL C	11-Jun-10	0 - 0.5	C4 - Naphthalene	277	mg/kg	--	--	NAPL
NAPL C	11-Jun-10	0 - 0.5	C4 - Phenanthrene/Anthracene	134	mg/kg	--	--	NAPL
NAPL C	11-Jun-10	0 - 0.5	C5 - Benzene	32	mg/kg	--	--	NAPL
NAPL C	11-Jun-10	0 - 0.5	Chloronaphthalene	26 J *	mg/kg	--	--	NAPL
NAPL C	11-Jun-10	0 - 0.5	Chrysene	40 J	mg/kg	230	62	NAPL
NAPL C	11-Jun-10	0 - 0.5	Chrysene	26.7	mg/kg	230	62	NAPL
NAPL C	11-Jun-10	0 - 0.5	cis-Decahydronaphthalene	0.617 J	mg/kg	--	--	NAPL
NAPL C	11-Jun-10	0 - 0.5	Coronene	0.899 J	mg/kg	--	--	NAPL
NAPL C	11-Jun-10	0 - 0.5	Dibenz(a,h)anthracene	**1.13**	mg/kg	0.2	0.2	NAPL
NAPL C	11-Jun-10	0 - 0.5	Dibenzofuran	8.69	mg/kg	--	--	NAPL
NAPL C	11-Jun-10	0 - 0.5	Dibenzothiophene	40.9	mg/kg	--	--	NAPL
NAPL C	11-Jun-10	0 - 0.5	Ethylbenzene	1.03	mg/kg	110000	7800	NAPL
NAPL C	11-Jun-10	0 - 0.5	Fluoranthene	10.3	mg/kg	24000	2300	NAPL
NAPL C	11-Jun-10	0 - 0.5	Fluorene	56.6 J	mg/kg	24000	2300	NAPL
NAPL C	11-Jun-10	0 - 0.5	Fluorene	25.8	mg/kg	24000	2300	NAPL
NAPL C	11-Jun-10	0 - 0.5	Indeno(1,2,3-c,d)pyrene	**2.59**	mg/kg	2	0.6	NAPL
NAPL C	11-Jun-10	0 - 0.5	Isopropylbenzene (Cumene)	0.938 J	mg/kg	--	--	NAPL
NAPL C	11-Jun-10	0 - 0.5	Naphthalene	**15.7**	mg/kg	17	6	NAPL
NAPL C	11-Jun-10	0 - 0.5	n-Butylbenzene	2.55	mg/kg	--	--	NAPL
NAPL C	11-Jun-10	0 - 0.5	n-Heptadecane (C17)	132	mg/kg	--	--	NAPL
NAPL C	11-Jun-10	0 - 0.5	n-Octadecane (C18)	139	mg/kg	--	--	NAPL
NAPL C	11-Jun-10	0 - 0.5	Perylene	3.46 B	mg/kg	--	--	NAPL
NAPL C	11-Jun-10	0 - 0.5	Phenanthrene	169	mg/kg	300000	--	NAPL
NAPL C	11-Jun-10	0 - 0.5	Phenanthrene	86.6	mg/kg	300000	--	NAPL
NAPL C	11-Jun-10	0 - 0.5	Pyrene	151	mg/kg	18000	1700	NAPL
NAPL C	11-Jun-10	0 - 0.5	Pyrene	77.2	mg/kg	18000	1700	NAPL
NAPL C	11-Jun-10	0 - 0.5	sec-Butylbenzene	0.815 J	mg/kg	--	--	NAPL
NAPL C	11-Jun-10	0 - 0.5	Toluene	2.3 B	mg/kg	91000	6300	NAPL
NAPL C	11-Jun-10	0 - 0.5	trans-Decahydronaphthalene	4.29	mg/kg	--	--	NAPL
NAPL C	11-Jun-10	0 - 0.5	Xylenes, m & p	2.57	mg/kg	170000	12000	NAPL
NAPL D	11-Jun-10	0 - 0.5	1,2,3-Trichlorobenzene	100	mg/kg	--	--	NAPL

TABLE 6-2
DETECTED VOCs/SVOCs IN SOIL AND NAPL
2010 HATCO-RELATED SAMPLES

Sample Name	Sample Date	Sample Interval (ft)	Analyte	Conc. (a.)	Units	NRDCSRS (b.)	RDCSRS (c.)	Matrix
NAPL D	11-Jun-10	0 - 0.5	1,2,4-Trichlorobenzene	**251**	mg/kg	820	73	NAPL
NAPL D	11-Jun-10	0 - 0.5	1,2,4-Trimethylbenzene	0.669 J	mg/kg	--	--	NAPL
NAPL D	11-Jun-10	0 - 0.5	1,2-Dichlorobenzene	2760	mg/kg	59000	5300	NAPL
NAPL D	11-Jun-10	0 - 0.5	1,3-Dichlorobenzene	615	mg/kg	59000	5300	NAPL
NAPL D	11-Jun-10	0 - 0.5	1,4-Dichlorobenzene	**1120**	mg/kg	13	5	NAPL
NAPL D	11-Jun-10	0 - 0.5	1-Methyl-7-(1-methylethyl)phenanthrene	3.8	mg/kg	--	--	NAPL
NAPL D	11-Jun-10	0 - 0.5	1-Methylnaphthalene	14.6	mg/kg	--	--	NAPL
NAPL D	11-Jun-10	0 - 0.5	1-Methylpyrene	4	mg/kg	--	--	NAPL
NAPL D	11-Jun-10	0 - 0.5	2,6,10,14-Tetramethylhexadecane	38.7	mg/kg	--	--	NAPL
NAPL D	11-Jun-10	0 - 0.5	2,6,10,14-Tetramethylpentadecane	49	mg/kg	--	--	NAPL
NAPL D	11-Jun-10	0 - 0.5	2,6,10-Trimethyldodecane	3.72	mg/kg	--	--	NAPL
NAPL D	11-Jun-10	0 - 0.5	2,6,10-Trimethylpentadecane	20.7	mg/kg	--	--	NAPL
NAPL D	11-Jun-10	0 - 0.5	2,6,10-trimethyltridecane	11.8	mg/kg	--	--	NAPL
NAPL D	11-Jun-10	0 - 0.5	2-Methylnaphthalene	5.95	mg/kg	2400	230	NAPL
NAPL D	11-Jun-10	0 - 0.5	2-Methylpyrene	4.02	mg/kg	--	--	NAPL
NAPL D	11-Jun-10	0 - 0.5	4-Isopropyltoluene (p-Cymene)	0.787 J	mg/kg	--	--	NAPL
NAPL D	11-Jun-10	0 - 0.5	4-Methylpyrene	5.24	mg/kg	--	--	NAPL
NAPL D	11-Jun-10	0 - 0.5	Anthracene	2.8	mg/kg	30000	17000	NAPL
NAPL D	11-Jun-10	0 - 0.5	Benzene	1.72 B	mg/kg	5	2	NAPL
NAPL D	11-Jun-10	0 - 0.5	Benzo(a)anthracene	**1.16**	mg/kg	2	0.6	NAPL
NAPL D	11-Jun-10	0 - 0.5	Benzo(a)pyrene	**1.17**	mg/kg	0.2	0.2	NAPL
NAPL D	11-Jun-10	0 - 0.5	Benzo(b)fluoranthene	**0.647** J	mg/kg	2	0.6	NAPL
NAPL D	11-Jun-10	0 - 0.5	Benzo(b)naphtho(2,1-d)thiophene	1.9	mg/kg	--	--	NAPL
NAPL D	11-Jun-10	0 - 0.5	Benzo(b/c)fluorenes	2.35	mg/kg	--	--	NAPL
NAPL D	11-Jun-10	0 - 0.5	Benzo(e)pyrene	1.71	mg/kg	--	--	NAPL
NAPL D	11-Jun-10	0 - 0.5	Benzo(g,h,i)perylene	0.823 J	mg/kg	30000	380000	NAPL
NAPL D	11-Jun-10	0 - 0.5	bis(2-Ethylhexyl)phthalate	**307**	mg/kg	140	35	NAPL
NAPL D	11-Jun-10	0 - 0.5	C1 - Benz(a)anthracene/Chrysene	9.14	mg/kg	--	--	NAPL
NAPL D	11-Jun-10	0 - 0.5	C1 - Benzene	0.896 JB	mg/kg	--	--	NAPL
NAPL D	11-Jun-10	0 - 0.5	C1 - Dibenzothiophene	27.2	mg/kg	--	--	NAPL
NAPL D	11-Jun-10	0 - 0.5	C1 - Fluoranthene/Pyrene	51.8	mg/kg	--	--	NAPL
NAPL D	11-Jun-10	0 - 0.5	C1 - Fluorene	12	mg/kg	--	--	NAPL
NAPL D	11-Jun-10	0 - 0.5	C1 - Naphthalene	12.9	mg/kg	--	--	NAPL
NAPL D	11-Jun-10	0 - 0.5	C1 - Phenanthrene/Anthracene	38	mg/kg	--	--	NAPL
NAPL D	11-Jun-10	0 - 0.5	C2 - Benz(a)anthracene/Chrysene	15.5	mg/kg	--	--	NAPL
NAPL D	11-Jun-10	0 - 0.5	C2 - Benzene	0.737 J	mg/kg	--	--	NAPL
NAPL D	11-Jun-10	0 - 0.5	C2 - Dibenzothiophene	30.6	mg/kg	--	--	NAPL
NAPL D	11-Jun-10	0 - 0.5	C2 - Fluoranthene/Pyrene	22.4	mg/kg	--	--	NAPL
NAPL D	11-Jun-10	0 - 0.5	C2 - Fluorene	22.2	mg/kg	--	--	NAPL
NAPL D	11-Jun-10	0 - 0.5	C2 - Naphthalene	30.1	mg/kg	--	--	NAPL

TABLE 6-2
DETECTED VOCs/SVOCs IN SOIL AND NAPL
2010 HATCO-RELATED SAMPLES

Sample Name	Sample Date	Sample Interval (ft)	Analyte	Conc. (a.)	Units	NRDCSRS (b.)	RDCSRS (c.)	Matrix
NAPL D	11-Jun-10	0 - 0.5	C2 - Phenanthrene/Anthracene	65.8	mg/kg	--	--	NAPL
NAPL D	11-Jun-10	0 - 0.5	C3 - Benz(a)anthracene/Chrysene	9.25	mg/kg	--	--	NAPL
NAPL D	11-Jun-10	0 - 0.5	C3 - Benzene	5.56	mg/kg	--	--	NAPL
NAPL D	11-Jun-10	0 - 0.5	C3 - Dibenzothiophene	41	mg/kg	--	--	NAPL
NAPL D	11-Jun-10	0 - 0.5	C3 - Fluoranthene/Pyrene	19.8	mg/kg	--	--	NAPL
NAPL D	11-Jun-10	0 - 0.5	C3 - Fluorene	28.2	mg/kg	--	--	NAPL
NAPL D	11-Jun-10	0 - 0.5	C3 - Naphthalene	51.6	mg/kg	--	--	NAPL
NAPL D	11-Jun-10	0 - 0.5	C3 - Phenanthrene/Anthracene	76.8	mg/kg	--	--	NAPL
NAPL D	11-Jun-10	0 - 0.5	C4 - Benz(a)anthracene/Chrysene	7.91	mg/kg	--	--	NAPL
NAPL D	11-Jun-10	0 - 0.5	C4 - Benzene	2.87	mg/kg	--	--	NAPL
NAPL D	11-Jun-10	0 - 0.5	C4 - Dibenzothiophene	189	mg/kg	--	--	NAPL
NAPL D	11-Jun-10	0 - 0.5	C4 - Naphthalene	39.5	mg/kg	--	--	NAPL
NAPL D	11-Jun-10	0 - 0.5	C4 - Phenanthrene/Anthracene	19.8	mg/kg	--	--	NAPL
NAPL D	11-Jun-10	0 - 0.5	C5 - Benzene	5.23	mg/kg	--	--	NAPL
NAPL D	11-Jun-10	0 - 0.5	Chlorobenzene	**521**	mg/kg	7400	510	NAPL
NAPL D	11-Jun-10	0 - 0.5	Chrysene	8.3	mg/kg	230	62	NAPL
NAPL D	11-Jun-10	0 - 0.5	cis-Decahydronaphthalene	1.02	mg/kg	--	--	NAPL
NAPL D	11-Jun-10	0 - 0.5	Dibenzofuran	2.51	mg/kg	--	--	NAPL
NAPL D	11-Jun-10	0 - 0.5	Dibenzothiophene	5.09	mg/kg	--	--	NAPL
NAPL D	11-Jun-10	0 - 0.5	dl-n-Butyl phthalate	55 J	mg/kg	68000	6100	NAPL
NAPL D	11-Jun-10	0 - 0.5	Fluoranthene	1.84	mg/kg	24000	2300	NAPL
NAPL D	11-Jun-10	0 - 0.5	Fluorene	3.48	mg/kg	24000	2300	NAPL
NAPL D	11-Jun-10	0 - 0.5	Naphthalene	5.22	mg/kg	17	6	NAPL
NAPL D	11-Jun-10	0 - 0.5	n-Heptadecane (C17)	56	mg/kg	--	--	NAPL
NAPL D	11-Jun-10	0 - 0.5	n-Octadecane (C18)	41	mg/kg	--	--	NAPL
NAPL D	11-Jun-10	0 - 0.5	Phenanthrene	12.8	mg/kg	300000	--	NAPL
NAPL D	11-Jun-10	0 - 0.5	Pyrene	10	mg/kg	18000	1700	NAPL
NAPL D	11-Jun-10	0 - 0.5	Toluene	1.33 B	mg/kg	91000	6300	NAPL
NAPL D	11-Jun-10	0 - 0.5	Xylenes, m & p	0.55 J	mg/kg	170000	12000	NAPL
NAPL E	11-Jun-10	0 - 0.5	1,2,3-Trichlorobenzene	1.97	mg/kg	--	--	NAPL
NAPL E	11-Jun-10	0 - 0.5	1,2,4-Trichlorobenzene	2.93	mg/kg	820	73	NAPL
NAPL E	11-Jun-10	0 - 0.5	1,2-Dichlorobenzene	11.3	mg/kg	59000	5300	NAPL
NAPL E	11-Jun-10	0 - 0.5	1,3-Dichlorobenzene	4.11	mg/kg	59000	5300	NAPL
NAPL E	11-Jun-10	0 - 0.5	1,4-Dichlorobenzene	**28.8**	mg/kg	13	5	NAPL
NAPL E	11-Jun-10	0 - 0.5	1-Methyl-7-(1-methylethyl)phenanthrene	0.196	mg/kg	--	--	NAPL
NAPL E	11-Jun-10	0 - 0.5	1-Methylnaphthalene	0.067 JB	mg/kg	--	--	NAPL
NAPL E	11-Jun-10	0 - 0.5	1-Methylpyrene	0.092 J	mg/kg	--	--	NAPL
NAPL E	11-Jun-10	0 - 0.5	2,4-Dimethylphenol	1.99	mg/kg	14000	1200	NAPL
NAPL E	11-Jun-10	0 - 0.5	2,6,10,14-Tetramethylhexadecane	0.88 B	mg/kg	--	--	NAPL
NAPL E	11-Jun-10	0 - 0.5	2,6,10,14-Tetramethylpentadecane	1.04 B	mg/kg	--	--	NAPL

TABLE 6-2
DETECTED VOCs/SVOCs IN SOIL AND NAPL
2010 HATCO-RELATED SAMPLES

Sample Name	Sample Date	Sample Interval (ft)	Analyte	Conc. (a.)	Units	NRDCSRS (b.)	RDCSRS (c.)	Matrix
NAPL E	11-Jun-10	0 - 0.5	2,6,10-Trimethyldodecane	0.237 B	mg/kg	--	--	NAPL
NAPL E	11-Jun-10	0 - 0.5	2,6,10-Trimethylpentadecane	0.315 B	mg/kg	--	--	NAPL
NAPL E	11-Jun-10	0 - 0.5	2,6,10-trimethyltridecane	0.416	mg/kg	--	--	NAPL
NAPL E	11-Jun-10	0 - 0.5	2-Methylnaphthalene	0.075 JB	mg/kg	2400	230	NAPL
NAPL E	11-Jun-10	0 - 0.5	2-Methylpyrene	0.096 J	mg/kg	--	--	NAPL
NAPL E	11-Jun-10	0 - 0.5	cresol)	0.875 J	mg/kg	--	--	NAPL
NAPL E	11-Jun-10	0 - 0.5	4-Methylpyrene	0.113	mg/kg	--	--	NAPL
NAPL E	11-Jun-10	0 - 0.5	Acenaphthylene	0.277 B	mg/kg	300000	--	NAPL
NAPL E	11-Jun-10	0 - 0.5	Anthracene	0.148 B	mg/kg	30000	17000	NAPL
NAPL E	11-Jun-10	0 - 0.5	Benzene	0.742 J	mg/kg	5	2	NAPL
NAPL E	11-Jun-10	0 - 0.5	Benzene	0.281 B	mg/kg	5	2	NAPL
NAPL E	11-Jun-10	0 - 0.5	Benzo(a)anthracene	0.206 B	mg/kg	2	0.6	NAPL
NAPL E	11-Jun-10	0 - 0.5	Benzo(a)pyrene	0.208 B	mg/kg	0.2	0.2	NAPL
NAPL E	11-Jun-10	0 - 0.5	Benzo(b)fluoranthene	0.215 B	mg/kg	2	0.6	NAPL
NAPL E	11-Jun-10	0 - 0.5	Benzo(b)naphtho(2,1-d)thiophene	0.072 J	mg/kg	--	--	NAPL
NAPL E	11-Jun-10	0 - 0.5	Benzo(b/c)fluorenes	0.31	mg/kg	--	--	NAPL
NAPL E	11-Jun-10	0 - 0.5	Benzo(e)pyrene	0.213 B	mg/kg	--	--	NAPL
NAPL E	11-Jun-10	0 - 0.5	Benzo(g,h,i)perylene	0.126 B	mg/kg	30000	380000	NAPL
NAPL E	11-Jun-10	0 - 0.5	Benzo(k)fluoranthene	0.179 B	mg/kg	23	6	NAPL
NAPL E	11-Jun-10	0 - 0.5	Benzyl butyl phthalate	2.07	mg/kg	14000	1200	NAPL
NAPL E	11-Jun-10	0 - 0.5	bis(2-Ethylhexyl)phthalate	569 D	mg/kg	140	35	NAPL
NAPL E	11-Jun-10	0 - 0.5	C1 - Benz(a)anthracene/Chrysene	0.353	mg/kg	--	--	NAPL
NAPL E	11-Jun-10	0 - 0.5	C1 - Benzene	0.59 B	mg/kg	--	--	NAPL
NAPL E	11-Jun-10	0 - 0.5	C1 - Fluoranthene/Pyrene	2.66	mg/kg	--	--	NAPL
NAPL E	11-Jun-10	0 - 0.5	C1 - Fluorene	0.651	mg/kg	--	--	NAPL
NAPL E	11-Jun-10	0 - 0.5	C1 - Naphthalene	0.107 JB	mg/kg	--	--	NAPL
NAPL E	11-Jun-10	0 - 0.5	C1 - Phenanthrene/Anthracene	0.697	mg/kg	--	--	NAPL
NAPL E	11-Jun-10	0 - 0.5	C2 - Benz(a)anthracene/Chrysene	0.778	mg/kg	--	--	NAPL
NAPL E	11-Jun-10	0 - 0.5	C2 - Benzene	0.688 B	mg/kg	--	--	NAPL
NAPL E	11-Jun-10	0 - 0.5	C2 - Dibenzothiophene	0.669	mg/kg	--	--	NAPL
NAPL E	11-Jun-10	0 - 0.5	C2 - Fluoranthene/Pyrene	1.26	mg/kg	--	--	NAPL
NAPL E	11-Jun-10	0 - 0.5	C2 - Fluorene	0.528 B	mg/kg	--	--	NAPL
NAPL E	11-Jun-10	0 - 0.5	C2 - Naphthalene	0.646	mg/kg	--	--	NAPL
NAPL E	11-Jun-10	0 - 0.5	C3 - Benz(a)anthracene/Chrysene	0.467	mg/kg	--	--	NAPL
NAPL E	11-Jun-10	0 - 0.5	C3 - Benzene	0.156	mg/kg	--	--	NAPL
NAPL E	11-Jun-10	0 - 0.5	C3 - Dibenzothiophene	2.04	mg/kg	--	--	NAPL
NAPL E	11-Jun-10	0 - 0.5	C3 - Fluoranthene/Pyrene	1.44	mg/kg	--	--	NAPL
NAPL E	11-Jun-10	0 - 0.5	C3 - Fluorene	2.33	mg/kg	--	--	NAPL
NAPL E	11-Jun-10	0 - 0.5	C3 - Naphthalene	0.916	mg/kg	--	--	NAPL
NAPL E	11-Jun-10	0 - 0.5	C3 - Phenanthrene/Anthracene	4.56	mg/kg	--	--	NAPL

TABLE 6-2
DETECTED VOCs/SVOCs IN SOIL AND NAPL
2010 HATCO-RELATED SAMPLES

Sample Name	Sample Date	Sample Interval (ft)	Analyte	Conc. (a.)		Units	NRDCSRS (b.)	RDCSRS (c.)	Matrix
NAPL E	11-Jun-10	0 - 0.5	C4 - Benz(a)anthracene/Chrysene	0.709		mg/kg	--	--	NAPL
NAPL E	11-Jun-10	0 - 0.5	C4 - Benzene	0.217		mg/kg	--	--	NAPL
NAPL E	11-Jun-10	0 - 0.5	C4 - Dibenzothiophene	9.21		mg/kg	--	--	NAPL
NAPL E	11-Jun-10	0 - 0.5	C4 - Naphthalene	1.43		mg/kg	--	--	NAPL
NAPL E	11-Jun-10	0 - 0.5	C4 - Phenanthrene/Anthracene	1.7		mg/kg	--	--	NAPL
NAPL E	11-Jun-10	0 - 0.5	C5 - Benzene	0.222		mg/kg	--	--	NAPL
NAPL E	11-Jun-10	0 - 0.5	Chlorobenzene	5.54		mg/kg	7400	510	NAPL
NAPL E	11-Jun-10	0 - 0.5	Chrysene	0.298	B	mg/kg	230	62	NAPL
NAPL E	11-Jun-10	0 - 0.5	cis-Decahydronaphthalene	0.171		mg/kg	--	--	NAPL
NAPL E	11-Jun-10	0 - 0.5	Dibenzofuran	0.113	B	mg/kg	--	--	NAPL
NAPL E	11-Jun-10	0 - 0.5	Dibenzothiophene	0.092	JB	mg/kg	--	--	NAPL
NAPL E	11-Jun-10	0 - 0.5	dl-n-Butyl phthalate	1.17		mg/kg	68000	6100	NAPL
NAPL E	11-Jun-10	0 - 0.5	dl-n-Octyl phthalate	44.3		mg/kg	27000	2400	NAPL
NAPL E	11-Jun-10	0 - 0.5	Fluoranthene	0.801	B	mg/kg	24000	2300	NAPL
NAPL E	11-Jun-10	0 - 0.5	Fluorene	0.112	B	mg/kg	24000	2300	NAPL
NAPL E	11-Jun-10	0 - 0.5	Indeno(1,2,3-c,d)pyrene	0.125	B	mg/kg	2	0.6	NAPL
NAPL E	11-Jun-10	0 - 0.5	Naphthalene	0.179	B	mg/kg	17	6	NAPL
NAPL E	11-Jun-10	0 - 0.5	n-Butylbenzene	0.118	B	mg/kg	--	--	NAPL
NAPL E	11-Jun-10	0 - 0.5	n-Heptadecane (C17)	3.11	B	mg/kg	--	--	NAPL
NAPL E	11-Jun-10	0 - 0.5	n-Octadecane (C18)	0.669	B	mg/kg	--	--	NAPL
NAPL E	11-Jun-10	0 - 0.5	Phenanthrene	0.582	B	mg/kg	300000	--	NAPL
NAPL E	11-Jun-10	0 - 0.5	Phenanthrene	0.523	J	mg/kg	300000	--	NAPL
NAPL E	11-Jun-10	0 - 0.5	Phenol	1.33		mg/kg	210000	18000	NAPL
NAPL E	11-Jun-10	0 - 0.5	Pyrene	0.834	B	mg/kg	18000	1700	NAPL
NAPL E	11-Jun-10	0 - 0.5	Pyrene	0.766	J	mg/kg	18000	1700	NAPL
NAPL E	11-Jun-10	0 - 0.5	Toluene	0.886	J	mg/kg	91000	6300	NAPL
NAPL E	11-Jun-10	0 - 0.5	Toluene	0.874	B	mg/kg	91000	6300	NAPL
NAPL E	11-Jun-10	0 - 0.5	Xylenes, m & p	1.05	B	mg/kg	170000	12000	NAPL
NAPL E	11-Jun-10	0 - 0.5	Xylenes, m & p	0.937	J	mg/kg	170000	12000	NAPL
NAPL F	11-Jun-10	0 - 0.5	1,2,4-Trimethylbenzene	8.36		mg/kg	--	--	NAPL
NAPL F	11-Jun-10	0 - 0.5	1,2-Dimethylbenzene (o-Xylene)	2.04		mg/kg	--	--	NAPL
NAPL F	11-Jun-10	0 - 0.5	1,3,5-Trimethylbenzene (mesitylene)	2.66		mg/kg	--	--	NAPL
NAPL F	11-Jun-10	0 - 0.5	1-Methyl-7-(1-methylethyl)phenanthrene	59.6		mg/kg	--	--	NAPL
NAPL F	11-Jun-10	0 - 0.5	1-Methylnaphthalene	146		mg/kg	--	--	NAPL
NAPL F	11-Jun-10	0 - 0.5	1-Methylnaphthalene	86.3		mg/kg	--	--	NAPL
NAPL F	11-Jun-10	0 - 0.5	1-Methylpyrene	79.4		mg/kg	--	--	NAPL
NAPL F	11-Jun-10	0 - 0.5	2,6,10,14-Tetramethylhexadecane	141		mg/kg	--	--	NAPL
NAPL F	11-Jun-10	0 - 0.5	2,6,10,14-Tetramethylpentadecane	155		mg/kg	--	--	NAPL
NAPL F	11-Jun-10	0 - 0.5	2,6,10-Trimethyldodecane	38.9		mg/kg	--	--	NAPL
NAPL F	11-Jun-10	0 - 0.5	2,6,10-Trimethylpentadecane	66.1		mg/kg	--	--	NAPL

TABLE 6-2
DETECTED VOCs/SVOCs IN SOIL AND NAPL
2010 HATCO-RELATED SAMPLES

Sample Name	Sample Date	Sample Interval (ft)	Analyte	Conc. (a.)	Units	NRDCSRS (b.)	RDCSRS (c.)	Matrix
NAPL F	11-Jun-10	0 - 0.5	2,6,10-trimethyltridecane	52.8	mg/kg	--	--	NAPL
NAPL F	11-Jun-10	0 - 0.5	2-Methylnaphthalene	104	mg/kg	2400	230	NAPL
NAPL F	11-Jun-10	0 - 0.5	2-Methylpyrene	81	mg/kg	--	--	NAPL
NAPL F	11-Jun-10	0 - 0.5	4-Isopropyltoluene (p-Cymene)	2.08	mg/kg	--	--	NAPL
NAPL F	11-Jun-10	0 - 0.5	4-Methylpyrene	113	mg/kg	--	--	NAPL
NAPL F	11-Jun-10	0 - 0.5	Anthracene	30.1	mg/kg	30000	17000	NAPL
NAPL F	11-Jun-10	0 - 0.5	Benzene	1.09 B	mg/kg	5	2	NAPL
NAPL F	11-Jun-10	0 - 0.5	Benzo(a)anthracene	**20.5**	mg/kg	2	0.6	NAPL
NAPL F	11-Jun-10	0 - 0.5	Benzo(a)pyrene	**20.5**	mg/kg	0.2	0.2	NAPL
NAPL F	11-Jun-10	0 - 0.5	Benzo(b)fluoranthene	**10.5**	mg/kg	2	0.6	NAPL
NAPL F	11-Jun-10	0 - 0.5	Benzo(b)naphtho(2,1-d)thiophene	30.6	mg/kg	--	--	NAPL
NAPL F	11-Jun-10	0 - 0.5	Benzo(b/c)fluorenes	17.5	mg/kg	--	--	NAPL
NAPL F	11-Jun-10	0 - 0.5	Benzo(e)pyrene	37.3	mg/kg	--	--	NAPL
NAPL F	11-Jun-10	0 - 0.5	Benzo(g,h,i)perylene	17.8	mg/kg	30000	380000	NAPL
NAPL F	11-Jun-10	0 - 0.5	Benzo(k)fluoranthene	4.37	mg/kg	23	6	NAPL
NAPL F	11-Jun-10	0 - 0.5	C1 - Benz(a)anthracene/Chrysene	158	mg/kg	--	--	NAPL
NAPL F	11-Jun-10	0 - 0.5	C1 - Benzene	0.773 JB	mg/kg	--	--	NAPL
NAPL F	11-Jun-10	0 - 0.5	C1 - Dibenzothiophene	183	mg/kg	--	--	NAPL
NAPL F	11-Jun-10	0 - 0.5	C1 - Fluoranthene/Pyrene	387	mg/kg	--	--	NAPL
NAPL F	11-Jun-10	0 - 0.5	C1 - Fluorene	110	mg/kg	--	--	NAPL
NAPL F	11-Jun-10	0 - 0.5	C1 - Naphthalene	121	mg/kg	--	--	NAPL
NAPL F	11-Jun-10	0 - 0.5	C1 - Phenanthrene/Anthracene	353	mg/kg	--	--	NAPL
NAPL F	11-Jun-10	0 - 0.5	C2 - Benz(a)anthracene/Chrysene	248	mg/kg	--	--	NAPL
NAPL F	11-Jun-10	0 - 0.5	C2 - Benzene	3.06	mg/kg	--	--	NAPL
NAPL F	11-Jun-10	0 - 0.5	C2 - Dibenzothiophene	402	mg/kg	--	--	NAPL
NAPL F	11-Jun-10	0 - 0.5	C2 - Fluoranthene/Pyrene	426	mg/kg	--	--	NAPL
NAPL F	11-Jun-10	0 - 0.5	C2 - Fluorene	301	mg/kg	--	--	NAPL
NAPL F	11-Jun-10	0 - 0.5	C2 - Naphthalene	288	mg/kg	--	--	NAPL
NAPL F	11-Jun-10	0 - 0.5	C2 - Phenanthrene/Anthracene	644	mg/kg	--	--	NAPL
NAPL F	11-Jun-10	0 - 0.5	C3 - Benz(a)anthracene/Chrysene	200	mg/kg	--	--	NAPL
NAPL F	11-Jun-10	0 - 0.5	C3 - Benzene	13	mg/kg	--	--	NAPL
NAPL F	11-Jun-10	0 - 0.5	C3 - Dibenzothiophene	462	mg/kg	--	--	NAPL
NAPL F	11-Jun-10	0 - 0.5	C3 - Fluoranthene/Pyrene	359	mg/kg	--	--	NAPL
NAPL F	11-Jun-10	0 - 0.5	C3 - Fluorene	382	mg/kg	--	--	NAPL
NAPL F	11-Jun-10	0 - 0.5	C3 - Naphthalene	385	mg/kg	--	--	NAPL
NAPL F	11-Jun-10	0 - 0.5	C3 - Phenanthrene/Anthracene	574	mg/kg	--	--	NAPL
NAPL F	11-Jun-10	0 - 0.5	C4 - Benz(a)anthracene/Chrysene	146	mg/kg	--	--	NAPL
NAPL F	11-Jun-10	0 - 0.5	C4 - Benzene	32.1	mg/kg	--	--	NAPL
NAPL F	11-Jun-10	0 - 0.5	C4 - Dibenzothiophene	286	mg/kg	--	--	NAPL
NAPL F	11-Jun-10	0 - 0.5	C4 - Naphthalene	385	mg/kg	--	--	NAPL

TABLE 6-2
DETECTED VOCs/SVOCs IN SOIL AND NAPL
2010 HATCO-RELATED SAMPLES

Sample Name	Sample Date	Sample Interval (ft)	Analyte	Conc. (a.)	Units	NRDCSRS (b.)	RDCSRS (c.)	Matrix
NAPL F	11-Jun-10	0 - 0.5	C4 - Phenanthrene/Anthracene	283	mg/kg	--	--	NAPL
NAPL F	11-Jun-10	0 - 0.5	C5 - Benzene	37.3	mg/kg	--	--	NAPL
NAPL F	11-Jun-10	0 - 0.5	Chrysene	58.9 J	mg/kg	230	62	NAPL
NAPL F	11-Jun-10	0 - 0.5	Chrysene	50.7	mg/kg	230	62	NAPL
NAPL F	11-Jun-10	0 - 0.5	cis-Decahydronaphthalene	0.806 J	mg/kg	--	--	NAPL
NAPL F	11-Jun-10	0 - 0.5	Coronene	2.82	mg/kg	--	--	NAPL
NAPL F	11-Jun-10	0 - 0.5	Dibenz(a,h)anthracene	**2.62**	mg/kg	0.2	0.2	NAPL
NAPL F	11-Jun-10	0 - 0.5	Dibenzofuran	7.76	mg/kg	--	--	NAPL
NAPL F	11-Jun-10	0 - 0.5	Dibenzothiophene	45.6	mg/kg	--	--	NAPL
NAPL F	11-Jun-10	0 - 0.5	Ethylbenzene	1.21	mg/kg	110000	7800	NAPL
NAPL F	11-Jun-10	0 - 0.5	Fluoranthene	19.4	mg/kg	24000	2300	NAPL
NAPL F	11-Jun-10	0 - 0.5	Fluorene	49.2 J	mg/kg	24000	2300	NAPL
NAPL F	11-Jun-10	0 - 0.5	Fluorene	26.8	mg/kg	24000	2300	NAPL
NAPL F	11-Jun-10	0 - 0.5	Indeno(1,2,3-c,d)pyrene	**7.06**	mg/kg	2	0.6	NAPL
NAPL F	11-Jun-10	0 - 0.5	Isopropylbenzene (Cumene)	0.713 J	mg/kg	--	--	NAPL
NAPL F	11-Jun-10	0 - 0.5	Naphthalene	**18.4**	mg/kg	17	6	NAPL
NAPL F	11-Jun-10	0 - 0.5	n-Butylbenzene	2.41	mg/kg	--	--	NAPL
NAPL F	11-Jun-10	0 - 0.5	n-Heptadecane (C17)	25.5	mg/kg	--	--	NAPL
NAPL F	11-Jun-10	0 - 0.5	n-Octadecane (C18)	27.5	mg/kg	--	--	NAPL
NAPL F	11-Jun-10	0 - 0.5	Perylene	8.33 B	mg/kg	--	--	NAPL
NAPL F	11-Jun-10	0 - 0.5	Phenanthrene	145	mg/kg	300000	--	NAPL
NAPL F	11-Jun-10	0 - 0.5	Phenanthrene	91.2	mg/kg	300000	--	NAPL
NAPL F	11-Jun-10	0 - 0.5	Pyrene	213	mg/kg	18000	1700	NAPL
NAPL F	11-Jun-10	0 - 0.5	Pyrene	165	mg/kg	18000	1700	NAPL
NAPL F	11-Jun-10	0 - 0.5	sec-Butylbenzene	0.692 J	mg/kg	--	--	NAPL
NAPL F	11-Jun-10	0 - 0.5	Toluene	1.14 B	mg/kg	91000	6300	NAPL
NAPL F	11-Jun-10	0 - 0.5	trans-Decahydronaphthalene	5.81	mg/kg	--	--	NAPL
NAPL F	11-Jun-10	0 - 0.5	Xylenes, m & p	2.61	mg/kg	170000	12000	NAPL
1I-1.0-1.5	15-Jun-10	1.0 - 1.5	bis(2-Ethylhexyl)phthalate	6.74	mg/kg	140	35	Soil
1I-1.0-1.5	15-Jun-10	1.0 - 1.5	Chrysene	0.46 J	mg/kg	230	62	Soil
1I-1.0-1.5	15-Jun-10	1.0 - 1.5	dI-n-Butyl phthalate	0.85 J	mg/kg	68000	6100	Soil
1I-1.0-1.5	15-Jun-10	1.0 - 1.5	Fluoranthene	0.632 J	mg/kg	24000	2300	Soil
1I-1.0-1.5	15-Jun-10	1.0 - 1.5	Pyrene	0.66 J	mg/kg	18000	1700	Soil
2G-0-0.5	15-Jun-10	0 - 0.5	Anthracene	0.722 J	mg/kg	30000	17000	Soil
2G-0-0.5	15-Jun-10	0 - 0.5	Benzo(a)anthracene	**3.68**	mg/kg	2	0.6	Soil
2G-0-0.5	15-Jun-10	0 - 0.5	Benzo(a)pyrene	**3.42**	mg/kg	0.2	0.2	Soil
2G-0-0.5	15-Jun-10	0 - 0.5	Benzo(b)fluoranthene	**4.26**	mg/kg	2	0.6	Soil
2G-0-0.5	15-Jun-10	0 - 0.5	Benzo(g,h,i)perylene	2.59	mg/kg	30000	380000	Soil
2G-0-0.5	15-Jun-10	0 - 0.5	Benzo(k)fluoranthene	2.75	mg/kg	23	6	Soil
2G-0-0.5	15-Jun-10	0 - 0.5	bis(2-Ethylhexyl)adipate	0.599 J	mg/kg	--	--	Soil

TABLE 6-2
DETECTED VOCs/SVOCs IN SOIL AND NAPL
2010 HATCO-RELATED SAMPLES

Sample Name	Sample Date	Sample Interval (ft)	Analyte	Conc. (a.)	Units	NRDCSRS (b.)	RDCSRS (c.)	Matrix
2G-0-0.5	15-Jun-10	0 - 0.5	bis(2-Ethylhexyl)phthalate	8.95	mg/kg	140	35	Soil
2G-0-0.5	15-Jun-10	0 - 0.5	Chrysene	3.78	mg/kg	230	62	Soil
2G-0-0.5	15-Jun-10	0 - 0.5	Dibenz(a,h)anthracene	0.558 J	mg/kg	0.2	0.2	Soil
2G-0-0.5	15-Jun-10	0 - 0.5	Fluoranthene	5	mg/kg	24000	2300	Soil
2G-0-0.5	15-Jun-10	0 - 0.5	Indeno(1,2,3-c,d)pyrene	2.85	mg/kg	2	0.6	Soil
2G-0-0.5	15-Jun-10	0 - 0.5	Phenanthrene	0.868 J	mg/kg	300000	--	Soil
2G-0-0.5	15-Jun-10	0 - 0.5	Pyrene	4.52	mg/kg	18000	1700	Soil
2G-1.0-1.5	15-Jun-10	1.0 - 1.5	Benzo(b)fluoranthene	0.425 J	mg/kg	2	0.6	Soil
2G-1.0-1.5	15-Jun-10	1.0 - 1.5	Benzyl butyl phthalate	0.564 J	mg/kg	14000	1200	Soil
2G-1.0-1.5	15-Jun-10	1.0 - 1.5	bis(2-Ethylhexyl)phthalate	732 D	mg/kg	140	35	Soil
2G-1.0-1.5	15-Jun-10	1.0 - 1.5	dl-n-Butyl phthalate	0.492 J	mg/kg	68000	6100	Soil
2G-1.0-1.5	15-Jun-10	1.0 - 1.5	dl-n-Octyl phthalate	0.682 J	mg/kg	27000	2400	Soil
2G-1.0-1.5	15-Jun-10	1.0 - 1.5	Fluoranthene	0.838 J	mg/kg	24000	2300	Soil
2G-1.0-1.5	15-Jun-10	1.0 - 1.5	Fluorene	0.546 J	mg/kg	24000	2300	Soil
2G-1.0-1.5	15-Jun-10	1.0 - 1.5	Naphthalene	0.92	mg/kg	17	6	Soil
2G-1.0-1.5	15-Jun-10	1.0 - 1.5	Phenanthrene	0.485 J	mg/kg	300000	--	Soil
2G-1.0-1.5	15-Jun-10	1.0 - 1.5	Pyrene	0.716 J	mg/kg	18000	1700	Soil
B17-0-0.5	15-Jun-10	0 - 0.5	Benzyl butyl phthalate	3.84	mg/kg	14000	1200	Soil
B17-0-0.5	15-Jun-10	0 - 0.5	bis(2-Ethylhexyl)adipate	0.363 J	mg/kg	--	--	Soil
B17-0-0.5	15-Jun-10	0 - 0.5	bis(2-Ethylhexyl)phthalate	12.3	mg/kg	140	35	Soil
B17-0-0.5	15-Jun-10	0 - 0.5	dl-n-Butyl phthalate	0.904	mg/kg	68000	6100	Soil
B17-0-0.5	15-Jun-10	0 - 0.5	dl-n-Octyl phthalate	1.52	mg/kg	27000	2400	Soil
B17-0-0.5	15-Jun-10	0 - 0.5	Fluoranthene	0.427 J	mg/kg	24000	2300	Soil
B17-0-0.5	15-Jun-10	0 - 0.5	Fluoranthene	0.427 J	mg/kg	24000	2300	Soil
B17-0-0.5	15-Jun-10	0 - 0.5	Naphthalene	0.325 J	mg/kg	17	6	Soil
B17-0-0.5	15-Jun-10	0 - 0.5	Pyrene	0.358 J	mg/kg	18000	1700	Soil
B17-1.0-1.5	15-Jun-10	1.0 - 1.5	Chlorobenzene	0.347 J	mg/kg	7400	510	Soil
B9-SE-0-0.5	15-Jun-10	0 - 0.5	Benzyl butyl phthalate	1.68	mg/kg	14000	1200	Soil
B9-SE-0-0.5	15-Jun-10	0 - 0.5	Benzyl butyl phthalate	1.68	mg/kg	14000	1200	Soil
B9-SE-0-0.5	15-Jun-10	0 - 0.5	Benzyl butyl phthalate	1.68	mg/kg	14000	1200	Soil
B9-SE-0-0.5	15-Jun-10	0 - 0.5	bis(2-Ethylhexyl)phthalate	6.22	mg/kg	140	35	Soil
B9-SE-0-0.5	15-Jun-10	0 - 0.5	bis(2-Ethylhexyl)phthalate	6.22	mg/kg	140	35	Soil
B9-SE-0-0.5	15-Jun-10	0 - 0.5	bis(2-Ethylhexyl)phthalate	6.22	mg/kg	140	35	Soil
B9-SE-0-0.5	15-Jun-10	0 - 0.5	Chrysene	0.396 J	mg/kg	230	62	Soil
B9-SE-0-0.5	15-Jun-10	0 - 0.5	Chrysene	0.396 J	mg/kg	230	62	Soil
B9-SE-0-0.5	15-Jun-10	0 - 0.5	Chrysene	0.396 J	mg/kg	230	62	Soil
B9-SE-0-0.5	15-Jun-10	0 - 0.5	dl-n-Octyl phthalate	0.517 J	mg/kg	27000	2400	Soil
B9-SE-0-0.5	15-Jun-10	0 - 0.5	dl-n-Octyl phthalate	0.517 J	mg/kg	27000	2400	Soil
B9-SE-0-0.5	15-Jun-10	0 - 0.5	dl-n-Octyl phthalate	0.517 J	mg/kg	27000	2400	Soil
B9-SE-0-0.5	15-Jun-10	0 - 0.5	Pyrene	0.463 J	mg/kg	18000	1700	Soil

TABLE 6-2
DETECTED VOCs/SVOCs IN SOIL AND NAPL
2010 HATCO-RELATED SAMPLES

Sample Name	Sample Date	Sample Interval (ft)	Analyte	Conc. (a.)	Units	NRDCSRS (b.)	RDCSRS (c.)	Matrix
B9-SE-0-0.5	15-Jun-10	0 - 0.5	Pyrene	0.463 J	mg/kg	18000	1700	Soil
B9-SE-0-0.5	15-Jun-10	0 - 0.5	Pyrene	0.463 J	mg/kg	18000	1700	Soil
CD-05-0-0.5	15-Jun-10	0 - 0.5	dl-n-Octyl phthalate	1.61	mg/kg	27000	2400	Soil
CD-05-0-0.5	15-Jun-10	0 - 0.5	Fluoranthene	0.387 J	mg/kg	24000	2300	Soil
CD-05-1.0-1.5	15-Jun-10	1.0 - 1.5	1,4-Dichlorobenzene	1.2	mg/kg	13	5	Soil
CD-05-1.0-1.5	15-Jun-10	1.0 - 1.5	bis(2-Ethylhexyl)phthalate	11.3	mg/kg	140	35	Soil
CD-05-1.0-1.5	15-Jun-10	1.0 - 1.5	dl-n-Octyl phthalate	0.533 J	mg/kg	27000	2400	Soil
HD1-0-0.5	15-Jun-10	0 - 0.5	Benzo(a)anthracene	1.35	mg/kg	2	0.6	Soil
HD1-0-0.5	15-Jun-10	0 - 0.5	Benzo(a)pyrene	1.28	mg/kg	0.2	0.2	Soil
HD1-0-0.5	15-Jun-10	0 - 0.5	Benzo(b)fluoranthene	1.28	mg/kg	2	0.6	Soil
HD1-0-0.5	15-Jun-10	0 - 0.5	Benzo(g,h,i)perylene	0.905	mg/kg	30000	380000	Soil
HD1-0-0.5	15-Jun-10	0 - 0.5	Benzo(k)fluoranthene	1.1	mg/kg	23	6	Soil
HD1-0-0.5	15-Jun-10	0 - 0.5	bis(2-Ethylhexyl)phthalate	536 D	mg/kg	140	35	Soil
HD1-0-0.5	15-Jun-10	0 - 0.5	Chrysene	1.37	mg/kg	230	62	Soil
HD1-0-0.5	15-Jun-10	0 - 0.5	dl-n-Octyl phthalate	3.11	mg/kg	27000	2400	Soil
HD1-0-0.5	15-Jun-10	0 - 0.5	Fluoranthene	2.59	mg/kg	24000	2300	Soil
HD1-0-0.5	15-Jun-10	0 - 0.5	Fluorene	0.665 J	mg/kg	24000	2300	Soil
HD1-0-0.5	15-Jun-10	0 - 0.5	Indeno(1,2,3-c,d)pyrene	0.896	mg/kg	2	0.6	Soil
HD1-0-0.5	15-Jun-10	0 - 0.5	Phenanthrene	0.475 J	mg/kg	300000	--	Soil
HD1-0-0.5	15-Jun-10	0 - 0.5	Pyrene	2.1	mg/kg	18000	1700	Soil
HD10-0-0.5	15-Jun-10	0 - 0.5	Benzo(a)anthracene	0.979	mg/kg	2	0.6	Soil
HD10-0-0.5	15-Jun-10	0 - 0.5	Benzo(a)pyrene	0.893	mg/kg	0.2	0.2	Soil
HD10-0-0.5	15-Jun-10	0 - 0.5	Benzo(b)fluoranthene	1.03	mg/kg	2	0.6	Soil
HD10-0-0.5	15-Jun-10	0 - 0.5	Benzo(k)fluoranthene	0.776 J	mg/kg	23	6	Soil
HD10-0-0.5	15-Jun-10	0 - 0.5	Chrysene	1.17	mg/kg	230	62	Soil
HD10-0-0.5	15-Jun-10	0 - 0.5	Fluoranthene	1.99	mg/kg	24000	2300	Soil
HD10-0-0.5	15-Jun-10	0 - 0.5	Indeno(1,2,3-c,d)pyrene	0.631 J	mg/kg	2	0.6	Soil
HD10-0-0.5	15-Jun-10	0 - 0.5	Phenanthrene	1.05	mg/kg	300000	--	Soil
HD10-0-0.5	15-Jun-10	0 - 0.5	Pyrene	1.56	mg/kg	18000	1700	Soil
HD-11 (0-0.5)	02-Jul-10	0 - 0.5	Benzo(b)fluoranthene	0.397 J	mg/kg	2	0.6	Soil
HD-11 (0-0.5)	02-Jul-10	0 - 0.5	bis(2-Ethylhexyl)phthalate	0.819	mg/kg	140	35	Soil
HD-11 (0-0.5)	02-Jul-10	0 - 0.5	Chrysene	0.359 J	mg/kg	230	62	Soil
HD-11 (0-0.5)	02-Jul-10	0 - 0.5	Fluoranthene	0.412 J	mg/kg	24000	2300	Soil
HD-11 (0-0.5)	02-Jul-10	0 - 0.5	Pyrene	0.372 J	mg/kg	18000	1700	Soil
HD-11 (2-2.5)	02-Jul-10	2.0 - 2.5	Chrysene	0.385 J	mg/kg	230	62	Soil
HD-11 (2-2.5)	02-Jul-10	2.0 - 2.5	Dibenzofuran	0.72 J	mg/kg	--	--	Soil
HD-11 (2-2.5)	02-Jul-10	2.0 - 2.5	Fluorene	0.99	mg/kg	24000	2300	Soil
HD-12 (0-0.5)	02-Jul-10	0 - 0.5	Benzo(b)fluoranthene	0.438 J	mg/kg	2	0.6	Soil
HD-12 (0-0.5)	02-Jul-10	0 - 0.5	bis(2-Ethylhexyl)phthalate	32	mg/kg	140	35	Soil
HD-12 (0-0.5)	02-Jul-10	0 - 0.5	Chrysene	0.393 J	mg/kg	230	62	Soil

TABLE 6-2
DETECTED VOCs/SVOCs IN SOIL AND NAPL
2010 HATCO-RELATED SAMPLES

Sample Name	Sample Date	Sample Interval (ft)	Analyte	Conc. (a.)		Units	NRDCSRS (b.)	RDCSRS (c.)	Matrix
HD-12 (0-0.5)	02-Jul-10	0 - 0.5	dl-n-Octyl phthalate	2.28		mg/kg	27000	2400	Soil
HD-12 (0-0.5)	02-Jul-10	0 - 0.5	Fluoranthene	0.628	J	mg/kg	24000	2300	Soil
HD-12 (0-0.5)	02-Jul-10	0 - 0.5	Hexachloronaphthalene, Total	170		UG/KG	--	--	Soil
HD-12 (0-0.5)	02-Jul-10	0 - 0.5	Phenanthrene	0.404	J	mg/kg	300000	--	Soil
HD-12 (0-0.5)	02-Jul-10	0 - 0.5	Pyrene	0.565	J	mg/kg	18000	1700	Soil
HD-12 (0-0.5)	02-Jul-10	0 - 0.5	Xylenes, m & p	0.97		mg/kg	170000	12000	Soil
HD-12 (2-2.5)	02-Jul-10	2.0 - 2.5	bis(2-Ethylhexyl)phthalate	15		mg/kg	140	35	Soil
HD-12 (2-2.5)	02-Jul-10	2.0 - 2.5	dl-n-Octyl phthalate	0.718		mg/kg	27000	2400	Soil
HD1-2-2.5	15-Jun-10	2.0 - 2.5	bis(2-Ethylhexyl)phthalate	1.79		mg/kg	140	35	Soil
HD2-0-0.5	15-Jun-10	0 - 0.5	Benzo(a)anthracene	**0.639**	J	mg/kg	2	0.6	Soil
HD2-0-0.5	15-Jun-10	0 - 0.5	Benzo(a)pyrene	**0.613**	J	mg/kg	0.2	0.2	Soil
HD2-0-0.5	15-Jun-10	0 - 0.5	Benzo(b)fluoranthene	**0.854**	J	mg/kg	2	0.6	Soil
HD2-0-0.5	15-Jun-10	0 - 0.5	Benzo(k)fluoranthene	0.491	J	mg/kg	23	6	Soil
HD2-0-0.5	15-Jun-10	0 - 0.5	bis(2-Ethylhexyl)phthalate	26.8		mg/kg	140	35	Soil
HD2-0-0.5	15-Jun-10	0 - 0.5	Chrysene	0.865	J	mg/kg	230	62	Soil
HD2-0-0.5	15-Jun-10	0 - 0.5	Fluoranthene	1.12		mg/kg	24000	2300	Soil
HD2-0-0.5	15-Jun-10	0 - 0.5	Indeno(1,2,3-c,d)pyrene	0.527	J	mg/kg	2	0.6	Soil
HD2-0-0.5	15-Jun-10	0 - 0.5	Pyrene	0.91	J	mg/kg	18000	1700	Soil
HD2-0-0.5	15-Jun-10	0 - 0.5	Toluene	0.669	J	mg/kg	91000	6300	Soil
HD2-2-2.5	15-Jun-10	2.0 - 2.5	Benzo(a)anthracene	0.36	J	mg/kg	2	0.6	Soil
HD2-2-2.5	15-Jun-10	2.0 - 2.5	Benzo(a)pyrene	**0.317**	J	mg/kg	0.2	0.2	Soil
HD2-2-2.5	15-Jun-10	2.0 - 2.5	Benzo(b)fluoranthene	0.394	J	mg/kg	2	0.6	Soil
HD2-2-2.5	15-Jun-10	2.0 - 2.5	Benzo(k)fluoranthene	0.322	J	mg/kg	23	6	Soil
HD2-2-2.5	15-Jun-10	2.0 - 2.5	bis(2-Ethylhexyl)phthalate	**81**	D	mg/kg	140	35	Soil
HD2-2-2.5	15-Jun-10	2.0 - 2.5	Chrysene	0.428	J	mg/kg	230	62	Soil
HD2-2-2.5	15-Jun-10	2.0 - 2.5	dl-n-Octyl phthalate	0.32	J	mg/kg	27000	2400	Soil
HD2-2-2.5	15-Jun-10	2.0 - 2.5	Fluoranthene	0.663		mg/kg	24000	2300	Soil
HD2-2-2.5	15-Jun-10	2.0 - 2.5	Pyrene	0.547	J	mg/kg	18000	1700	Soil
HD2-2-2.5	15-Jun-10	2.0 - 2.5	Toluene	1.57		mg/kg	91000	6300	Soil
HD5-0-0.5	15-Jun-10	0 - 0.5	bis(2-Ethylhexyl)phthalate	16.2		mg/kg	140	35	Soil
HD5-0-0.5	15-Jun-10	0 - 0.5	dl-n-Octyl phthalate	0.975		mg/kg	27000	2400	Soil
HD5-2-2.5	15-Jun-10	2.0 - 2.5	bis(2-Ethylhexyl)phthalate	**77.1**	D	mg/kg	140	35	Soil
HD5-2-2.5	15-Jun-10	2.0 - 2.5	Chlorobenzene	0.573		mg/kg	7400	510	Soil
HD5-2-2.5	15-Jun-10	2.0 - 2.5	dl-n-Octyl phthalate	3.95		mg/kg	27000	2400	Soil
HD6-0-0.5	15-Jun-10	0 - 0.5	bis(2-Ethylhexyl)phthalate	**62.1**	D	mg/kg	140	35	Soil
HD6-0-0.5	15-Jun-10	0 - 0.5	dl-n-Octyl phthalate	1.94		mg/kg	27000	2400	Soil
HD6-0-0.5	15-Jun-10	0 - 0.5	Fluoranthene	0.328	J	mg/kg	24000	2300	Soil
HD6-2-2.5	15-Jun-10	2.0 - 2.5	bis(2-Ethylhexyl)phthalate	11.9		mg/kg	140	35	Soil
HD6-2-2.5	15-Jun-10	2.0 - 2.5	Chlorobenzene	1.72		mg/kg	7400	510	Soil
HD6-2-2.5	15-Jun-10	2.0 - 2.5	dl-n-Octyl phthalate	0.419	J	mg/kg	27000	2400	Soil

TABLE 6-2
DETECTED VOCs/SVOCs IN SOIL AND NAPL
2010 HATCO-RELATED SAMPLES

Sample Name	Sample Date	Sample Interval (ft)	Analyte	Conc. (a.)		Units	NRDCSRS (b.)	RDCSRS (c.)	Matrix
HD7-0-0.5	15-Jun-10	0 - 0.5	Benzo(a)anthracene	**1.56**		mg/kg	2	0.6	Soil
HD7-0-0.5	15-Jun-10	0 - 0.5	Benzo(a)pyrene	**1.84**		mg/kg	0.2	0.2	Soil
HD7-0-0.5	15-Jun-10	0 - 0.5	Benzo(b)fluoranthene	**2.26**		mg/kg	2	0.6	Soil
HD7-0-0.5	15-Jun-10	0 - 0.5	Benzo(g,h,i)perylene	1.8		mg/kg	30000	380000	Soil
HD7-0-0.5	15-Jun-10	0 - 0.5	Benzo(k)fluoranthene	1.71		mg/kg	23	6	Soil
HD7-0-0.5	15-Jun-10	0 - 0.5	bis(2-Ethylhexyl)phthalate	26.8		mg/kg	140	35	Soil
HD7-0-0.5	15-Jun-10	0 - 0.5	Chrysene	2.26		mg/kg	230	62	Soil
HD7-0-0.5	15-Jun-10	0 - 0.5	Fluoranthene	2.9		mg/kg	24000	2300	Soil
HD7-0-0.5	15-Jun-10	0 - 0.5	Indeno(1,2,3-c,d)pyrene	**1.77**		mg/kg	2	0.6	Soil
HD7-0-0.5	15-Jun-10	0 - 0.5	Phenanthrene	1.03	J	mg/kg	300000	--	Soil
HD7-0-0.5	15-Jun-10	0 - 0.5	Pyrene	2.64		mg/kg	18000	1700	Soil
HD7-0-0.5	15-Jun-10	0 - 0.5	Xylenes, m & p	0.841	J	mg/kg	170000	12000	Soil
HD7-2-2.5	15-Jun-10	2.0 - 2.5	Anthracene	1.04		mg/kg	30000	17000	Soil
HD7-2-2.5	15-Jun-10	2.0 - 2.5	Benzo(a)anthracene	**2.98**		mg/kg	2	0.6	Soil
HD7-2-2.5	15-Jun-10	2.0 - 2.5	Benzo(a)pyrene	**1.41**		mg/kg	0.2	0.2	Soil
HD7-2-2.5	15-Jun-10	2.0 - 2.5	Benzo(b)fluoranthene	**3.59**		mg/kg	2	0.6	Soil
HD7-2-2.5	15-Jun-10	2.0 - 2.5	Benzo(g,h,i)perylene	2.15		mg/kg	30000	380000	Soil
HD7-2-2.5	15-Jun-10	2.0 - 2.5	Benzo(k)fluoranthene	2.11		mg/kg	23	6	Soil
HD7-2-2.5	15-Jun-10	2.0 - 2.5	Benzyl butyl phthalate	0.799	J	mg/kg	14000	1200	Soil
HD7-2-2.5	15-Jun-10	2.0 - 2.5	bis(2-Ethylhexyl)phthalate	**434**	D	mg/kg	140	35	Soil
HD7-2-2.5	15-Jun-10	2.0 - 2.5	Chrysene	3.34		mg/kg	230	62	Soil
HD7-2-2.5	15-Jun-10	2.0 - 2.5	Dibenz(a,h)anthracene	**0.51**	J	mg/kg	0.2	0.2	Soil
HD7-2-2.5	15-Jun-10	2.0 - 2.5	Dibenzofuran	0.463	J	mg/kg	--	--	Soil
HD7-2-2.5	15-Jun-10	2.0 - 2.5	dl-n-Butyl phthalate	1.33		mg/kg	68000	6100	Soil
HD7-2-2.5	15-Jun-10	2.0 - 2.5	dl-n-Octyl phthalate	3.63		mg/kg	27000	2400	Soil
HD7-2-2.5	15-Jun-10	2.0 - 2.5	Fluoranthene	9.69		mg/kg	24000	2300	Soil
HD7-2-2.5	15-Jun-10	2.0 - 2.5	Fluorene	1.03		mg/kg	24000	2300	Soil
HD7-2-2.5	15-Jun-10	2.0 - 2.5	Indeno(1,2,3-c,d)pyrene	**1.97**		mg/kg	2	0.6	Soil
HD7-2-2.5	15-Jun-10	2.0 - 2.5	Naphthalene	1.13		mg/kg	17	6	Soil
HD7-2-2.5	15-Jun-10	2.0 - 2.5	Phenanthrene	3.79		mg/kg	300000	--	Soil
HD7-2-2.5	15-Jun-10	2.0 - 2.5	Pyrene	7.05		mg/kg	18000	1700	Soil
HD8-0-0.5	15-Jun-10	0 - 0.5	Benzo(a)anthracene	**1.06**	J	mg/kg	2	0.6	Soil
HD8-0-0.5	15-Jun-10	0 - 0.5	Benzo(a)pyrene	**1.37**		mg/kg	0.2	0.2	Soil
HD8-0-0.5	15-Jun-10	0 - 0.5	Benzo(b)fluoranthene	**1.54**		mg/kg	2	0.6	Soil
HD8-0-0.5	15-Jun-10	0 - 0.5	Benzo(g,h,i)perylene	1.38		mg/kg	30000	380000	Soil
HD8-0-0.5	15-Jun-10	0 - 0.5	Benzo(k)fluoranthene	1.1	J	mg/kg	23	6	Soil
HD8-0-0.5	15-Jun-10	0 - 0.5	bis(2-Ethylhexyl)phthalate	6.65		mg/kg	140	35	Soil
HD8-0-0.5	15-Jun-10	0 - 0.5	Chrysene	1.43		mg/kg	230	62	Soil
HD8-0-0.5	15-Jun-10	0 - 0.5	Fluoranthene	1.95		mg/kg	24000	2300	Soil
HD8-0-0.5	15-Jun-10	0 - 0.5	Indeno(1,2,3-c,d)pyrene	**1.32**		mg/kg	2	0.6	Soil

TABLE 6-2
DETECTED VOCs/SVOCs IN SOIL AND NAPL
2010 HATCO-RELATED SAMPLES

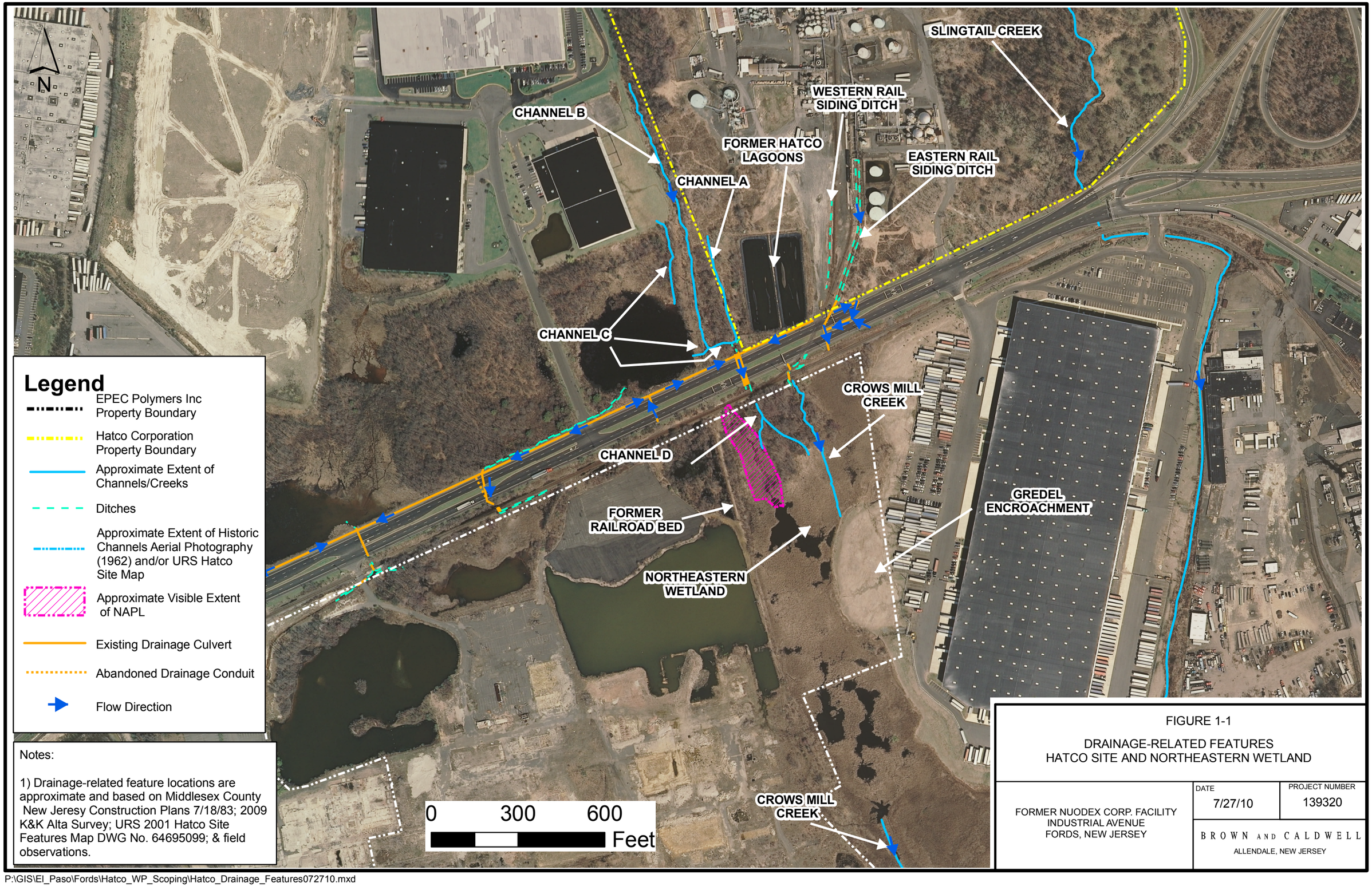
Sample Name	Sample Date	Sample Interval (ft)	Analyte	Conc. (a.)	Units	NRDCSRS (b.)	RDCSRS (c.)	Matrix
HD8-0-0.5	15-Jun-10	0 - 0.5	Phenanthrene	0.805 J	mg/kg	300000	--	Soil
HD8-0-0.5	15-Jun-10	0 - 0.5	Pyrene	1.71	mg/kg	18000	1700	Soil
HD8-2-2.5	15-Jun-10	2.0 - 2.5	Benzo(a)anthracene	**0.761** J	mg/kg	2	0.6	Soil
HD8-2-2.5	15-Jun-10	2.0 - 2.5	Benzo(a)pyrene	**0.69** J	mg/kg	0.2	0.2	Soil
HD8-2-2.5	15-Jun-10	2.0 - 2.5	Benzo(b)fluoranthene	**0.975**	mg/kg	2	0.6	Soil
HD8-2-2.5	15-Jun-10	2.0 - 2.5	Benzo(g,h,i)perylene	0.65 J	mg/kg	30000	380000	Soil
HD8-2-2.5	15-Jun-10	2.0 - 2.5	Benzo(k)fluoranthene	0.664 J	mg/kg	23	6	Soil
HD8-2-2.5	15-Jun-10	2.0 - 2.5	bis(2-Ethylhexyl)phthalate	**284** D	mg/kg	140	35	Soil
HD8-2-2.5	15-Jun-10	2.0 - 2.5	Chrysene	0.894 J	mg/kg	230	62	Soil
HD8-2-2.5	15-Jun-10	2.0 - 2.5	dl-n-Octyl phthalate	0.49 J	mg/kg	27000	2400	Soil
HD8-2-2.5	15-Jun-10	2.0 - 2.5	Fluoranthene	1.27	mg/kg	24000	2300	Soil
HD8-2-2.5	15-Jun-10	2.0 - 2.5	Indeno(1,2,3-c,d)pyrene	**0.61** J	mg/kg	2	0.6	Soil
HD8-2-2.5	15-Jun-10	2.0 - 2.5	Phenanthrene	0.465 J	mg/kg	300000	--	Soil
HD8-2-2.5	15-Jun-10	2.0 - 2.5	Pyrene	1.12	mg/kg	18000	1700	Soil
HD9-0-0.5	15-Jun-10	0 - 0.5	Fluoranthene	0.432 J	mg/kg	24000	2300	Soil
HD9-0-0.5	15-Jun-10	0 - 0.5	Pyrene	0.448 J	mg/kg	18000	1700	Soil
NAPL B SO-1	11-Jun-10	1.0 - 1.5	1,4-Dichlorobenzene	0.354 J	mg/kg	13	5	Soil
NAPL B SO-1	11-Jun-10	1.0 - 1.5	1-Methylnaphthalene	0.426 J	mg/kg	--	--	Soil
NAPL B SO-1	11-Jun-10	1.0 - 1.5	Anthracene	0.552 J	mg/kg	30000	17000	Soil
NAPL B SO-1	11-Jun-10	1.0 - 1.5	bis(2-Ethylhexyl)phthalate	0.572 J	mg/kg	140	35	Soil
NAPL B SO-1	11-Jun-10	1.0 - 1.5	Chlorobenzene	2.72	mg/kg	7400	510	Soil
NAPL B SO-1	11-Jun-10	1.0 - 1.5	Chrysene	0.481 J	mg/kg	230	62	Soil
NAPL B SO-1	11-Jun-10	1.0 - 1.5	Fluoranthene	0.371 J	mg/kg	24000	2300	Soil
NAPL B SO-1	11-Jun-10	1.0 - 1.5	Fluorene	0.688 J	mg/kg	24000	2300	Soil
NAPL B SO-1	11-Jun-10	1.0 - 1.5	Phenanthrene	0.416 J	mg/kg	300000	--	Soil
NAPL B SO-1	11-Jun-10	1.0 - 1.5	Pyrene	1.6	mg/kg	18000	1700	Soil
NAPL C SO-1	11-Jun-10	1.0 - 1.5	Benzene	1.36	mg/kg	5	2	Soil
NAPL C SO-1	11-Jun-10	1.0 - 1.5	bis(2-Ethylhexyl)phthalate	4.15	mg/kg	140	35	Soil
NAPL C SO-1	11-Jun-10	1.0 - 1.5	Pyrene	0.5 J	mg/kg	18000	1700	Soil
NAPL D SO-1	11-Jun-10	1.0 - 1.5	1,2,3-Trichlorobenzene	3.58	mg/kg	--	--	Soil
NAPL D SO-1	11-Jun-10	1.0 - 1.5	1,2,4-Trichlorobenzene	24.9	mg/kg	820	73	Soil
NAPL D SO-1	11-Jun-10	1.0 - 1.5	1,2-Dichlorobenzene	87.5	mg/kg	59000	5300	Soil
NAPL D SO-1	11-Jun-10	1.0 - 1.5	1,3-Dichlorobenzene	30.8	mg/kg	59000	5300	Soil
NAPL D SO-1	11-Jun-10	1.0 - 1.5	1,4-Dichlorobenzene	**51.4**	mg/kg	13	5	Soil
NAPL D SO-1	11-Jun-10	1.0 - 1.5	1-Methylnaphthalene	1.44	mg/kg	--	--	Soil
NAPL D SO-1	11-Jun-10	1.0 - 1.5	2-Chlorotoluene	0.584 J	mg/kg	23000	1600	Soil
NAPL D SO-1	11-Jun-10	1.0 - 1.5	Benzyl butyl phthalate	1.2	mg/kg	14000	1200	Soil
NAPL D SO-1	11-Jun-10	1.0 - 1.5	bis(2-Ethylhexyl)phthalate	22.1	mg/kg	140	35	Soil
NAPL D SO-1	11-Jun-10	1.0 - 1.5	Chlorobenzene	19.4	mg/kg	7400	510	Soil
NAPL D SO-1	11-Jun-10	1.0 - 1.5	dl-n-Butyl phthalate	2.27	mg/kg	68000	6100	Soil

TABLE 6-2
DETECTED VOCs/SVOCs IN SOIL AND NAPL
2010 HATCO-RELATED SAMPLES

Sample Name	Sample Date	Sample Interval (ft)	Analyte	Conc. (a.)	Units	NRDCSRS (b.)	RDCSRS (c.)	Matrix
NAPL D SO-1	11-Jun-10	1.0 - 1.5	dl-n-Octyl phthalate	1.39	mg/kg	27000	2400	Soil
NAPL E SO-1	11-Jun-10	1.0 - 1.5	1,2,3-Trichlorobenzene	1.1	mg/kg	--	--	Soil
NAPL E SO-1	11-Jun-10	1.0 - 1.5	1,2,4-Trichlorobenzene	1.27	mg/kg	820	73	Soil
NAPL E SO-1	11-Jun-10	1.0 - 1.5	1,2-Dichlorobenzene	9.85	mg/kg	59000	5300	Soil
NAPL E SO-1	11-Jun-10	1.0 - 1.5	1,3-Dichlorobenzene	1.76	mg/kg	59000	5300	Soil
NAPL E SO-1	11-Jun-10	1.0 - 1.5	1,4-Dichlorobenzene	4.02	mg/kg	13	5	Soil
NAPL E SO-1	11-Jun-10	1.0 - 1.5	2,4-Dimethylphenol	1.12	mg/kg	14000	1200	Soil
NAPL E SO-1	11-Jun-10	1.0 - 1.5	cresol)	0.365 J	mg/kg	--	--	Soil
NAPL E SO-1	11-Jun-10	1.0 - 1.5	Benzyl butyl phthalate	0.813	mg/kg	14000	1200	Soil
NAPL E SO-1	11-Jun-10	1.0 - 1.5	bis(2-Ethylhexyl)phthalate	7.68	mg/kg	140	35	Soil
NAPL E SO-1	11-Jun-10	1.0 - 1.5	Chlorobenzene	3.18	mg/kg	7400	510	Soil
NAPL E SO-1	11-Jun-10	1.0 - 1.5	dl-n-Butyl phthalate	1.01	mg/kg	68000	6100	Soil
NAPL E SO-1	11-Jun-10	1.0 - 1.5	dl-n-Octyl phthalate	0.634 J	mg/kg	27000	2400	Soil
NAPL F SO-1	11-Jun-10	1.0 - 1.5	1,4-Dichlorobenzene	0.654	mg/kg	13	5	Soil
NAPL F SO-1	11-Jun-10	1.0 - 1.5	Chlorobenzene	4.02	mg/kg	7400	510	Soil

Notes:
a. Concentrations that is boxed and bolded exceeds the applicable RDCSRS.
b. Non-Residential Direct Contact Soil Remediation Standard.

Figures



Legend

- EPEC Polymers Inc Property Boundary
- Hatco Corporation Property Boundary
- Approximate Extent of Channels/Creeks
- Ditches
- Approximate Extent of Historic Channels Aerial Photography (1962) and/or URS Hatco Site Map
- Approximate Visible Extent of NAPL
- Existing Drainage Culvert
- Abandoned Drainage Conduit
- Flow Direction

Notes:

1) Drainage-related feature locations are approximate and based on Middlesex County New Jeresy Construction Plans 7/18/83; 2009 K&K Alta Survey; URS 2001 Hatco Site Features Map DWG No. 64695099; & field observations.

FIGURE 1-1

DRAINAGE-RELATED FEATURES
HATCO SITE AND NORTHEASTERN WETLAND

FORMER NUODEX CORP. FACILITY
INDUSTRIAL AVENUE
FORDS, NEW JERSEY

DATE 7/27/10

PROJECT NUMBER 139320

BROWN AND CALDWELL
ALLENDALE, NEW JERSEY

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AOC-4

NOTES:

1) NJDEP Residential Soil Remediation Standard (SRS) for Total PCBs of 0.49 mg/kg.
2) At any given location, samples may have been collected frommultiple depth intervals; however, only the highest concentration per location is depicted.

Legend

- Property Boundary
- Former Buildings and Tanks
- Railroad
- Water Features
- Wetlands (NJDEP-Approved LOI, 2009)
- Approximate Extent of Channels/Creeks
- Existing Drainage Culvert
- Abandoned Drainage Conduit
- Approximate Visible Extent of NAPL
- Weston Proposed Excavation Area
- Weston Proposed Deeper Excavation Area

Concentration of Total PCBs in Soil and Sediment (mg/kg)

- Non Detect
- <0.49 (< RDCSRS)
- >0.49 (> RDCSRS)

0 25 50 100 Feet

FIGURE 4-1

TOTAL PCBs IN THE NORTHEASTERN WETLAND AREA (2007-2010)

FORMER NUODEX CORP. FACILITY
INDUSTRIAL AVENUE
FORDS, NEW JERSEY

DATE 7/30/10

PROJECT NUMBER 139320

BROWN AND CALDWELL
ALLENDALE, NEW JERSEY

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Legend

- EPEC Polymers Inc Property Boundary
- Former Buildings and Tanks
- Railroad
- Water Features
- Wetlands (NJDEP-Approved LOI, 2009)
- Approximate Extent of Channel D as Depicted in the 2009 K&K Alta Survey
- Approximate Extent of Channel D as Depicted by Weston 11/4/2007
- Approximate Extent of Historic Channels from 1962 Aerial Photography
- Approximate Visible Extent of NAPL
- Manhole
- Drainage_Basin
- Existing Drainage Culvert
- Abandoned Drainage Conduit
- Drainage Inlet
- Drainage Outlet
- Headwall
- Ditches
- Flow Direction
- Rip Rap
- Hatco-Related Drainage Sample Location
- NAPL/Soil Sample Location
- Re-sampled Soil Locations

Notes:

1) All drainage-related feature locations are approximate and based on Middlesex County New Jeresy Construction Plans 7/18/83.

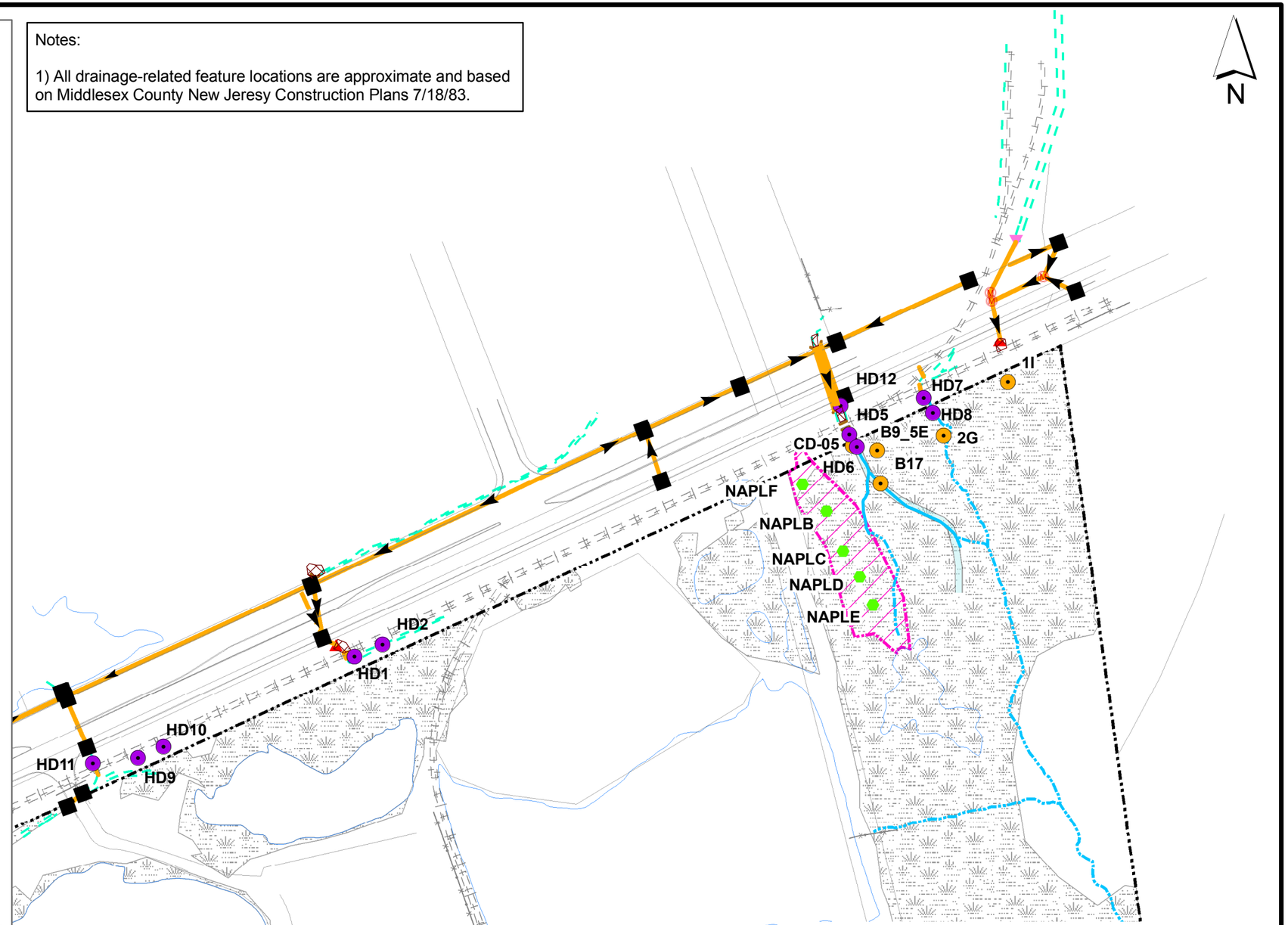

FIGURE 5-1

SAMPLE LOCATIONS

FORMER NUODEX CORP. FACILITY INDUSTRIAL AVENUE FORDS, NEW JERSEY	DATE 7/15/10	PROJECT NUMBER 139320
	BROWN AND CALDWELL ALLENDALE, NEW JERSEY	

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Location Name	Sample Name	Sample Date	Result (mg/kg)
HD-2	HD2-0-0.5	6/15/2010	0.443
	HD2-2.0-2.5	6/15/2010	0.528

Location Name	Sample Name	Sample Date	Result (mg/kg)
HD1	HD1-0-0.5	6/15/2010	2.39
	HD1-2.0-2.5	6/15/2010	0.013U

Location Name	Sample Name	Sample Date	Result (mg/kg)
HD-12	HD-12(0-0.5)	7/2/2010	6.42E
	HD-12(2-2.5)	7/2/2010	3.09E

Location Name	Sample Name	Sample Date	Result (mg/kg)
HD-5	HD5-0-0.5	6/15/2010	2
	HD5-2.0-2.5	6/15/2010	10.86

Location Name	Sample Name	Sample Date	Result (mg/kg)
HD-7	HD7-0-0.5	6/15/2010	2.93
	HD7-2.0-2.5	6/15/2010	6.15

Location Name	Sample Name	Sample Date	Result (mg/kg)
CD-05	CD-05-0-0.5	6/15/2010	2.44
	CD-05-1.0-1.5	6/15/2010	3.27

Location Name	Sample Name	Sample Date	Result (mg/kg)
HD-8	HD8-0-0.5	6/15/2010	1.858
	HD8-2.0-2.5	6/15/2010	4.87

Location Name	Sample Name	Sample Date	Result (mg/kg)
HD-6	HD6-0-0.5	6/15/2010	4.08
	HD6-2.0-2.5	6/15/2010	0.832

Location Name	Sample Name	Sample Date	Result (mg/kg)
HD-10	HD10-0-0.5	6/15/2010	0.088
	HD10-2.0-2.5	6/15/2010	0.011U

Location Name	Sample Name	Sample Date	Result (mg/kg)
HD-9	HD9-0-0.5	6/15/2010	0.076
	HD9-2.0-2.5	6/15/2010	0.008

Location Name	Sample Name	Sample Date	Result (mg/kg)
1I	1I-0-0.5	6/15/2010	0.31
	1I-1.0-1.5	6/15/2010	2.826E

Location Name	Sample Name	Sample Date	Result (mg/kg)
HD-11	HD-11(0-0.5)	7/2/2010	0.012U
	HD-11(2-2.5)	7/2/2010	0.269

Location Name	Sample Name	Sample Date	Result (mg/kg)
2G	2G-0-0.5	6/15/2010	1.26
	2G-1.0-1.5	6/15/2010	9.716

Location Name	Sample Name	Sample Date	Result (mg/kg)
B9-5E	B9-5E-0-0.5	6/15/2010	8.55
	B9-5E-1.0-1.5	6/15/2010	0.155

Location Name	Sample Name	Sample Date	Result (mg/kg)
NAPL F	NAPL F	6/11/2010	0.678
	NAPL F SO-1	6/11/2010	0.006U

Location Name	Sample Name	Sample Date	Result (mg/kg)
B17	B17-0-0.5	6/15/2010	30.8
	B17-1.0-1.5	6/15/2010	0.133

Location Name	Sample Name	Sample Date	Result (mg/kg)
NAPL B	NAPL B	6/11/2010	2.86
	NAPL B SO-1	6/11/2010	0.007U

Location Name	Sample Name	Sample Date	Result (mg/kg)
NAPL C	NAPL C	6/11/2010	6.69
	NAPL C SO -1	6/11/2010	0.084

Location Name	Sample Name	Sample Date	Result (mg/kg)
NAPL D	NAPL D	6/11/2010	21.92E
	NAPL D SO -1	6/11/2010	1.274

Location Name	Sample Name	Sample Date	Result (mg/kg)
NAPL E	NAPL E	6/11/2010	40.3
	NAPL E SO -1	6/11/2010	0.706

Notes:

1) NJDEP Residential Direct Contact Soil Cleanup Critera (RDCSCC) for Total PCBs of 0.49 mg/kg.
2) Drainage-related feature locations are approximate and based on Middlesex County New Jeresy Construction Plans 7/18/83; 2009 K&K Alta Survey; URS 2001 Hatco Site Features Map DWG No. 64695099; and field observations.
3) At any given location, samples may have been collected from multiple depth intervals; however, only the highest concentration per location is depicted by the corresponding color symbol(s).

Legend

- EPEC Polymers Inc Property Boundary
- Former Buildings and Tanks
- Railroad
- Water Features
- Wetlands (NJDEP-Approved LOI, 2009)
- Approximate Extent of Channel/Creek
- Approximate Visible Extent of NAPL
- Manhole
- Drainage_Basin
- Existing Drainage Culvert
- Abandoned Drainage Conduit
- Drainage Inlet
- Drainage Outlet
- Headwall
- Ditches
- Flow Direction
- Rip Rap

Concentration of Total PCBs (mg/kg)

- Not Detected
- <0.49 (<RDCSCC)
- >0.49 (>RDCSCC)

E – Analyte reported from a Diluted extract.

U - Analyte not detected.

0 200 400 Feet

FIGURE 6-1

DISTRIBUTION OF TOTAL PCBs
HATCO-RELATED SAMPLING

FORMER NUODEX CORP. FACILITY
INDUSTRIAL AVENUE
FORDS, NEW JERSEY

DATE 7/28/10

PROJECT NUMBER 139320

BROWN AND CALDWELL
ALLENDALE, NEW JERSEY

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Location Name	Sample Name	Sample Date	Result (mg/kg)
HD -2	HD2 -0-0.5	6/15/2010	26.8
HD -2	HD2 -2.0 -2.5	6/15/2010	81D

Location Name	Sample Name	Sample Date	Result (mg/kg)
HD -1	HD1 -0-0.5	6/15/2010	538D
HD -1	HD1 -2.0 -2.5	6/15/2010	1.79

Location Name	Sample Name	Sample Date	Result (mg/kg)
HD -10	HD10 -0-0.5	6/15/2010	0.851U
HD -10	HD10 -2.0 -2.5	6/15/2010	1.11U

Location Name	Sample Name	Sample Date	Result (mg/kg)
HD -9	HD9 -0-0.5	7/2/2010	0.63U
HD -9	HD9 -2.0 -2.5	7/2/2010	0.64U

Location Name	Sample Name	Sample Date	Result (mg/kg)
HD -11	HD -11(0-0.5)	6/15/2010	0.81J
HD -11	HD -11(2.0 -2.5)	6/15/2010	0.76U

Location Name	Sample Name	Sample Date	Result (mg/kg)
HD -12	HD -12(0-0.5)	6/15/2010	32
HD -12	HD -12(2.0 -2.5)	6/15/2010	15

Location Name	Sample Name	Sample Date	Result (mg/kg)
CD -05	CD -05 -0-0.5	6/15/2010	21.4
CD -05	CD -05 -1.0 -1.5	6/15/2010	11.3

Location Name	Sample Name	Sample Date	Result (mg/kg)
HD -6	HD6 -0-0.5	6/15/2010	62.1D
HD -6	HD6 -2.0 -2.5	6/15/2010	11.9

Location Name	Sample Name	Sample Date	Result (mg/kg)
HD -5	HD5 -0-0.5	6/15/2010	16.2
HD -5	HD5 -2.0 -2.5	6/15/2010	77.1D

Location Name	Sample Name	Sample Date	Result (mg/kg)
HD -7	HD7 -0-0.5	6/15/2010	26.8
HD -7	HD7 -2.0 -2.5	6/15/2010	484D

Location Name	Sample Name	Sample Date	Result (mg/kg)
HD -8	HD8 -0-0.5	7/2/2010	6.65
HD -8	HD8 -2.0 -2.5	7/2/2010	284D

Location Name	Sample Name	Sample Date	Result (mg/kg)
1I	1I -0-0.5	6/15/2010	2.36U
1I	1I -1.0 -1.5	6/15/2010	6.74

Location Name	Sample Name	Sample Date	Result (mg/kg)
2G	2G -0-0.5	6/15/2010	8.95
2G	2G -1.0 -1.5	6/15/2010	732 D

Location Name	Sample Name	Sample Date	Result (mg/kg)
B9 -5E	B9 -5E -0-0.5	6/15/2010	6.22
B9 -5E	B9 -5E -1.0 -1.5	6/15/2010	0.52 4U

Location Name	Sample Name	Sample Date	Result (mg/kg)
B17	B17 -0-0.5	6/15/2010	12.3
B17	B17 -1.0 -1.5	6/15/2010	0.57U

Location Name	Sample Name	Sample Date	Result (mg/kg)
NAPL F	NAPL F	6/11/2010	89.7U *
NAPL F	NAPL FSO -1	6/11/2010	0.581U

Location Name	Sample Name	Sample Date	Result (mg/kg)
NAPL B	NAPL B	6/11/2010	127
NAPL B	NAPL BSO -1	6/11/2010	0.572J

Location Name	Sample Name	Sample Date	Result (mg/kg)
NAPL C	NAPL C	6/11/2010	90.2
NAPL C	NAPL CSO -1	6/11/2010	4.15

Location Name	Sample Name	Sample Date	Result (mg/kg)
NAPL D	NAPL D	6/11/2010	307
NAPL D	NAPL DSO -1	6/11/2010	22.1

Location Name	Sample Name	Sample Date	Result (mg/kg)
NAPL E	NAPL E	6/11/2010	568D
NAPL E	NAPL ESO -1	6/11/2010	7.68

Notes:

1) NJDEP Residential Soil Remediation Standard (RDCSCC) for bis(2-Ethylhexyl)phthalate of 49 mg/kg.
2) Drainage-related feature locations are approximate and based on Middlesex County New Jeresy Construction Plans 7/18/83; 2009 K&K Alta Survey; URS 2001 Hatco Site Features Map DWG No. 64695099; and field observations.
3) At any given location, samples may have been collected from multiple depth intervals; however, only the highest concentration per location is depicted by the corresponding color symbol(s).

Legend

- EPEC Polymers Inc Property Boundary
- Former Buildings and Tanks
- Railroad
- Water Features
- Wetlands (NJDEP-Approved LOI, 2009)
- Approximate Extent of Channel/Creek
- Approximate Visible Extent of NAPL
- Manhole
- Drainage_Basin
- Existing Drainage Culvert
- Abandoned Drainage Conduit
- Drainage Inlet
- Drainage Outlet
- Headwall
- Ditches
- Flow Direction
- Rip Rap

Concentration of bis(2-Ethylhexyl)phthalate (mg/kg)

- Not Detected
- <49 (<RDCSCC)
- >49 (>RDCSCC)

* Indicates sample reporting limit was above the relevant soil cleanup criterion.

D – Analyte reported from a diluted extract.

J - Estimated value.

U - Analyte not detected.

0 200 400 Feet

FIGURE 6-2

DISTRIBUTION OF BIS(2-ETHYLHEXYL)PHTHALATE HATCO-RELATED SAMPLING

FORMER NUODEX CORP. FACILITY
INDUSTRIAL AVENUE
FORDS, NEW JERSEY

DATE 7/28/10

PROJECT NUMBER 139320

BROWN AND CALDWELL
ALLENDALE, NEW JERSEY

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Appendix A: Hatco Information

A-1 Hatco Raw Materials and Products
A-2 Hatco Site Map

Attachment I

List of Raw Materials Used and Products Made at
Hatco Corporation, Fords, New Jersey Facility

Table I

Raw Materials Used at Hatco Facility
Hatco Corporation
Fords, New Jersey

Raw Material Item List
Hatco Corporation
Fords, New Jersey

2 Ethyl Hexoic Acid
2-Ethylhexanol
Di Octyl Phenothiazine
Acryloid 702
Acryloid 704
Acryloid 866
Acryloid 956
Acryloid 983
Adipic Acid
Alcohol 610 ADE
Alumina
Ammonia
Amoco 153
Amoco 198
Amoco 6600
Anglamol 6004A
Anglamol 99
Attasorb LVM
Azelaic Acid
Benzylchloroformate
Bisphenol-A
Benzyl Alcohol
Benzotriazole
Hexanoic Acid-C6
C6C8 Fatty Acid
Caprylic Acid
Carbon
Cardura E10
Carbonyl Chloride
Citric Acid Liquid
Cyclohexanol
Corbratec 99
Iso Decyl Alcohol
Di Pentaerythritol
Dimer Acid
Di Pentek
Diphenylamine
Dodecanedioic Acid
Drierite-Calcium Sulfate
Emfac 1210
Emory 1215
Ethyl 702
Ethyl 703
Ethylene Carbronate
Filter Aid
Sulfuric Acid "66"
Sulfuric Acid "98"
Suluric Acid "66" B
Hydrochloric Acid 21
Heptane
Heptanoic Acid
Hitec E-320
Hypophosphorous Acid
Hystrene 3695
Isobutanol
Indopol H100
Irgonox 1010
Irganox L-109
Irgalube TPPT
Iso Hexadecyl
Iso Octyl Alcohol
Isononanoic Acid
Isononyl Alcohol
Iso Pentanoic Acid
Iso Propyl Alcohol
Kraton 1102
L-Aspartic Acid
Lime
Lubrizol 3174
Lubrizol 4550
Lubrizol 5994
Lubrizol 7401
Additin M10017A
Additin M-1992
Methyl Chloroform
Methyl Ester
Methanol
Meth Sulf Acid 70%
Mixed Pentanoic Acid
Mono Pentaerythritol
N-Methyl Glucon
Caustic Soda 12%
Caustic Soda 20%
Caustic Soda 50% DIA
Nasul BSN
N-Butanol
Neo Pentyl Glycol
N Propyl Alcohol
Orthoxylene
Oleic Acid
Oloa 340R
Ortholeum 162
Ortholeum 535
Oxalic Acid

Raw Material Item List (cont'd)
Hatco Corporation
Fords, New Jersey

Phthalate Anhydride
Pana
Polyalphaolefin 40
Parabar 441
Polyethylene Glycol
Pelargonic Acid
Tech Pentek
Phenothiazine
Phosphoric Acid 85%
Pliabrac 521
Potassium Carbonate
Potassium Permaganate
Propylene Glycol
Para Toluene Sulfonic Acid
Di Hydroxyanthroquin
Sodium Bisulfate
Sodium Borohydride
Sodium Methylate 25%
Sodium Acetate
Sodium Hexametaphosphate
Sodium Hypochlorite
Soda Ash
Stannous Oxalate
Stearic Acid
Styrene Monomer
Syn-O-Ad-8478
Syn-8484
TBPA
Tyzor TBT
Tri Cresyl Phosphate
Technical Pentaerythritol
Tetra Ethylene Glycol
Tri Ethyl Phosphite
Trimellitic Anhydride
Trimethylolethane
Trimethylolpropane
Tri Phenyl Phosphite
Tyzor TPT
Tri Pentaerythritol
Tri Decyl Alcohol
FC-24 Tri Floro Meth
Triton X100
Ucon LB 625
Ucon LB 1145
Ucon LB 1715
Valeric Acid
Vanlube 81
Vanlube SS

Ethyl Alcohol
Iso Butyl Alcohol
Cyclohexanol
Isohexyl Alcohol
Octyl Alcohol
Isooctyl Alcohol
Octanoic Acid
Decanoic Acid
Hexanoic Acid
Butoxylethyl Alcohol
Toluene
Castor Oil
N-Propyl Alcohol
Fumaric Acid
Decanedioic Acid
Palmitic Acid
Myristic Acid
Oleic Acid
Stearic Acid
Rolaic Acid
Cetyl Alcohol
Cellosolve
Triethylene Glycol Monomethyl Ether
Vanlube 672
Zeolex 23A

Table II

Products Manufactured at Hatco Facility
Hatco Corporation
Fords, New Jersey

Table II

Products Manufactured at Hatco Facility
Hatco Corporation
Fords, New Jersey

Product Name

Cyclohexyl Octyl Phthalate
Di Butyl Phthalate
Di Butyl Sebacate
Di Isobutyl Phthalate
Di Isodecyl Adipate
Di Isooctyl Adipate
Di Isodecyl Phthalate
Di Isooctyl Phthalate
Bis (2-Ethylhexyl) Adipate
Bis (2-Ethylhexyl Phthalate
Di (2-Ethylhexyl) Sebacate
Ditridecyl Adipate
Ditridecyl Phthalate
Tetraethylene Glycol, Diheptanoate
Trioctyl Trimellitate
Sebacic Acid, 2-Ethylhexanol, Polyethylene Glycol Ester
Dipentaerythritol, Valeric Acid, Caprylic/Capric Acid Ester
Tech. Pentaerythritol, Valeric, Caprylic/Capric Acid Ester
Polyethylene Glycol, 2-Ethyl Hexanol, Sebacic Acid Ester
Neopentyl Glycol, Pelargonic Acid Ester
Tech. Pentaerythritol, Adipic Acid, C7, C/8/C10 Acid Ester
Trimethylol Propane, Heptanoic Acid Ester
Neopentyl Glycol, Caprylic Acid Ester
Tech. Pentaerythritol, Tripentaerythritol, Valeric Acid, Caprylic/Capric Acid Ester
Neopentyl Glycol, Heptanoic Acid, Pelargonic Acid Ester
Neopentyl Glycol, Caprylic/Capric Acid Ester
Trimethylol Propane, Valeric Acid, Heptanoic Acid Ester
Neopentyl Glycol, Heptanoic Acid (C7), Ocgtanoic (C8) Acid, Decanoic (C10) Acid Ester
Trimethylol Propane, Heptanoic Acid, Octanoic/Decanoic Acid Ester
Neopentyl Glycol, Pelargonic Acid, Caprylic/Capric Acid Ester
Trimethylol Propane, Heptanoic Acid, Pelargonic Acid, Isonanoic Acid, Caprylic/Capric Acid Ester
Tech. Pentaerythritol, Heptanoic Acid, Isopentanoic Acid, Caprylic/Capric Acid Ester
Tech. Pentaerythritol, Isopentanoic Acid, Pelargonic Acid Ester
Tech. Pentaerythritol, Dipentaerythritol, Tripentaerythritol, Valeric Acid, C6, C7, C8, Pelargonic Acid Ester
Tech. Pentaerythritol, Dipentaerythritol, C5, C8, C9 Acid Ester
Pentaerythritol, Trihethylol Propane, N-Heptanoic Acid, Isononanoic Acid, Caprylic, Capric Acid Ester
Pentaerythritol, Valeric Acid, C5-C9 Linear Fatty Acid Ester

Table II (cont'd)

Products Manufactured at Hatco Facility
Hatco Corporation
Fords, New Jersey

Tech. Pentaerythritol, Dipentaerythritol, Isopentanoic Acid, Heptanoic Acid, C5-C9 Acid Ester
Tech. Pentaerythritol, Dipentaerythritol, Valeric Acid, C8-C10 Acid Ester
Pentaerythritol, Trimetholol Propane, Isopentanoic Acid, Heptanoic Acid, Isonanoic Acid, C8, C10 Acid Ester
Pentaerythritol, Isononanoic Acid, Isopentanoic Acid, Caprylic/Capric Acid Ester
Dipentaerythritol, Valeric Acid, Caprylic Acid, Caprylic/Capric Acid Ester
Pentaerythritol, Heptanoic Acid, Azelaic Acid Ester
Pentaerythritol, Heptanoic Acid, Adipic Acid, Caprylic/Capric Acid Ester
Decyl Ocatanoate + Decyl Decanoate
Idsodecyl Alcohol, 2-Ethyl Hexanol, Caprylic, Capric Acid Ester
Tripentaerythritol, Octaoleate
Pentaerythritol, Heptanoic Acid, Isononanoic Acid Ester
Tripentaerythritol, Heptanoic Acid, C8/C10 Acid Ester
Pentaerythritol, C7, C8, Iso-C9 Acid Ester + Dipentaerythritol, C7, C8, Iso-C9 Acid Ester
Pentaerythritol, Heptanoic Acid, Valeric Acid Ester
Ditridecyl Dedecanediote
Alfol 610 Ade Adipate
Trimethylol Propane, Valeric Acid, Heptanoic Acid Ester
Trimethylol Propane, Heptanoic Acid, Caprylic, Capric Acid Ester
Trimethylol Propane, Caprylic, Capric Acid Ester
Trimethylol Propane, Pelargonic Acid Ester
Di (2-Ethylhexyl) Dimerate
Neopentyl Glycol, Caprylic/Capric Acid Ester
Pentaerythritol, Heptanoic Acid, Isopentanoic Acid, Caprylic/Capric Acid Ester
Pentaerythritol, Heptanoic Acid, Adipic Acid, Octanoic/Decanoic Acid Ester
Pentaerythritol, Caprylic/Capric Acid Ester
Pentaerythritol, Heptanoic Acid, Triflic Acid, Caprylic/Capric Acid Ester
Tech. Pentaerythritol, Heptanoic Acid, Caprylic/.Capric Acid Ester
Pentaerythritol, 2-Ethylhexanoic Acid, Caprylic/Capric Acid Ester
Tech. Pentaerythritol, Pentanoic Acid, Isononanoic Acid Ester
Dipentaerythritol, Pentanoic Acid, Isononanoic Acid Ester
Neopentyl Glycol, Isononanoic Acid Ester
Dipentaerythritol, Isononanoic Acid Ester
Tech. Pentaerythritol, Heptanoic Acid, Isononanoic Acid Ester
Tech. Pentaerythritol, Pentanoic Acid, Isononanoic Acid Ester
Tridecyl Stearate
Isohexadecyl Stearate
Trimethlolethane, Caprylic/Capric Acid Ester
Trimethylol Propane, Caprylic/Capric Acid Ester
Tech. Pentaerythritol, Octanoic/Decanoic Acid Ester
Di Neoflex 9 Adipate
Neopentyl Glycol, Oleic Acid Ester
Trimethylol Propane, Oleic Acid Ester
Pentaerythritol, Oleic Acid Ester

Table II (cont'd)

Products Manufactured at Hatco Facility
Hatco Corporation
Fords, New Jersey

Pentaerythritol, Heptanoic Acid Ester
Pentaerythritol, Heptanoic Acid, Isononanoic Acid Ester
Dipentaerythritol, Heptanoic Acid, Caprylic/Capric Acid Ester
Propylene Glycol, Caprylic/Capric Acid Ester
Di (2-Ethylhexyl) Azelate
Di-Norhal Propyl Adipate (DNPA)
Glycerine, Caprylic/Capric Acid Ester
Pentaerythritol, 2-Ethylhexanoic Acid Ester
Tetraethylene Glycol Heptanoate
Pentaerythritol, 2-Ethylhexanoic Acid Ester
Tetrathylene Glycol Heptanoate
Pentaerythritol, Heptanoic Acid Ester
Tech. Pentaerythritol, Heptanoic Acid, Caprylic/Capric Acid Ester
Tech. Pentaerythritol, Octanoic/Decanoic Acid Ester
Neopentyl Glycol, Caprylic/Capric Acid Ester
Octyl Decyl Adipate
Phenyl Xylyl Ethane
Tridecyl Trimellitate
Triisodecyl Tridecyl Trimellitate
Tritridecyl Trimellitate
Dimethyl Phthalate
Diethyl Phthalate
Diisohexyl Phthalate
Butyl Octyl Phthalate
Butyl Benzyl Phthalate
Butyl Decyl Phthalate
Dicapryl Phthalate
Isooctyl Isodecyl Phthalate
N-Octyl, N-Decyl Phthalate
Linear N-Hexyl, N-Octyl, N-Decyl Phthalate
Linear N-Octyl N-Decyl Phthalate
Isodecyl Tridecyl Phthalate
Dibutoxylethyl Phthalate
Dioctyl Isophthalate
Triisooctyl Trimellitate
N-Octyl N-Decyl Trimellitate
Butyl Cellosolve Adipate
Dimethyl Sebacate
Diisooctyl Sebacate
Dimethyl Adipate
Diisobutyl Adipate
Dinonyl Adipate
Dibutoxyethyl Adipate
N-Octyl N-Decyl Adipate
Isooctyl Isodecyl Adipate
N-Hexyl N-Octyl N-Decyl Adipate

Table II (cont'd)

Products Manufactured at Hatco Facility
Hatco Corporation
Fords, New Jersey

Linear N-Octyl N-Decyl Adipate
Dibutyl Maleate
Dibutyl Fumarate
Benzyl Chloride
Butyl Benzoate
Methyl Isobutyl Carbinol Phthalate
Butyl Cellosolve Adipate
Butyl Cellosolve Phthalate
Di Normal Propyl Adipate
Di Normal Hexyl Adipate

N

MAIN OFFICE

ROUTE 440

KING GEORGE POST RD

No. 6 FUEL OIL TANK

HOPPER WASTE PAD

SLING TAIL CREEK

ALCOHOL TANK FARM

MAINTENANCE BUILDING

WAREHOUSE No.5

ESTER I TANK FARM

ESTER I PROCESS BUILDING

POND

HYDROTHERM BUILDING

SCALE HOUSE TANKS

MAIN PRODUCTION AREA

TRUCK TRANSFER STATION

WAREHOUSE No.4

FORMER POND No. 1

ACID TANK FARM

MW-15S AREA

EFFLUENT PRETREATMENT PLANT

FORMER POND No. 2

FORMER POND No.4

FORMER POND No.3

ESTER II BUILDING

FORMER MUCK AREA

RAILROAD SIDING AREA

CHANNEL B

CHANNEL A

CROWS MILL CREEK

FORMER LAGOONS

POND

INDUSTRIAL AVENUE

APPROXIMATE PROPERTY BOUNDARY

CHANNEL D

0 250 500

SCALE (FEET)

SITE FEATURES MAP
HATCO CORPORATION SITE
FORDS, NEW JERSEY

URS
WAYNE, NEW JERSEY

DR. BY	ET	SCALE	AS SHOWN	DWG. NO. 64695099	PROJ. NO. 6E04695
CK'D. BY	MC	DATE	FEB. 23, 2001	FIG. NO.	2-1

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Appendix B: Former Nuodex Chemical Manufacturing Process Information

ATTACHMENT A

PROCESS OPERATIONS

Extensive descriptions and data have been provided by Nuodex, Inc. pertaining to process activities that took place at the Nuodex Fords facility. The information includes:

- Historical Product Listing (A-2 thru A-5)
- Products and Raw Materials including quantity used on a yearly basis (A-6 thru A-20)
- Process Descriptions and Flow Diagrams (A-21 thru A-61)
- Listing of Areas of Hazardous Materials Activity (A-62 thru A-65)

Currently, the plant is not producing any chemicals and is preparing for a shutdown.

All materials, including any hazardous materials, will be shipped off site as part of the current clean-up operation.

The Boiler Room and the sewage plant are currently operating. Nuodex plans to shut these operations down in the near future. A final closing date will be determined after approval of this plan.

From December, 1982 until present, Nuodex Inc. owned and operated the site producing formaldehyde, Nuosept 95, Guaiacol C. tributoxyethyl phosphate, tri-octyl phosphate and diphenyl decyl phosphite. These processes and the processes operated by Tenneco prior to Nuodex are described in the section, "Process Descriptions and Flow Diagrams".

FORDS PRODUCTS

HISTORICAL

	Location Produced	Dates Produced
Adipic Acid		Before 1966
Aktivins		Before 1964
Amicral		Before 1960
Anisic Acid		Before 1960
Anisoyl Chloride		Before 1960
Benzal Chloride	S-1, S-2	Until 1978
Benzal Chloride, 2,4, 2,6 & 3,4 Dichloro	S-2	Until 1978
Benzaldehyde	12, S-1	1941 - 1969
Benzaldehyde, 2,4, 2,6 & 3,4 Dichloro	S-2, 49	Until 1978
Benzaldehyde, Ortho & Parachloro	S-2, 49	" 1978
Benzil		Before 1960
Benzilic Acid		" 1960
Benzilic Acid, Ortho & Parachloro		" 1960
Benzilic Acid, 2,4 & 3,4 Dichloro		" 1960
Benzoic Acid, Ortho & Parachloro	S-2, 49	Until 1978
Benzoic Anhydride		Before 1960
Benzoin		Before 1960
Benzotrifluoride	S-2	1968 - 1975
Benzotrifluoride, Ortho, Para and Meta Chloro	S-2	1968 - 1975
Benzotrichloride	S-2	Until 1978

	Location Produced	Dates Produced
Benzotrichloride, Ortho & Parachloro	S-2	Until 1978
Benzotrichloride, 2,4 & 3,4 Dichloro	S-2	Until 1978
Benzoyl Chloride	S-2	Until 1966
Benzoyl Chloride, 2,4 & 3,4 Dichloro	49	Until 1978
Benzoyl Chloride, Ortho & Parachloro	S-2	Until 1978
Benzyl Alcohol	S-2	1967 - 1977
Benzyl Chloride	S-1	Until 1978
Benzyl Chloride, 2,4 & 3,4 Dichloro	S-2	" 1978
Benzyl Chloride, Ortho & Parachloro	S-1 & S-2	" 1978
Cresotes	S-2	" 1975
Creosol Carbonate	S-2	" 1975
Diphenyl Isodecyl Phosphite	25	" 1984
Formaldehyde	20, 36, 37	Until 1985
Formic Acid	30	1957 - 1970
Glycerol Phosphates		Before 1965
Guaiacols	49, S-1	Until 1985
Guaiacol Carbonate	S-1	" 1978
Herbicide (HC-1281)	S-1	" 1977
Hexamethylene Tetramine	36, 37	" 1982
Hydrochloric Acid	S-2	Until 1978
Lignocol	S-2	Until 1975
Maleic Anhydride	32	1960 - 1982
Nuosept 95	S-2, 49	1975 - 1985

	Location Produced	Dates Produced
Pentaerythritol	30	1957 - 1970
Phenyl Diisodecyl Phosphite	25	1970 - 1985
Phthalic Anhydride	32	1962 - 1966
Salicylaldehyde	25	Until 1970
Salicylsalicylic Acid	49	Until 1978
Sodium Formate	30	1957 - 1970
Strobane	S-1, 60	1957 - 1978
Sulfidal	37	Until 1985
Tri Octyl Phosphate	25	1970 - 1985
Toluene, 2,4 & 3,4 Dichloro	S-2	Until 1978
Toluene, Ortho & Parachloro	25	Until 1978
Tolyl Aldehyde	S-1, 12	1941 - 1969
Tributoxy Ethyl Phosphate	25	1970 - 1985
Tributyl Phosphate	25	1970 - 1980
Trichloro Toluene	S-2	Until 1978
Trichlorphenyl Acetic Acid, Sodium Salt (Tri-Fen)	S-1	1967 - 1978
Tris - 2,3 - Dibromopropyl Phosphate	25	1970 - 1975
Supercryl	30	1973 - 1979
Toxaphene	S-1	1957 - 1978
Calcium Benzoate		Before 1965
Calcium Creosotate		Before 1965
Calcium GP		Before 1965

	Location Produced	Dates Produced
Collargol		Before 1965
Copper Protein		Before 1965
GP Acid 35%		Before 1965
Orthochlorobenzal Chloride	S-1, S-2	Until 1978
Prestex		Before 1965
Pure Beta Sodium GP		Before 1965
Sodium Benzoate		1957 - 1970
Stonex		Before 1965
Glycerol Phosphates		Before 1965
Silver Proteins		Before 1965

BLDG. 12

PRODUCTS AND RAW MATERIALS USED	Yearly Production Consumption X 1,000 lbs.
Benzaldehyde	M.T. 100
Toluene	M.T. 100
Activated Carbon	L.T. 10
Soda Ash	50-100
Ammonia	L.T. 10
Catalyst	L.T. 10
Ammonium Molybdate	L.T. 10
Sulfur Dioxide	L.T. 10
Uranium Nitrate	L.T. 10
Tolyl Aldehyde	M.T. 100
Xylene, 2°	L.T. 10

M.T. = More than
L.T. = Less than

BLDGS 20 & 39

PRODUCTS AND RAW MATERIALS USED	Yearly Production Consumption X 1,000 lbs.
Formaldehyde (Formox)	M.T. 100
Methanol	M.T. 100
Formic Acid (by-product)	10-50
*Molybdenum Oxide & Ferric Oxide	L.T. 10

BLDG. 25

PRODUCTS AND RAW MATERIALS USED	Yearly Production Consumption X 1,000 lbs.
Orthochlorotoluene & Parachlorotoluene	M.T. 100
Chlorine	M.T. 100
Toluene	M.T. 100
Caustic Soda	M.T. 100
Triethamolamine	L.T. 10
Salicylaldehyde	M.T. 100
Chlorine	M.T. 100
Magnesium Oxide (Catalyst)	L.T. 1
Methanol	10 - 50
Ortho Cresol	M.T. 100
Phosphorus Oxychloride	50 - 100
Toluene	M.T. 100
Monochlorotoluene	M.T. 100
Tributoxy Ethyl Phosphate (TBEP)	M.T. 100
Butoxyethanol	M.T. 100
Phosphorus Oxychloride	M.T. 100
Soda Ash	M.T. 100
Tetra Butyl Titanate	L.T. 10
Tris Octyl Phosphate	M.T. 100
2 - Ethyl Hexanol	M.T. 100
Phosphorus Oxychloride	M.T. 100
Phosphoric Acid	L.T. 1
Diphenyl Isodecyl Phosphite	M.T. 100
Phenol	M.T. 100
Phosphorus Trichloride	M.T. 100
Sodium Methoxide	L.T. 10
Isodecyl Alcohol	M.T. 100
Tributyl Phosphate (TBP)	M.T. 100
Butanol	M.T. 100
Phosphorus Oxychloride	50 - 100
Tetrabutyl Titanate	L.T. 10
Soda Ash	L.T. 10

BLDG. 25

	Yearly Production Consumption X 1,000 lbs.
Tris - 2,3 - Dibromopropyl Phosphate (T-2,3-P)	M.T. 100
2,3 Dibromopropanol	M.T. 100
Phosphorus Oxychloride	50-10
Soda Ash -	L.T. 10
Versene 100	L.T. 10

BLDG 30

PRODUCTS AND RAW MATERIALS USED

	Yearly Production Consumption X 1,000 lbs.
Pentaerythritol	M.T. 100
Formaldehyde	M.T. 100
Acetaldehyde	M.T. 100
Sulfuric Acid	50 - 100
Formic Acid	M.T. 100
Supercryl 100	M.T. 100
Methyl Methacrylate	M.T. 100
Ethyl Acrylate	50 - 100
Potassium Persulphate	L.T. 1
Dupanol WAQE	L.T. 1
Thiostop	L.T. 1
N-Dodecyl Mercaptan	L.T. 1

BLDGS 36, 36A, 37, 37A, 47

PRODUCTS AND RAW MATERIALS USED

	Yearly Production Consumption X 1,000 lbs.
Formaldehyde	M.T. 100
Methanol	M.T. 100
Hexamethylenetetramine	M.T. 100
Formaldehyde	M.T. 100
Ammonia (Anhydrous)	M.T. 100
Soda Ash	L.T. 10
Hi Sill	L.T. 10
Calcium Stearate	10-50
Sulfuric Acid	M.T. 100
Sulfidal	50-100
Sulfur	10-50
Gum Arabic	10-50
Methyl Parasept	L.T.1
Soda Ash	L.T.1
Antifoam	L.T.1
Borax	L.T.1
Anti-Emulsion	L.T.1

BLDG. 32

PRODUCTS AND RAW MATERIALS USED	Yearly Production Consumption X 1,000 Lbs.
Maleic Anhydride	M.T. 100
Benzene	M.T. 100
Xylene	L.T. 10
Maleic Briquettes	M.T. 100
Maleic Anhydride	M.T. 100
Phthalic Anhydride	M.T. 100
Xylene	M.T. 100

BUILDING 49

PRODUCTS AND RAW MATERIALS USED	Yearly Production Consumption X 1,000 Lbs.
Benzaldehyde, 2,4 Dichloro	L.T. 10
2,4 Dichloro benzal chloride	L.T. 1
Caustic Soda	L.T. 10
Sulfuric Acid	L.T. 10
Benzaldehyde, 3,4 Dichloro	
3,4 Dichloro benzal chloride	L.T. 10
Benzaldehyde, Orthochloro	M.T. 100
Crude orthochlorobenzaldehyde	M.T. 100
Benzoic Acid, 2,4 Dichloro	10 - 50
2,4 Dichlorobenzotrichloride	10 - 50
Herbicide (Free Acid)	10 - 50
Trichlorobenzoic Acid, Sodium Salt	10 - 50
Parachlorobenzoic Acid	L.T. 10
Parachlorobenzotrichloride	L.T. 10
2,4 Dichloro Benzoyl Chloride	10 - 50
Acetic Acid	10 - 50
Soda Ash	L.T. 1
Thionyl Chloride	L.T. 1
Zinc Chloride	L.T. 1
2,4 Dichloro Benzotrichloride	10 - 50
Methanol	L.T. 1
Orthochlorobenzoyl Chloride	10 - 50
Orthochlorobenzotrichloride	10 - 50
Parachloro Benzoyl Chloride	50 - 100
Parachlorobenzotrichloride	M.T. 100

BUILDING 49

	Yearly Production Consumption X 1,000 Lbs.
Dichloro Benzoyl Chloride	M.T. 100
Parachlorobenzotrichloride	M.T. 100
Orthochloro Benzoyl Chloride	10 - 50
Orthochlorobenzotrichloride	10 - 50
Parachloro Benzoyl Chloride	50 - 100
Toluene	50 - 100
Parachlorotoluene	50 - 100
Salicylsalicylic Acid	10 - 50
Dimethylaniline	L.T. 10
Methanol	L.T. 10
Phosphorus Trichloride	L.T. 10
Sulfuric Acid	L.T. 10
Toluene	L.T. 10
Salicylic Acid	L.T. 10
Guaiacol C *	M.T. 100
Guaiacol Crystals	50 - 100
O-Cresol	50 - 100
Nuosept 95*	M.T. 100
Formaldehyde	M.T. 100
Tris (hydroxmethyl) aminomethane	M.T. 100

* Made in Building 49 - 1982 to 1985
Previously made in Area S-2

AREA S-1

PRODUCTS AND RAW MATERIALS USED

		Yearly Production Consumption X 1,000 lbs.
K-7 (Bldg 7)	Benzaldehyde (Crude)	M.T. 100
	Toluene	M.T. 100
Bldg. 15 K-3	Benzyl Chloride	M.T. 100
	Toluene	M.T. 100
	Chlorine	M.T. 100
	1,3 Diethyl Thiourea	L.T. 1
	Methanol	L.T. 10
	Soda Ash	L.T. 1
	Pyridine	L.T. 1
	Triethylamine	L.T. 1
K-3A	*Herbicide (HC-1281-S & DM-4)	M.T. 100
	Trichlorotoluene	M.T. 100
	Chlorine	M.T. 100
	Benzoyl Peroxide	L.T. 10
	Caustic Soda	L.T. 10
	Darco S-51	L.T. 10
	Chloroform	10 - 50
	Nitric Acid	50 - 100
	Pyridine	L.T. 1
	Sulfuric Acid	M.T. 100
	Dimethylamine	50 - 100
	Marasperse	L.T. 10
	Tween 20	L.T. 10
	Sodium Nitrate	L.T. 10
	*Tri-Fen	M.T. 100
	Trichlorotoluene	M.T. 100
	Chlorine	M.T. 100
	Benzoyl Peroxide	L.T. 1
	Caustic Soda	M.T. 100
	Ferrous Sulfate	M.T. 100
	Marasperse	L.T. 1
	Methanol	L.T. 1
	Sodium Cyanide	10 - 50
	Sulfuric Acid	M.T. 100
	Tween 20	L.T. 10

* No production after 1976

AREA S-1

		Yearly Production Consumption X 1,000 lbs.
Bldg. 15 K-13	Parachlorobenzyl Chloride	50 - 100
	Parachlorotoluene	50 - 100
	Chlorine	50 - 100
	Dowtherm A	L.T. 10
	Carbowax	L.T. 1
	Orthochlorobenzyl Chloride	
	Orthochlorotoluene	
	2,4 Dichlorobenzyl Chloride	L.T. 10
	2,4 Dichlorotoluene	L.T. 10
Bldg. 15 K-19	Strobane	M.T. 100
	Mixed Camphene	M.T. 100
	Alpha Pinene	M.T. 100
	Chlorine	M.T. 100
	Benzoyl Peroxide	10 - 50
	Chloroform	L.T. 10
	Pyridine	L.T. 1
	Xylene, 2°	L.T. 10
K-20	Orthochlorobenzotrichloride	10 - 50
	Orthochlorotoluene	10 - 50
	Chlorine	10 - 50
	Benzoyl Peroxide	L.T. 1
	Pyridine	L.T. 1
	Parachlorobenzotrichloride	M.T. 100
	Parachlorotoluene	50 - 100
	Orthochlorobenzal Chloride	M.T. 100
	Orthochlorotoluene	M.T. 100
	3,4 DC Benzal Chloride	L.T. 10
	3,4 DC Toluene	L.T. 10
K-13	Dichlorobenzyl Chloride	10 - 50
	Chlorine	L.T. 10
	Dichlorotoluene	L.T. 10

AREA S-2

	PRODUCTS AND RAW MATERIALS USED	Yearly Production Consumption X 1,000 lbs.
Dept. K-9	Orthochlorobenzoic Acid	M.T. 100
	Orthochlorotoluene	M.T. 100
	Parachlorobenzaldehyde	M.T. 100
	Parachlorotoluene	M.T. 100
Dept K-9	Benzoyl Chloride	L.T. 10
	Chlorine	L.T. 10
	Benzotrichloride	L.T. 10
Dept K-1	Parachlorobenzotrichloride	L.T. 10
	Parachlorotoluene	L.T. 10
	Chlorine	L.T. 10
	2,4 Dichlorobenzotrichloride	M.T. 100
	2,4 Dichlorotoluene	50 - 100
	3,4 Dichlorobenzotrichloride	L.T. 10
	3,4 Dichlorotoluene	L.T. 10
	Sulfuric Acid	L.T. 10
	Parachlorobenzyl Chloride	M.T. 100
	Parachlorotoluene	50-100
	2,4 Dichlorobenzal Chloride	L.T. 10
	2,4 Dichlorotoluene	L.T. 10
	2,6 Dichlorobenzal Chloride	L.T. 10
	2,6 Dichlorotoluene	L.T. 10
K-9	Orthochlorobenzal Chloride	M.T. 100

AREA S-2

		Yearly Production Consumption X 1,000 lbs.
Dept. D-1	Creosote	10-50
	Cresote HA Oil	10-50
	Caustic Soda	L.T. 10
	Guaiacol C	
	Guaiacol Crystals	
	Ortho Cresol	
	Creosote BW & NF	10-50
	Creosote Cliff Dow	10-50
	Lignocol	10-50
	Soda Ash	L.T. 10
	Zinc Dust	L.T. 1
Dept. K-9	Orthochlorobenzaldehyde	M.T. 100
	Orthochlorotoluene	M.T. 100
	Chlorine	M.T. 100
	Chloroform	L.T. 1
	Soda Ash	10-50
	Sodium Hypochlorite	L.T. 1
	Sulfuric Acid	L.T. 10
	Zinc Dust	L.T. 1

AREA S-2

		Yearly Production Consumption X 1,000 Lbs.
Dept. K-6	Hydrochloric Acid	M.T. 100
	Activated Carbon	L.T. 10
	Ammonia (aqueous)	L.T. 1
	Caustic Soda	50 - 100
	Hydrazine Hydrate	L.T. 1
	Soda Ash	L.T. 1
	Monochlorotoluene - Crude	M.T. 100
	Toluene (Gals)	M.T. 100
	Chlorine	M.T. 100
	Stannic Chloride	L.T. 10
	Sulfuric Acid	M.T. 100
	Chloroform	L.T. 10
Dept. H-5	Trichlorotoluene	M.T. 100
	Orthochlorotoluene	M.T. 100
	Chlorine	M.T. 100
	Caustic Soda	10 - 50
	2,4 & 3,4 Dichlorotoluene	M.T. 100
	Parachlorotoluene	10 - 50
	Chlorine	10 - 50
	Orthochlorobenzotrifluoride	M.T. 100
	Orthochlorobenzotrichloride	M.T. 100
	Antimony Pentachloride	L.T. 1
	Caustic Soda	L.T. 10
	Hydrofluoric Acid	50 - 100
	Parachlorobenzotrifluoride	L.T. 10
	Parachlorobenzotrichloride	L.T. 10
H-5	Benzyl Alcohol	M.T. 100
	Benzyl Chloride	M.T. 100
	Soda Ash	L.T. 10
	Nuosept 95	50 - 100
	Formaldehyde	50 - 100
	Tris (hydroxymethyl) aminomethane	50 - 100

AREA S-2

		Yearly Production Consumption X 1,000 lbs.
H-5	Metachlorobenzotrifluoride	L.T. 10
	Benzotrichloride	L.T. 10
	Antimony Pentachloride	L.T. 1

FORDS PRODUCTS AND

RAW MATERIALS

LOCATIONS PRODUCED

AND USED

PROCESS DESCRIPTIONS AND

SIMPLIFIED FLOW DIAGRAMS

PRODUCTS MADE AT FORDS

BY TENNECO

1964 TO 1982

BY NUODEX

1982 TO 1985

SIMPLIFIED FLOW DIAGRAMS
FORDS PLANT

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K-12	Benzaldehyde	(1)
P-1	Pentaerythritol	(1)
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* Made by Nuodex and Tenneco

Note (1) - No process diagram included

SIMPLIFIED FLOW DIAGRAMS
FORDS PLANT

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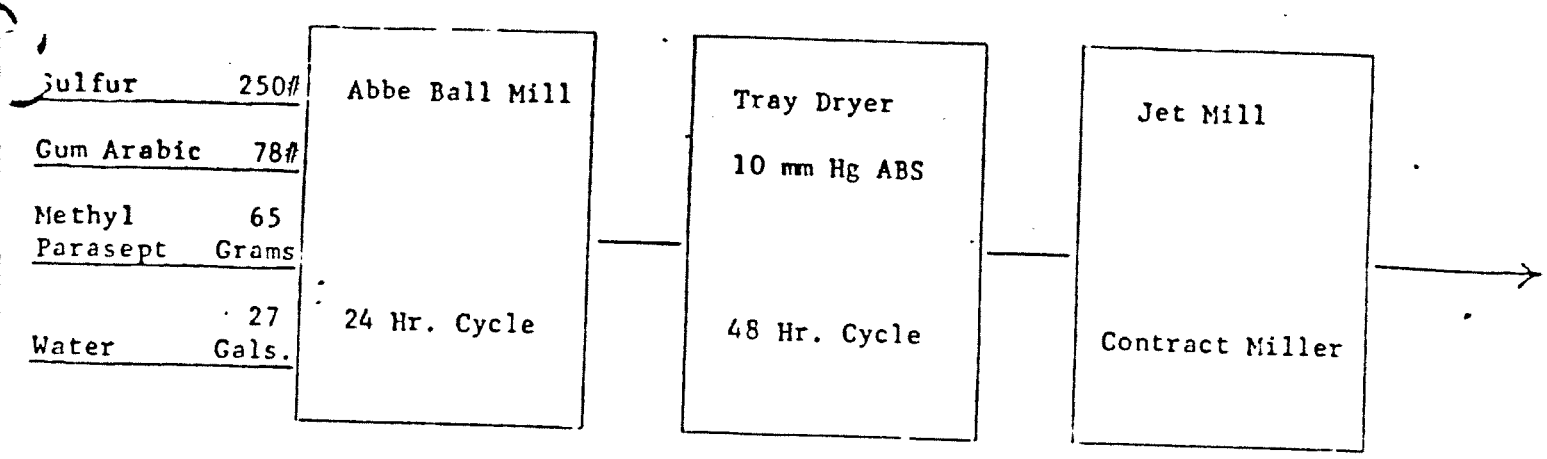
K-18	*Tri-octyl Phosphate	34
K-12	Benzaldehyde	(1)
P-1	Pentaerythritol	(1)
Z-6	Sewage Plant	35

* Made by Nuodex and Tenneco

Note (1) - No process diagram included

SULFIDAL - DEPT. B-B



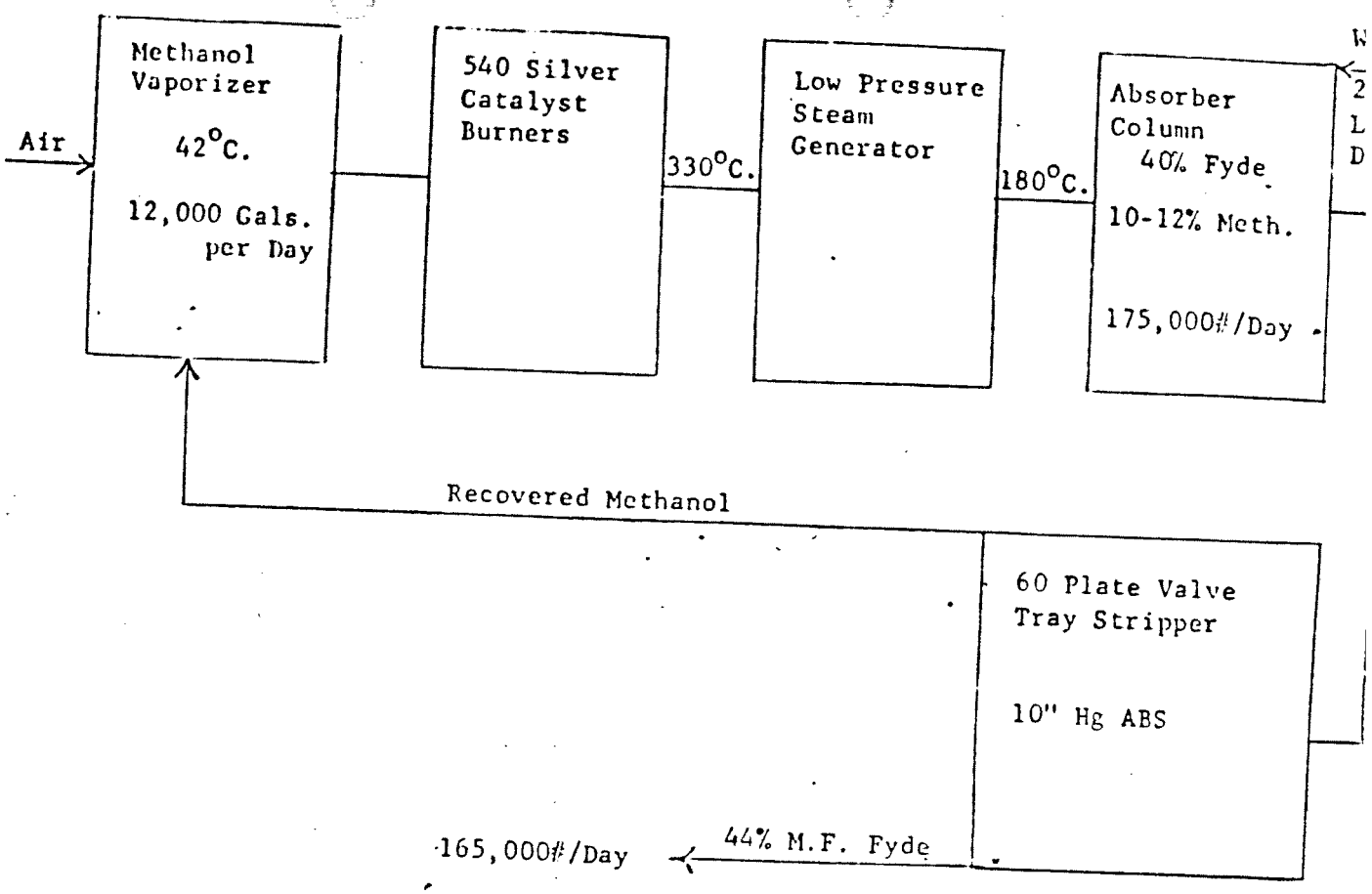
ANNUAL CAPACITY - 200,000 Lbs. (7 Day Operation Using 2 Operators)

PERSONNEL - 1 Chemical Operator (Presently)

PROCESS DESCRIPTION:

Colloidal sulfur (Sulfidal) is manufactured by the wet Ball milling of a mixture of sulfur and gum arabic. It is then dried in a vacuum tray dryer and sent to a contractor for jet milling to meet the specification of 95% minimum through a #200 mesh screen.

JL/pav
11/10/72



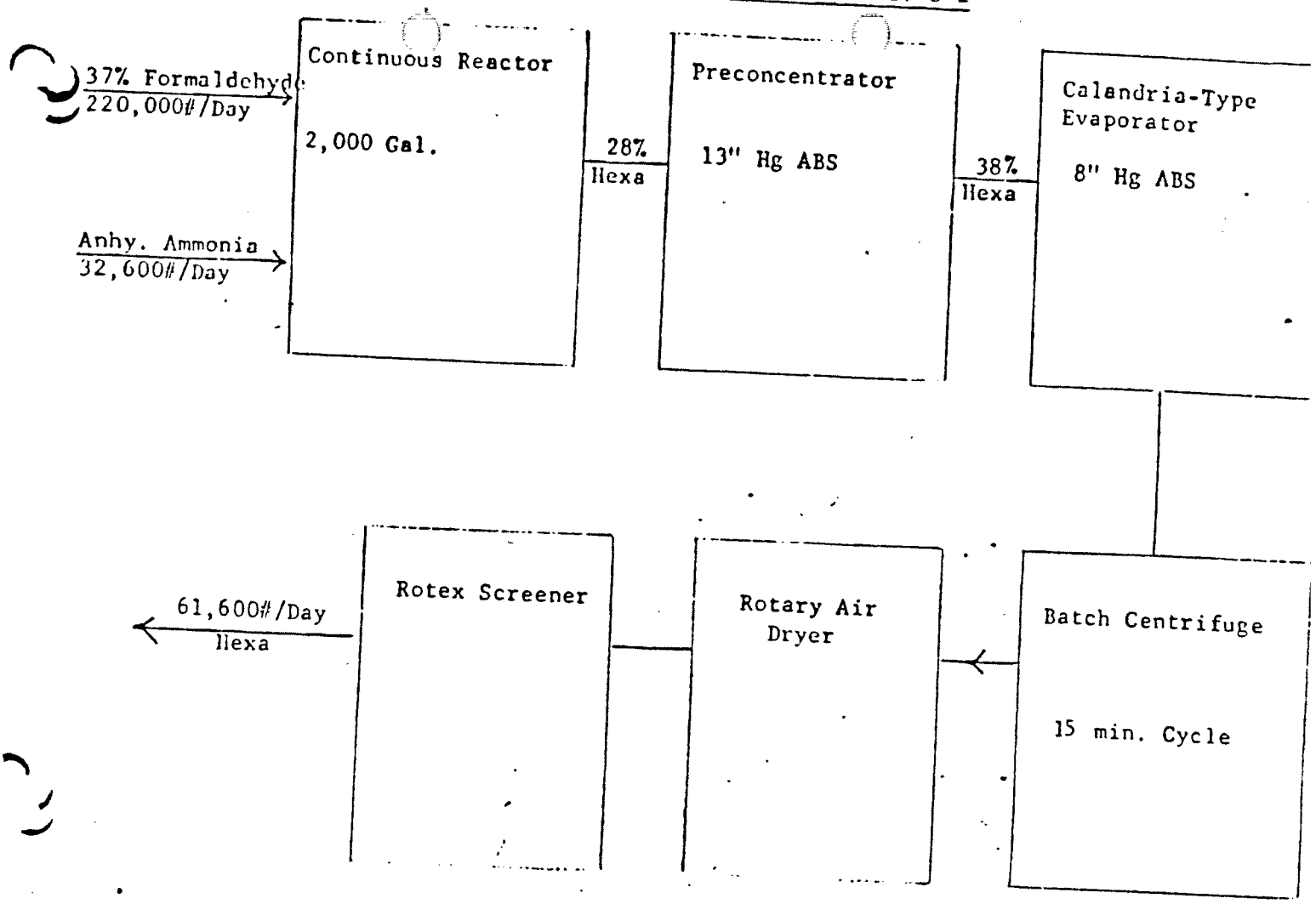
PROCESS DESCRIPTION:

Formaldehyde is produced by the continuous catalytic air oxidation of methanol. Unreacted methanol is recovered by continuous vacuum distillation and returned to the methanol vaporizer. The 44% M.F. formaldehyde is used as a raw material in the hexa process.

Annual Capacity - 65,000,000 Lbs. (7 Day Operation)

Personnel - 6 Chemical Operators (Presently 5 Day Operation)

JL/pav
11/9/72



PROCESS DESCRIPTION:

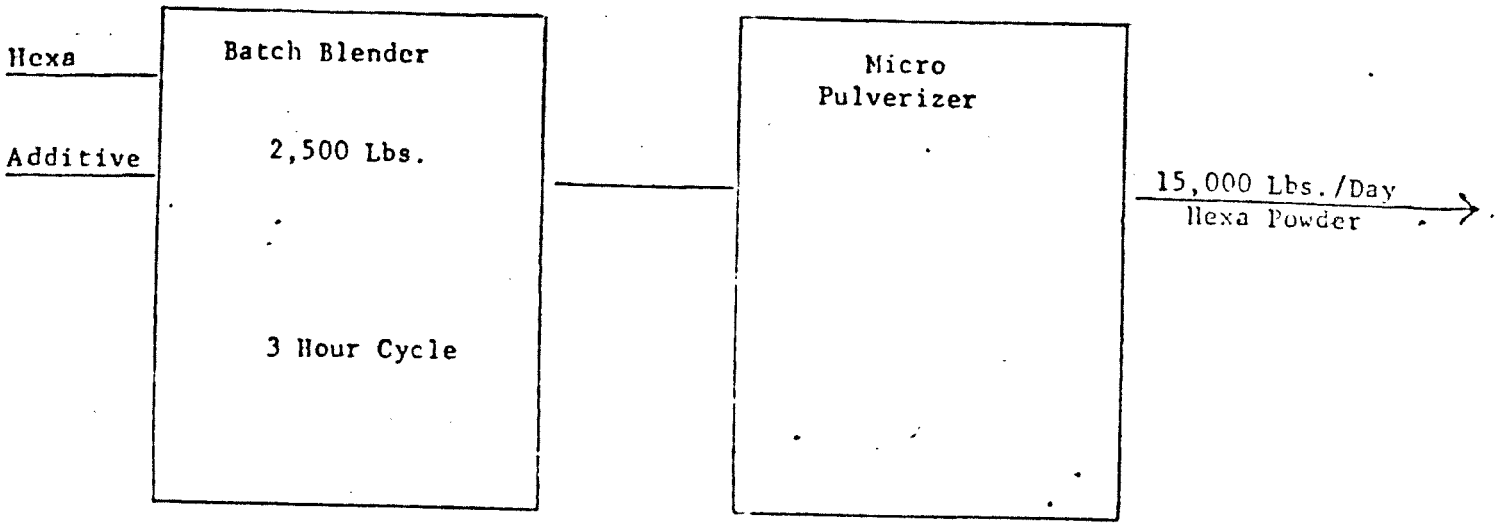
Hexamine is produced by the reaction of ammonia with aqueous formaldehyde. The two step vacuum evaporation forms the crystalline product which is isolated on the centrifuge. The hexa is then dried, screened and packaged for shipment.

Annual Capacity - 22,000,000 Lbs. (7 Day Operation)

Personnel -
17 Chemical Operators
1 Maintenance Operator (Presently 5 Day
1 Warehouse Man Operation)

JL/pav
11/9/72

HEXA POWDER - DEPT C-2-A



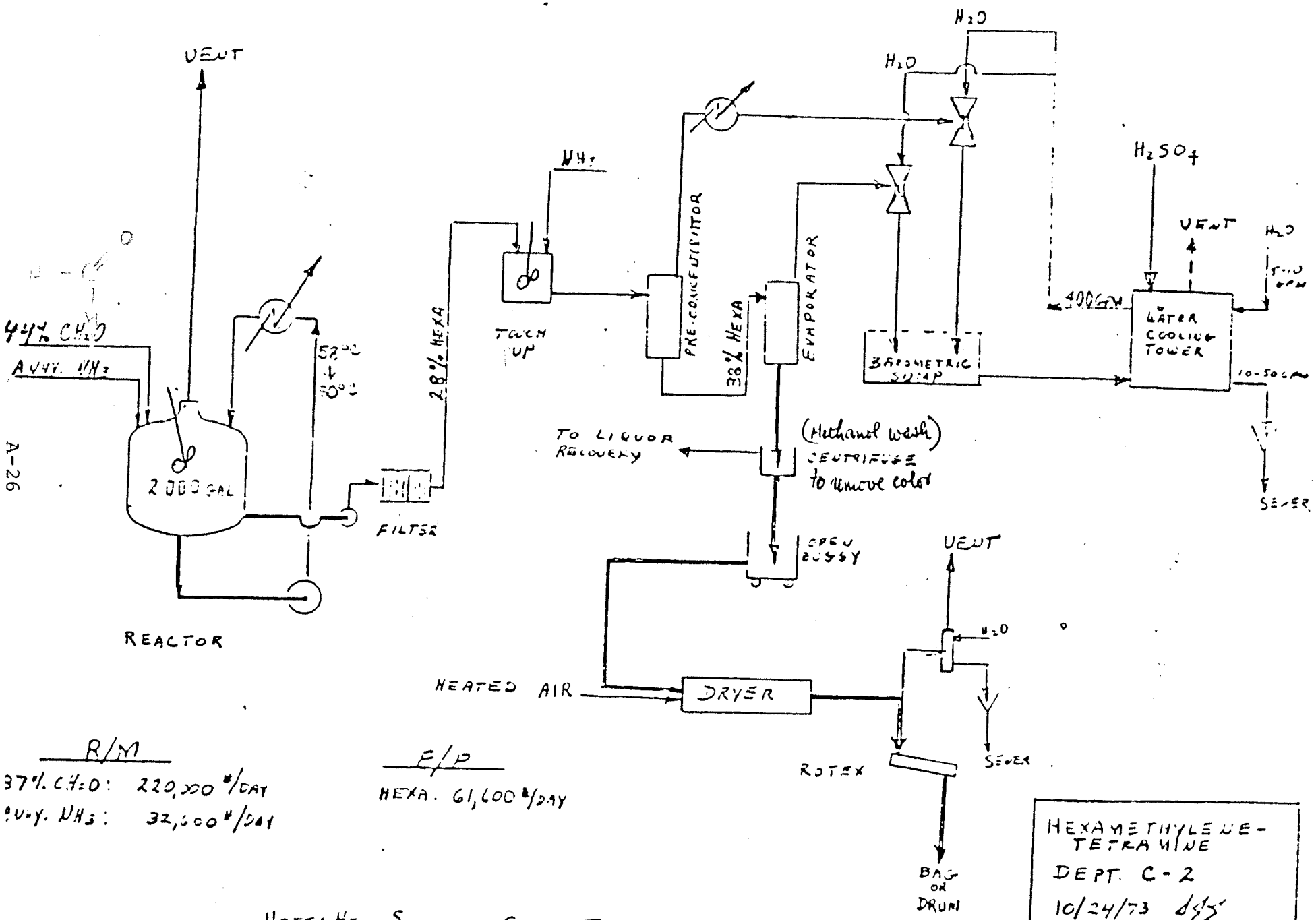
PROCESS DESCRIPTION:

Granular hexa and either H-Sil or Silene Anti-Caking additive are mixed in a batch blender. The mixture is then pulverized to meet the powder specification of 99% minimum through a #100 mesh screen.

ANNUAL CAPACITY - 5,400,000 Lbs. (7 Day Operation)

PERSONNEL - 6 Chemical Operators (Presently 5 Day Operation)

JL/pav
11/13/72



A-26

R/M

37% CH_2O: 220,000 #/DAY

Anhy. NH_3: 32,600 #/DAY

E/P

HEXA. 61,600 #/DAY

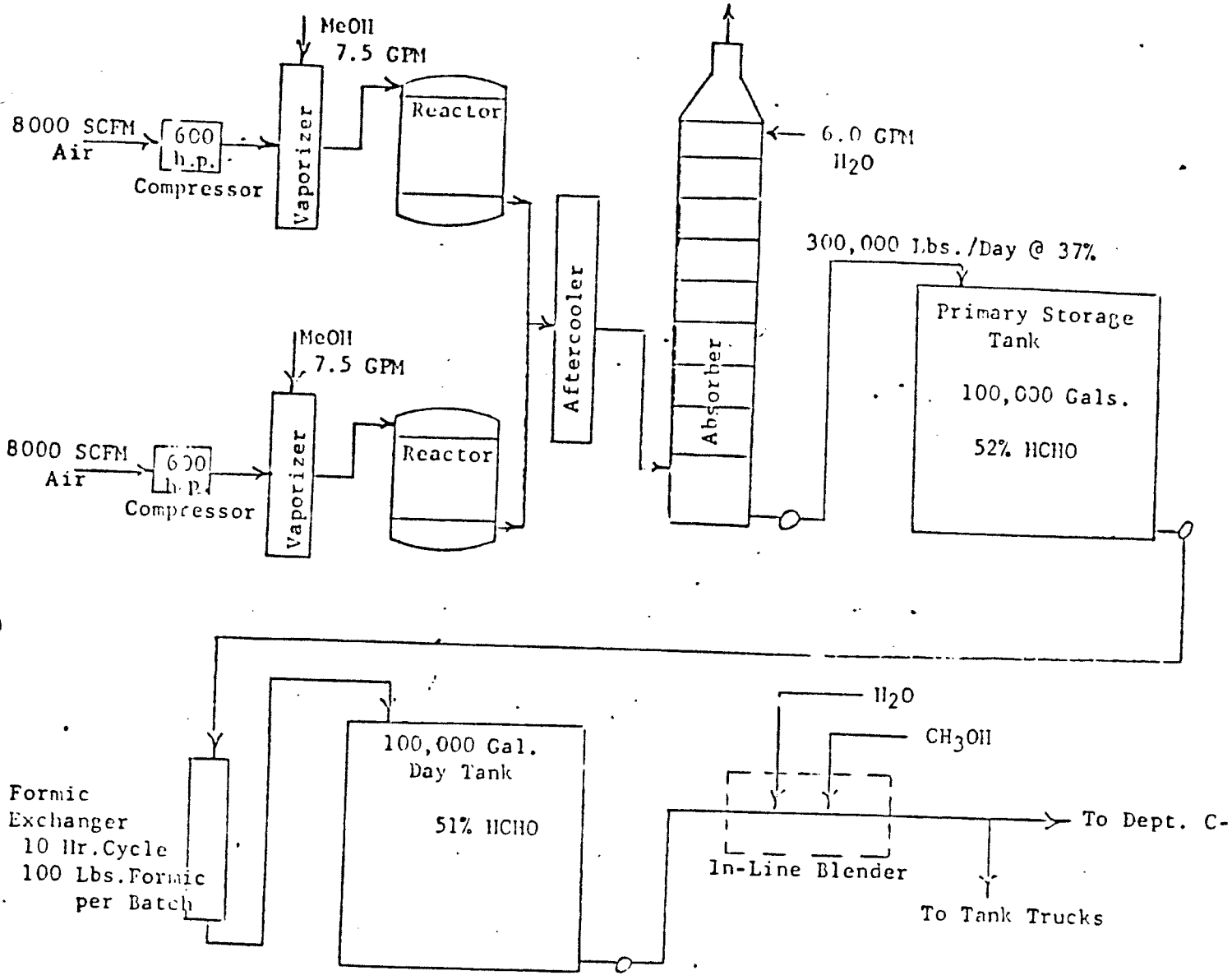
NOTE: HEXA SOLUTION SURGE TK SHOULD NOT SPOON

HEXAMETHYLENE-TETRAMINE

DEPT. C-2

10/24/73 dgf

FOR[illegible]X FORMALDEHYDE - DEPT. F-1



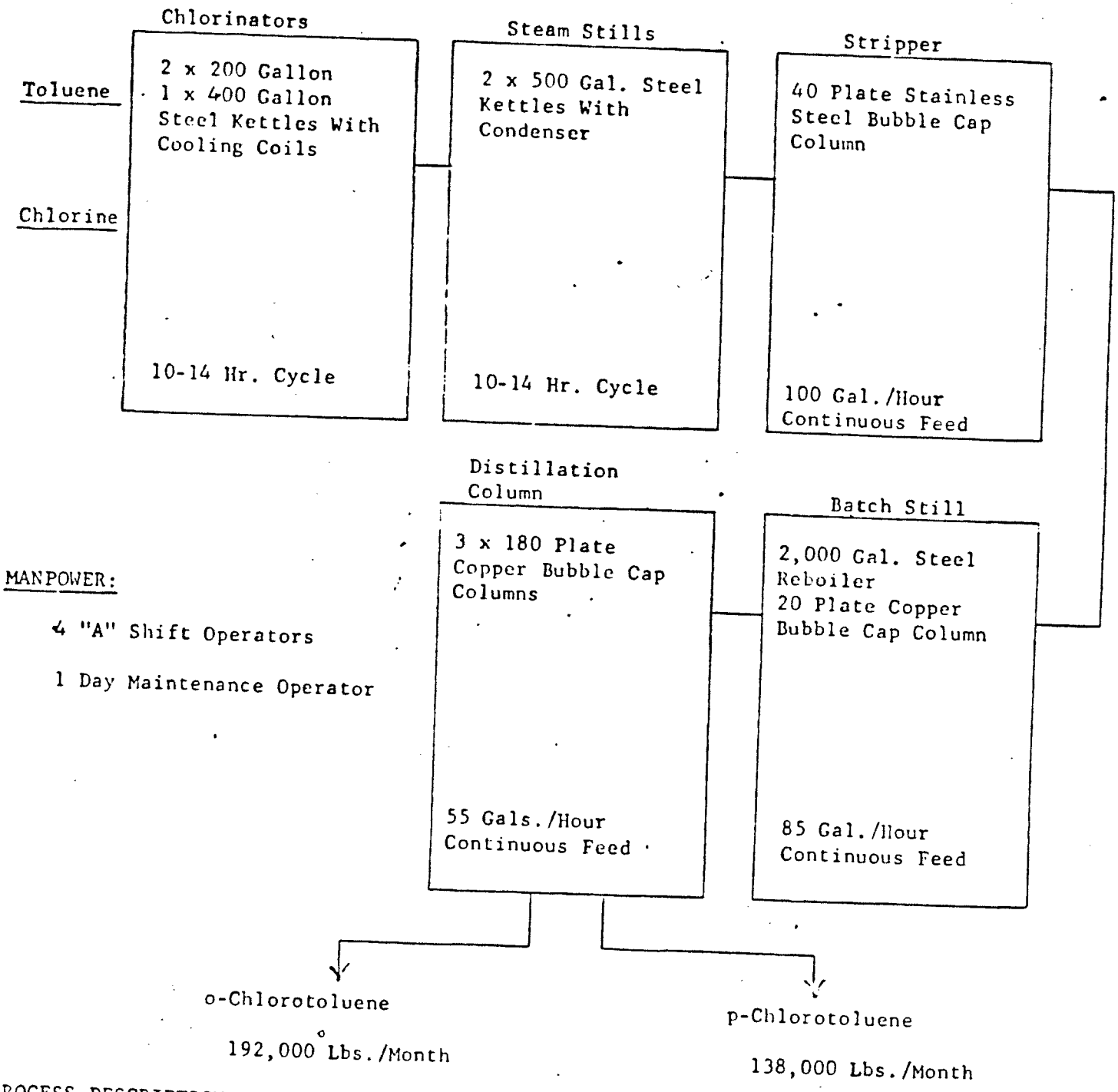
MANPOWER: 4 Chief Shift Operators
4 Maint. Shift Operators
1 Day Loader/Receiver

PROCESS DESCRIPTION:

Methanol is reacted with an excess of air in a fixed-bed reactor. The formaldehyde produced is scrubbed out of the product-gas mixture in the absorber to form a 52% solution of formaldehyde in water with a methanol content of less than 1%. Formic acid is removed by passing the solution through an ion exchange resin. The material is blended to customer's specification with an in-line blender and loaded in tank trucks or transferred to Department C-2.

JN/pav

o- and p-CHLOROTOLUENE - DEPT. H-1,2



MANPOWER:

4 "A" Shift Operators

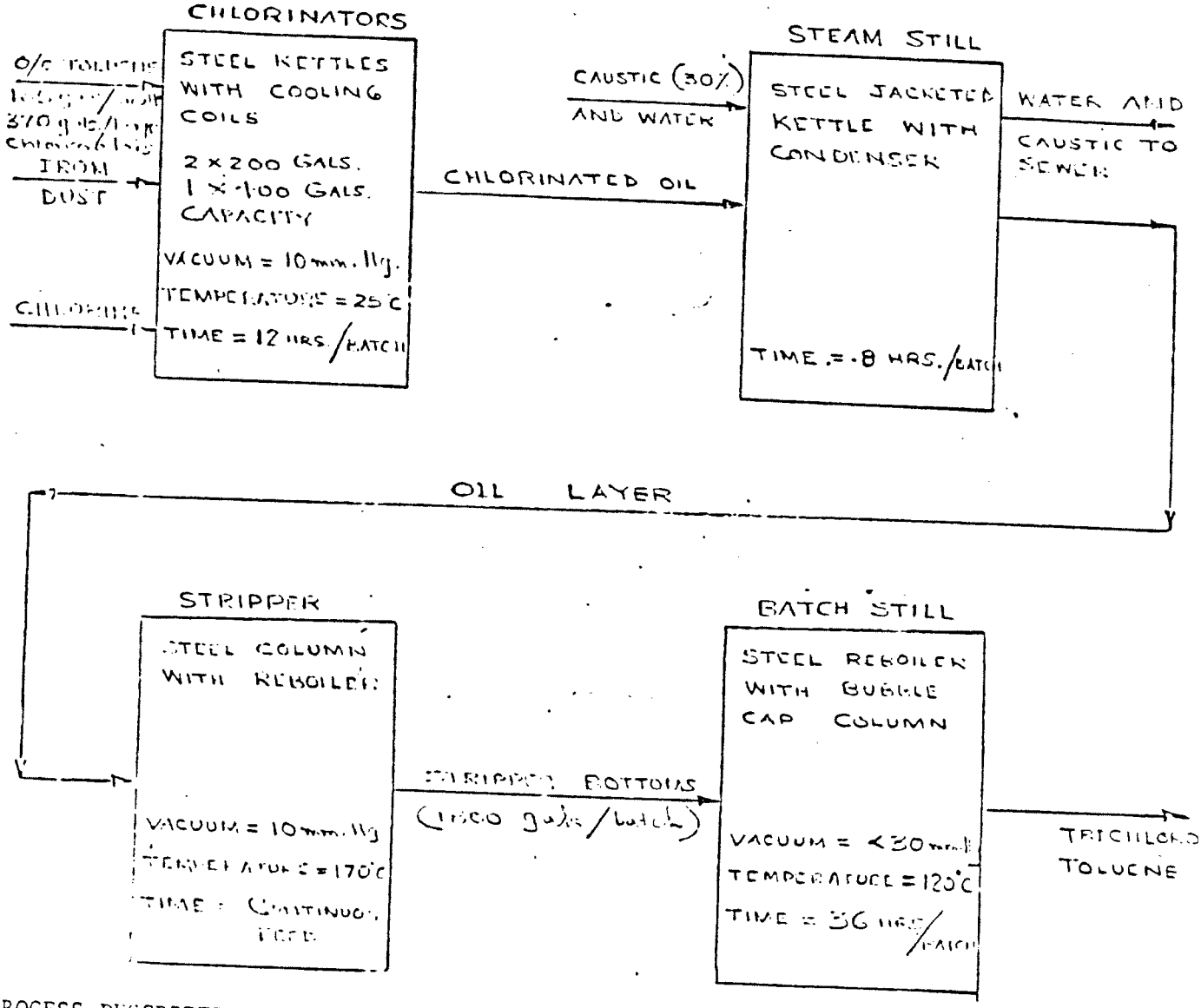
1 Day Maintenance Operator

PROCESS DESCRIPTION:

Toluene is chlorinated on the nucleus in the presence of a Freidl-Kraft catalyst. The resultant mass is continuously stripped of low boiling compounds under vacuum, then continuously separated into ortho and parachlorotoluene. Both of these isomers are usually processed to higher homologues.

EL/pav

TRICHLOROTOLUENE - DEPT. H-5-A



PROCESS DESCRIPTION:

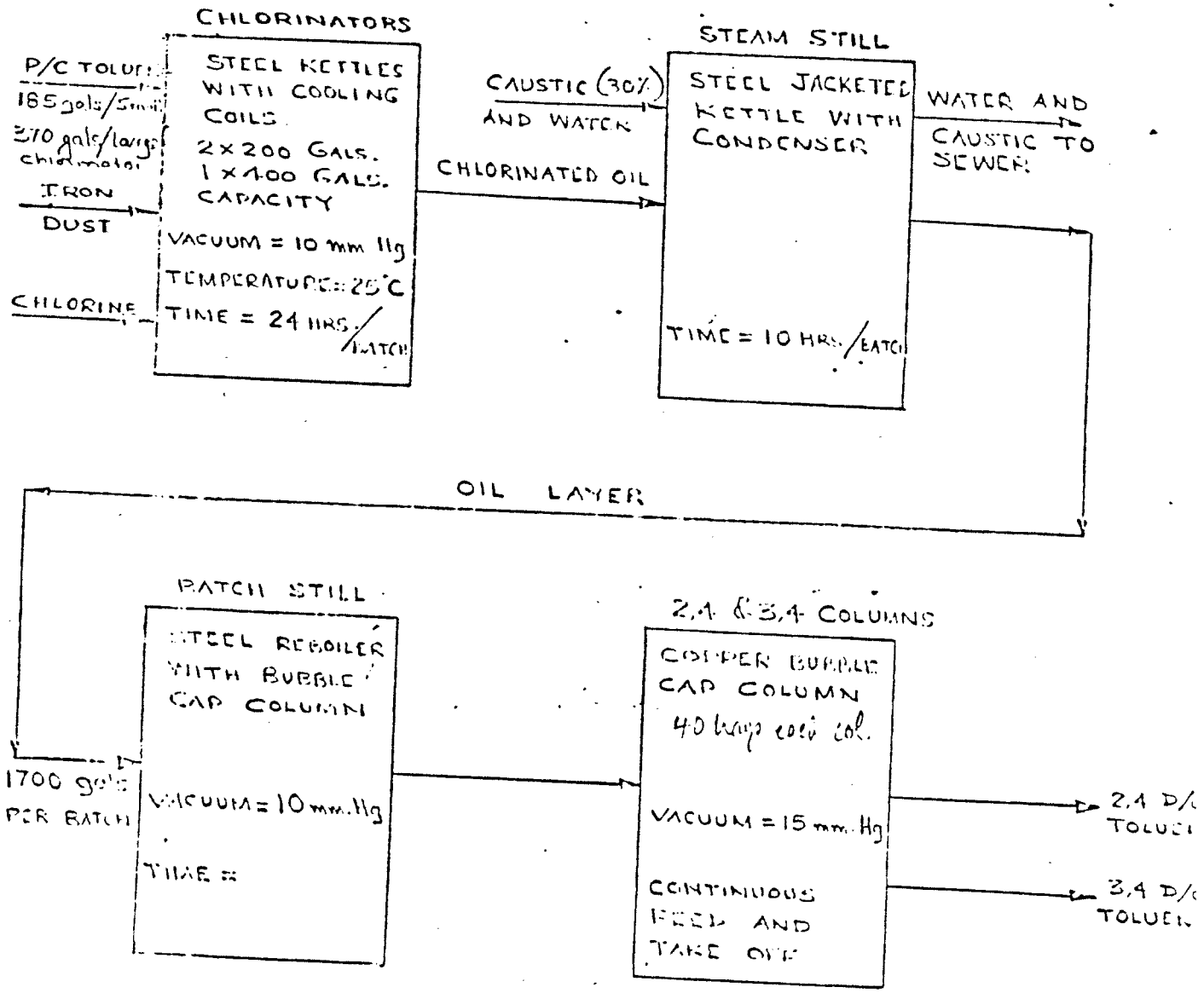
o-Chlorotoluene is chlorinated on the nucleus at low temperature in the presence of a Freidl-Kraft catalyst. The resultant crude trichlorotoluene is then purified by vacuum distillation in the stripper and the batch still. Finished trichlorotoluene containing a minimum of 60% 2,3,6 isomer is used in the manufacture of agricultural chemicals.

DEPARTMENT CAPACITY - 150,000 Lbs./Month, 7 Day Basis

DEPARTMENT STAFFING - 4 "A" Shift Operators

NM/pav

2.4 DICHLOROTOLUENE - DEPARTMENT H-6



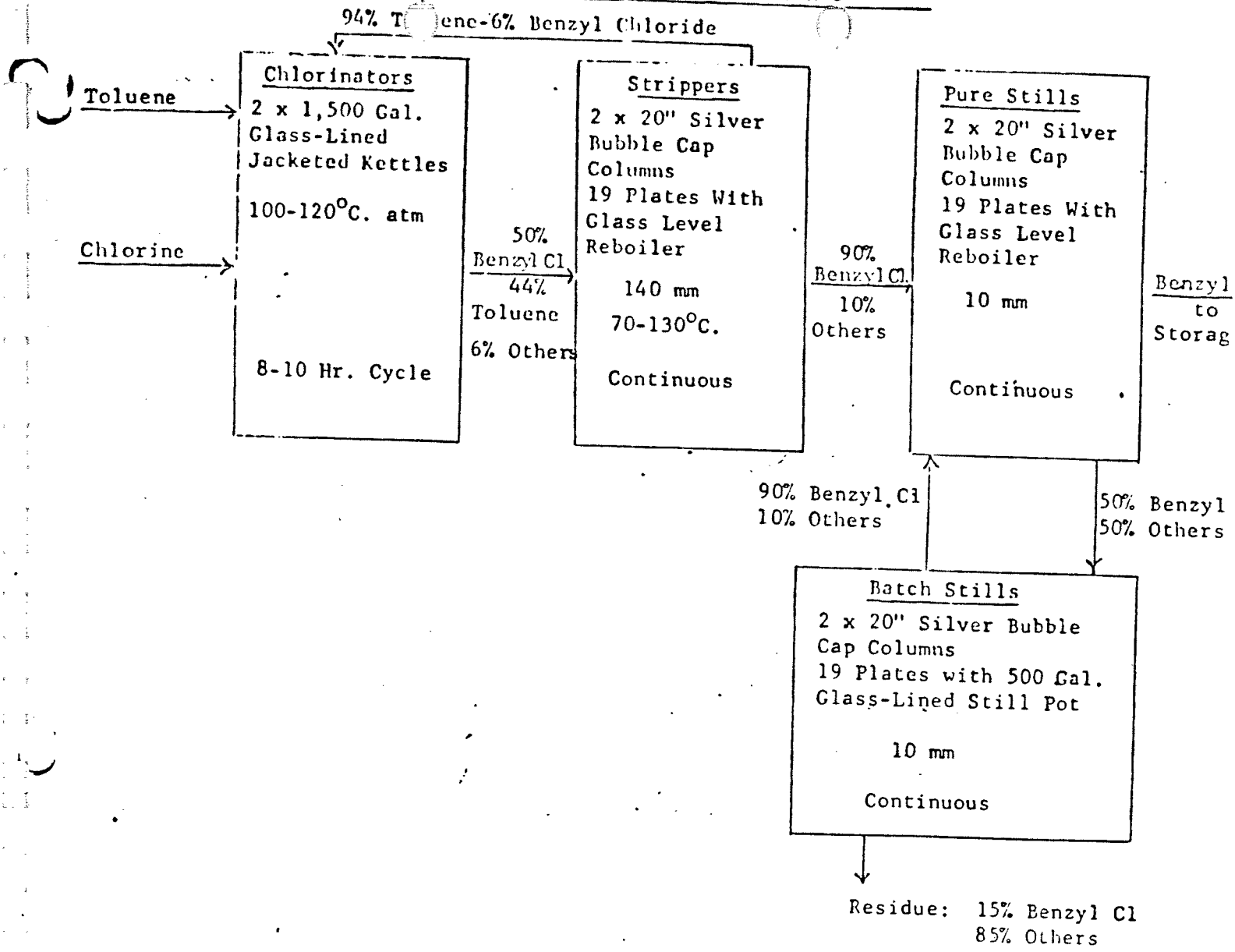
PROCESS DESCRIPTION:

Parachlorotoluene is chlorinated on the nucleus at low temperature in the presence of a Freidl-Kraft catalyst. The resultant crude dichlorotoluene is purified by vacuum distillation, which is then separated into 2.4 and 3.4 dichlorotoluene. These purified isomers are usually processed to higher homologues.

DEPARTMENT CAPACITY - 3,4 DCT = 12,500 Lbs./Month)
- 2,4 DCT = 45,000 Lbs./Month) 7 Day Basis

DEPARTMENT STAFFING - 4 "A" Shift Operators

NM/pav



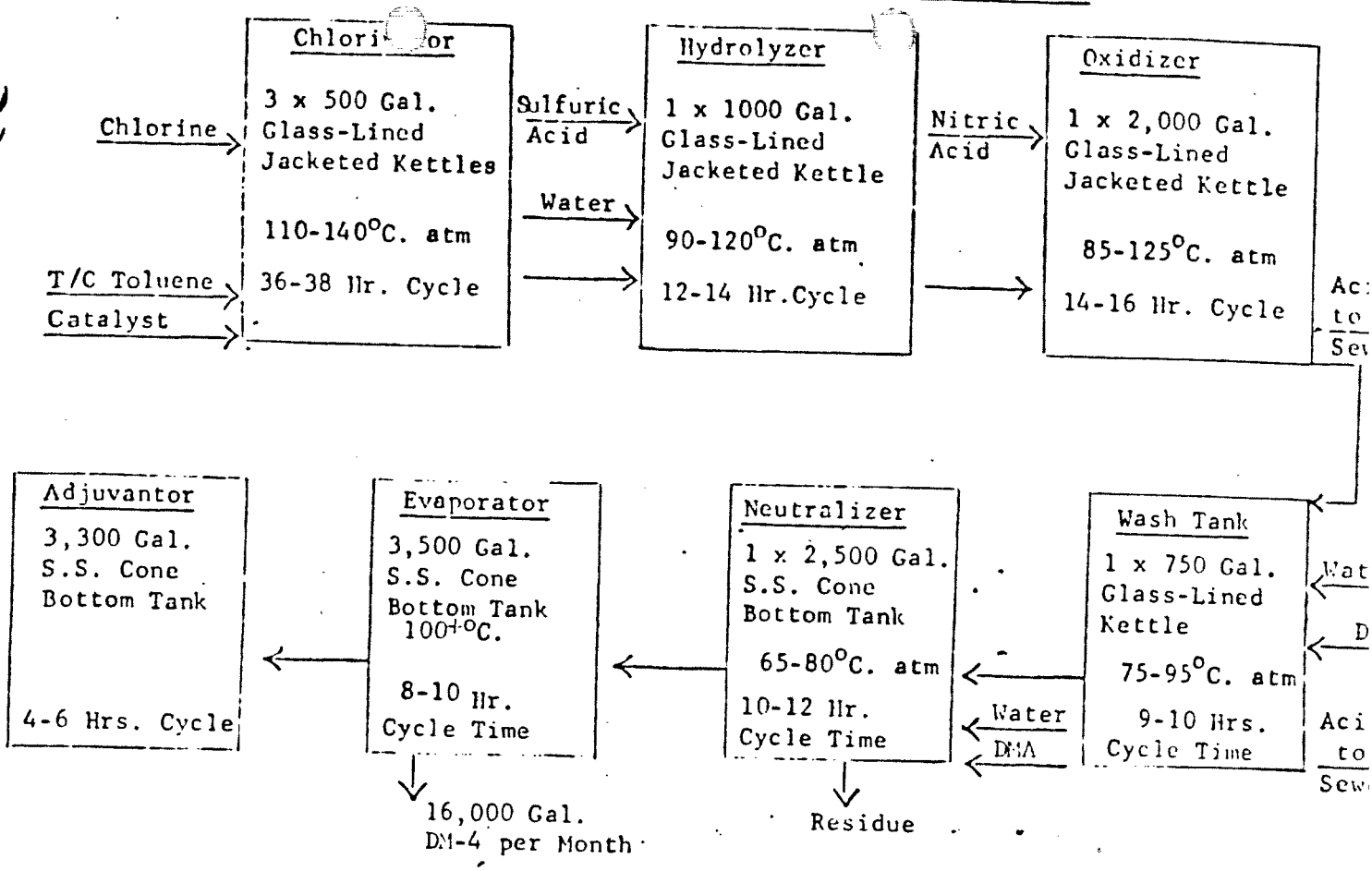
PROCESS DESCRIPTION:

Toluene is chlorinated at refluxing temperature to 50% benzyl chloride. The chlorinated oil is processed in the stripper where toluene stripped from the oil is sent back to the chlorinators. The mixture of benzyl chloride and other chlorinated toluenes from the bottom of the stripper is fed to the pure still where benzyl chloride is fractionated off and sent to storage. The bottoms from the pure still are fractionated in the batch still. The recovered chlorinated toluenes from the batch still are fed back to the pure stills. Residue from the batch still is sold or sewered.

CAPACITY - 500,000 Lbs./Month

PERSONNEL - 1 Chief Operator
1 Operator/Shift
4 Day Operators

JW/pav
11/13/72



PROCESS DESCRIPTION:

Trichlorotoluene is chlorinated to trichlorobenzal and benzotrichloride in the chlorinators These side-chain chlorides are then hydrolyzed with water and sulfuric acid to trichlorobenzaldehyde and trichlorobenzoic acid. The trichlorobenzaldehyde is then oxidized with nitric acid in the oxidizer. The crude benzoic acid is then washed and partly neutralized in the wash tank. After washing, the crude benzoic acid is further neutralized and the tars removed in the neutralizer.

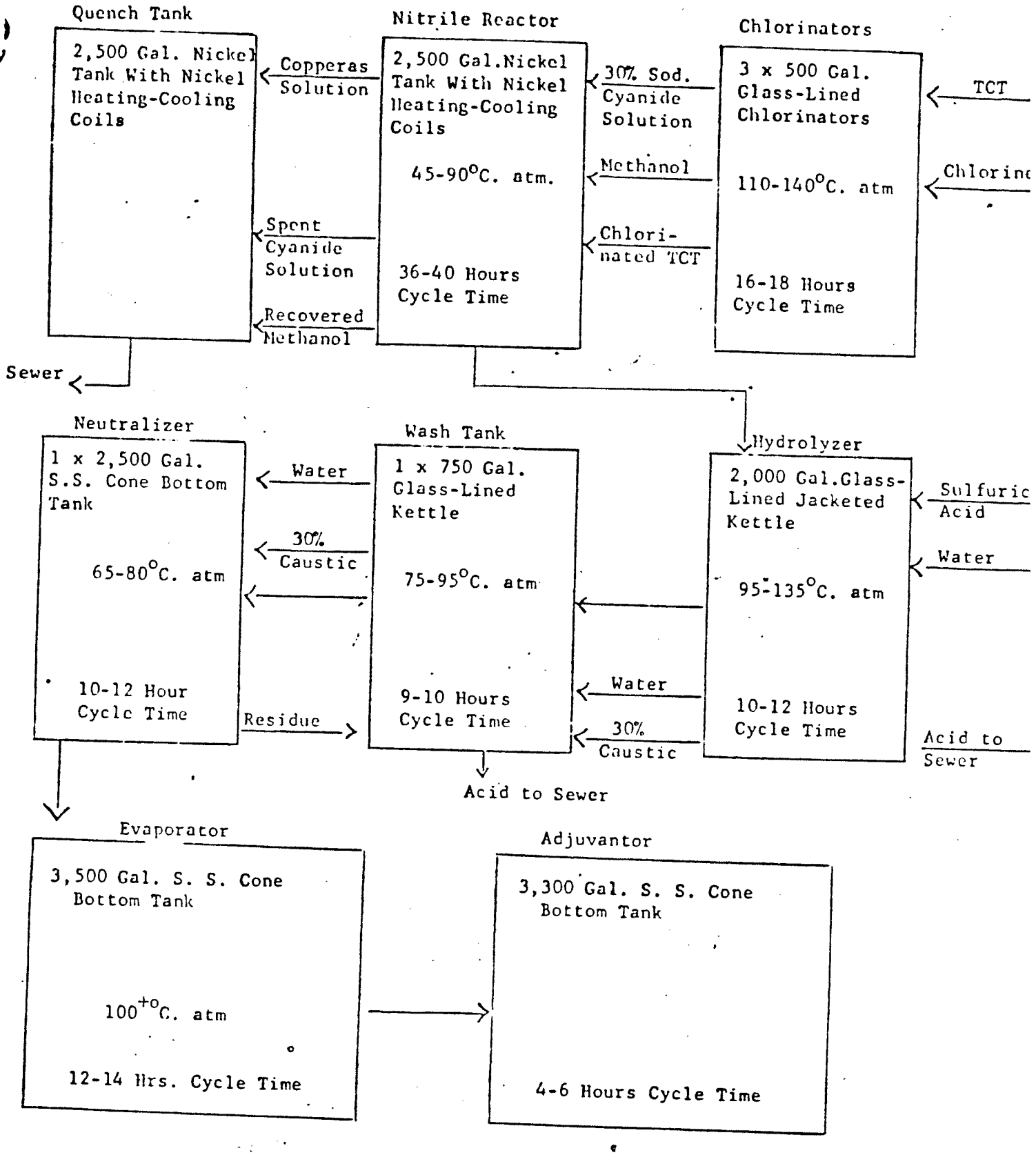
The dilute solution of trichlorobenzoic acid is filtered through to the evaporator where enough water is removed so that the solution contains 4.0 lbs./gal. organic salts with an assay of 60.0% 2,3,6 trichlorobenzoic acid.

The adjuvantors are used for intermediate storage of DM-4 and to dilute DM-4 (4 lbs./gal. of organic salts) to DM-2 (2 lbs./gal. organic salts) and to blend in additives in DM-2 solution.

MANPOWER: 1 "A" Operator/Shift

JW/pav
11/10/72

TRI-FE[illegible] SODIUM SALT) - DEPT. K-3-D



JW/pav
11/17/72

(See Next Page)

TRI-FEN (SODIUM SALT) - DEPT. K-3-D

PROCESS DESCRIPTION:

Trichlorotoluene is chlorinated to trichlorobenzyl chloride (70-78% assay) and trichlorobenzyl chloride in the chlorinators. The trichlorobenzyl chloride is cyanated in the nitrile reactor to add a carbon in the side chain. The benzal chloride is not reacted and is a yield loss. The trichlorobenzonitrile is then hydrolyzed with sulfuric acid and water to trichlorophenylacetic acid in the hydrolyzer. Water washing and partial neutralization is then done in the wash tank. Final neutralization and tar removal is done on the acid in the neutralizer.

The dilute solution of trichlorophenylacetic acid is filtered through to the evaporator where enough water is removed so that the solution contains approximately 2.7 lbs. of 2,3,6 trichlorophenylacetic acid per gallon of solution.

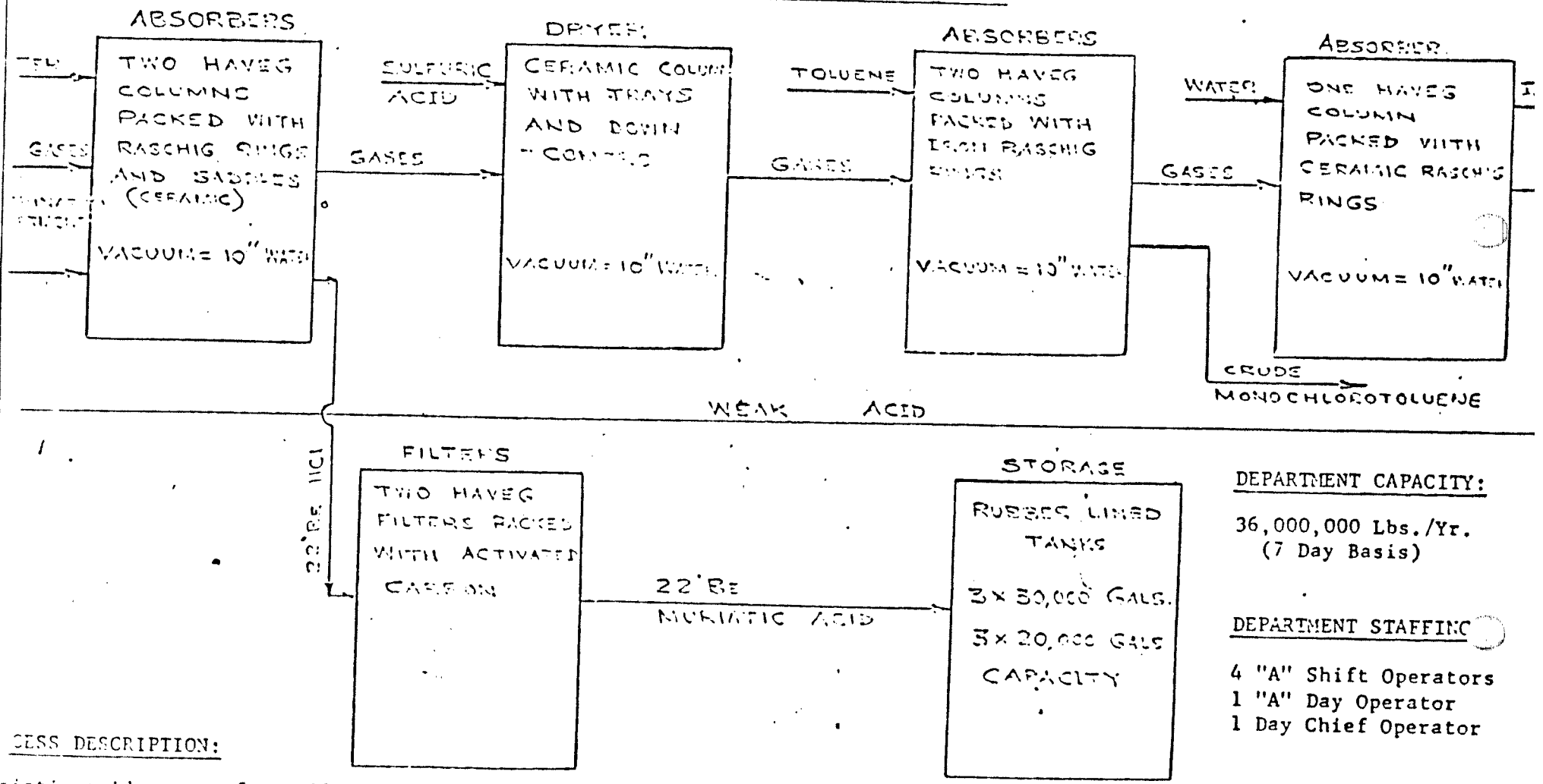
The adjuvantors are used for intermediate storage of the Tri-Fen solution and to dilute the solution to 2.5 lbs./gallon of 2,3,6 trichlorophenylacetic acid. Additives may also be added to the solution.

DEPARTMENT CAPACITY: 10,000 Gallons/Month

DEPARTMENT PERSONNEL: 1 "A" Operator/Shift

JW/pav
11/17/72

MURIATIC ACID - DEPARTMENT K-6 & K-6-A



DEPARTMENT CAPACITY:

36,000,000 Lbs./Yr.
(7 Day Basis)

DEPARTMENT STAFFING

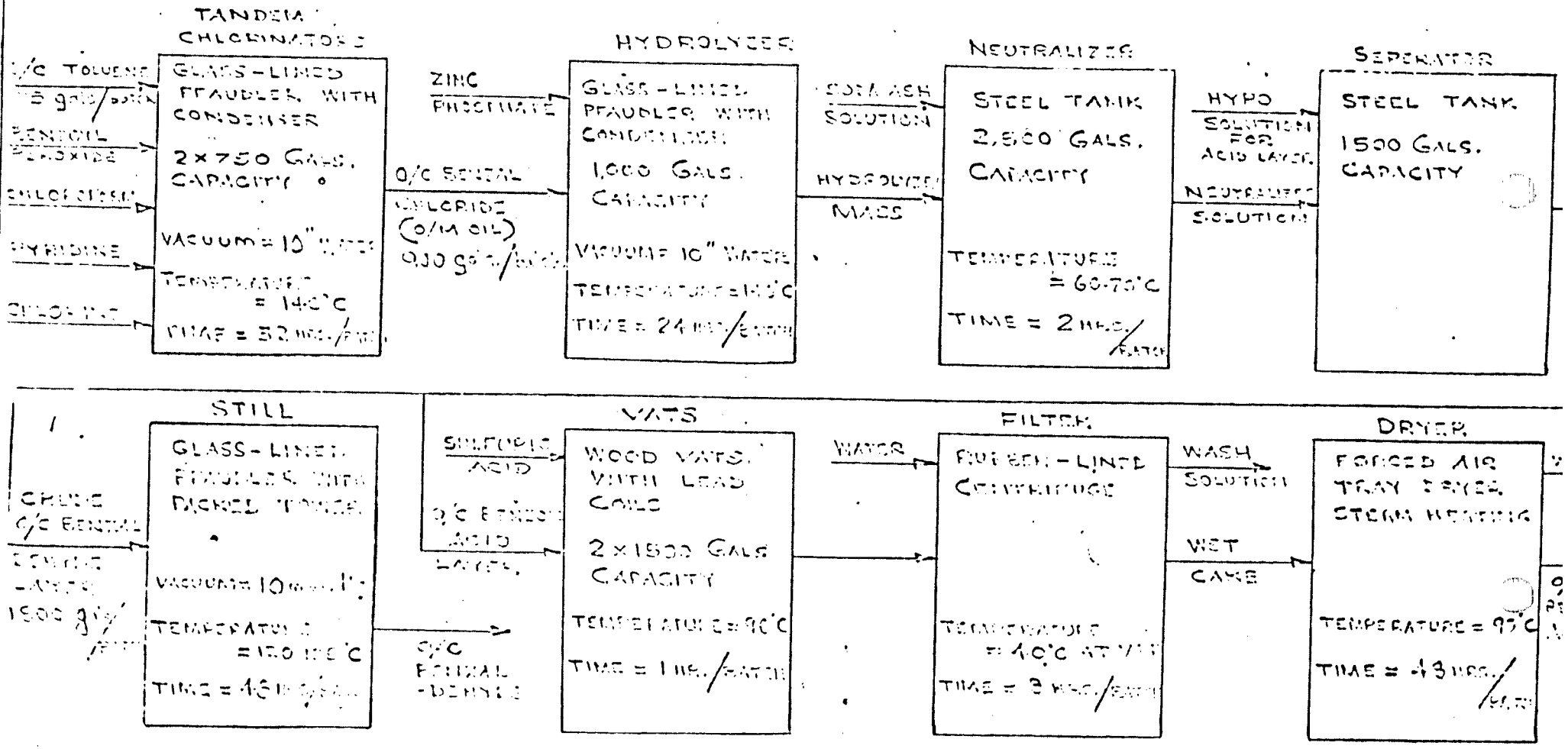
4 "A" Shift Operators
1 "A" Day Operator
1 Day Chief Operator

CESS DESCRIPTION:

iatic acid vapors from all chlorination department off-gas streams are scrubbed with water in two absorbers to make crude Be muriatic acid. Residual gas (containing mostly unreacted chlorine) from the absorbers is dried in a sulfuric dryer then scrubbed with toluene to make crude monochlorotoluene. The muriatic acid vapor produced from this reaction is then ubbed with water in the weak acid absorber to make weak acid which is recycled back to the main absorbers. The crude Be HCl from main absorbers is filtered through two activated carbon beds to produce clear salable 22°Be muriatic acid.

pav
10/72

o- CHLOROBENZALDEHYDE/o-CHLOROBENZOIC ACID - DEPT. K-9-A



pav
'16/72

(See next page)

o-CHLOROBENZALDEHYDE/o-CHLOROBENZOIC ACID - DEPT. K-9-A

PROCESS DESCRIPTION:

Orthochlorotoluene is chlorinated to a mixture of orthochlorobenzal chloride and orthochlorobenzotrichloride in the presence of benzoyl peroxide catalyst. The resultant chlorination mass is hydrolyzed with steam. The hydrolyzed mass is neutralized with an aqueous soda ash solution. The organic oil phase is distilled under vacuum and the pure cut is sold as orthochlorobenzaldehyde. The sodium salt aqueous phase is acidified, filtered, and the wet wringer cake dried and packaged for sale as orthochlorobenzoic acid.

The production ratios of the aldehyde to the acid can be varied within limits by altering the degree of chlorination.

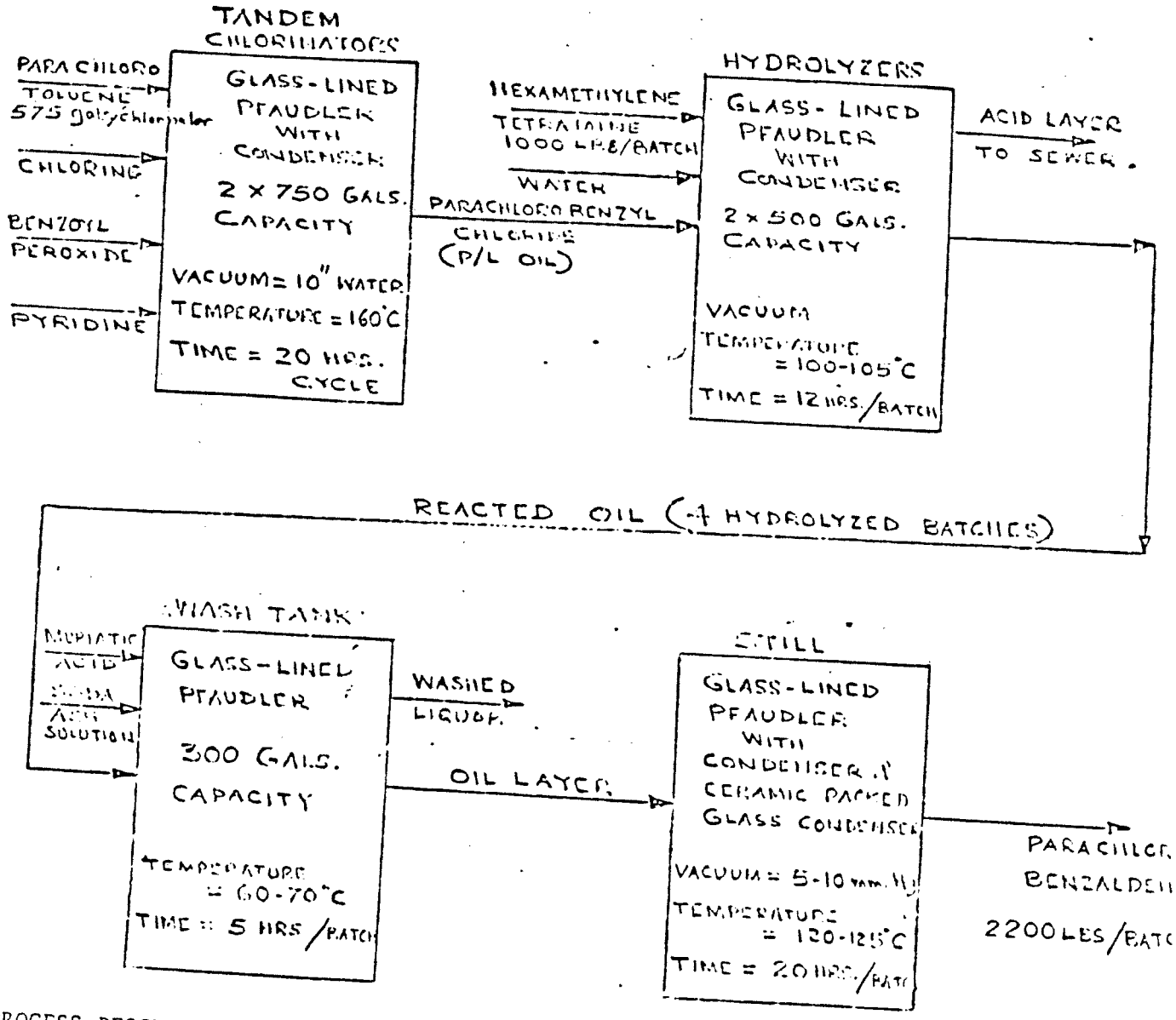
DEPARTMENT CAPACITY:

o-Chlorobenzaldehyde		o-Chlorobenzoic Acid
50,000 Lbs./Month ——>	HI GRAVITY	<—— 100,000 Lbs./Month
40,000 Lbs./Month ——>	LO GRAVITY	<—— 140,000 Lbs./Month

DEPARTMENT STAFFING:

4 Chief Chemical Operators
2 "A" Chemical Operators (Wringer)
1 "A" Chemical Operator (Dryer)
1 Maintenance Operator

NM/pav
11/16/72



PROCESS DESCRIPTION:

The p-Chlorotoluene is chlorinated in the presence of benzoyl peroxide catalyst to the maximum benzyl content. The chlorinated mass is reacted with hexamethylenetetramine via the Sommelet reaction. After acidification, the crude p-Chlorobenzaldehyde is washed and purified by vacuum distillation.

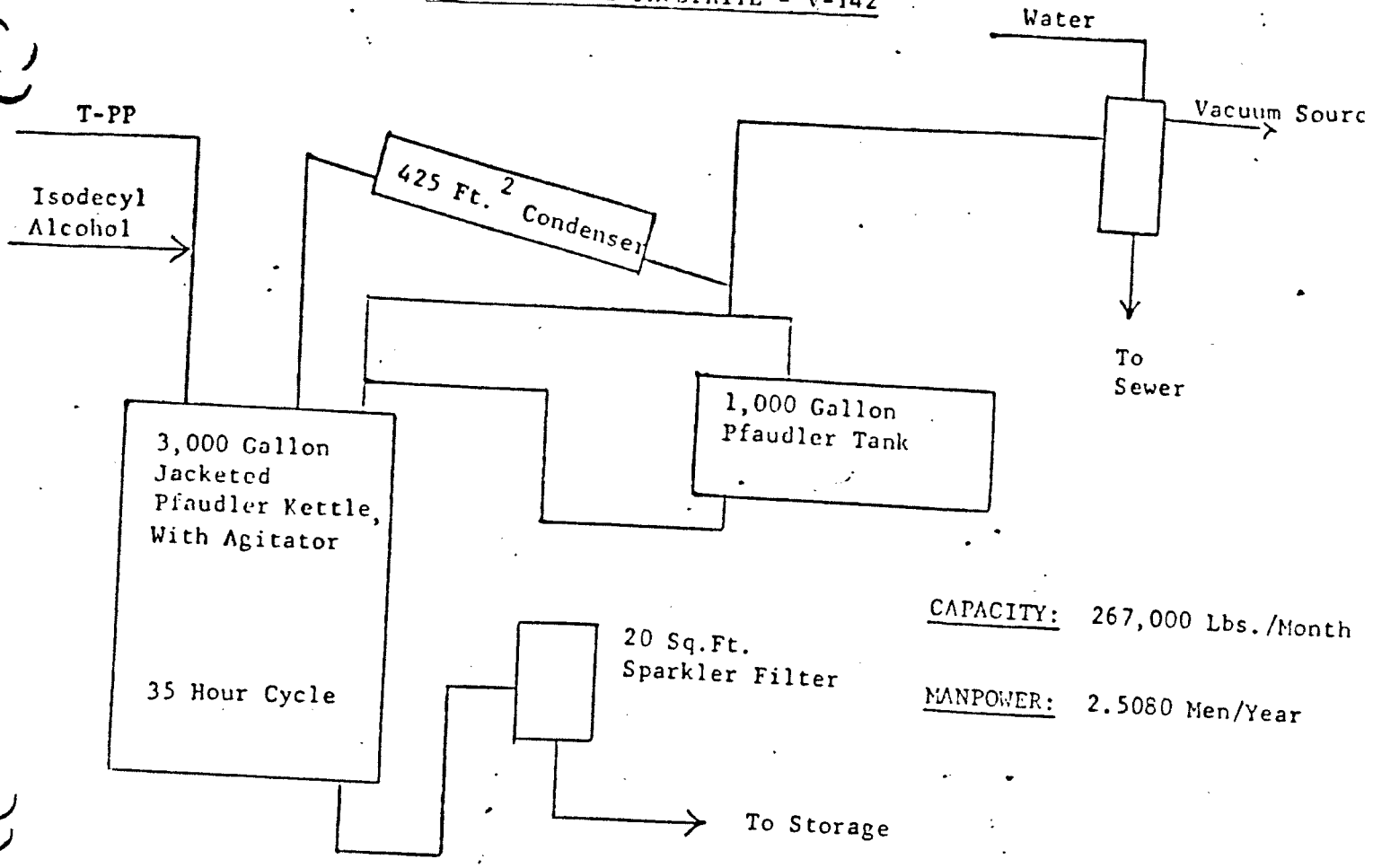
DEPARTMENT CAPACITY - 70,000 Lbs./Month (7 Day Operation)

DEPARTMENT STAFFING - 4 "A" Operators
1 Day Maintenance Operator

NM/pav
11/15/72

DEPT. K-18-A

ISODECYLDECYL PHOSPHITE - V-142



CAPACITY: 267,000 Lbs./Month

MANPOWER: 2.5080 Men/Year

PROCESS DESCRIPTION:

This process utilizes the untreated and unfiltered T-PP described on the previous page.

Into this T-PP, isodecyl alcohol (IDA) is metered in all at one time, and the reaction is catalyzed using sodium methylate.

The mixture is heated to 85°C. and held at this temperature for three hours. During this time, vacuum is applied slowly to 75 mm Hg ABS.

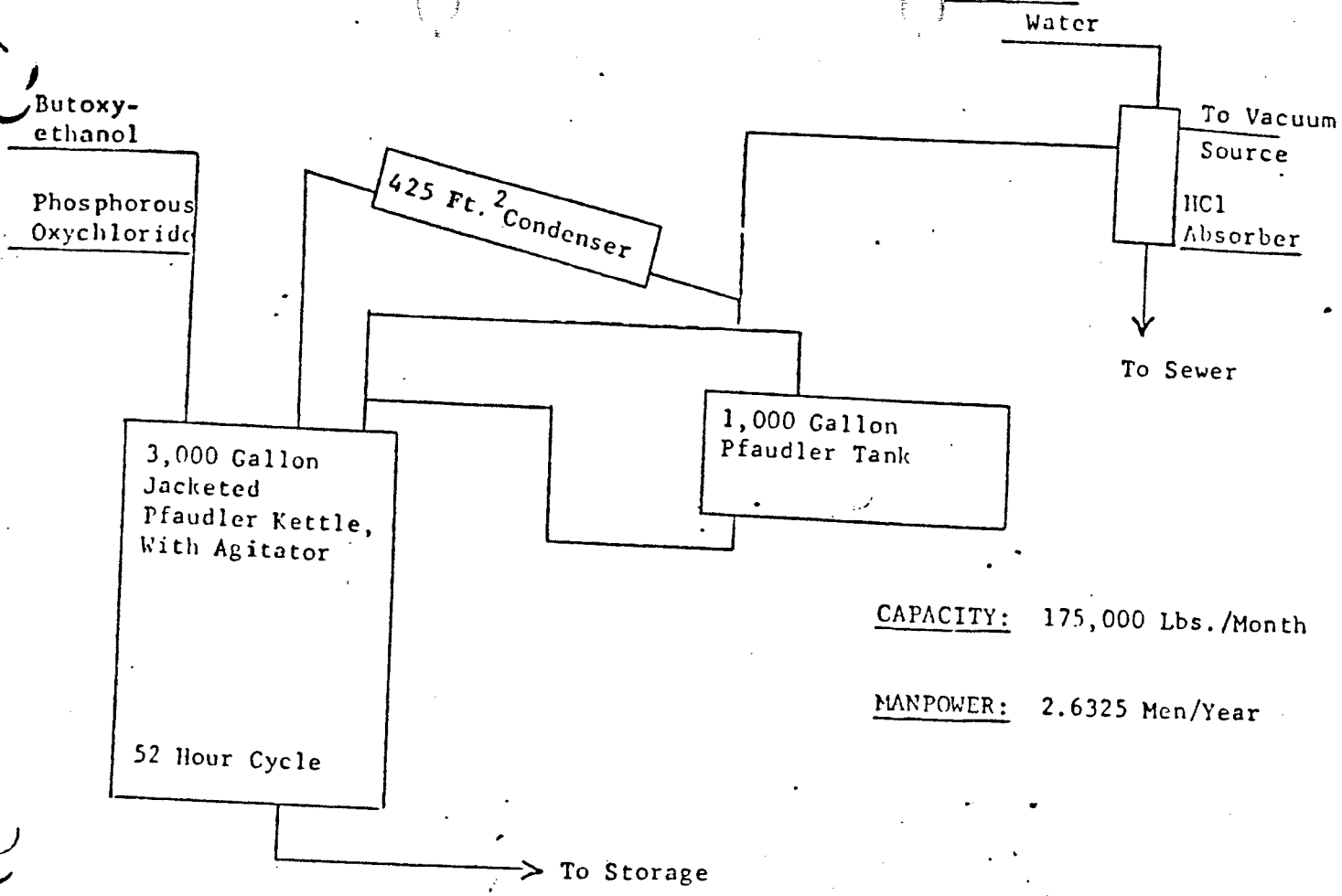
The temperature is then raised to 135°C., and the vacuum increased to 10 mm Hg ABS to recover the phenol liberated by the trans-esterification. The V-142 remains in the reactor.

The V-142 is filtered to storage using a filter media.

The recovered phenol is analyzed and used in the subsequent batch.

EL/pav
10/30/72

TRIBUTOXYETHYL PHOSPHATE - T-BEP - DEPT. K-18-D



CAPACITY: 175,000 Lbs./Month

MANPOWER: 2.6325 Men/Year

PROCESS DESCRIPTION:

Phosphorous oxychloride ($POCl_3$) is reacted in the presence of 33% excess butoxyethanol (BOE) using tetrabutyl titanate as a catalyst. $POCl_3$ is metered into the BOE and catalyst at 0.5 GPM over a period of approximately 13 hours at 40°C. and 25 mm Hg Abs.

The resulting mixture is slowly heated to drive out the HCl by-product, which is absorbed in water at 25 mm Hg Abs.

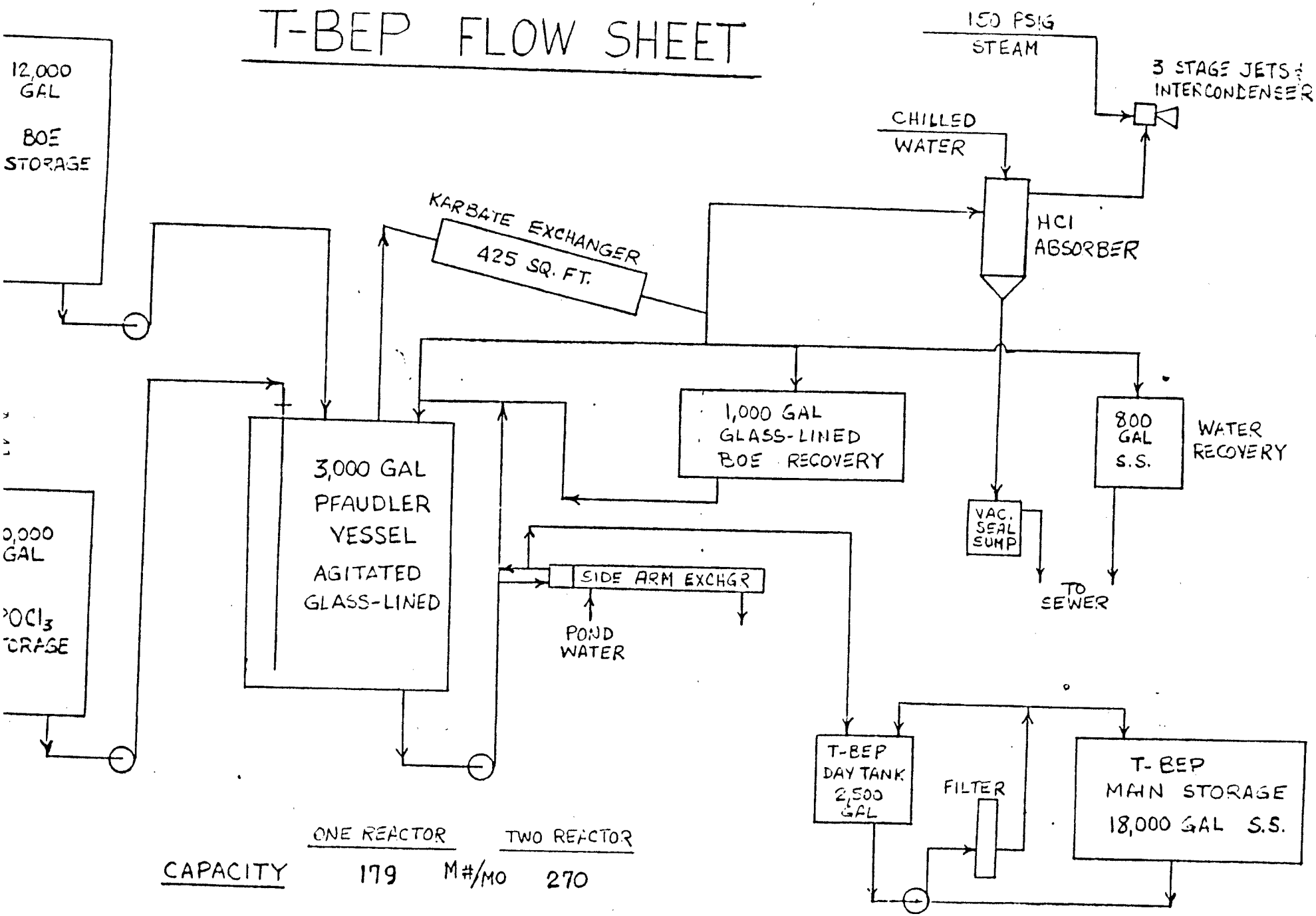
After the HCl is removed, the excess BOE is boiled out at 150°C. and 10 mm Hg Abs., leaving the crude T-BEP in the reactor.

The crude material is then washed with 8% and 4% Soda Ash solutions, which are separated to the sewer. The batch is then dried and pumped to a holding tank for final analysis before it is placed in storage.

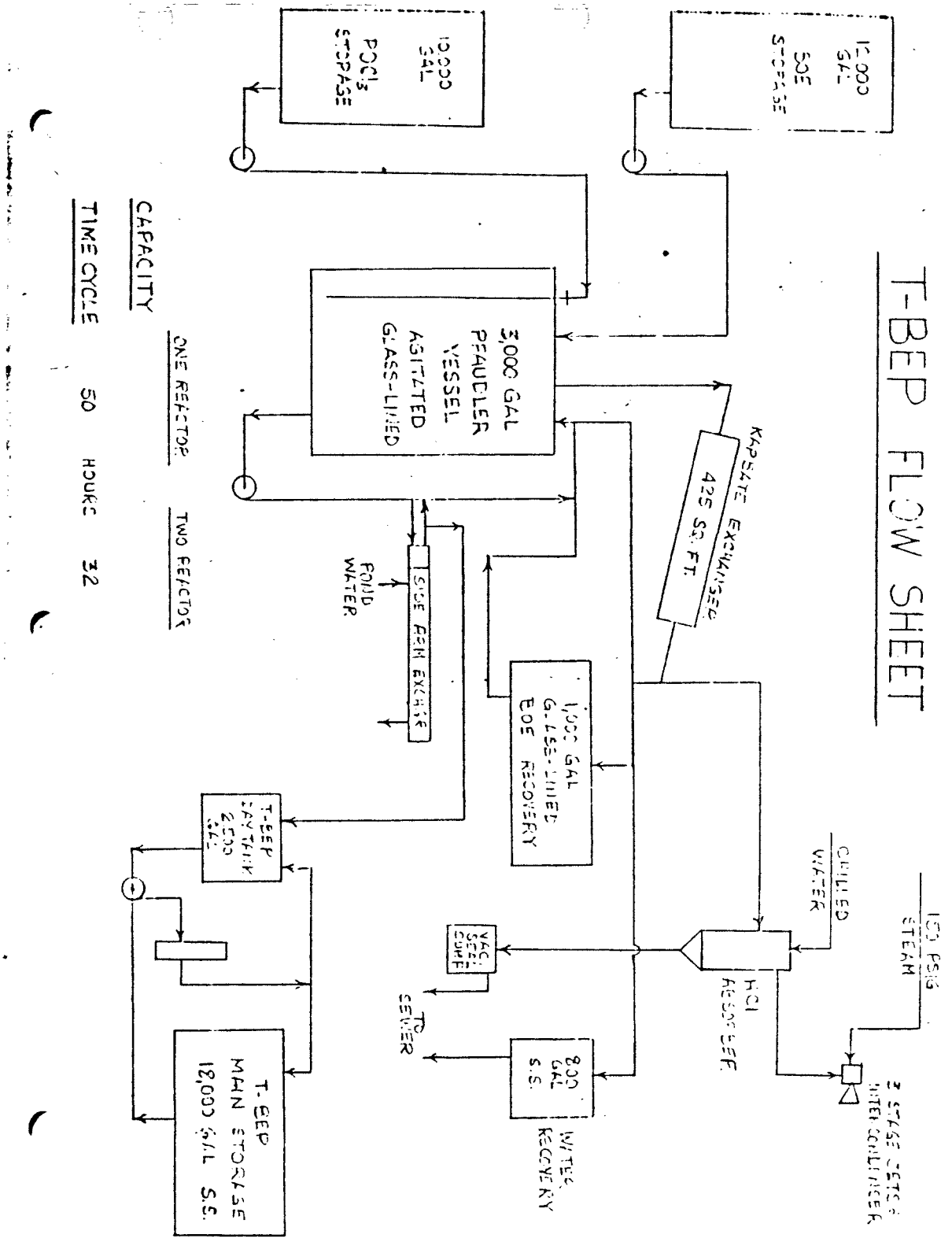
The recovered BOE is checked for moisture content, then used in the subsequent batch of T-BEP.

EL/pav
11/6/72

T-BEP FLOW SHEET



	ONE REACTOR		TWO REACTOR
CAPACITY	179	M#/MO	270
TIME CYCLE	50	HOURS	32



Phosphorous oxychloride ($POCl_3$) is reacted in the presence of 33% excess butoxyethanol (BOE) using tetrabutyl titanate as a catalyst. $POCl_3$ is metered into the BOE and catalyst at 0.5 GPM over a period of approximately 13 hours at 40°C. and 25 mm Hg Abs.

The resulting mixture is slowly heated to drive out the HCl by-product, which is absorbed in water at 25 mm Hg Abs.

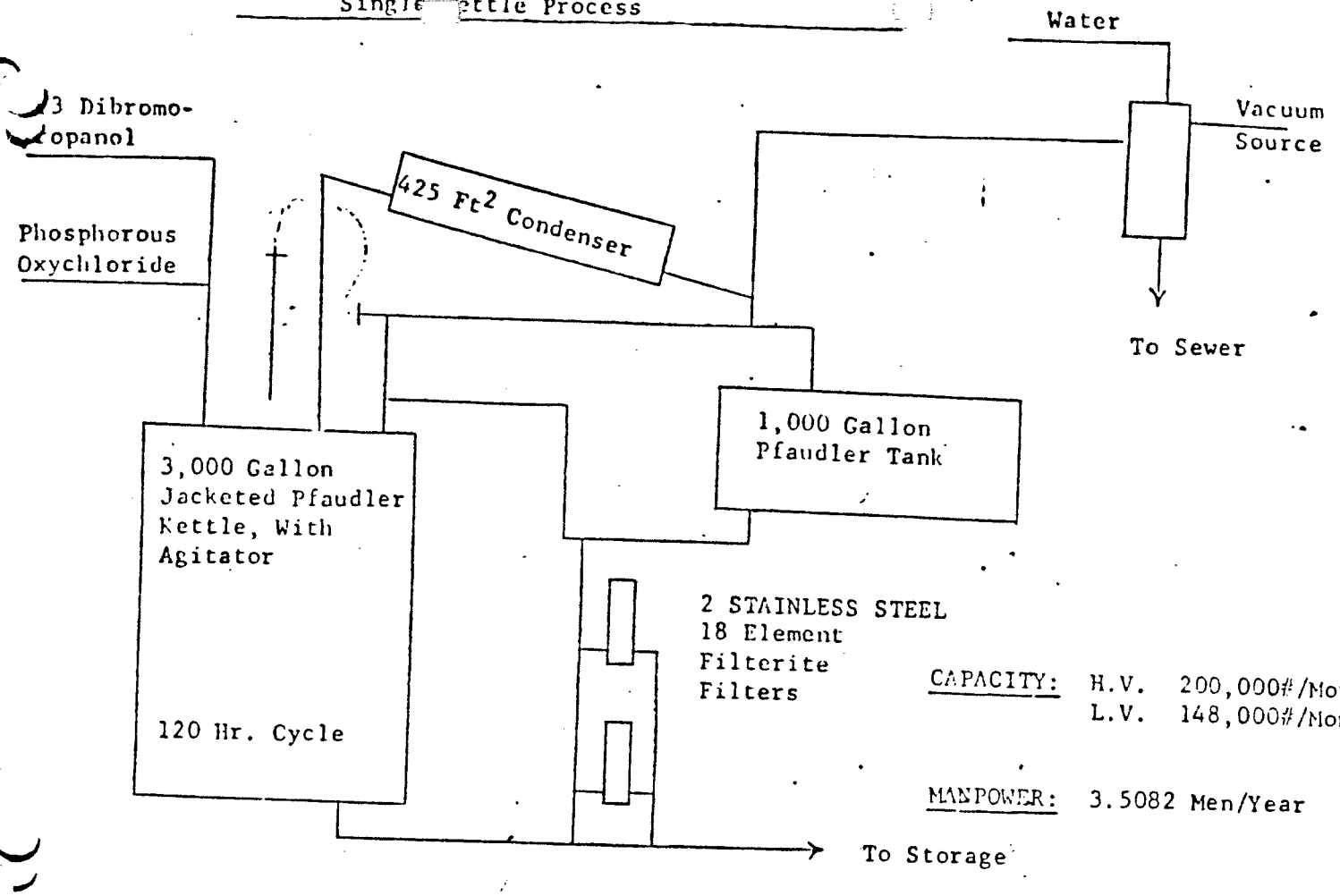
After the HCl is removed, the excess BOE is boiled out at 150°C. and 10 mm Hg Abs., leaving the crude T-BEP in the reactor.

The crude material is then washed with 8% and 4% Soda Ash solutions, which are separated to the sewer. The batch is then dried and pumped to a holding tank for final analysis before it is placed in storage.

The recovered BOE is checked for moisture content, then used in the subsequent batch of T-BEP.

TRIS 2,3 DIBROMOPROPYL PHOSPHATE - T-2,3-P K-18-G - H.V.

Single Kettle Process



CAPACITY: H.V. 200,000#/Month
L.V. 148,000#/Month

MANPOWER: 3.5082 Men/Year

PROCESS DESCRIPTION:

Phosphorous oxychloride ($POCl_3$) is reacted with a slight excess of dibromopropanol (DBP) using magnesium oxide as a catalyst. The $POCl_3$ is metered into the DBP at 0.8 GPM for approximately 11 hours at 50°C. atmosheric pressure.

The resulting mixture is heated atmospherically to 70°C. Vacuum is then applied to 25 mm Hg Abs. over the next five hours to remove the by-product HCl, which is absorbed in water.

At 25 mm. Hg Abs., the batch is then heated to 90-95°C. to complete the reaction.

Two grades of T-2,3-P are processed, high and low volatile materials, the difference being the weight % of DBP left in the final product. High volatiles generally require no DBP steam stripping. Low volatile material requires steam stripping.

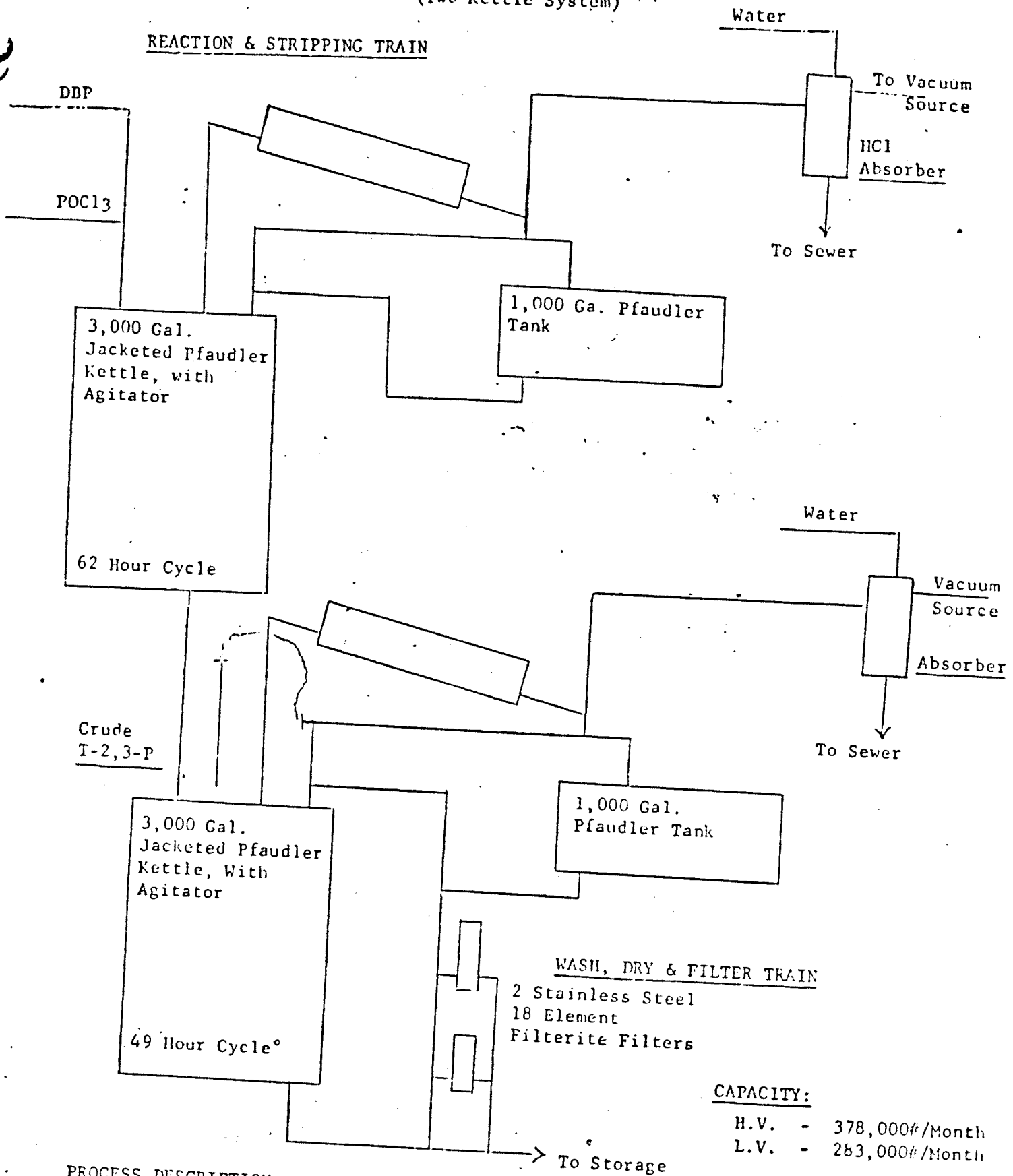
Steam stripping is done at 125°C. and maximum attainable vacuum for low volatile material. Stripping is continued until the weight % of volatiles is 1.25% or less.

Then the T-2,3-P is washed with 8% Soda Ash solution and two water washes. The material is then dried and filtered to storage.

EL/pav
/6/77

TRIS 2,3-DIBROMOPROPAL PHOSPHATE - T-2,3-P -

(Two Kettle System)



CAPACITY:

H.V. - 378,000#/Month
L.V. - 283,000#/Month

MANPOWER:

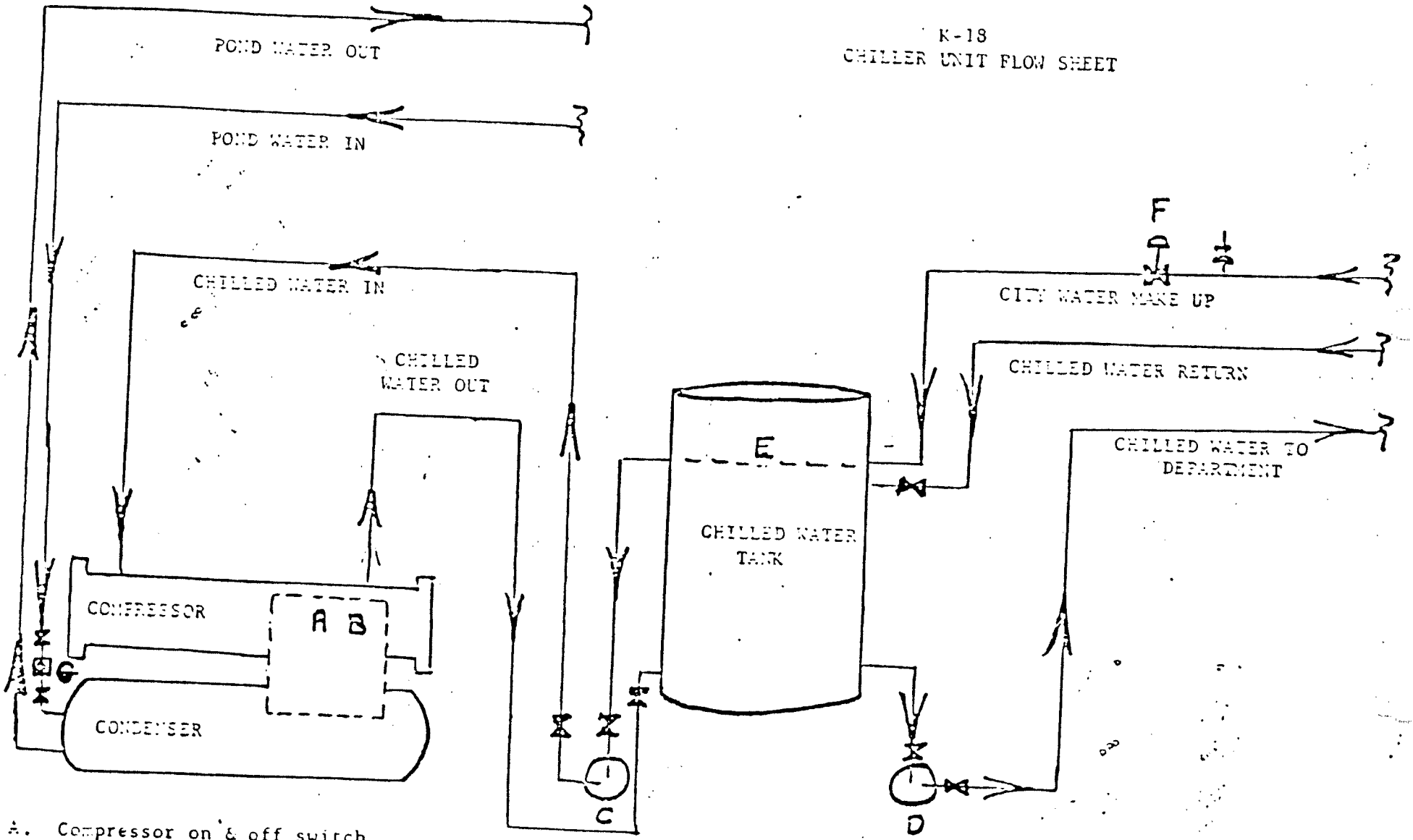
Undetermined, as yet.

PROCESS DESCRIPTION:

Same as one kettle system, but all washing and drying is done in a separate equipment train.

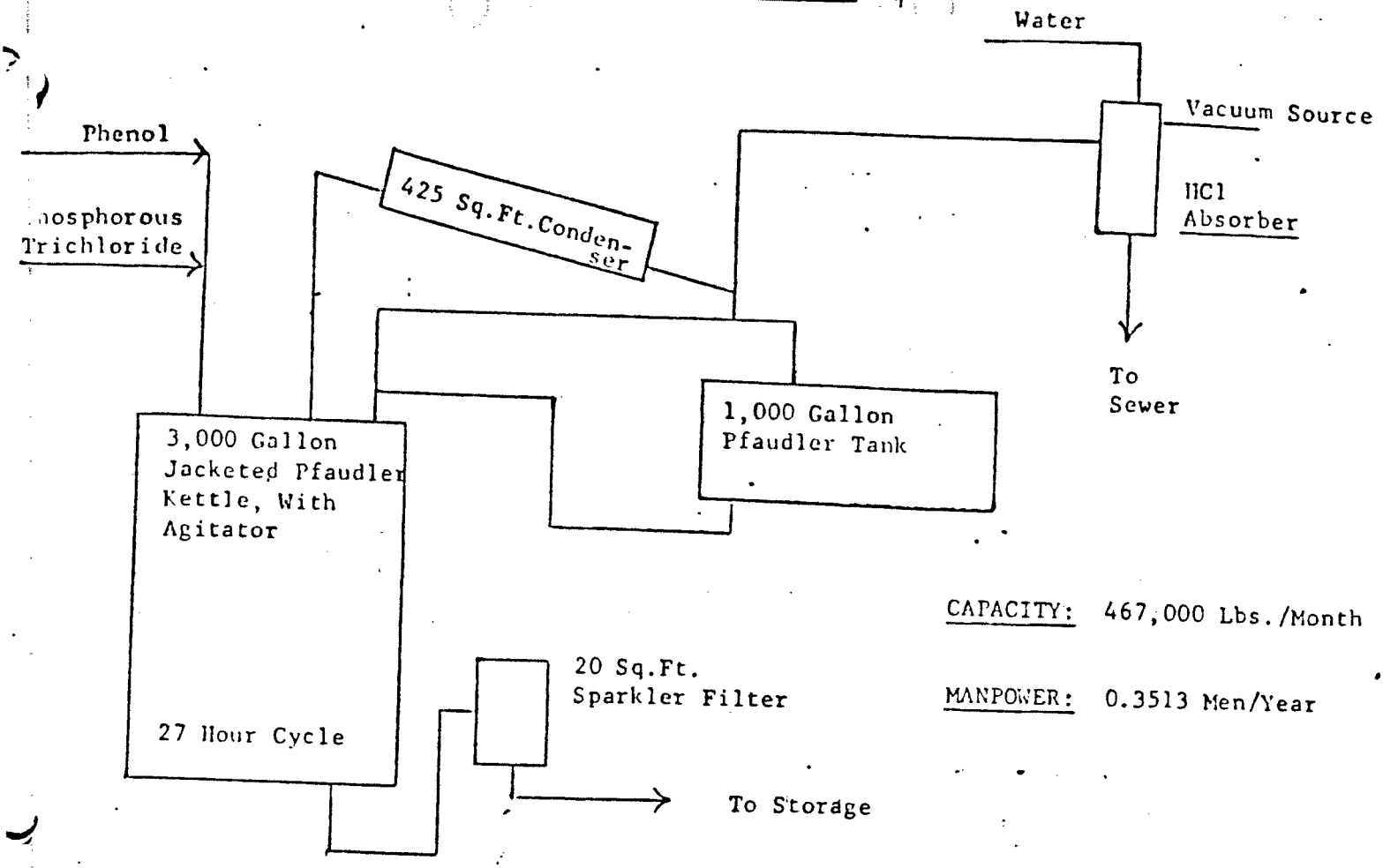
EL/pav

K-18
CHILLER UNIT FLOW SHEET



A. Compressor on & off switch
B. Chiller unit heater on & off indicator light
C. Chiller unit chilled water supply circulating pump
D. Chilled water circulating pump to department
E. Proper level for chilled water tank
F. Automatic valve for city water make up supply
G. Pond water strainer

TRIPHENYL PHOSPHITE - T-PP



CAPACITY: 467,000 Lbs./Month

MANPOWER: 0.3513 Men/Year

PROCESS DESCRIPTION:

Phosphorous Trichloride (PCl_3) is reacted in the presence of 20% excess phenol. This is an uncatalyzed reaction. The PCl_3 is metered into the phenol at 1.3 GPM over a period of approximately 5 hours at 78°C. and 20 in. Hg ABS.

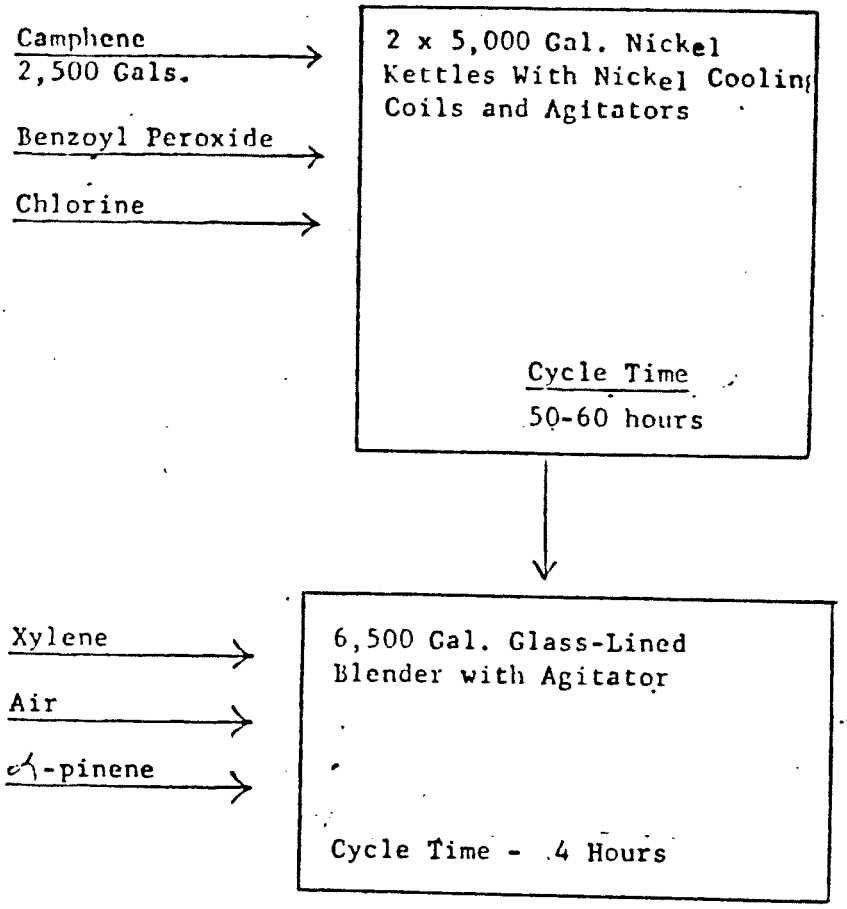
The resulting mixture is heated to 155°C. to drive off the by-product HCl, which is absorbed in water.

At 155°C., the vacuum is slowly reduced to 10 mm Hg ABS to recover the excess phenol, and leaving the finished T-PP in the reactor.

T-PP is then treated with a filtering aid and filtered to storage.

The recovered phenol is analyzed and used in the subsequent batch.

EL/pav
10/30/72



PROCESS DESCRIPTION:

The camphene is chlorinated to 66% chlorine in the presence of benzoyl peroxide as catalyst. The reaction is exothermic requiring cooling which is accomplished by circulation water cooled mobiltherm through the coils.

The chlorinated camphene which is now 100% Strobane is air blown to remove HCl and unreacted chlorine from the batch. After the batch is air blown, α-pinene is added to scavenge, by chemical reaction, free chlorine and HCl not removed by the air blow. Xylene is then added to the Strobane so that there is 10% volatiles (α-pinene + xylene) and 90% Strobane.

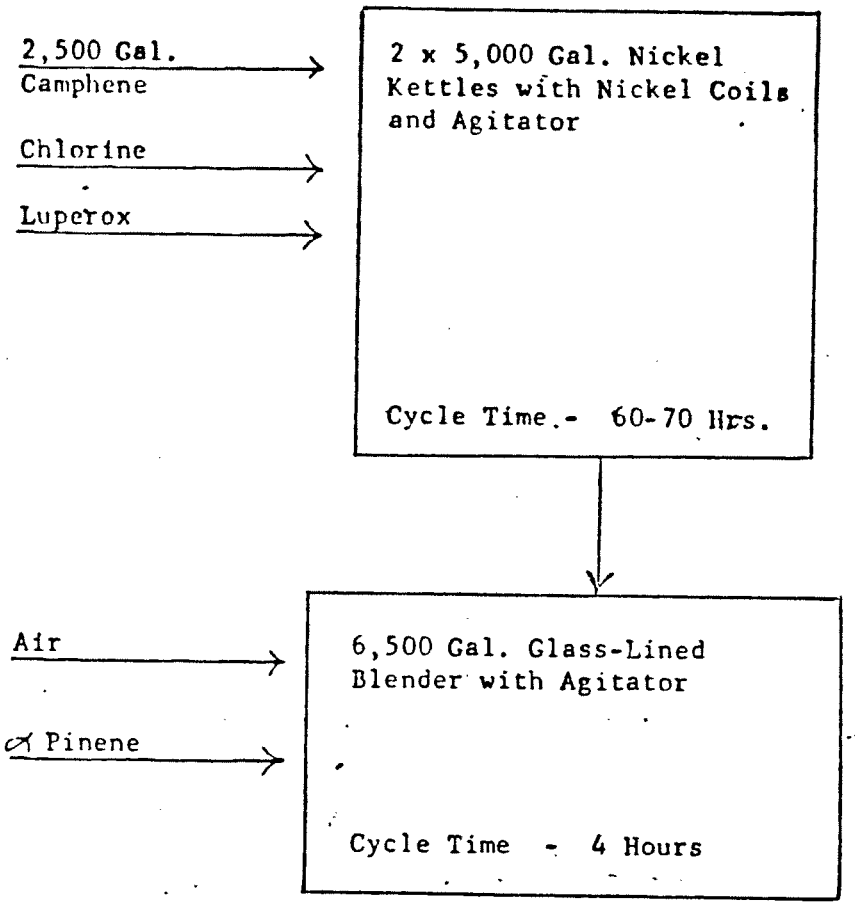
Strobane is shipped in railroad cars, tank trucks and drums.

DEPARTMENT CAPACITY: 1,200,000 Lbs./Month

DEPARTMENT PERSONNEL: 4 "A" Shift Operators

JW/pav
3/7/73

STROBANE-T 100% - Dept. K-19-D



PROCESS DESCRIPTION:

The camphene is chlorinated to 67-69% chlorine in the presence of Luperox 118 (an organic peroxide) as catalyst. The reaction is exothermic requiring cooling which is accomplished by circulating water-cooled mobiltherm through the coils. Cooling is more critical in making Strobane 100% than in making Strobane 90%.

The chlorinated camphene which is now 100% Strobane is air blown to remove HCl and unreacted chlorine from the batch. After the batch is air blown, αpinene is added to scavenge, by chemical reaction, free chlorine and HCl not removed by the air blow. The 100% Strobane is shipped in drums only.

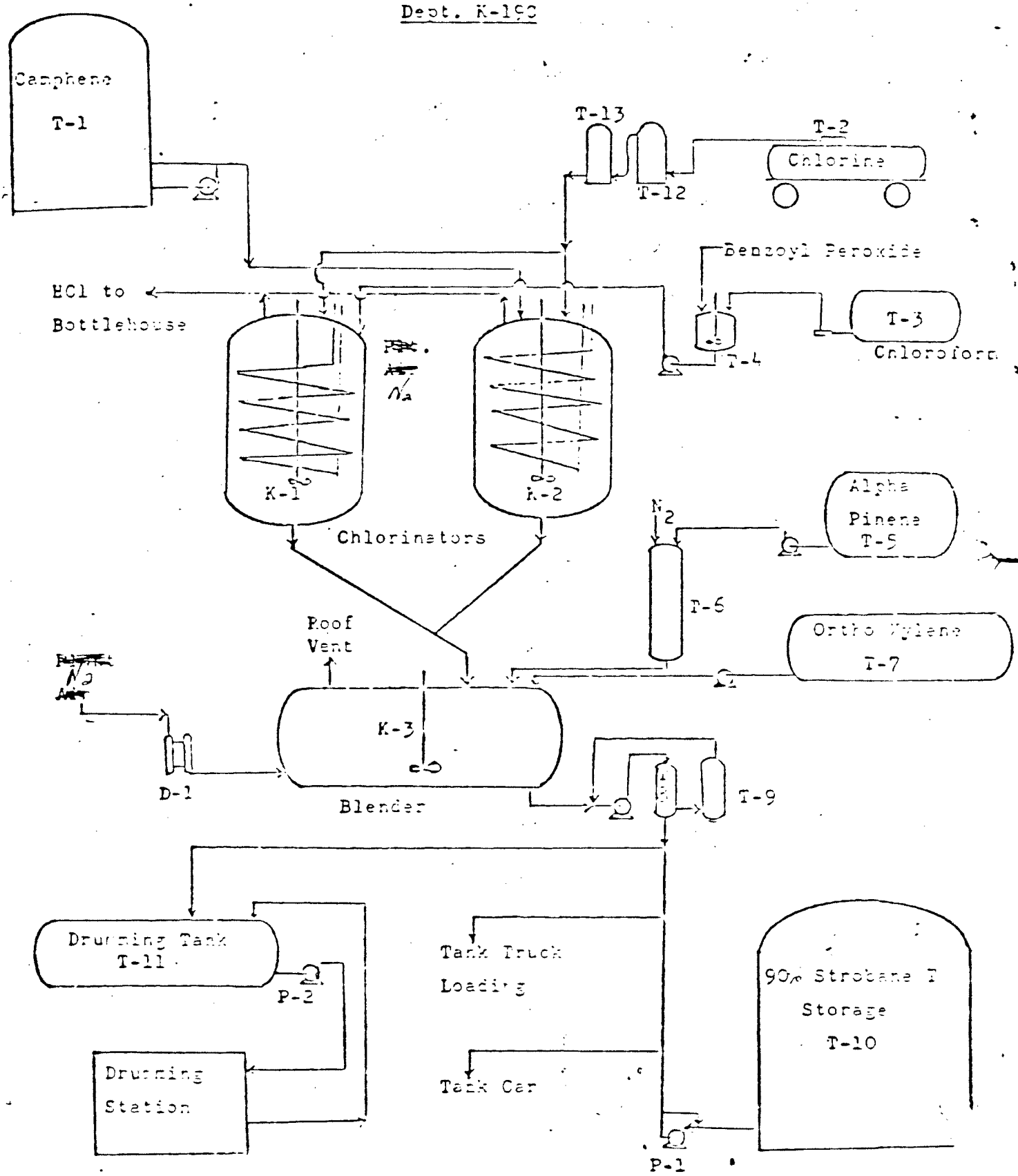
DEPARTMENT CAPACITY: 1,000,000 Lbs./Month

DEPARTMENT STAFFING: 4 "A" Shift Operators

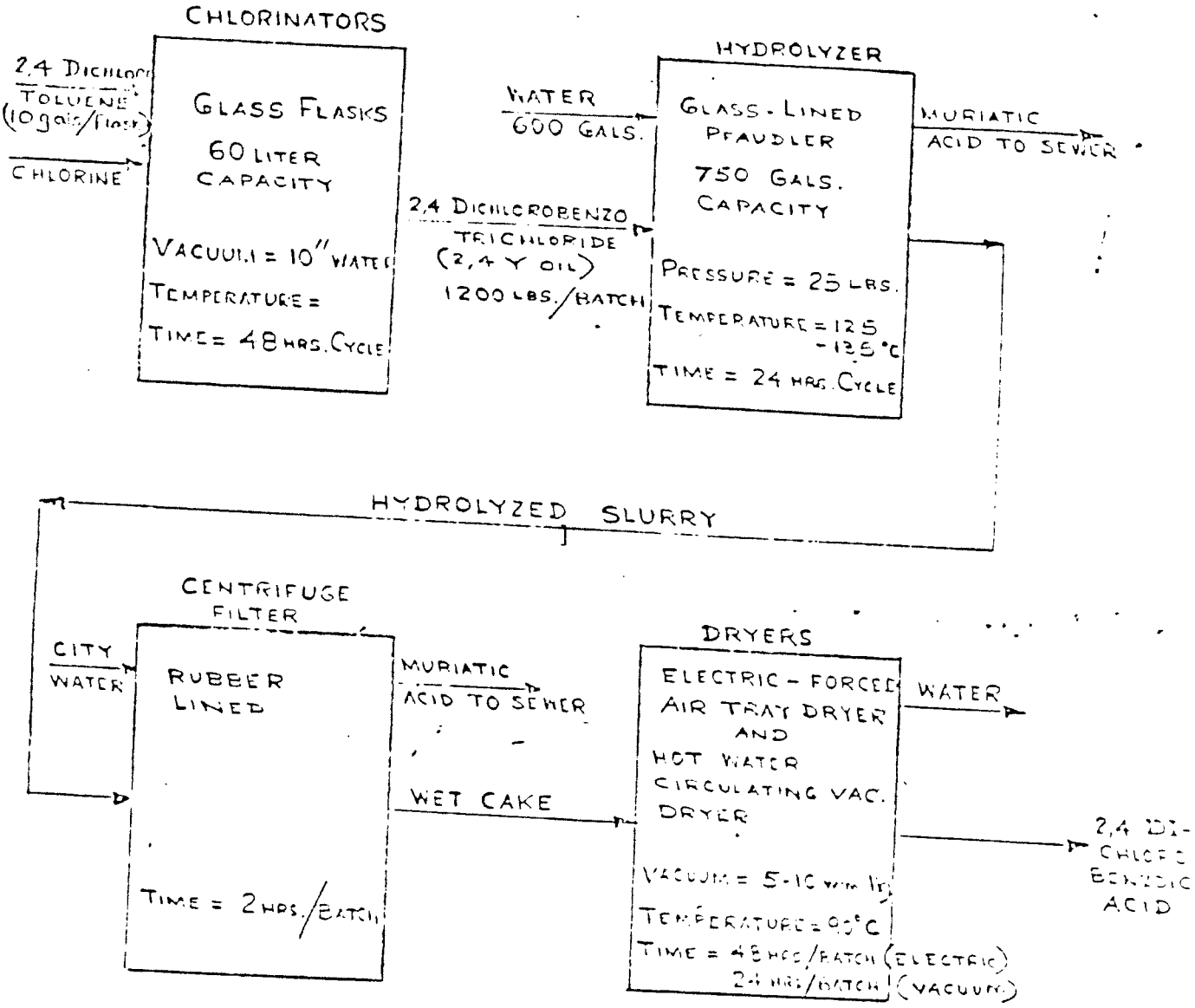
JW/pav
3/12/73

STROBANE T FLOWSHEET

Dept. K-19C



2,4 DICHLOROBENZOIC ACID - DEPARTMENT P.P.



PROCESS DESCRIPTION:

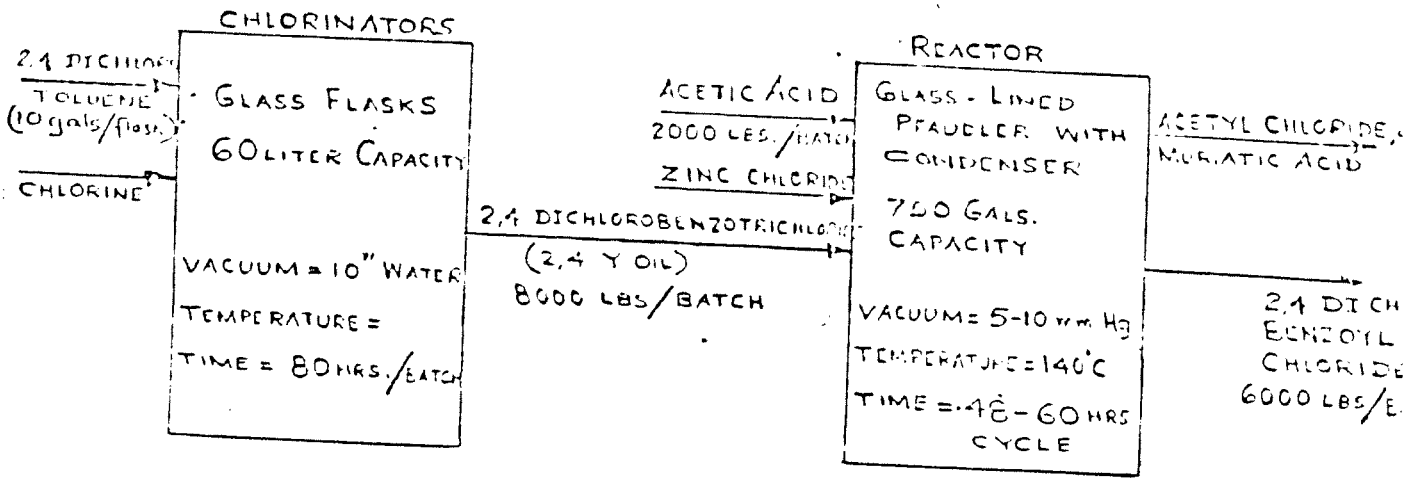
The 2,4 dichlorotoluene is chlorinated on the side chain at high temperature to 2.4 dichlorobenzotrichloride in the presence of light. The chlorinated mass is hydrolyzed with water under pressure. The resultant slurry is filtered and the wet cake dried and packaged for sale as 2.4 dichlorobenzoic acid.

DEPARTMENT CAPACITY - 25,000 Lbs./Month (7 Day Basis)

DEPARTMENT STAFFING - 4 Chief Operators
1 "A" Day Maintenance Operator

RM/pav

2,4 DICHLOROBENZOYL CHLORIDE - DEPARTMENT P.P.



PROCESS DESCRIPTION:

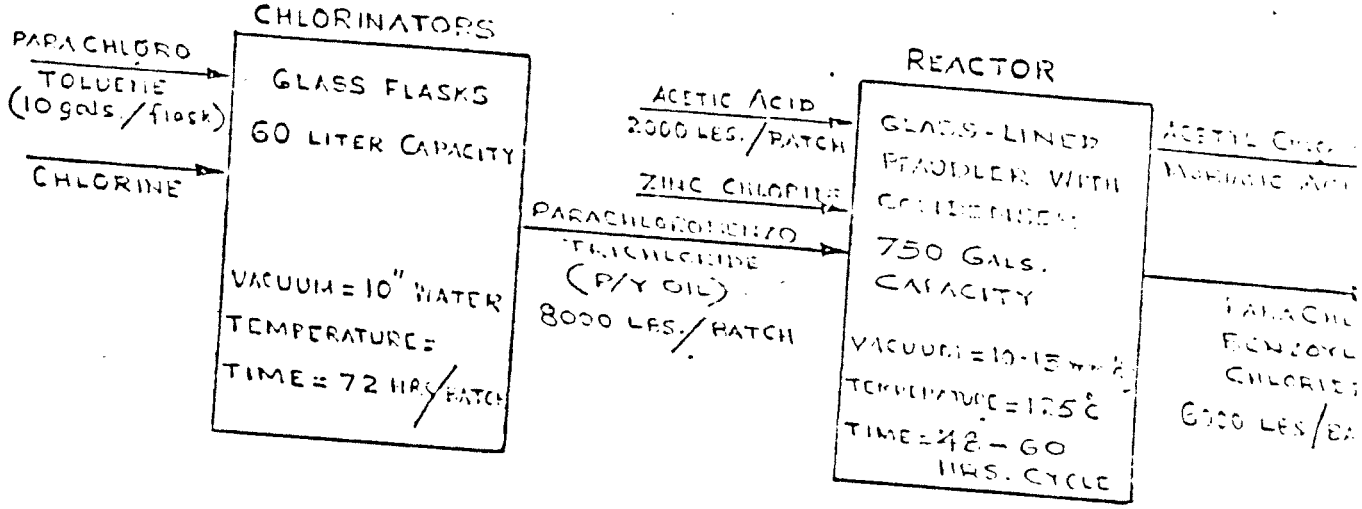
The 2,4 dichlorotoluene is chlorinated on the side chain at elevated temperature to 2,4 dichlorobenzotrichloride. This chlorinated oil is reacted with glacial acetic acid to form 2,4 dichlorobenzoyl chloride. The 2,4 dichlorobenzoyl chloride is purified by vacuum distillation from the reactor.

DEPARTMENT CAPACITY - 65,000 Lbs./Month (7 Day Basis)

DEPARTMENT STAFFING - 4 Chief Operators
1 "A" Day Maintenance Operator

RE:/pav
11/16/72

PARACHLOROBENZOYL CHLORIDE -- DEPARTMENT P.P.



PROCESS DESCRIPTION:

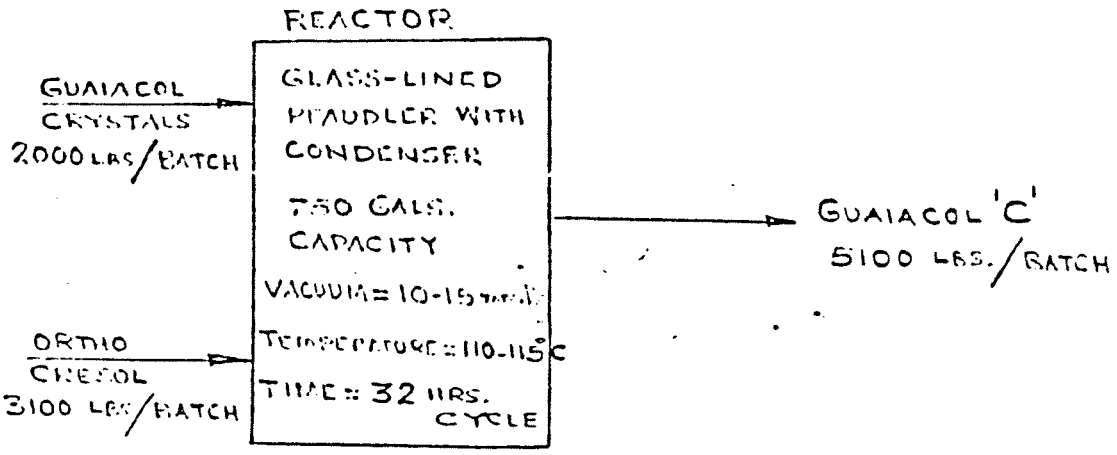
The parachlorotoluene is chlorinated on the side chain at elevated temperature to parachlorobenzotrichloride. This chlorinated oil is reacted with glacial acetic acid to form parachlorobenzoyl chloride. The parachlorobenzoyl chloride is purified by vacuum distillation from the reactor.

DEPARTMENT CAPACITY - 65,000 Lbs./Month (7 Day Basis)

DEPARTMENT STAFFING - 4 Chief Operators
1 Day Maintenance Operator

NH/pav
11/16/72

GUAIACOL "C" - DEPARTMENT P.P.



PROCESS DESCRIPTION:

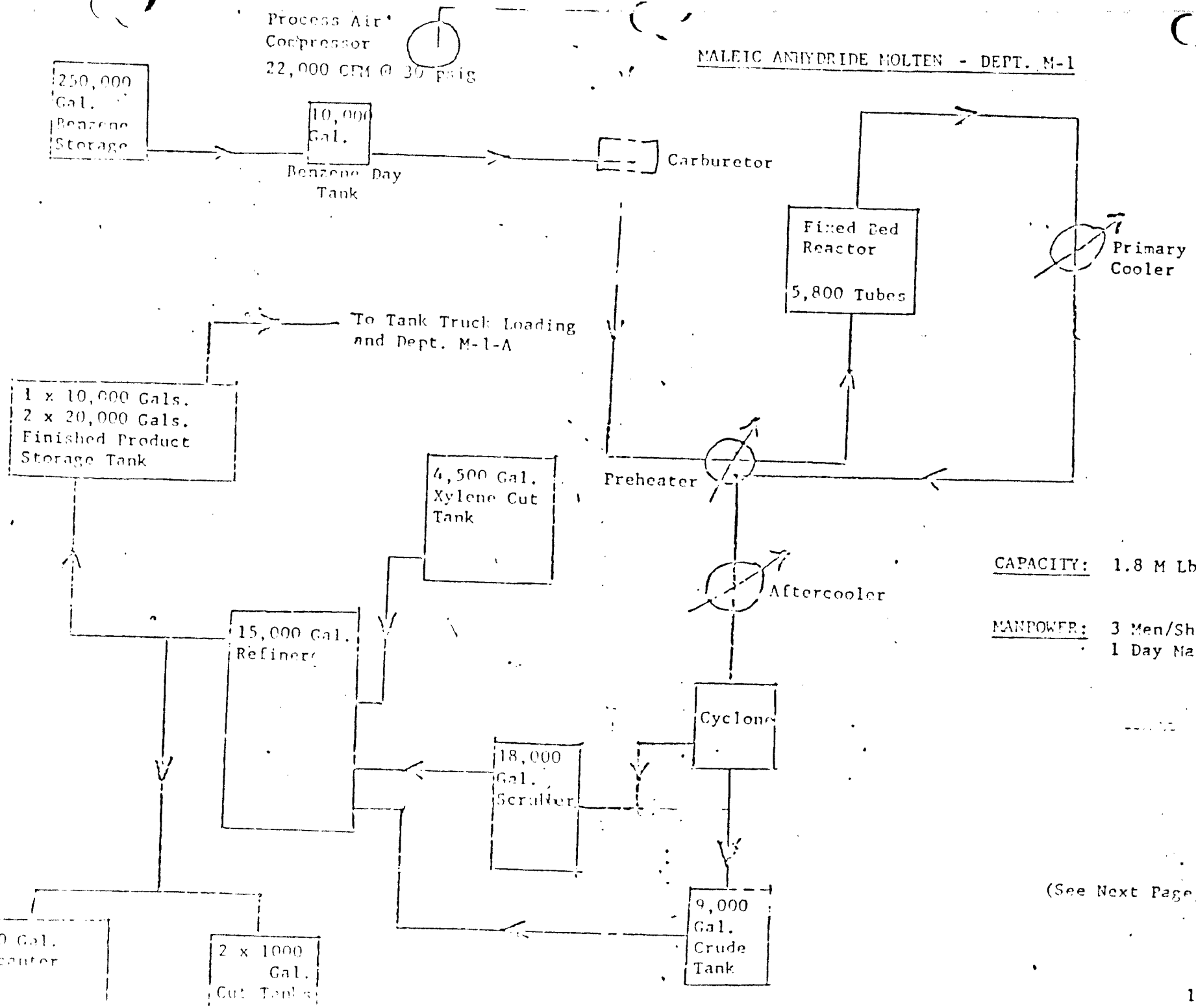
Guaiacol crystals and ortho cresol are mixed in a glass-lined Pfaudler and then distilled off to get finished Guaiacol "C".

DEPARTMENT CAPACITY - 100,000 Lbs./Month (7 Day Basis)

DEPARTMENT STAFFING - 4 Chief Operators
1 "A" Day Maintenance Operator

NM/pav
11/16/72

MALEIC ANHYDRIDE MOLTEN - DEPT. M-1



CAPACITY: 1.8 M Lbs./Month

MANPOWER: 3 Men/Shift
1 Day Maint. Oper

(See Next Page)

11/9/72

MALEIC ANHYDRIDE MOLTEN - DEPT. M-1

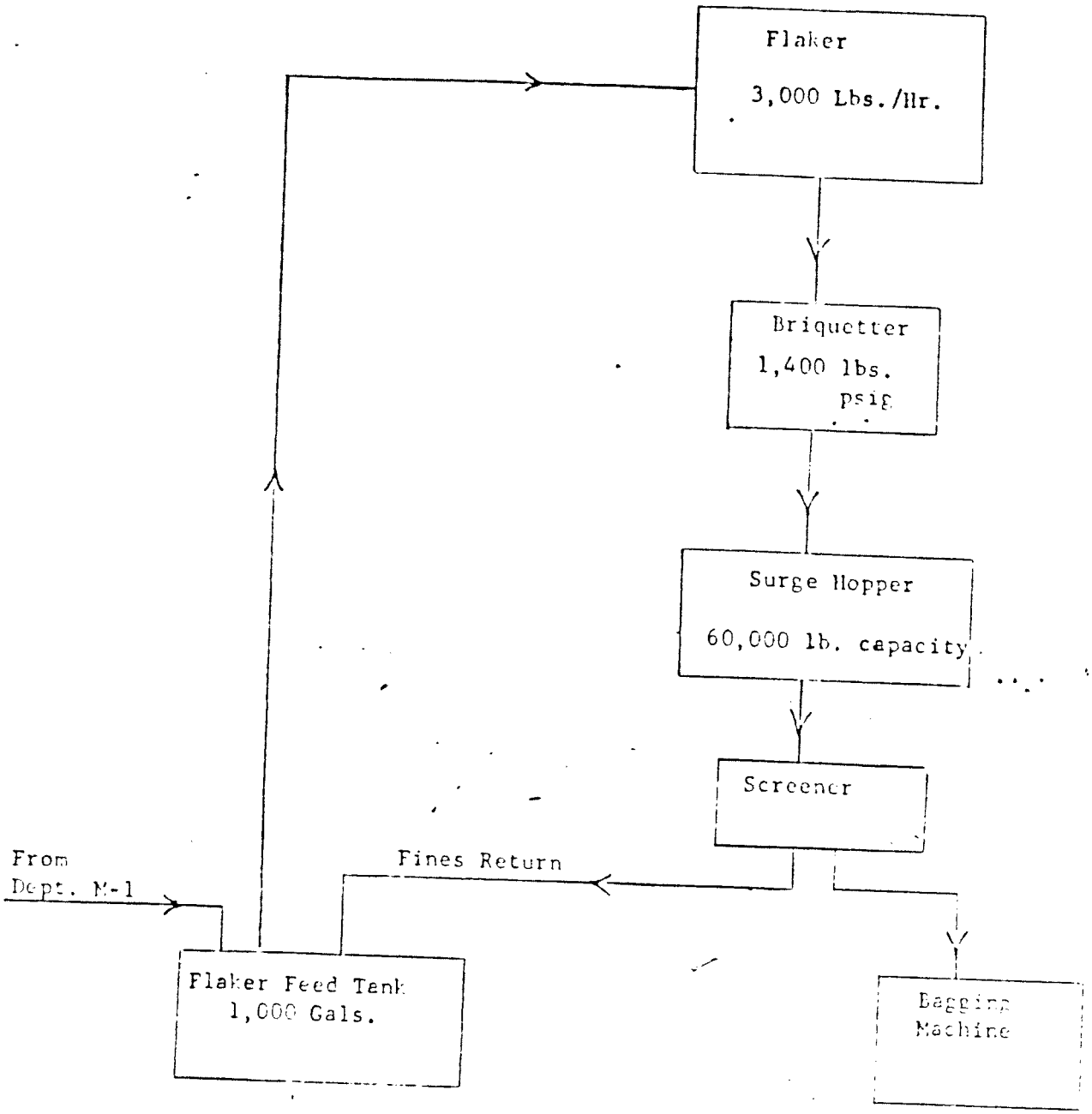
PROCESS DESCRIPTION:

Maleic anhydride is produced by the catalytic oxidation of benzene. An air-benzene mixture is fed to each of two shell and tube reactors where the maleic anhydride is formed in the gas phase. This product stream is cooled to below 60°C. to condense out approximately 50% of the anhydride formed, which is separated as a crude liquid at the cyclone separators. The remaining product in the gas stream from both reactors passes through a water scrubber where a 40% solution of maleic acid is formed.

The maleic acid collected in the scrubber sump is fed in a batch operation to the refiner column where it is dehydrated in the presence of xylene. The anhydride formed in this step is combined with the crude material recovered from the partial condensation process to make a still batch. This material is distilled and the pure anhydride is collected as an overhead cut.

JM/pav
3/19/73

MALEIC ANHYDRIDE BRIQUETTES - DEPT. M-1-A



DEPARTMENT CAPACITY - 16,000 Lbs./Day
(5 Day Basis)

DEPARTMENT STAFFING - 1 "A" Day Operator
1 "A" Shift Operator

(See Next Page)

PROCESS DESCRIPTION:

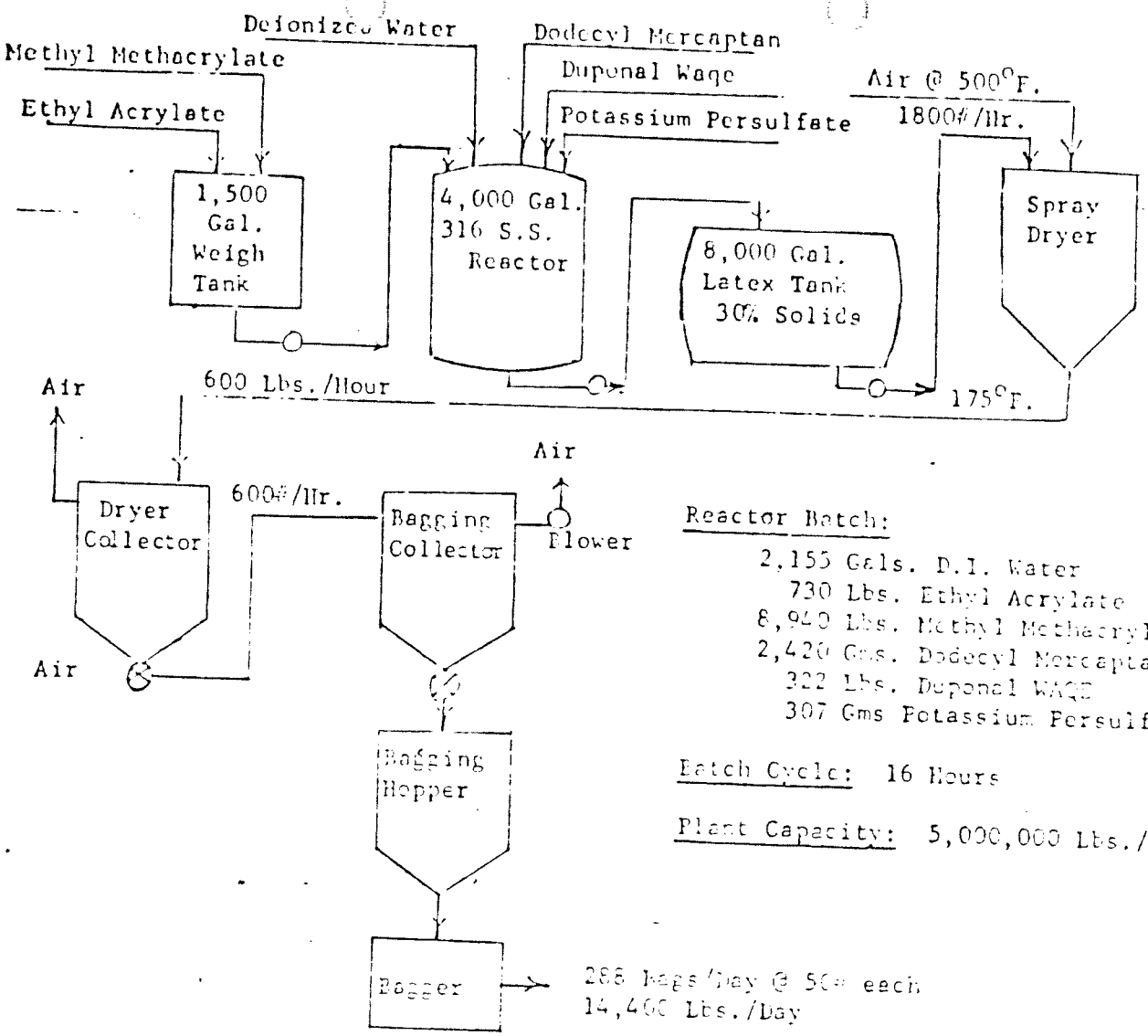
Molten maleic is pumped from the flaker feed tank up to the flaker pan where it solidifies on a rotating stainless steel flaker drum. The drum is cooled with tower water and has a flaking capacity of 2,000 P.P.H. The solid film of maleic is removed from the surface of the drum by a steel docotor blade. The flakes are collected in a hopper below the flaker and are forced into the briquetter by a screw feeder at 1,400 PSIG.

The briquettes are collected in a surge hopper until enough are collected to make a run on the bagging machine. The briquettes feed from the surge hopper across a Syntron screener to the bagging machine, and fines removed in the screener drop to the flaker feed tank and recycled to the flaker.

The bagging machine fills 50 lb. bags + or - 4 oz. each and the bags are then passed through a heat sealer to seal the bag closed.

Bags are then palletized 40 bags each and are then stored in the M-1 warehouse.

JT/pav
11/15/72



Reactor Batch:

2,155 Gals. D.I. Water
730 Lbs. Ethyl Acrylate
8,940 Lbs. Methyl Methacrylate
2,420 Gms. Dodecyl Mercaptan
322 Lbs. Duponal WAQE
307 Gms Potassium Persulfate

Batch Cycle: 16 Hours

Plant Capacity: 5,000,000 Lbs./Year

Manning (For 5 Day Operation): 3 "A" Shift Oper.
2 Baggers

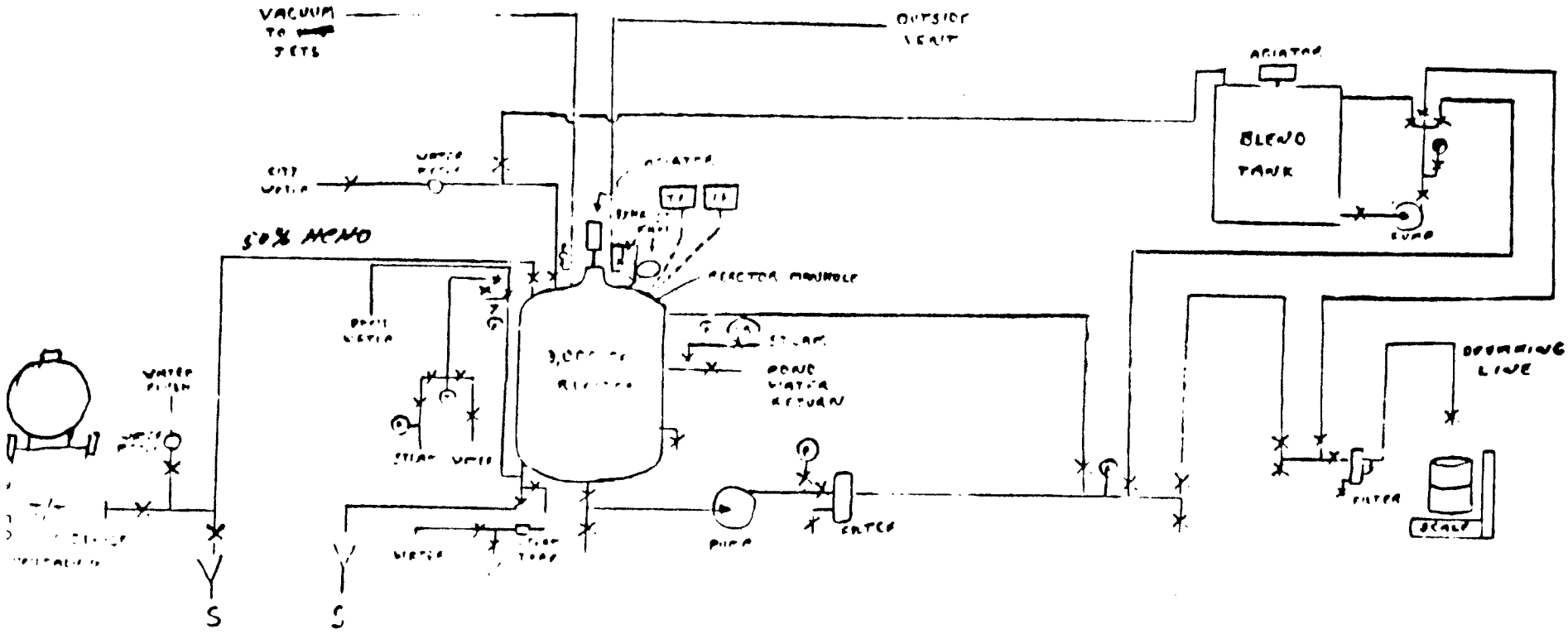
PROCESS DESCRIPTION:

The copolymer of methyl methacrylate and ethyl acrylate is made batchwise in the reactor in emulsion form. The Latex is fed continuously to the spray dryer. The dry powder from the dryer is air conveyed to the bagging system. Bags are fifty pounds each.

JJM/pav
11/13/72

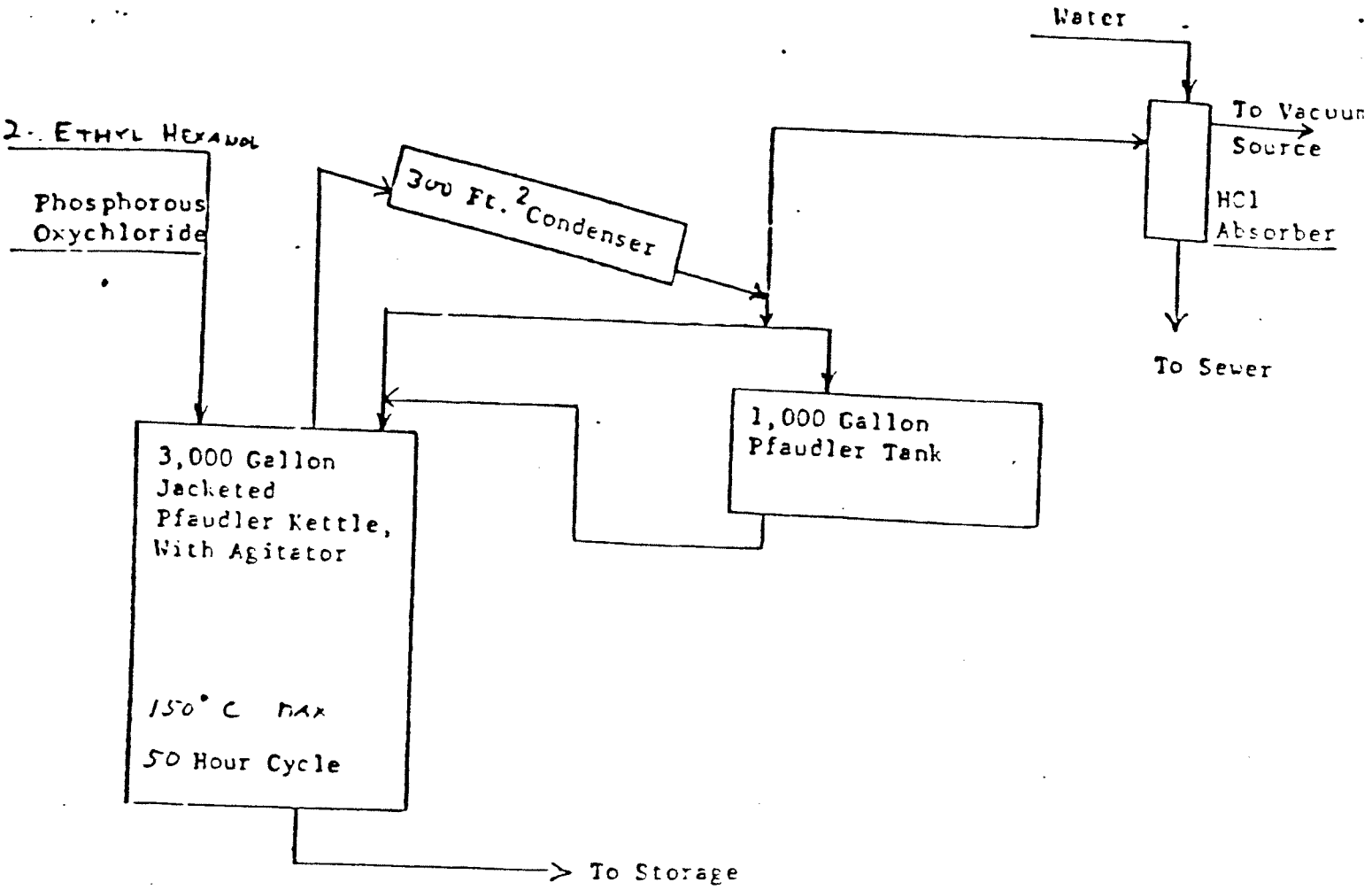
Subj: Standard Operating Procedure for the Production of NUOSEPT 95 as a 50% Aqueous Solution

NUOSEPT 95 FLOW SHEET
DEPT. H-7 - BLDG. 6

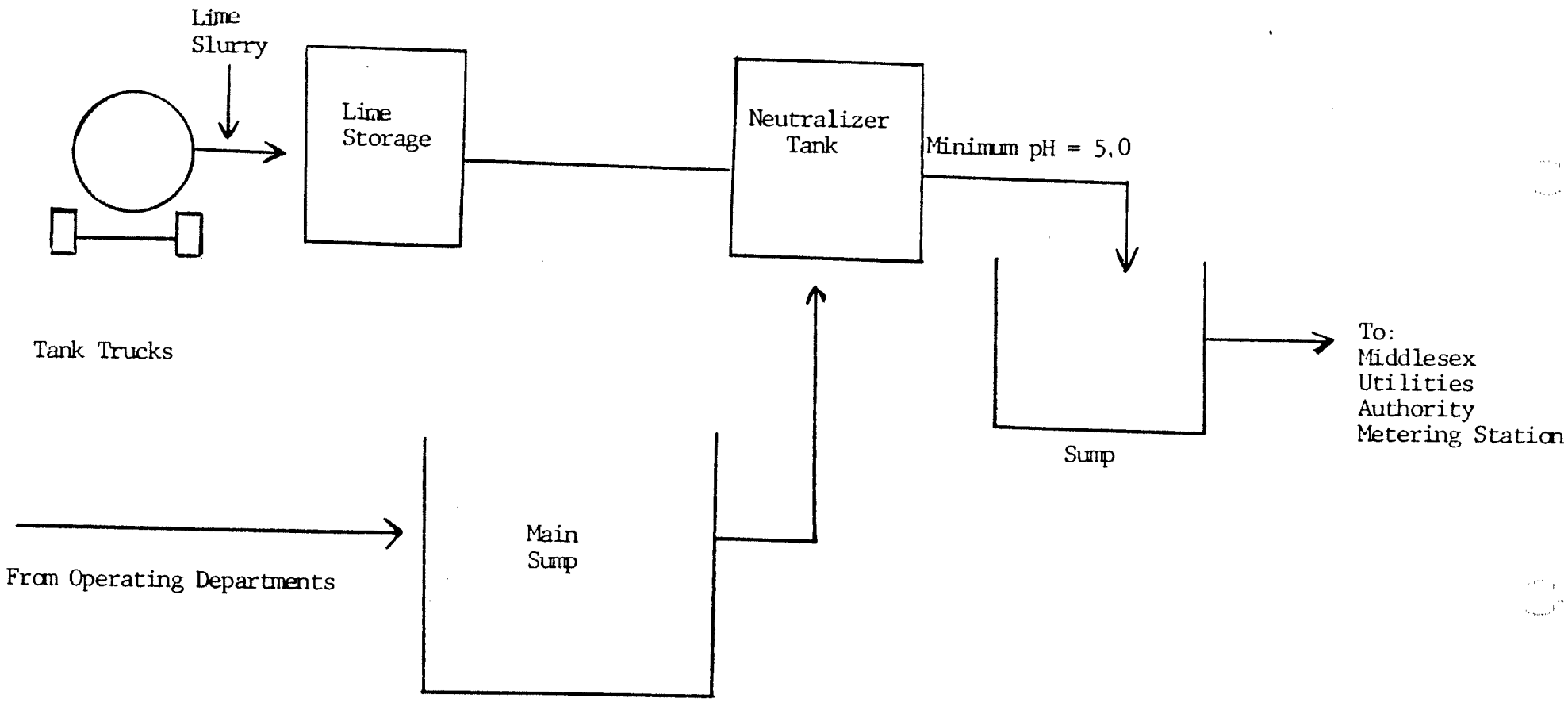


PROCESS DESCRIPTION: Nuosept 95, a bacteriostat, is made by reacting formaldehyde and tris (hydroxymethyl) aminomethane in a 3000 gallon stainless reactor. The product is pumped to a blend tank where a final water addition is made prior to drumming or filling 300 gallon bulk containers (totes).

1/24/79
GMG.


Water
To Vacuum Source
HCl Absorber
To Sewer
2-Ethyl Hexanol
Phosphorous Oxychloride
300 Ft.² Condenser
1,000 Gallon Pfaudler Tank
3,000 Gallon Jacketed Pfaudler Kettle, With Agitator
150° C max
50 Hour Cycle
To Storage

SEWAGE PLANT
SIMPLIFIED FLOW DIAGRAM



Process Description - Sewage from the operating departments flows to the main sump at the Sewage Plant. The level in this sump is controlled by a level controller. From the sump the sewage is transferred by any one of three pumps to a neutralizing tank. pH of the outflow from the neutralizer tank is controlled automatically by lime addition. Overflow from the neutralizer is to the Middlesex Utilities Authority (MCUA) to which we are a direct contributor. The minimum pH acceptable to MCUA is 5.0.

Listing of areas where hazardous materials have been used, stored, manufactured, etc. as depicted on Site Plan

Bldg. No.	Activity
12	Former site (until 1969) of benzaldehyde production. The raw material was toluene, which was stored in the south tank farm (south of Bldg. 22, north of railroad siding). The building had concrete floors. The building also had a trough to catch spills which were directed to the plant sewage system. A minor amount of tolyl aldehyde was produced in this area.
20	Control Room, Formaldehyde Plant. Operations were shut down in February, 1985. Startup was in 1968. The raw material used was methanol, stored in a 600,000 gallon tank north of Bldg. 30. Formaldehyde storage tanks were enclosed with berms to lead spills to a simple catch basin. The methanol storage tank has an earthen berm to contain spills. The reactor area was protected with a concrete pad. Cleaning out and decontamination of equipment in this department is currently underway.
25	Former site of Phosphate Ester manufacturing operations. Manufacturing ceased in September, 1984. All manufacturing equipment and storage tanks in and adjacent to this facility were cleaned and removed. The major raw materials used in this department were phenol, 2-ethyl hexanol, butoxyethanol, isodecanol phosphorus oxychloride and phosphorus trichloride, all of which were stored immediately adjacent to the department. Product was stored in bulk in the department, in large storage tanks in the south tank farm and adjacent to Building 30. This building, as all other manufacturing buildings, had concrete floors and sewage troughs to lead spillage, tank washings, etc. to the plant sewage treatment system. Phosphate Ester manufacturing started at Fords in 1970. The western half of Building 25 was built in 1936 for the production of ortho and parachlorotoluene, using toluene as the raw material. Part of the production was sold; the remainder was used as raw materials for various products at other buildings in the southwest quadrant of the plant. See Area S-1 and S-2.

Bldg. No.	Activity
25 (cont'd)	The eastern half of Building 25 was used for the production of salicylaldehyde until approximately 1970. Raw materials used were o-cresol, chlorine and phosphorus oxychloride, producing tricresyl phosphate as an intermediate. The product was shipped in drums and tank trucks.
30	Originally constructed for the manufacture of pentaerythritol in 1957. Pentaerythritol shutdown in 1970. Raw materials were formaldehyde and acetaldehyde. Formic acid was a by-product. The product, pentaerythritol is readily biodegradable, is a sugar-like substance, and not considered hazardous. Upon shutdown the equipment was cleaned out and removed in a manner consistant with local fire regulations and reasonable safety standards. The facility was a relatively modern one, serviced with good floor drainage, etc. Subsequent to the above operation, Supercryl 100 was made for approximately five years in the mid to late 1970's using some equipment to the south of Bldg 30. Raw materials used were methyl methacrylate and ethyl acrylate. The storage tanks were emptied and cleaned out upon shutdown. Most of the equipment is still in place.
31	A modern clean warehouse built in 1960 to store maleic andydride briquettes in bags. The flaker building, an appendage to the south, was the site for manufacturing briquettes from molten maleic anhydride. Molten maleic was stored to the south of Building 31. Briquetting operations ceased under Tenneco in 1982.
32	Control Room, Maleic Anhydride Plant. The plant was started up in 1960 (Heyden Newport) and shutdown in 1982 by Tenneco. The manufacturing facilities are depicted immediately to the south of Building 32. Benzene was the raw material used for the maleic anhydride and was stored in a 250,000 gallon bermed tank to the south. Benzene was received in tank trucks at this storage tank and in tank cars at the siding to the west of Building 31. Ortho xylene was also used on the site. The product, molten maleic anhydride, was loaded in tank trucks to the north of the two 20,000 gallon horizontal product tanks and at the railroad siding. A significant amount was transferred to the flaker building, Building 31, for the briquetting operation.

Bldg. No.	Activity
32 (cont'd)	Maleic acid solution was an intermediate product made and stored in the vicinity of the Scrubber Tower. Part of the Maleic plant facilities were used to produce phthalic anhydride (raw material is ortho xylene) for a short time in the 1960's. The reactor area is stoned. The benzene day tank and xylene cut tanks have concrete pads and dikes and serviced by troughs built to lead spillage and tank washings to the plant sewage treatment plant.
35	Warehouse. Built for original plant in 1922. Used for storage of products in drums and bags, equipped with both truckloading and box car loading platform.
36, 36A 37, 37A	Site of formaldehyde and hexamethylene tetramine manufacturing facilities from 1923 until 1982 when they were shutdown under Tenneco. The raw materials, methanol and ammonia, are adjacent to the buildings. Formaldehyde, an intermediate product in the operation, was stored to the west of Building 37A. The formaldehyde and methanol storage areas have concrete pads, sumps and drainage that direct spillage to the plant treatment system. Sulfidal, an FDA registered product, was produced in the west end of Building 37.
39	Utility Building, Formaldehyde operation. Contains formaldehyde filter, mixed bed deionizer, water softener.
47	Building for three 10,000 gallon methanol tanks for Hexa process. Tanks have been emptied and cleaned.
49	Manufacturing facilities for Nuosept 95 and Guaiacol C. All equipment has been cleaned and removed from site. Operation shutdown in 1985 by Nuodex Inc. The main raw materials used here were formaldehyde, o-cresol and tris hydroxymethyl amine. Nuosept 95 is an EPA registered bacteriostat.
60	Open walled warehouse built in 1965 for the storage of Strobane, a FIFA registered pesticide. Strobane bulk storage and drumming facilities were located here. Building 60 is currently used to store hazardous and non-hazardous waste in a segregated portion of the warehouse and empty containers.

Bldg. No.	Activity
Sewage Settling Basins	These basins were originally built to separate solids from our sewage treatment system before passage of that sewage to the Middlesex County Sewage Authority. These basins are currently being bypassed and closure plans have been submitted to the New Jersey Department of Environmental Protection.
Area S-1	The former site of Building 7 and Building 15. Building 7 was demolished in the '60's and Building 15 was demolished in 1980 by Tenneco. Building 15 was the site of various chlorination processes, including benzyl chloride, Strobane, Tri-fene, Fenac, and para chloro benzyl chloride. The raw materials such as toluene, mixed camphenes, and dimethylamine were stored to the south of the building. Chlorine was received in tank cars at the railroad siding to the south. Products were shipped out in drums, carboys, tank trucks and tank cars. Tri-fene and Fenac were EPA registered herbicides. Building 7 (K7) was the original site for benzaldehyde production (see Bldg. 12).
Area S-2	Site of buildings demolished in 1980 by Tenneco. The products were mostly chlorination products starting with the ortho and para-chlorotoluene produced in Building 25 and included di- and trichlorotoluene, ortho and para-chlorobenzaldehyde, ortho and para chloro benzoic acid, etc. (see product listing). Hydrogen chloride was a by-product of all the chlorination reactions and was converted to hydrochloric acid solution in this area. The hydrochloric acid was sold as a finished product. Benzyl alcohol and fluorinated toluene derivatives (e.g. benzotrifluoride) were producted in this area for a relatively short time in the late '60's and early '70's.
Area L-1*	Inactive landfill by Industrial Avenue, north of East Pond. Approximate size one (1) acre.
Area L-2*	Inactive landfill south of Maleic Anhydride plant. Approximate size one (1) acre.
Area L-3*	Inactive landfill south of settling basins. Approximate size twelve (12) acres.

*Site Plan No. 2

Appendix C: Laboratory Reports

C-1 META Environmental Inc., Environmental Forensic Report, SDG: BD100612, BD100616, BD100703, August 4, 2010

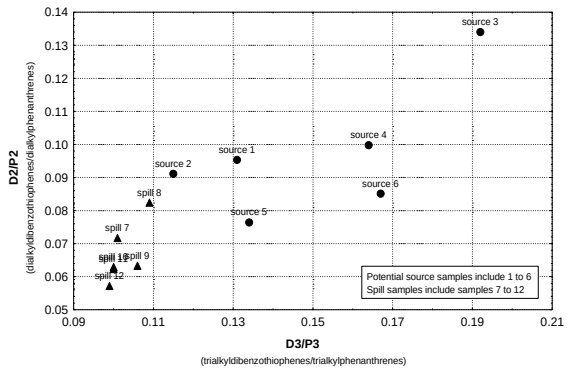
C-2 TestAmerica, Analytical Report, Job Number: 500-26466-1, July 20, 2010

Environmental Forensic Report

EPEC Polymers Site

SDG: BD100612, BD100616, BD100703

Figure 1. Double Ratio Plot



Report To:

EPEC Polymers, Inc.
1001 Louisiana Avenue
Houston, TX 77002

Report By:

META Environmental, Inc.
49 Clarendon Street
Watertown, MA 02472

August 4, 2010

Identifying and allocating sources of pollutants in complex environments.

META Environmental, Inc.
ENGINEERING & CHEMISTRY

META Environmental, Inc.

49 Clarendon Street
Watertown, MA 02472
Phone: 617-923-4662
Fax: 617-923-4610
E-Mail dmauro@metaenv.com

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

New York Certification Number: 11886

Certification

This certifies that this package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed herein. The results included in this data report relate only to the samples as received and analyzed by the laboratory.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager and Quality Assurance Officer, as verified by the following signatures.

James A. Roush — August 4, 2010
Environmental Scientist, Laboratory Manager

David M. Mauro — August 4, 2010
Senior Scientist, Quality Assurance Officer

Sample Delivery Group Narrative

Project:	EPEC Polymers Site
Client	EPEC Polymers, Inc. 1001 Louisiana Avenue Houston, TX 77002
Report Contact:	Scott Miller
Dates of Receipt:	6/12/2010; 6/16/2010, 7/3/2010
Sample Summary:	The samples received for this project are summarized in the attached sample login forms in Appendix A.
META Project Number:	E21001
SDG No.:	BD100612, BD100616, BD100703
Total Pages in Report:	546

Chain of Custody

The samples were received in good condition. The internal temperatures of two shipping containers were within the recommended 0-6°C range; the temperature of the other shipping container was slightly above 6°C. The temperatures were as follows:

Samples received:	06/12/2010	3.8°C	Ice present
	06/16/2010	6.3°C	Ice present
	07/03/2010	1.0°C	Ice present

Internal chain of custody procedures were followed after sample receipt. Samples were stored in a locked refrigerator. A sample custody logbook contains the record of sample removal from the secure sample storage area to the sample preparation laboratory. The custody record for the sample extracts is present on the sample extraction logbook page.

The disposal of samples and extracts will be authorized one month after the release of this data report. Sample disposal will be documented.

Methods

Six samples of non-aqueous phase liquid (NAPL), 33 soil samples, and 2 water samples were received by META from the EPEC Polymers Site on 6/12/2010 and 6/16/2010. Subsequently, four more soil samples and one more water sample were received from the same site on

7/3/2010.

Five of the six non-aqueous liquid (NAPL) samples were prepared by solvent dilution (EPA 3580) using dichloromethane (DCM). One NAPL sample, NAPL E, contained substantial amounts of soil and particulate carbon mixed with the NAPL and was extracted as a soil sample.

The soil samples were prepared by solvent extraction (EPA 3570) using DCM. The water samples were prepared by EPA 3511 also using DCM.

All soil and NAPL extracts were split and a portion exchanged to hexane and cleaned up with sulfuric acid (EPA 3665A) and copper (EPA 3660B) for polychlorinated biphenyl (PCB) analysis. The three water samples did not require clean up. The PCB extracts were analyzed by EPA Method 8082 modified to include polychlorinated terphenyl (PCT) Aroclors, as well as PCB Aroclors.

Subsequently, five of the six NAPL samples were re-extracted at higher total mass and re-analyzed for PCBs and PCTs with lower detection limits.

A second portion of each extract of the NAPL samples only was spiked with internal standard and analyzed by GC/FID (EPA 8100M) for fingerprinting and by GC/MS/SIM (EPA 8270M) for mono- and polycyclic aromatic hydrocarbons (MAHs and PAHs), alkyl PAH homologues and other selected compounds.

A portion of each extract also was analyzed for an expanded list of volatile and semivolatile organic compounds, and tentatively identified compounds (TICs) by GC/MS (EPA 8270M).

Results

Sample results are presented in several appendices which follow this narrative.

Appendix B: GC/FID Fingerprints
Appendix C: MAH/PAH Concentrations
Appendix D: Extended MAH/PAH Profiles - Histograms
Appendix E: Extracted Ion Current Profiles (EICPs)
Appendix F: PCBs and PCTs
Appendix G: Volatile and Semivolatile Organic Compounds
Appendix H: Tentatively Identified Compounds

Quality Control

Analyte Flags

The detection limits were determined as the sample equivalent of the lowest linear initial calibration standard. Analytes measured between 50% and 100% of the lowest standard were reported as "estimated" and flagged with the letter "J." Undetected analytes were reported as null and flagged with the letter, "U." Analytes marked with a "B" were detected in the associated

blank and should be reviewed for a possible positive bias. No deviations were thought significant enough to compromise the integrity of the reported values.

Holding Times

All samples were extracted within holding times with the following exceptions: samples NAPL F, NAPL B, NAPL C, NAPL D, and DUP061110 were re-extracted for PCBs/PCTs 42 days after collection (28 days beyond holding time). However, the samples were stored frozen at -20°C prior to re-extraction and no significant loss of target analytes is expected.

The samples and extracts were stored at 4°C ± 2°C prior to extraction and analysis. The extracts were analyzed within 40 days of sample preparation. All soil and NAPL samples were frozen within 14 days of collection.

Surrogate Spikes

Extraction surrogates were added to all samples prior to extraction. All surrogate compounds were recovered within the 50% - 120% acceptable criterion with the following exceptions:

PAHs

All PAH surrogate compounds were recovered within the 50%-120% acceptable criterion with the following exceptions: toluene-d8 was slightly under-recovered (48%) in sample Duplicate of NAPL E.

PCBs

All PCB surrogate compounds were recovered within the 50%-120% acceptance criterion with the following exceptions: decachlorobiphenyl was under-recovered in NAPL D SO-1 (48%), NAPL E SO-1 (28%), B9-5E-0-0.5 (48%), Matrix Spike of NAPL D SO-1 (48%), and MSD of NAPL D SO-1 (42%). Decachlorobiphenyl was over-recovered in samples 2G-1.0-1.5 (134%) and HD5-2-2.5. tetrachloro-m-xylene was under-recovered in samples B9-5E-0-0.5 (32%).

Tetrachloro-m-xylene (TCMX) was recovered at 130% and 121% the matrix spike and matrix spike duplicate samples respectively.

SVOCs

4-Bromofluorobenzene, nitrobenzene-d5, 2-fluorobiphenyl, and p-terphenyl-d14 were over-recovered in QC1—617-ABS1-B. 2,4,6-Tribromophenol was over-recovered in QC100709-ABS-A, NAPL B, NAPL F, NAPL C, NAPL D, NAPL B-MS, and NAPL B-MSD. 2,4,6-Tribromophenol was under-recovered in NAPL E SO-1 and NAPL E.

Toluene-d8 was under-recovered in 2G-1.0-1.5.

Blanks

PAHs

Various MAHs and PAHs were detected below or just above the reporting limit (RL) in soil blank QC100615-SB and method blank (QC100615-MB. As these compounds were detected in the field sample at much higher relative concentrations (greater than 10x the blank levels) positive bias does not appear to be significant. Those analytes have been flagged "B" on the data summary sheets and should be evaluated for potential positive bias.

PCBs

No PCBs were detected in any blank.

SVOCs

No target compounds were detected in any field or laboratory blank.

Blank Spikes

A blank spike sample was extracted with each analytical batch. All spiked compounds were recovered within criteria with the following exceptions:

PAHs

All spiked compounds were recovered within criteria.

PCBs

Aroclor 1260 was over-recovered at 121% in the aqueous blank spike.

SVOCs

Several compounds were over-recovered in QC100617-ABS1-B. These over-recoveries were due to a laboratory internal standard spiking error. cis-1,2-Dichloroethene, chloroform, carbon tetrachloride, and 2,4-dinitrophenol were under-recovered in QC100616-SBS, QC100617-SBS, and QC100709-SBS1. 2,2-Dichloropropane, 1,1,1-trichloroethane, 1,1-dichloropropene, and benzyl alcohol also were under-recovered in QC100709-SBS1.

Matrix Spiked Compounds

A matrix spike and matrix spike duplicate were prepared and analyzed with each analytical batch. All spiked compounds were recovered within 50-120% criterion with the following exceptions:

PAHs

Sample NAPL F was spiked with PAHs in duplicate. All PAHs were recovered within the 50%-120% acceptance criterion in both the matrix spike and matrix spike duplicate.

PCBs

Samples NAPL D SO-1, NAPL C, and HD6-2-2.5 were spiked with PCBs prior to extraction and analysis. All PCBs were recovered within the 50%-120% acceptance criterion in both the matrix spike and matrix spike duplicate.

Aroclor 1016 was recovered at 124% and 123% in the MS and MSD respectively. Aroclor 1260 was over-recovered at 141% and 131% in the MS and MSD respectively.

SVOCs

Several SVOCs were recovered outside of the 50 – 120% criterion in each of the matrix spiked samples. The results are reported with the sample results in Appendix C.

Duplicates

PAHs

Samples NAPL E was extracted and analyzed in duplicate. Relative percent differences are reported with the sample results in Appendix C.

PCBs

Samples NAPL F SO-1 and CD-05-0-0.5 were extracted and analyzed in duplicate. Relative percent differences are reported with the sample results in Appendix C.

Sample HD-12(0-0.5) was extracted and analyzed in duplicate. Relative percent differences are reported with the sample results in Appendix B.

SVOCs

Samples NAPL F SO-1, HD-12(0-0.5), and CD-05-0-0.5 were extracted and analyzed in duplicate. Relative percent differences are reported with the sample results in Appendix C.

Internal Standards

Internal standards were recovered within acceptable QC limits (50%-200%) relative to the continuing calibration standards.

Other

Due to a laboratory error, sample DUP 061110 was not analyzed for PAHs.

PCBs were detected in samples HD-12(0-0.5) and HD-12(2-2.5) above the calibration ranges. Those results have been flagged “E”.

PCB Aroclor mixtures and non-PCB peaks may have biased the PCB Aroclor identifications concentrations for some samples.

Interpretation

Introduction

Six samples of non-aqueous phase liquid (NAPL) and 33 soil samples were received by META from the EPEC Polymers Site on 6/12/2010 and 6/16/2010. Subsequently, four more soil samples were received from the same site on 7/3/2010. The NAPL samples were analyzed for hydrocarbon fingerprint, an expanded list of MAHs and PAHs, PCBs, and SVOCs. The soil samples were analyzed for PCBs and SVOCs.

This report summarizes the findings and compares the samples.

Sources of MAHs and PAHs in the Environment

Aromatic hydrocarbons include MAHs such as benzene, toluene, xylenes, and alkylated benzenes, and PAHs such as naphthalene, phenanthrene, and pyrene. MAHs and PAHs originate from many sources and exist at many sites. This section briefly reviews the sources of MAHs and PAHs in urban soils and sediment.

Crude petroleum, many of its refined products, coal, coal tar, and many coal tar products consist primarily of hydrocarbons. Hydrocarbons are organic molecules that are made up of only carbon and hydrogen atoms. Some simple hydrocarbons include hexane and benzene. There are several types of hydrocarbons that are commonly grouped by similar chemical structures, such as alkanes, cyclic alkanes, and aromatic hydrocarbons.

MAHs and PAHs are one group of hydrocarbons that are present at high relative amounts in crude oil, coal, coal tar, and many of their products. In environmental forensic chemistry and geochemistry, MAHs and PAHs are placed in subgroups according to their origins. These groups include diagenic, or recently produced, petrogenic, produced at relatively low temperatures over long periods of time, and pyrogenic, produced at high temperatures with a shortage of oxygen. Petrogenic PAHs are those found in crude oil and similar materials. Pyrogenic PAHs are those found in coal tar and related substances, and from the incomplete combustion of organic matter.

Some PAHs can be formed by natural biological and chemical processes at ambient temperatures. When present, these PAHs are found at very low concentrations. Further, these PAHs are rarely the subjects of environmental investigations and few, if any, are regulated.

PAHs also can be formed at relatively low temperatures. In particular, crude oils contain MAHs and PAHs that formed over millions of years at temperatures as low as 100°C to 150°C. MAHs and PAHs formed during crude oil maturation and similar processes are called petrogenic. Similarly, coal was formed at low temperatures over long periods of time and therefore is included in the petrogenic group. Both crude oil and coal contain hundreds of different MAH and PAH compounds, including many that are the subject of environmental investigations and are regulated.

Petrogenic MAHs and PAHs have been released into urban environments from numerous anthropogenic sources over the past two centuries. For example, it has been a common practice

to spray roads with oil to manage dust. Asphalt is produced from petroleum and the small particles that are created as roads wear away contain PAHs. Cars and trucks drip fuels and lubricating oils that contain petrogenic MAHs and PAHs. Many industries have stored and ultimately spilled petroleum products that range from gasoline to heavy oils. Further, the potential impacts from coal cannot be ignored. For many years, residential and commercial buildings were heated with coal and small amounts of coal and coal dust accumulated wherever coal was handled. All of these sources of petrogenic PAHs, and many others, contributed to a pervasive background of PAHs in urban settings. Because many releases occurred years ago at unanticipated locations and because soil was moved around as the urban environment expanded and was modified for various uses, it is difficult to predict where and at what levels MAHs and PAHs might be found.

Finally, MAHs and PAHs are formed whenever organic substances are exposed to high temperatures under low oxygen or no oxygen conditions in a process called pyrolysis. Pyrolytic processes occur intentionally, such as in the destructive distillation of coal into coke and coal tar, or the thermal cracking of petroleum residuals into lighter hydrocarbons and oil tar. Similar processes occur unintentionally, such as the incomplete combustion of motor fuels in cars and trucks, the incomplete combustion of wood in forest fires and fireplaces, and the incomplete combustion of fuel oils in heating systems. These processes occur at temperatures that range from about 350°C to more than 1200°C, and their products are called pyrogenic.

Like petrogenic MAHs and PAHs, pyrogenic MAHs and PAHs have been released into urban environments from numerous sources. These include some obvious sources, such as building fires and industrial smoke stacks. They also include less obvious sources, such as debris from coal tar-treated roofing and building materials. The incomplete combustion of gasoline and diesel fuel in cars, trucks, and buses produces substantial amounts of pyrogenic PAHs that attach to small particles and accumulate along roadsides. Any industry that utilized high temperatures in their operation probably produced PAHs. These included such industries as foundries, steel mills, coke plants, smelters, and others. Similar to petrogenic MAHs and PAHs, pyrogenic MAHs and PAHs accumulated in soil and are found throughout all urban areas.

Much modern gasoline is unusual in that it contains both petrogenic substances (the light distillate of crude oil) and pyrogenic substances (the light hydrocarbons from thermal cracking of oil). For the purposes of this report, all motor gasoline is considered petrogenic.

Composition of Pyrogenic and Petrogenic Materials

Both pyrogenic and petrogenic sources of PAHs have been found to contain hundreds of individual MAHs and PAH compounds in generally predictable patterns. For example, it is known that the temperature of formation of MAHs and PAHs largely determines the distribution of the various parent and alkylated PAHs. Variations in these MAH and PAH distributions are measured using gas chromatography (GC) methods, particularly GC/MS. The visual interpretation of the results from GC/MS testing is a chromatogram. Variations in chromatograms are used to identify the sources of those MAH and PAHs.

Of particular importance to environmental forensic chemistry is the fact that petrogenic and pyrogenic substances from different sources can have measurably different amounts of MAHs and PAHs. For example, crude oils from different reservoirs can exhibit notably different ratios

of trialkylated dibenzothiophenes to trialkylated phenanthrenes. Similarly, the ratio of dialkylated chrysene to chrysene varies among certain pyrogenic sources. Consequently, the determination of PAH profiles forms an important component of environmental forensic studies where hydrocarbon releases, either petrogenic or pyrogenic, are known or suspected to be involved.

In addition to MAHs and PAHs, pyrogenic and petrogenic substances can contain paraffinic hydrocarbons, olefinic hydrocarbons, naphthenic hydrocarbons, and other types of compounds. The presence and relative amounts of these compounds also is used to identify the nature and source of hydrocarbon-based materials in environmental samples.

Description of Chemical Fingerprinting Methodology

PAHs commonly form the basis for source attribution and allocation at sites involving petrogenic or pyrogenic materials. Studies have shown that the pattern of PAHs clearly distinguishes petrogenic from pyrogenic substances and can be used to identify and classify petrogenic or pyrogenic substances of different origins. For example, ASTM Method D 5739-95 is the method used extensively by the U.S. Coast Guard to determine the source of oil spilled in public waterways. That method relies on the determination of selected PAHs in oil, soil, or water samples by gas chromatography with mass spectrometric detection (GC/MS) and the use of the qualitative patterns and quantitative ratios of those PAHs to determine which oil samples have a common origin. Similarly, work by META Environmental, Inc. (META) has shown that the same methodology can be used to identify the sources of PAHs at former MGP sites, coke plants, tar refineries and wood treating facilities. Further, META has modified the typical sample preparation and analysis procedures for hydrocarbon fingerprinting to include MAHs as well as PAHs.

An approach based on MAH/PAH profiling has been used to investigate the sources of hydrocarbons in NAPL samples at the EPEC Polymers site, which is the topic of this report. Therefore, a more detailed discussion of the forensic methods used is presented in the next subsection as background.

GC/FID Fingerprinting

All soil, water, and NAPL samples in this study were analyzed by gas chromatography with flame ionization detection (GC/FID). With GC/FID, organic compounds in a sample are vaporized and then separated in a long, narrow fused silica capillary column. Separation follows boiling point approximately with the most volatile compounds exiting the column first followed by increasingly less volatile compounds. Therefore, certain refined petroleum products, generated by the distillation of crude oil and which differ in their boiling point ranges, are distinguishable by where they appear on a chromatogram. Once they exit the column, the compounds are detected using the flame ionization technique. As the compounds exit and are detected, their responses are recorded and shown as peaks on a continuous plot. The height and area of a peak are proportional to the concentration of that compound in the sample. When done in a controlled and reproducible manner, the GC/FID method produces a “fingerprint” of a sample where the presence and relative amounts of the compounds are immediately visible as peaks of varying height appearing at different times. GC/FID fingerprints for the samples analyzed are provided in Appendix B.

GC/FID methods are commonly used for fingerprinting in a number of forensic fields. The patterns of individual peaks and the sizes and shapes of any baseline features are examined qualitatively for similarities and differences among samples.

The instrumental conditions for the GC/FID analyses in this study were adjusted so that compounds with boiling points between about hexane (C6) and n-tetracontane (C40) were detectable in one analytical run. This range includes most of the VOCs and all of the SVOCs commonly measured in environmental investigations. In particular, it includes benzene, toluene, ethylbenzene, xylenes, and the 16 priority pollutant PAHs that comprise a major portion of MGP tars and other pyrogenic substances. It also includes the range of compounds that are measurable in pyrogenic substances by gas chromatographic methods. Finally, META's GC/FID conditions detect most of the constituents of gasoline, as well as all of the constituents of higher boiling petroleum products (e.g., kerosene, diesel, refined oils).

Source identification using GC/FID is mostly qualitatively applied. An experienced chemist examines the chromatograms, compares them to those of reference materials, and makes a judgment regarding the nature and source of the contamination in the sample. The chemist might go "peak-by-peak" looking for similarities and differences, comparing peak ratios, and looking for indicator compounds.

For some samples, GC/FID fingerprinting is accurate and sufficient. However, the reliability of GC/FID fingerprinting decreases when multiple sources are present in a sample and when the sample composition becomes extensively altered by environmental weathering processes. Other testing methods, such as GC/MS, are complementary for source identification under these conditions.

Extended PAH Profiles (EPPs) by GC/MS

NAPL Samples from the EPEC Polymers site also were analyzed by GC/MS for an expanded list of MAHs and PAHs (EPPs). Separation was accomplished with gas chromatography using a method similar to the GC/FID method discussed previously. However, in GC/MS, once compounds exit the column, they are detected using a mass spectrometer. In the mass spectrometer, the molecules of each compound are ionized at high temperature and vacuum. The ionic fragments are unstable and fragment into smaller ions. The ions are then counted and the mass spectrum recorded. Thus, the mass spectrum for a compound is the pattern of ionic fragments that forms when that compound is ionized. Mass spectra vary widely and are characteristic of their source compound. For example, the mass spectrum of hexane is very different from the mass spectrum of benzene even though both compounds contain six carbon atoms plus hydrogen atoms.

In GC/MS, one obtains both a chromatogram of peaks and additional compound-specific information in the mass spectrum. When executed in a controlled and reproducible manner, the GC/MS method produces multiple "fingerprints" of a sample when specific fragment ions are isolated.

GC/MS is utilized in two general ways in environmental forensic chemistry. First, samples are analyzed under the conditions required by various standard methods, particularly EPA Methods 8260 and 8270 (U.S. EPA SW-846). The concentrations of certain target compounds are

determined and the mass spectrum of each peak in the chromatogram is generated and stored. These mass spectra can be used to identify non-target compounds or to generate extracted ion current profiles (EICPs). Second, various specialty methods are utilized where the GC/MS operating conditions are setup to measure only certain groups of compounds. For example, the method described in 40 CFR Subchapter J Part 300 Subpart L Appendix C for PAHs, alkylated PAHs, and biomarkers is used extensively in oil spill and UST release analyses. This method is similar to ASTM Method D 5739-95, "Standard Practice for Oil Spill Source Identification by Gas Chromatography and Positive Ion Electron Impact Low Resolution Mass Spectrometry."

GC/MS data are used both qualitatively and quantitatively. An experienced chemist examines the chromatograms, compares them to those of reference materials, and makes judgments regarding the nature and source of the contamination in the sample. The chemist might go "peak-by-peak" looking for similarities and differences, comparing peak ratios, and looking for indicator compounds. This process is described in detail in ASTM Method D 5739-95.

GC/MS data are more commonly used quantitatively by calculating the concentrations of selected compounds, by comparing peak area ratios, or by applying chemometric or pattern recognition techniques to the raw or adjusted data. These data analysis methods are used extensively with extended PAH profiles (MAHs, PAHs and alkylated PAHs) and with biomarker compound data. Various degrees of statistical confidence can be achieved by examining chemical concentrations and compound ratios or patterns from multiple samples and replicate samples. This characteristic of GC/MS quantitative data is particularly valuable when assessing the degree of similarity or difference between samples, particularly when multiple sources of hydrocarbons are present in the sample or when environmental weathering has altered the original distributions of hydrocarbons.

Finally, the mass spectra of selected compounds also can be examined to determine whether any diagnostic or indicator chemicals are present in the sample. For example, the PAH retene (1-methyl-7-isopropylphenanthrene) is present in significant concentrations in coal, but at much lower concentrations in coal tar or petroleum products. Thus, the ratio of retene to chrysene can be used to determine whether coal fines are present in a soil sample and to explain some of the hydrocarbon patterns observed at sites where coal was used extensively. Further, unknown compounds can be identified and their presence used as clues to the source(s) of the chemicals.

The GC/MS data in this study were reported and utilized both qualitatively and quantitatively. First, the concentrations of MAHs, PAHs and alkylated PAHs were calculated and included in Appendix C. These concentrations were utilized to estimate contaminant levels in samples, to generate bar graphs (Appendix D) and compare compound ratios. The ratios were used to generate plots for identifying samples with similar compositions.

The GC/MS data also were used qualitatively by generating extracted ion current profiles (EICPs) for selected compounds and compound groups of forensic value (Appendix E). For example, the EICPs for selected "biomarker" compounds including normal alkanes, isoprenoid hydrocarbons, alkylcyclohexanes, triterpanes and steranes are shown on the first page of the EICP report for each sample. These compound groups are commonly used in hydrocarbon source identifications and weathering evaluations. For example, the estimated boiling point range of a refined petroleum product, as indicated by the location of the alkanes and unresolved complex mixture (UCM) on the chromatogram, can be used to determine whether the material is

kerosene, diesel, No. 6 fuel oil, or some other product. Similarly, triterpanes and steranes are known to be present in crude oils and some refined petroleum products, but not found in coke oven tars and rarely found in MGP tars. Therefore, the presence of triterpanes and steranes is monitored to confirm and refine the petrogenic verses pyrogenic assessment conducted with the PAH profiles.

Sample-Specific Observations

Table 1 summarizes the GC/FID, GC/MS, and PCB data for each NAPL sample and its associated soil. Since the soil samples were not analyzed for hydrocarbon fingerprint (GC/FID) or extended PAH profiles (GC/MS), no comparisons between NAPL and soil were made.

Also provided is a qualitative determination of whether the PAHs were pyrogenic or petrogenically-derived and the potential sources of the PAHs.

Table 1. Sample-Specific Observations

Lab ID	Field ID	Comments	PCBs (mg/kg)	Class	Tentative Source Identification
BD100612-01	NAPL F	Dark, pasty material with strong chemical odor; broad high-boiling, unresolved complex mixture (UCM); sesquiterpanes, terpanes, and sterane biomarkers present; petrogenic PAH distribution % solids = 56.1	0.678	petrogenic	unknown
BD100612-02	NAPL F SO-1	Soil.	ND (0.006)		
BD100612-03	NAPL B	Similar to NAPL F % solids = 57.3	2.86	petrogenic	unknown
BD100612-04	NAPL B SO-1	Soil	ND (0.007)		
BD100612-05	NAPL C	Dark, pasty material with strong chemical odor; several large unidentified peaks (not MAHs or PAHs); alkanes, sesquiterpane biomarkers; petrogenic PAH distribution	6.69	petrogenic	unknown
BD100612-06	NAPL C SO-1	Soil.	0.084		
BD100612-07	NAPL D	Similar to NAPL C	21.9	unknown	unknown
BD100612-08	NAPL D SO-1	Soil.	1.27		
BD100612-09	NAPL E	Dark, chunky material with strong chemical odor; several unidentified peaks (not MAHs or PAHs) % solids = 44.6	40.3	unknown	unknown
BD100612-10	NAPL E SO-1	Soil.	0.706		

Lab ID	Field ID	Comments	PCBs (mg/kg)	Class	Tentative Source Identification
BD100612-11	DUP 061110	Similar to NAPL F % solids = 50.9	2.61	petrogenic	unknown
BD100612-12	DUP 061110	Soil	ND (0.006)		
BD100612-13	FB061110	Field blank (aqueous)	ND (0.571 ug/L)		

ND (xxx) – not detected above the reporting limit shown

Petrogenic -- Samples in this group are characterized by higher concentrations alkylated PAHs than their associated parent compound. These samples also exhibit an unresolved complex mixture (UCM) of compounds consisting of alkane, cyclic alkane, and aromatic compounds. Petroleum biomarker compounds, such as sesquiterpanes, triterpanes, and steranes are present.

Discussion

Composition of the NAPL Samples and Soil Beneath the NAPL

Six samples of NAPL were analyzed for hydrocarbon fingerprint and MAHs and PAHs to determine whether the samples were petroleum or coal tar-derived. As discussed above, crude oil and crude oil products are petrogenic and their chemical compositions and MAH/PAH distributions are distinctly different from coal tar and coal tar products, which are pyrogenic. Figure 1 illustrates the differences between a motor oil (petrogenic) and coal tar (pyrogenic).

The GC/FID chromatograms for the six NAPL samples are provided in Appendix B. None of the samples contain PAHs in a pyrogenic distribution consistent with coal tar. Samples NAPL F, NAPL B, and Dup 061110 exhibited a broad, unresolved complex mixture (UCM) of compounds (a hump in the chromatogram) suggestive of heavy petroleum products. GC/MS analysis (Appendix D and E) confirm a petrogenic distribution of PAHs as well as the presence of petroleum biomarker compounds including sesquiterpanes, triterpanes and steranes (Appendix E).

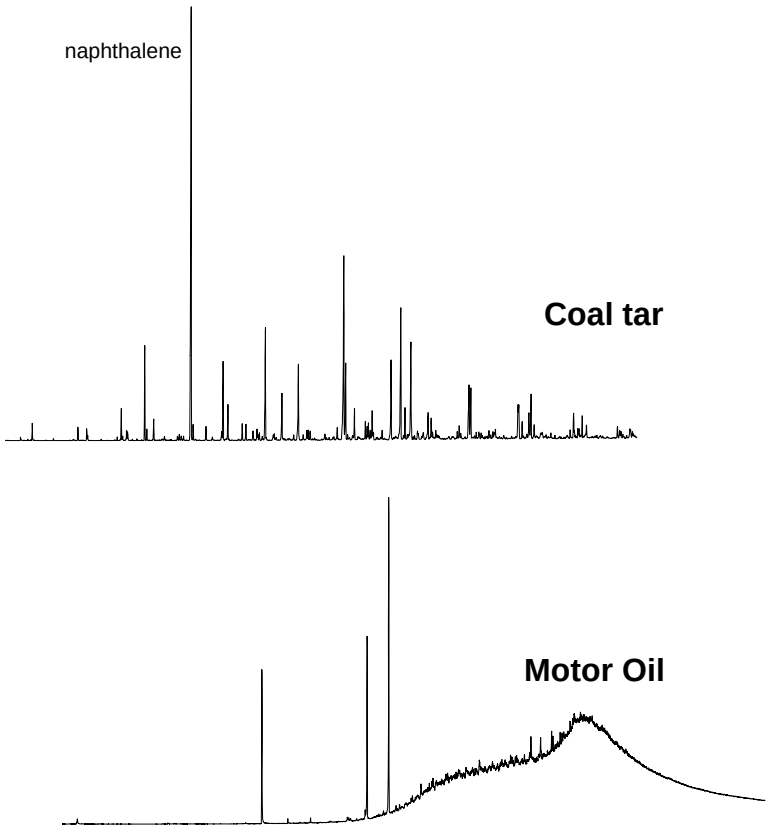
A similar distribution of PAHs was present in samples NAPL C, NAPL D, and NAPL E; however, at lower concentrations.

The petrogenic material in samples NAPL F, NAPL B, and Dup 061110 eluted from about decane (C10) to beyond tetracontane (C40). No alkanes or isoprenoid hydrocarbons were prominent and the chromatograms exhibited few other features. Substances with these characteristics include severely weathered crude and heavy fuel oils, as well as accumulations of mixed processed oils (i.e., lubricating, hydraulic, and heat transfer oils). The specific type of petroleum product could not be identified.

In contrast, samples NAPL C, NAPL D, and NAPL E contained numerous peaks unrelated to common petroleum-derived or coal tar-derived substances. Samples NAPL D and NAPL E contained several chlorinated benzenes and phthalates at detectable concentrations. Those compounds were not detected in NAPL C. All three samples contained substantial amounts of several butylated hydroxytoluene isomers as tentatively identified by mass spectral matching (Appendix H). The data suggest that the NAPL in these samples was a mixture of low relative amounts of petrogenic material and an unidentified chemical process waste.

The moisture content of samples NAPL F, NAPL B, NAPL E, and DUP 061110 were determined to be 43.9%, 42.7%, 49.1%, and 55.4% respectively. These values are substantially higher than found in coal tar or petroleum products, indicating that the NAPL samples were organic-water emulsions of some sort. Sample NAPL E contained substantial amounts of soil and other solid matter such that it was semi-solid.

Figure 1. GC/FID Comparison of Coal Tar and Motor Oil



SVOCs and TICs in NAPL Samples

As discussed briefly above, the six NAPL samples were analyzed for semivolatile organic compounds (SVOCs) and tentatively identified compounds (TIC) by GC/MS. The results are provided in Appendix G and H.

Only PAHs were detected by full scan GC/MS analysis of samples NAPL B, NAPL F, and DUP061110 (Appendix G) except for bis(2-ethylhexyl)phthalate that was detected in sample NAPL B at 127 mg/kg. The 30 highest concentration TICs in NAPL F were all alkylated PAHs or unidentified hydrocarbons. This is consistent with petroleum products. The TICs for NAPL B included many of the same hydrocarbons; but also included three isomers of butylated hydroxytoluene (BHT) at significant concentrations. NAPL sample DUP061110 contained similar TICs as NAPL B.

Only seven TICs were found in NAPL F SO-1 (the soil beneath NAPL F). One was molecular sulfur, often found in wetlands and sediment. The rest were various organic acids and alcohols, possibly petroleum breakdown products. The soil beneath NAPL B (NAPL B SO-1) contained alkanes, alkylated PAHs, BHT, and alkylated phenol isomers (among others). The soil TICs were generally the same as the NAPL TICs.

Based on the comparison of the SVOCs and TICs, as well as the various GC/MS chromatograms, the data indicate that the soil samples NAPL F SO-1 and NAPL B SO-1 contained organic residues similar to NAPL F and NAPL B, respectively.

As discussed above, samples NAPL C, NAPL D, and NAPL E contained numerous peaks unrelated to common petroleum-derived or coal tar-derived substances. Samples NAPL D and NAPL E contained several chlorinated benzenes and phthalates at detectable concentrations. Those compounds were not detected in NAPL C.

A review of the TIC lists showed that all three NAPL samples contained substantial amounts of several butylated hydroxytoluene isomers, other alkyl-phenols, and several unidentified compounds. Similar TICs were detected in the soil samples beneath the NAPL samples. Similarly to NAPL F and NAPL B, the data indicate that the soil samples NAPL C SO-1, NAPL D SO-1, and NAPL E SO-1 contained organic residues similar to NAPL C, NAPL D, and NAPL E, respectively.

PCBs in Soil and NAPL Samples

PCBs were detected in all six NAPL samples, as well as the soil beneath the NAPL. Table 2 summarizes the results.

The following observations were made regarding PCBs in the NAPL and soil samples:

1. All six NAPL samples contained PCBs; however, PCBs were detected in the soil beneath only three of the NAPL samples (NAPL C SO-1, NAPL D SO-1, and NAPL E SO-1).

2. There was a weak correlation between the concentrations of PCBs in the NAPL and the soil beneath the NAPL (Figure 2).

3. All six NAPL samples contained a mixture of Aroclors 1248 and 1254, except for NAPL F that contained only Aroclor 1248.

Initial Assessment of NAPL as a Source of PCBs to Soil

The compositions of the soil samples beneath the NAPL samples were examined for similarities and differences. The types and concentrations of PCBs, petroleum hydrocarbons, and other SVOCs were compared.

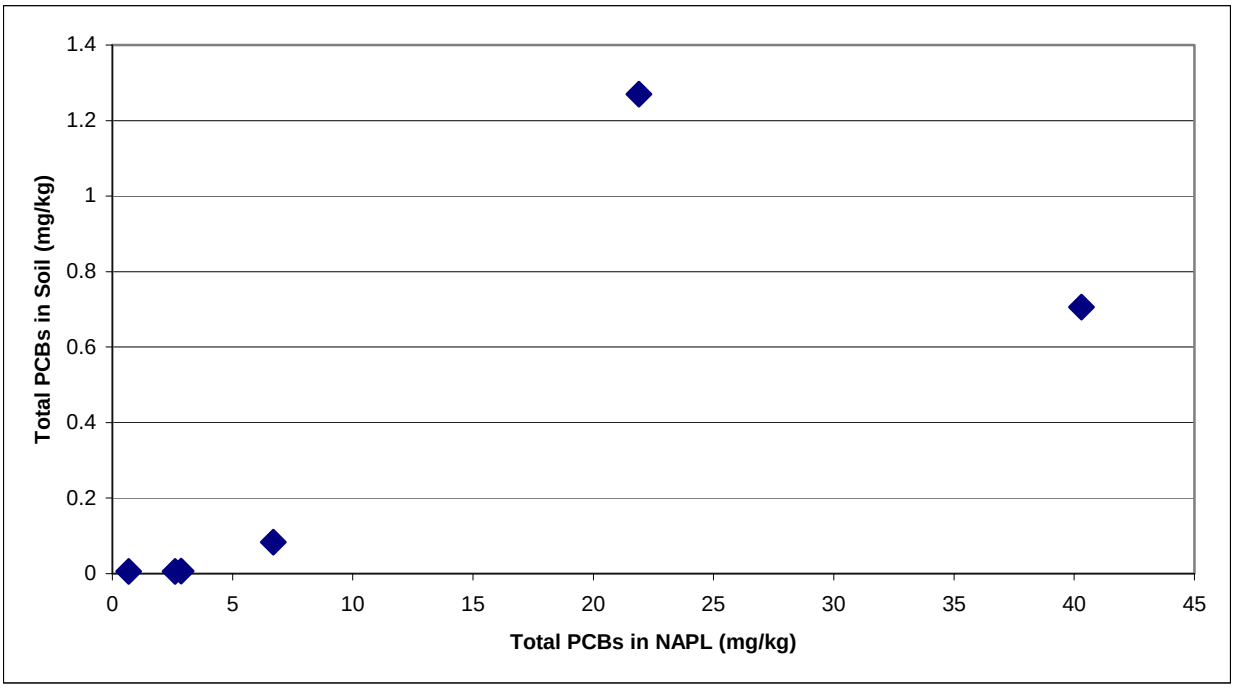
Table 2. Total PCB Results in NAPL and Associated Soil Samples

	PCBs (mg/kg)
NAPL F (A1248)	0.678
Soil beneath NAPL F (NAPL F SO-1)	ND (0.006)
NAPL B (A1248, A1254)	2.86
Soil beneath NAPL B (NAPL B SO-1)	ND (0.007)
NAPL C (A1248, A1254)	6.69
Soil beneath NAPL C (A1248) (NAPL C SO-1)	0.084
NAPL D (A1248, A1254)	21.9
Soil beneath NAPL D (A1248, A1254, A1260) (NAPL D DO-1)	1.27
NAPL E (A1248, A1254)	40.3
Soil beneath NAPL E (A1248, A1254) (NAPL E SO-1)	0.706
DUP061110 (A1248, A1254)	2.61
Soil beneath DUP061110 (DUP061110)	ND (0.006)

PCB results taken from the re-extraction and re-analysis of NAPL F, NAPL B, NAPL C, NAPL D, and DUP061110
Total PCBs is sum of individual Aroclor results
ND – not detected; reporting limits shown in paratheses

For example, the types and concentrations of PCBs in the various soil samples beneath the NAPL samples suggest that the NAPL could be the source of those PCBs; i.e., the Aroclor types are the same or similar and the amount of PCBs in the soil is within a reasonable range of what would be expected by dilution of the NAPL. NAPL B is used as an example as follows:

Figure 2. Total PCBs in NAPL vs. Soil Beneath the NAPL



- NAPL B contained petroleum hydrocarbons consistent with severely weathered crude oil or heavy fuels oils or mixtures of oils. A comparison of the GC/MS chromatograms for NAPL B and NAPL B SO-1 shows very similar chromatograms. Further, the petroleum biomarker compound patterns of these two samples were very similar (Figure 3), suggesting that the petroleum components of the samples were the same.

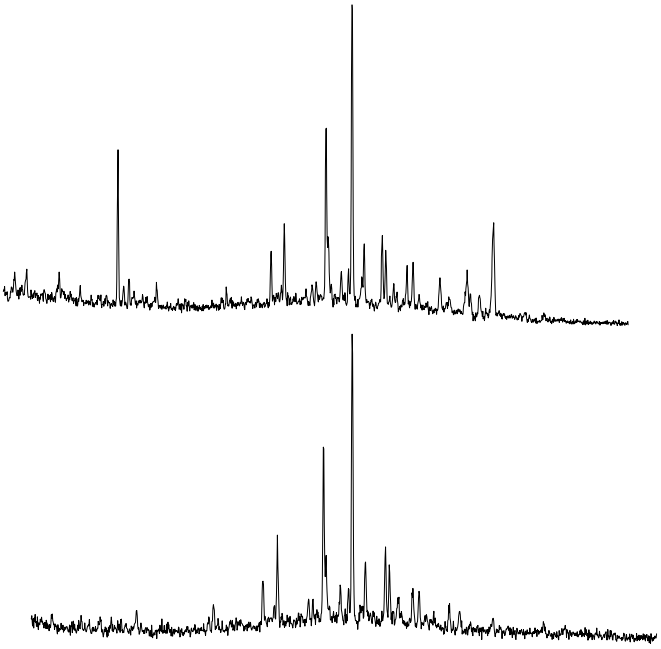
- The total high molecular weight PAH (HPAH) concentration of NAPL B was 306 mg/kg, while the HPAH concentration of NAPL B SO-1 was 2.45 mg/kg. Assuming that the PAHs originated from the NAPL and are not degraded in the soil, then the amount of NAPL B residual in the soil sample was about (2.45/306)*100 = 0.8% of the NAPL amount. The concentration of total PCBs in NAPL B was 2.86 mg/kg. If the soil contained 0.8% of that amount, then the soil concentration would be about 0.02 mg/kg; which is close to the detection limit of the NAPL B SO-1 analysis (0.007 mg/kg).

A similar calculation was done with NAPL E. However, because the soil beneath NAPL E contained no detectable HPAHs, bis(2-ethylhexyl)phthalate (BEHP) was used as a surrogate for NAPL E impact.

- NAPL E contained 569 mg/kg of BEHP while NAPL E SO-1 contained 7.68 mg/kg BEHP. Assuming that all the BEHP originated with NAPL E, then the amount of NAPL E residual in the soil smaples was about (7.68/569)*100 = 1.4% of the NAPL amount. The concentration of total PCBs in NAPL E was 40.3 mg/kg. If the soil contained 1.4% of that amount, then the soil concentration would be about 0.56 mg/kg, which is close to the measured PCB concentration of 0.706 mg/kg.

NAPL D also is consistent with the calculation. The amount of BEHP in NAPL D and NAPL D SO-1 indicates that the soil contains about 7.2% of the NAPL amount. NAPL D contained 21.9 mg/kg total PCBs, 7.2% of which is 1.58 mg/kg, which is very close to the measured concentration (1.27 mg/kg).

Figure 3. Comparison of Petroleum Biomarker Compounds (Ion Trace 191) in NAPL B and NAPL B SO-1



PCBs in Soil Samples

Thirty-one (31) soil samples (including field duplicates) were collected and analyzed for PCBs and PCTs. The results are summarized in Appendix F.

No PCTs were found in any sample.

All samples contained detectable PCBs except HD1 2-2.5, HD10 2-2.5, and HD11 0-0.5.

Aroclor 1248 was detected most frequently and at some of the highest concentrations. However, Aroclor 1254 also was detected frequently. Aroclors 1242 and 1260 were detected in a few samples.

As stated above, the combination of low concentrations, PCB Aroclor mixtures and non-PCB peaks may have biased the PCB Aroclor identifications and concentrations for some samples.

VOCs and SVOCs in Soil Samples

The thirty-one (31) soil samples (including field duplicates) also were analyzed for selected volatile and semivolatile organic compounds. TICs were not determined in the soil samples. The results are summarized in Appendix G.

BEHP and di-n-octylphthalate were most commonly detected and at the highest concentrations. Also detected in many samples were relatively low concentrations of HPAHs. Chlorobenzene and dichlorobenzene were detected in a few samples. The types of compounds detected in the soil samples were similar to those detected in some of the NAPL samples, specifically NAPL E

Definitions

Pyrogenic substances are complex mixtures of primarily hydrocarbons produced from organic matter subjected to high temperatures but with insufficient oxygen for complete combustion. Pyrogenic materials are produced by fires, internal combustion engines, and furnaces. They also are formed when coke or gas are produced from coal or oil. Coal-tar based products, such as roofing, pavement sealers, waterproofing, pesticides, and some shampoos contain pyrogenic materials.

Petrogenic substances include crude oil and crude oil derivatives such as gasoline, heating oil, and asphalt.

References

"Chemical Fingerprinting of Hydrocarbons," in: Introduction to Environmental Forensics. B.L. Murphy and R.D. Morrison editors, Academic Press, San Diego, CA 2002.

Mauro, D.M., "Chemical Source Attribution at former MGP Sites," EPRI Report 1000728, December 2000.

Appendix A

Chain of Custody

META Environmental, Inc.

Sample Receipt Log

Lab ID	Field ID	Matrix	Date Sampled	Date Received	Project #	Container	Comments	Client Name	Project Name
BD100612-01	NAPL F	NAPL	6/11/2010	6/12/2010	E21001-60	1 x 40 mL VOA		EPEC Polymers, Inc	El Paso - NAPL Sampling
BD100612-02	NAPL F SO-1	Soil	6/11/2010	6/12/2010	E21001-60	1 x 2 oz jar		EPEC Polymers, Inc.	El Paso - NAPL Sampling
BD100612-03	NAPL B	NAPL	6/11/2010	6/12/2010	E21001-60	1 x 40 mL VOA		EPEC Polymers, Inc.	El Paso - NAPL Sampling
BD100612-04	NAPL B SO-1	Soil	6/11/2010	6/12/2010	E21001-60	1 x 2 oz jar		EPEC Polymers, Inc.	El Paso - NAPL Sampling
BD100612-05	NAPL C	NAPL	6/11/2010	6/12/2010	E21001-60	1 x 40 mL VOA		EPEC Polymers, Inc.	El Paso - NAPL Sampling
BD100612-06	NAPL C SO-1	Soil	6/11/2010	6/12/2010	E21001-60	1 x 2 oz jar		EPEC Polymers, Inc	El Paso - NAPL Sampling
BD100612-07	NAPL D	NAPL	6/11/2010	6/12/2010	E21001-60	1 x 40 mL VOA		EPEC Polymers, Inc.	El Paso - NAPL Sampling
BD100612-08	NAPL D SO-1	Soil	6/11/2010	6/12/2010	E21001-60	1 x 2 oz jar		EPEC Polymers, Inc.	El Paso - NAPL Sampling
BD100612-09	NAPL E	NAPL	6/11/2010	6/12/2010	E21001-60	1 x 40 mL VOA		EPEC Polymers, Inc.	El Paso - NAPL Sampling
BD100612-10	NAPL E SO-1	Soil	6/11/2010	6/12/2010	E21001-60	1 x 2 oz jar		EPEC Polymers, Inc.	El Paso - NAPL Sampling
BD100612-11	DUP 061110	NAPL	6/11/2010	6/12/2010	E21001-60	1 x 40 ml VOA		EPEC Polymers, Inc	El Paso - NAPL Sampling
BD100612-12	DUP 061110	Soil	6/11/2010	6/12/2010	E21001-60	1 x 2 oz jar		EPEC Polymers, Inc.	El Paso - NAPL Sampling
BD100612-13	FB061110	Water	6/11/2010	6/12/2010	E21001-60	4 x 40 mL VOA		EPEC Polymers, Inc.	El Paso - NAPL Sampling

Logged By: CAM

Date: 6/14/10

Reviewed By

Date: 6/14/10

CHAIN OF CUSTODY RECORD

META Environmental, Inc.
49 Clarendon St. - Watertown, Massachusetts - 02472
Tel (617) 923-4662 - Fax (617) 923-4610 - www.metaenv.com

PROJECT El Paso - NAPL Sampling
CONTACT Carolyn Spinapolice
COMPANY Brown and Caldwell
ADDRESS 110 Commerce Drive
Allendale, NJ 07401
EMAIL CSpinapolice@brwncald.com
PHONE 201-574-4746 **FAX**

Turn Around Time
Standard [X]
If Authorized *
1 Week [ ]
Other [ ] ____

SAMPLED BY
Print Name Nicole Cordia / Carolyn Spinapolice Sign [signature] / Carolyn Spinapolice

Samp #	Date	Time	Field Sample ID	Container Size	G/P	Grab	Composite	# of Containers	Matrix	Preserv.	Parameters: Extended PAH Prof. Method 8270 w/ ASTM D5739	Hydrocarbon Fingerprint Method 8100 w/ META	PCB + PCT	Select VOC + SVOC	SVOC TICs		LAB ID		Comments
	6/11/10	1515	NAPL F	vial		X		1	NAPL	—	X	X	X	X	X		BD100612-	01	*Please
	6/11/10	1515	NAPL F SO-1	2oz		X		1	Soil	—			X	X	X			-02	Freeze +
	6/11/10	1445	NAPL B	vial		X		1	NAPL	—	X	X	X	X	X			-03	hold
	6/11/10	1445	NAPL B SO-1	2oz		X		1	Soil	—			X	X	X			-04	any extra
	6/11/10	1415	NAPL C	vial		X		1	NAPL	—	X	X	X	X	X			-05	volume.*
	6/11/10	1415	NAPL C SO-1	2oz		X		1	Soil	—			X	X	X			-06	
	6/11/10	1400	NAPL D	vial		X		1	NAPL	—	X	X	X	X	X			-07	
	6/11/10	1400	NAPL D SO-1	2oz		X		1	Soil	—			X	X	X			-08	
	6/11/10	1300	NAPL E	vial		X		1	NAPL	—	X	X	X	X	X			-09	
	6/11/10	1300	NAPL E SO-1	2oz		X		1	Soil	—			X	X	X			-10	
	6/11/10	9999	DUP061110	vial/2oz		X		2	NAPL/Soil	—	X	X	X	X	X			-11 -12	= NAPL = SOIL
	6/11/10	1550	FB061110	vial		X		4	Water	—	/		X	X	X			-13	

Relinquished by	Date & Time	Relinquished by	Date & Time	Relinquished by	Date & Time
[signature]	6/11/10 1500				
Received by	**Date & Time**	**Received by**	**Date & Time**	**Received by**	**Date & Time**
[signature]	6/12/10 9:40 AM				

Shipping Info.

Remarks

Temp °C 3.9°C
Ice

* Surcharges may apply

META Environmental, Inc.
Sample Receipt Checklist

Receipt date: 6/12/10

Login date: 6/14/10

Login personnel: CAM

Client Information:.

Company Name: BROWN & CALDWELL

Project Manager: Carolyn Spinapolice

Project Name: El Paso - NAPL Sampling

Shipping Information:

How were samples received? UPS (FedEx) DHL Other:

Number of coolers: 1

Internal temperature of coolers: 5.7°C

Was ice present? (Yes) / No

Note: if cooler is outside the 2-6° range, META's project manager should be notified.

Documentation:

Was a Chain of Custody present? (Yes) / No

Was it signed? (Yes) / No

Was all project information present on the COC? (Yes) / No

Was a bill of lading or shipping label retained? Yes / (No)

Sample Information:

Number of sample containers: 16

Does this match the COC? (Yes) / No

Were all sample containers Intact? (Yes) / No

If no, list samples and problems:

Note: if samples are damaged, META's project manager should be notified.

For aqueous 40ml Voas; was headspace present? Yes / (No) / NA

Comments:

Custodian: CAM

Project Manager: [signature]

META Environmental, Inc.

Sample Receipt Log

Lab ID	Field ID	Matrix	Date Sampled	Date Received	Project #	Container	Comments	Client Name	Project Name
BD100616-01	CD-05-0-0.5	Soil	6/15/2010	6/16/2010	E21001-60	1 x 2 oz jar		EPEC Polymers, Inc.	El Paso - Soil & Drainage Sampling
BD100616-02	CD-05-1 0-1.5	Soil	6/15/2010	6/16/2010	E21001-60	1 x 2 oz jar		EPEC Polymers, Inc.	El Paso - Soil & Drainage Sampling
BD100616-03	B9-5E-0-0.5	Soil	6/15/2010	6/16/2010	E21001-60	1 x 2 oz jar		EPEC Polymers, Inc.	El Paso - Soil & Drainage Sampling
BD100616-04	B9-5E-1.0-1.5	Soil	6/15/2010	6/16/2010	E21001-60	1 x 2 oz jar		EPEC Polymers, Inc.	El Paso - Soil & Drainage Sampling
BD100616-05	B17-0-0 5	Soil	6/15/2010	6/16/2010	E21001-60	1 x 2 oz jar		EPEC Polymers, Inc.	El Paso - Soil & Drainage Sampling
BD100616-06	B17-1.0-1.5	Soil	6/15/2010	6/16/2010	E21001-60	3 x 2 oz jar	MS/MSD	EPEC Polymers, Inc.	El Paso - Soil & Drainage Sampling
BD100616-07	2G-0-0.5	Soil	6/15/2010	6/16/2010	E21001-60	1 x 2 oz jar		EPEC Polymers, Inc.	El Paso - Soil & Drainage Sampling
BD100616-08	2G-1 0-1.5	Soil	6/15/2010	6/16/2010	E21001-60	1 x 2 oz jar		EPEC Polymers, Inc.	El Paso - Soil & Drainage Sampling
BD100616-09	1I-0-0.5	Soil	6/15/2010	6/16/2010	E21001-60	1 x 2 oz jar		EPEC Polymers, Inc.	El Paso - Soil & Drainage Sampling
BD100616-10	DUP061510	Soil	6/15/2010	6/16/2010	E21001-60	1 x 2 oz jar		EPEC Polymers, Inc.	El Paso - Soil & Drainage Sampling
BD100616-11	1I-1.0-1 5	Soil	6/15/2010	6/16/2010	E21001-60	1 x 2 oz jar		EPEC Polymers, Inc.	El Paso - Soil & Drainage Sampling
BD100616-12	HD5-0-0.5	Soil	6/15/2010	6/16/2010	E21001-60	1 x 2 oz jar		EPEC Polymers, Inc.	El Paso - Soil & Drainage Sampling
BD100616-13	HD5-2-2.5	Soil	6/15/2010	6/16/2010	E21001-60	1 x 2 oz jar		EPEC Polymers, Inc.	El Paso - Soil & Drainage Sampling
BD100616-14	HD6-0-0.5	Soil	6/15/2010	6/16/2010	E21001-60	1 x 2 oz jar		EPEC Polymers, Inc.	El Paso - Soil & Drainage Sampling
BD100616-15	HD6-2-2.5	Soil	6/15/2010	6/16/2010	E21001-60	3 x 2 oz jar	MS/MSD	EPEC Polymers, Inc.	El Paso - Soil & Drainage Sampling
BD100616-16	HD7-0-0.5	Soil	6/15/2010	6/16/2010	E21001-60	1 x 2 oz jar		EPEC Polymers, Inc.	El Paso - Soil & Drainage Sampling
BD100616-17	HD7-2-2.5	Soil	6/15/2010	6/16/2010	E21001-60	1 x 2 oz jar		EPEC Polymers, Inc.	El Paso - Soil & Drainage Sampling
BD100616-18	HD8-0-0 5	Soil	6/15/2010	6/16/2010	E21001-60	1 x 2 oz jar		EPEC Polymers, Inc.	El Paso - Soil & Drainage Sampling
BD100616-19	HD8-2-2.5	Soil	6/15/2010	6/16/2010	E21001-60	1 x 2 oz jar		EPEC Polymers, Inc.	El Paso - Soil & Drainage Sampling
BD100616-20	HD2-0-0.5	Soil	6/15/2010	6/16/2010	E21001-60	1 x 2 oz jar		EPEC Polymers, Inc.	El Paso - Soil & Drainage Sampling
BD100616-21	HD2-2-2.5	Soil	6/15/2010	6/16/2010	E21001-60	1 x 2 oz jar		EPEC Polymers, Inc.	El Paso - Soil & Drainage Sampling
BD100616-22	HD1-0-0.5	Soil	6/15/2010	6/16/2010	E21001-60	1 x 2 oz jar		EPEC Polymers, Inc.	El Paso - Soil & Drainage Sampling
BD100616-23	HD1-2-2 5	Soil	6/15/2010	6/16/2010	E21001-60	1 x 2 oz jar		EPEC Polymers, Inc.	El Paso - Soil & Drainage Sampling
BD100616-24	HD9-2-2.5	Soil	6/15/2010	6/16/2010	E21001-60	1 x 2 oz jar		EPEC Polymers, Inc.	El Paso - Soil & Drainage Sampling
BD100616-25	HD9-0-0 5	Soil	6/15/2010	6/16/2010	E21001-60	1 x 2 oz jar		EPEC Polymers, Inc.	El Paso - Soil & Drainage Sampling
BD100616-26	HD10-0-0.5	Soil	6/15/2010	6/16/2010	E21001-60	1 x 2 oz jar		EPEC Polymers, Inc.	El Paso - Soil & Drainage Sampling
BD100616-27	HD10-2-2.5	Soil	6/15/2010	6/16/2010	E21001-60	1 x 2 oz jar		EPEC Polymers, Inc	El Paso - Soil & Drainage Sampling
BD100616-28	FB061510	Water	6/15/2010	6/16/2010	E21001-60	4 x 40 mL VOA		EPEC Polymers, Inc	El Paso - Soil & Drainage Sampling

Logged By: CAM

Date: 6/16/10

Reviewed By: [signature]

Date: 6/16/10

CHAIN OF CUSTODY RECORD

META Environmental, Inc.
49 Clarendon St. - Watertown, Massachusetts - 02472
Tel (617) 923-4662 - Fax (617) 923-4610 - www.metaenv.com

PROJECT El Paso- Soil & Drainage Sampling
CONTACT Carolyn Spinapolice
COMPANY Brown and Caldwell
ADDRESS 110 Commerce Dr.
Allendale NJ 07401
EMAIL espinapolice@brwncald.com
PHONE 201-574-4796 **FAX** 201-236-1607
SAMPLED BY
Print Name CAM/MJS Sign

Turn Around Time
Standard [X]
If Authorized *
1 Week [ ]
Other [ ]

Parameters

Samp #	Date	Time	Field Sample ID	Container Size	Container G/P	Grab	Composite	# of Containers	Matrix	Preserv.	PCB, PCT 8082	Select SVOC/VOC	SVOC-TICS							Comments
	6/15/10	9:06	CD-05-0-0.5	2oz		X		1	SO	—	X	X	X							BD100616-01
	6/15/10	9:00	CD-05-1.0-1.5	2oz		X		1	SO	—	X	X	X							-02
	6/15/10	9:15	B9-5E-0-0.5	2oz		X		1	SO	—	X	X	X							-03
	6/15/10	9:15	B9-5E 1.0-1.5	2oz		X		1	SO	—	X	X	X							-04
	6/15/10	9:45	B17-0-0.5	2oz		X		1	SO	—	X	X	X							-05
	6/15/10	9:45	B17-1.0-1.5	2oz		X		3	SO	—	X	X	X							MS/MSD -06
	6/15/10	10:16	2G-0-0.5	2oz		X		1	SO	—	X	X	X							-07
	6/15/10	10:10	2G-1.0-1.5	2oz		X		1	SO	—	X	X	X							-08
	6/15/10	10:45	1I-0-0.5	2oz		X		1	SO	—	X	X	X							-09
	6/15/10	99:99	DUP 061510	2oz		X		1	SO	—	X	X	X							-10
	6/15/10	10:45	1I-1.0-1.5	2oz		X		1	SO	—	X	X	X							-11
	6/15/10	11:45	HD5-0-0.5	2oz		X		1	SO	—	X	X	X							-12
	6/15/10	11:45	HD5-2-2.5	2oz		X		1	SO	—	X	X	X							-13
	6/15/10	12:30	HD6-0-0.5	2oz		X		1	SO	—	X	X	X							-14
	6/15/10	12:30	HD6-2-2.5	2oz		X		3	SO	—	X	X	X							MS/MSD -15

Relinquished by	Date & Time	Relinquished by	Date & Time	Relinquished by	Date & Time
	6/15/10 17:00				
Received by	**Date & Time**	**Received by**	**Date & Time**	**Received by**	**Date & Time**
Carrie McDonough	6/16/10 11AM				

Shipping Info.

Remarks
(*) Please FREEZE and hold any extra sample volume (*)

Temp °C 6.3

* Surcharges may apply

CHAIN OF CUSTODY RECORD

Privileged and Confidential
Prepared Under the Direction of Counsel

META Environmental, Inc.
49 Clarendon St. - Watertown, Massachusetts - 02472
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PROJECT El Paso - Soil & Drainage Sampling
CONTACT Carolyn Spinapolize
COMPANY Brown and Caldwell
ADDRESS 110 Commerce Dr.
Allendale, NJ 07401
EMAIL cspinapolize@brwncald.com
PHONE 201-574-4746 **FAX** 201-236-1607
SAMPLED BY
Print Name CM/TMT Sign

Turn Around Time
Standard [X]
If Authorized *
1 Week [ ]
Other [ ]

Samp #	Date	Time	Field Sample ID	Container Size	Container G/P	Grab	Composite	# of Containers	Matrix	Preserv.	Parameters: PCB, PCT 8082	Parameters: Selected SVOC/VOC	Parameters: SVOC TICs	Comments
	6/15/10	~~13~~:00	HD7 - 0 - 0.5	2oz		X		1	SO	—	X	X	X	BD100610-16
	6/15/10	13:00	HD7 - 2 - 2.5	2oz		X		1	SO	—	X	X	X	-17
	6/15/10	13:45	HD8 - 0 - 0.5	2oz		X		1	SO	—	X	X	X	-18
	6/15/10	13:45	HD8 - 2 - 2.5	2oz		X		1	SO	—	X	X	X	-19
	6/15/10	14:30	HD2 - 0 - 0.5	2oz		X		1	SO	—	X	X	X	-20
	6/15/10	14:30	HD2 - 2 - 2.5	2oz		X		1	SO	—	X	X	X	-21
	6/15/10	15:00	HD1 - 0 - 0.5	2oz		X		1	SO	—	X	X	X	-22
	6/15/10	15:00	HD1 - 2 - 2.5	2oz		X		1	SO	—	X	X	X	-23
~~—~~	~~6/15/10~~	~~15:45~~	~~HD3 - 0 - 0.5~~	~~2oz~~		~~X~~		~~1~~	~~SO~~	—	~~X~~	~~X~~	~~X~~	~~—~~
	6/15/10	16:00	HD9 - 2 - 2.5	2oz		X		1	SO	—	X	X	X	-24
	6/15/10	16:00	HD9 - 0 - 0.5	2oz		X		1	SO	—	X	X	X	-25
	6/15/10	16:15	HD10 - 0 - 0.5	2oz		X		1	SO	—	X	X	X	-26
	6/15/10	16:15	HD10 - 2 - 2.5	2oz		X		1	SO	—	X	X	X	-27
	6/15/10	16:30	FB060510	4vial		X		4	W	—	X	X	X	-28

Relinquished by	Date & Time	Relinquished by	Date & Time	Relinquished by	Date & Time
	6/15/10 17:00				
Received by	**Date & Time**	**Received by**	**Date & Time**	**Received by**	**Date & Time**
Carrie McDonough	6/16/10 11AM				

Shipping Info.

Remarks
(Y) Please FREEZE and hold any extra sample volume (Y)
Temp °C 6.3
* Surcharges may apply

META Environmental, Inc.
Sample Receipt Checklist

Receipt date: 6/10/10

Login date: 6/10/10

Login personnel: CAM

Client Information:.

Company Name: ~~EPEC~~ CAM BROWN & CALDWELL (EPEC)

Project Manager: CAROLYN SPINAPOLICE

Project Name: EL PASO - SOIL & DRAINAGE SAMPLING

Shipping Information:

How were samples received? UPS (FedEx) DHL Other:

Number of coolers: 1

Internal temperature of coolers: 6.3° C

Was ice present? (Yes) / No

Note: if cooler is outside the 2-6° range, META's project manager should be notified.

Documentation:

Was a Chain of Custody present? (Yes) / No

Was it signed? (Yes) / No

Was all project information present on the COC? (Yes) / No

Was a bill of lading or shipping label retained? (Yes) / No

Sample Information:

Number of sample containers: 35

Does this match the COC? (Yes) / No

Were all sample containers Intact? (Yes) / No

If no, list samples and problems:

Note: if samples are damaged, META's project manager should be notified.

For aqueous 40ml Voas; was headspace present? Yes / (No) / NA

Comments:

Custodian: CAM

Project Manager: [signature]

META Environmental, Inc.

Sample Receipt Log

Lab ID	Field ID	Matrix	Date Sampled	Date Received	Project #	Container	Comments	Client Name	Project Name
BD100705-01	HD-12(0-0.5)	Soil	7/2/2010	7/3/2010	E21001-60	1 x 2 oz jar		EPEC Polymers, Inc	El Paso - Soil & Drainage Sampling
BD100705-02	HD-12(2-2.5)	Soil	7/2/2010	7/3/2010	E21001-60	1 x 2 oz jar		EPEC Polymers, Inc.	El Paso - Soil & Drainage Sampling
BD100705-03	HD-11(0-0.5)	Soil	7/2/2010	7/3/2010	E21001-60	1 x 2 oz jar		EPEC Polymers, Inc.	El Paso - Soil & Drainage Sampling
BD100705-04	HD-11(2-2.5)	Soil	7/2/2010	7/3/2010	E21001-60	1 x 2 oz jar		EPEC Polymers, Inc.	El Paso - Soil & Drainage Sampling
BD100705-05	FB070210	Water	7/2/2010	7/3/2010	E21001-60	1 x 2 oz jar		EPEC Polymers, Inc.	El Paso - Soil & Drainage Sampling

Logged By: CAM

Date: 7/3/10

Reviewed By: JM

Date: 7/8/10

CHAIN OF CUSTODY RECORD

Privileged and Confidential
Prepared Under the Direction of Counsel

META Environmental, Inc.
49 Clarendon St. - Watertown, Massachusetts - 02472
Tel (617) 923-4662 - Fax (617) 923-4610 - www.metaenv.com

PROJECT El Paso - Soil + Drainage Sampling
CONTACT Caralyn Spinapolice
COMPANY Brown + Caldwell
ADDRESS 110 commerce Drive
Allendale NJ 07401
EMAIL cspinapolice@brwncald.com
PHONE 201-574-4746 **FAX** 201-236-1607
SAMPLED BY
Print Name TMJ / JAJ Sign

Turn Around Time	
Standard	X
If Authorized *	
1 Week	
Other	

Samp #	Date	Time	Field Sample ID	Container Size	Container G/P	Grab	Composite	# of Containers	Matrix	Preserv.	Parameters: Pcb, PCT 8082	Select SVOC/VOC	SVOC TICs							Comments
	7/2/10	1055	HD-12 (0-0.5)	2		X		1	SO	—	X	X	X							BD100703-01
	7/2/10	1100	HD-12 (2-2.5)	2		X		1	SO	—	X	X	X							-02
	7/2/10	1130	HD-11 (0-0.5)	2		X		1	SO	—	X	X	X							-03
	7/2/10	1135	HD-11 (2-2.5)	2		X		1	SO	—	X	X	X							-04
	7/2/10	1200	FB0702.10	40mL		X		3	W	—	X	X	X							-05a-c

Relinquished by	Date & Time	Relinquished by	Date & Time	Relinquished by	Date & Time
	7/2/10 1300				
Received by	**Date & Time**	**Received by**	**Date & Time**	**Received by**	**Date & Time**
	7/3/10 10:45 Am				

Shipping Info.

Remarks
* Please Freeze and hold any extra Sample volume

Temp °C 1.0
ice present

* Surcharges may apply

META Environmental, Inc.
Sample Receipt Checklist

Receipt date: 7/3/10

Login date: 7/6/10

Login personnel: CAM

Client Information:.

Company Name: Brown & Caldwell (EPEC)

Project Manager: Carolyn Spinapolice

Project Name: El Paso - Soil and Drainage Sampling

Shipping Information:

How were samples received? UPS (FedEx) DHL Other:

Number of coolers: 1

Internal temperature of coolers: 1.0°C

Was ice present? (Yes) / No

Note: if cooler is outside the 2-6° range, META's project manager should be notified.

Documentation:

Was a Chain of Custody present? (Yes) / No

Was it signed? (Yes) / No

Was all project information present on the COC? (Yes) / No

Was a bill of lading or shipping label retained? (Yes) / No

Sample Information:

Number of sample containers: CAM 4 7

Does this match the COC? (Yes) / No

Were all sample containers Intact? (Yes) / No

If no, list samples and problems:

Note: if samples are damaged, META's project manager should be notified.

For aqueous 40ml Voas; was headspace present? Yes / (No) / NA

Comments:

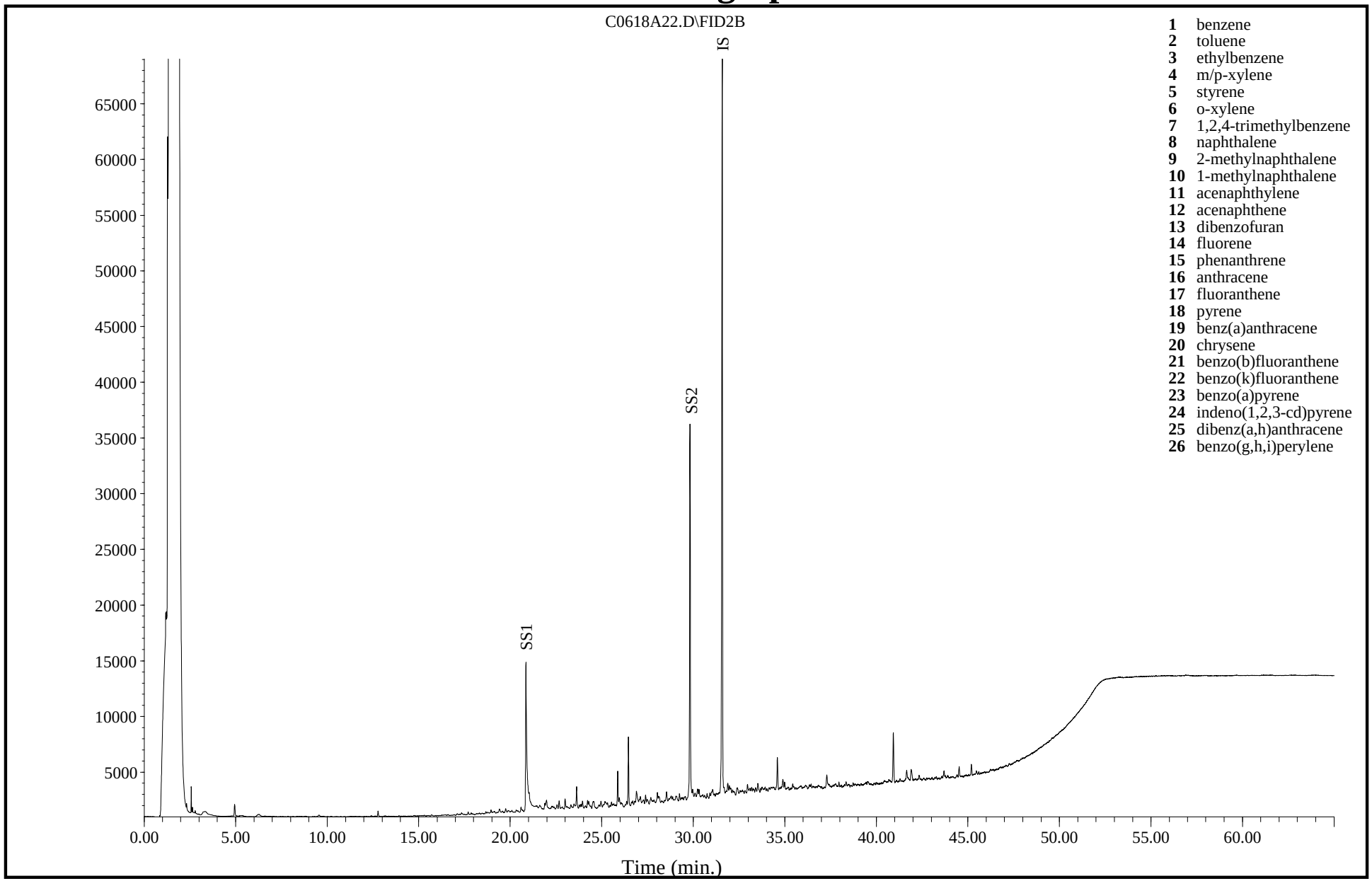
Custodian: Cerrie McDonough

Project Manager: James A

Appendix B

GC/FID Fingerprints

GC/FID Fingerprint

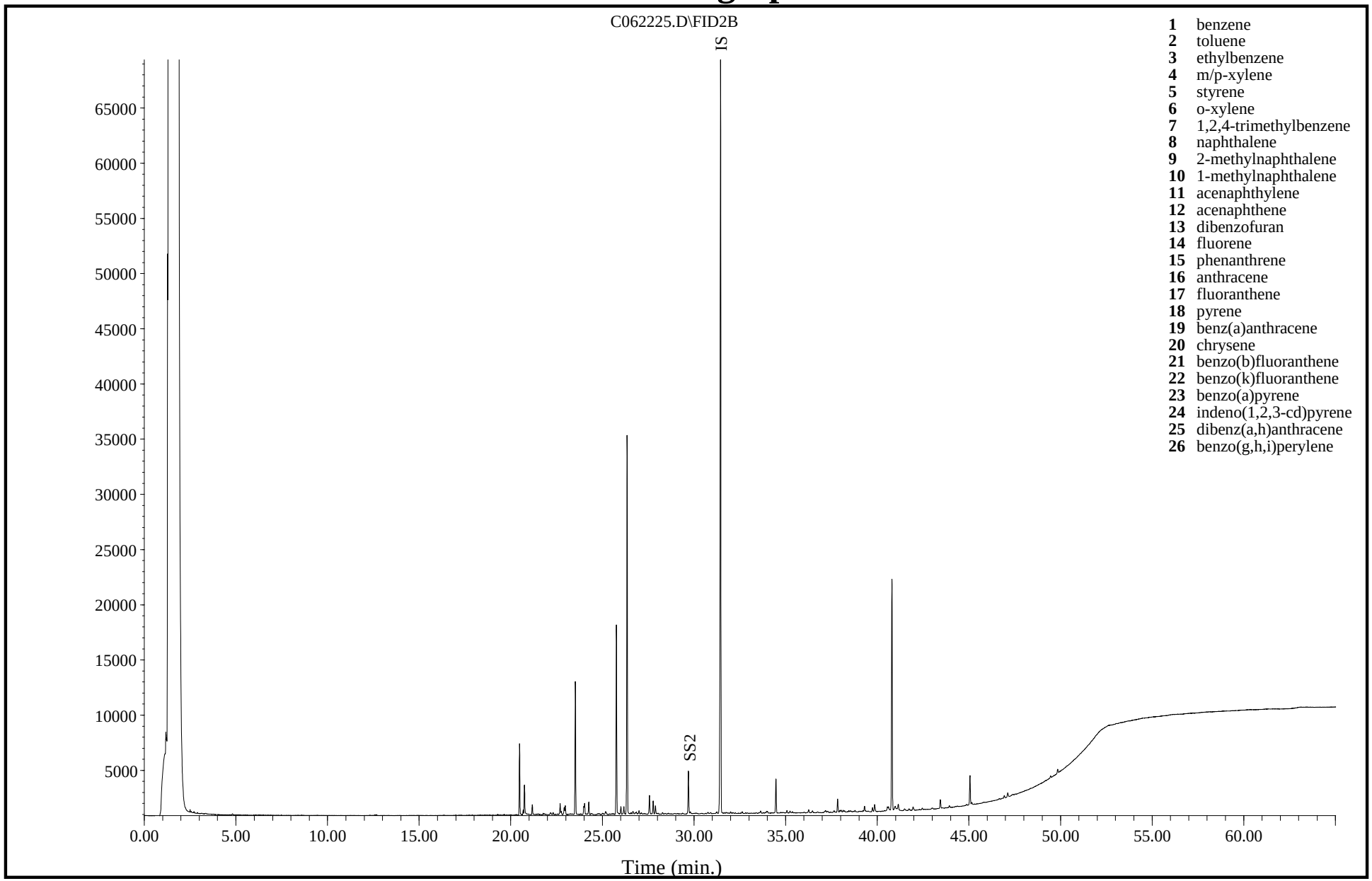


Extraction Date: 6/15/2010
Analysis Date: 06/19/2010

IS – 5a-androstane
SS1 – 2-fluorobiphenyl
SS2 – o-terphenyl

Field ID: **NAPL B**
Laboratory ID: BD100612-03
Method: EPA 8100M

GC/FID Fingerprint

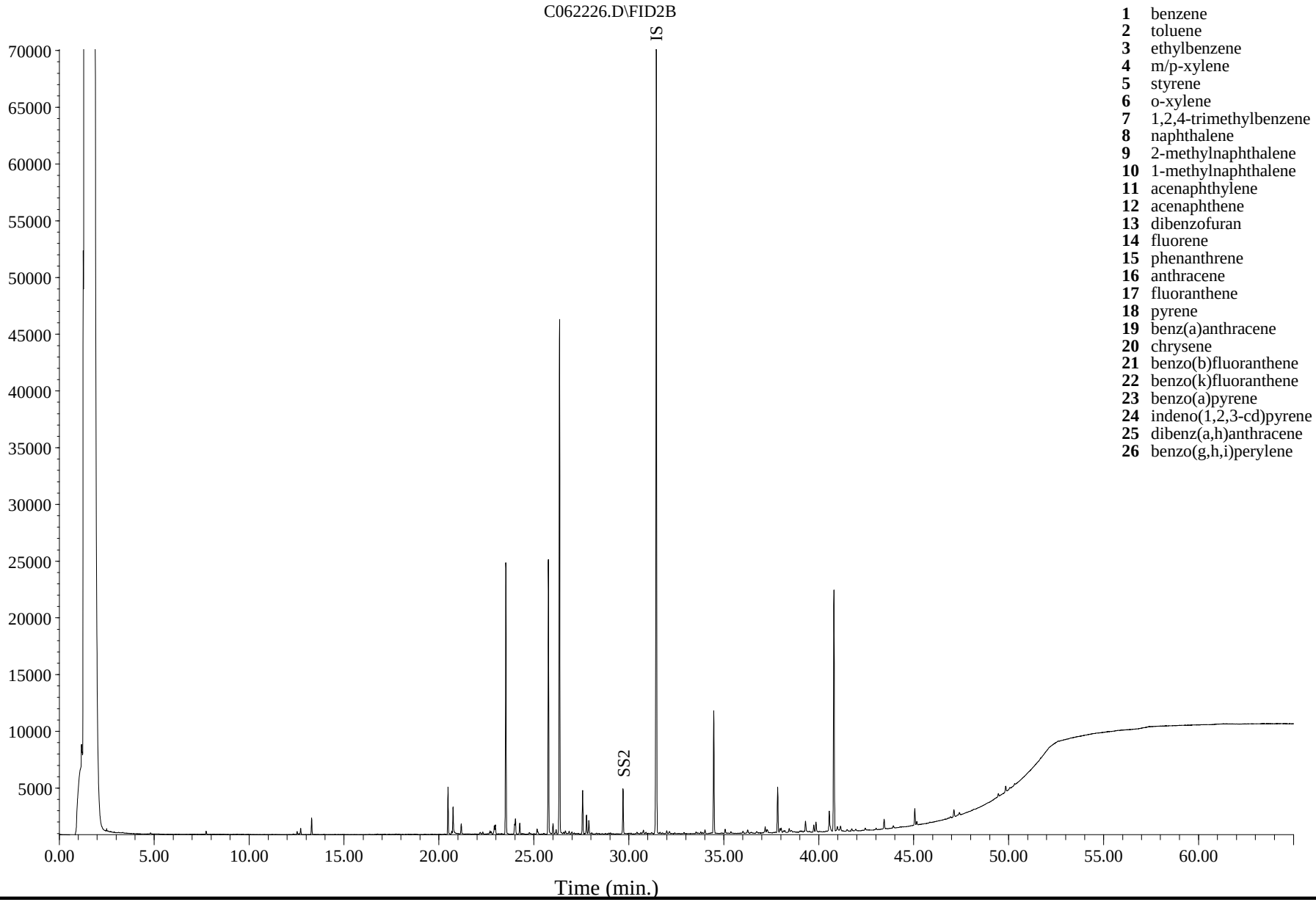


Extraction Date: 6/15/2010
Analysis Date: 06/24/2010

IS – 5a-androstane
SS1 – 2-fluorobiphenyl
SS2 – o-terphenyl

Field ID: **NAPL C**
Laboratory ID: BD100612-05-D
Method: EPA 8100M

GC/FID Fingerprint

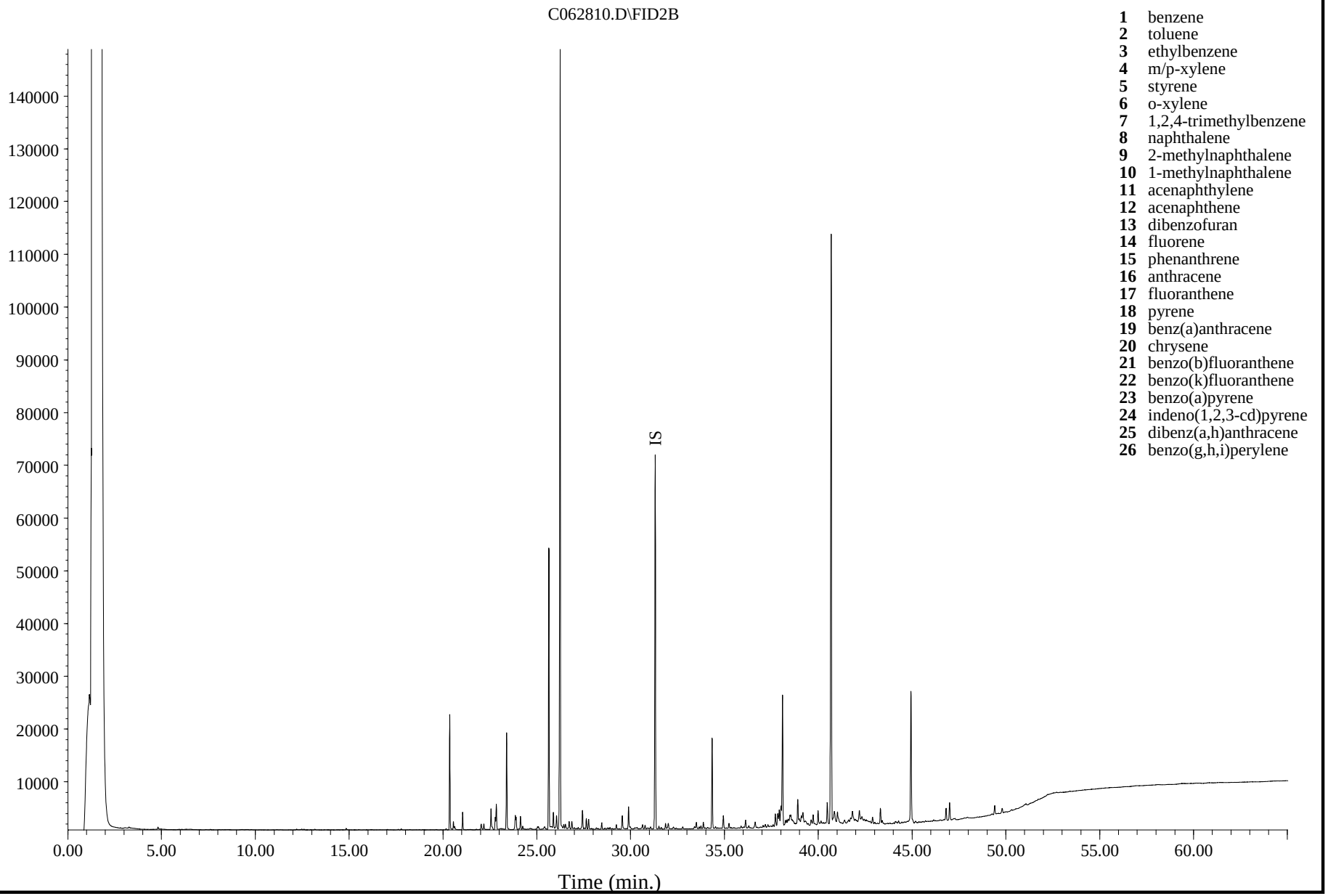


Extraction Date: 6/15/2010
Analysis Date: 06/24/2010

IS – 5a-androstane
SS1 – 2-fluorobiphenyl
SS2 – o-terphenyl

Field ID: **NAPL D**
Laboratory ID: BD100612-07-D
Method: EPA 8100M

GC/FID Fingerprint

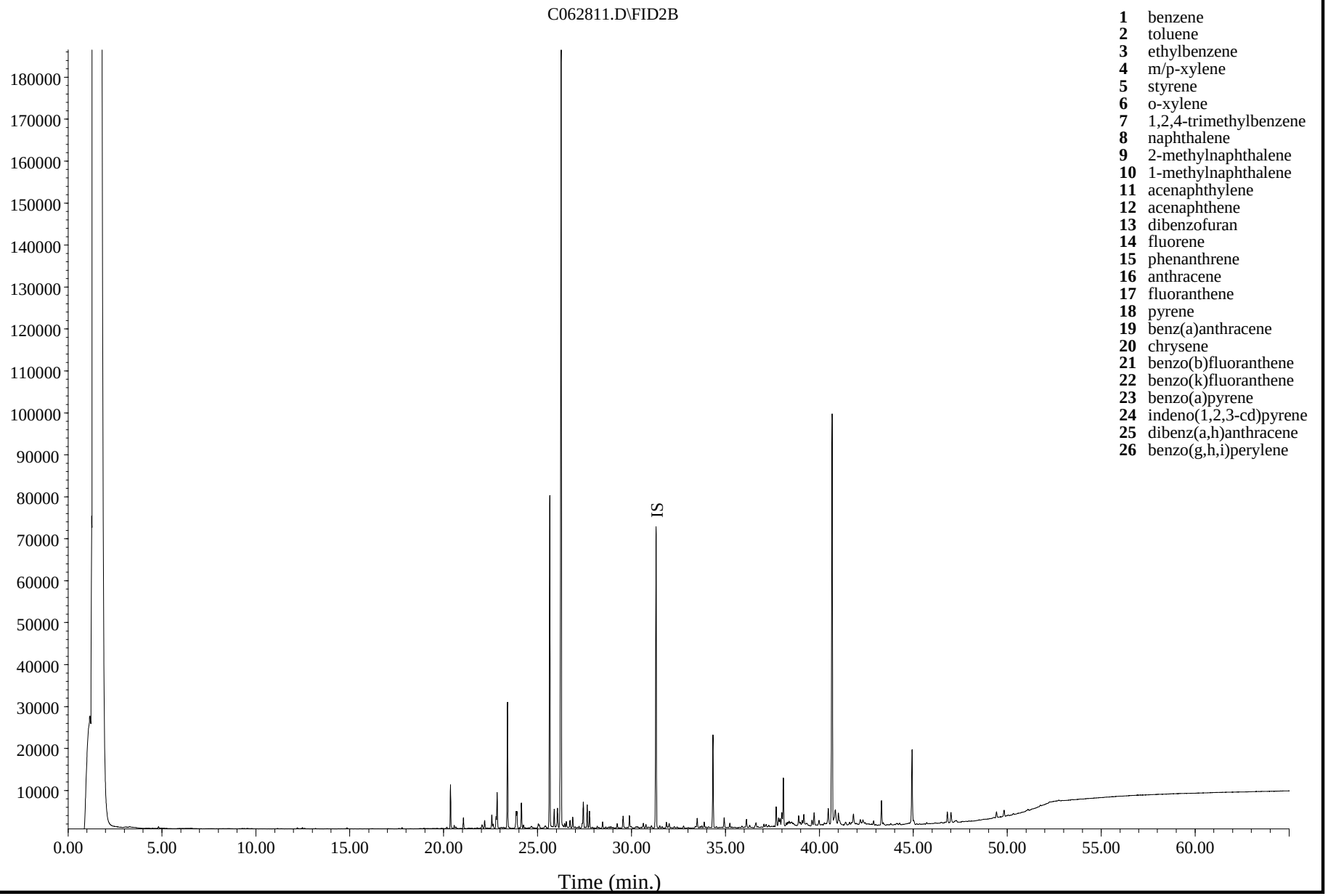


Extraction Date: 06/15/2010
Analysis Date: 06/29/2010

IS – 5a-androstane
SS1 – 2-fluorobiphenyl
SS2 – o-terphenyl

Field ID: **NAPL E**
Laboratory ID: BD100612-09-D3
Method: EPA 8100M

GC/FID Fingerprint



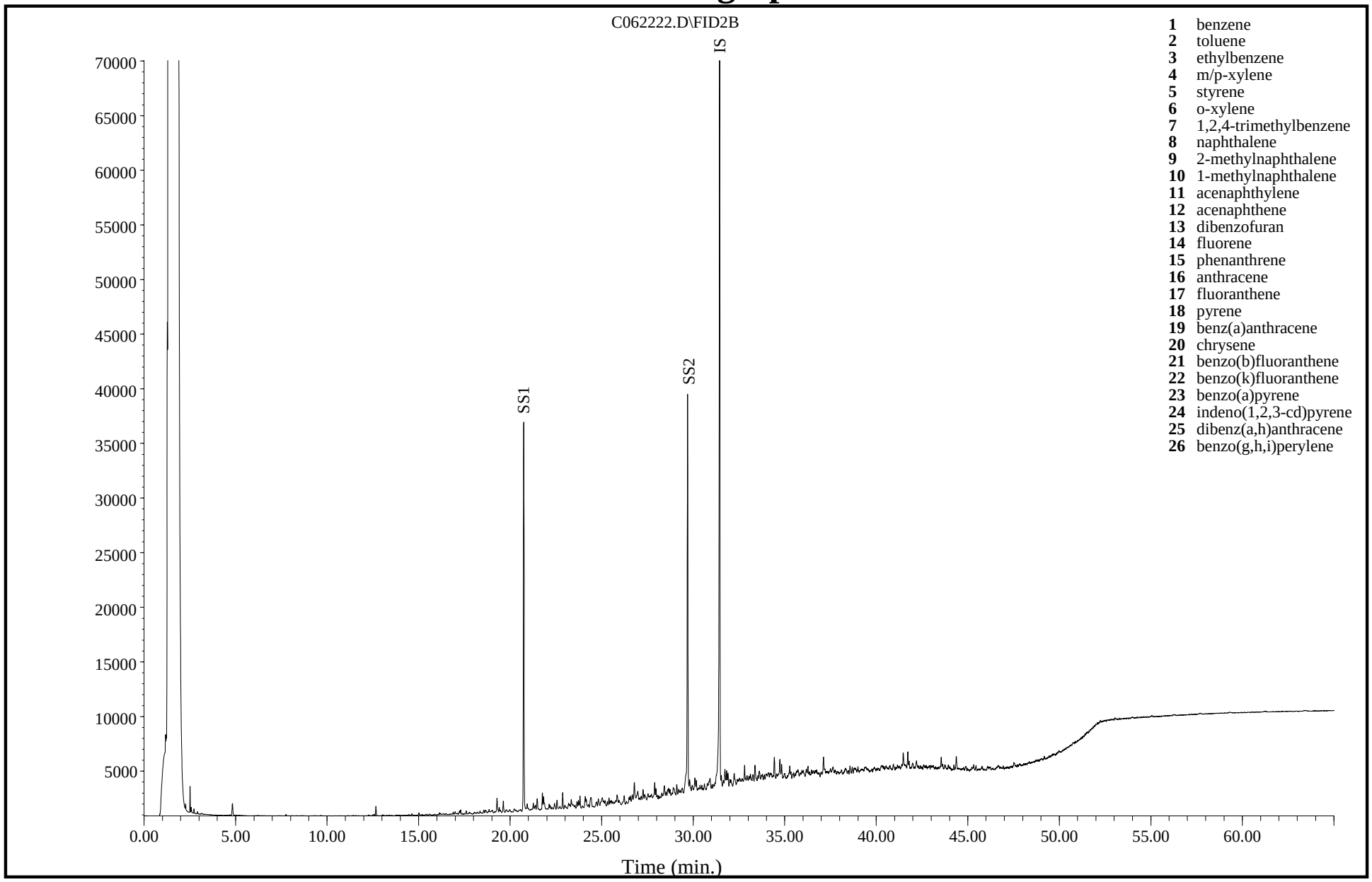
Extraction Date: 06/15/2010
Analysis Date: 06/29/2010

IS – 5a-androstane
SS1 – 2-fluorobiphenyl
SS2 – o-terphenyl

Field ID: **NAPL E**
Laboratory ID: BD100612-09DUP-D3
Method: EPA 8100M

META

GC/FID Fingerprint

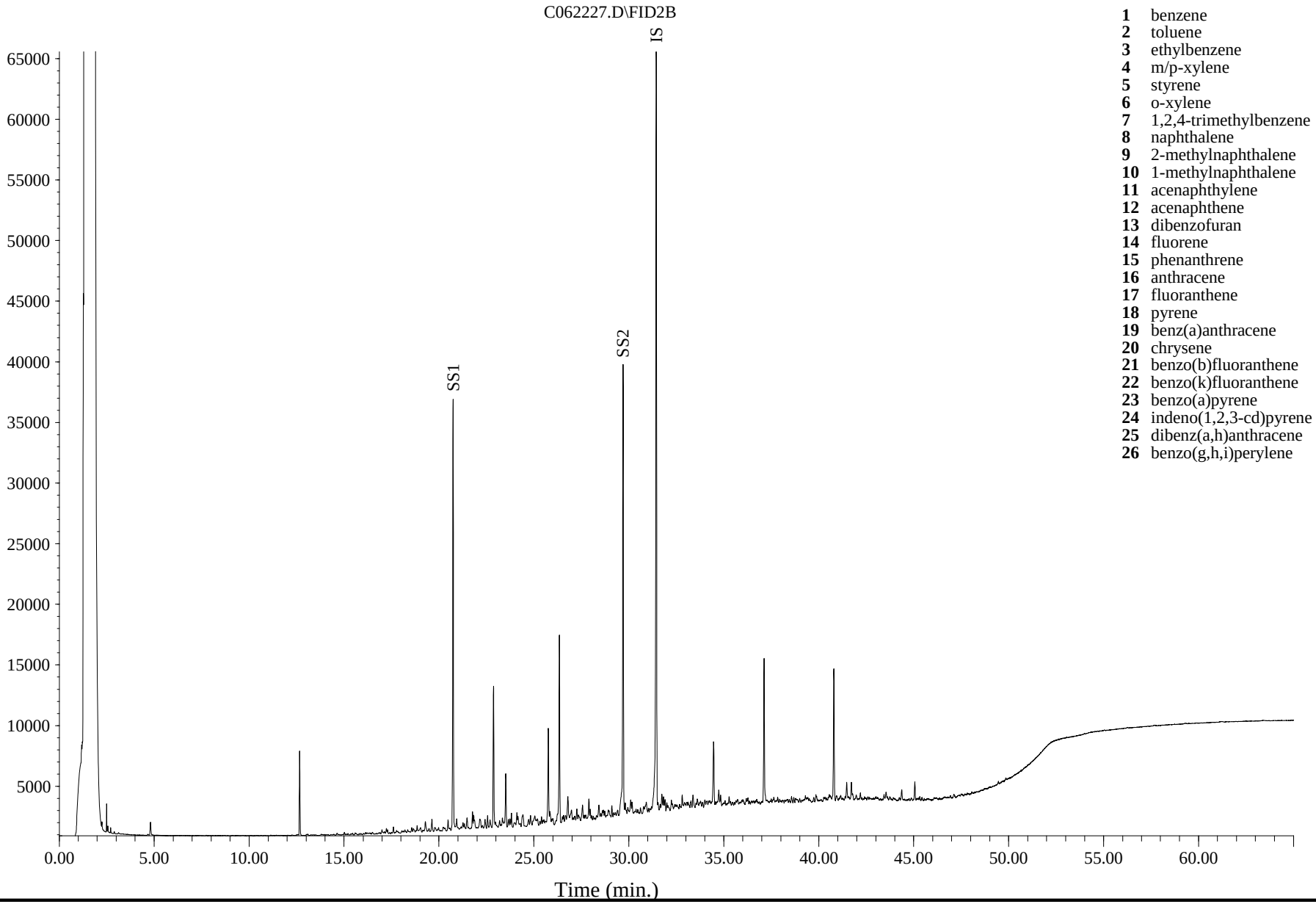


Extraction Date: 6/15/2010
Analysis Date: 06/23/2010

IS – 5a-androstane
SS1 – 2-fluorobiphenyl
SS2 – o-terphenyl

Field ID: **NAPL F**
Laboratory ID: BD100612-01
Method: EPA 8100M

GC/FID Fingerprint

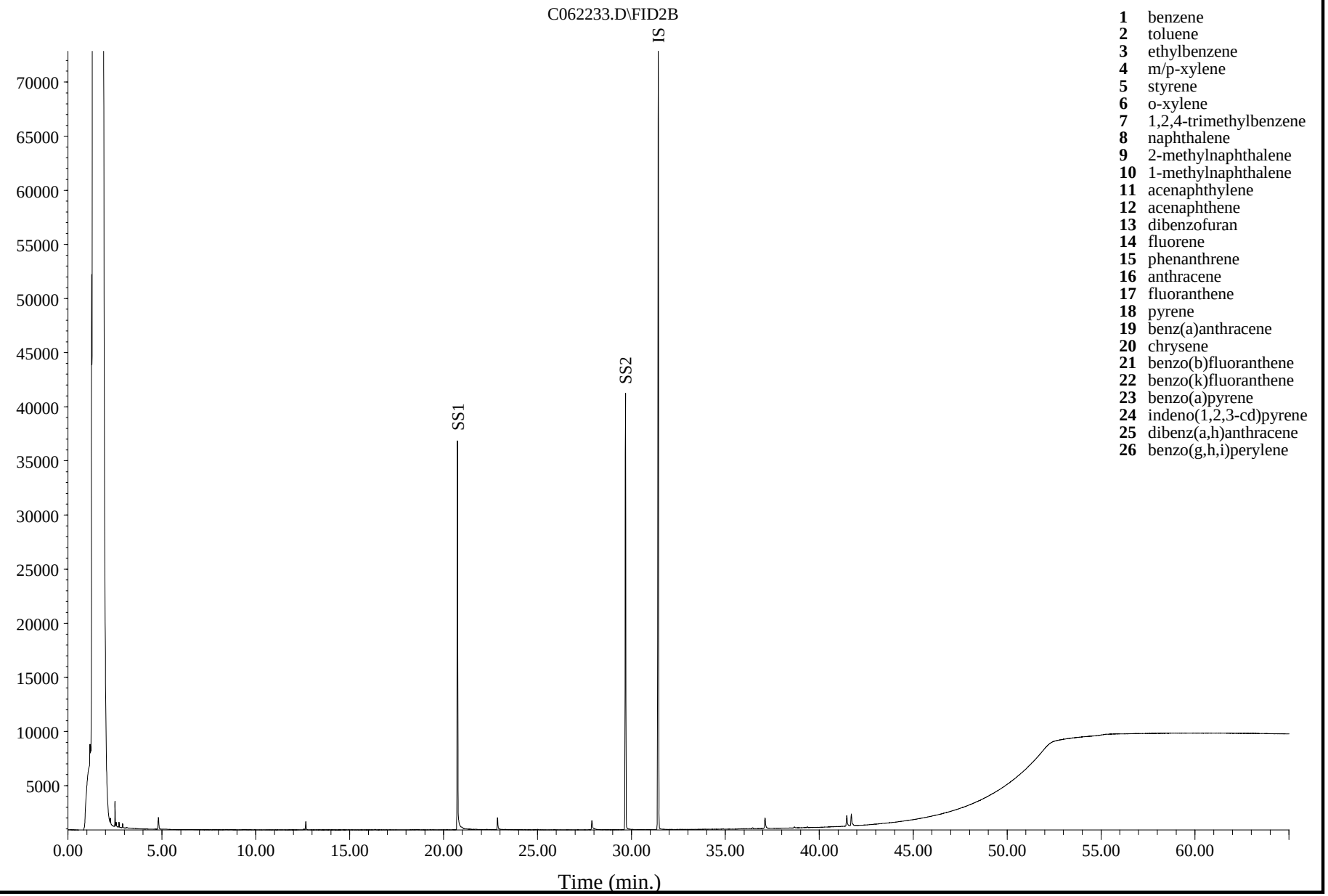


Extraction Date: 6/15/2010
Analysis Date: 06/24/2010

IS – 5a-androstane
SS1 – 2-fluorobiphenyl
SS2 – o-terphenyl

Field ID: **DUP 061110**
Laboratory ID: BD100612-11
Method: EPA 8100M

GC/FID Fingerprint

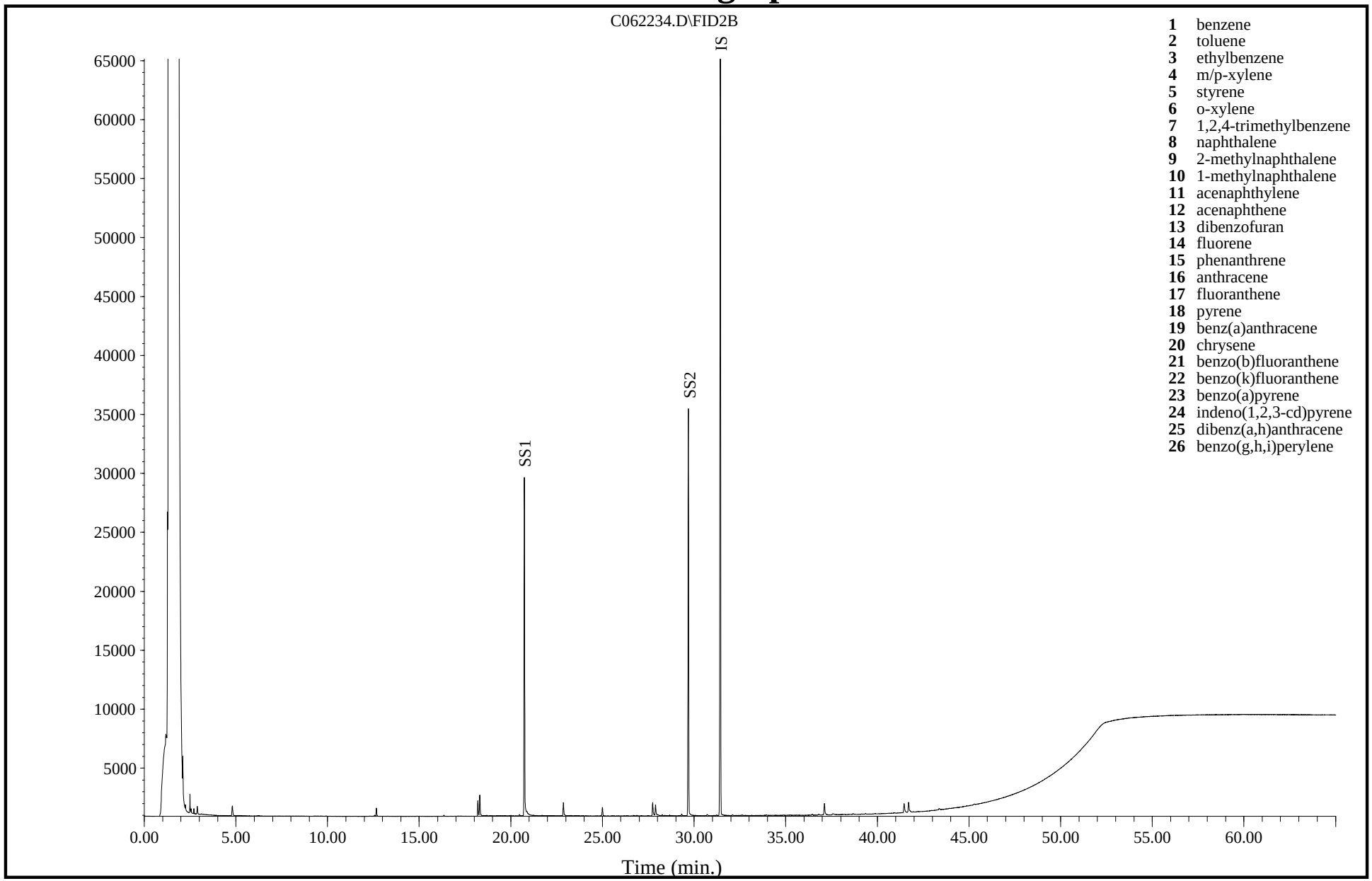


Extraction Date: 06/15/2010
Analysis Date: 06/24/2010

IS – 5a-androstane
SS1 – 2-fluorobiphenyl
SS2 – o-terphenyl

Field ID:	**Method Blank**
Laboratory ID:	QC100615-MB
Method:	EPA 8100M

GC/FID Fingerprint

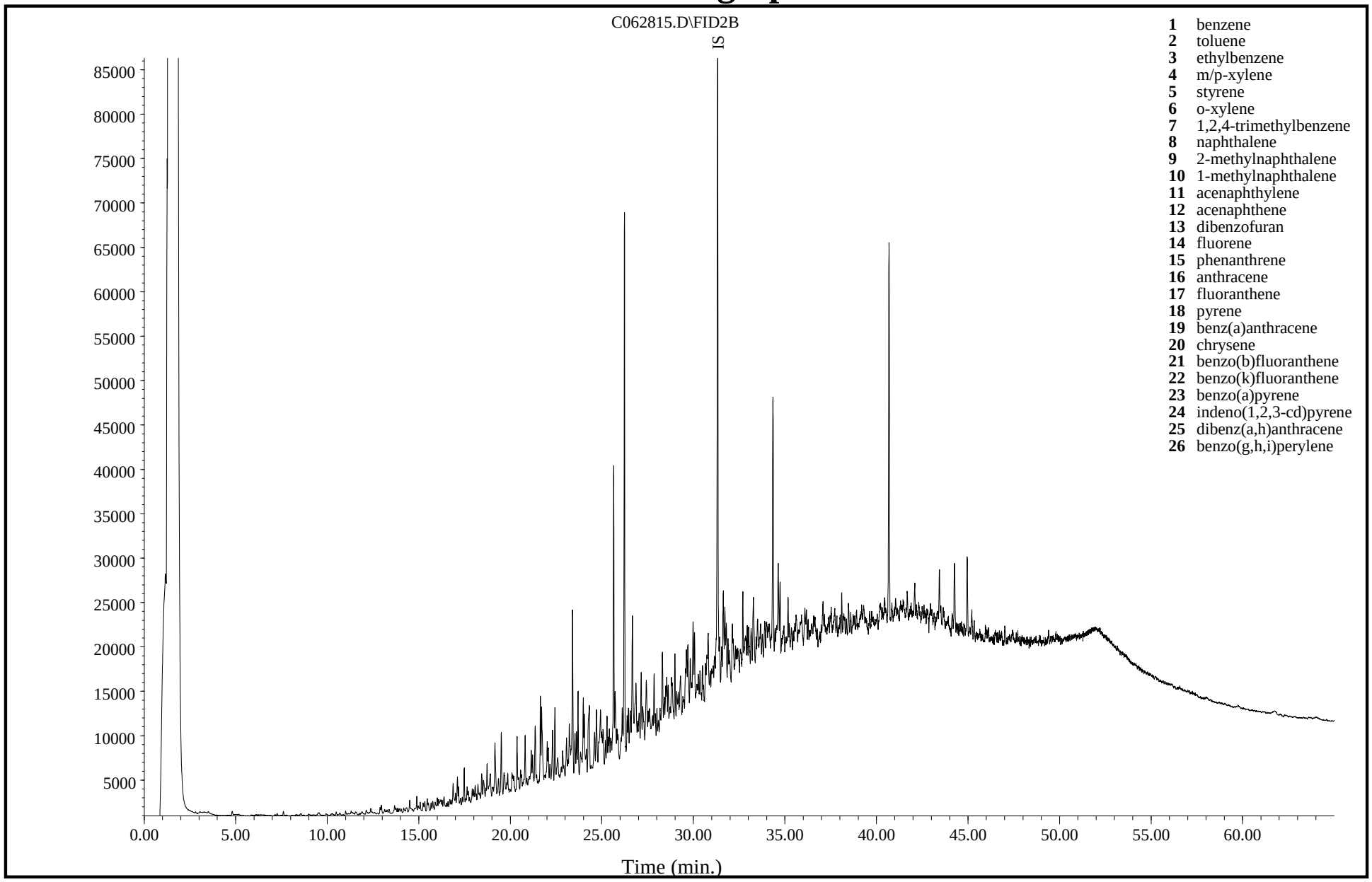


Extraction Date: 06/15/2010
Analysis Date: 06/24/2010

IS – 5a-androstane
SS1 – 2-fluorobiphenyl
SS2 – o-terphenyl

Field ID: **Soil Blank**
Laboratory ID: QC100615-SB
Method: EPA 8100M

GC/FID Fingerprint



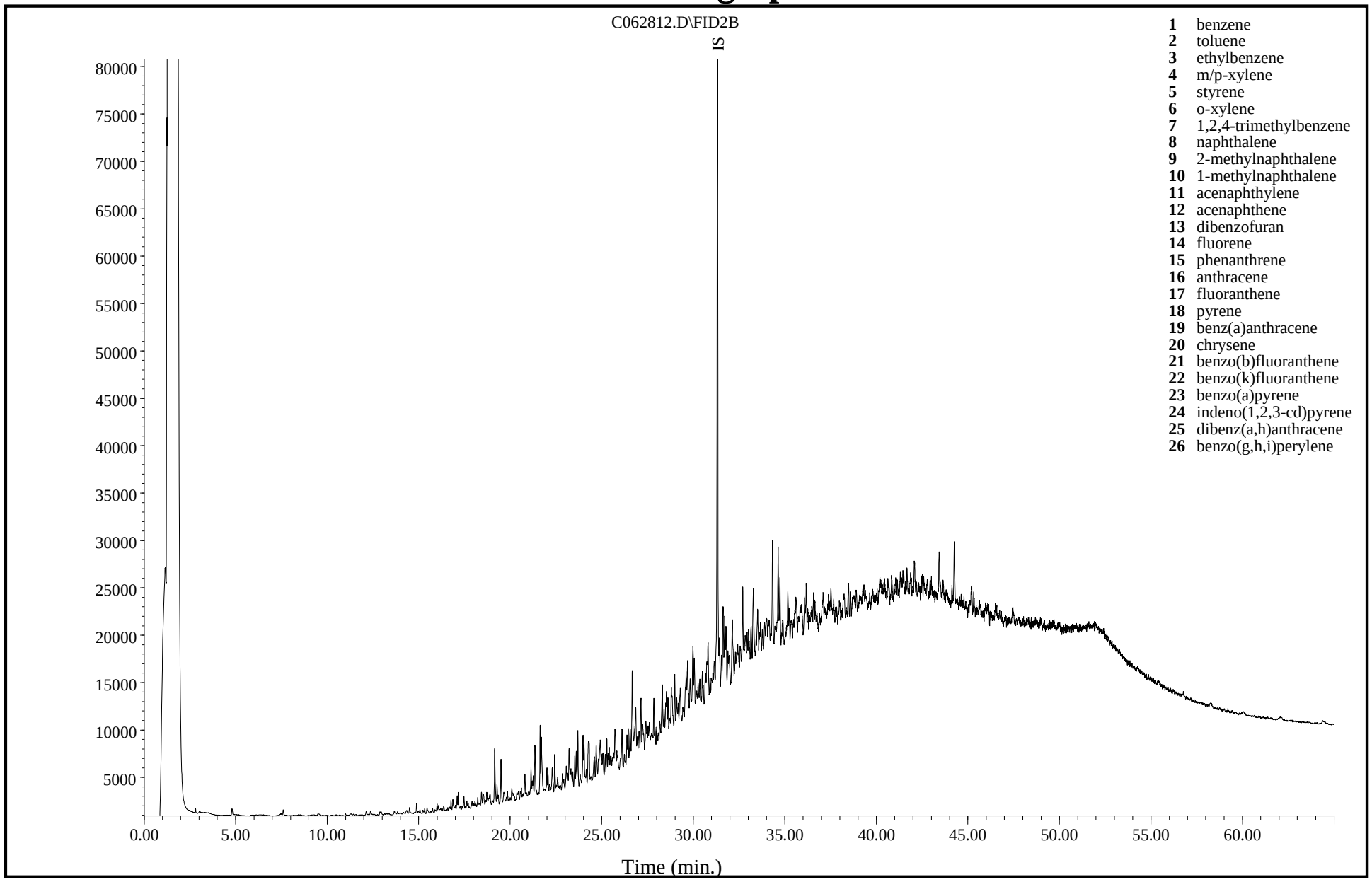
Extraction Date: 6/23/2010
Analysis Date: 06/29/2010

IS – 5a-androstane
SS1 – 2-fluorobiphenyl
SS2 – o-terphenyl

Field ID: **NAPL B**
Laboratory ID: BD100612-03-1-D
Method: EPA 8100M

META

GC/FID Fingerprint

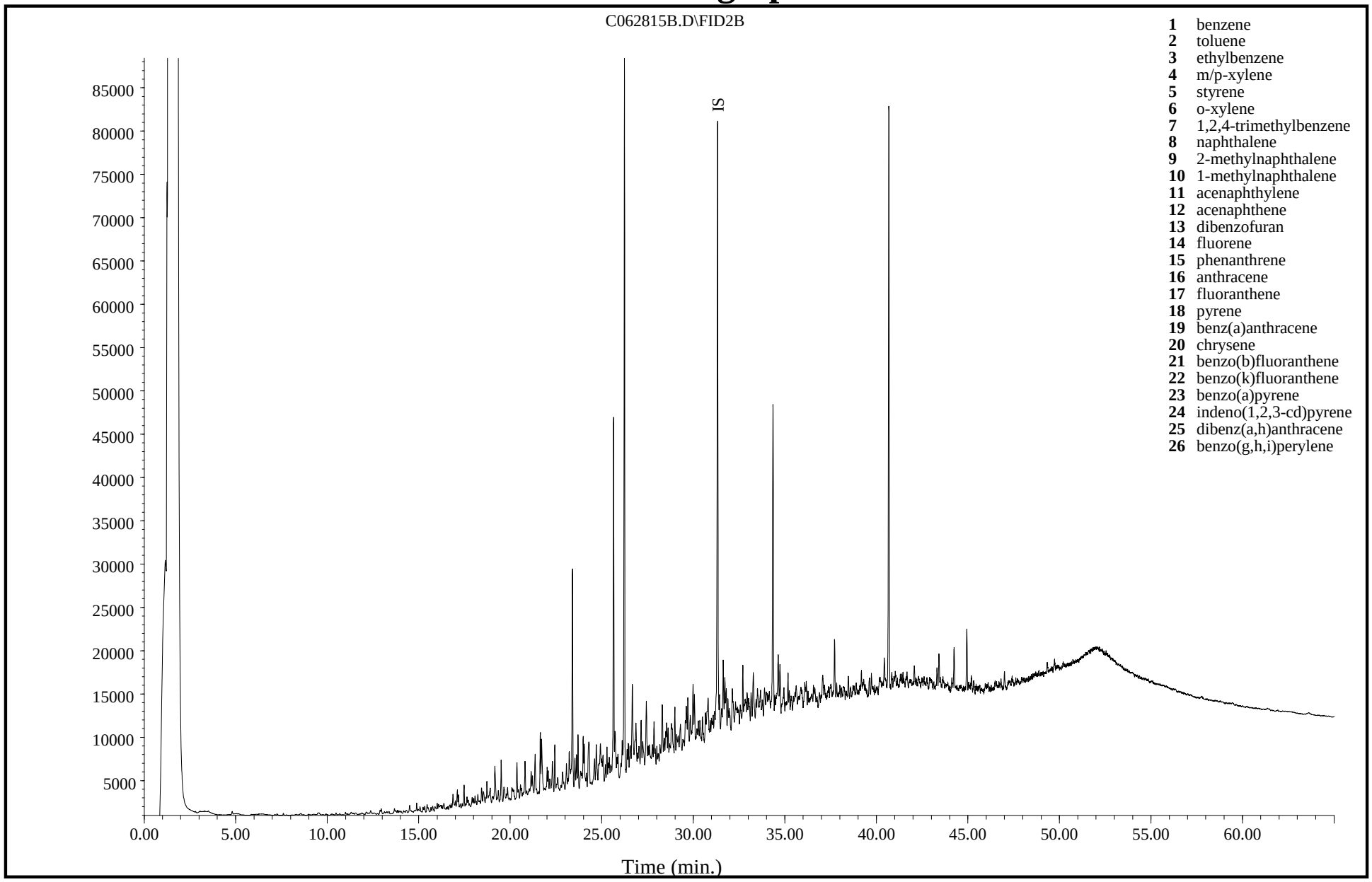


Extraction Date: 6/23/2010
Analysis Date: 06/29/2010

IS – 5a-androstane
SS1 – 2-fluorobiphenyl
SS2 – o-terphenyl

Field ID: **NAPL F**
Laboratory ID: BD100612-01-1-D
Method: EPA 8100M

GC/FID Fingerprint



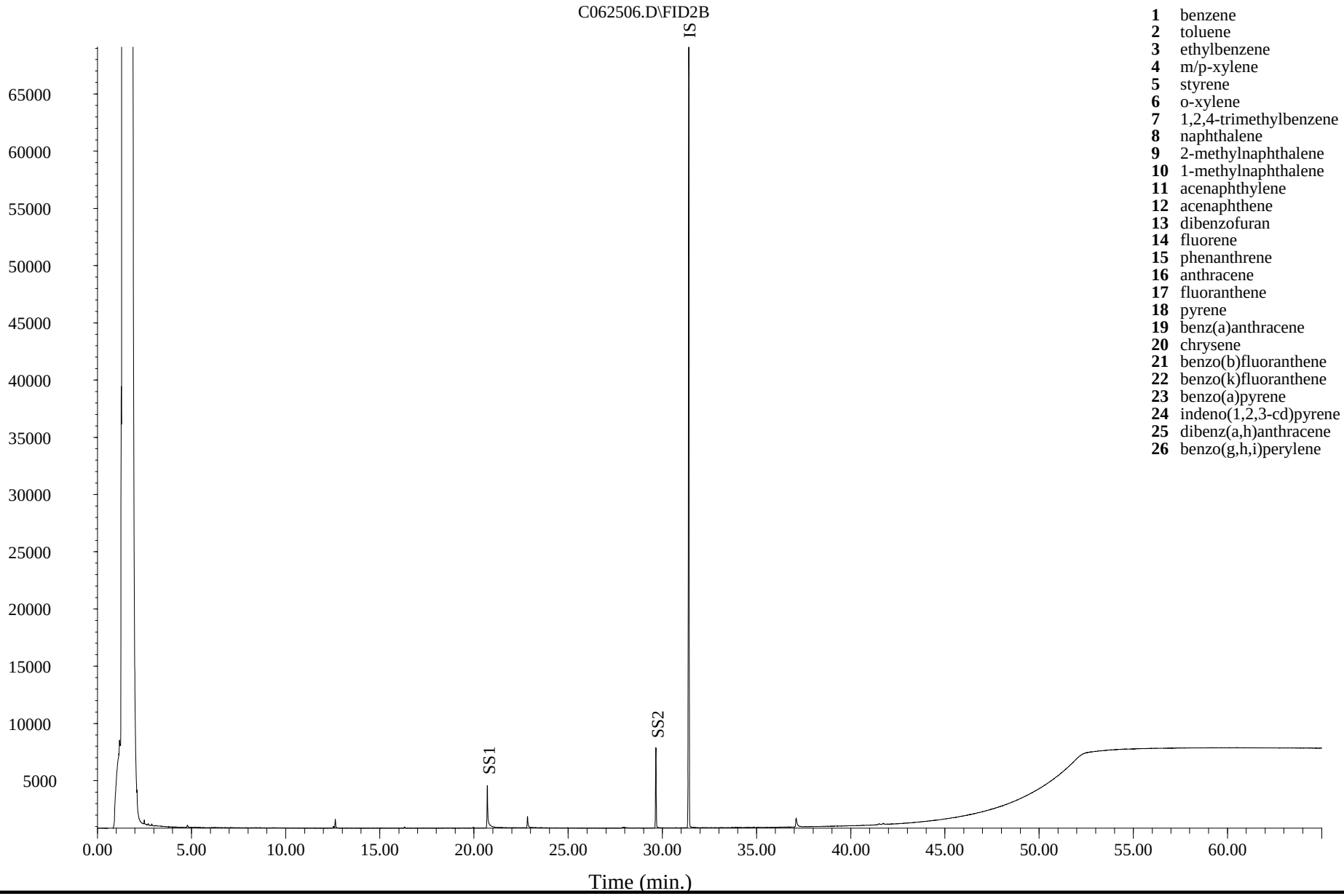
Extraction Date: 6/23/2010
Analysis Date: 06/29/2010

IS – 5a-androstane
SS1 – 2-fluorobiphenyl
SS2 – o-terphenyl

Field ID:	**DUP061110**
Laboratory ID:	BD100612-11-1-D
Method:	EPA 8100M

META

GC/FID Fingerprint



Extraction Date: 06/23/2010
Analysis Date: 06/24/2010

IS – 5a-androstane
SS1 – 2-fluorobiphenyl
SS2 – o-terphenyl

Field ID:	**Soil Blank**
Laboratory ID:	QC100623-SB1
Method:	EPA 8100M

Appendix C

MAH/PAH Concentrations

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: NAPL F

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3580
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-01		
File ID:	E062310.D	Matrix:	NAPL
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/15/2010	Sample Size (g):	0.0108
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	6/24/2010	Extract Volume (µl):	2000
Instrument:	El Camino	Prep DF:	1
Operator:	ERL	Analysis DF:	1
		Injection Volume (µl):	1.00
Batch QC:	QC100615-MB		

Analyte	Concentration (mg/kg)		RL	EDL	Comments
MAH & PAH COMPOUNDS:					
Benzene	1.09	B	0.926	0.463	
Toluene	1.14	B	0.926	0.463	
Ethylbenzene	1.21		0.926	0.463	
m/p-Xylenes	2.61		0.926	0.463	
Styrene		U	0.926	0.463	
o-Xylene	2.04		0.926	0.463	
Isopropylbenzene	0.713	J	0.926	0.463	
n-Propylbenzene	0.986		0.926	0.463	
1,3,5-Trimethylbenzene	2.66		0.926	0.463	
1,2,4-Trimethylbenzene	8.36		0.926	0.463	
t-Butylbenzene		U	0.926	0.463	
sec-Butylbenzene	0.692	J	0.926	0.463	
p-Isopropyltoluene	2.08		0.926	0.463	
n-Butylbenzene	2.41		0.926	0.463	
C1 - Benzene	0.773	JB	0.926	0.463	
C2 - Benzene	3.06		0.926	0.463	
C3 - Benzene	13.0		0.926	0.463	
C4 - Benzene	32.1		0.926	0.463	
C5 - Benzene	37.3		0.926	0.463	
trans-Decalin	5.81		0.926	0.463	
cis-Decalin	0.806	J	0.926	0.463	
Naphthalene	18.4		0.926	0.463	
2-Methylnaphthalene	104		0.926	0.463	
1-Methylnaphthalene	86.3		0.926	0.463	
C1 - Naphthalene	121		0.926	0.463	
C2 - Naphthalene	288		0.926	0.463	
C3 - Naphthalene	385		0.926	0.463	
C4 - Naphthalene	385		0.926	0.463	
Acenaphthylene		U	0.926	0.463	
Acenaphthene	12.2	B	0.926	0.463	
Dibenzofuran	7.76		0.926	0.463	
Fluorene	26.8		0.926	0.463	
C1 - Fluorene	110		0.926	0.463	
C2 - Fluorene	301		0.926	0.463	
C3 - Fluorene	382		0.926	0.463	
Phenanthrene	91.2		0.926	0.463	
Anthracene	30.1		0.926	0.463	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: NAPL F

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3580
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-01		
File ID:	E062310.D	Matrix:	NAPL
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/15/2010	Sample Size (g):	0.0108
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	6/24/2010	Extract Volume (µl):	2000
Instrument:	El Camino	Prep DF:	1
Operator:	ERL	Analysis DF:	1
		Injection Volume (µl):	1.00
Batch QC:	QC100615-MB		

Analyte	Concentration (mg/kg)	RL	EDL	Comments
C1 - Phenanthrene/Anthracene	353	0.926	0.463	
C2 - Phenanthrene/Anthracene	644	0.926	0.463	
C3 - Phenanthrene/Anthracene	574	0.926	0.463	
C4 - Phenanthrene/Anthracene	283	0.926	0.463	
Dibenzothiophene	45.6	0.926	0.463	
C1 - Dibenzothiophene	183	0.926	0.463	
C2 - Dibenzothiophene	402	0.926	0.463	
C3 - Dibenzothiophene	462	0.926	0.463	
C4 - Dibenzothiophene	286	0.926	0.463	
Benzo(b)naphtho(2,1-d)thiophene	30.6	0.926	0.463	
Fluoranthene	19.4	0.926	0.463	
Pyrene	165	0.926	0.463	
C1 - Fluoranthene/Pyrene	387	0.926	0.463	
C2 - Fluoranthene/Pyrene	426	0.926	0.463	
C3 - Fluoranthene/Pyrene	359	0.926	0.463	
Benz(a)anthracene	20.5	0.926	0.463	
Chrysene*	50.7	0.926	0.463	
C1 - Benz(a)anthracene/Chrysene	158	0.926	0.463	
C2 - Benz(a)anthracene/Chrysene	248	0.926	0.463	
C3 - Benz(a)anthracene/Chrysene	200	0.926	0.463	
C4 - Benz(a)anthracene/Chrysene	146	0.926	0.463	
Benzo(b)fluoranthene	10.5	0.926	0.463	
Benzo(j/k)fluoranthene	4.37	0.926	0.463	
Benzo(e)pyrene	37.3	0.926	0.463	
Benzo(a)pyrene	20.5	0.926	0.463	
Perylene	8.33 B	0.926	0.463	
Indeno(1,2,3-cd)pyrene	7.06	0.926	0.463	
Dibenz(a,h)anthracene	2.62	0.926	0.463	
Benzo(g,h,i)perylene	17.8	0.926	0.463	
Coronene	2.82	0.926	0.463	
Retene	59.6	0.926	0.463	
Benzo(b/c)fluorenes	17.5	0.926	0.463	
2-Methylpyrene	81.0	0.926	0.463	
4-Methylpyrene	113	0.926	0.463	
1-Methylpyrene	79.4	0.926	0.463	
Heptadecane	25.5	0.926	0.463	
Pristane	155	0.926	0.463	
Octadecane	27.5	0.926	0.463	
Phytane	141	0.926	0.463	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: NAPL F

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3580
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-01		
File ID:	E062310.D	Matrix:	NAPL
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/15/2010	Sample Size (g):	0.0108
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	6/24/2010	Extract Volume (µl):	2000
Instrument:	El Camino	Prep DF:	1
Operator:	ERL	Analysis DF:	1
		Injection Volume (µl):	1.00
Batch QC:	QC100615-MB		

Analyte	Concentration (mg/kg)	RL	EDL	Comments
2,6,10-trimethyldodecane	38.9	0.926	0.463	
2,6,10-trimethyltridecane	52.8	0.926	0.463	
Norpristane	66.1	0.926	0.463	
Total PAH (16)	497	0.926	0.463	
Total PAH (42)	7,680	0.926	0.463	

Extraction Surrogate Recoveries (%)		Limits
Toluene-d8	74	50 - 120
Phenanthrene-d10	87	50 - 120
Benzo(a)pyrene-d12	110	50 - 120
Perylene-d12	111	50 - 120

NA - Not applicable.
B - Analyte detected in the Blank.
J - Estimated value; detected between the RL and DL.
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.
* - Triphenylene is known to coelute with this compound.

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: NAPL B

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3580
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-03		
File ID:	E062315.D	Matrix:	NAPL
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/15/2010	Sample Size (g):	0.0110
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	6/24/2010	Extract Volume (µl):	2000
Instrument:	El Camino	Prep DF:	1
Operator:	ERL	Analysis DF:	1
		Injection Volume (µl):	1.00
Batch QC:	QC100615-MB		

Analyte	Concentration (mg/kg)		RL	EDL	Comments
MAH & PAH COMPOUNDS:					
Benzene	0.991	B	0.909	0.455	
Toluene	1.28	B	0.909	0.455	
Ethylbenzene		U	0.909	0.455	
m/p-Xylenes	0.919		0.909	0.455	
Styrene		U	0.909	0.455	
o-Xylene	0.964		0.909	0.455	
Isopropylbenzene	1.06		0.909	0.455	
n-Propylbenzene	1.43		0.909	0.455	
1,3,5-Trimethylbenzene	1.06		0.909	0.455	
1,2,4-Trimethylbenzene	5.75		0.909	0.455	
t-Butylbenzene		U	0.909	0.455	
sec-Butylbenzene	1.2		0.909	0.455	
p-Isopropyltoluene	1.85		0.909	0.455	
n-Butylbenzene	2.9		0.909	0.455	
C1 - Benzene	0.914	B	0.909	0.455	
C2 - Benzene	1.32		0.909	0.455	
C3 - Benzene	10.0		0.909	0.455	
C4 - Benzene	33.3		0.909	0.455	
C5 - Benzene	48.2		0.909	0.455	
trans-Decalin	8.69		0.909	0.455	
cis-Decalin	1.15		0.909	0.455	
Naphthalene	4.45		0.909	0.455	
2-Methylnaphthalene	41.5		0.909	0.455	
1-Methylnaphthalene	69.9		0.909	0.455	
C1 - Naphthalene	71.1		0.909	0.455	
C2 - Naphthalene	232		0.909	0.455	
C3 - Naphthalene	368		0.909	0.455	
C4 - Naphthalene	338		0.909	0.455	
Acenaphthylene		U	0.909	0.455	
Acenaphthene	14.4	B	0.909	0.455	
Dibenzofuran	9.87		0.909	0.455	
Fluorene	32.8		0.909	0.455	
C1 - Fluorene	104		0.909	0.455	
C2 - Fluorene	233		0.909	0.455	
C3 - Fluorene	266		0.909	0.455	
Phenanthrene	76.0		0.909	0.455	
Anthracene	33.2		0.909	0.455	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: NAPL B

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3580
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-03		
File ID:	E062315.D	Matrix:	NAPL
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/15/2010	Sample Size (g):	0.0110
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	6/24/2010	Extract Volume (µl):	2000
Instrument:	El Camino	Prep DF:	1
Operator:	ERL	Analysis DF:	1
		Injection Volume (µl):	1.00
Batch QC:	QC100615-MB		

Analyte	Concentration (mg/kg)		RL	EDL	Comments
C1 - Phenanthrene/Anthracene	298		0.909	0.455	
C2 - Phenanthrene/Anthracene	493		0.909	0.455	
C3 - Phenanthrene/Anthracene	391		0.909	0.455	
C4 - Phenanthrene/Anthracene	191		0.909	0.455	
Dibenzothiophene	43.4		0.909	0.455	
C1 - Dibenzothiophene	157		0.909	0.455	
C2 - Dibenzothiophene	276		0.909	0.455	
C3 - Dibenzothiophene	285		0.909	0.455	
C4 - Dibenzothiophene	170		0.909	0.455	
Benzo(b)naphtho(2,1-d)thiophene	20.9		0.909	0.455	
Fluoranthene	14.6		0.909	0.455	
Pyrene	106		0.909	0.455	
C1 - Fluoranthene/Pyrene	248		0.909	0.455	
C2 - Fluoranthene/Pyrene	262		0.909	0.455	
C3 - Fluoranthene/Pyrene	223		0.909	0.455	
Benz(a)anthracene	15.2		0.909	0.455	
Chrysene*	35.4		0.909	0.455	
C1 - Benz(a)anthracene/Chrysene	102		0.909	0.455	
C2 - Benz(a)anthracene/Chrysene	154		0.909	0.455	
C3 - Benz(a)anthracene/Chrysene	123		0.909	0.455	
C4 - Benz(a)anthracene/Chrysene	87.0		0.909	0.455	
Benzo(b)fluoranthene	5.88		0.909	0.455	
Benzo(j/k)fluoranthene	2.58		0.909	0.455	
Benzo(e)pyrene	22.3		0.909	0.455	
Benzo(a)pyrene	12.7		0.909	0.455	
Perylene	7.29	B	0.909	0.455	
Indeno(1,2,3-cd)pyrene	3.9		0.909	0.455	
Dibenz(a,h)anthracene	1.49		0.909	0.455	
Benzo(g,h,i)perylene	10.5		0.909	0.455	
Coronene	1.1		0.909	0.455	
Retene	57.7		0.909	0.455	
Benzo(b/c)fluorenes	13.5		0.909	0.455	
2-Methylpyrene	49.5		0.909	0.455	
4-Methylpyrene	67.4		0.909	0.455	
1-Methylpyrene	50.0		0.909	0.455	
Heptadecane		U	0.909	0.455	
Pristane	155		0.909	0.455	
Octadecane		U	0.909	0.455	
Phytane	125		0.909	0.455	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: NAPL B

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3580
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-03		
File ID:	E062315.D	Matrix:	NAPL
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/15/2010	Sample Size (g):	0.0110
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	6/24/2010	Extract Volume (µl):	2000
Instrument:	El Camino	Prep DF:	1
Operator:	ERL	Analysis DF:	1
		Injection Volume (µl):	1.00
Batch QC:	QC100615-MB		

Analyte	Concentration (mg/kg)	RL	EDL	Comments
2,6,10-trimethyldodecane	52.0	0.909	0.455	
2,6,10-trimethyltridecane	59.3	0.909	0.455	
Norpristane	65.4	0.909	0.455	
Total PAH (16)	369	0.909	0.455	
Total PAH (42)	5,520	0.909	0.455	

Extraction Surrogate Recoveries (%)		Limits
Toluene-d8	72	50 - 120
Phenanthrene-d10	83	50 - 120
Benzo(a)pyrene-d12	101	50 - 120
Perylene-d12	101	50 - 120

NA - Not applicable.
B - Analyte detected in the Blank.
J - Estimated value; detected between the RL and DL.
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.
* - Triphenylene is known to coelute with this compound.

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: NAPL C

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3580
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-05		
File ID:	E062316.D	Matrix:	NAPL
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/15/2010	Sample Size (g):	0.0102
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	6/24/2010	Extract Volume (µl):	2000
Instrument:	El Camino	Prep DF:	1
Operator:	ERL	Analysis DF:	1
		Injection Volume (µl):	1.00
Batch QC:	QC100615-MB		

Analyte	Concentration (mg/kg)		RL	EDL	Comments
MAH & PAH COMPOUNDS:					
Benzene	2.25	B	0.980	0.490	
Toluene	2.3	B	0.980	0.490	
Ethylbenzene	1.03		0.980	0.490	
m/p-Xylenes	2.57		0.980	0.490	
Styrene		U	0.980	0.490	
o-Xylene	1.67		0.980	0.490	
Isopropylbenzene	0.938	J	0.980	0.490	
n-Propylbenzene	1.3		0.980	0.490	
1,3,5-Trimethylbenzene	2.48		0.980	0.490	
1,2,4-Trimethylbenzene	8.06		0.980	0.490	
t-Butylbenzene		U	0.980	0.490	
sec-Butylbenzene	0.815	J	0.980	0.490	
p-Isopropyltoluene	2.14		0.980	0.490	
n-Butylbenzene	2.55		0.980	0.490	
C1 - Benzene	1.48	B	0.980	0.490	
C2 - Benzene	2.8		0.980	0.490	
C3 - Benzene	13.0		0.980	0.490	
C4 - Benzene	28.8		0.980	0.490	
C5 - Benzene	32.0		0.980	0.490	
trans-Decalin	4.29		0.980	0.490	
cis-Decalin	0.617	J	0.980	0.490	
Naphthalene	15.7		0.980	0.490	
2-Methylnaphthalene	100		0.980	0.490	
1-Methylnaphthalene	95.4		0.980	0.490	
C1 - Naphthalene	124		0.980	0.490	
C2 - Naphthalene	293		0.980	0.490	
C3 - Naphthalene	348		0.980	0.490	
C4 - Naphthalene	277		0.980	0.490	
Acenaphthylene		U	0.980	0.490	
Acenaphthene	10.7	B	0.980	0.490	
Dibenzofuran	8.69		0.980	0.490	
Fluorene	25.8		0.980	0.490	
C1 - Fluorene	88.6		0.980	0.490	
C2 - Fluorene	174		0.980	0.490	
C3 - Fluorene	190		0.980	0.490	
Phenanthrene	86.6		0.980	0.490	
Anthracene	26.1		0.980	0.490	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: NAPL C

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3580
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-05		
File ID:	E062316.D	Matrix:	NAPL
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/15/2010	Sample Size (g):	0.0102
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	6/24/2010	Extract Volume (µl):	2000
Instrument:	El Camino	Prep DF:	1
Operator:	ERL	Analysis DF:	1
		Injection Volume (µl):	1.00
Batch QC:	QC100615-MB		

Analyte	Concentration (mg/kg)	RL	EDL	Comments
C1 - Phenanthrene/Anthracene	280	0.980	0.490	
C2 - Phenanthrene/Anthracene	389	0.980	0.490	
C3 - Phenanthrene/Anthracene	289	0.980	0.490	
C4 - Phenanthrene/Anthracene	134	0.980	0.490	
Dibenzothiophene	40.9	0.980	0.490	
C1 - Dibenzothiophene	134	0.980	0.490	
C2 - Dibenzothiophene	222	0.980	0.490	
C3 - Dibenzothiophene	218	0.980	0.490	
C4 - Dibenzothiophene	170	0.980	0.490	
Benzo(b)naphtho(2,1-d)thiophene	15.7	0.980	0.490	
Fluoranthene	10.3	0.980	0.490	
Pyrene	77.2	0.980	0.490	
C1 - Fluoranthene/Pyrene	182	0.980	0.490	
C2 - Fluoranthene/Pyrene	173	0.980	0.490	
C3 - Fluoranthene/Pyrene	151	0.980	0.490	
Benz(a)anthracene	11.4	0.980	0.490	
Chrysene*	26.7	0.980	0.490	
C1 - Benz(a)anthracene/Chrysene	72.4	0.980	0.490	
C2 - Benz(a)anthracene/Chrysene	101	0.980	0.490	
C3 - Benz(a)anthracene/Chrysene	82.1	0.980	0.490	
C4 - Benz(a)anthracene/Chrysene	56.4	0.980	0.490	
Benzo(b)fluoranthene	4.14	0.980	0.490	
Benzo(j/k)fluoranthene	1.64	0.980	0.490	
Benzo(e)pyrene	14.2	0.980	0.490	
Benzo(a)pyrene	8.73	0.980	0.490	
Perylene	3.46 B	0.980	0.490	
Indeno(1,2,3-cd)pyrene	2.59	0.980	0.490	
Dibenz(a,h)anthracene	1.13	0.980	0.490	
Benzo(g,h,i)perylene	6.27	0.980	0.490	
Coronene	0.899 J	0.980	0.490	
Retene	28.8	0.980	0.490	
Benzo(b/c)fluorenes	9.98	0.980	0.490	
2-Methylpyrene	35.0	0.980	0.490	
4-Methylpyrene	47.1	0.980	0.490	
1-Methylpyrene	36.0	0.980	0.490	
Heptadecane	132	0.980	0.490	
Pristane	114	0.980	0.490	
Octadecane	139	0.980	0.490	
Phytane	98.2	0.980	0.490	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: NAPL C

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3580
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-05		
File ID:	E062316.D	Matrix:	NAPL
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/15/2010	Sample Size (g):	0.0102
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	6/24/2010	Extract Volume (µl):	2000
Instrument:	El Camino	Prep DF:	1
Operator:	ERL	Analysis DF:	1
		Injection Volume (µl):	1.00
Batch QC:	QC100615-MB		

Analyte	Concentration (mg/kg)	RL	EDL	Comments
2,6,10-trimethyldodecane	30.3	0.980	0.490	
2,6,10-trimethyltridecane	43.8	0.980	0.490	
Norpristane	52.2	0.980	0.490	
Total PAH (16)	315	0.980	0.490	
Total PAH (42)	4,530	0.980	0.490	

Extraction Surrogate Recoveries (%)		Limits
Toluene-d8	71	50 - 120
Phenanthrene-d10	82	50 - 120
Benzo(a)pyrene-d12	97	50 - 120
Perylene-d12	98	50 - 120

NA - Not applicable.
B - Analyte detected in the Blank.
J - Estimated value; detected between the RL and DL.
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.
* - Triphenylene is known to coelute with this compound.

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: NAPL D

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3580
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-07		
File ID:	E062317.D	Matrix:	NAPL
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/15/2010	Sample Size (g):	0.0102
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	6/24/2010	Extract Volume (µl):	2000
Instrument:	El Camino	Prep DF:	1
Operator:	ERL	Analysis DF:	1
		Injection Volume (µl):	1.00
Batch QC:	QC100615-MB		

Analyte	Concentration (mg/kg)		RL	EDL	Comments
MAH & PAH COMPOUNDS:					
Benzene	1.72	B	0.980	0.490	
Toluene	1.33	B	0.980	0.490	
Ethylbenzene		U	0.980	0.490	
m/p-Xylenes	0.550	J	0.980	0.490	
Styrene		U	0.980	0.490	
o-Xylene		U	0.980	0.490	
Isopropylbenzene		U	0.980	0.490	
n-Propylbenzene		U	0.980	0.490	
1,3,5-Trimethylbenzene		U	0.980	0.490	
1,2,4-Trimethylbenzene	0.669	J	0.980	0.490	
t-Butylbenzene		U	0.980	0.490	
sec-Butylbenzene		U	0.980	0.490	
p-Isopropyltoluene	0.787	J	0.980	0.490	
n-Butylbenzene		U	0.980	0.490	
C1 - Benzene	0.896	JB	0.980	0.490	
C2 - Benzene	0.737	J	0.980	0.490	
C3 - Benzene	5.56		0.980	0.490	
C4 - Benzene	2.87		0.980	0.490	
C5 - Benzene	5.23		0.980	0.490	
trans-Decalin		U	0.980	0.490	
cis-Decalin	1.02		0.980	0.490	
Naphthalene	5.22		0.980	0.490	
2-Methylnaphthalene	5.95		0.980	0.490	
1-Methylnaphthalene	14.6		0.980	0.490	
C1 - Naphthalene	12.9		0.980	0.490	
C2 - Naphthalene	30.1		0.980	0.490	
C3 - Naphthalene	51.6		0.980	0.490	
C4 - Naphthalene	39.5		0.980	0.490	
Acenaphthylene		U	0.980	0.490	
Acenaphthene	1.64	B	0.980	0.490	
Dibenzofuran	2.51		0.980	0.490	
Fluorene	3.48		0.980	0.490	
C1 - Fluorene	12.0		0.980	0.490	
C2 - Fluorene	22.2		0.980	0.490	
C3 - Fluorene	28.2		0.980	0.490	
Phenanthrene	12.8		0.980	0.490	
Anthracene	2.8		0.980	0.490	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: NAPL D

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3580
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-07		
File ID:	E062317.D	Matrix:	NAPL
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/15/2010	Sample Size (g):	0.0102
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	6/24/2010	Extract Volume (µl):	2000
Instrument:	El Camino	Prep DF:	1
Operator:	ERL	Analysis DF:	1
		Injection Volume (µl):	1.00
Batch QC:	QC100615-MB		

Analyte	Concentration (mg/kg)		RL	EDL	Comments
C1 - Phenanthrene/Anthracene	38.0		0.980	0.490	
C2 - Phenanthrene/Anthracene	65.8		0.980	0.490	
C3 - Phenanthrene/Anthracene	76.8		0.980	0.490	
C4 - Phenanthrene/Anthracene	19.8		0.980	0.490	
Dibenzothiophene	5.09		0.980	0.490	
C1 - Dibenzothiophene	27.2		0.980	0.490	
C2 - Dibenzothiophene	30.6		0.980	0.490	
C3 - Dibenzothiophene	41.0		0.980	0.490	
C4 - Dibenzothiophene	189		0.980	0.490	
Benzo(b)naphtho(2,1-d)thiophene	1.9		0.980	0.490	
Fluoranthene	1.84		0.980	0.490	
Pyrene	10.0		0.980	0.490	
C1 - Fluoranthene/Pyrene	51.8		0.980	0.490	
C2 - Fluoranthene/Pyrene	22.4		0.980	0.490	
C3 - Fluoranthene/Pyrene	19.8		0.980	0.490	
Benz(a)anthracene	1.16		0.980	0.490	
Chrysene*	8.3		0.980	0.490	
C1 - Benz(a)anthracene/Chrysene	9.14		0.980	0.490	
C2 - Benz(a)anthracene/Chrysene	15.5		0.980	0.490	
C3 - Benz(a)anthracene/Chrysene	9.25		0.980	0.490	
C4 - Benz(a)anthracene/Chrysene	7.91		0.980	0.490	
Benzo(b)fluoranthene	0.647	J	0.980	0.490	
Benzo(j/k)fluoranthene		U	0.980	0.490	
Benzo(e)pyrene	1.71		0.980	0.490	
Benzo(a)pyrene	1.17		0.980	0.490	
Perylene		BU	0.980	0.490	
Indeno(1,2,3-cd)pyrene		U	0.980	0.490	
Dibenz(a,h)anthracene		U	0.980	0.490	
Benzo(g,h,i)perylene	0.823	J	0.980	0.490	
Coronene		U	0.980	0.490	
Retene	3.8		0.980	0.490	
Benzo(b/c)fluorenes	2.35		0.980	0.490	
2-Methylpyrene	4.02		0.980	0.490	
4-Methylpyrene	5.24		0.980	0.490	
1-Methylpyrene	4.0		0.980	0.490	
Heptadecane	56.0		0.980	0.490	
Pristane	49.0		0.980	0.490	
Octadecane	41.0		0.980	0.490	
Phytane	38.7		0.980	0.490	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: NAPL D

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3580
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-07		
File ID:	E062317.D	Matrix:	NAPL
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/15/2010	Sample Size (g):	0.0102
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	6/24/2010	Extract Volume (µl):	2000
Instrument:	El Camino	Prep DF:	1
Operator:	ERL	Analysis DF:	1
		Injection Volume (µl):	1.00
Batch QC:	QC100615-MB		

Analyte	Concentration (mg/kg)	RL	EDL	Comments
2,6,10-trimethyldodecane	3.72	0.980	0.490	
2,6,10-trimethyltridecane	11.8	0.980	0.490	
Norpristane	20.7	0.980	0.490	
Total PAH (16)	49.9	0.980	0.490	
Total PAH (42)	880	0.980	0.490	

Extraction Surrogate Recoveries (%)		Limits
Toluene-d8	74	50 - 120
Phenanthrene-d10	86	50 - 120
Benzo(a)pyrene-d12	101	50 - 120
Perylene-d12	102	50 - 120

NA - Not applicable.
B - Analyte detected in the Blank.
J - Estimated value; detected between the RL and DL.
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.
* - Triphenylene is known to coelute with this compound.

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: NAPL E

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-09-D1		
File ID:	E062319.D	Matrix:	Sediment
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/15/2010	Sample Size (g):	4.10
Date Cleanup:	NA	Percent Solid:	44.6%
Date Analyzed:	6/24/2010	Extract Volume (µl):	2000
Instrument:	El Camino	Prep DF:	1
Operator:	ERL	Analysis DF:	20
		Injection Volume (µl):	1.00
Batch QC:	QC100615-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
MAH & PAH COMPOUNDS:					
Benzene	0.281	B	0.109	0.055	
Toluene	0.874	B	0.109	0.055	
Ethylbenzene		BU	0.109	0.055	
m/p-Xylenes	1.05	B	0.109	0.055	
Styrene		BU	0.109	0.055	
o-Xylene		BU	0.109	0.055	
Isopropylbenzene		BU	0.109	0.055	
n-Propylbenzene		BU	0.109	0.055	
1,3,5-Trimethylbenzene		BU	0.109	0.055	
1,2,4-Trimethylbenzene		BU	0.109	0.055	
t-Butylbenzene		U	0.109	0.055	
sec-Butylbenzene		BU	0.109	0.055	
p-Isopropyltoluene		BU	0.109	0.055	
n-Butylbenzene	0.118	B	0.109	0.055	
C1 - Benzene	0.590	B	0.109	0.055	
C2 - Benzene	0.688	B	0.109	0.055	
C3 - Benzene	0.156		0.109	0.055	
C4 - Benzene	0.217		0.109	0.055	
C5 - Benzene	0.222		0.109	0.055	
trans-Decalin		U	0.109	0.055	
cis-Decalin	0.171		0.109	0.055	
Naphthalene	0.179	B	0.109	0.055	
2-Methylnaphthalene	0.075	JB	0.109	0.055	
1-Methylnaphthalene	0.067	JB	0.109	0.055	
C1 - Naphthalene	0.107	JB	0.109	0.055	
C2 - Naphthalene	0.646		0.109	0.055	
C3 - Naphthalene	0.916		0.109	0.055	
C4 - Naphthalene	1.43		0.109	0.055	
Acenaphthylene	0.277	B	0.109	0.055	
Acenaphthene		BU	0.109	0.055	
Dibenzofuran	0.113	B	0.109	0.055	
Fluorene	0.112	B	0.109	0.055	
C1 - Fluorene	0.651		0.109	0.055	
C2 - Fluorene	0.528	B	0.109	0.055	
C3 - Fluorene	2.33		0.109	0.055	
Phenanthrene	0.582	B	0.109	0.055	
Anthracene	0.148	B	0.109	0.055	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: NAPL E

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-09-D1		
File ID:	E062319.D	Matrix:	Sediment
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/15/2010	Sample Size (g):	4.10
Date Cleanup:	NA	Percent Solid:	44.6%
Date Analyzed:	6/24/2010	Extract Volume (µl):	2000
Instrument:	El Camino	Prep DF:	1
Operator:	ERL	Analysis DF:	20
		Injection Volume (µl):	1.00
Batch QC:	QC100615-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
C1 - Phenanthrene/Anthracene	0.697		0.109	0.055	
C2 - Phenanthrene/Anthracene		U	0.109	0.055	
C3 - Phenanthrene/Anthracene	4.56		0.109	0.055	
C4 - Phenanthrene/Anthracene	1.7		0.109	0.055	
Dibenzothiophene	0.092	JB	0.109	0.055	
C1 - Dibenzothiophene		U	0.109	0.055	
C2 - Dibenzothiophene	0.669		0.109	0.055	
C3 - Dibenzothiophene	2.04		0.109	0.055	
C4 - Dibenzothiophene	9.21		0.109	0.055	
Benzo(b)naphtho(2,1-d)thiophene	0.072	J	0.109	0.055	
Fluoranthene	0.801	B	0.109	0.055	
Pyrene	0.834	B	0.109	0.055	
C1 - Fluoranthene/Pyrene	2.66		0.109	0.055	
C2 - Fluoranthene/Pyrene	1.26		0.109	0.055	
C3 - Fluoranthene/Pyrene	1.44		0.109	0.055	
Benz(a)anthracene	0.206	B	0.109	0.055	
Chrysene*	0.298	B	0.109	0.055	
C1 - Benz(a)anthracene/Chrysene	0.353		0.109	0.055	
C2 - Benz(a)anthracene/Chrysene	0.778		0.109	0.055	
C3 - Benz(a)anthracene/Chrysene	0.467		0.109	0.055	
C4 - Benz(a)anthracene/Chrysene	0.709		0.109	0.055	
Benzo(b)fluoranthene	0.215	B	0.109	0.055	
Benzo(j/k)fluoranthene	0.179	B	0.109	0.055	
Benzo(e)pyrene	0.213	B	0.109	0.055	
Benzo(a)pyrene	0.208	B	0.109	0.055	
Perylene		BU	0.109	0.055	
Indeno(1,2,3-cd)pyrene	0.125	B	0.109	0.055	
Dibenz(a,h)anthracene		BU	0.109	0.055	
Benzo(g,h,i)perylene	0.126	B	0.109	0.055	
Coronene		U	0.109	0.055	
Retene	0.196		0.109	0.055	
Benzo(b/c)fluorenes	0.310		0.109	0.055	
2-Methylpyrene	0.096	J	0.109	0.055	
4-Methylpyrene	0.113		0.109	0.055	
1-Methylpyrene	0.092	J	0.109	0.055	
Heptadecane	3.11	B	0.109	0.055	
Pristane	1.04	B	0.109	0.055	
Octadecane	0.669	B	0.109	0.055	
Phytane	0.880	B	0.109	0.055	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: NAPL E

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-09-D1		
File ID:	E062319.D	Matrix:	Sediment
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/15/2010	Sample Size (g):	4.10
Date Cleanup:	NA	Percent Solid:	44.6%
Date Analyzed:	6/24/2010	Extract Volume (µl):	2000
Instrument:	El Camino	Prep DF:	1
Operator:	ERL	Analysis DF:	20
		Injection Volume (µl):	1.00
Batch QC:	QC100615-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
2,6,10-trimethyldodecane	0.237 B	0.109	0.055	
2,6,10-trimethyltridecane	0.416	0.109	0.055	
Norpristane	0.315 B	0.109	0.055	
Total PAH (16)	4.29	0.109	0.055	
Total PAH (42)	37.8	0.109	0.055	

Extraction Surrogate Recoveries (%)		Limits
Toluene-d8	61	50 - 120
Phenanthrene-d10	81	50 - 120
Benzo(a)pyrene-d12	71	50 - 120
Perylene-d12	73	50 - 120

NA - Not applicable.
B - Analyte detected in the Blank.
J - Estimated value; detected between the RL and DL.
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.
* - Triphenylene is known to coelute with this compound.

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Method Blank

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3580
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	QC100615-MB		
File ID:	E062306.D	Matrix:	NAPL
		Preservation:	None
Date Sampled:	NA	Decanted:	None
Date Received:	NA		
Date Prepared:	6/15/2010	Sample Size (g):	0.01
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	6/23/2010	Extract Volume (µl):	2000
Instrument:	El Camino	Prep DF:	1
Operator:	ERL	Analysis DF:	1
		Injection Volume (µl):	1.00
Batch QC:	QC100615-MB		

Analyte	Concentration (mg/kg)	RL	EDL	Comments
MAH & PAH COMPOUNDS:				
Benzene	3.75	1.0	0.500	
Toluene	0.933 J	1.0	0.500	
Ethylbenzene	U	1.0	0.500	
m/p-Xylenes	U	1.0	0.500	
Styrene	U	1.0	0.500	
o-Xylene	U	1.0	0.500	
Isopropylbenzene	U	1.0	0.500	
n-Propylbenzene	U	1.0	0.500	
1,3,5-Trimethylbenzene	U	1.0	0.500	
1,2,4-Trimethylbenzene	U	1.0	0.500	
t-Butylbenzene	U	1.0	0.500	
sec-Butylbenzene	U	1.0	0.500	
p-Isopropyltoluene	U	1.0	0.500	
n-Butylbenzene	U	1.0	0.500	
C1 - Benzene	0.606 J	1.0	0.500	
C2 - Benzene	U	1.0	0.500	
C3 - Benzene	U	1.0	0.500	
C4 - Benzene	U	1.0	0.500	
C5 - Benzene	U	1.0	0.500	
trans-Decalin	U	1.0	0.500	
cis-Decalin	U	1.0	0.500	
Naphthalene	U	1.0	0.500	
2-Methylnaphthalene	U	1.0	0.500	
1-Methylnaphthalene	U	1.0	0.500	
C1 - Naphthalene	U	1.0	0.500	
C2 - Naphthalene	U	1.0	0.500	
C3 - Naphthalene	U	1.0	0.500	
C4 - Naphthalene	U	1.0	0.500	
Acenaphthylene	U	1.0	0.500	
Acenaphthene	0.500 J	1.0	0.500	
Dibenzofuran	U	1.0	0.500	
Fluorene	U	1.0	0.500	
C1 - Fluorene	U	1.0	0.500	
C2 - Fluorene	U	1.0	0.500	
C3 - Fluorene	U	1.0	0.500	
Phenanthrene	U	1.0	0.500	
Anthracene	U	1.0	0.500	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Method Blank

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3580
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	QC100615-MB		
File ID:	E062306.D	Matrix:	NAPL
		Preservation:	None
Date Sampled:	NA	Decanted:	None
Date Received:	NA		
Date Prepared:	6/15/2010	Sample Size (g):	0.01
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	6/23/2010	Extract Volume (µl):	2000
Instrument:	El Camino	Prep DF:	1
Operator:	ERL	Analysis DF:	1
		Injection Volume (µl):	1.00
Batch QC:	QC100615-MB		

Analyte	Concentration (mg/kg)	RL	EDL	Comments
C1 - Phenanthrene/Anthracene	U	1.0	0.500	
C2 - Phenanthrene/Anthracene	U	1.0	0.500	
C3 - Phenanthrene/Anthracene	U	1.0	0.500	
C4 - Phenanthrene/Anthracene	U	1.0	0.500	
Dibenzothiophene	U	1.0	0.500	
C1 - Dibenzothiophene	U	1.0	0.500	
C2 - Dibenzothiophene	U	1.0	0.500	
C3 - Dibenzothiophene	U	1.0	0.500	
C4 - Dibenzothiophene	U	1.0	0.500	
Benzo(b)naphtho(2,1-d)thiophene	U	1.0	0.500	
Fluoranthene	U	1.0	0.500	
Pyrene	U	1.0	0.500	
C1 - Fluoranthene/Pyrene	U	1.0	0.500	
C2 - Fluoranthene/Pyrene	U	1.0	0.500	
C3 - Fluoranthene/Pyrene	U	1.0	0.500	
Benz(a)anthracene	U	1.0	0.500	
Chrysene*	U	1.0	0.500	
C1 - Benz(a)anthracene/Chrysene	U	1.0	0.500	
C2 - Benz(a)anthracene/Chrysene	U	1.0	0.500	
C3 - Benz(a)anthracene/Chrysene	U	1.0	0.500	
C4 - Benz(a)anthracene/Chrysene	U	1.0	0.500	
Benzo(b)fluoranthene	U	1.0	0.500	
Benzo(j/k)fluoranthene	U	1.0	0.500	
Benzo(e)pyrene	U	1.0	0.500	
Benzo(a)pyrene	U	1.0	0.500	
Perylene	0.548 J	1.0	0.500	
Indeno(1,2,3-cd)pyrene	U	1.0	0.500	
Dibenz(a,h)anthracene	U	1.0	0.500	
Benzo(g,h,i)perylene	U	1.0	0.500	
Coronene	U	1.0	0.500	
Retene	U	1.0	0.500	
Benzo(b/c)fluorenes	U	1.0	0.500	
2-Methylpyrene	U	1.0	0.500	
4-Methylpyrene	U	1.0	0.500	
1-Methylpyrene	U	1.0	0.500	
Heptadecane	U	1.0	0.500	
Pristane	U	1.0	0.500	
Octadecane	U	1.0	0.500	
Phytane	U	1.0	0.500	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Method Blank

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3580
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	QC100615-MB		
File ID:	E062306.D	Matrix:	NAPL
		Preservation:	None
Date Sampled:	NA	Decanted:	None
Date Received:	NA		
Date Prepared:	6/15/2010	Sample Size (g):	0.01
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	6/23/2010	Extract Volume (µl):	2000
Instrument:	El Camino	Prep DF:	1
Operator:	ERL	Analysis DF:	1
		Injection Volume (µl):	1.00
Batch QC:	QC100615-MB		

Analyte	Concentration (mg/kg)	RL	EDL	Comments
2,6,10-trimethyldodecane	U	1.0	0.500	
2,6,10-trimethyltridecane	U	1.0	0.500	
Norpristane	U	1.0	0.500	
Total PAH (16)	0.500	1.0	0.500	
Total PAH (42)	1.05	1.0	0.500	

Extraction Surrogate Recoveries (%)		Limits
Toluene-d8	83	50 - 120
Phenanthrene-d10	88	50 - 120
Benzo(a)pyrene-d12	98	50 - 120
Perylene-d12	100	50 - 120

NA - Not applicable.
B - Analyte detected in the Blank.
J - Estimated value; detected between the RL and DL.
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.
* - Triphenylene is known to coelute with this compound.

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Method Blank SPike

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3580
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	QC100615-MBS		
File ID:	E062307.D	Matrix:	NAPL
		Preservation:	None
Date Sampled:	NA	Decanted:	None
Date Received:	NA		
Date Prepared:	6/15/2010	Sample Size (g):	0.01
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	6/23/2010	Extract Volume (µl):	2000
Instrument:	El Camino	Prep DF:	1
Operator:	ERL	Analysis DF:	1
		Injection Volume (µl):	1.00
Batch QC:	QC100615-MB		

Analyte	Concentration (mg/kg)			RL	EDL	Comments
MAH & PAH COMPOUNDS:	Spike Amount					% Recovery
Benzene	1000	832	B	1.0	0.500	83
Toluene	1000	815	B	1.0	0.500	82
Ethylbenzene	1000	785		1.0	0.500	79
m/p-Xylenes	1000	771		1.0	0.500	77
Styrene	1000	842		1.0	0.500	84
o-Xylene	1000	779		1.0	0.500	78
Isopropylbenzene	1000	821		1.0	0.500	82
n-Propylbenzene	1000	830		1.0	0.500	83
1,3,5-Trimethylbenzene	1000	824		1.0	0.500	82
1,2,4-Trimethylbenzene	1000	816		1.0	0.500	82
t-Butylbenzene			U	1.0	0.500	
sec-Butylbenzene	1000	824		1.0	0.500	82
p-Isopropyltoluene	1000	847		1.0	0.500	85
n-Butylbenzene	1000	854		1.0	0.500	85
C1 - Benzene			BU	1.0	0.500	
C2 - Benzene			U	1.0	0.500	
C3 - Benzene			U	1.0	0.500	
C4 - Benzene			U	1.0	0.500	
C5 - Benzene			U	1.0	0.500	
trans-Decalin			U	1.0	0.500	
cis-Decalin			U	1.0	0.500	
Naphthalene	1000	843		1.0	0.500	84
2-Methylnaphthalene	1000	852		1.0	0.500	85
1-Methylnaphthalene	1000	862		1.0	0.500	86
C1 - Naphthalene			U	1.0	0.500	
C2 - Naphthalene			U	1.0	0.500	
C3 - Naphthalene			U	1.0	0.500	
C4 - Naphthalene			U	1.0	0.500	
Acenaphthylene	1000	947		1.0	0.500	95
Acenaphthene	1000	879	B	1.0	0.500	88
Dibenzofuran	1000	866		1.0	0.500	87
Fluorene	1000	912		1.0	0.500	91
C1 - Fluorene			U	1.0	0.500	
C2 - Fluorene			U	1.0	0.500	
C3 - Fluorene			U	1.0	0.500	
Phenanthrene	1000	890		1.0	0.500	89
Anthracene	1000	893		1.0	0.500	89

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Method Blank SPike

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3580
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	QC100615-MBS		
File ID:	E062307.D	Matrix:	NAPL
		Preservation:	None
Date Sampled:	NA	Decanted:	None
Date Received:	NA		
Date Prepared:	6/15/2010	Sample Size (g):	0.01
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	6/23/2010	Extract Volume (µl):	2000
Instrument:	El Camino	Prep DF:	1
Operator:	ERL	Analysis DF:	1
		Injection Volume (µl):	1.00
Batch QC:	QC100615-MB		

Analyte	Concentration (mg/kg)			RL	EDL	Comments
C1 - Phenanthrene/Anthracene			U	1.0	0.500	
C2 - Phenanthrene/Anthracene			U	1.0	0.500	
C3 - Phenanthrene/Anthracene			U	1.0	0.500	
C4 - Phenanthrene/Anthracene			U	1.0	0.500	
Dibenzothiophene	1000	874		1.0	0.500	87
C1 - Dibenzothiophene			U	1.0	0.500	
C2 - Dibenzothiophene			U	1.0	0.500	
C3 - Dibenzothiophene			U	1.0	0.500	
C4 - Dibenzothiophene			U	1.0	0.500	
Benzo(b)naphtho(2,1-d)thiophene			U	1.0	0.500	
Fluoranthene	1000	948		1.0	0.500	95
Pyrene	1000	938		1.0	0.500	94
C1 - Fluoranthene/Pyrene			U	1.0	0.500	
C2 - Fluoranthene/Pyrene			U	1.0	0.500	
C3 - Fluoranthene/Pyrene			U	1.0	0.500	
Benz(a)anthracene	1000	930		1.0	0.500	93
Chrysene*	1000	916		1.0	0.500	92
C1 - Benz(a)anthracene/Chrysene			U	1.0	0.500	
C2 - Benz(a)anthracene/Chrysene			U	1.0	0.500	
C3 - Benz(a)anthracene/Chrysene			U	1.0	0.500	
C4 - Benz(a)anthracene/Chrysene			U	1.0	0.500	
Benzo(b)fluoranthene	1000	929		1.0	0.500	93
Benzo(j/k)fluoranthene	1000	942		1.0	0.500	94
Benzo(e)pyrene	1000	889		1.0	0.500	89
Benzo(a)pyrene	1000	938		1.0	0.500	94
Perylene			BU	1.0	0.500	
Indeno(1,2,3-cd)pyrene	1000	911		1.0	0.500	91
Dibenz(a,h)anthracene	1000	956		1.0	0.500	96
Benzo(g,h,i)perylene	1000	907		1.0	0.500	91
Coronene			U	1.0	0.500	
Retene			U	1.0	0.500	
Benzo(b/c)fluorenes			U	1.0	0.500	
2-Methylpyrene			U	1.0	0.500	
4-Methylpyrene			U	1.0	0.500	
1-Methylpyrene			U	1.0	0.500	
Heptadecane			U	1.0	0.500	
Pristane			U	1.0	0.500	
Octadecane			U	1.0	0.500	
Phytane			U	1.0	0.500	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Method Blank SPike

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3580
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	QC100615-MBS		
File ID:	E062307.D	Matrix:	NAPL
		Preservation:	None
Date Sampled:	NA	Decanted:	None
Date Received:	NA		
Date Prepared:	6/15/2010	Sample Size (g):	0.01
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	6/23/2010	Extract Volume (µl):	2000
Instrument:	El Camino	Prep DF:	1
Operator:	ERL	Analysis DF:	1
		Injection Volume (µl):	1.00
Batch QC:	QC100615-MB		

Analyte	Concentration (mg/kg)	RL	EDL	Comments
2,6,10-trimethyldodecane	U	1.0	0.500	
2,6,10-trimethyltridecane	U	1.0	0.500	
Norpristane	U	1.0	0.500	

Extraction Surrogate Recoveries (%)		Limits
Toluene-d8	77	50 - 120
Phenanthrene-d10	84	50 - 120
Benzo(a)pyrene-d12	97	50 - 120
Perylene-d12	97	50 - 120

NA - Not applicable.
B - Analyte detected in the Blank.
J - Estimated value; detected between the RL and DL.
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.
* - Triphenylene is known to coelute with this compound.

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Matrix Spike of NAPL F

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3580
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-01MS		
File ID:	E062311.D	Matrix:	NAPL
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/15/2010	Sample Size (g):	0.01
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	6/24/2010	Extract Volume (µl):	2000
Instrument:	El Camino	Prep DF:	1
Operator:	ERL	Analysis DF:	1
		Injection Volume (µl):	1.00
Batch QC:	QC100615-MB		

Analyte	Concentration (mg/kg)			RL	EDL	Comments
MAH & PAH COMPOUNDS:	Spike Amount					% Recovery
Benzene	826	620	B	0.826	0.413	75
Toluene	826	617	B	0.826	0.413	75
Ethylbenzene	826	609		0.826	0.413	74
m/p-Xylenes	826	600		0.826	0.413	72
Styrene	826	664		0.826	0.413	80
o-Xylene	826	608		0.826	0.413	73
Isopropylbenzene	826	642		0.826	0.413	78
n-Propylbenzene	826	649		0.826	0.413	78
1,3,5-Trimethylbenzene	826	635		0.826	0.413	77
1,2,4-Trimethylbenzene	826	651		0.826	0.413	78
t-Butylbenzene			U	0.826	0.413	
sec-Butylbenzene	826	651		0.826	0.413	79
p-Isopropyltoluene	826	673		0.826	0.413	81
n-Butylbenzene	826	683		0.826	0.413	82
C1 - Benzene			BU	0.826	0.413	
C2 - Benzene			U	0.826	0.413	
C3 - Benzene			U	0.826	0.413	
C4 - Benzene			U	0.826	0.413	
C5 - Benzene			U	0.826	0.413	
trans-Decalin			U	0.826	0.413	
cis-Decalin			U	0.826	0.413	
Naphthalene	826	703		0.826	0.413	83
2-Methylnaphthalene	826	831		0.826	0.413	88
1-Methylnaphthalene	826	815		0.826	0.413	88
C1 - Naphthalene			U	0.826	0.413	
C2 - Naphthalene			U	0.826	0.413	
C3 - Naphthalene			U	0.826	0.413	
C4 - Naphthalene			U	0.826	0.413	
Acenaphthylene	826	793		0.826	0.413	96
Acenaphthene	826	734	B	0.826	0.413	87
Dibenzofuran	826	713		0.826	0.413	85
Fluorene	826	786		0.826	0.413	92
C1 - Fluorene			U	0.826	0.413	
C2 - Fluorene			U	0.826	0.413	
C3 - Fluorene			U	0.826	0.413	
Phenanthrene	826	838		0.826	0.413	90
Anthracene	826	771		0.826	0.413	90

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Matrix Spike of NAPL F

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3580
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-01MS		
File ID:	E062311.D	Matrix:	NAPL
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/15/2010	Sample Size (g):	0.01
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	6/24/2010	Extract Volume (µl):	2000
Instrument:	El Camino	Prep DF:	1
Operator:	ERL	Analysis DF:	1
		Injection Volume (µl):	1.00
Batch QC:	QC100615-MB		

Analyte	Concentration (mg/kg)			RL	EDL	Comments
C1 - Phenanthrene/Anthracene			U	0.826	0.413	
C2 - Phenanthrene/Anthracene			U	0.826	0.413	
C3 - Phenanthrene/Anthracene			U	0.826	0.413	
C4 - Phenanthrene/Anthracene			U	0.826	0.413	
Dibenzothiophene	826	780		0.826	0.413	89
C1 - Dibenzothiophene			U	0.826	0.413	
C2 - Dibenzothiophene			U	0.826	0.413	
C3 - Dibenzothiophene			U	0.826	0.413	
C4 - Dibenzothiophene			U	0.826	0.413	
Benzo(b)naphtho(2,1-d)thiophene			U	0.826	0.413	
Fluoranthene	826	807		0.826	0.413	95
Pyrene	826	933		0.826	0.413	93
C1 - Fluoranthene/Pyrene			U	0.826	0.413	
C2 - Fluoranthene/Pyrene			U	0.826	0.413	
C3 - Fluoranthene/Pyrene			U	0.826	0.413	
Benz(a)anthracene	826	818		0.826	0.413	96
Chrysene*	826	810		0.826	0.413	92
C1 - Benz(a)anthracene/Chrysene			U	0.826	0.413	
C2 - Benz(a)anthracene/Chrysene			U	0.826	0.413	
C3 - Benz(a)anthracene/Chrysene			U	0.826	0.413	
C4 - Benz(a)anthracene/Chrysene			U	0.826	0.413	
Benzo(b)fluoranthene	826	798		0.826	0.413	95
Benzo(j/k)fluoranthene	826	784		0.826	0.413	94
Benzo(e)pyrene	826	775		0.826	0.413	89
Benzo(a)pyrene	826	814		0.826	0.413	96
Perylene			BU	0.826	0.413	
Indeno(1,2,3-cd)pyrene	826	784		0.826	0.413	94
Dibenz(a,h)anthracene	826	813		0.826	0.413	98
Benzo(g,h,i)perylene	826	776		0.826	0.413	92
Coronene			U	0.826	0.413	
Retene			U	0.826	0.413	
Benzo(b/c)fluorenes			U	0.826	0.413	
2-Methylpyrene			U	0.826	0.413	
4-Methylpyrene			U	0.826	0.413	
1-Methylpyrene			U	0.826	0.413	
Heptadecane			U	0.826	0.413	
Pristane			U	0.826	0.413	
Octadecane			U	0.826	0.413	
Phytane			U	0.826	0.413	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Matrix Spike of NAPL F

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3580
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-01MS		
File ID:	E062311.D	Matrix:	NAPL
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/15/2010	Sample Size (g):	0.01
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	6/24/2010	Extract Volume (µl):	2000
Instrument:	El Camino	Prep DF:	1
Operator:	ERL	Analysis DF:	1
		Injection Volume (µl):	1.00
Batch QC:	QC100615-MB		

Analyte	Concentration (mg/kg)		RL	EDL	Comments
2,6,10-trimethyldodecane		U	0.826	0.413	
2,6,10-trimethyltridecane		U	0.826	0.413	
Norpristane		U	0.826	0.413	
Extraction Surrogate Recoveries (%)			Limits		
Toluene-d8	72		50 - 120		
Phenanthrene-d10	84		50 - 120		
Benzo(a)pyrene-d12	103		50 - 120		
Perylene-d12	104		50 - 120		

NA - Not applicable.
B - Analyte detected in the Blank.
J - Estimated value; detected between the RL and DL.
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.
* - Triphenylene is known to coelute with this compound.

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Matrix Spike Duplicate of NAPL F

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3580
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-01MSD		
File ID:	E062312.D	Matrix:	NAPL
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/15/2010	Sample Size (g):	0.01
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	6/24/2010	Extract Volume (µl):	2000
Instrument:	El Camino	Prep DF:	1
Operator:	ERL	Analysis DF:	1
		Injection Volume (µl):	1.00
Batch QC:	QC100615-MB		

Analyte	Concentration (mg/kg)			RL	EDL	Comments	
MAH & PAH COMPOUNDS:	Spike Amount					% Recovery	RPD
Benzene	885	681	B	0.89	0.44	77	9.4
Toluene	885	680	B	0.89	0.44	77	9.7
Ethylbenzene	885	673		0.89	0.44	76	10
m/p-Xylenes	885	662		0.89	0.44	75	9.8
Styrene	885	735		0.89	0.44	83	10.2
o-Xylene	885	671		0.89	0.44	76	9.9
Isopropylbenzene	885	711		0.89	0.44	80	10.2
n-Propylbenzene	885	714		0.89	0.44	81	9.5
1,3,5-Trimethylbenzene	885	707		0.89	0.44	80	10.7
1,2,4-Trimethylbenzene	885	712		0.89	0.44	80	9
t-Butylbenzene			U	0.89	0.44		
sec-Butylbenzene	885	714		0.89	0.44	81	9.2
p-Isopropyltoluene	885	737		0.89	0.44	83	9.1
n-Butylbenzene	885	743		0.89	0.44	84	8.4
C1 - Benzene			BU	0.89	0.44		
C2 - Benzene			U	0.89	0.44		
C3 - Benzene			U	0.89	0.44		
C4 - Benzene			U	0.89	0.44		
C5 - Benzene			U	0.89	0.44		
trans-Decalin			U	0.89	0.44		
cis-Decalin			U	0.89	0.44		
Naphthalene	885	754		0.89	0.44	83	7
2-Methylnaphthalene	885	858		0.89	0.44	85	3.2
1-Methylnaphthalene	885	848		0.89	0.44	86	4
C1 - Naphthalene			U	0.89	0.44		
C2 - Naphthalene			U	0.89	0.44		
C3 - Naphthalene			U	0.89	0.44		
C4 - Naphthalene			U	0.89	0.44		
Acenaphthylene	885	856		0.89	0.44	97	7.6
Acenaphthene	885	784	B	0.89	0.44	87	6.6
Dibenzofuran	885	766		0.89	0.44	86	7.2
Fluorene	885	836		0.89	0.44	91	6.2
C1 - Fluorene			U	0.89	0.44		
C2 - Fluorene			U	0.89	0.44		
C3 - Fluorene			U	0.89	0.44		
Phenanthrene	885	873		0.89	0.44	88	4.1
Anthracene	885	824		0.89	0.44	90	6.6

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Matrix Spike Duplicate of NAPL F

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3580
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-01MSD		
File ID:	E062312.D	Matrix:	NAPL
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/15/2010	Sample Size (g):	0.01
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	6/24/2010	Extract Volume (µl):	2000
Instrument:	El Camino	Prep DF:	1
Operator:	ERL	Analysis DF:	1
		Injection Volume (µl):	1.00
Batch QC:	QC100615-MB		

Analyte	Concentration (mg/kg)			RL	EDL	Comments	
C1 - Phenanthrene/Anthracene			U	0.89	0.44		
C2 - Phenanthrene/Anthracene			U	0.89	0.44		
C3 - Phenanthrene/Anthracene			U	0.89	0.44		
C4 - Phenanthrene/Anthracene			U	0.89	0.44		
Dibenzothiophene	885	821		0.89	0.44	88	5.1
C1 - Dibenzothiophene			U	0.89	0.44		
C2 - Dibenzothiophene			U	0.89	0.44		
C3 - Dibenzothiophene			U	0.89	0.44		
C4 - Dibenzothiophene			U	0.89	0.44		
Benzo(b)naphtho(2,1-d)thiophene			U	0.89	0.44		
Fluoranthene	885	858		0.89	0.44	95	6.1
Pyrene	885	961		0.89	0.44	90	3
C1 - Fluoranthene/Pyrene			U	0.89	0.44		
C2 - Fluoranthene/Pyrene			U	0.89	0.44		
C3 - Fluoranthene/Pyrene			U	0.89	0.44		
Benz(a)anthracene	885	868		0.89	0.44	96	5.9
Chrysene*	885	856		0.89	0.44	91	5.5
C1 - Benz(a)anthracene/Chrysene			U	0.89	0.44		
C2 - Benz(a)anthracene/Chrysene			U	0.89	0.44		
C3 - Benz(a)anthracene/Chrysene			U	0.89	0.44		
C4 - Benz(a)anthracene/Chrysene			U	0.89	0.44		
Benzo(b)fluoranthene	885	855		0.89	0.44	95	6.9
Benzo(j/k)fluoranthene	885	838		0.89	0.44	94	6.7
Benzo(e)pyrene	885	823		0.89	0.44	89	6
Benzo(a)pyrene	885	868		0.89	0.44	96	6.4
Perylene			BU	0.89	0.44		
Indeno(1,2,3-cd)pyrene	885	868		0.89	0.44	97	10.2
Dibenz(a,h)anthracene	885	878		0.89	0.44	99	7.7
Benzo(g,h,i)perylene	885	833		0.89	0.44	92	7.1
Coronene			U	0.89	0.44		
Retene			U	0.89	0.44		
Benzo(b/c)fluorenes			U	0.89	0.44		
2-Methylpyrene			U	0.89	0.44		
4-Methylpyrene			U	0.89	0.44		
1-Methylpyrene			U	0.89	0.44		
Heptadecane			U	0.89	0.44		
Pristane			U	0.89	0.44		
Octadecane			U	0.89	0.44		
Phytane			U	0.89	0.44		

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Matrix Spike Duplicate of NAPL F

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3580
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-01MSD		
File ID:	E062312.D	Matrix:	NAPL
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/15/2010	Sample Size (g):	0.01
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	6/24/2010	Extract Volume (µl):	2000
Instrument:	El Camino	Prep DF:	1
Operator:	ERL	Analysis DF:	1
		Injection Volume (µl):	1.00
Batch QC:	QC100615-MB		

Analyte	Concentration (mg/kg)		RL	EDL	Comments
2,6,10-trimethyldodecane		U	0.89	0.44	
2,6,10-trimethyltridecane		U	0.89	0.44	
Norpristane		U	0.89	0.44	
Extraction Surrogate Recoveries (%)			Limits		
Toluene-d8	72		50 - 120		
Phenanthrene-d10	84		50 - 120		
Benzo(a)pyrene-d12	104		50 - 120		
Perylene-d12	104		50 - 120		

NA - Not applicable.
B - Analyte detected in the Blank.
J - Estimated value; detected between the RL and DL.
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.
* - Triphenylene is known to coelute with this compound.

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Soil Blank

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	QC100615-SB		
File ID:	E062304.D	Matrix:	Sediment
		Preservation:	None
Date Sampled:	NA	Decanted:	None
Date Received:	NA		
Date Prepared:	6/15/2010	Sample Size (g):	4.00
Date Cleanup:	NA	Percent Solid:	100.0%
Date Analyzed:	6/23/2010	Extract Volume (µl):	2000
Instrument:	El Camino	Prep DF:	1
Operator:	ERL	Analysis DF:	1
		Injection Volume (µl):	1.00
Batch QC:	QC100615-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
MAH & PAH COMPOUNDS:				
Benzene	0.011	0.003	0.001	
Toluene	0.005	0.003	0.001	
Ethylbenzene	0.002 J	0.003	0.001	
m/p-Xylenes	0.002 J	0.003	0.001	
Styrene	0.003 J	0.003	0.001	
o-Xylene	0.002 J	0.003	0.001	
Isopropylbenzene	0.002 J	0.003	0.001	
n-Propylbenzene	0.002 J	0.003	0.001	
1,3,5-Trimethylbenzene	0.002 J	0.003	0.001	
1,2,4-Trimethylbenzene	0.002 J	0.003	0.001	
t-Butylbenzene	U	0.003	0.001	
sec-Butylbenzene	0.002 J	0.003	0.001	
p-Isopropyltoluene	0.001 J	0.003	0.001	
n-Butylbenzene	0.002 J	0.003	0.001	
C1 - Benzene	0.004	0.003	0.001	
C2 - Benzene	0.001 J	0.003	0.001	
C3 - Benzene	U	0.003	0.001	
C4 - Benzene	U	0.003	0.001	
C5 - Benzene	U	0.003	0.001	
trans-Decalin	U	0.003	0.001	
cis-Decalin	U	0.003	0.001	
Naphthalene	0.002 J	0.003	0.001	
2-Methylnaphthalene	0.002 J	0.003	0.001	
1-Methylnaphthalene	0.002 J	0.003	0.001	
C1 - Naphthalene	0.001 J	0.003	0.001	
C2 - Naphthalene	U	0.003	0.001	
C3 - Naphthalene	U	0.003	0.001	
C4 - Naphthalene	U	0.003	0.001	
Acenaphthylene	0.002 J	0.003	0.001	
Acenaphthene	0.002 J	0.003	0.001	
Dibenzofuran	0.002 J	0.003	0.001	
Fluorene	0.002 J	0.003	0.001	
C1 - Fluorene	U	0.003	0.001	
C2 - Fluorene	0.001 J	0.003	0.001	
C3 - Fluorene	U	0.003	0.001	
Phenanthrene	0.002 J	0.003	0.001	
Anthracene	0.002 J	0.003	0.001	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Soil Blank

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	QC100615-SB		
File ID:	E062304.D	Matrix:	Sediment
		Preservation:	None
Date Sampled:	NA	Decanted:	None
Date Received:	NA		
Date Prepared:	6/15/2010	Sample Size (g):	4.00
Date Cleanup:	NA	Percent Solid:	100.0%
Date Analyzed:	6/23/2010	Extract Volume (µl):	2000
Instrument:	El Camino	Prep DF:	1
Operator:	ERL	Analysis DF:	1
		Injection Volume (µl):	1.00
Batch QC:	QC100615-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
C1 - Phenanthrene/Anthracene	U	0.003	0.001	
C2 - Phenanthrene/Anthracene	U	0.003	0.001	
C3 - Phenanthrene/Anthracene	U	0.003	0.001	
C4 - Phenanthrene/Anthracene	U	0.003	0.001	
Dibenzothiophene	0.002 J	0.003	0.001	
C1 - Dibenzothiophene	U	0.003	0.001	
C2 - Dibenzothiophene	U	0.003	0.001	
C3 - Dibenzothiophene	U	0.003	0.001	
C4 - Dibenzothiophene	U	0.003	0.001	
Benzo(b)naphtho(2,1-d)thiophene	U	0.003	0.001	
Fluoranthene	0.002 J	0.003	0.001	
Pyrene	0.002 J	0.003	0.001	
C1 - Fluoranthene/Pyrene	U	0.003	0.001	
C2 - Fluoranthene/Pyrene	U	0.003	0.001	
C3 - Fluoranthene/Pyrene	U	0.003	0.001	
Benz(a)anthracene	0.002 J	0.003	0.001	
Chrysene*	0.002 J	0.003	0.001	
C1 - Benz(a)anthracene/Chrysene	U	0.003	0.001	
C2 - Benz(a)anthracene/Chrysene	U	0.003	0.001	
C3 - Benz(a)anthracene/Chrysene	U	0.003	0.001	
C4 - Benz(a)anthracene/Chrysene	U	0.003	0.001	
Benzo(b)fluoranthene	0.002 J	0.003	0.001	
Benzo(j/k)fluoranthene	0.002 J	0.003	0.001	
Benzo(e)pyrene	0.002 J	0.003	0.001	
Benzo(a)pyrene	0.002 J	0.003	0.001	
Perylene	0.001 J	0.003	0.001	
Indeno(1,2,3-cd)pyrene	0.002 J	0.003	0.001	
Dibenz(a,h)anthracene	0.002 J	0.003	0.001	
Benzo(g,h,i)perylene	0.002 J	0.003	0.001	
Coronene	U	0.003	0.001	
Retene	U	0.003	0.001	
Benzo(b/c)fluorenes	U	0.003	0.001	
2-Methylpyrene	U	0.003	0.001	
4-Methylpyrene	U	0.003	0.001	
1-Methylpyrene	U	0.003	0.001	
Heptadecane	0.016	0.003	0.001	
Pristane	0.012	0.003	0.001	
Octadecane	0.021	0.003	0.001	
Phytane	0.013	0.003	0.001	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Soil Blank

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	QC100615-SB		
File ID:	E062304.D	Matrix:	Sediment
		Preservation:	None
Date Sampled:	NA	Decanted:	None
Date Received:	NA		
Date Prepared:	6/15/2010	Sample Size (g):	4.00
Date Cleanup:	NA	Percent Solid:	100.0%
Date Analyzed:	6/23/2010	Extract Volume (µl):	2000
Instrument:	El Camino	Prep DF:	1
Operator:	ERL	Analysis DF:	1
		Injection Volume (µl):	1.00
Batch QC:	QC100615-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
2,6,10-trimethyldodecane	0.008	0.003	0.001	
2,6,10-trimethyltridecane	U	0.003	0.001	
Norpristane	0.005	0.003	0.001	
Total PAH (16)	0.032	0.003	0.001	
Total PAH (42)	0.041	0.003	0.001	

Extraction Surrogate Recoveries (%)		Limits
Toluene-d8	69	50 - 120
Phenanthrene-d10	79	50 - 120
Benzo(a)pyrene-d12	93	50 - 120
Perylene-d12	94	50 - 120

NA - Not applicable.
B - Analyte detected in the Blank.
J - Estimated value; detected between the RL and DL.
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.
* - Triphenylene is known to coelute with this compound.

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Soil Blank Spike

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	QC100615-SBS		
File ID:	E062305.D	Matrix:	Sediment
		Preservation:	None
Date Sampled:	NA	Decanted:	None
Date Received:	NA		
Date Prepared:	6/15/2010	Sample Size (g):	4.00
Date Cleanup:	NA	Percent Solid:	100.0%
Date Analyzed:	6/23/2010	Extract Volume (µl):	2000
Instrument:	El Camino	Prep DF:	1
Operator:	ERL	Analysis DF:	1
		Injection Volume (µl):	1.00
Batch QC:	QC100615-SB		

Analyte	Concentration (mg/kg dry wt.)			RL	EDL	Comments
MAH & PAH COMPOUNDS:	Spike Amount					% Recovery
Benzene	2.5	1.58	B	0.003	0.001	63
Toluene	2.5	1.74	B	0.003	0.001	70
Ethylbenzene	2.5	1.7	B	0.003	0.001	68
m/p-Xylenes	2.5	1.68	B	0.003	0.001	67
Styrene	2.5	1.84	B	0.003	0.001	74
o-Xylene	2.5	1.7	B	0.003	0.001	68
Isopropylbenzene	2.5	1.8	B	0.003	0.001	72
n-Propylbenzene	2.5	1.83	B	0.003	0.001	73
1,3,5-Trimethylbenzene	2.5	1.82	B	0.003	0.001	73
1,2,4-Trimethylbenzene	2.5	1.8	B	0.003	0.001	72
t-Butylbenzene			U	0.003	0.001	
sec-Butylbenzene	2.5	1.82	B	0.003	0.001	73
p-Isopropyltoluene	2.5	1.89	B	0.003	0.001	76
n-Butylbenzene	2.5	1.9	B	0.003	0.001	76
C1 - Benzene			BU	0.003	0.001	
C2 - Benzene			BU	0.003	0.001	
C3 - Benzene			U	0.003	0.001	
C4 - Benzene			U	0.003	0.001	
C5 - Benzene			U	0.003	0.001	
trans-Decalin			U	0.003	0.001	
cis-Decalin			U	0.003	0.001	
Naphthalene	2.5	1.89	B	0.003	0.001	76
2-Methylnaphthalene	2.5	1.93	B	0.003	0.001	77
1-Methylnaphthalene	2.5	1.94	B	0.003	0.001	78
C1 - Naphthalene			BU	0.003	0.001	
C2 - Naphthalene			U	0.003	0.001	
C3 - Naphthalene			U	0.003	0.001	
C4 - Naphthalene			U	0.003	0.001	
Acenaphthylene	2.5	2.15	B	0.003	0.001	86
Acenaphthene	2.5	1.99	B	0.003	0.001	80
Dibenzofuran	2.5	1.96	B	0.003	0.001	78
Fluorene	2.5	2.08	B	0.003	0.001	83
C1 - Fluorene			U	0.003	0.001	
C2 - Fluorene			BU	0.003	0.001	
C3 - Fluorene			U	0.003	0.001	
Phenanthrene	2.5	2.01	B	0.003	0.001	80
Anthracene	2.5	2.01	B	0.003	0.001	80

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Soil Blank Spike

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	QC100615-SBS		
File ID:	E062305.D	Matrix:	Sediment
		Preservation:	None
Date Sampled:	NA	Decanted:	None
Date Received:	NA		
Date Prepared:	6/15/2010	Sample Size (g):	4.00
Date Cleanup:	NA	Percent Solid:	100.0%
Date Analyzed:	6/23/2010	Extract Volume (µl):	2000
Instrument:	El Camino	Prep DF:	1
Operator:	ERL	Analysis DF:	1
		Injection Volume (µl):	1.00
Batch QC:	QC100615-SB		

Analyte	Concentration (mg/kg dry wt.)			RL	EDL	Comments
C1 - Phenanthrene/Anthracene			U	0.003	0.001	
C2 - Phenanthrene/Anthracene			U	0.003	0.001	
C3 - Phenanthrene/Anthracene			U	0.003	0.001	
C4 - Phenanthrene/Anthracene			U	0.003	0.001	
Dibenzothiophene	2.5	1.98	B	0.003	0.001	79
C1 - Dibenzothiophene			U	0.003	0.001	
C2 - Dibenzothiophene			U	0.003	0.001	
C3 - Dibenzothiophene			U	0.003	0.001	
C4 - Dibenzothiophene			U	0.003	0.001	
Benzo(b)naphtho(2,1-d)thiophene			U	0.003	0.001	
Fluoranthene	2.5	2.16	B	0.003	0.001	86
Pyrene	2.5	2.14	B	0.003	0.001	86
C1 - Fluoranthene/Pyrene			U	0.003	0.001	
C2 - Fluoranthene/Pyrene			U	0.003	0.001	
C3 - Fluoranthene/Pyrene			U	0.003	0.001	
Benz(a)anthracene	2.5	2.14	B	0.003	0.001	86
Chrysene*	2.5	2.08	B	0.003	0.001	83
C1 - Benz(a)anthracene/Chrysene			U	0.003	0.001	
C2 - Benz(a)anthracene/Chrysene			U	0.003	0.001	
C3 - Benz(a)anthracene/Chrysene			U	0.003	0.001	
C4 - Benz(a)anthracene/Chrysene			U	0.003	0.001	
Benzo(b)fluoranthene	2.5	2.12	B	0.003	0.001	85
Benzo(j/k)fluoranthene	2.5	2.16	B	0.003	0.001	86
Benzo(e)pyrene	2.5	2.03	B	0.003	0.001	81
Benzo(a)pyrene	2.5	2.12	B	0.003	0.001	85
Perylene			BU	0.003	0.001	
Indeno(1,2,3-cd)pyrene	2.5	2.06	B	0.003	0.001	82
Dibenz(a,h)anthracene	2.5	2.18	B	0.003	0.001	87
Benzo(g,h,i)perylene	2.5	2.07	B	0.003	0.001	83
Coronene			U	0.003	0.001	
Retene			U	0.003	0.001	
Benzo(b/c)fluorenes			U	0.003	0.001	
2-Methylpyrene			U	0.003	0.001	
4-Methylpyrene			U	0.003	0.001	
1-Methylpyrene			U	0.003	0.001	
Heptadecane			BU	0.003	0.001	
Pristane			BU	0.003	0.001	
Octadecane			BU	0.003	0.001	
Phytane			BU	0.003	0.001	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Soil Blank Spike

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	QC100615-SBS		
File ID:	E062305.D	Matrix:	Sediment
		Preservation:	None
Date Sampled:	NA	Decanted:	None
Date Received:	NA		
Date Prepared:	6/15/2010	Sample Size (g):	4.00
Date Cleanup:	NA	Percent Solid:	100.0%
Date Analyzed:	6/23/2010	Extract Volume (µl):	2000
Instrument:	El Camino	Prep DF:	1
Operator:	ERL	Analysis DF:	1
		Injection Volume (µl):	1.00
Batch QC:	QC100615-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
2,6,10-trimethyldodecane		BU	0.003	0.001	
2,6,10-trimethyltridecane		U	0.003	0.001	
Norpristane		BU	0.003	0.001	

Extraction Surrogate Recoveries (%)		Limits
Toluene-d8	67	50 - 120
Phenanthrene-d10	76	50 - 120
Benzo(a)pyrene-d12	89	50 - 120
Perylene-d12	89	50 - 120

NA - Not applicable.
B - Analyte detected in the Blank.
J - Estimated value; detected between the RL and DL.
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.
* - Triphenylene is known to coelute with this compound.

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Duplicate of NAPL E

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-09DUP-D1		
File ID:	E062320.D	Matrix:	Sediment
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/15/2010	Sample Size (g):	4.20
Date Cleanup:	NA	Percent Solid:	44.6%
Date Analyzed:	6/24/2010	Extract Volume (µl):	2000
Instrument:	El Camino	Prep DF:	1
Operator:	ERL	Analysis DF:	20
		Injection Volume (µl):	1.00
Batch QC:	QC100615-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
MAH & PAH COMPOUNDS:					RPD
Benzene	0.220	B	0.107	0.053	24.4
Toluene	0.640	B	0.107	0.053	30.9
Ethylbenzene		BU	0.107	0.053	NA
m/p-Xylenes	0.671	B	0.107	0.053	44
Styrene	0.056	JB	0.107	0.053	NA
o-Xylene	0.059	JB	0.107	0.053	NA
Isopropylbenzene		BU	0.107	0.053	NA
n-Propylbenzene		BU	0.107	0.053	NA
1,3,5-Trimethylbenzene		BU	0.107	0.053	NA
1,2,4-Trimethylbenzene		BU	0.107	0.053	NA
t-Butylbenzene		U	0.107	0.053	NA
sec-Butylbenzene		BU	0.107	0.053	NA
p-Isopropyltoluene		BU	0.107	0.053	NA
n-Butylbenzene	0.088	JB	0.107	0.053	29.1
C1 - Benzene	0.420	B	0.107	0.053	33.7
C2 - Benzene	0.454	B	0.107	0.053	41
C3 - Benzene	0.201		0.107	0.053	25.2
C4 - Benzene	0.229		0.107	0.053	5.4
C5 - Benzene	0.303		0.107	0.053	30.9
trans-Decalin		U	0.107	0.053	NA
cis-Decalin		U	0.107	0.053	NA
Naphthalene	0.154	B	0.107	0.053	15
2-Methylnaphthalene	0.075	JB	0.107	0.053	0
1-Methylnaphthalene	0.065	JB	0.107	0.053	3
C1 - Naphthalene	0.121	B	0.107	0.053	12.3
C2 - Naphthalene	0.716		0.107	0.053	10.3
C3 - Naphthalene	1.86		0.107	0.053	68
C4 - Naphthalene	2.23		0.107	0.053	43.7
Acenaphthylene		BU	0.107	0.053	NA
Acenaphthene	0.127	B	0.107	0.053	NA
Dibenzofuran	0.092	JB	0.107	0.053	20.5
Fluorene	0.104	JB	0.107	0.053	7.4
C1 - Fluorene	1.02		0.107	0.053	44.2
C2 - Fluorene	0.945	B	0.107	0.053	56.6
C3 - Fluorene	3.32		0.107	0.053	35
Phenanthrene	0.468	B	0.107	0.053	21.7
Anthracene	0.105	JB	0.107	0.053	34

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Duplicate of NAPL E

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-09DUP-D1		
File ID:	E062320.D	Matrix:	Sediment
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/15/2010	Sample Size (g):	4.20
Date Cleanup:	NA	Percent Solid:	44.6%
Date Analyzed:	6/24/2010	Extract Volume (µl):	2000
Instrument:	El Camino	Prep DF:	1
Operator:	ERL	Analysis DF:	20
		Injection Volume (µl):	1.00
Batch QC:	QC100615-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
C1 - Phenanthrene/Anthracene	1.16		0.107	0.053	49.9
C2 - Phenanthrene/Anthracene	3.58		0.107	0.053	NA
C3 - Phenanthrene/Anthracene	9.38		0.107	0.053	69.2
C4 - Phenanthrene/Anthracene	2.65		0.107	0.053	43.7
Dibenzothiophene	0.095	JB	0.107	0.053	3.2
C1 - Dibenzothiophene	0.555		0.107	0.053	NA
C2 - Dibenzothiophene	1.16		0.107	0.053	53.7
C3 - Dibenzothiophene	3.99		0.107	0.053	64.7
C4 - Dibenzothiophene	19.5		0.107	0.053	71.7
Benzo(b)naphtho(2,1-d)thiophene	0.081	J	0.107	0.053	11.8
Fluoranthene	0.633	B	0.107	0.053	23.4
Pyrene	0.639	B	0.107	0.053	26.5
C1 - Fluoranthene/Pyrene	4.62		0.107	0.053	53.8
C2 - Fluoranthene/Pyrene	1.98		0.107	0.053	44.4
C3 - Fluoranthene/Pyrene	2.17		0.107	0.053	40.4
Benz(a)anthracene	0.147	B	0.107	0.053	33.4
Chrysene*	0.446	B	0.107	0.053	39.8
C1 - Benz(a)anthracene/Chrysene	0.468		0.107	0.053	28
C2 - Benz(a)anthracene/Chrysene	0.988		0.107	0.053	23.8
C3 - Benz(a)anthracene/Chrysene	0.917		0.107	0.053	65
C4 - Benz(a)anthracene/Chrysene	1.12		0.107	0.053	44.9
Benzo(b)fluoranthene	0.153	B	0.107	0.053	33.7
Benzo(j/k)fluoranthene	0.123	B	0.107	0.053	37.1
Benzo(e)pyrene	0.211	B	0.107	0.053	0.9
Benzo(a)pyrene	0.156	B	0.107	0.053	28.6
Perylene		BU	0.107	0.053	NA
Indeno(1,2,3-cd)pyrene	0.091	JB	0.107	0.053	31.5
Dibenz(a,h)anthracene		BU	0.107	0.053	NA
Benzo(g,h,i)perylene	0.101	JB	0.107	0.053	22
Coronene		U	0.107	0.053	NA
Retene	0.245		0.107	0.053	22.2
Benzo(b/c)fluorenes	0.510		0.107	0.053	48.8
2-Methylpyrene	0.120		0.107	0.053	22.2
4-Methylpyrene	0.156		0.107	0.053	32
1-Methylpyrene	0.112		0.107	0.053	19.6
Heptadecane	3.38	B	0.107	0.053	8.3
Pristane	9.71	B	0.107	0.053	161.3
Octadecane	2.69	B	0.107	0.053	120.3
Phytane	1.25	B	0.107	0.053	34.7

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Duplicate of NAPL E

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-09DUP-D1		
File ID:	E062320.D	Matrix:	Sediment
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/15/2010	Sample Size (g):	4.20
Date Cleanup:	NA	Percent Solid:	44.6%
Date Analyzed:	6/24/2010	Extract Volume (µl):	2000
Instrument:	El Camino	Prep DF:	1
Operator:	ERL	Analysis DF:	20
		Injection Volume (µl):	1.00
Batch QC:	QC100615-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
2,6,10-trimethyldodecane	0.499 B	0.107	0.053	71.2
2,6,10-trimethyltridecane	0.633	0.107	0.053	41.4
Norpristane	BU	0.107	0.053	NA
Total PAH (16)	3.45	0.107	0.053	21.7
Total PAH (42)	68.3	0.107	0.053	57.5

Extraction Surrogate Recoveries (%)		Limits
Toluene-d8	48	50 - 120
Phenanthrene-d10	78	50 - 120
Benzo(a)pyrene-d12	66	50 - 120
Perylene-d12	67	50 - 120

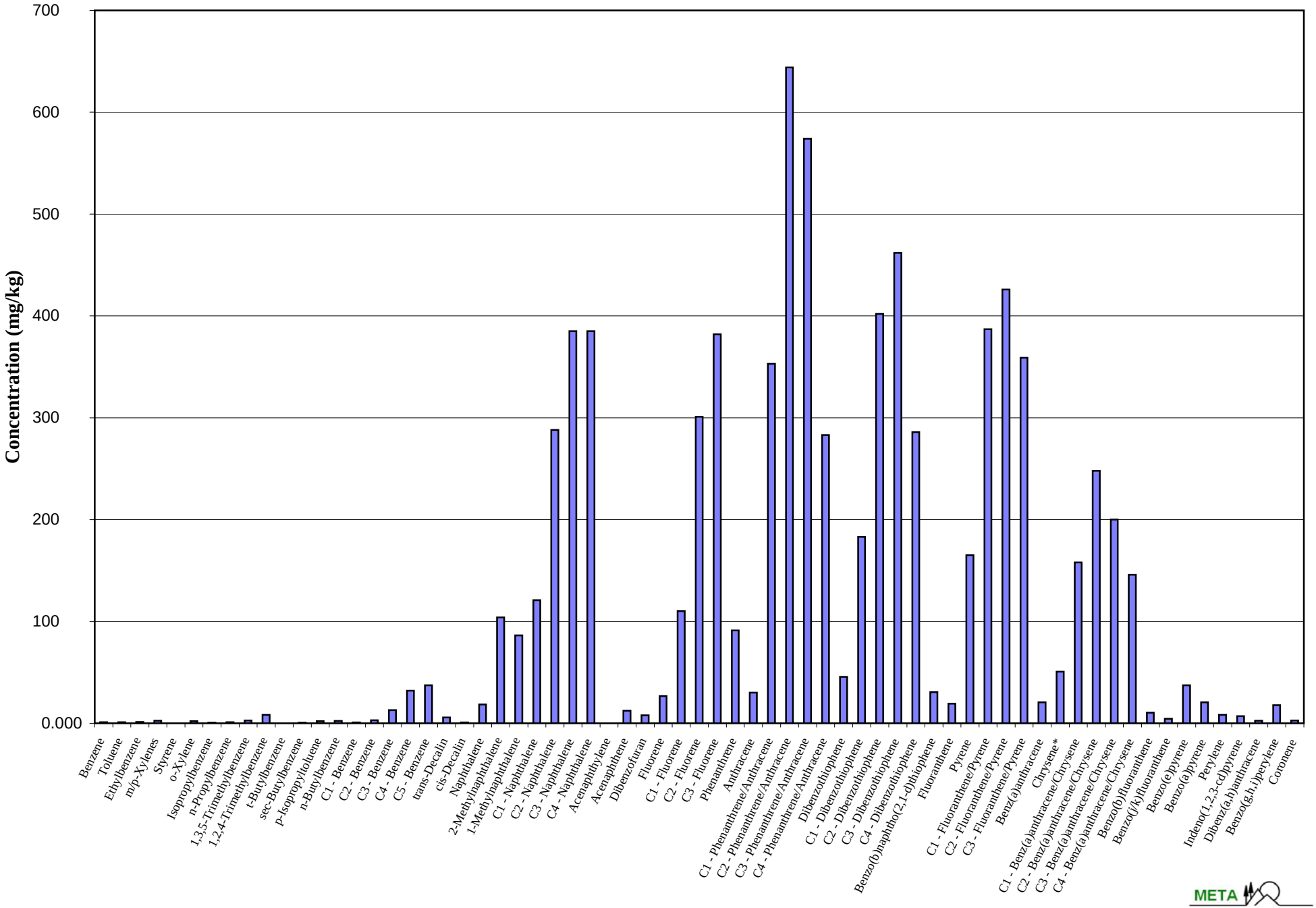
NA - Not applicable.
B - Analyte detected in the Blank.
J - Estimated value; detected between the RL and DL.
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.
* - Triphenylene is known to coelute with this compound.

Appendix D

Extended MAH/PAH Profiles – Histograms

NAPL F

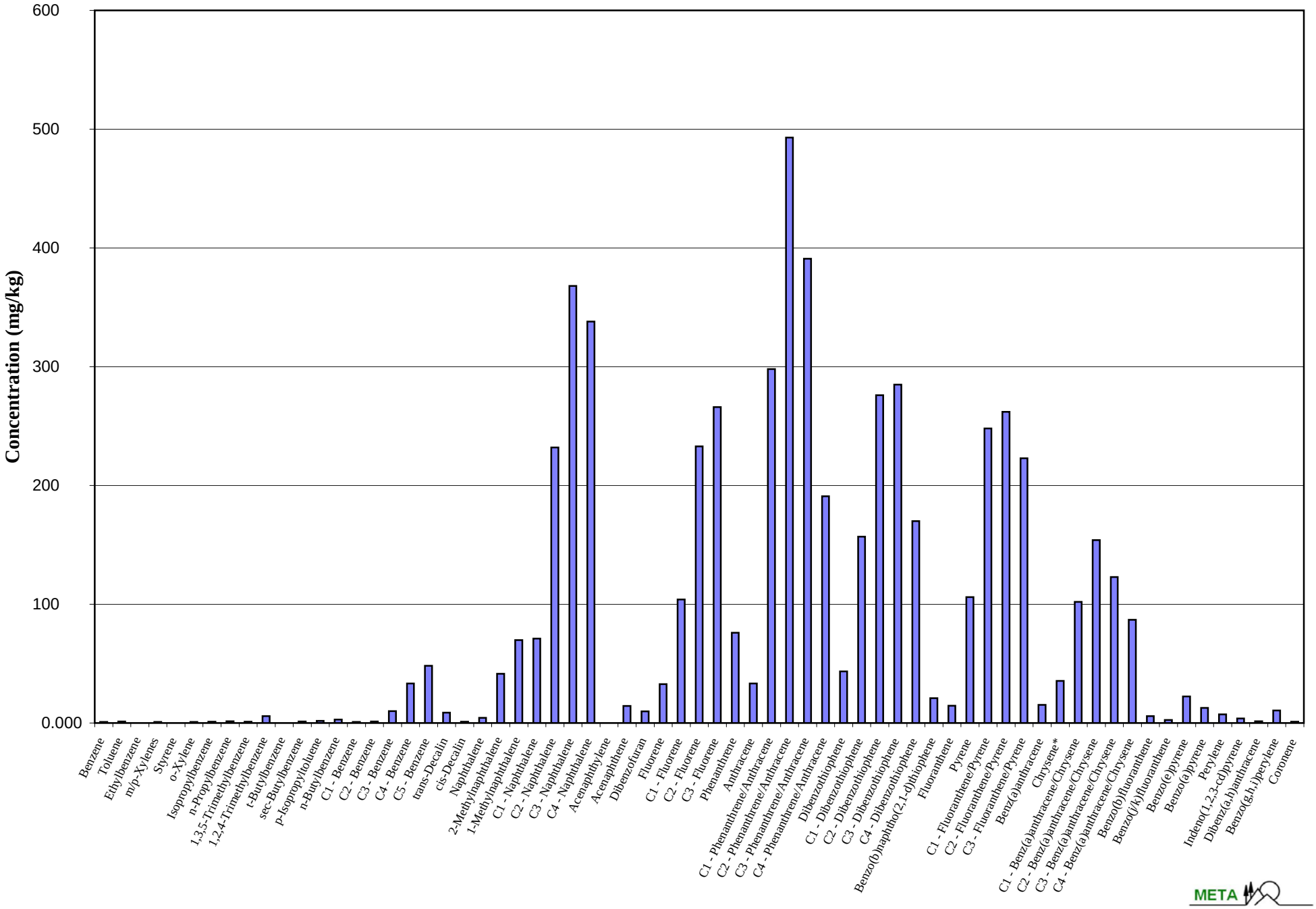
BD100612-01



META

NAPL B

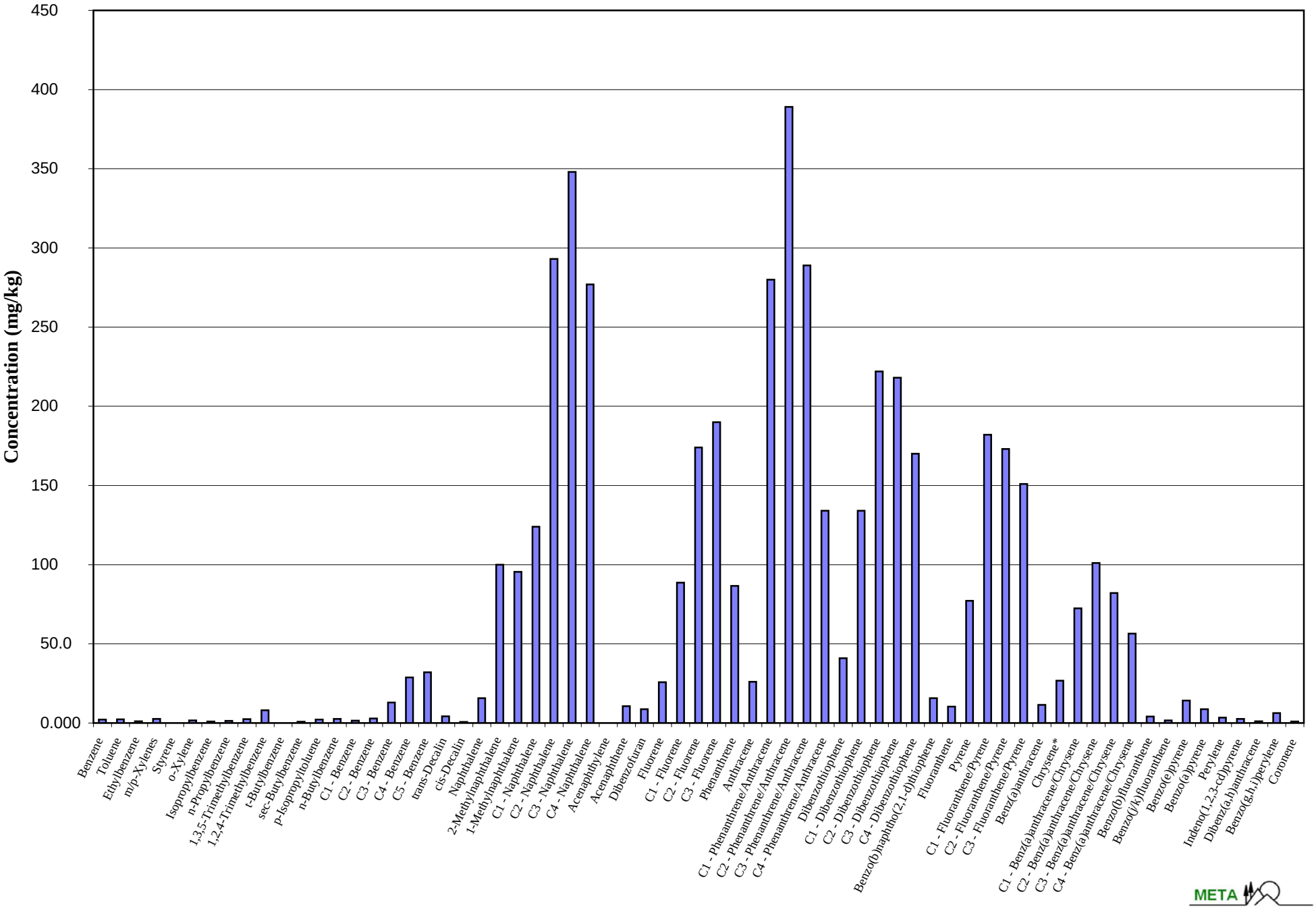
BD100612-03



META

NAPL C

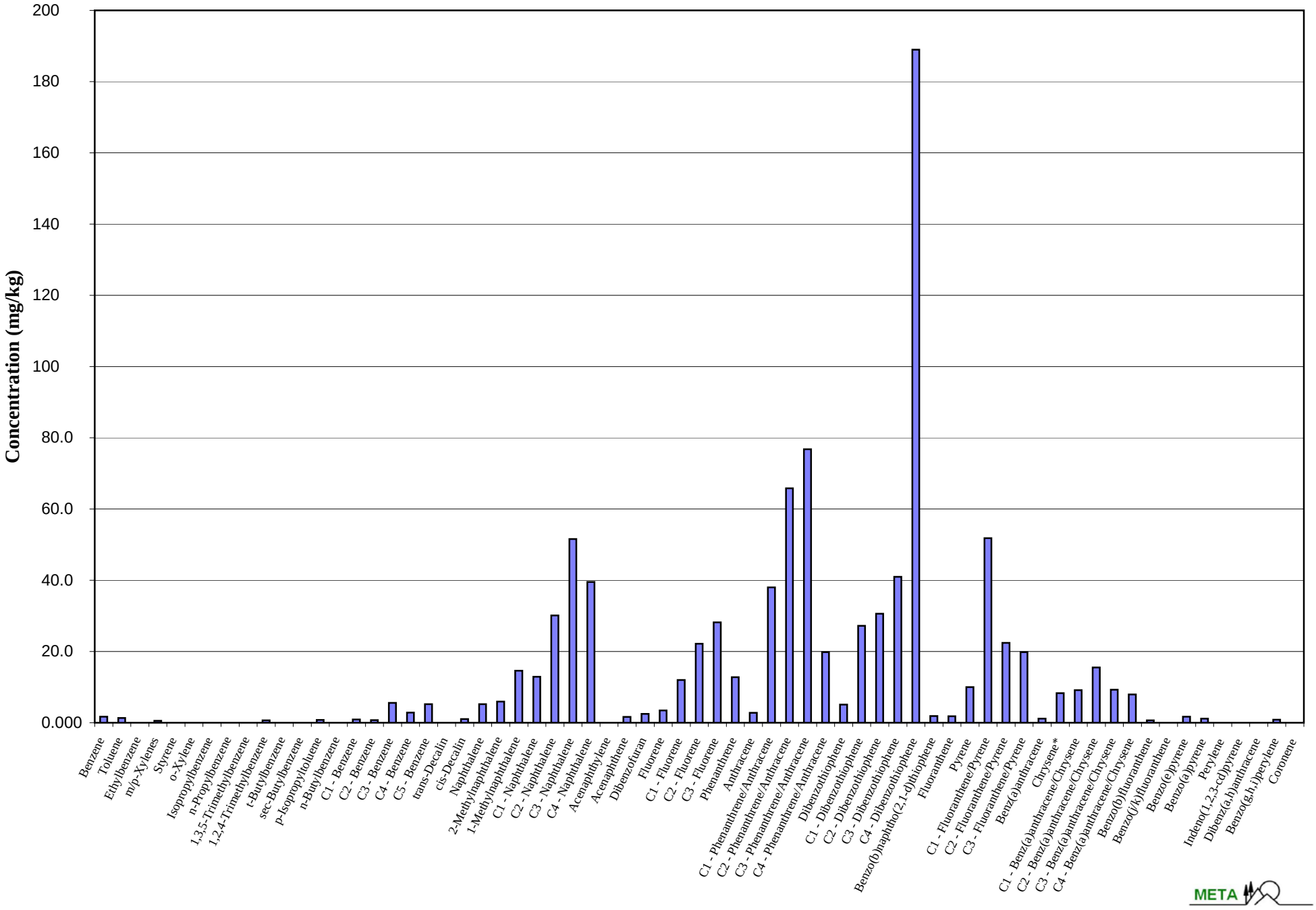
BD100612-05



META

NAPL D

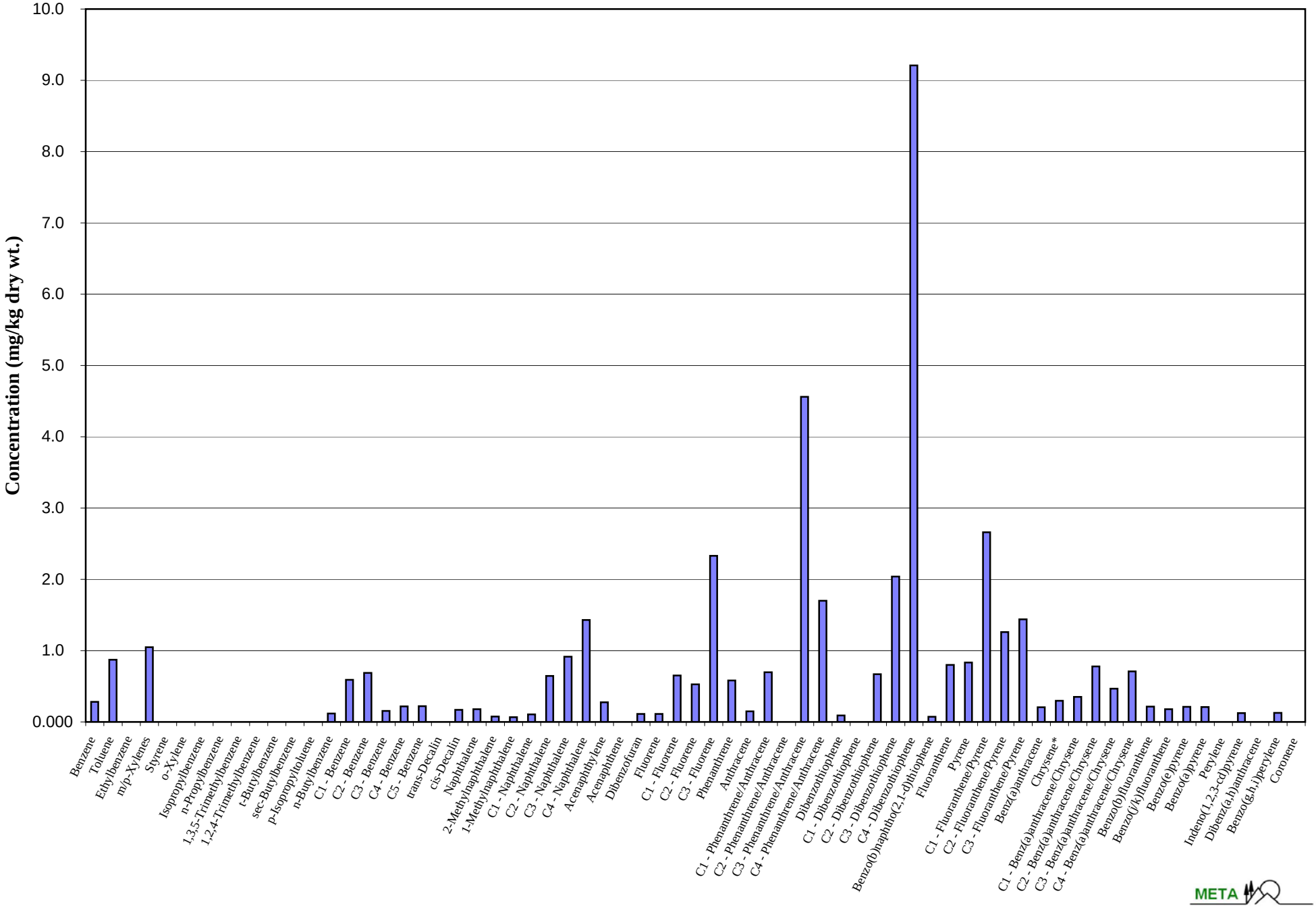
BD100612-07



META

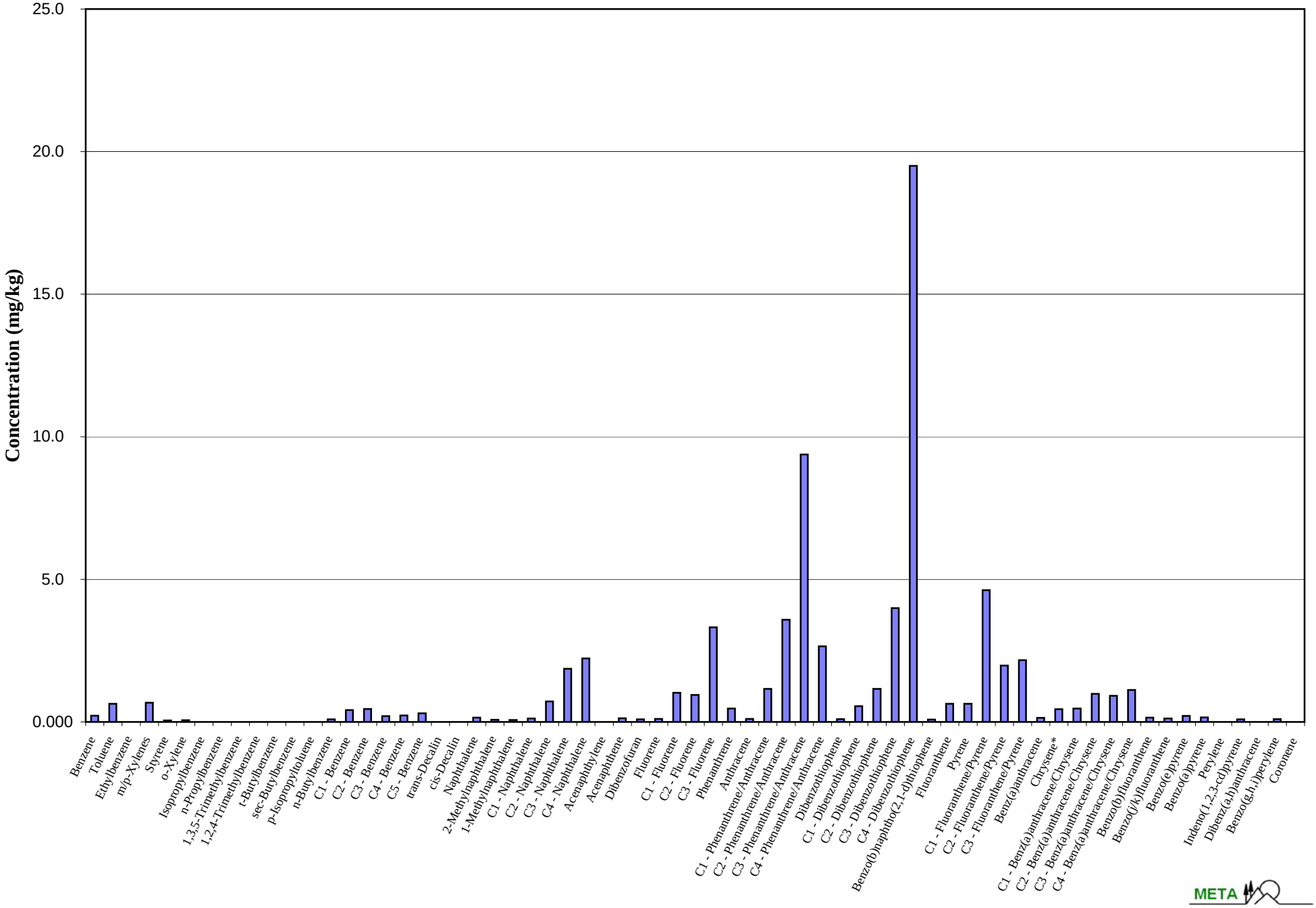
NAPL E

BD100612-09-D1



Duplicate of NAPL E

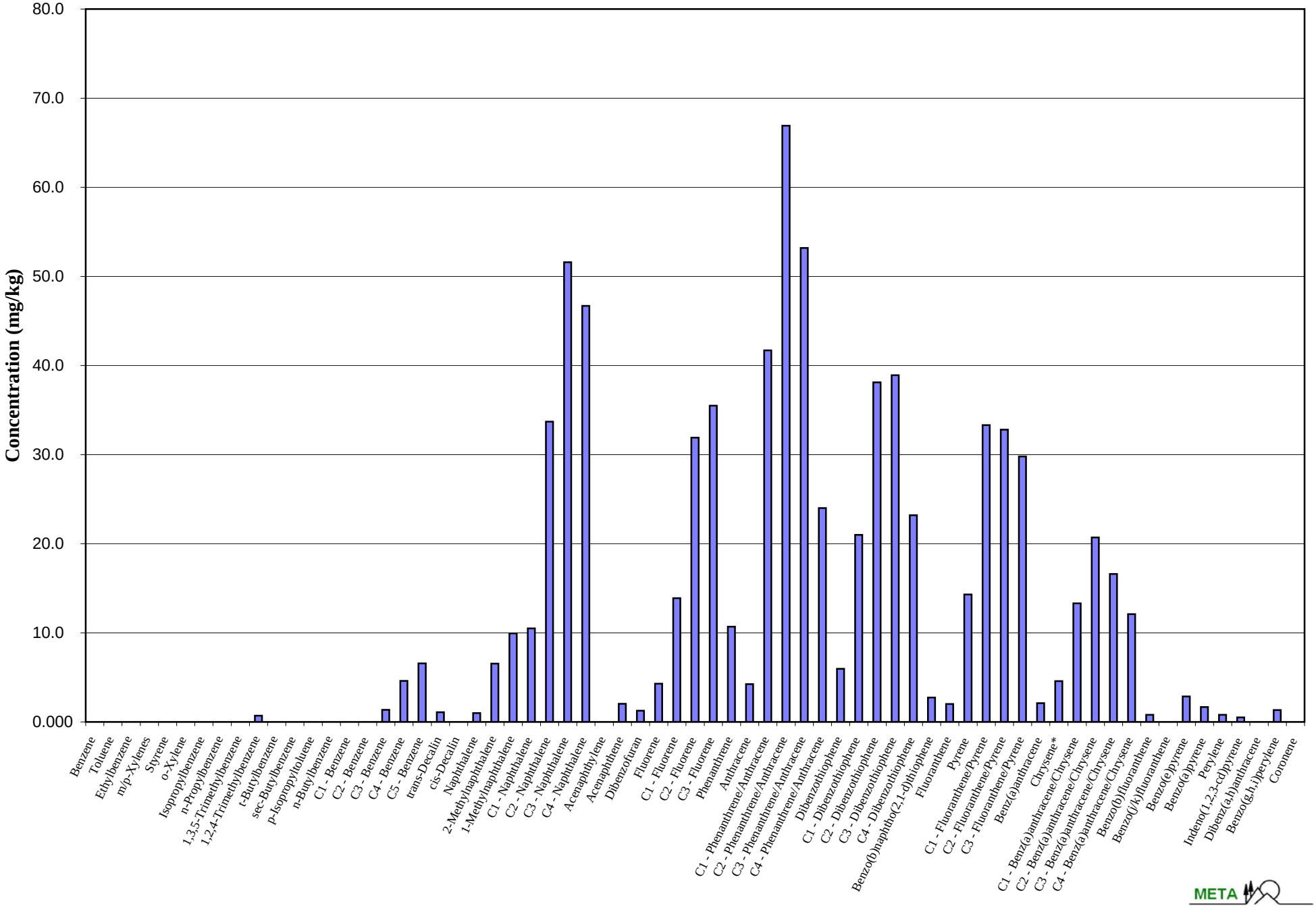
BD100612-09DUP-D1



META

DUP 061110

BD100612-11



META

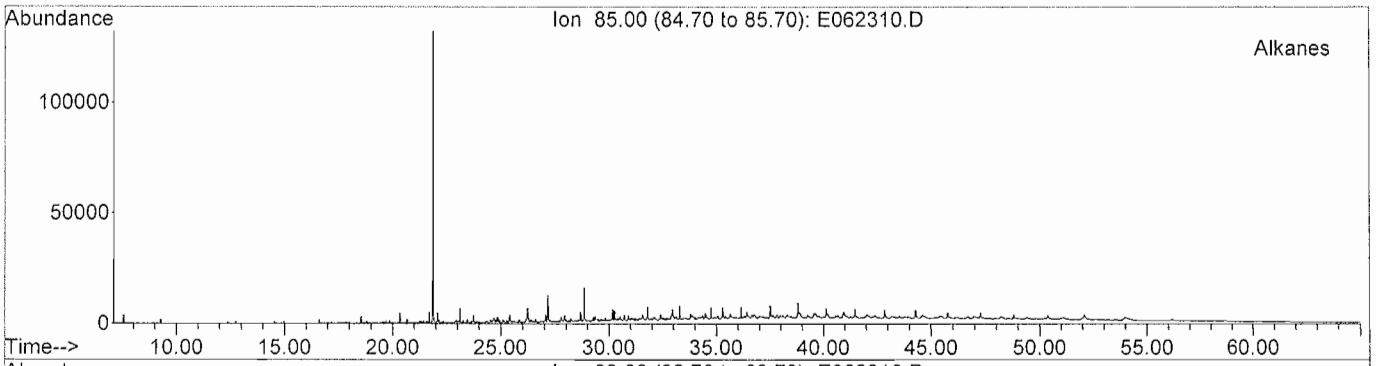
Appendix E

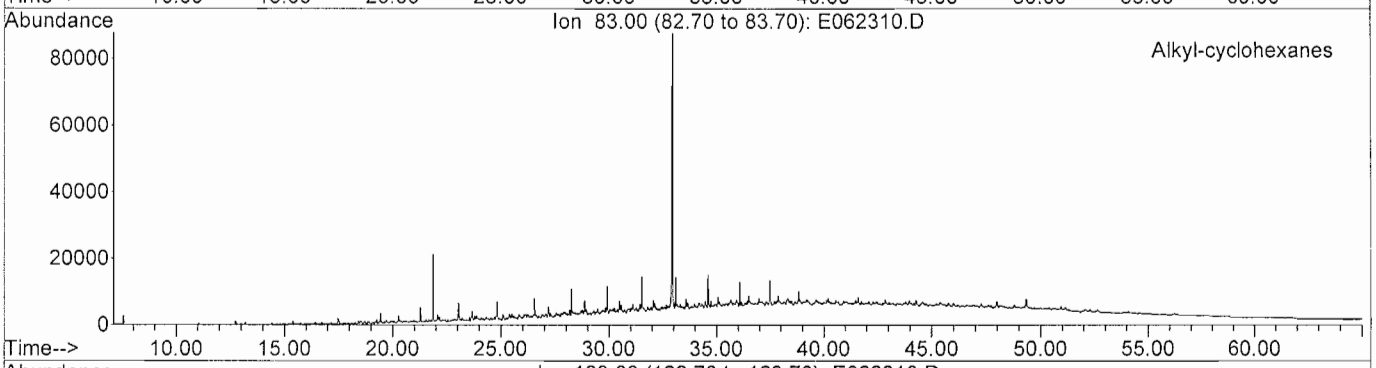
Extracted Ion Current Profiles (EICPs)

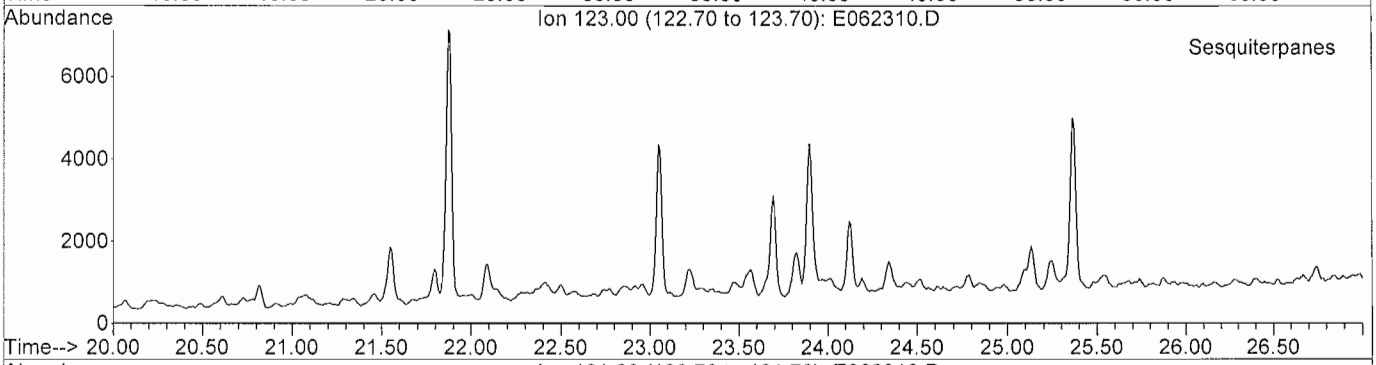
META Environmental, Inc.

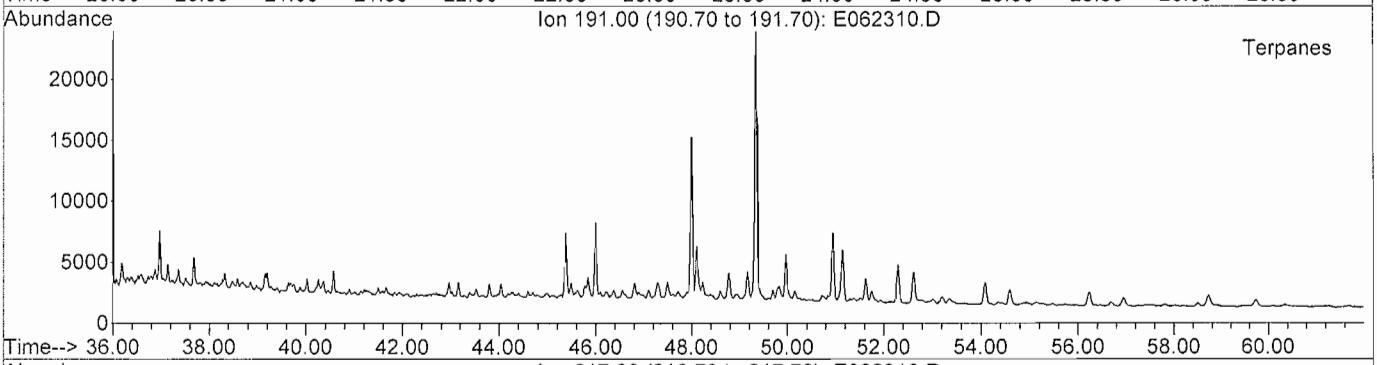
GC/MS EXTRACTED ION CHROMATOGRAM

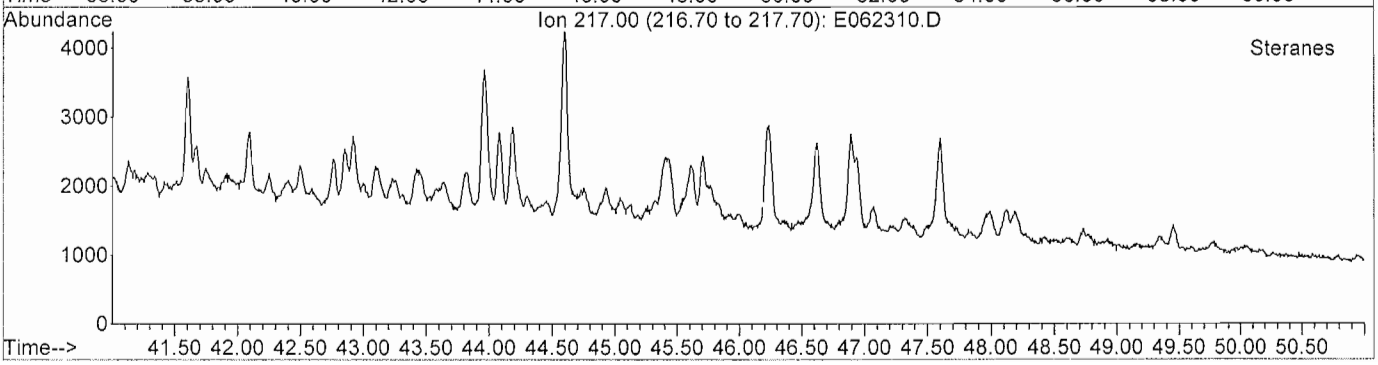
File: J:\1\DATA\E100623\E062310.D
Date Acquired: 24 Jun 2010 4:34 am
Sample Name: BD100612-01
Misc Info: NAPL F











META Environmental, Inc.

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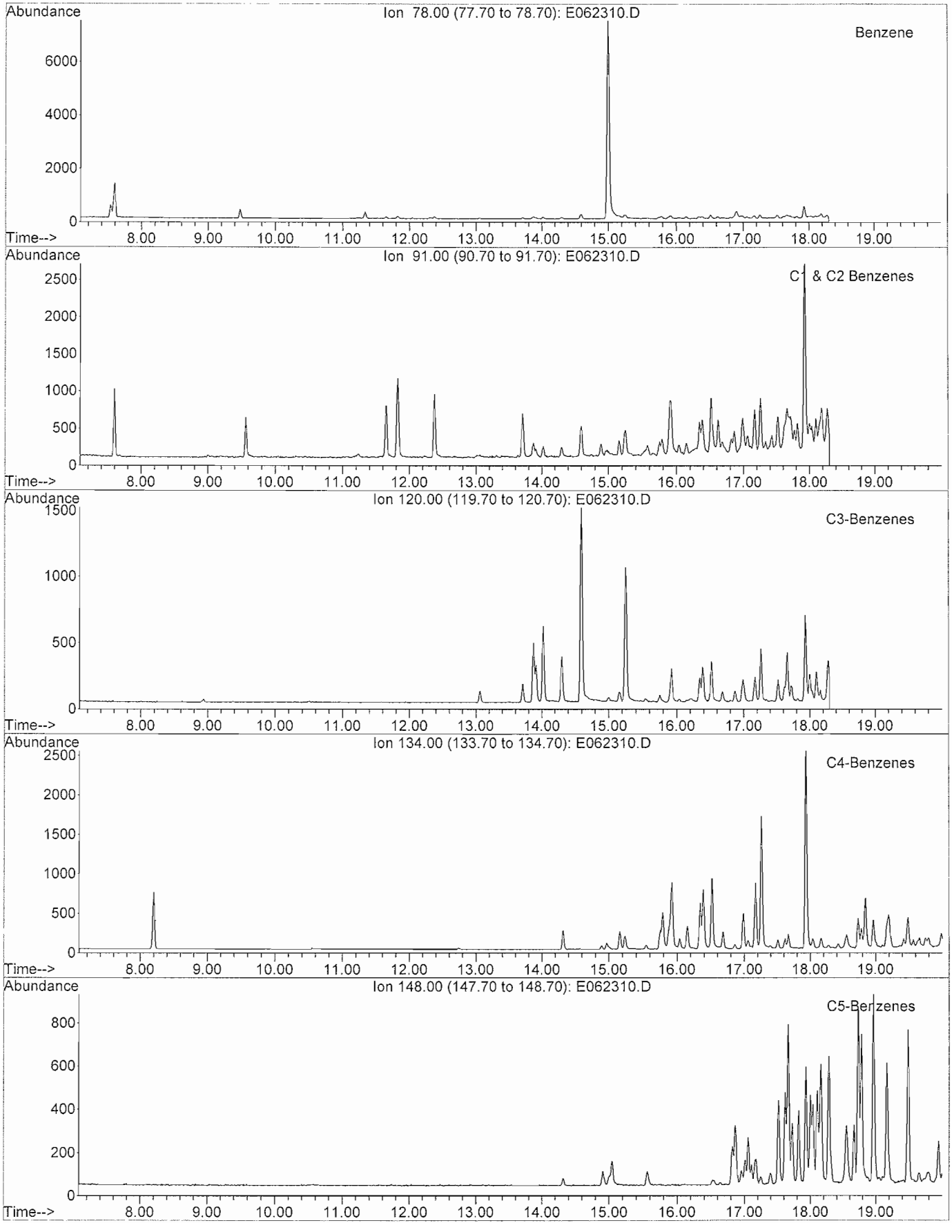
Date Acquired: 24 Jun 2010 4:34 am
Sample Name: BD100612-01
Misc Info: NAPL F



META Environmental, Inc.

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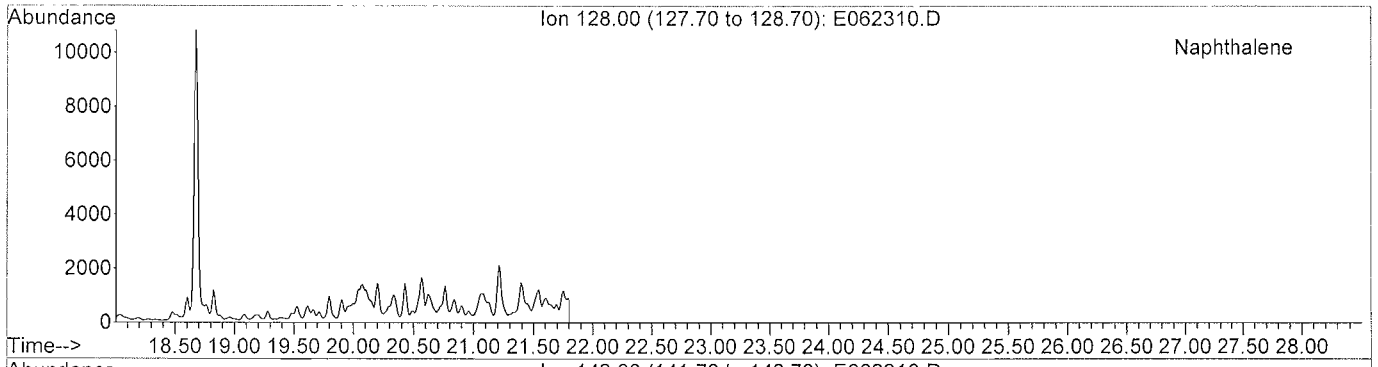

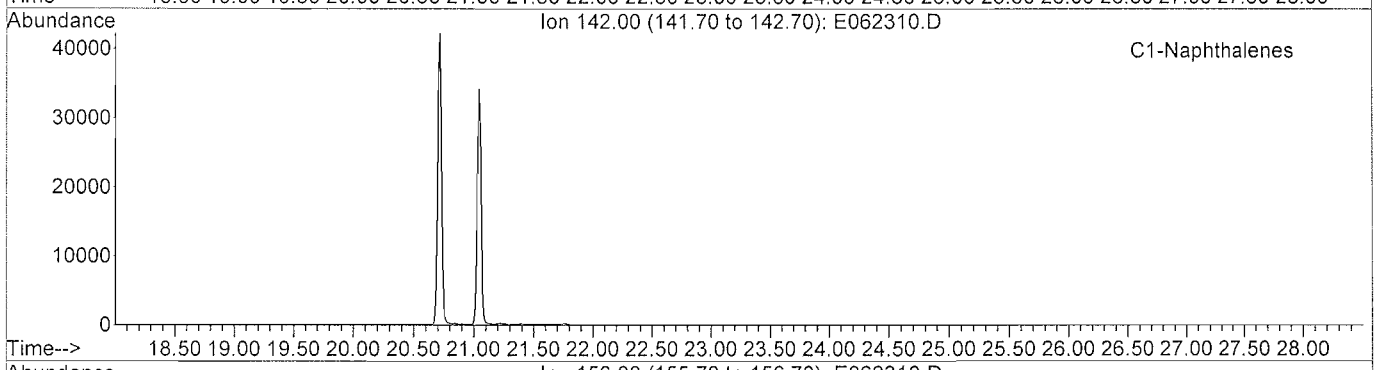

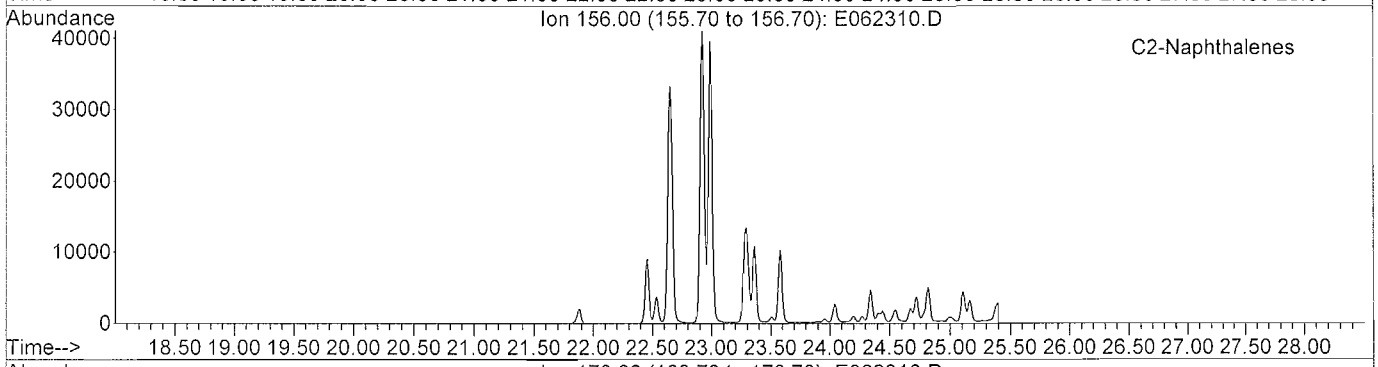

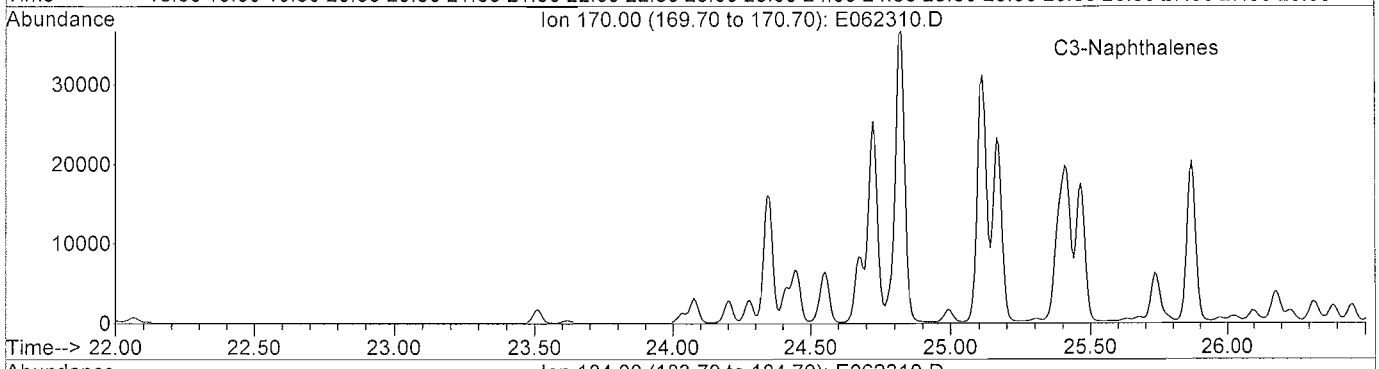

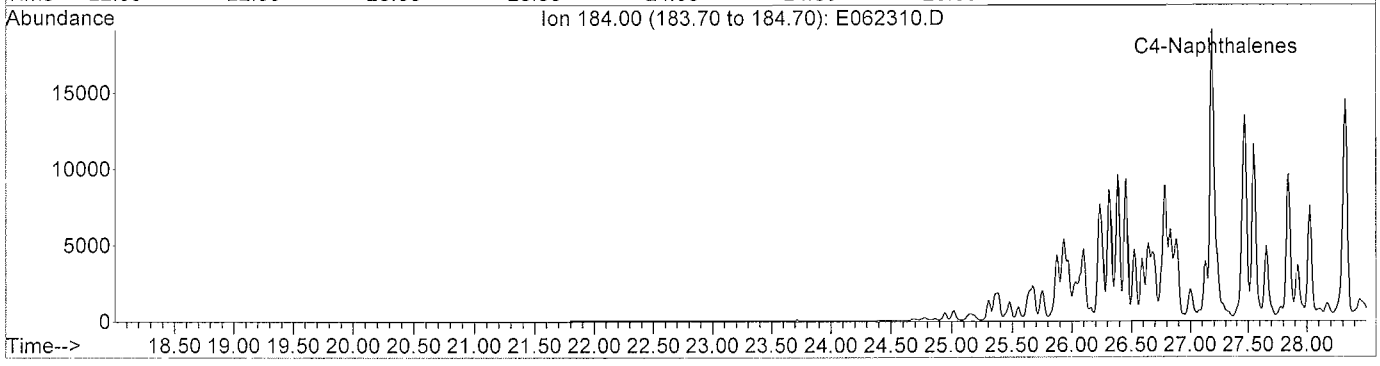

META Environmental, Inc.

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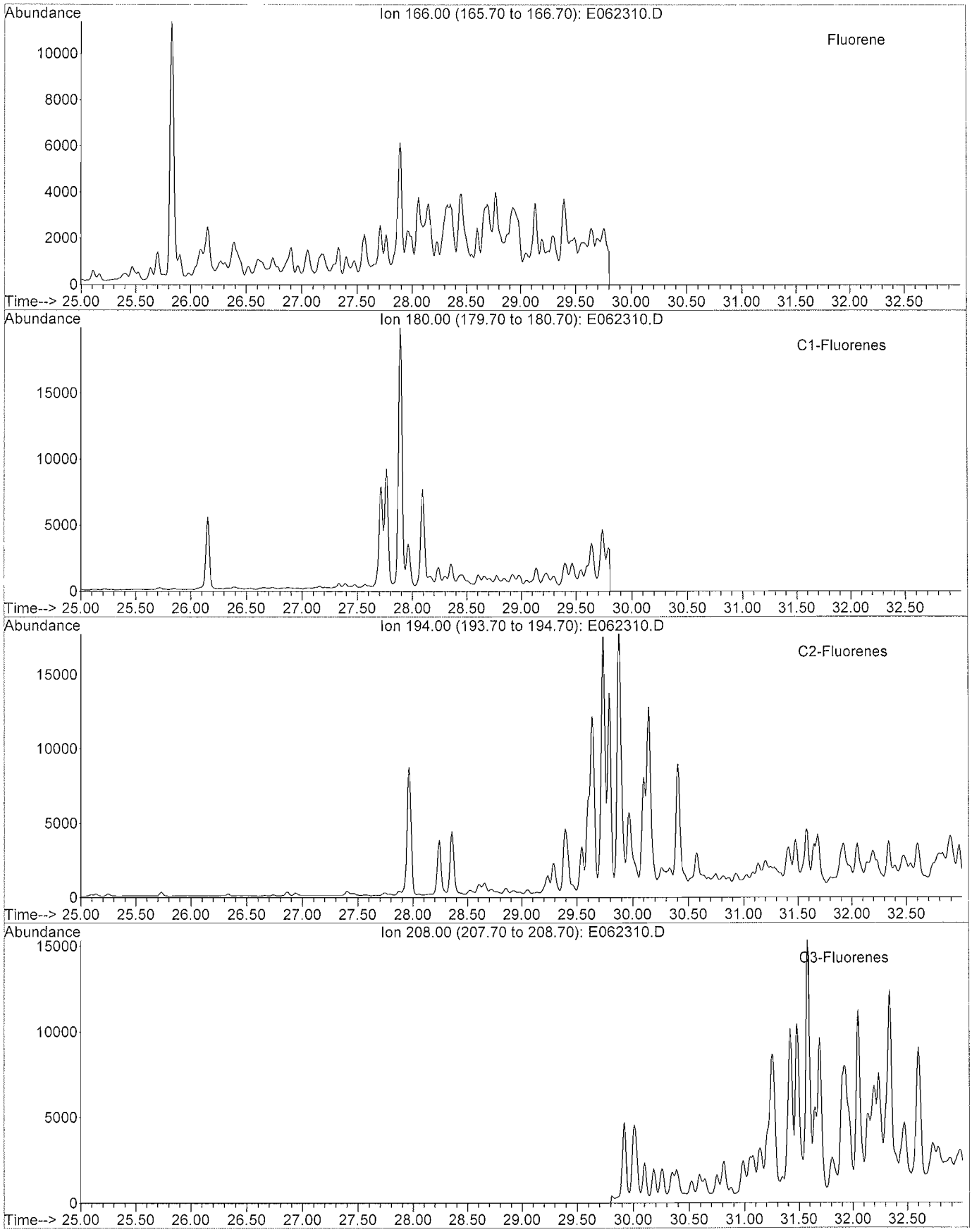

META Environmental, Inc.

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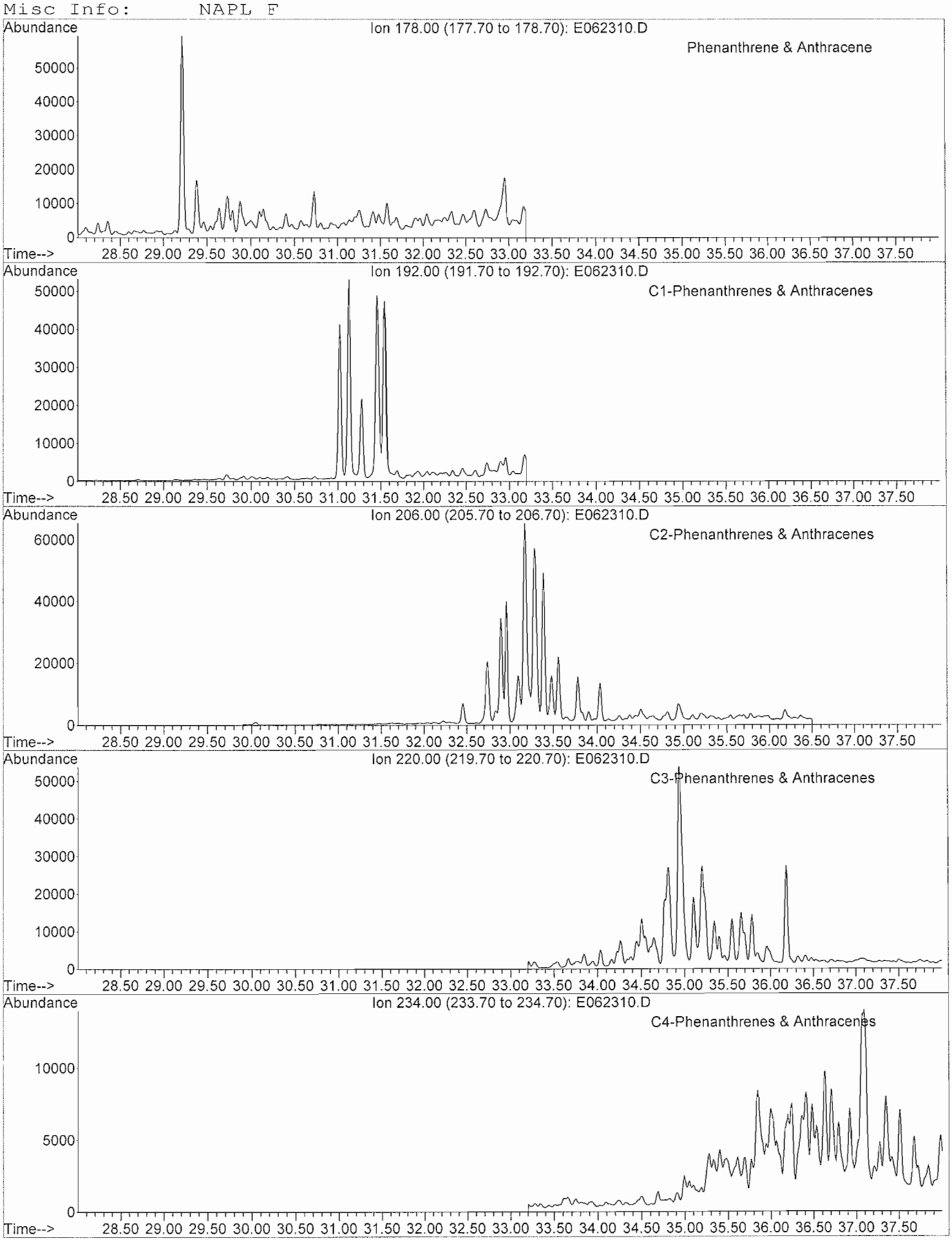

META Environmental, Inc.

GC/MS EXTRACTED ION CHROMATOGRAM

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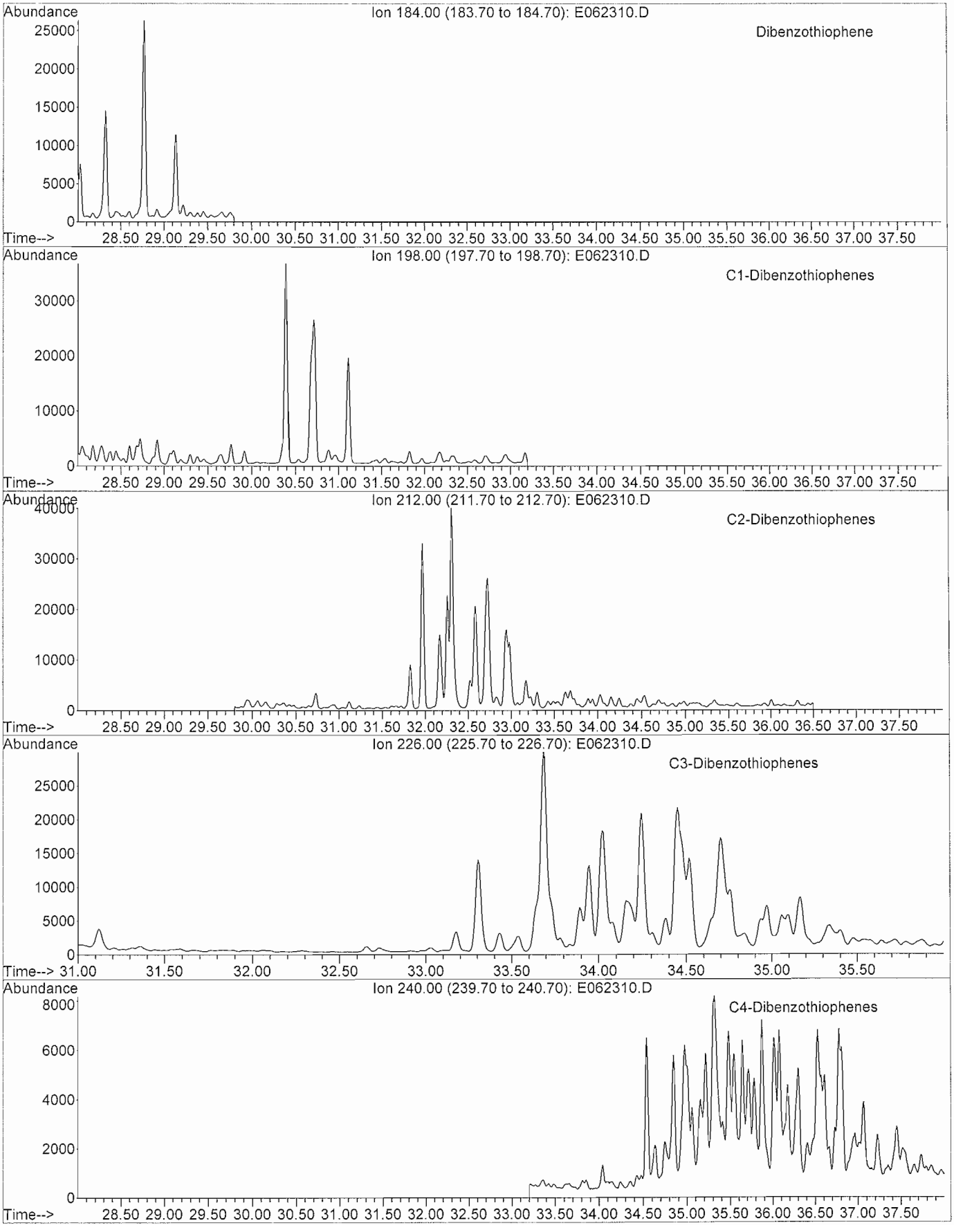

META Environmental, Inc.

GC/MS EXTRACTED ION CHROMATOGRAM

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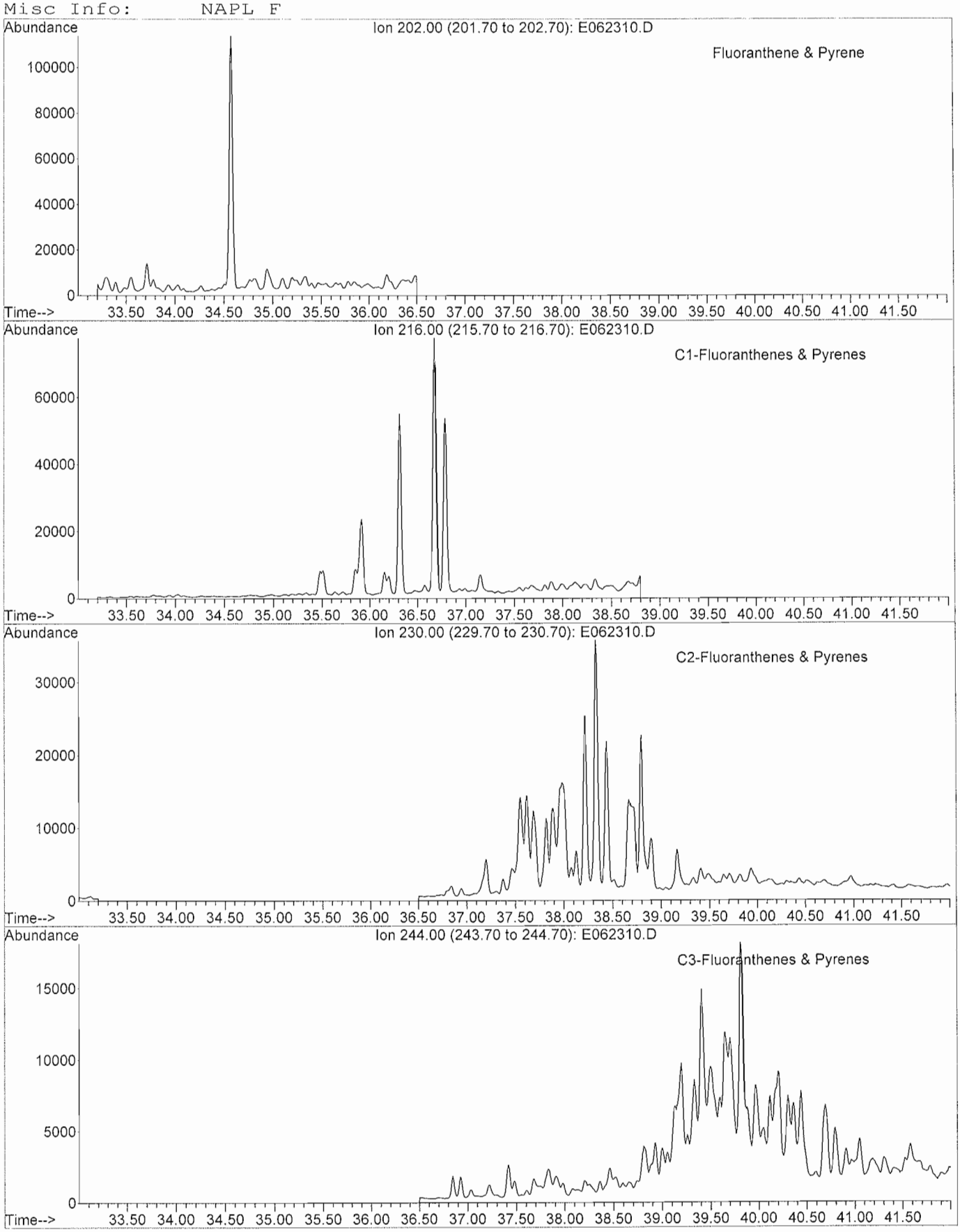

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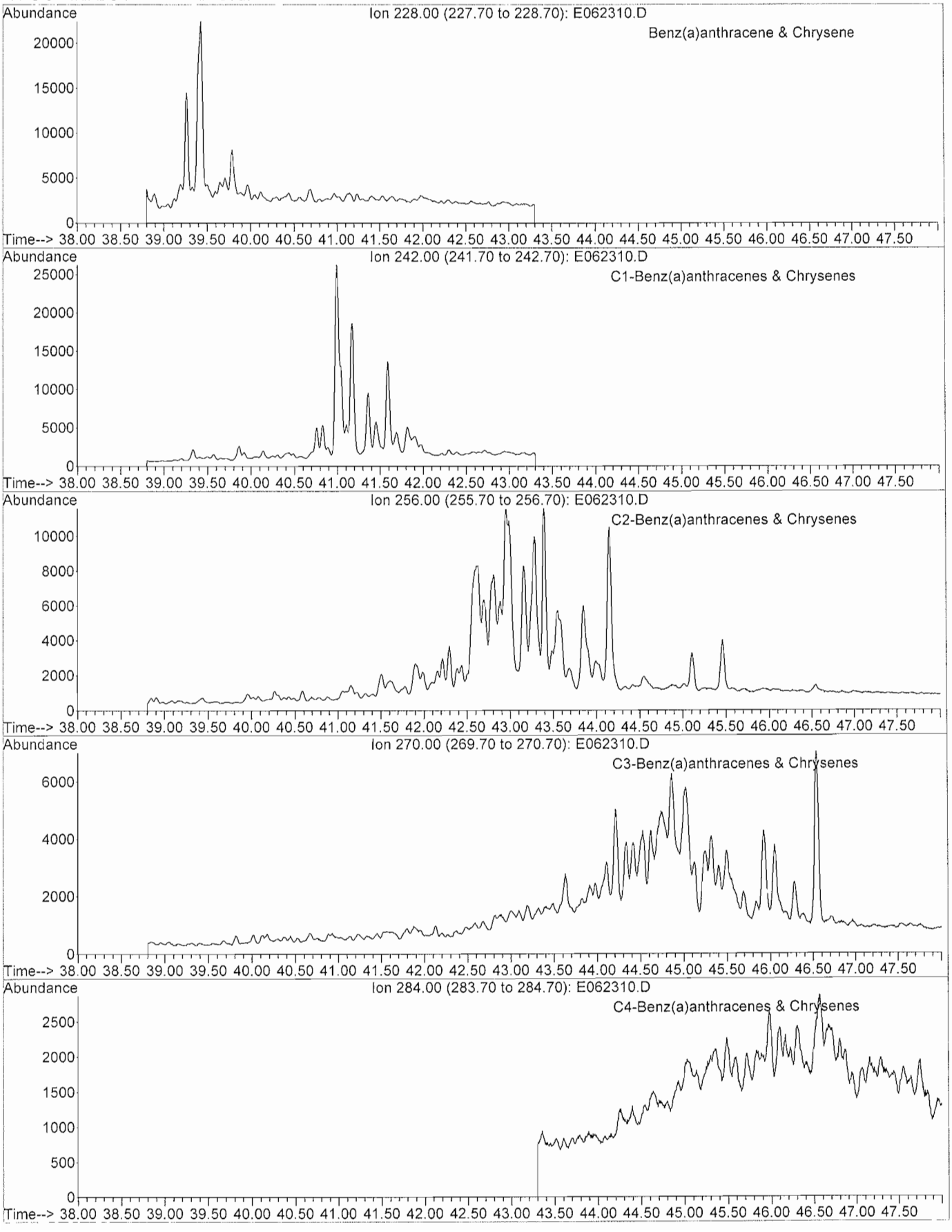

META Environmental, Inc.

GC/MS TOTAL ION CHROMATOGRAM

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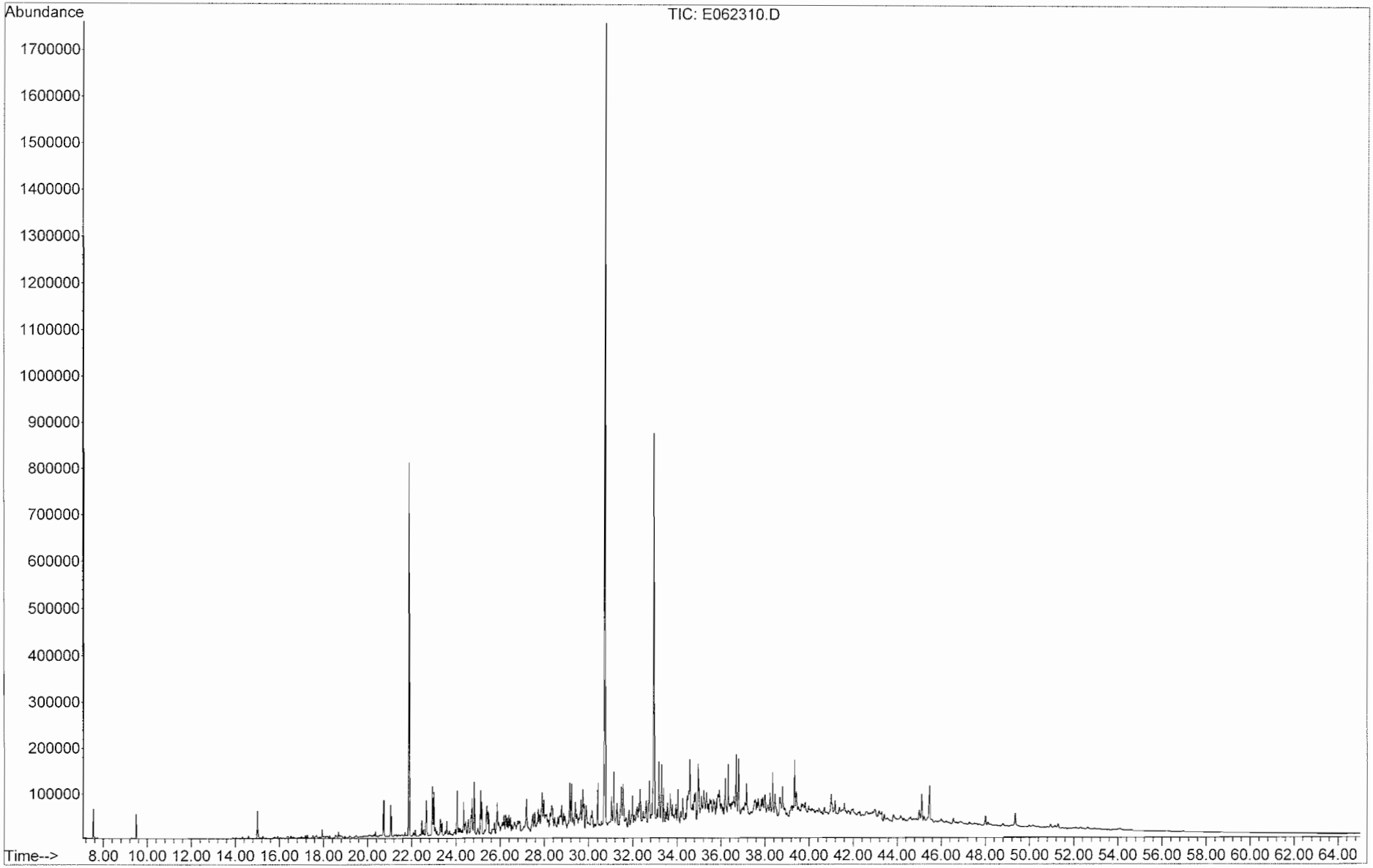

META Environmental, Inc.

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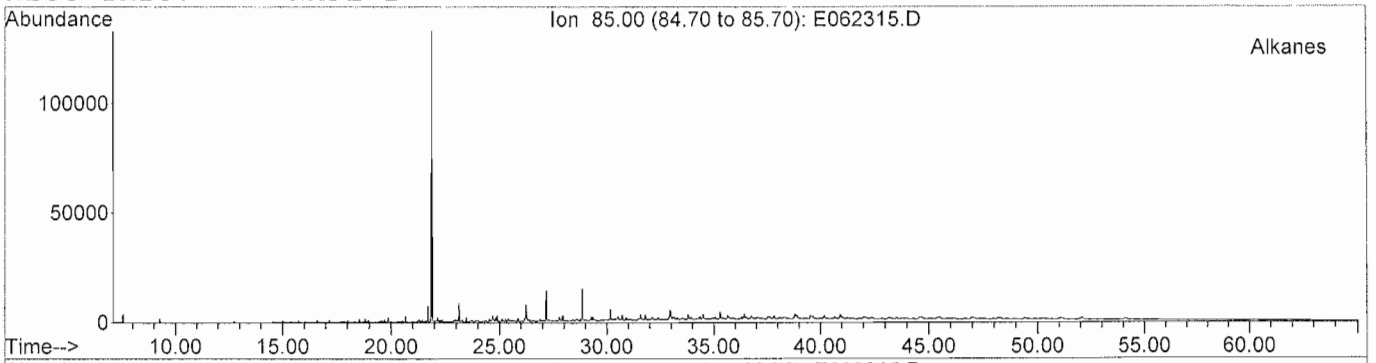

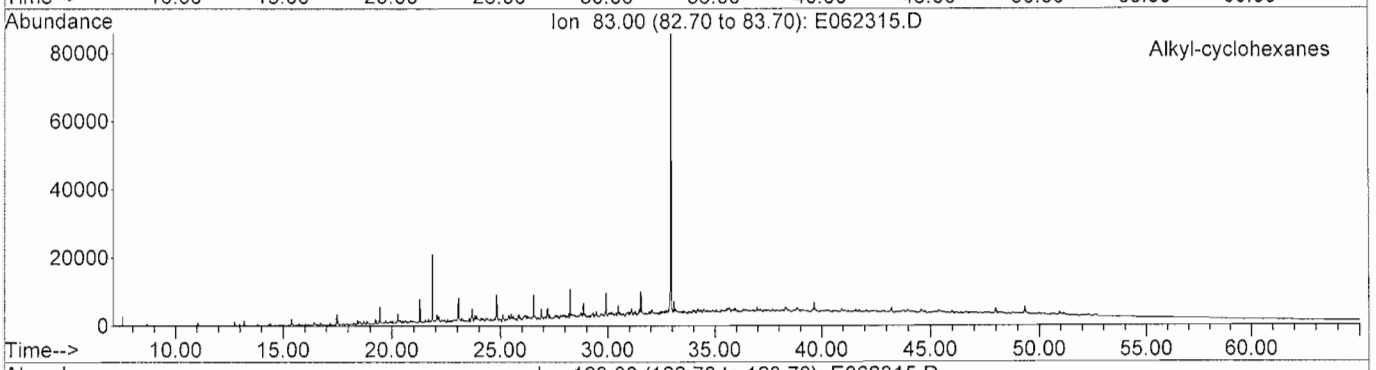

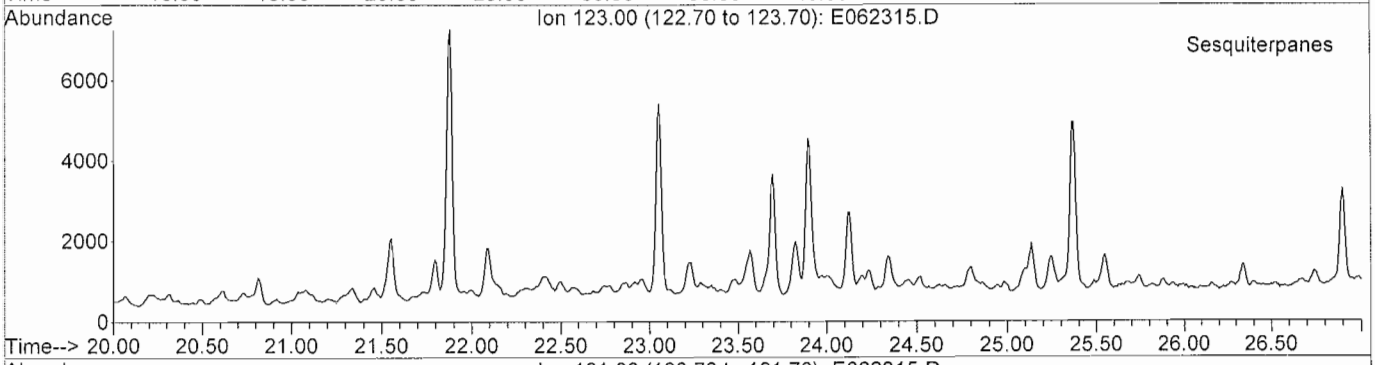

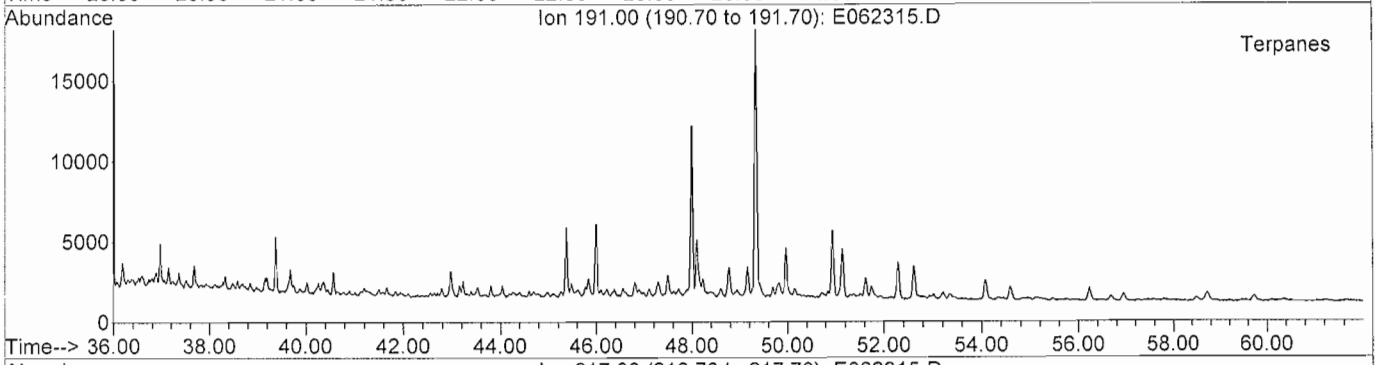

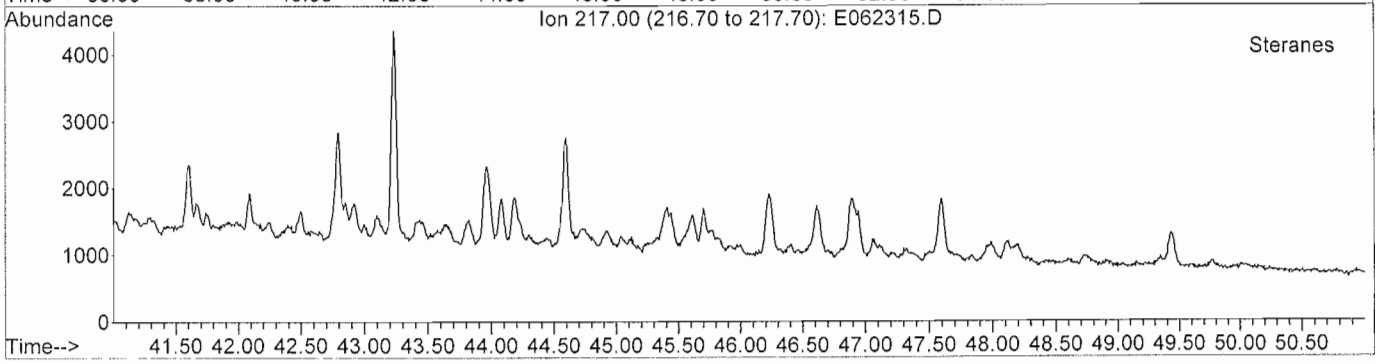

META Environmental, Inc.

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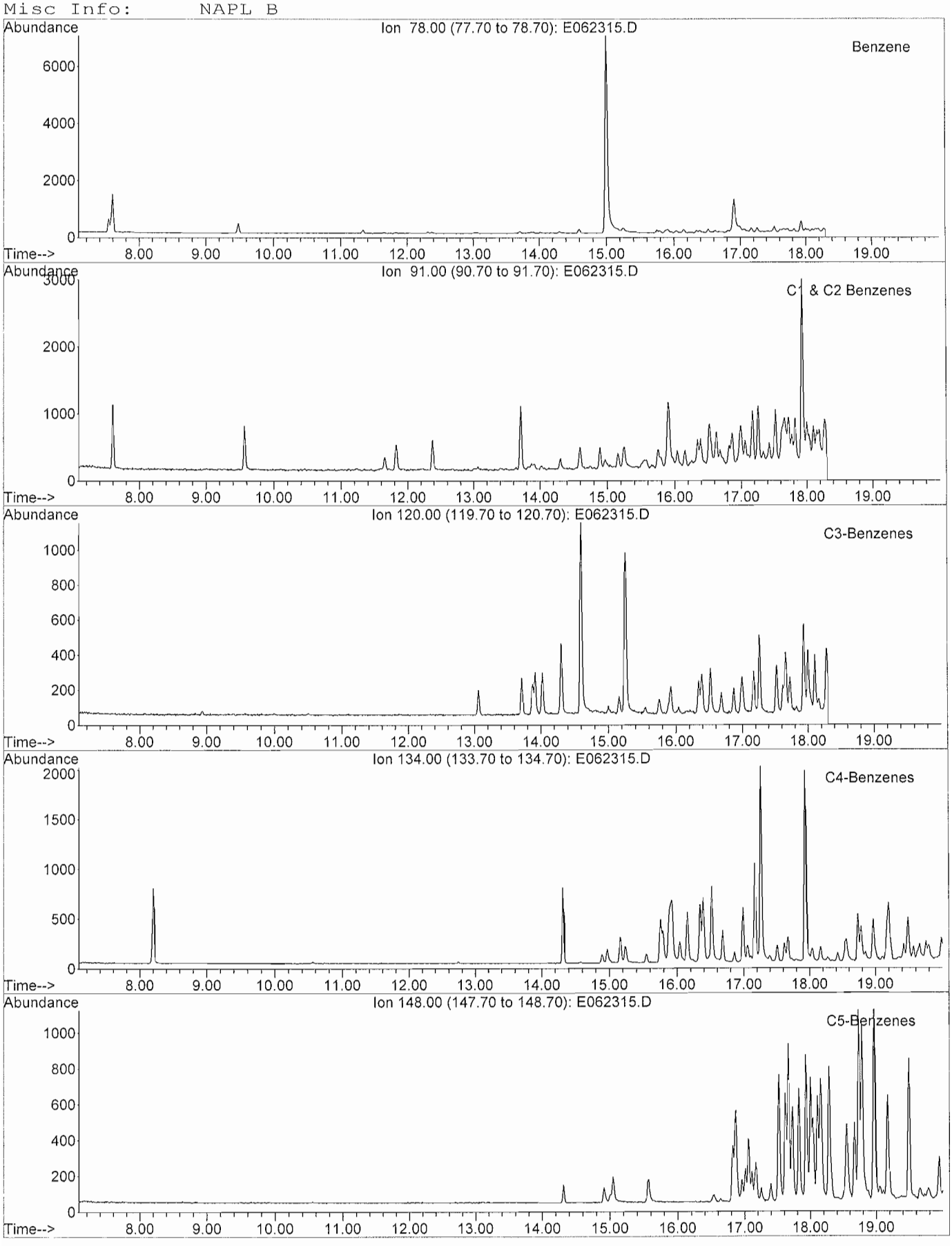

META Environmental, Inc.

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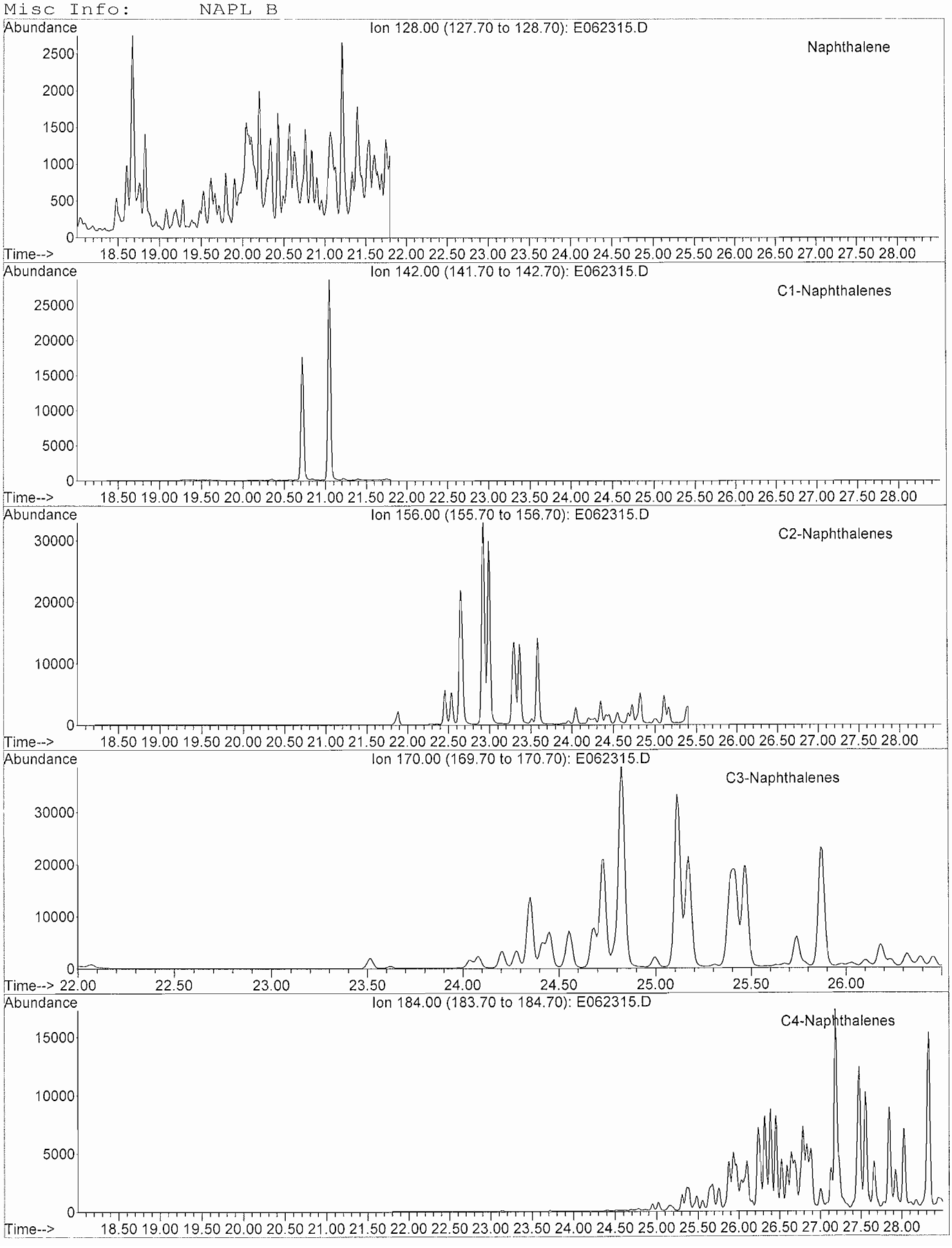

META Environmental, Inc.

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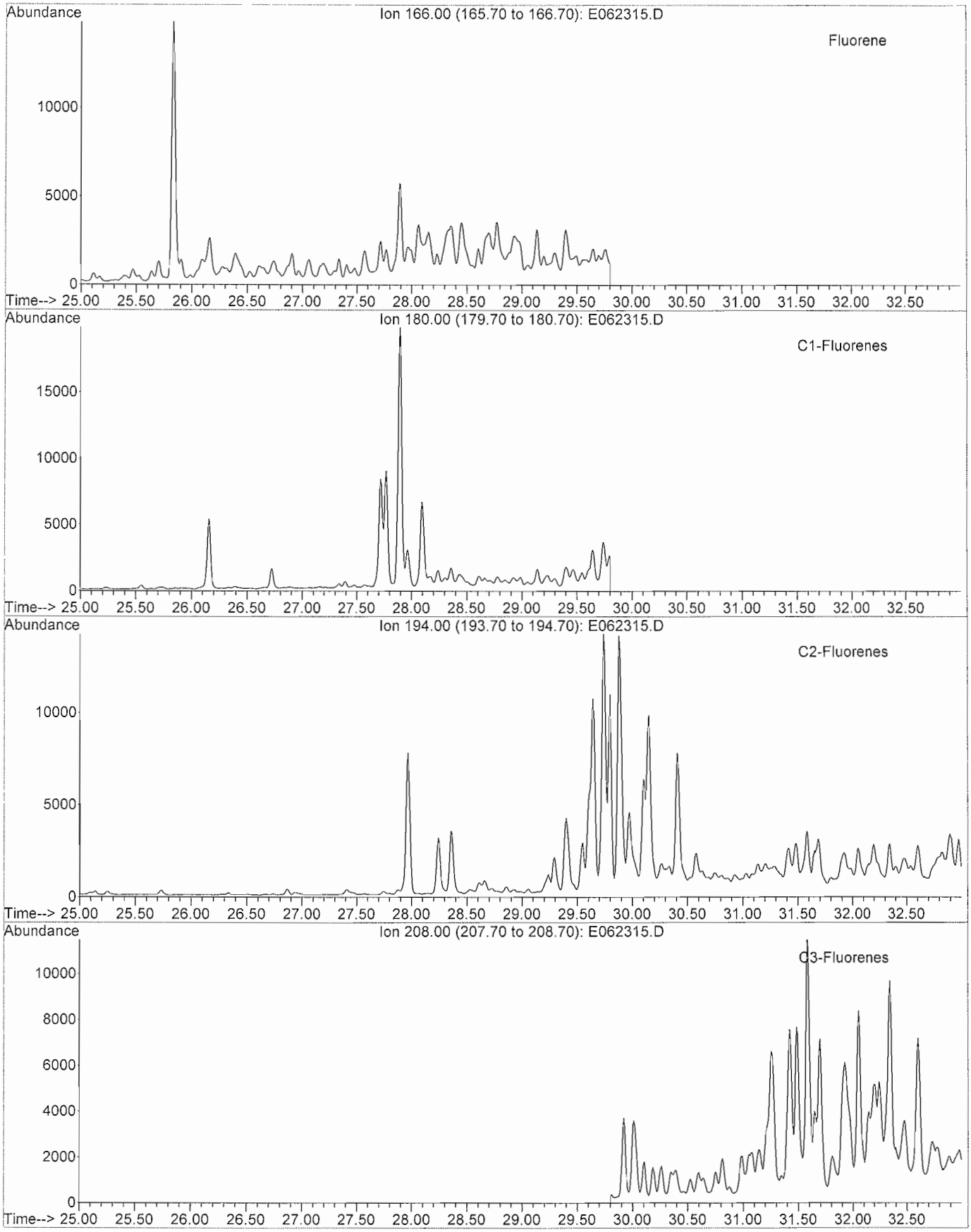

META Environmental, Inc.

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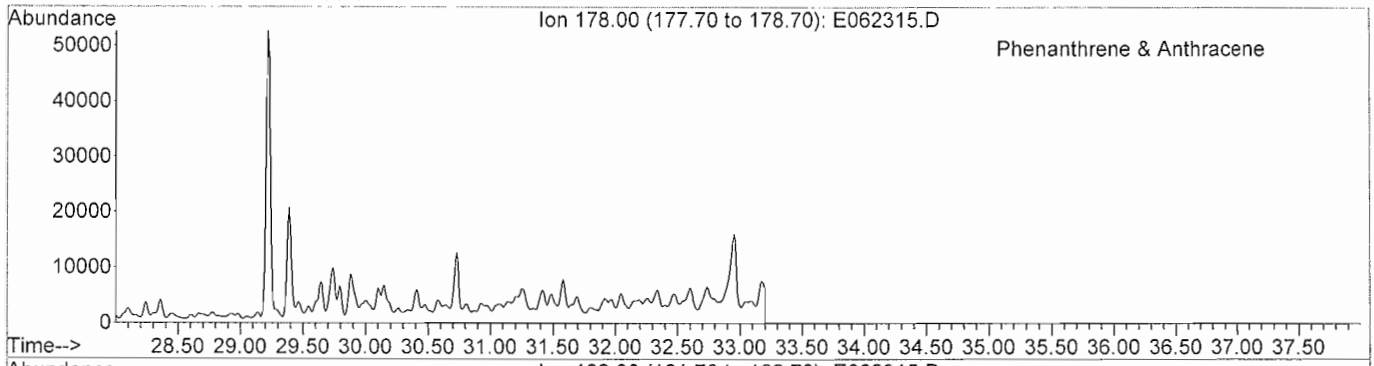

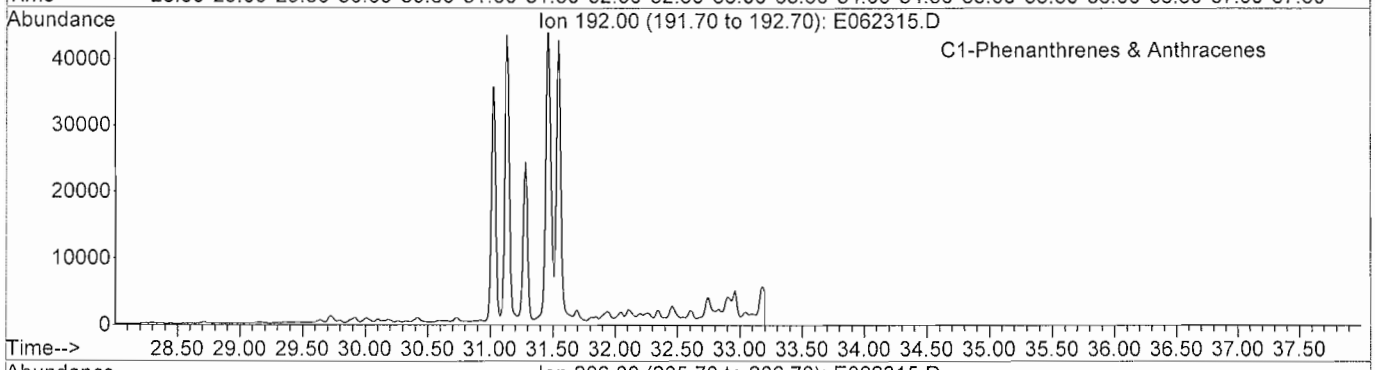

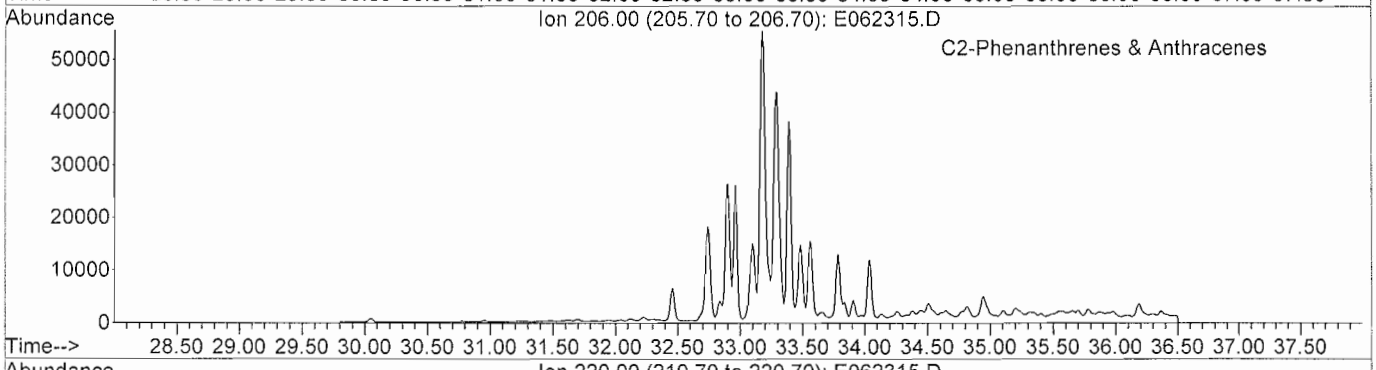

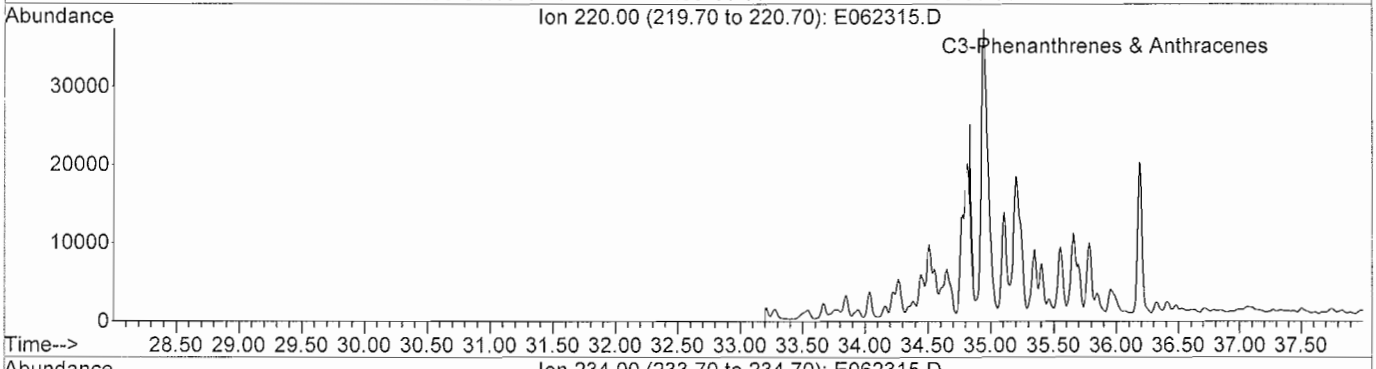

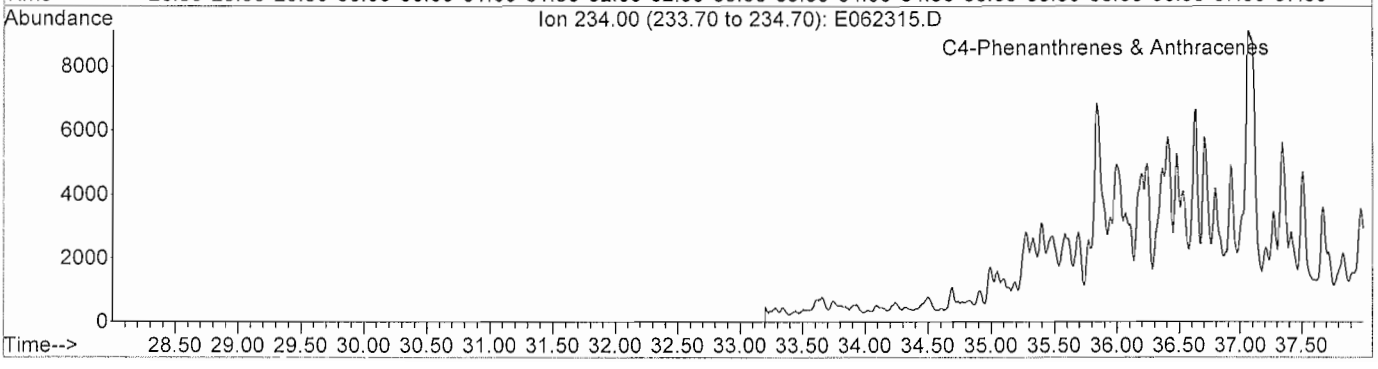

META Environmental, Inc.

GC/MS EXTRACTED ION CHROMATOGRAM

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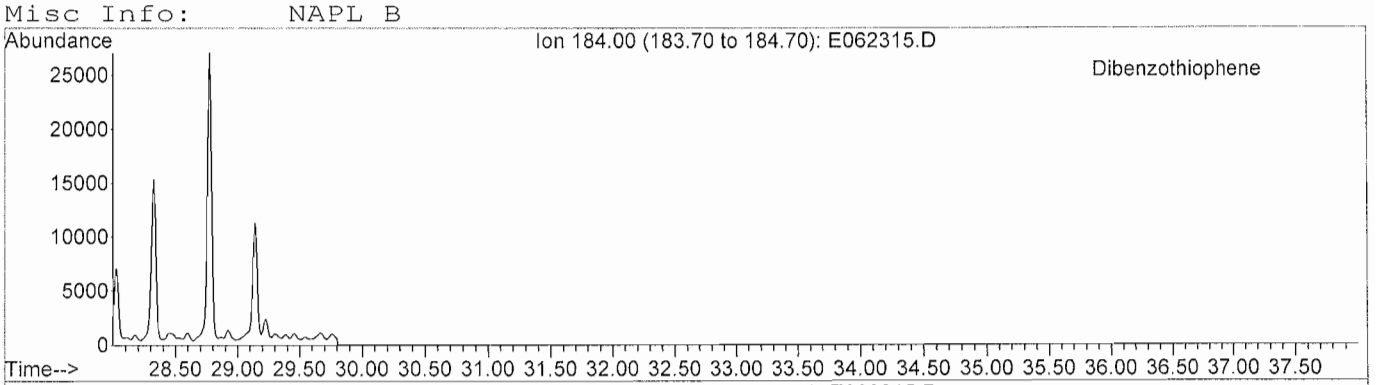

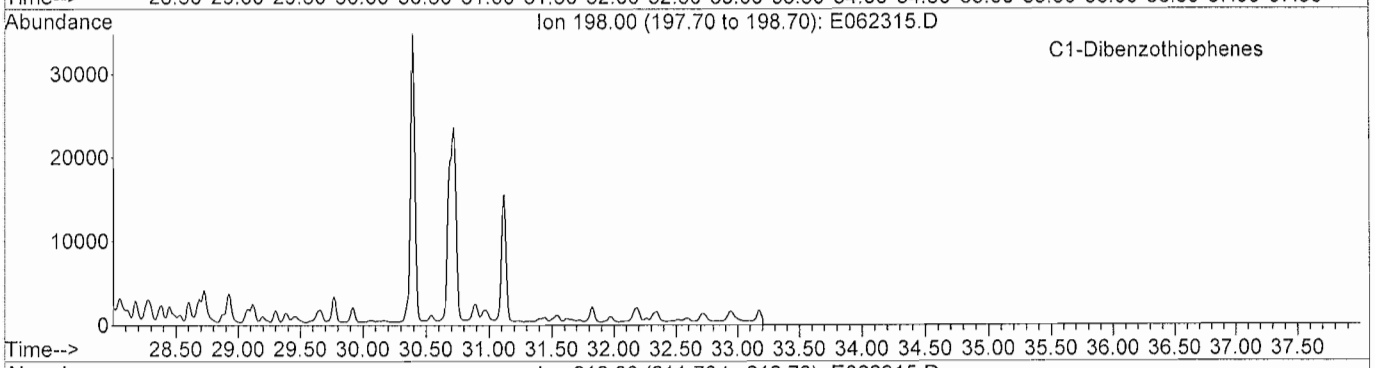

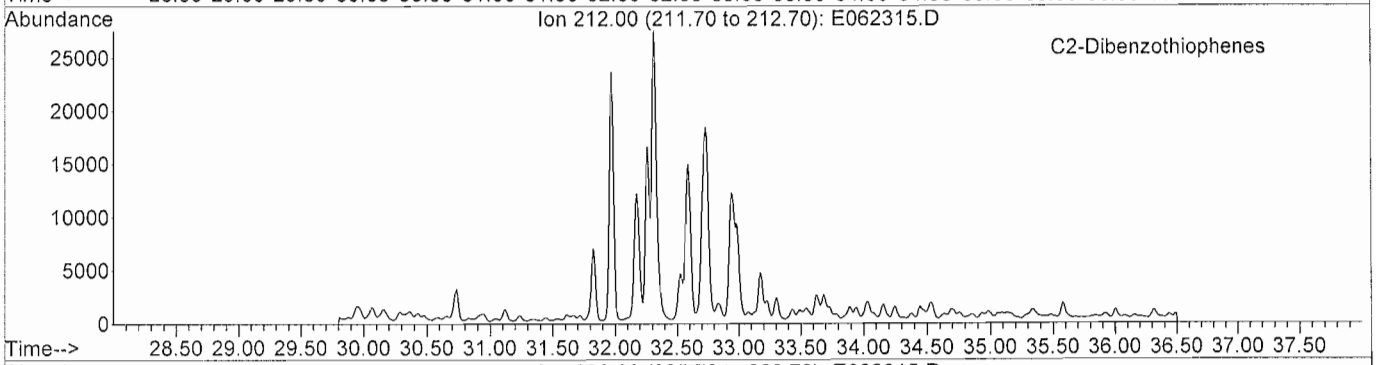

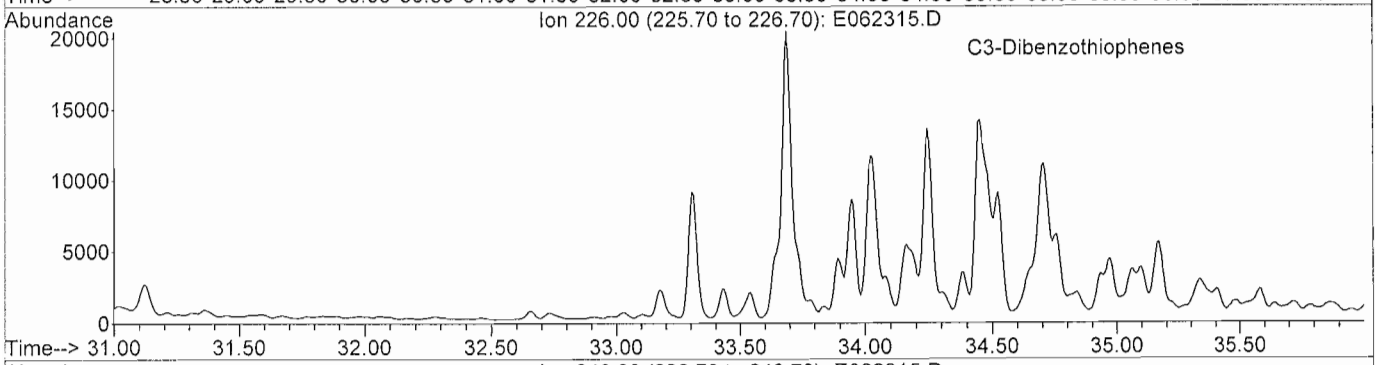

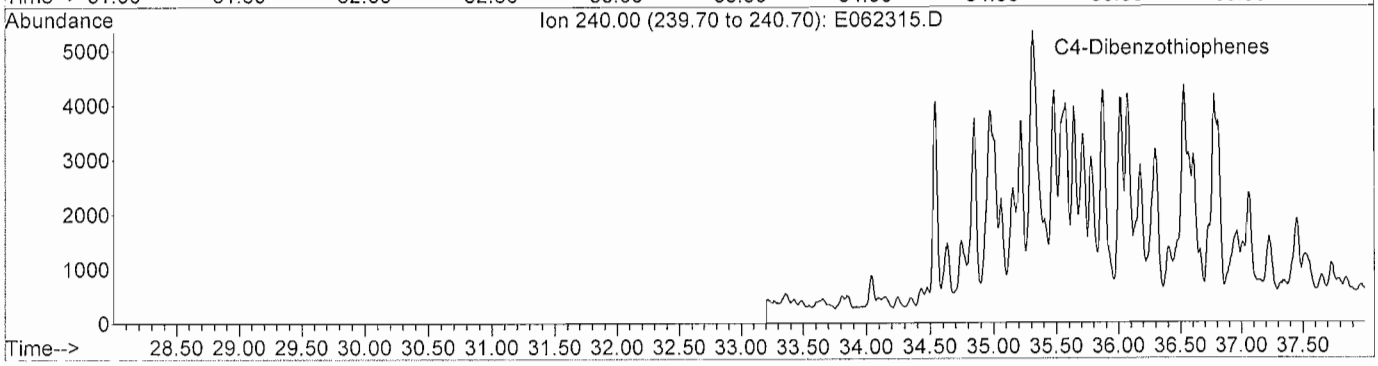

META Environmental, Inc.

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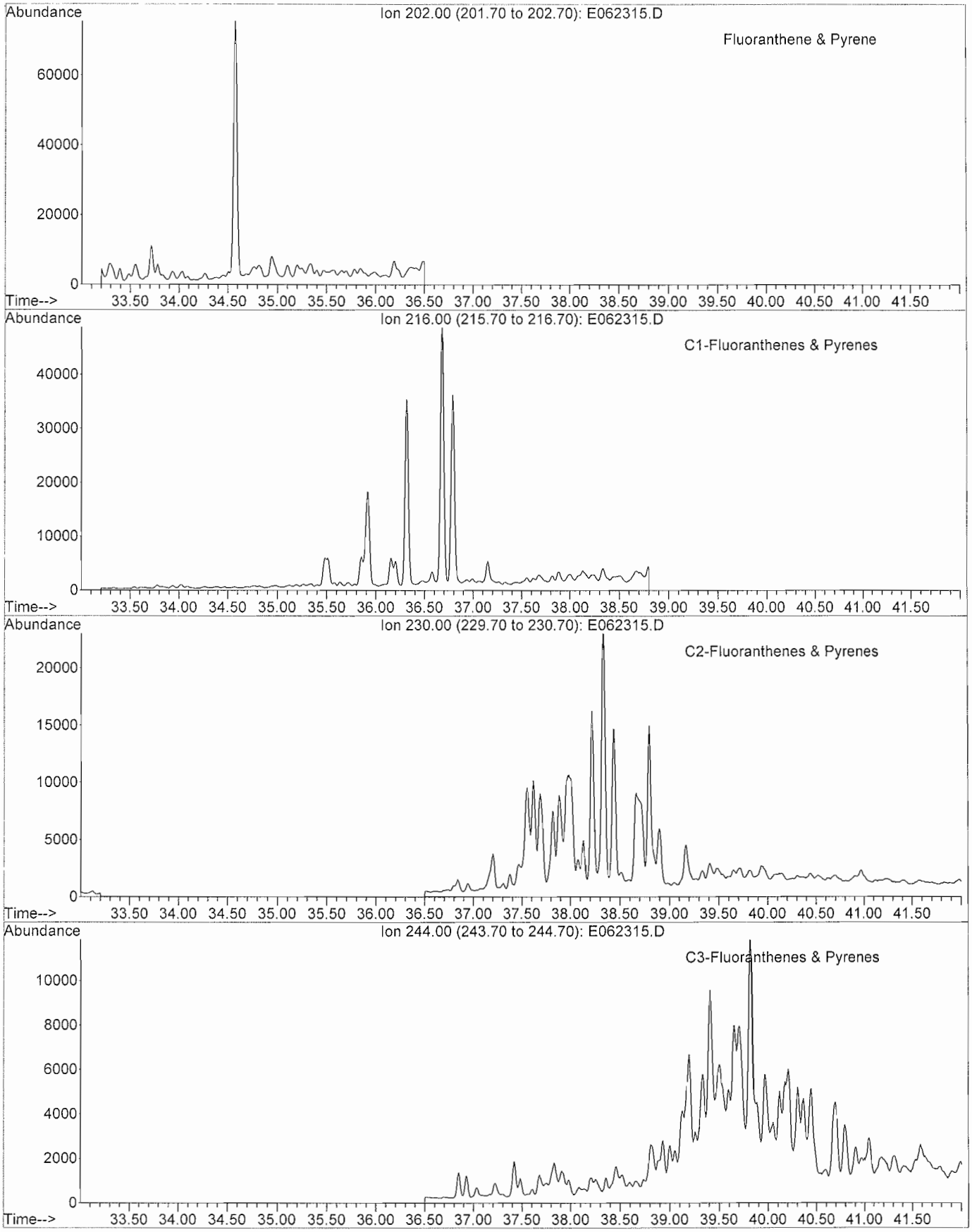

META Environmental, Inc.

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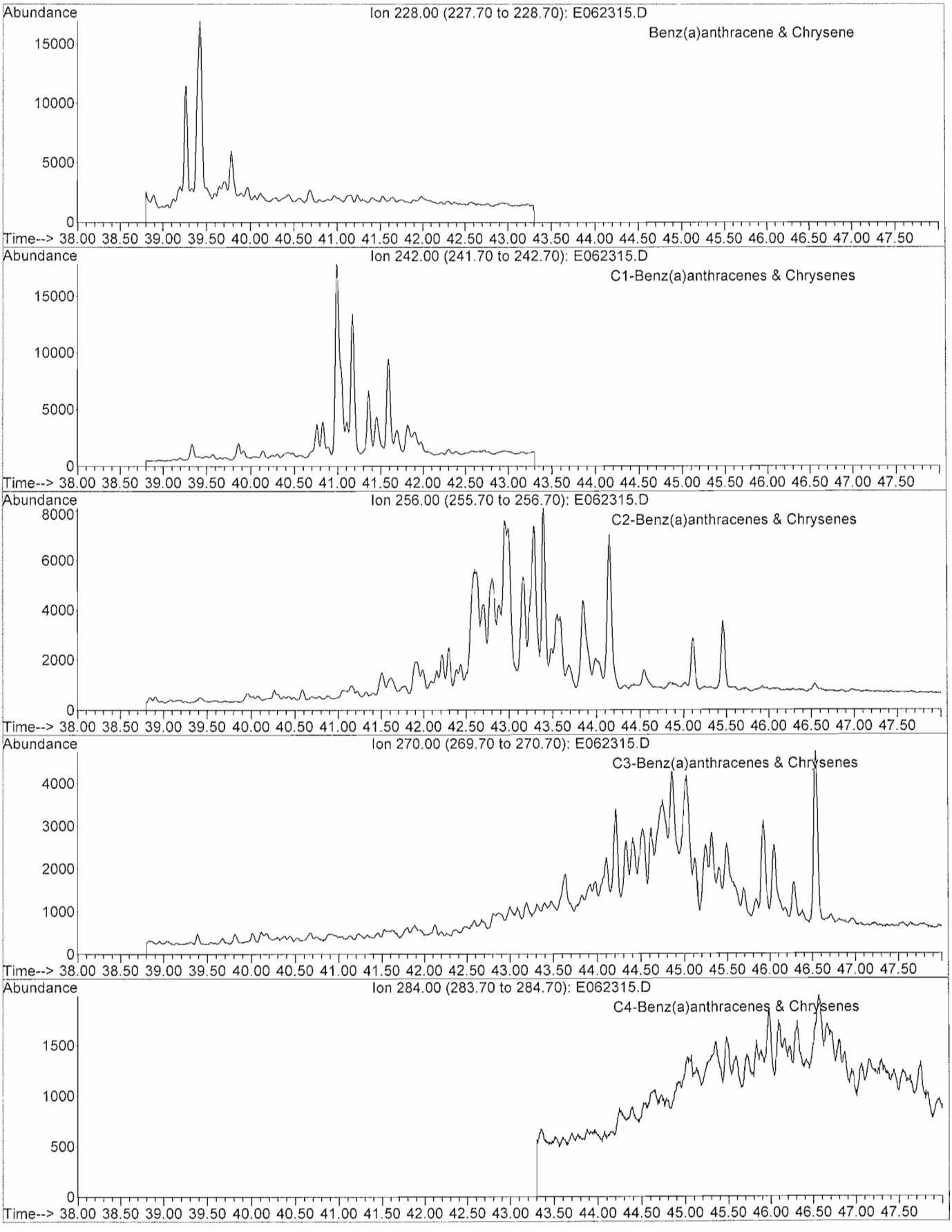

META Environmental, Inc.

GC/MS TOTAL ION CHROMATOGRAM

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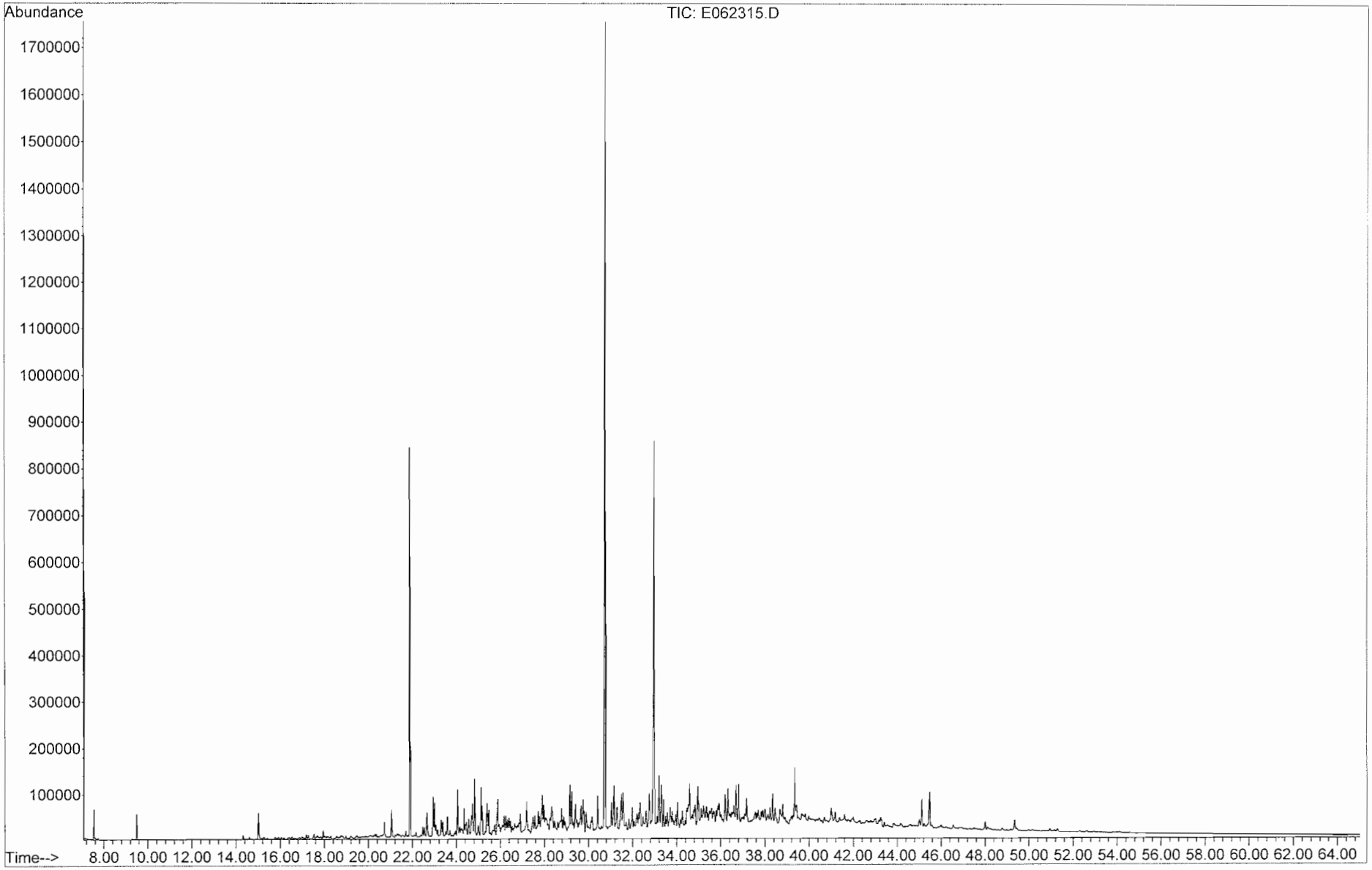

META Environmental, Inc.

GC/MS EXTRACTED ION CHROMATOGRAM

File: J:\1\DATA\E100623\E062316.D
Date Acquired: 24 Jun 2010 12:28 pm
Sample Name: BD100612-05
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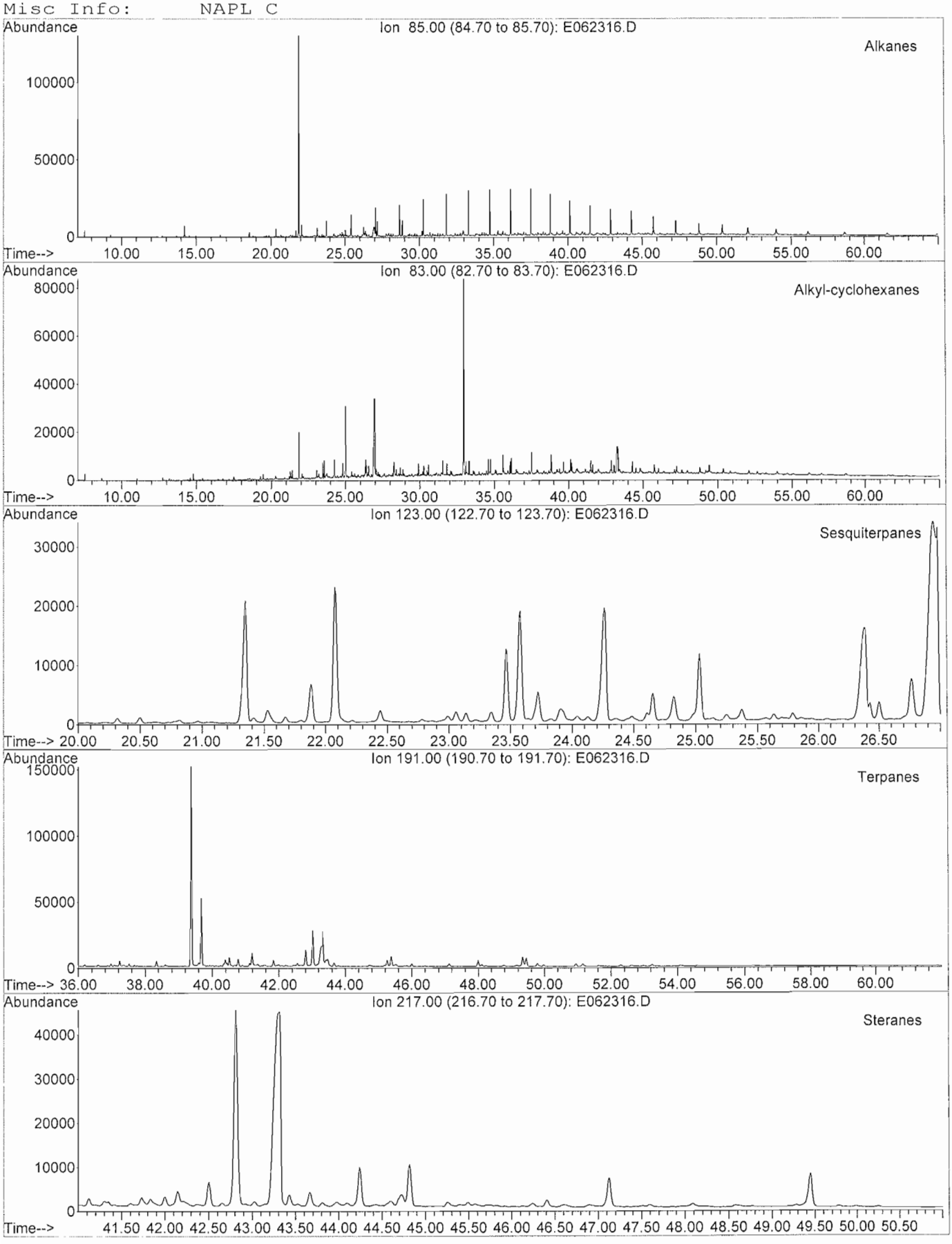

META Environmental, Inc.

GC/MS EXTRACTED ION CHROMATOGRAM

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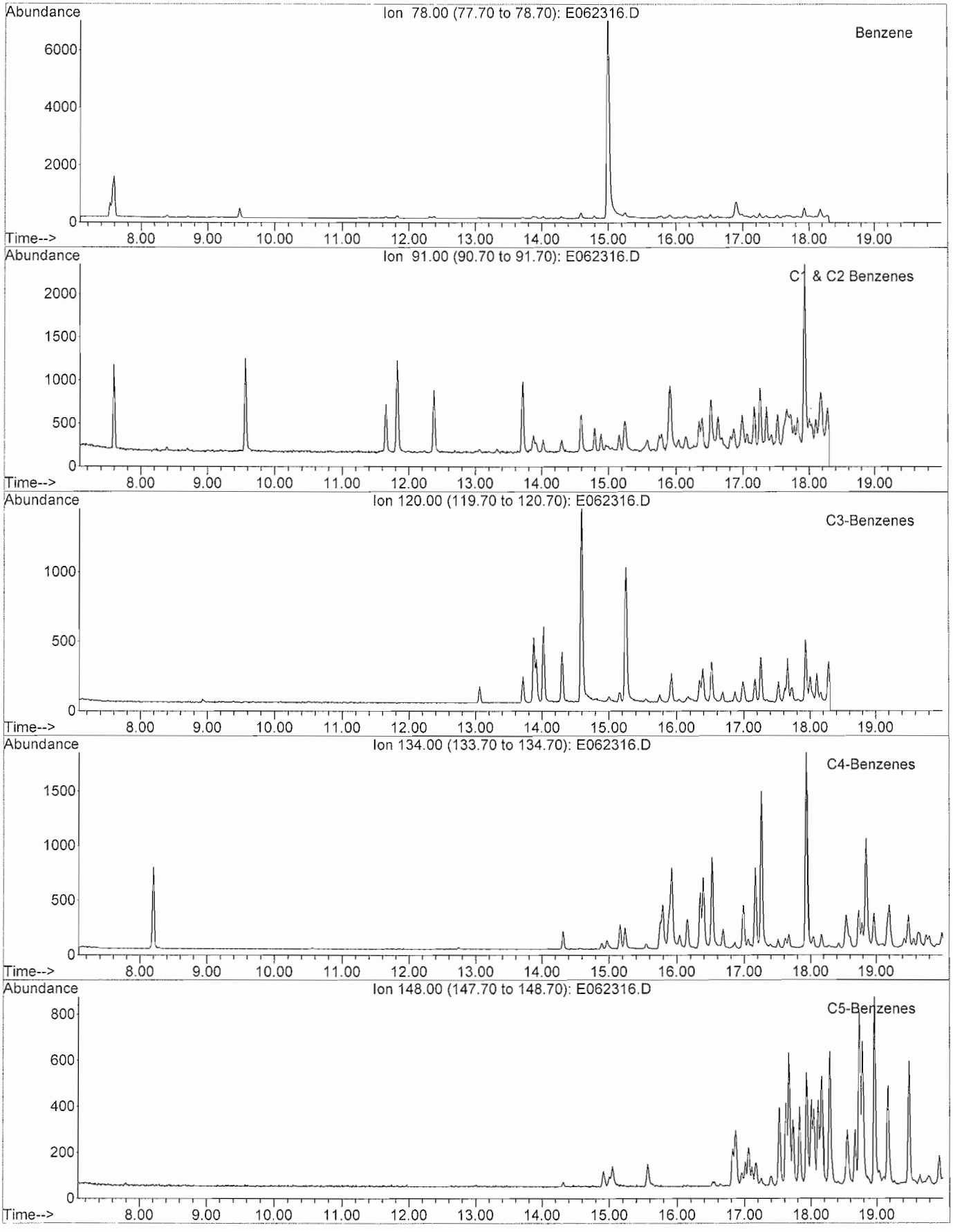

META Environmental, Inc.

GC/MS EXTRACTED ION CHROMATOGRAM

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Date Acquired: 24 Jun 2010 12:28 pm
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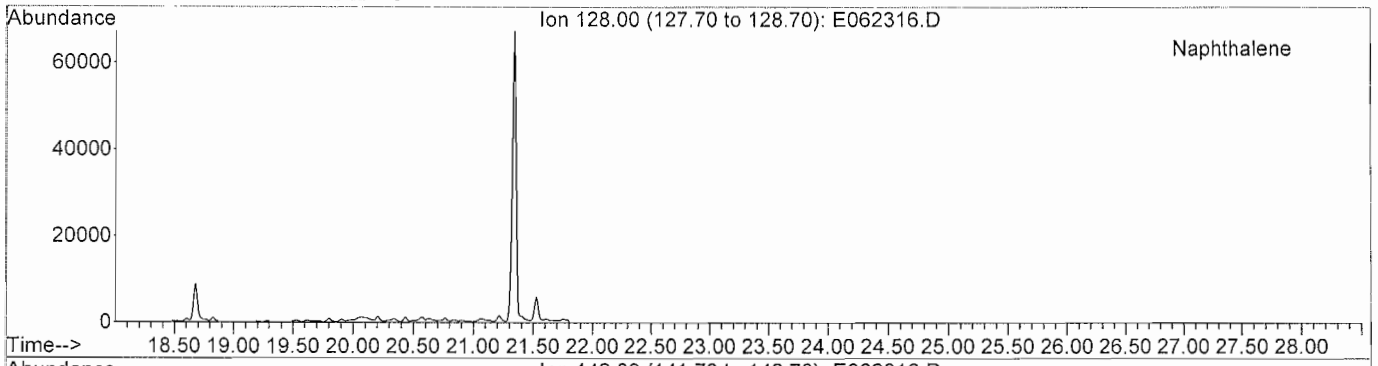

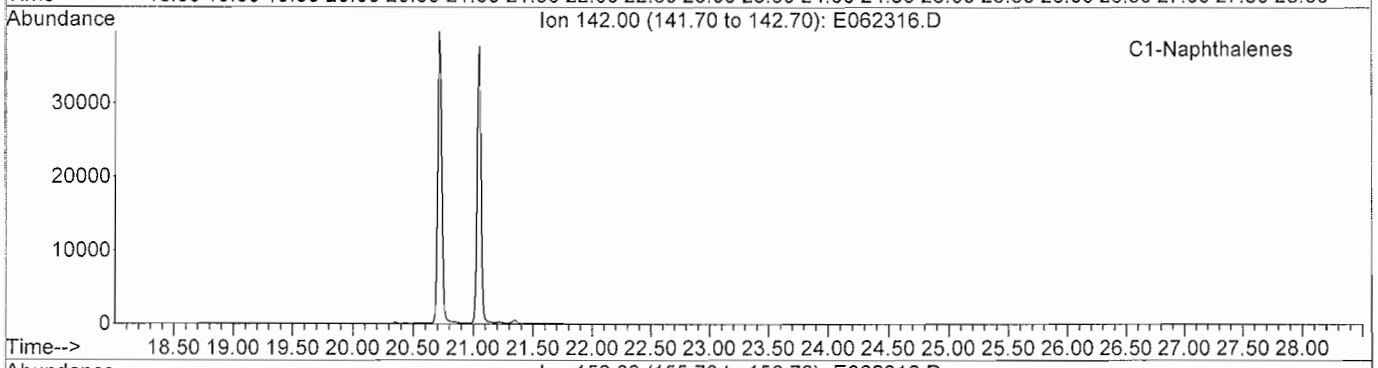

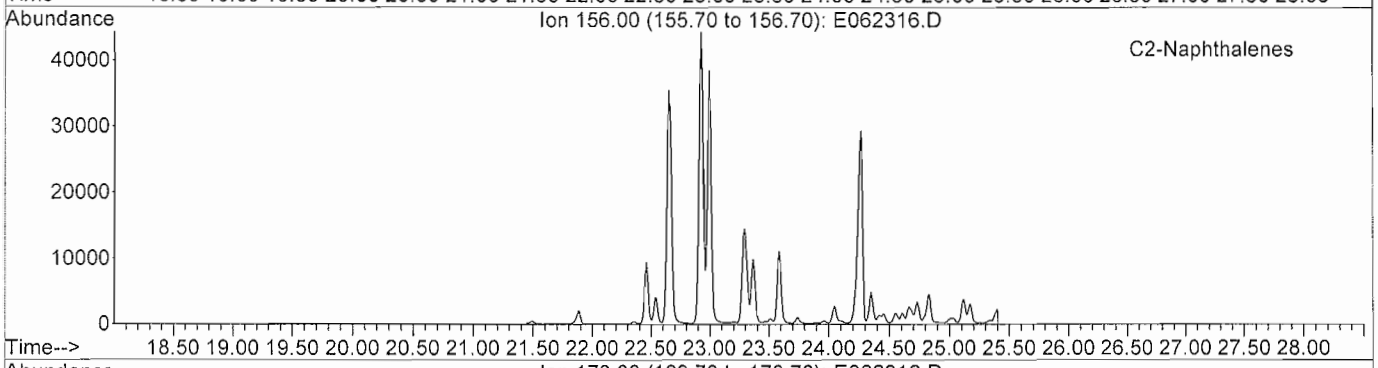

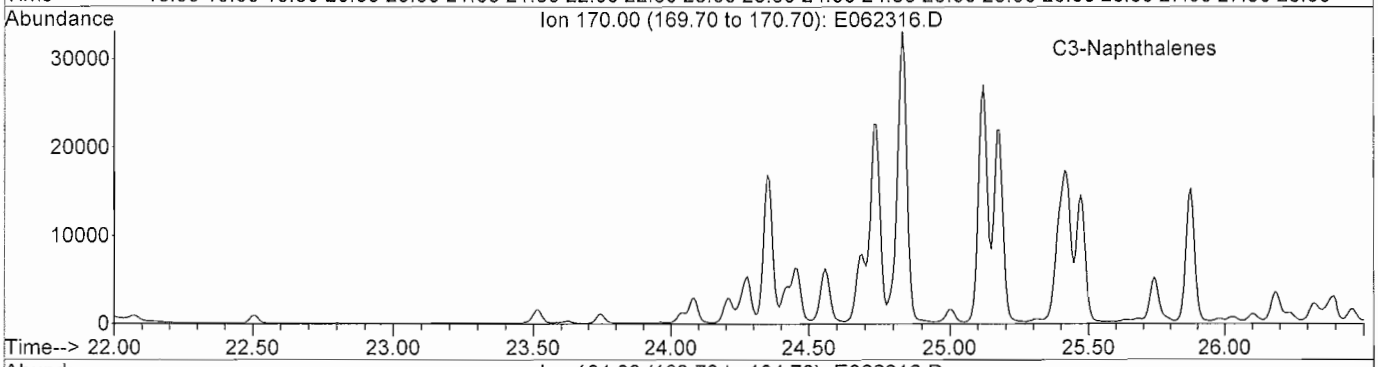

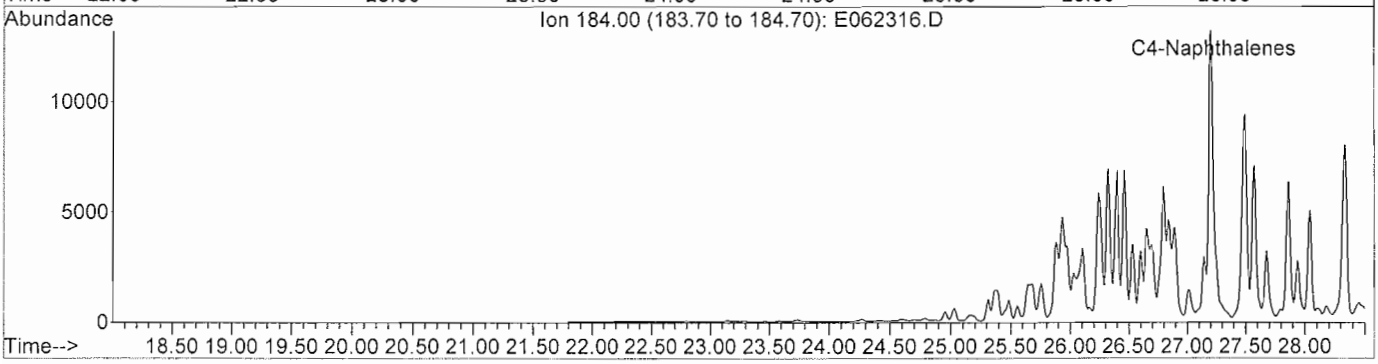

META Environmental, Inc.

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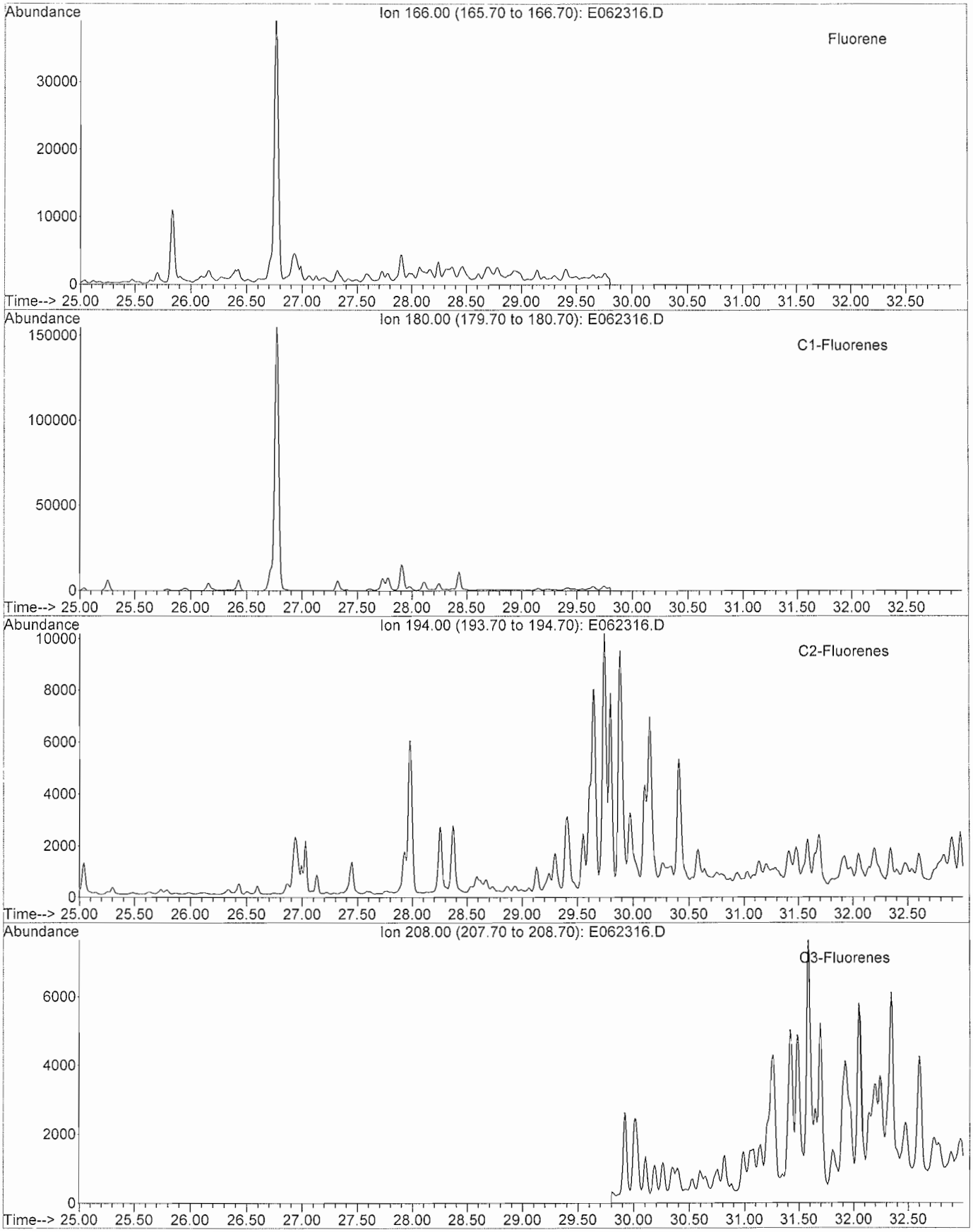

META Environmental, Inc.

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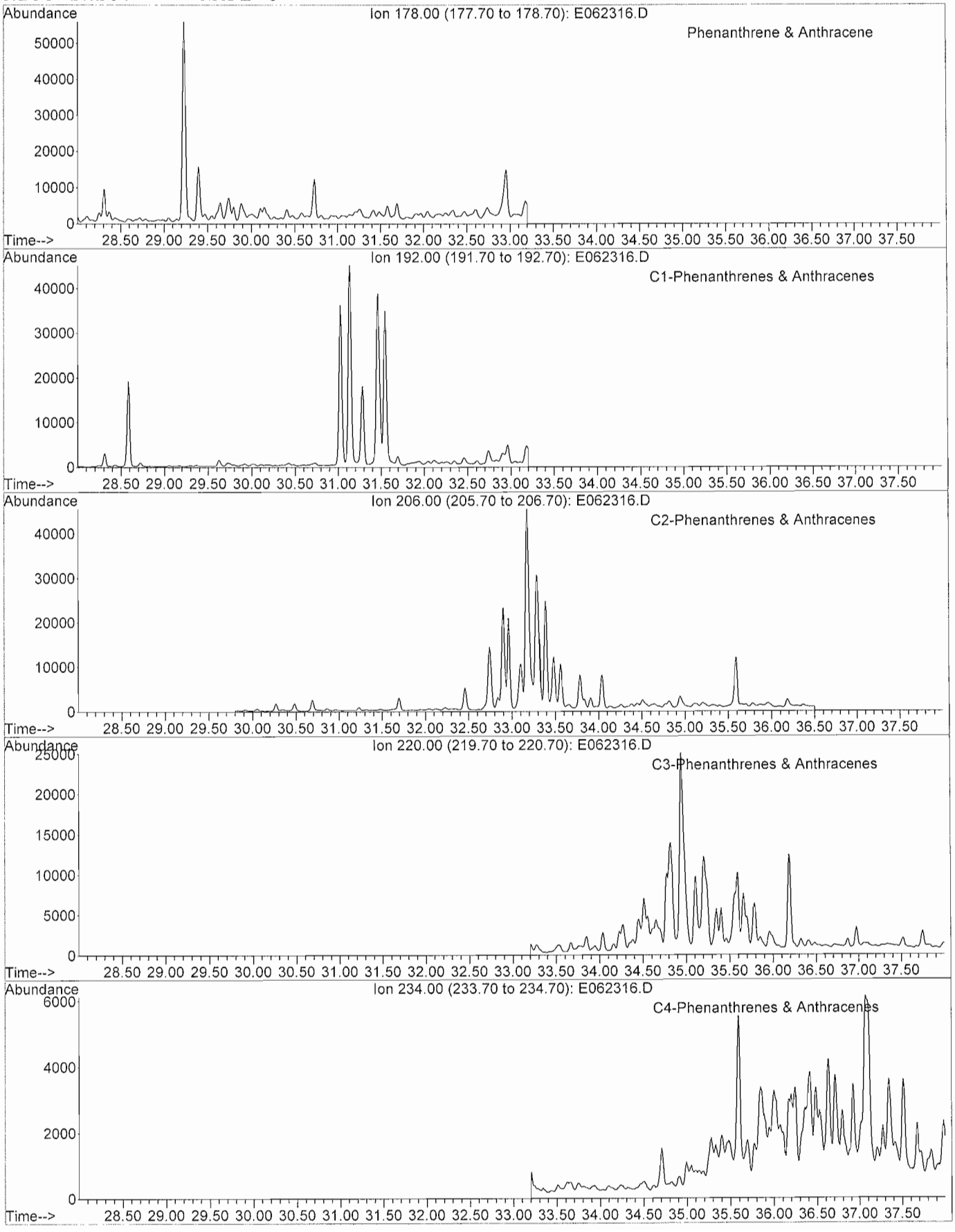

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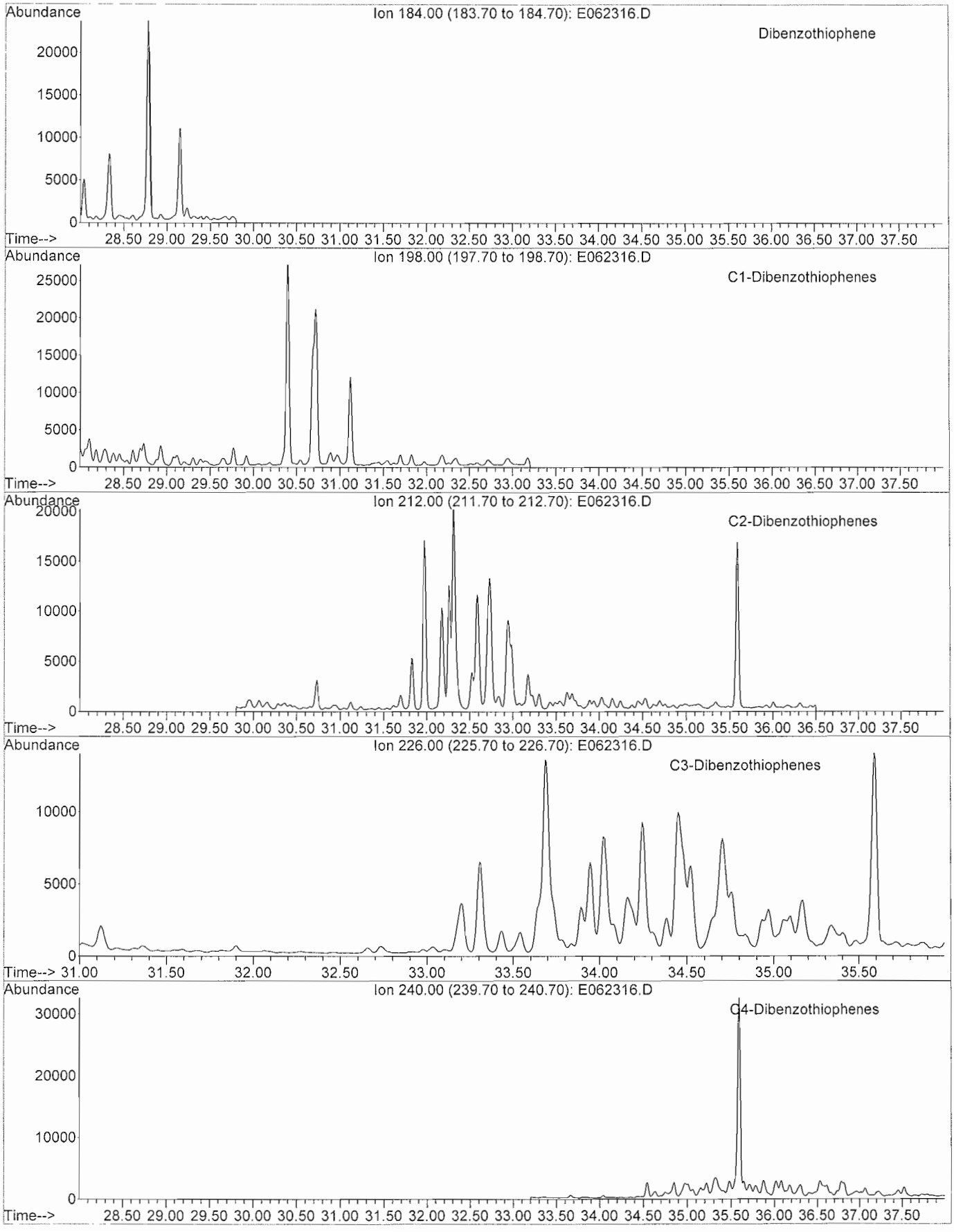

META Environmental, Inc.

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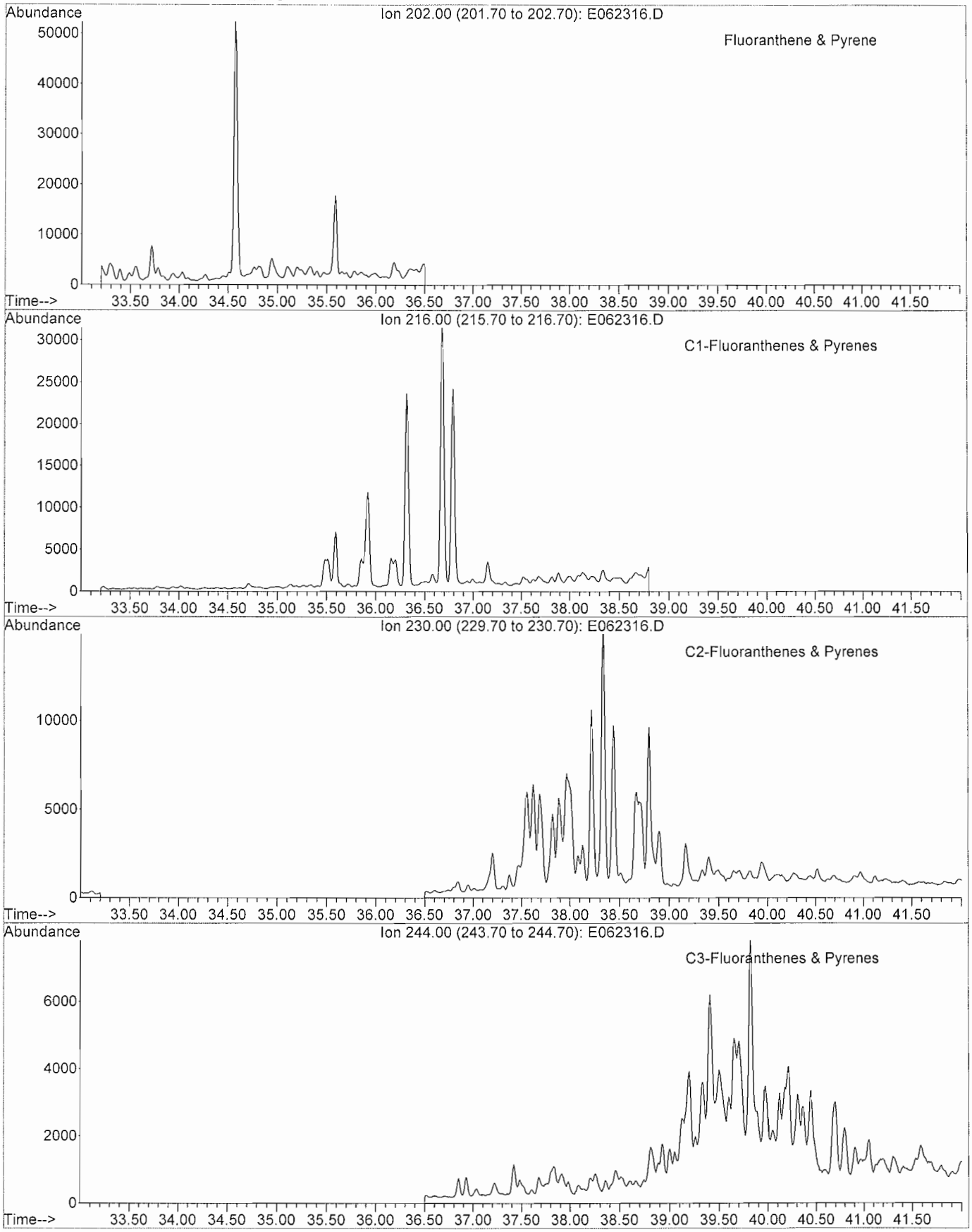

META Environmental, Inc.

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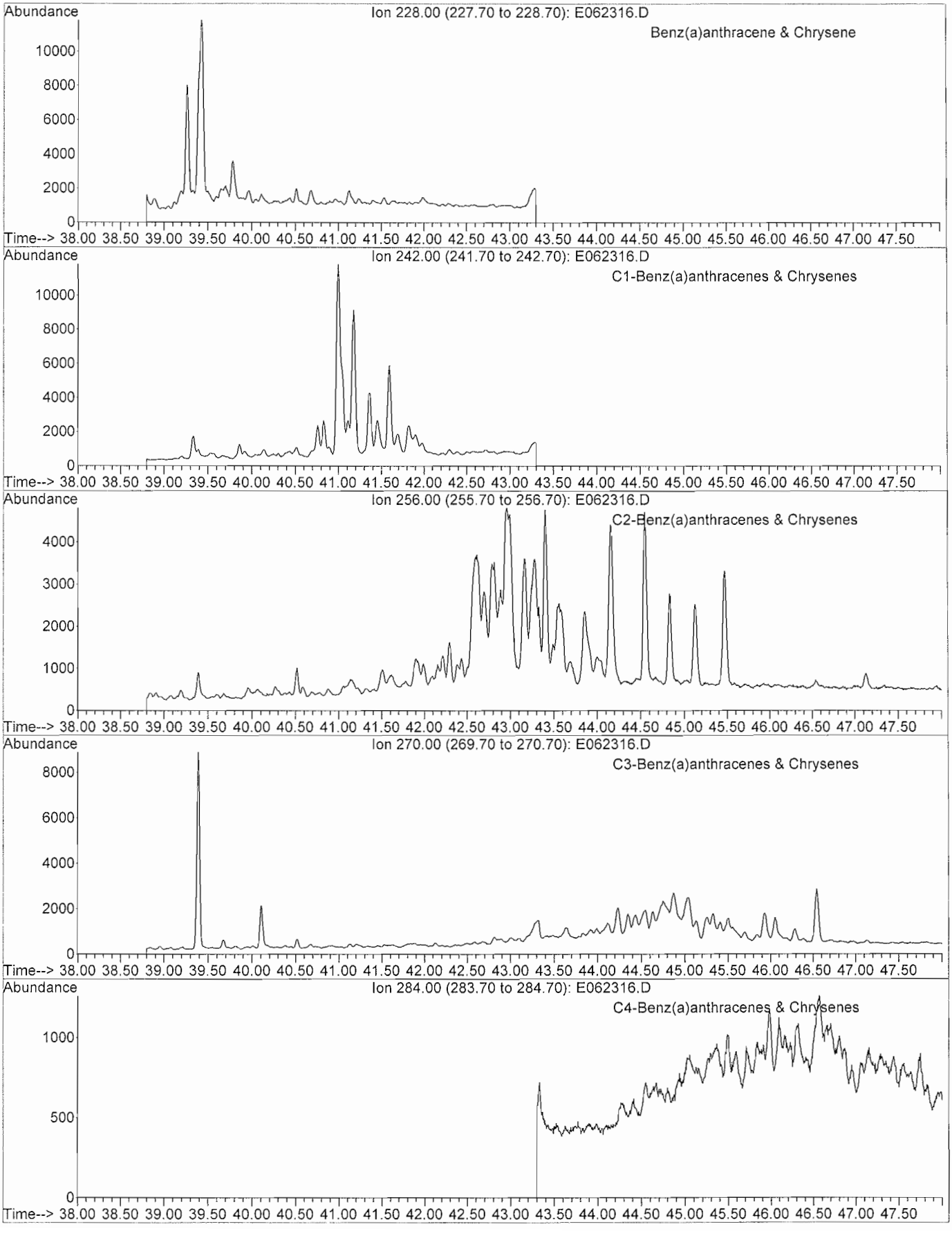
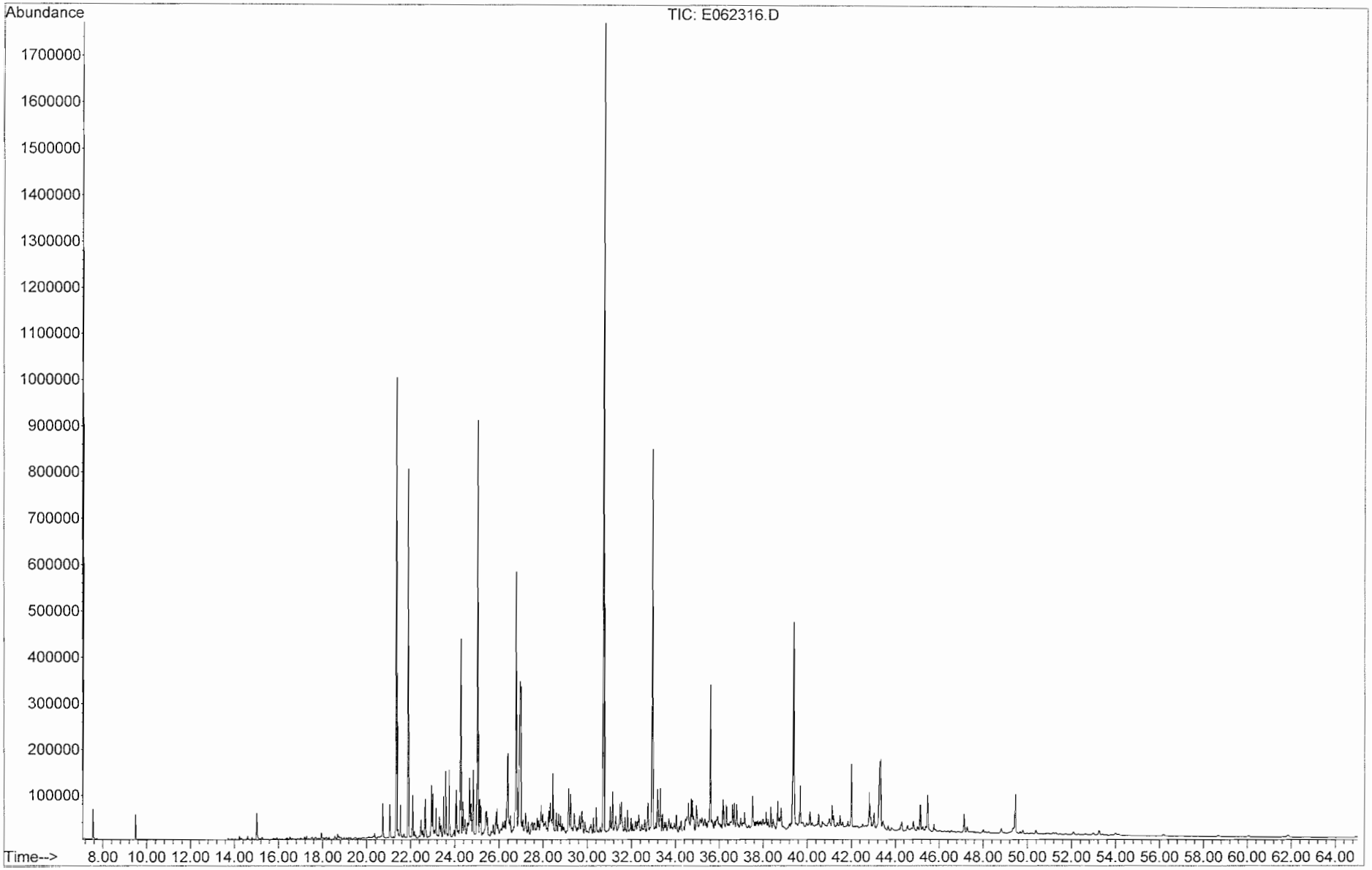
Misc Info: NAPL C



META Environmental, Inc.

GC/MS TOTAL ION CHROMATOGRAM

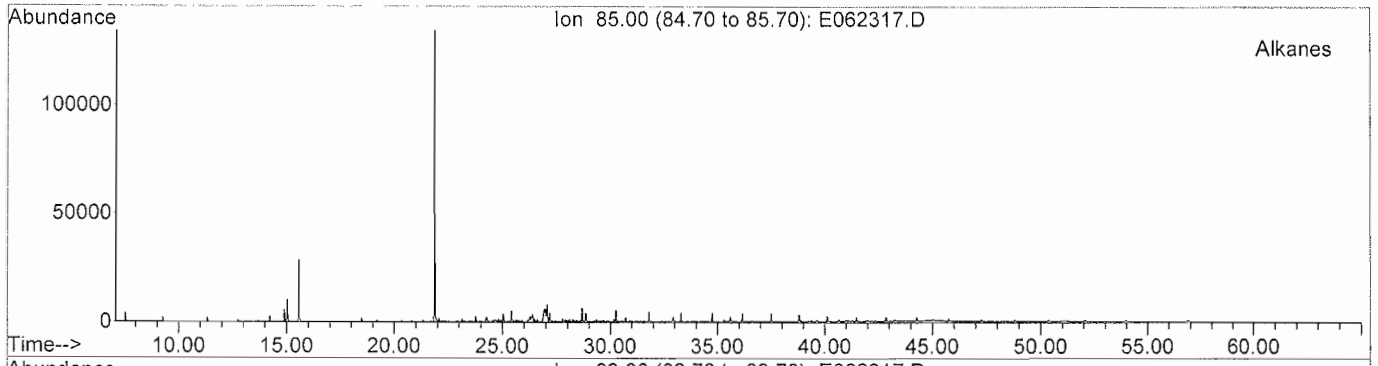
File: J:\1\DATA\E100623\E062316.D
Date Acquired: 24 Jun 2010 12:28 pm
Sample Name: BD100612-05
Misc Info: NAPL C

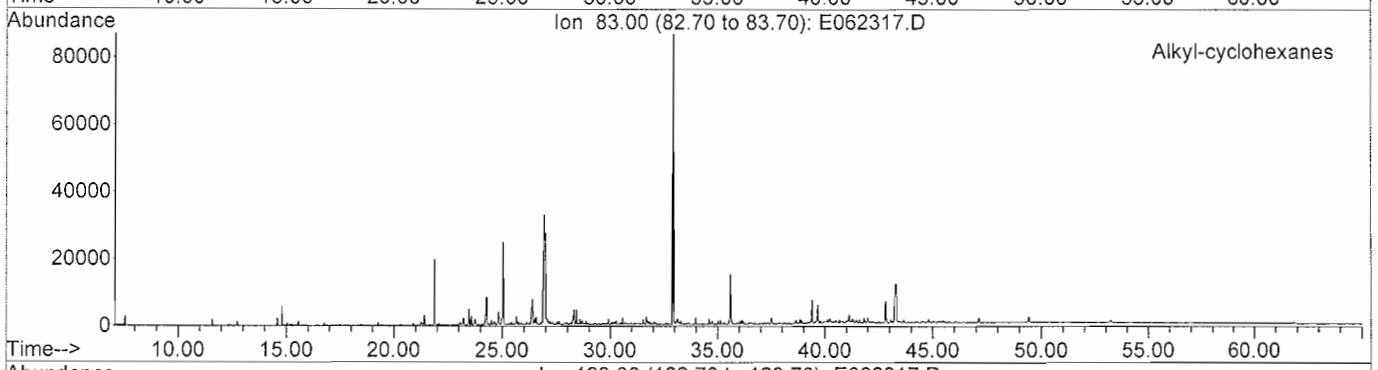


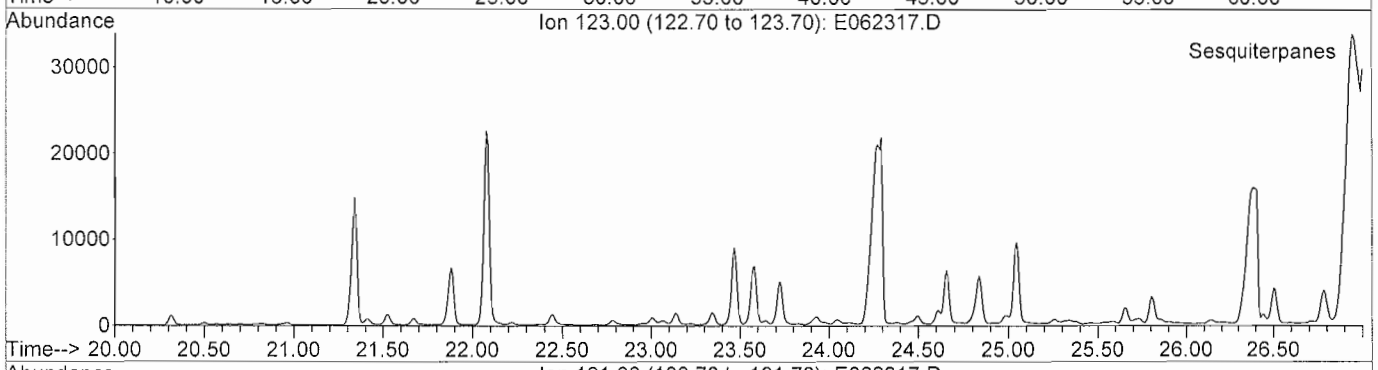
META Environmental, Inc.

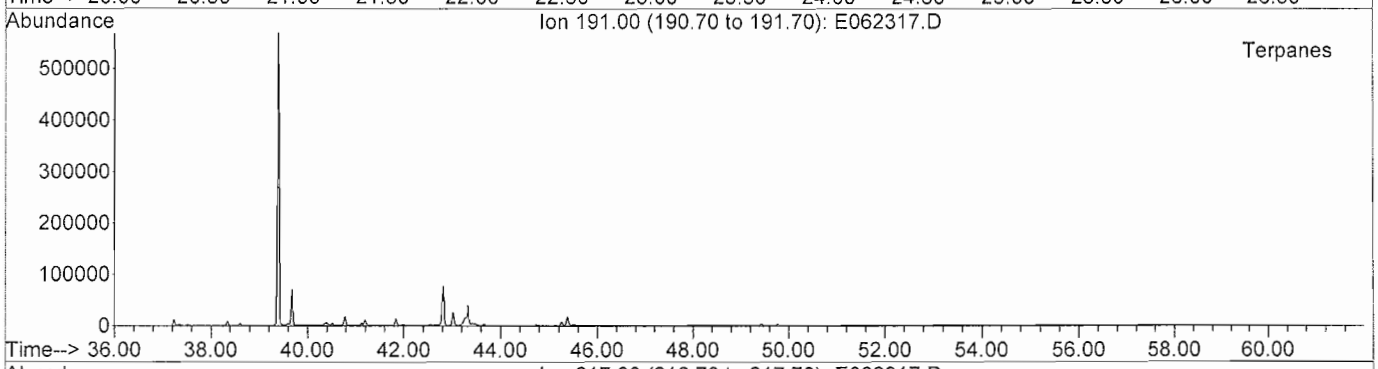
GC/MS EXTRACTED ION CHROMATOGRAM

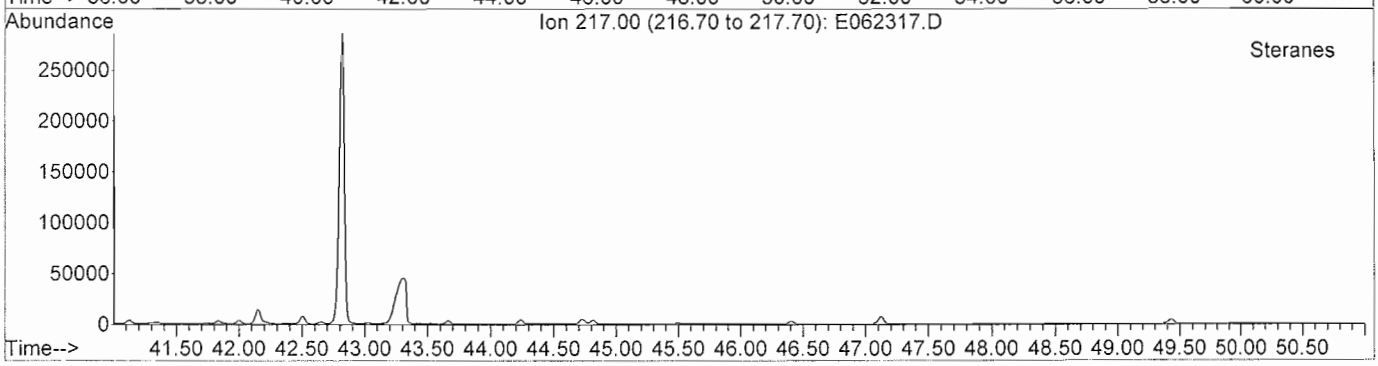
File: J:\1\DATA\E100623\E062317.D
Date Acquired: 24 Jun 2010 1:50 pm
Sample Name: BD100612-07
Misc Info: NAPL D







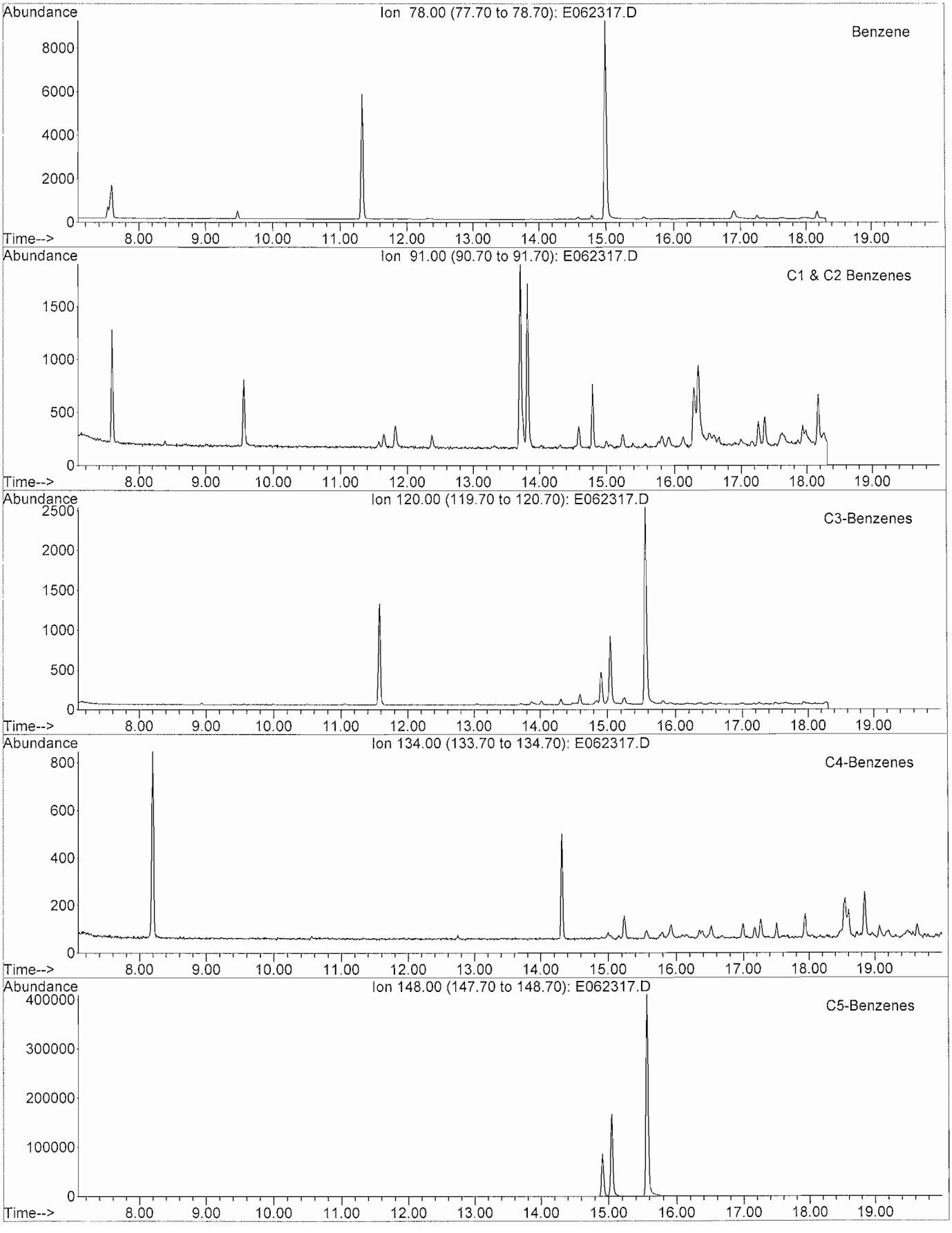




META Environmental, Inc.

GC/MS EXTRACTED ION CHROMATOGRAM

File: J:\1\DATA\E100623\E062317.D
Date Acquired: 24 Jun 2010 1:50 pm
Sample Name: BD100612-07
Misc Info: NAPL D



META Environmental, Inc.

GC/MS EXTRACTED ION CHROMATOGRAM

File: J:\1\DATA\E100623\E062317.D
Date Acquired: 24 Jun 2010 1:50 pm
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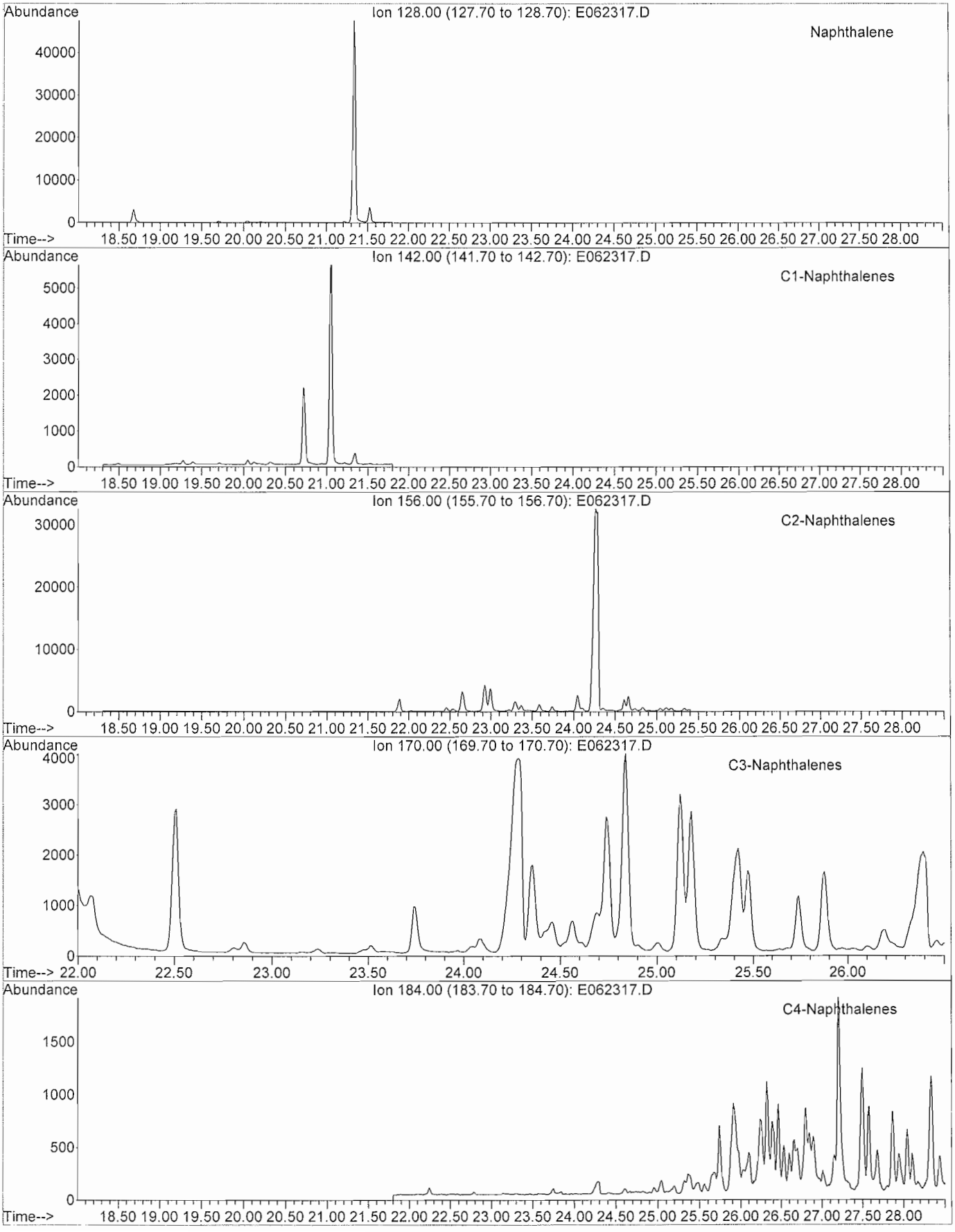
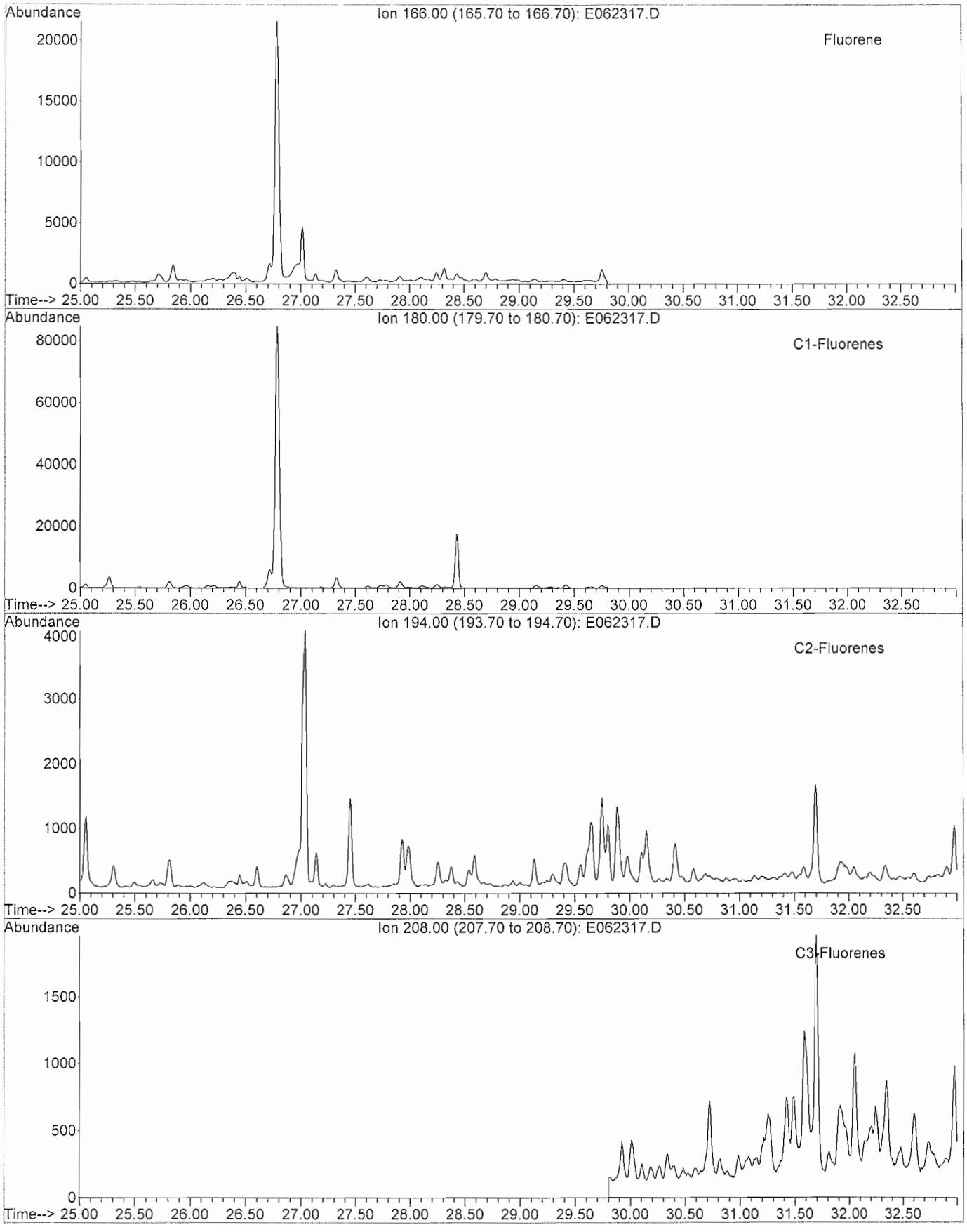
Misc Info: NAPL D



META Environmental, Inc.

GC/MS EXTRACTED ION CHROMATOGRAM

File: J:\1\DATA\E100623\E062317.D
Date Acquired: 24 Jun 2010 1:50 pm
Sample Name: BD100612-07
Misc Info: NAPL D



META Environmental, Inc.

GC/MS EXTRACTED ION CHROMATOGRAM

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Date Acquired: 24 Jun 2010 1:50 pm
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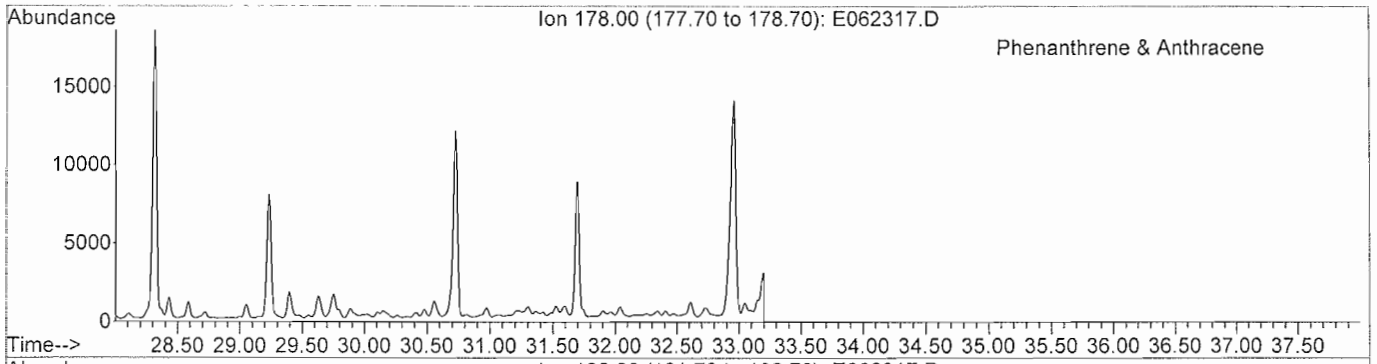
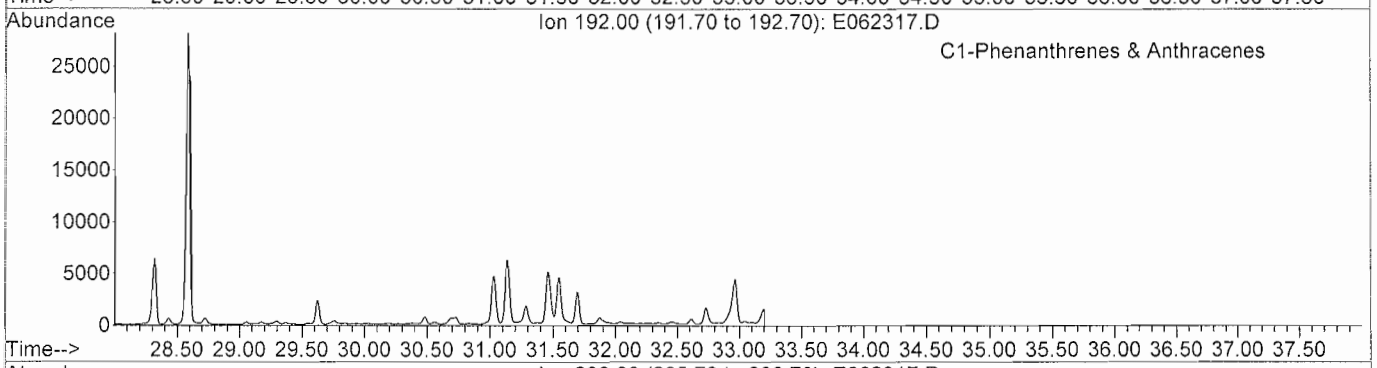
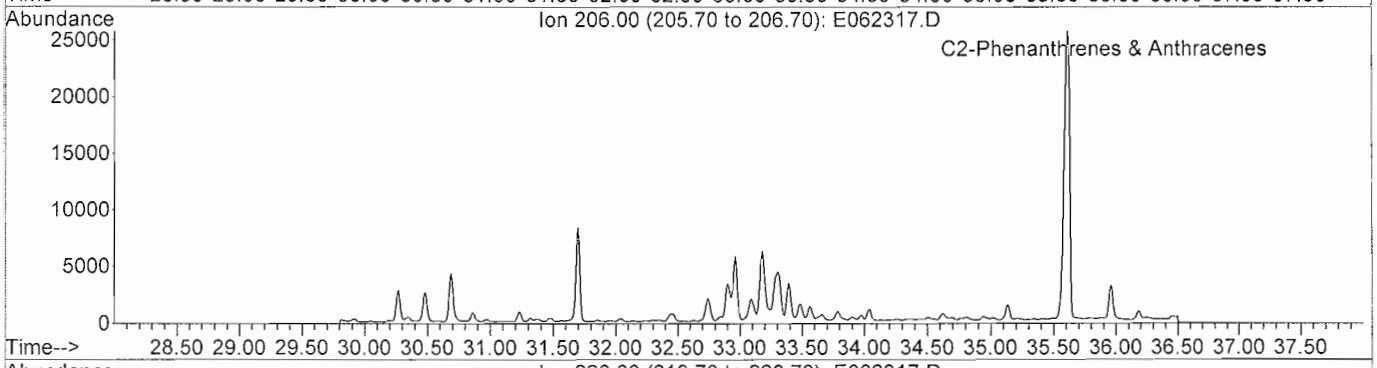
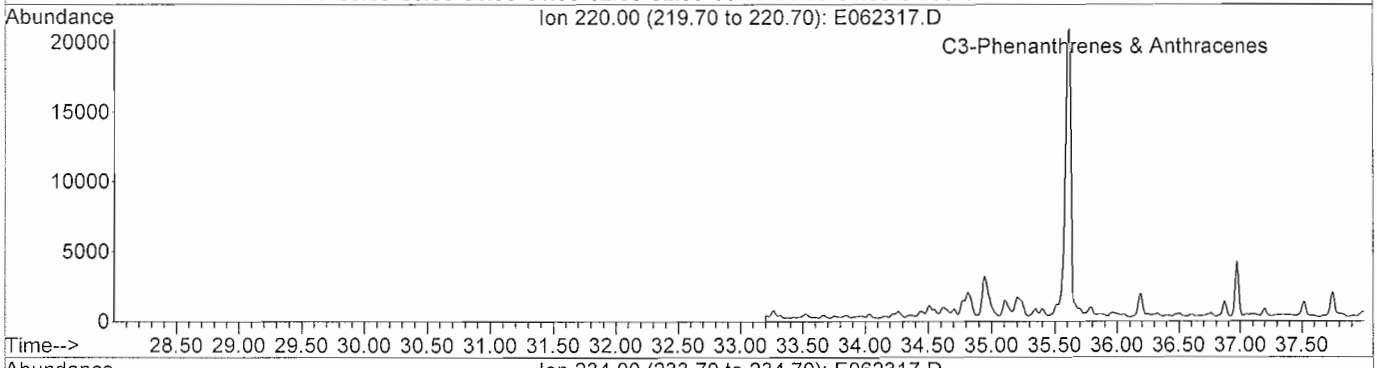
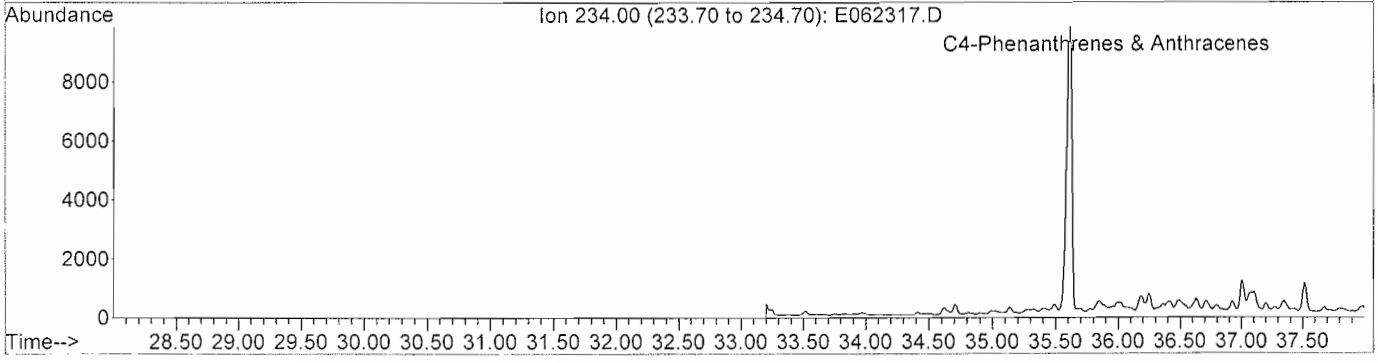






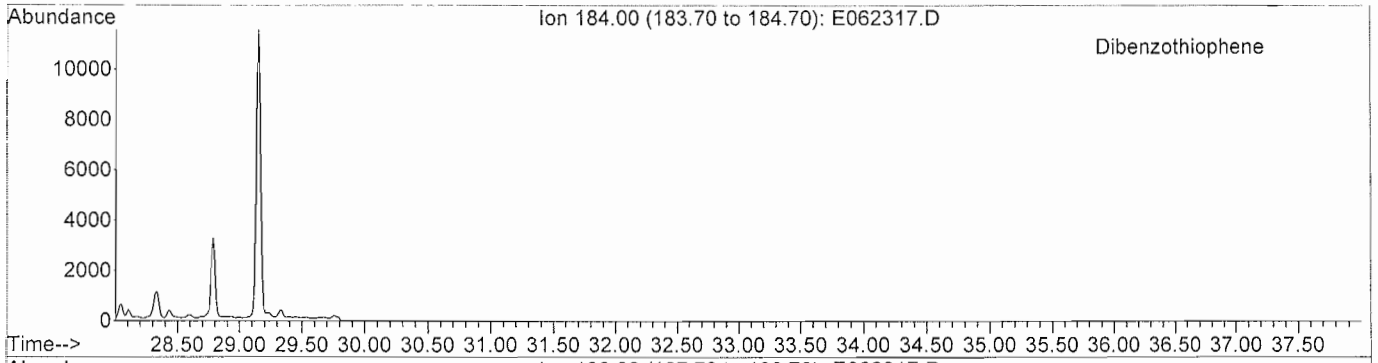


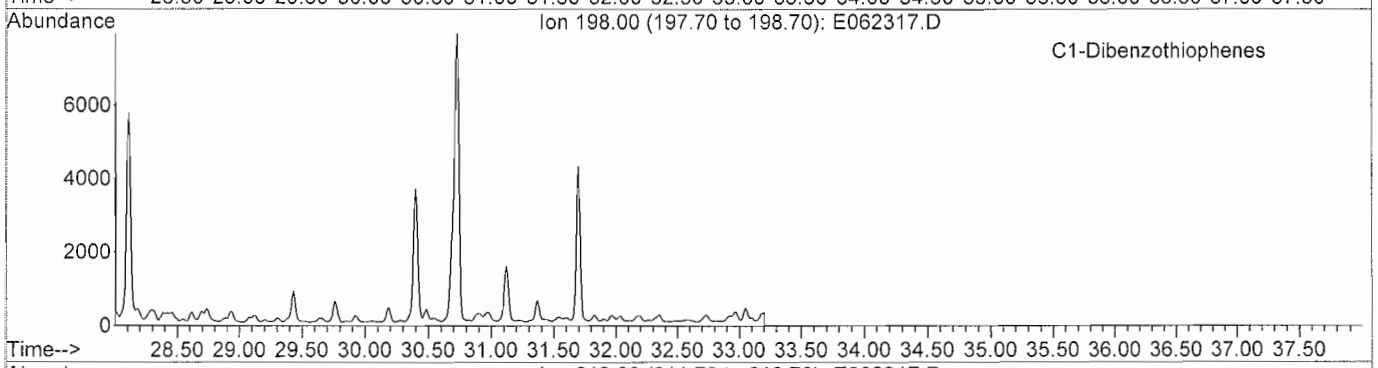


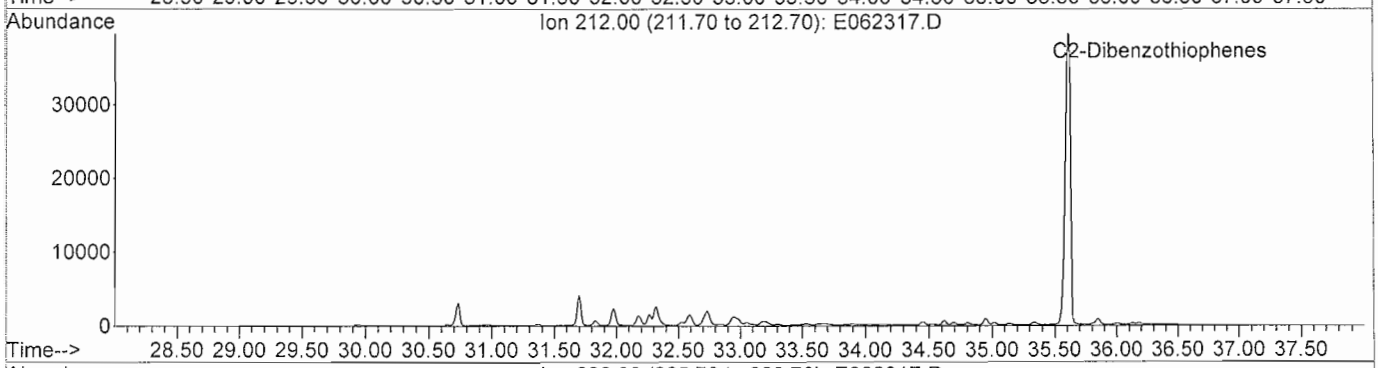
META Environmental, Inc.

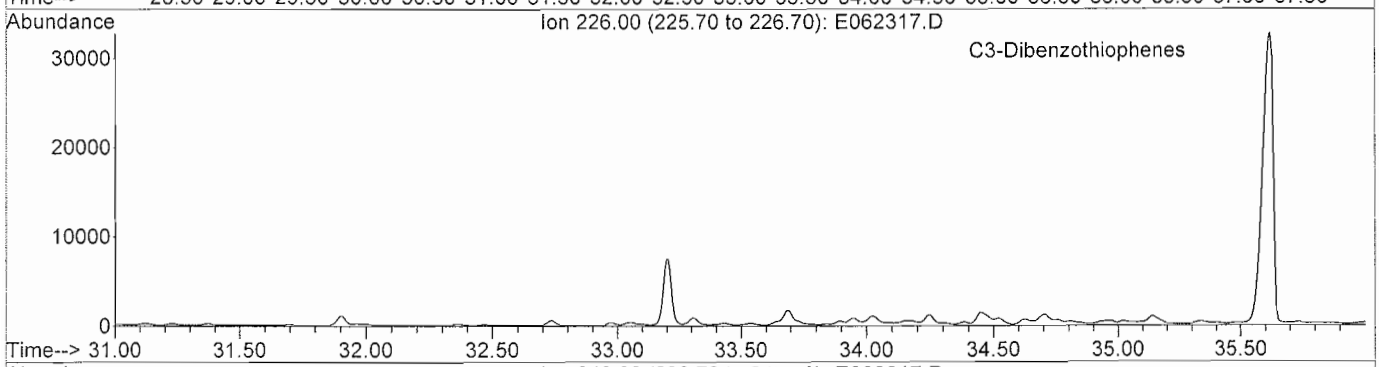
GC/MS EXTRACTED ION CHROMATOGRAM

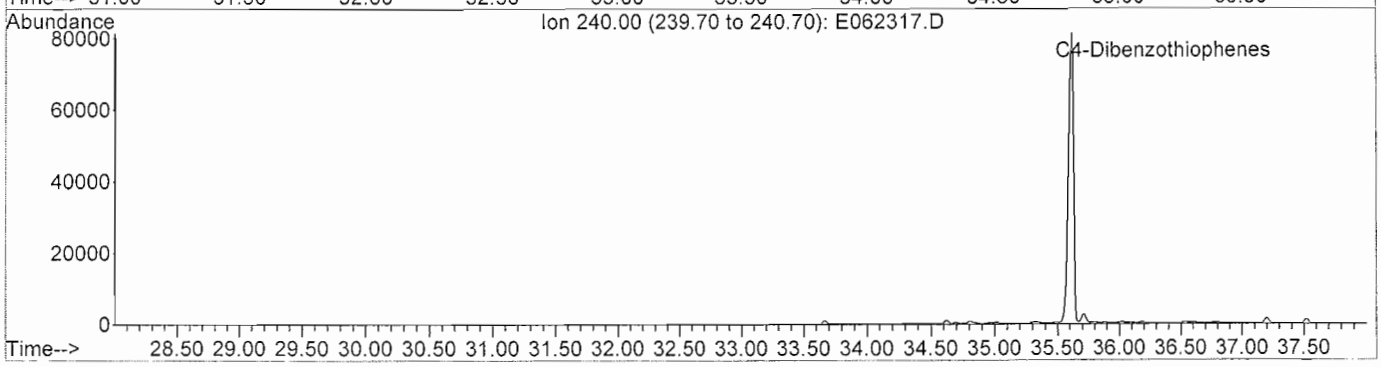
File: J:\1\DATA\E100623\E062317.D
Date Acquired: 24 Jun 2010 1:50 pm
Sample Name: BD100612-07
Misc Info: NAPL D







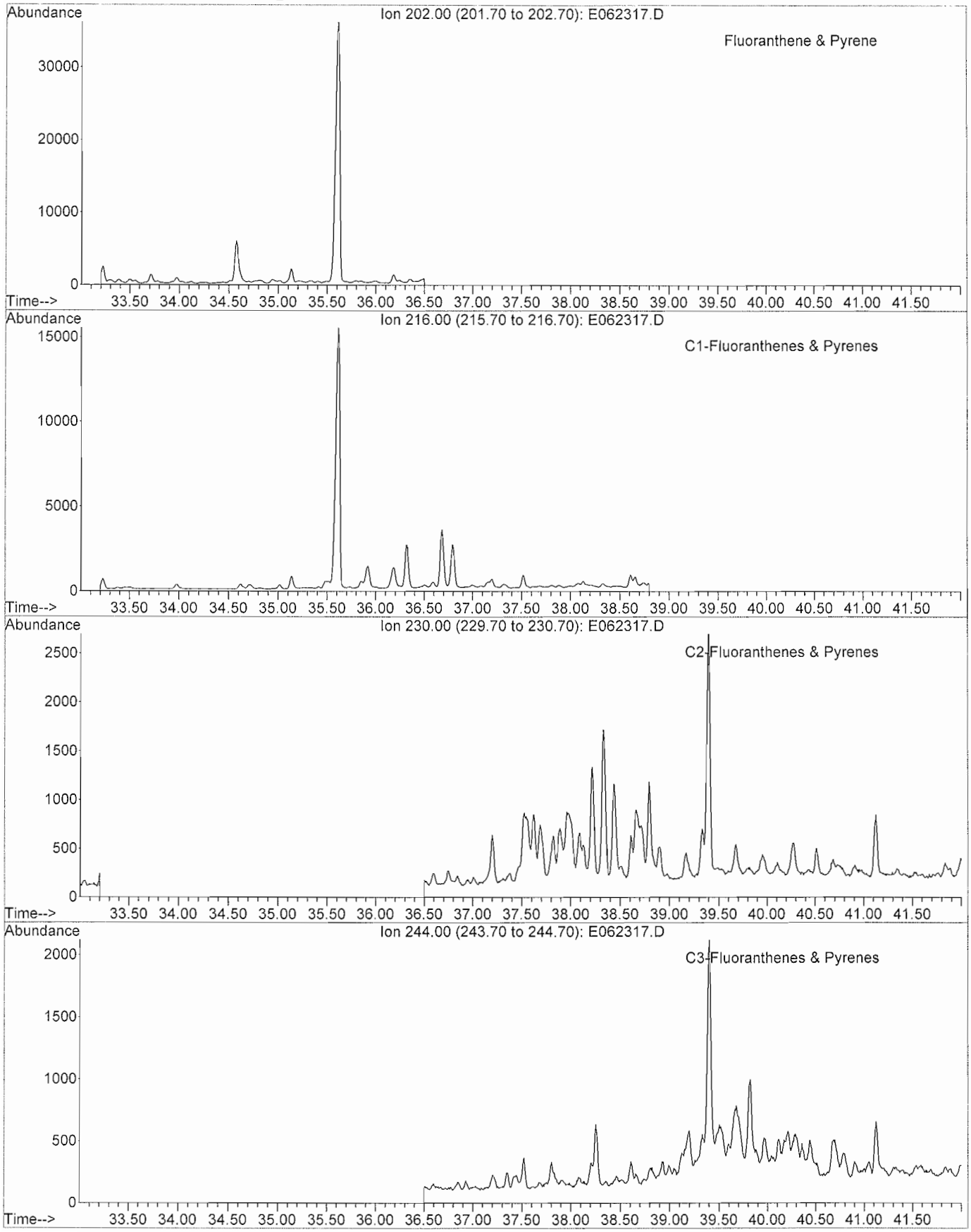




META Environmental, Inc.

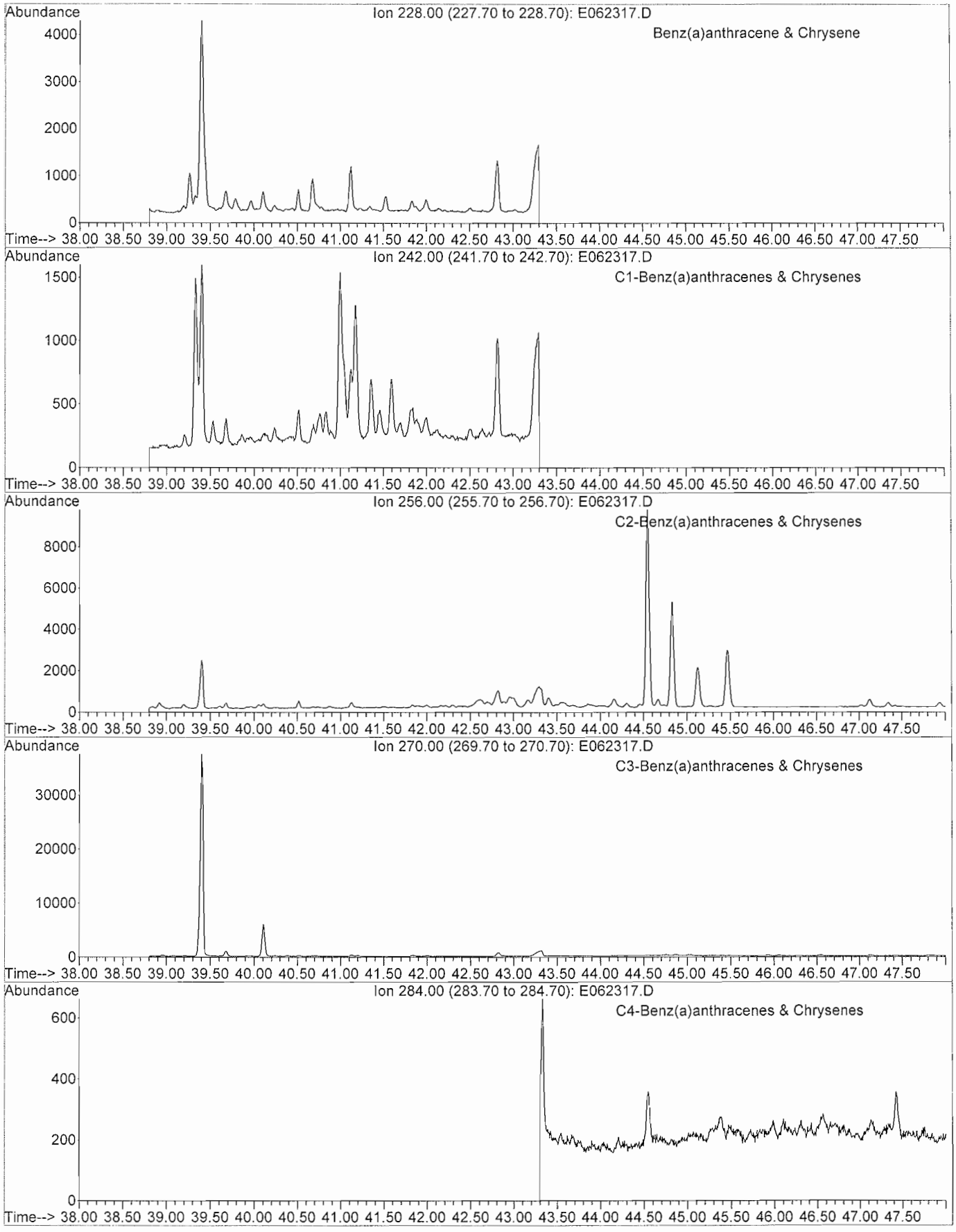
GC/MS EXTRACTED ION CHROMATOGRAM

File: J:\1\DATA\E100623\E062317.D
Date Acquired: 24 Jun 2010 1:50 pm
Sample Name: BD100612-07
Misc Info: NAPL D



GC/MS EXTRACTED ION CHROMATOGRAM

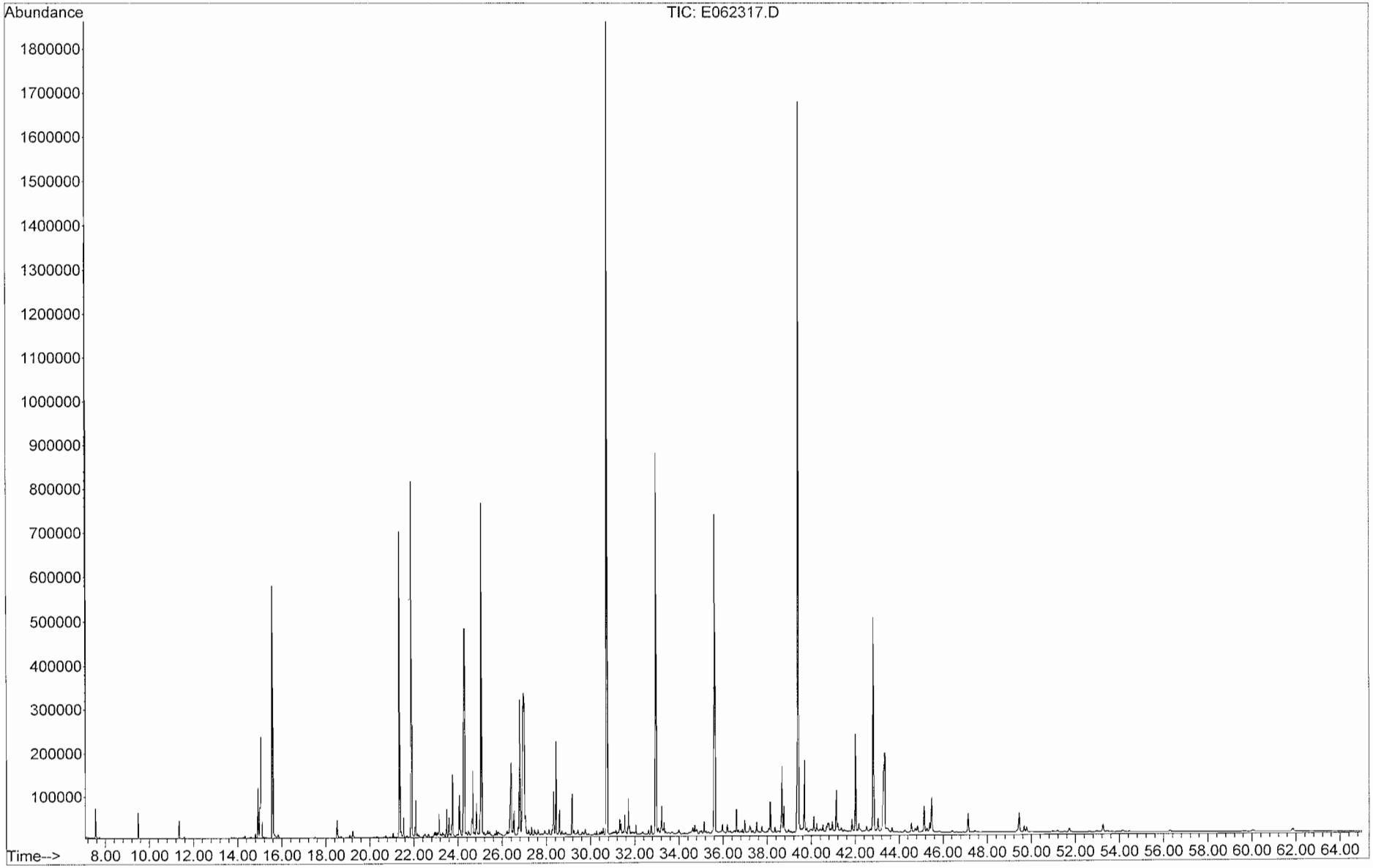
File: J:\1\DATA\E100623\E062317.D
Date Acquired: 24 Jun 2010 1:50 pm
Sample Name: BD100612-07
Misc Info: NAPL D



META Environmental, Inc.

GC/MS TOTAL ION CHROMATOGRAM

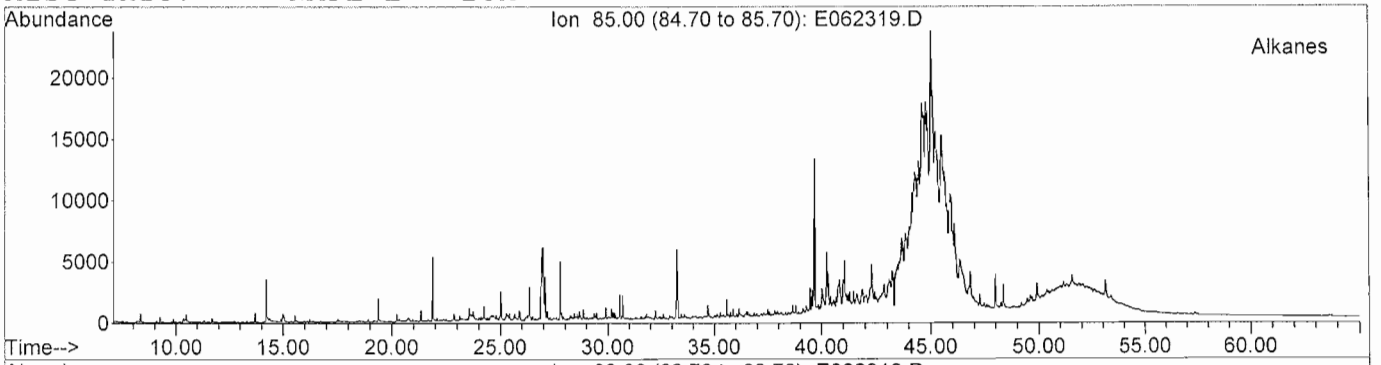
File: J:\1\DATA\E100623\E062317.D
Date Acquired: 24 Jun 2010 1:50 pm
Sample Name: BD100612-07
Misc Info: NAPL D

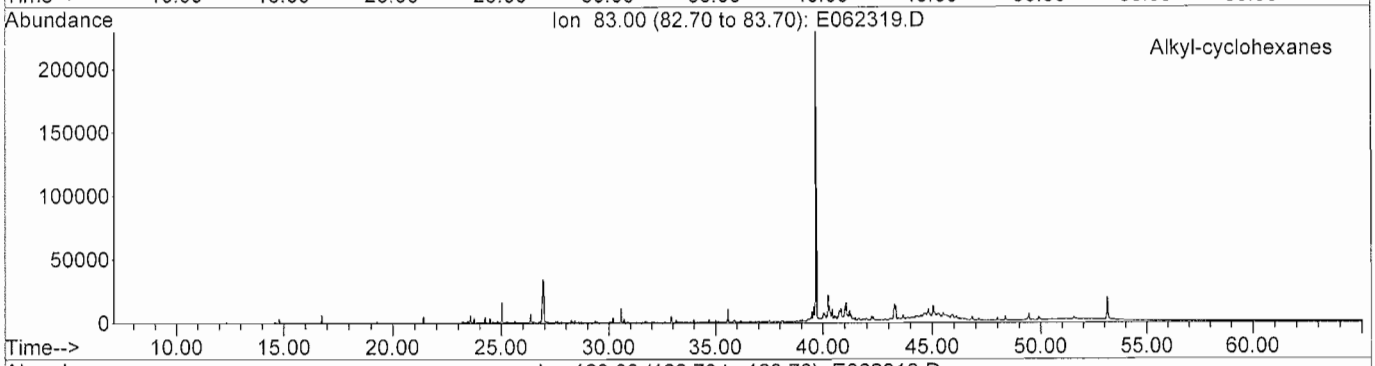


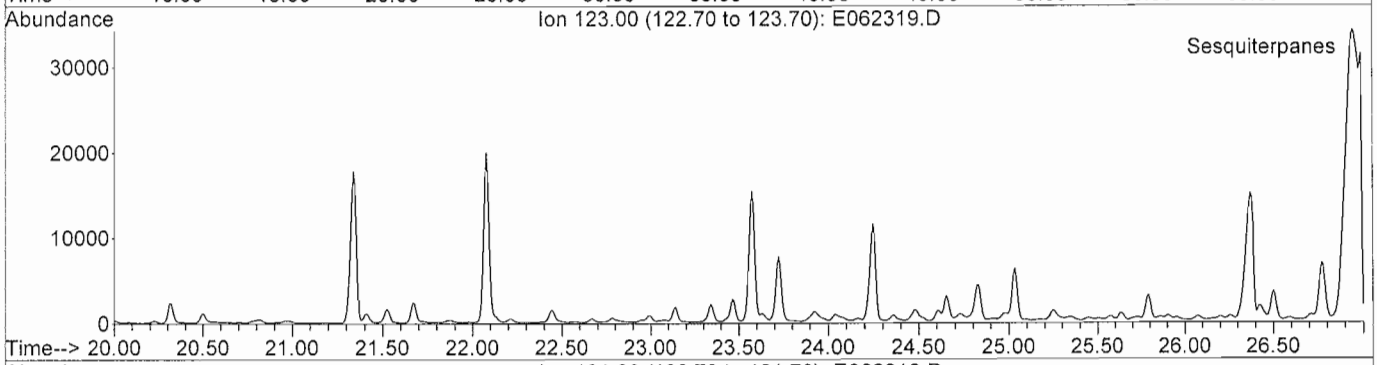
META Environmental, Inc.

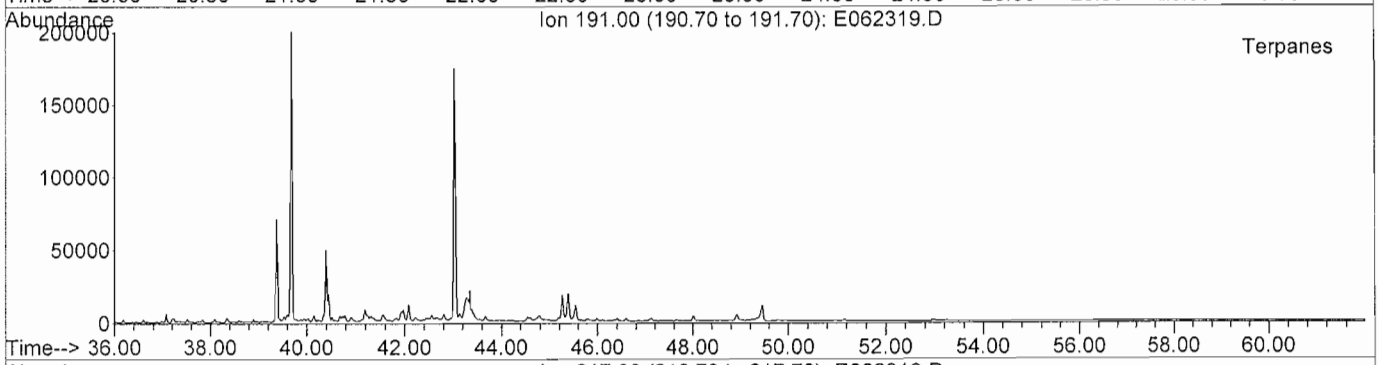
GC/MS EXTRACTED ION CHROMATOGRAM

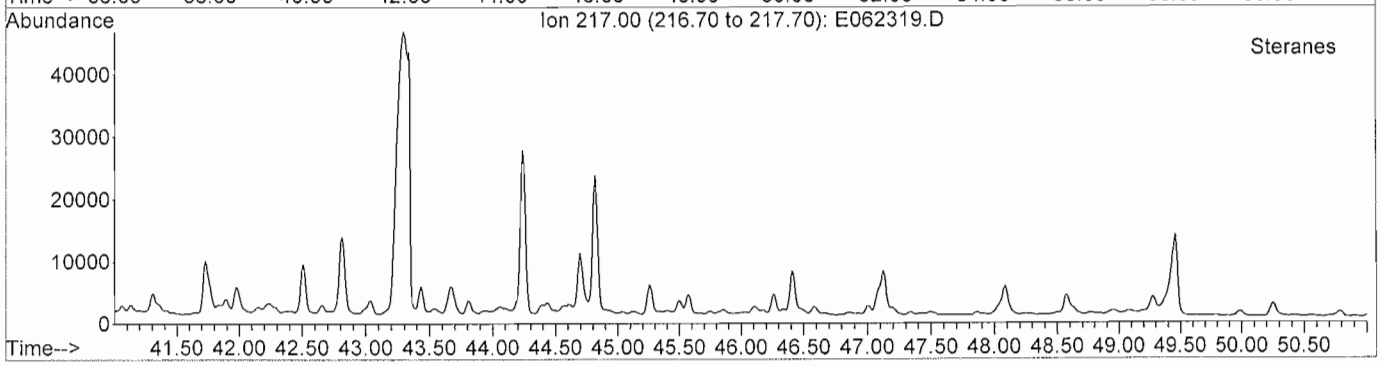
File: J:\1\DATA\E100623\E062319.D
Date Acquired: 24 Jun 2010 4:42 pm
Sample Name: BD100612-09-D1
Misc Info: NAPL E - 20X







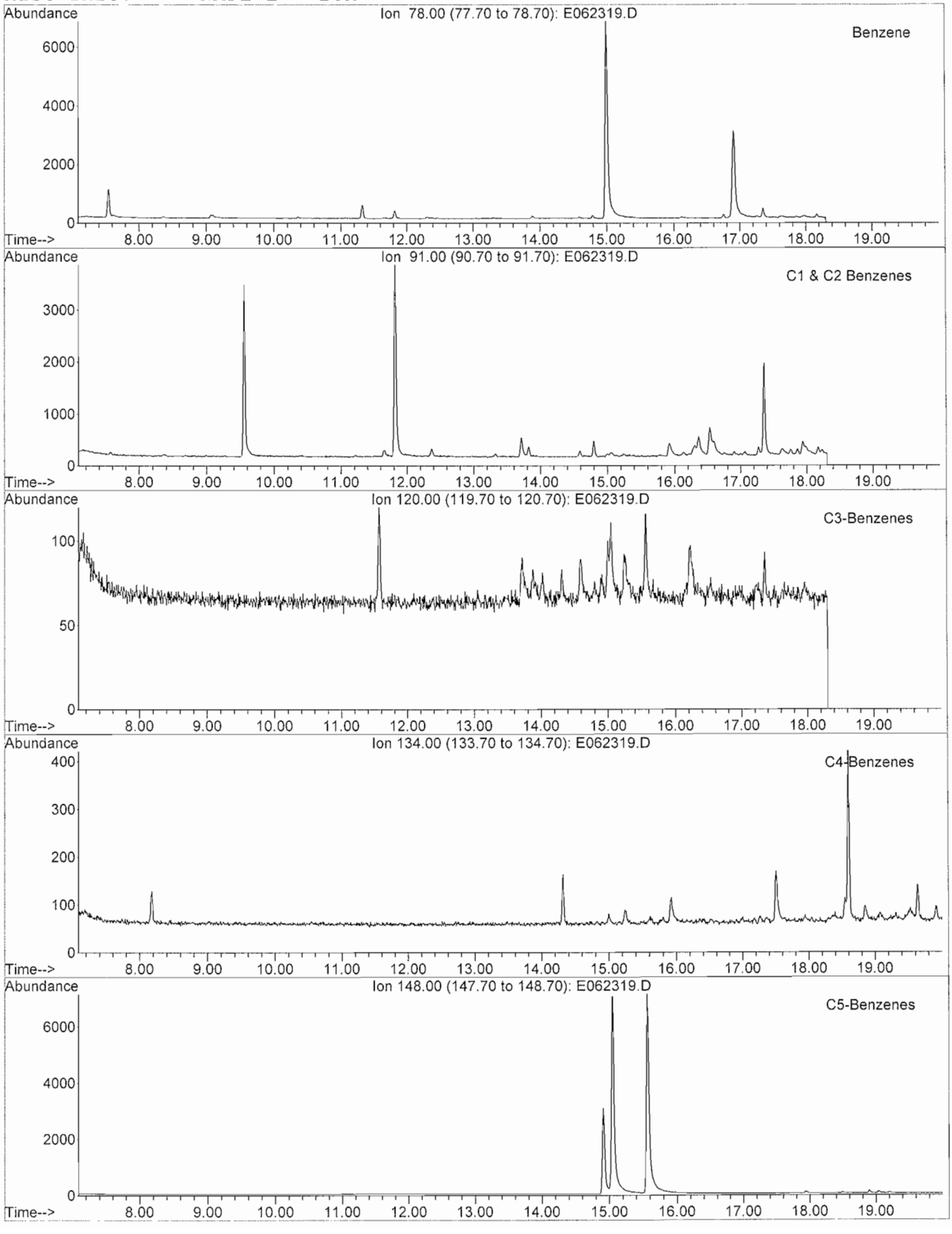




META Environmental, Inc.

GC/MS EXTRACTED ION CHROMATOGRAM

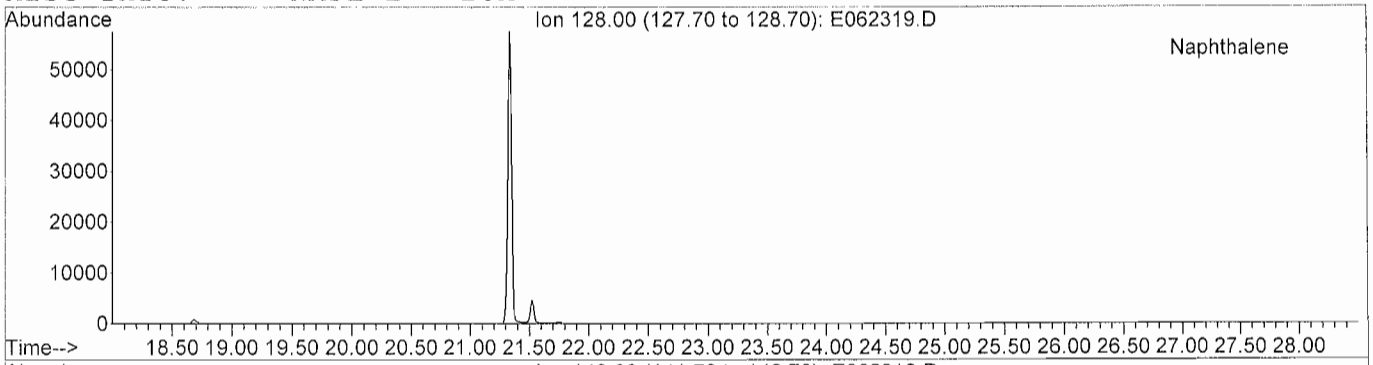
File: J:\1\DATA\E100623\E062319.D
Date Acquired: 24 Jun 2010 4:42 pm
Sample Name: BD100612-09-D1
Misc Info: NAPL E - 20X

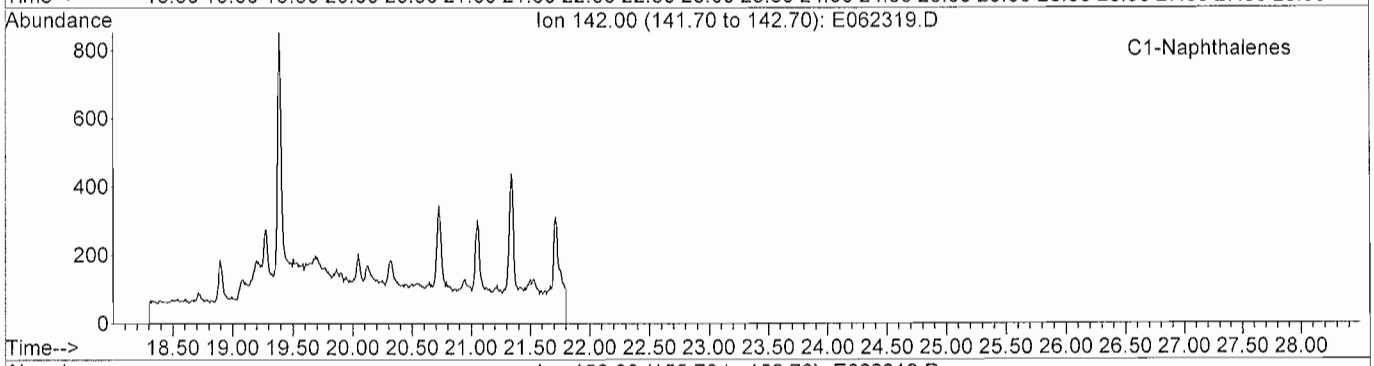


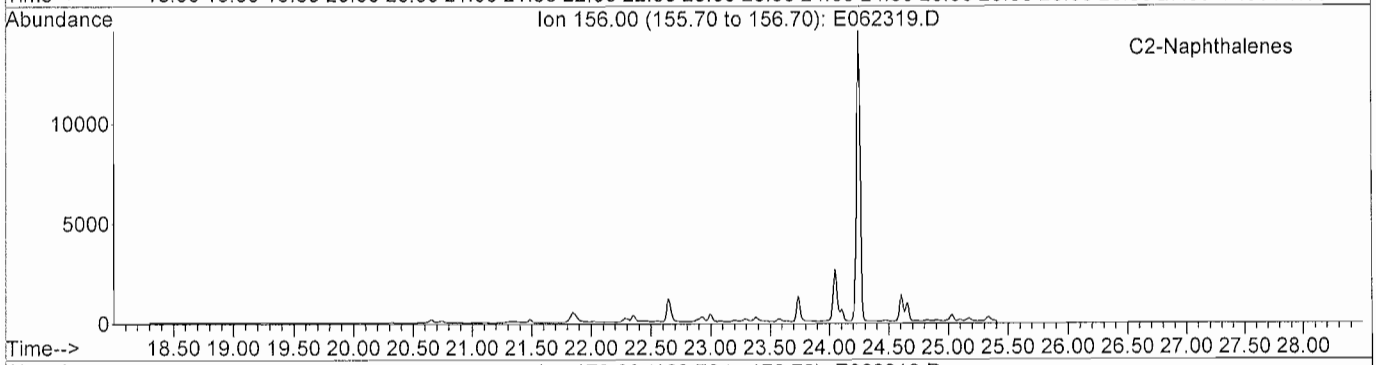
META Environmental, Inc.

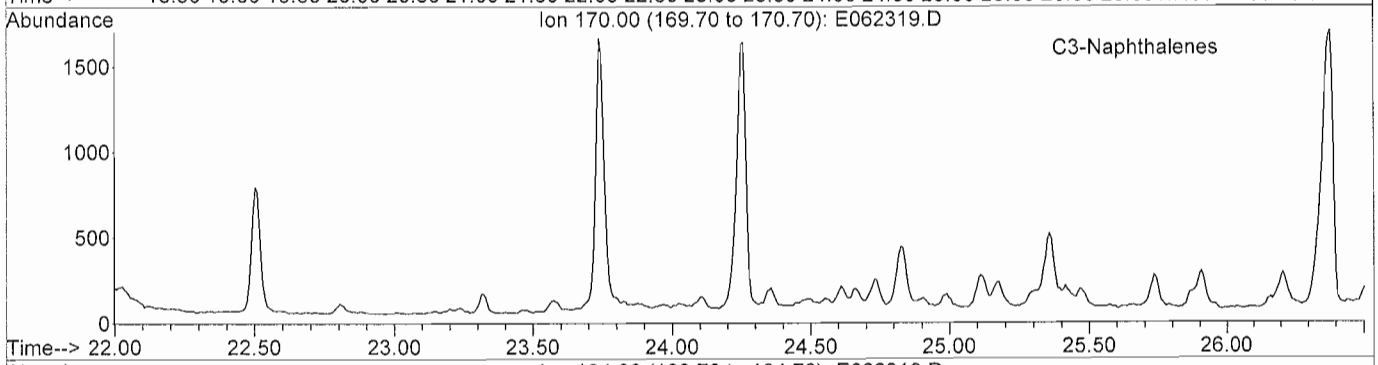
GC/MS EXTRACTED ION CHROMATOGRAM

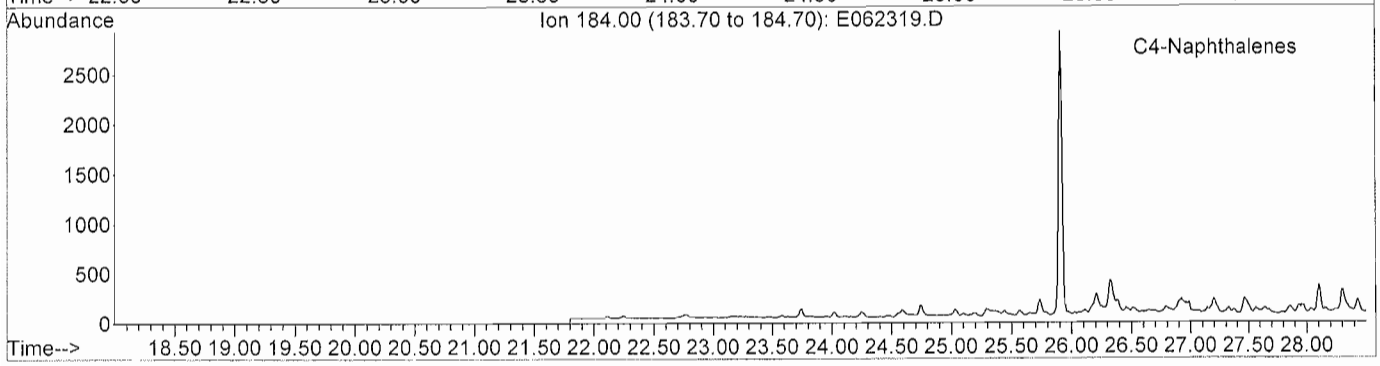
File: J:\1\DATA\E100623\E062319.D
Date Acquired: 24 Jun 2010 4:42 pm
Sample Name: BD100612-09-D1
Misc Info: NAPL E - 20X







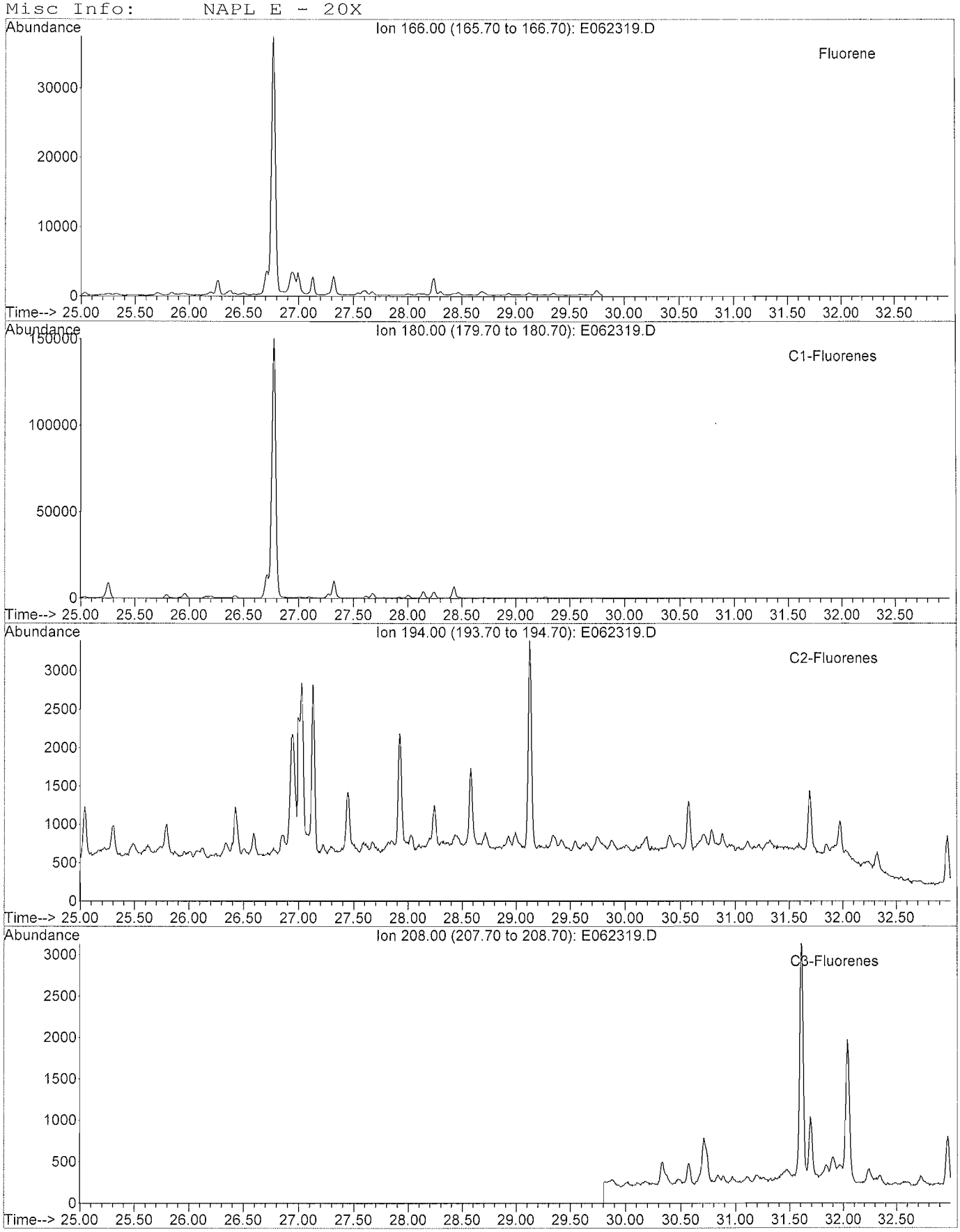




META Environmental, Inc.

GC/MS EXTRACTED ION CHROMATOGRAM

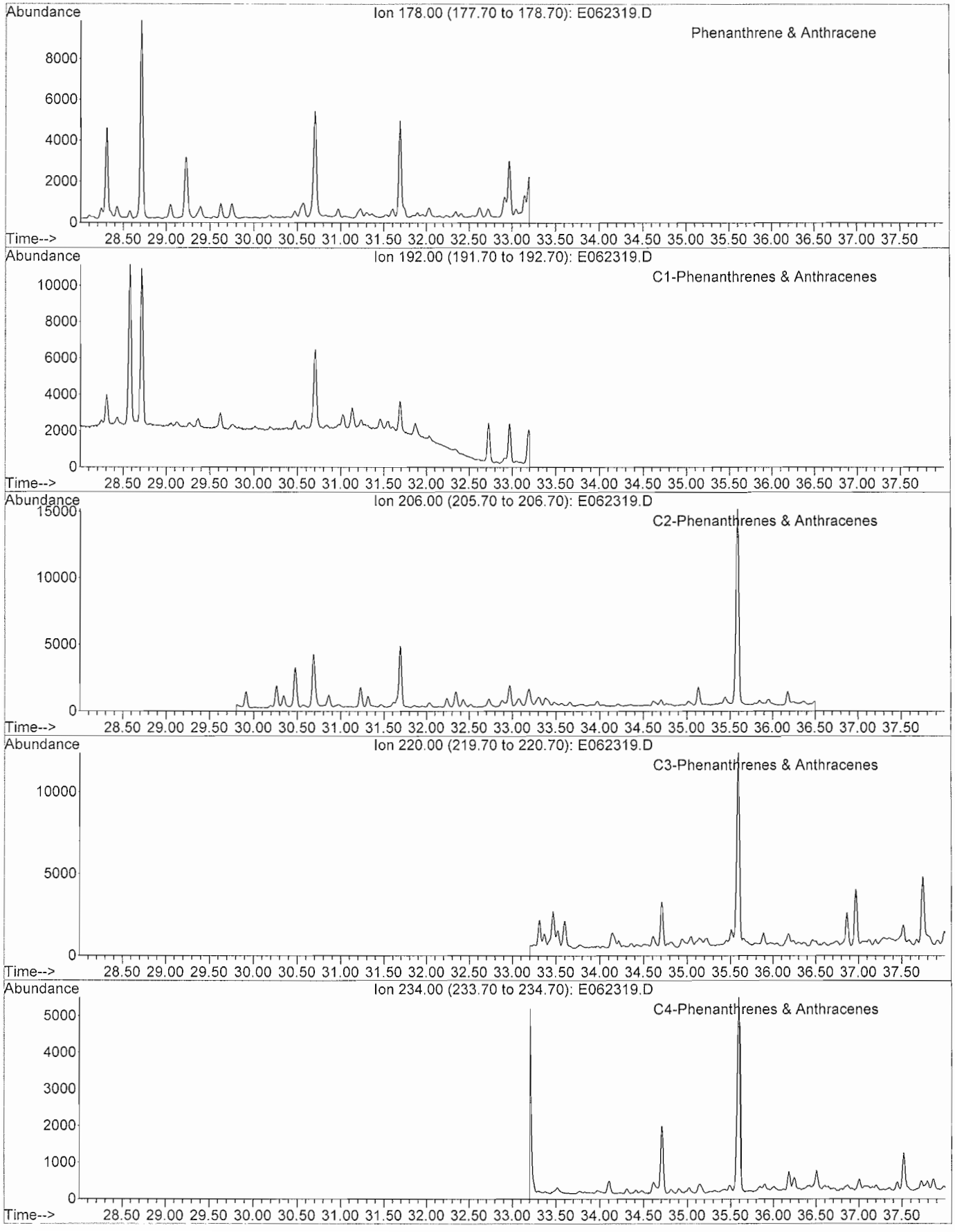
File: J:\1\DATA\E100623\E062319.D
Date Acquired: 24 Jun 2010 4:42 pm
Sample Name: BD100612-09-D1
Misc Info: NAPL E - 20X



META Environmental, Inc.

GC/MS EXTRACTED ION CHROMATOGRAM

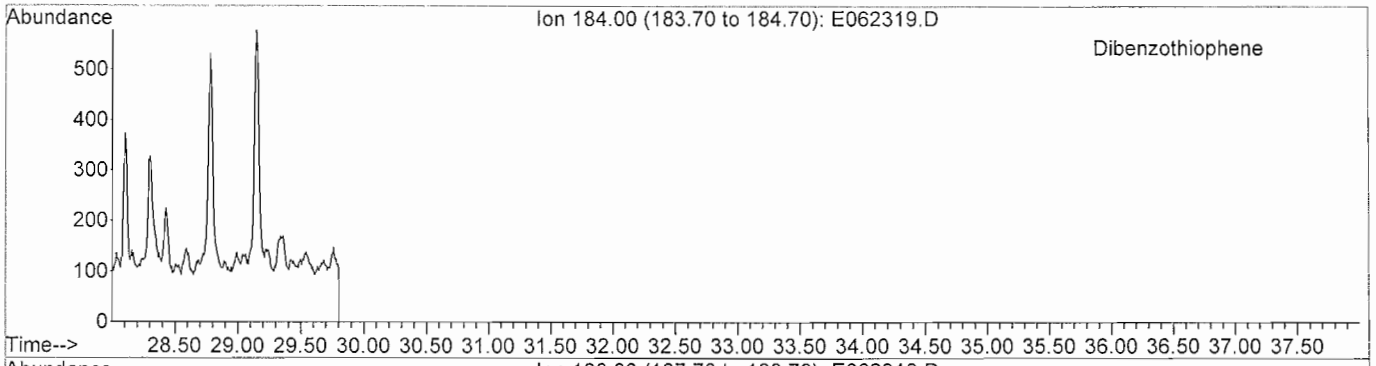
File: J:\1\DATA\E100623\E062319.D
Date Acquired: 24 Jun 2010 4:42 pm
Sample Name: BD100612-09-D1
Misc Info: NAPL E - 20X

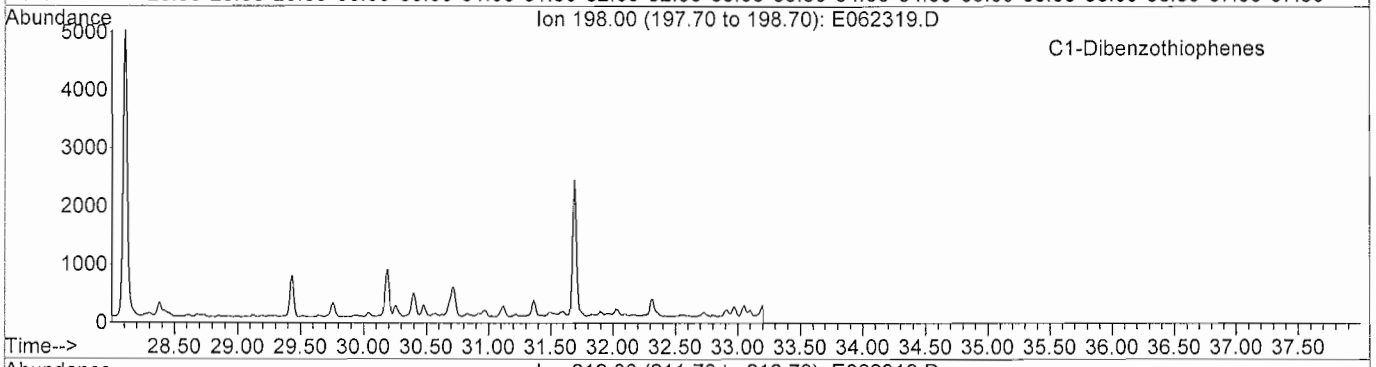


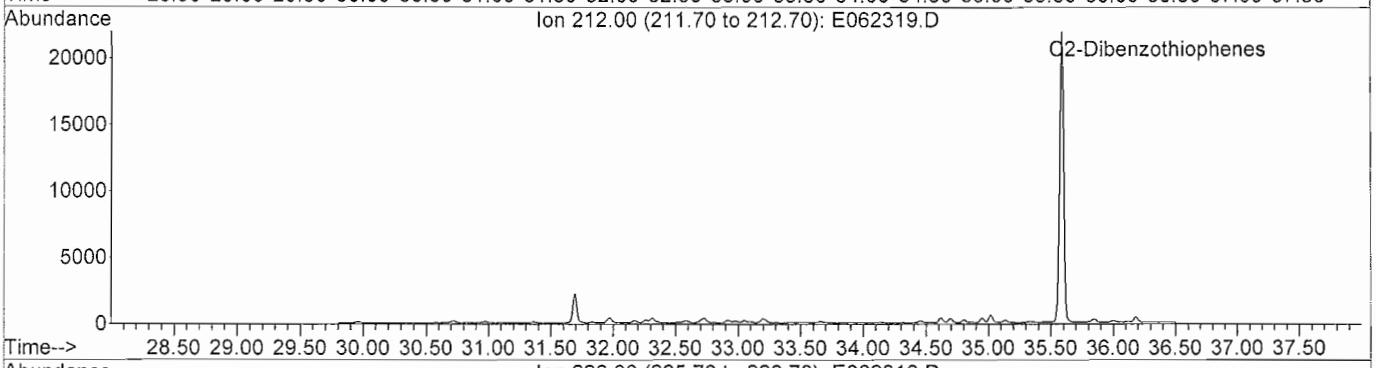
META Environmental, Inc.

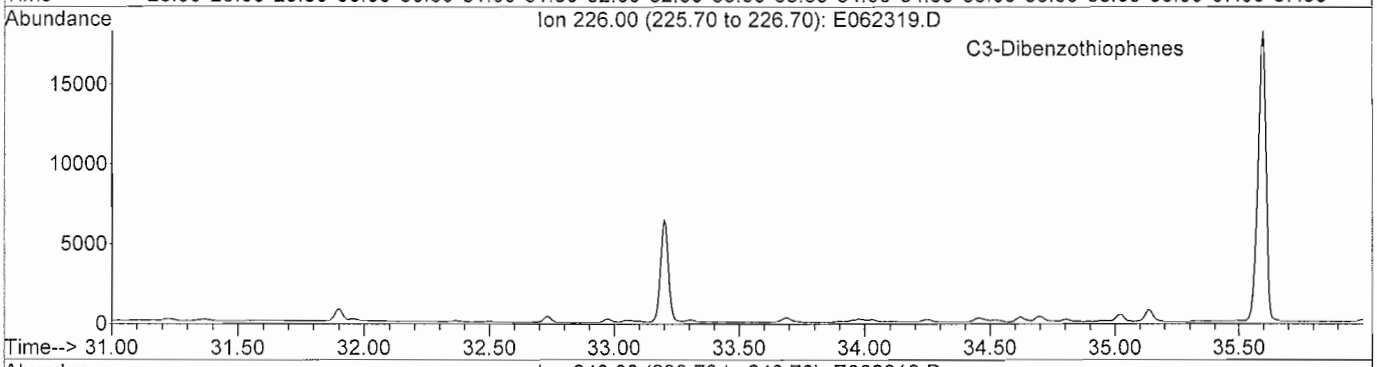
GC/MS EXTRACTED ION CHROMATOGRAM

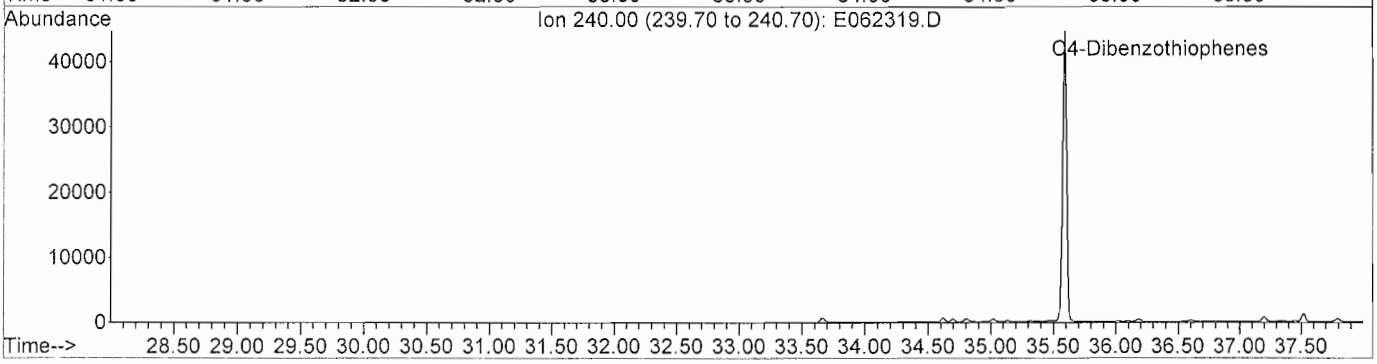
File: J:\1\DATA\E100623\E062319.D
Date Acquired: 24 Jun 2010 4:42 pm
Sample Name: BD100612-09-D1
Misc Info: NAPL E - 20X







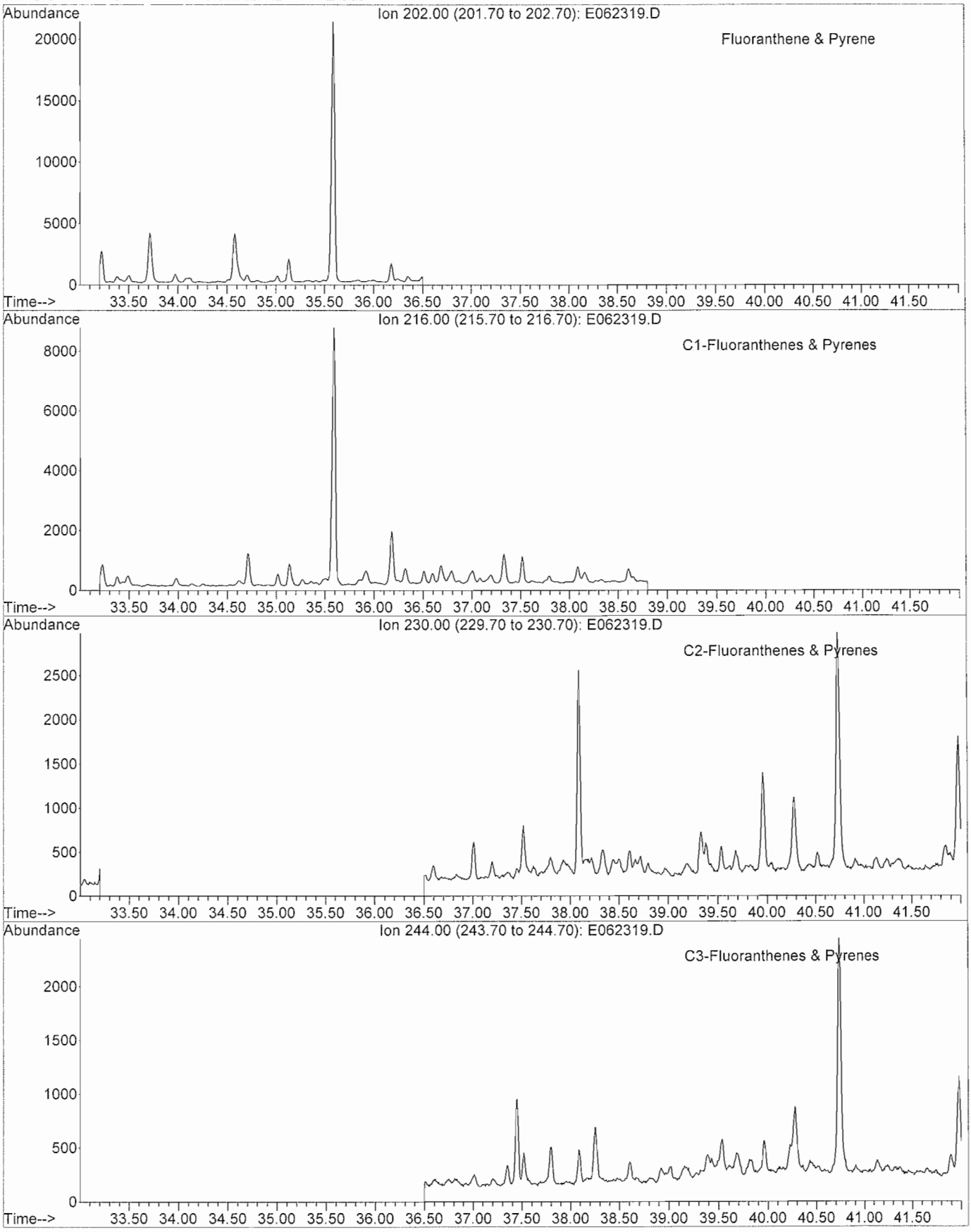




META Environmental, Inc.

GC/MS EXTRACTED ION CHROMATOGRAM

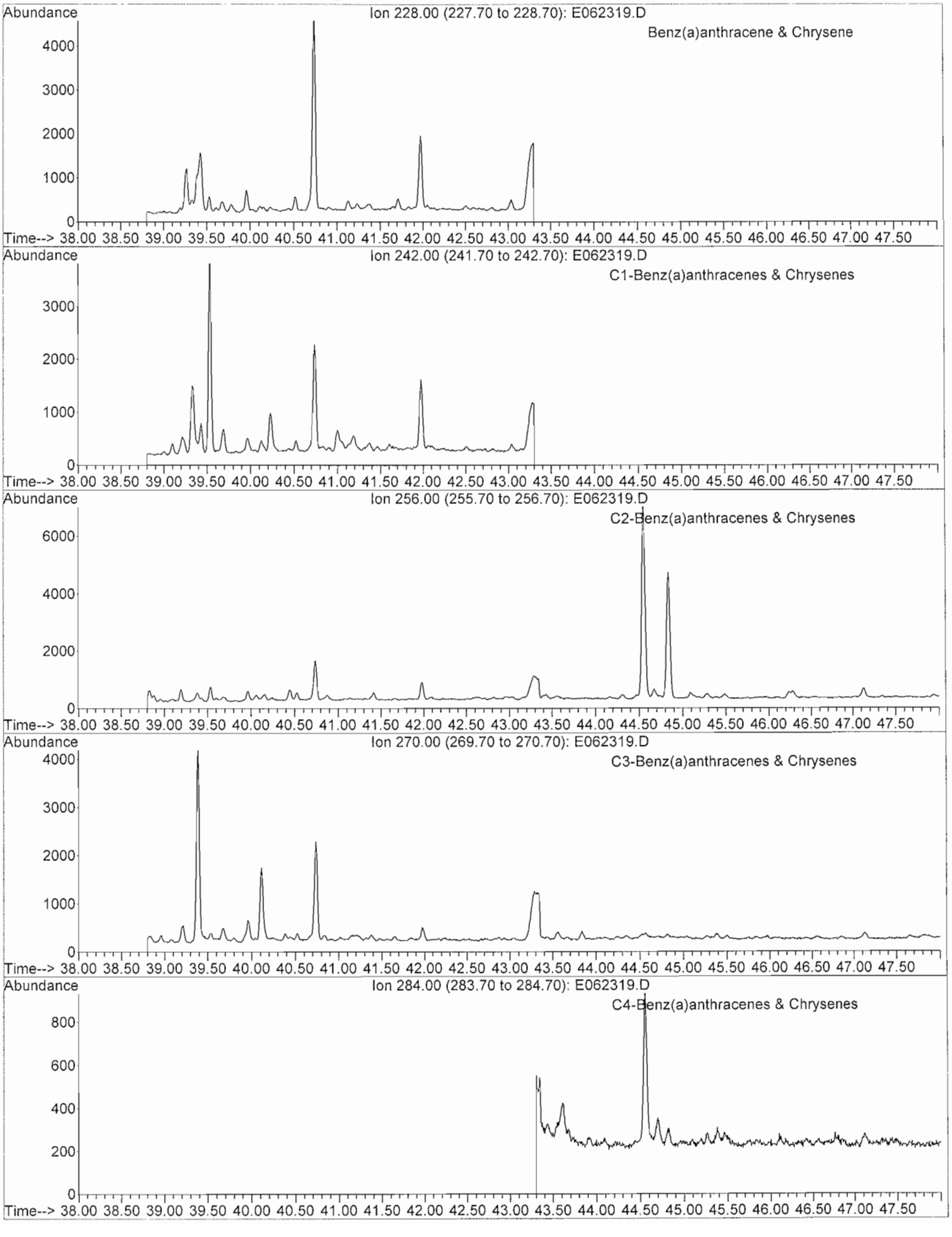
File: J:\1\DATA\E100623\E062319.D
Date Acquired: 24 Jun 2010 4:42 pm
Sample Name: BD100612-09-D1
Misc Info: NAPL E - 20X



META Environmental, Inc.

GC/MS EXTRACTED ION CHROMATOGRAM

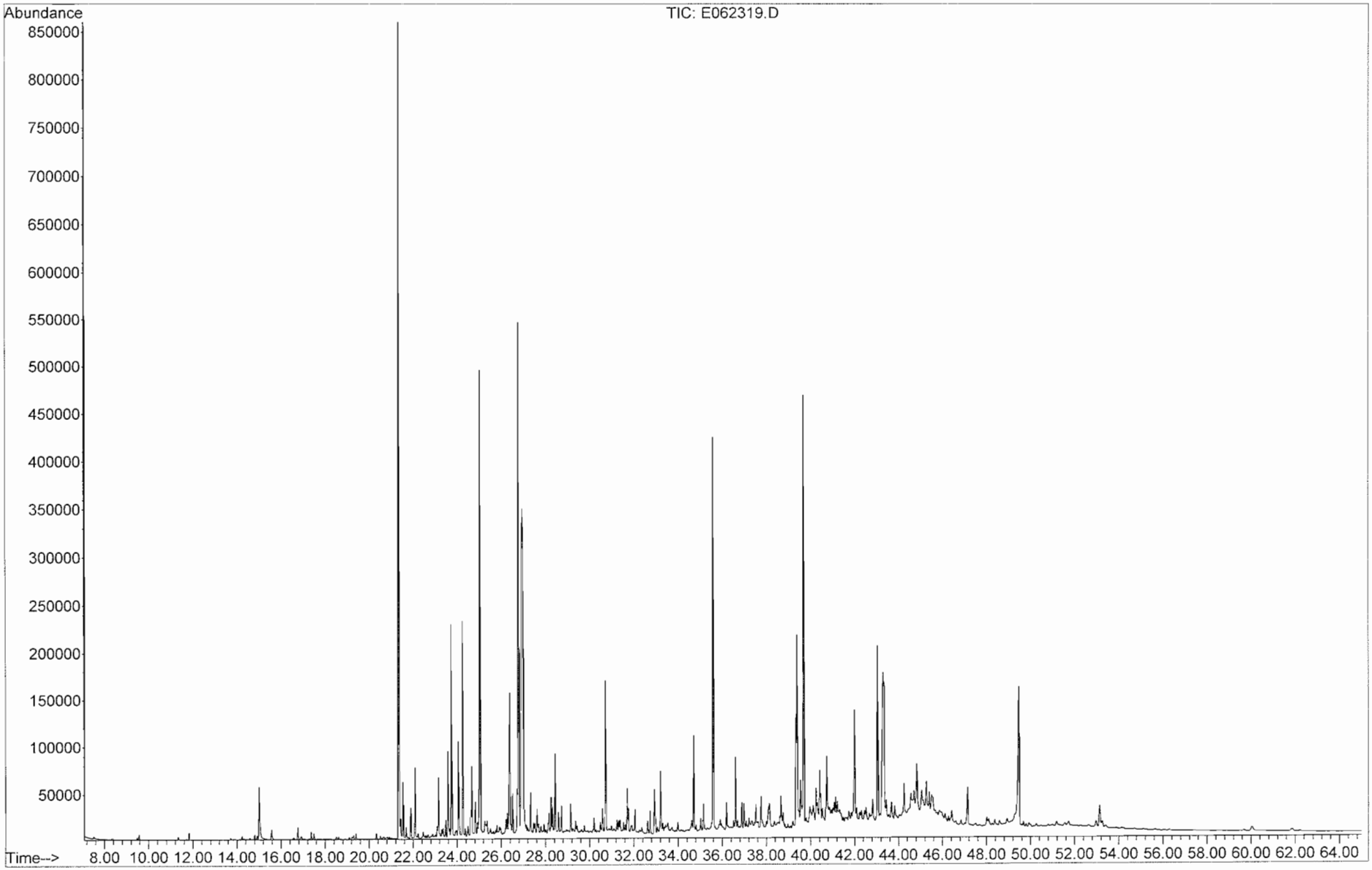
File: J:\1\DATA\E100623\E062319.D
Date Acquired: 24 Jun 2010 4:42 pm
Sample Name: BD100612-09-D1
Misc Info: NAPL E - 20X



META Environmental, Inc.

GC/MS TOTAL ION CHROMATOGRAM

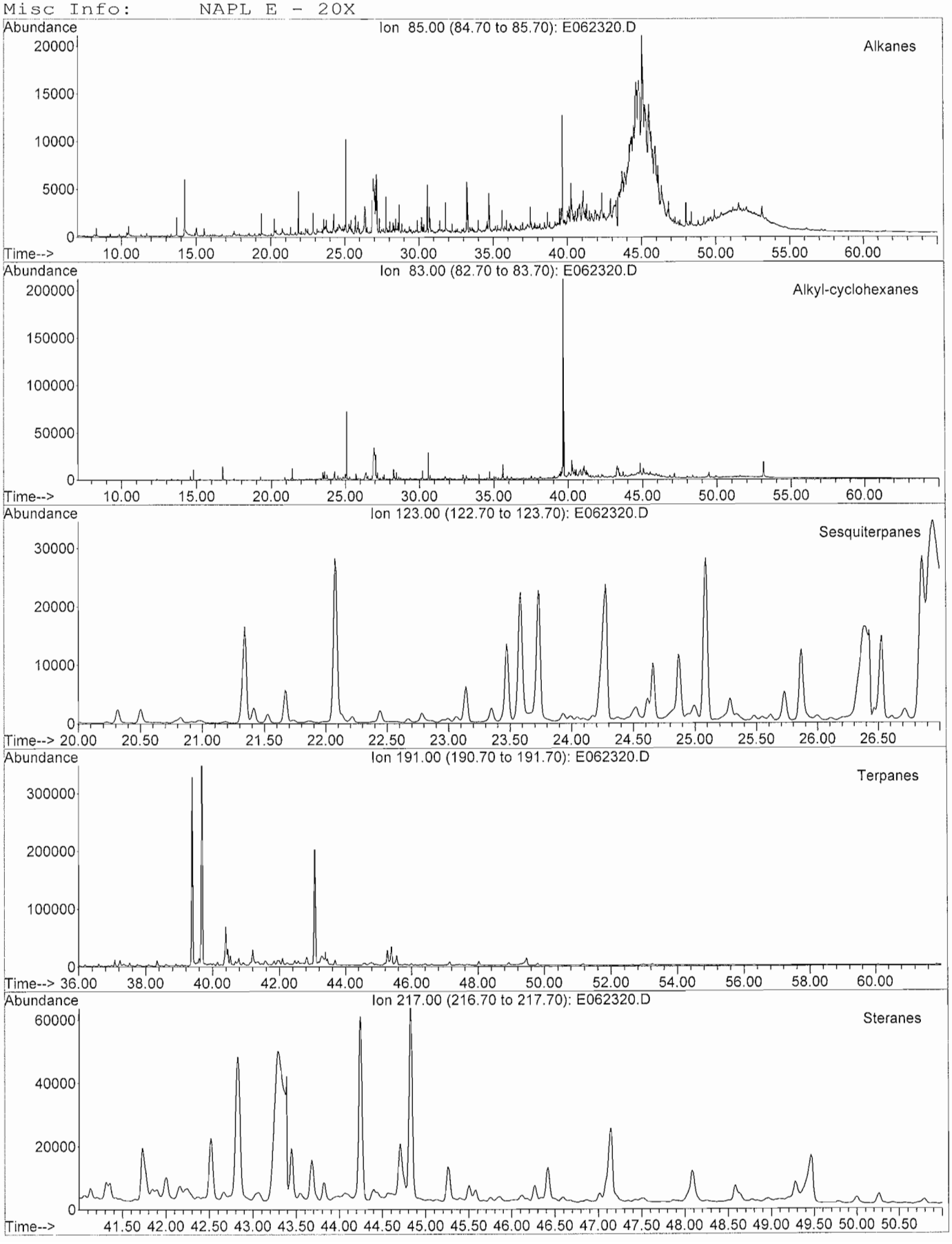
File: J:\1\DATA\E100623\E062319.D
Date Acquired: 24 Jun 2010 4:42 pm
Sample Name: BD100612-09-D1
Misc Info: NAPL E - 20X



META Environmental, Inc.

GC/MS EXTRACTED ION CHROMATOGRAM

File: J:\1\DATA\E100623\E062320.D
Date Acquired: 24 Jun 2010 6:09 pm
Sample Name: BD100612-09DUP-D1
Misc Info: NAPL E - 20X



META Environmental, Inc.

GC/MS EXTRACTED ION CHROMATOGRAM

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Date Acquired: 24 Jun 2010 6:09 pm
Sample Name: BD100612-09DUP-D1
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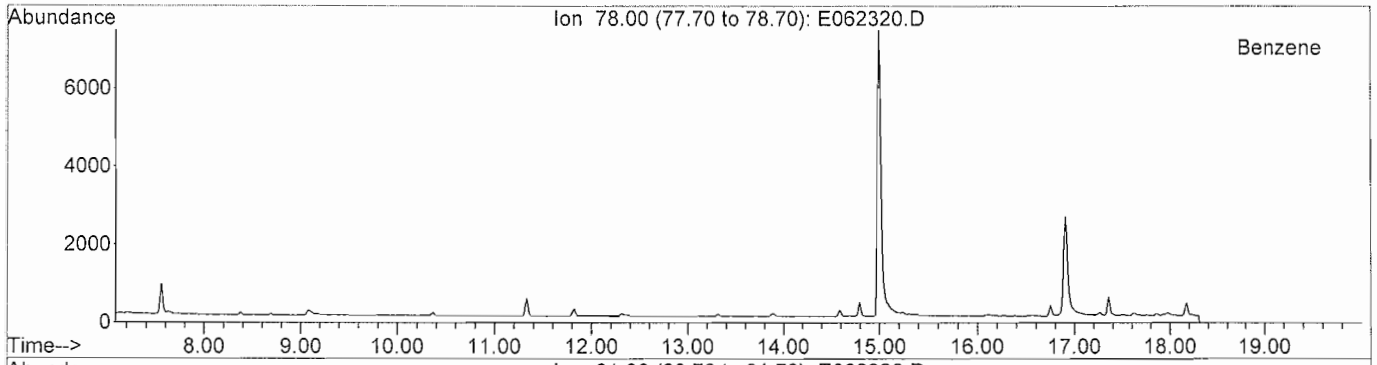
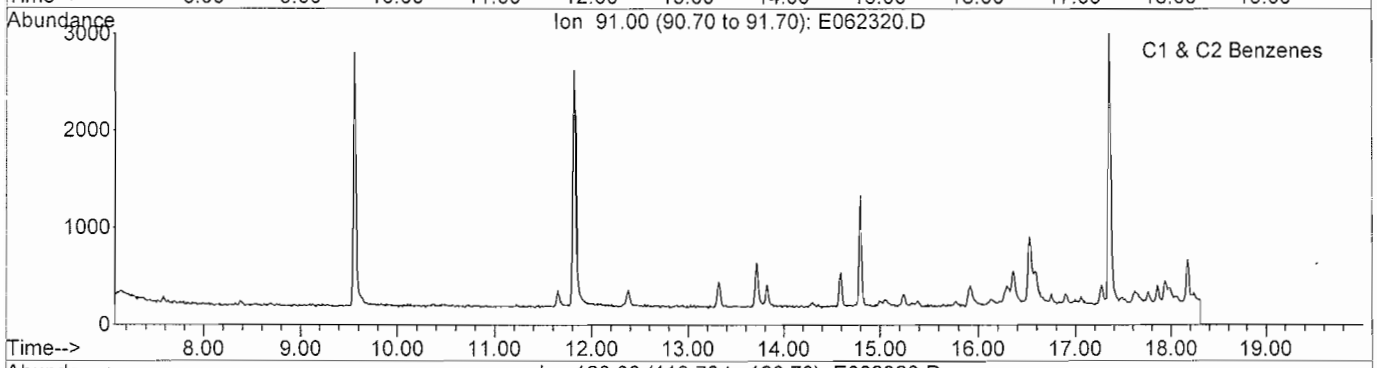
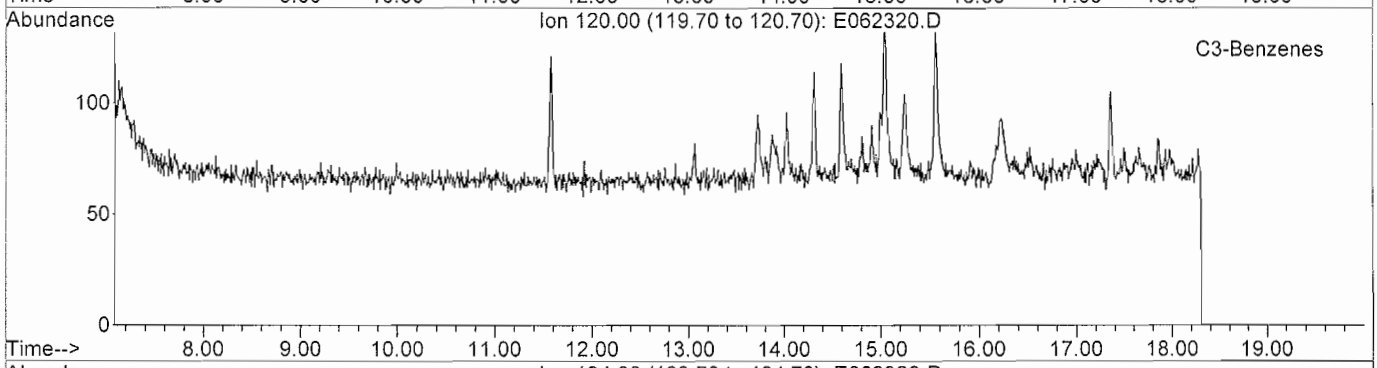
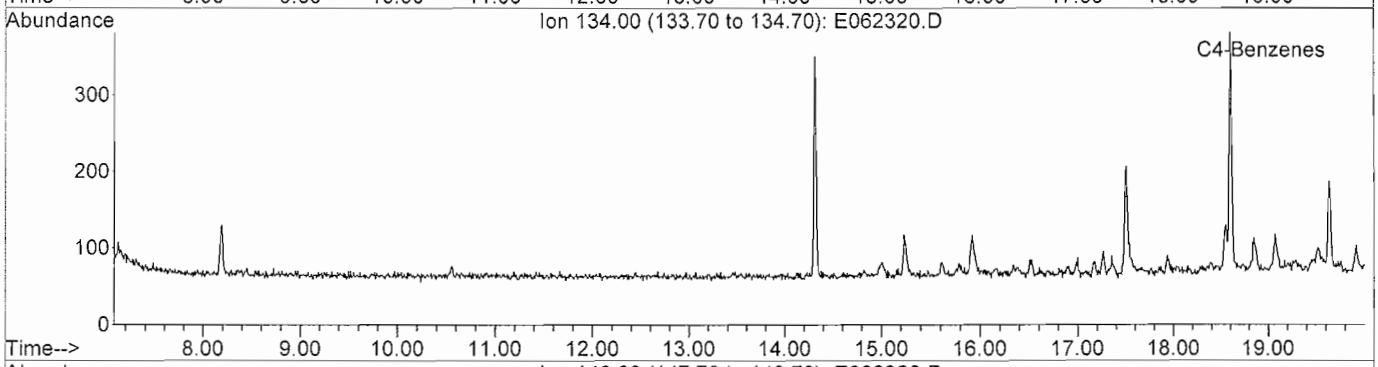
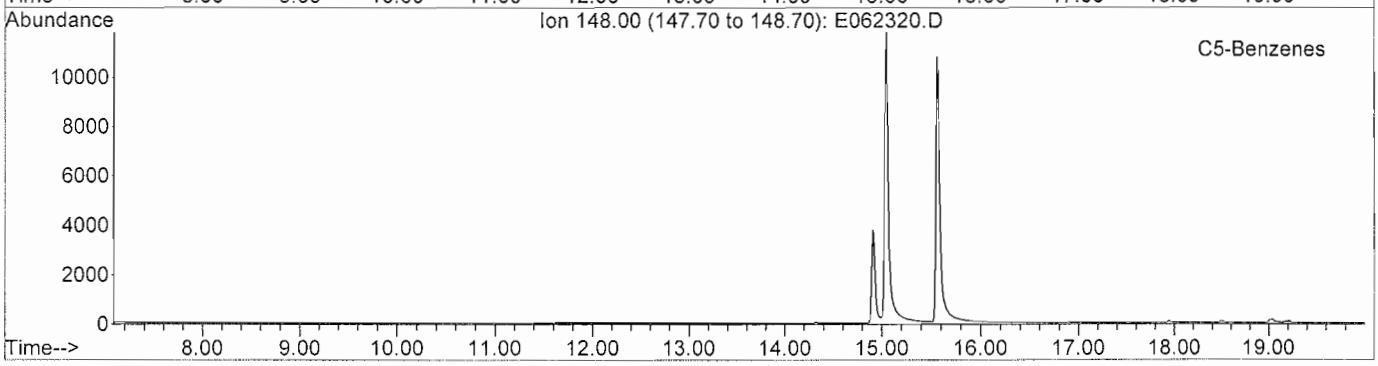






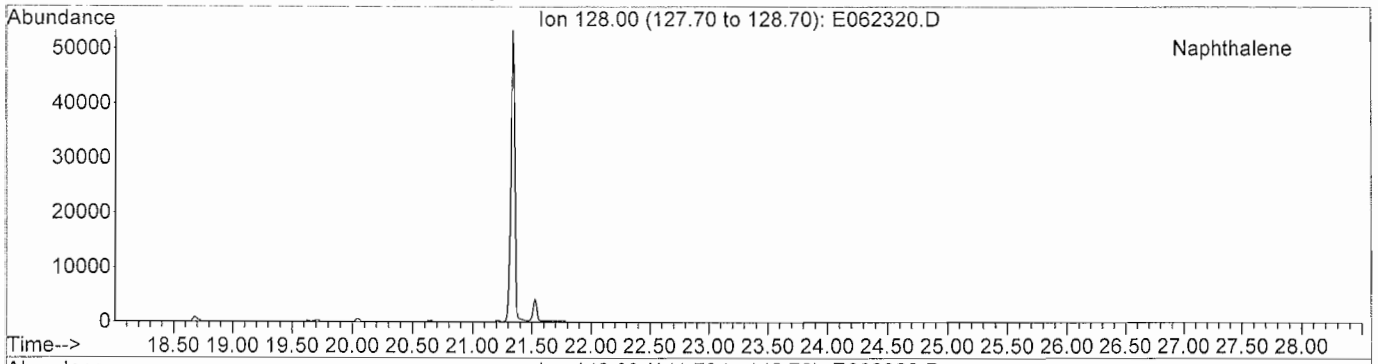


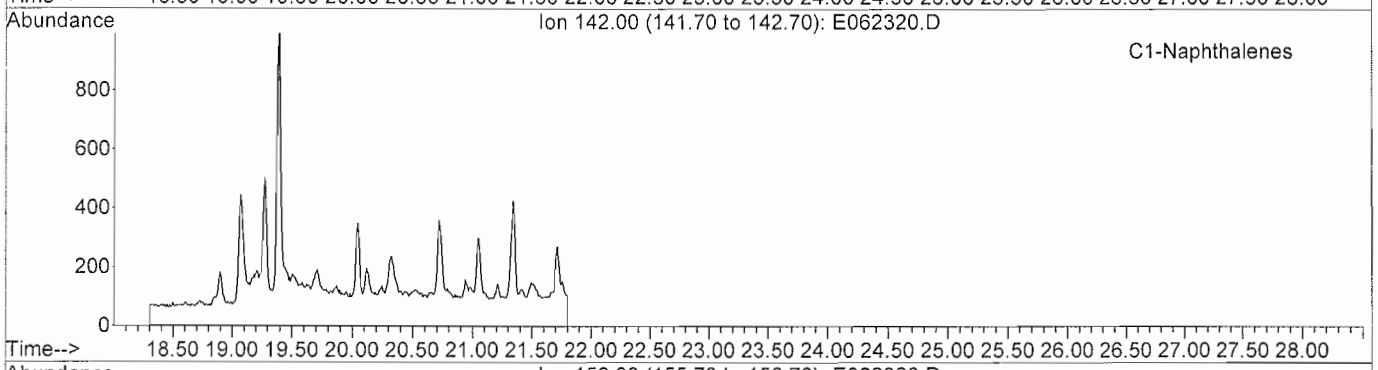


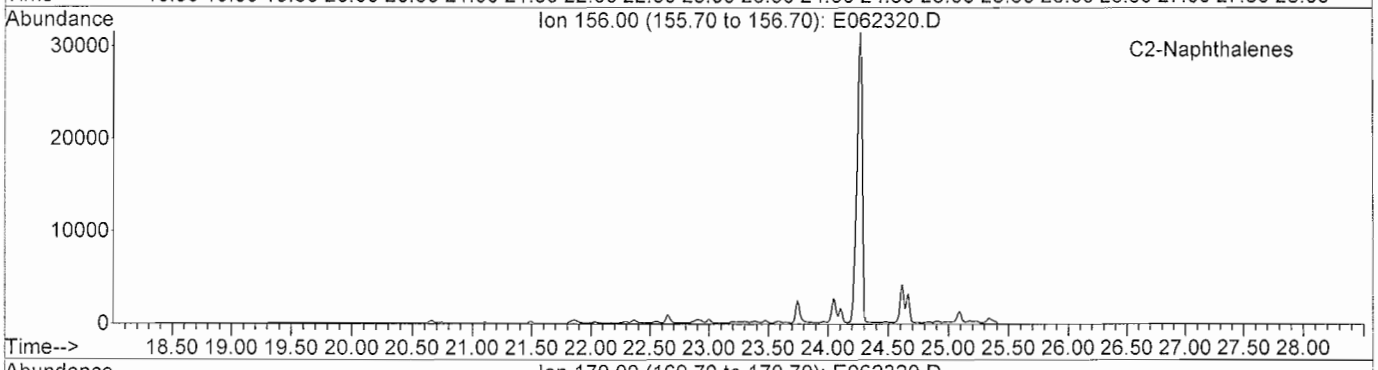
META Environmental, Inc.

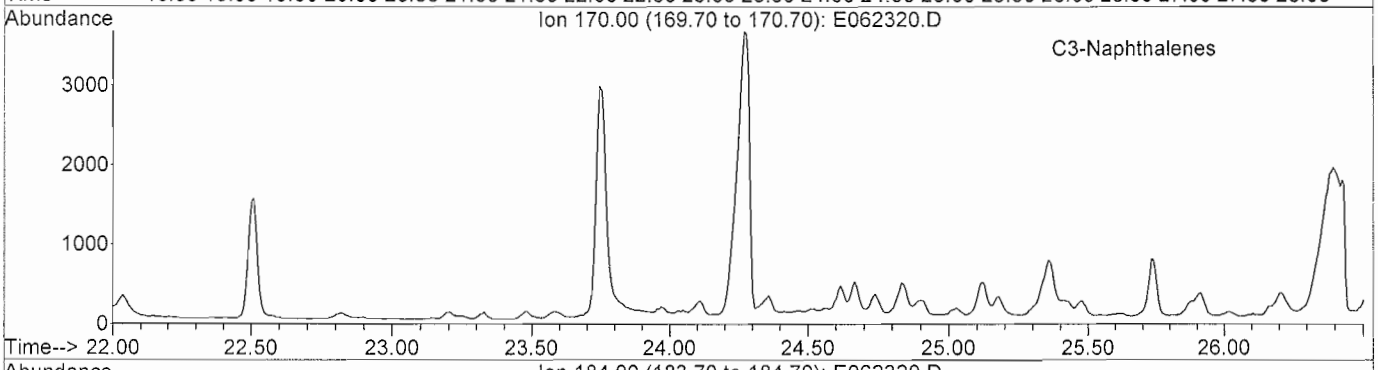
GC/MS EXTRACTED ION CHROMATOGRAM

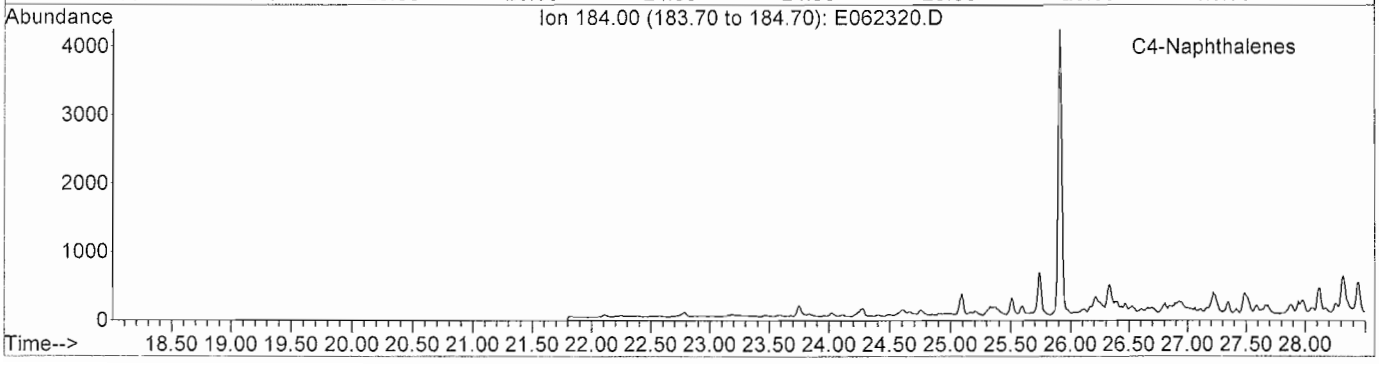
File: J:\1\DATA\E100623\E062320.D
Date Acquired: 24 Jun 2010 6:09 pm
Sample Name: BD100612-09DUP-D1
Misc Info: NAPL E - 20X







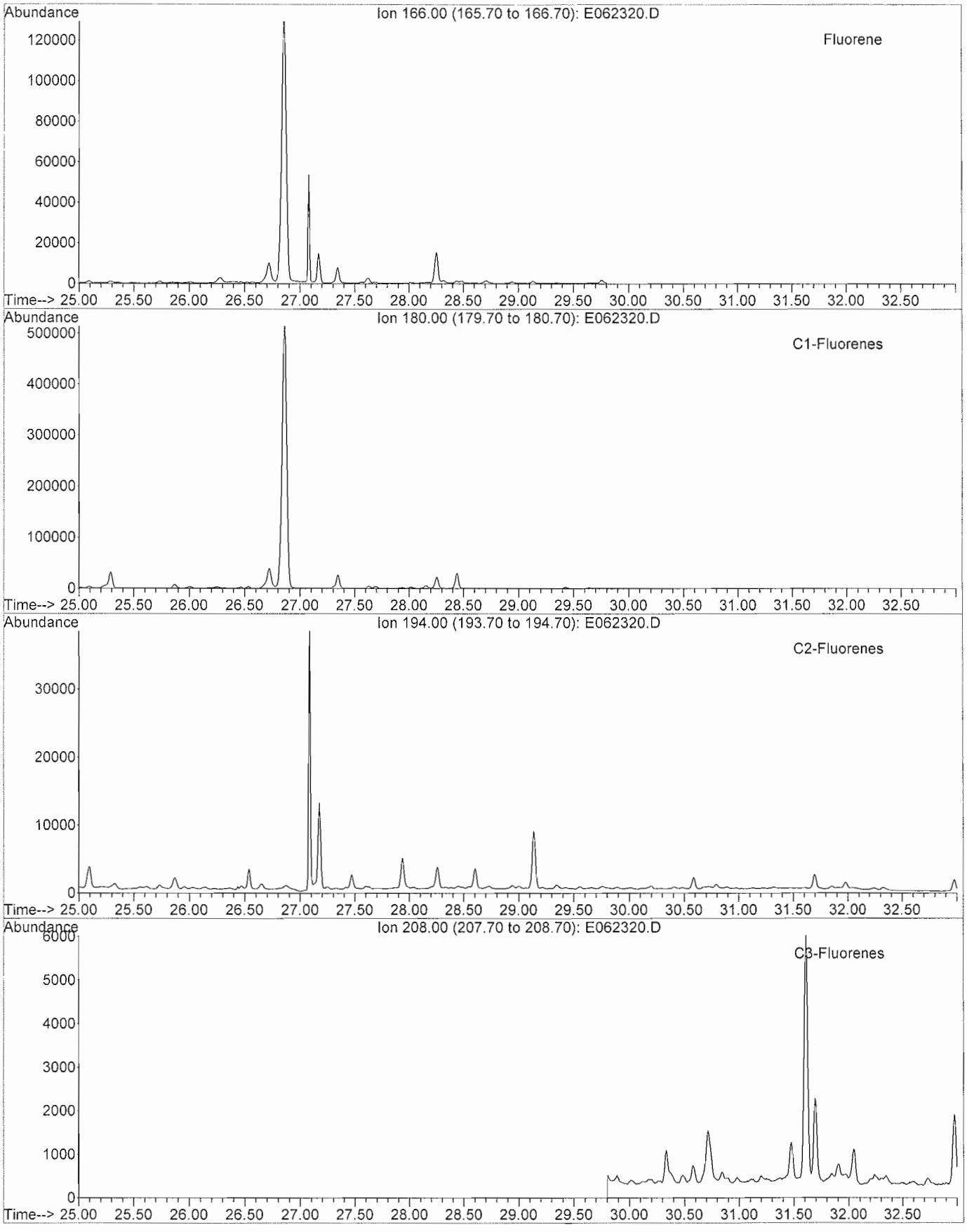




META Environmental, Inc.

GC/MS EXTRACTED ION CHROMATOGRAM

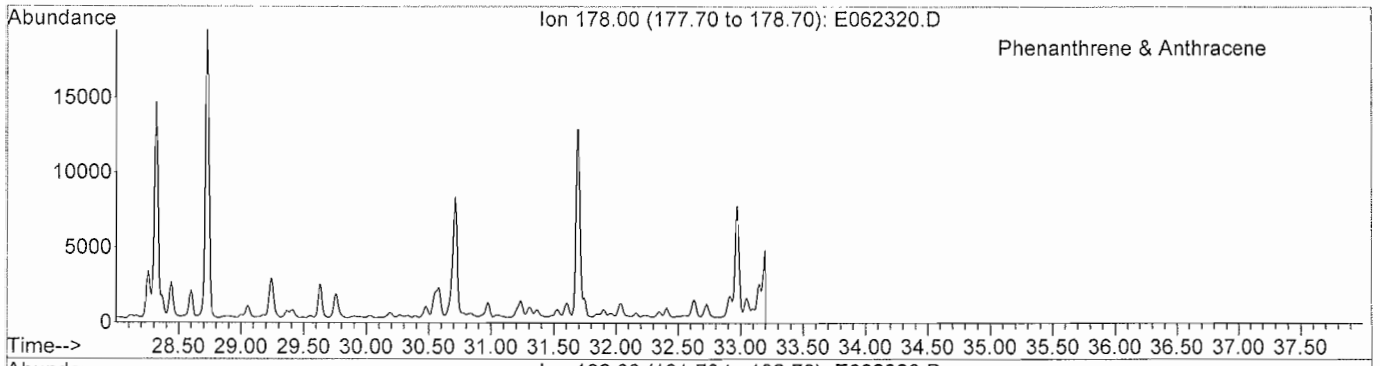
File: J:\1\DATA\E100623\E062320.D
Date Acquired: 24 Jun 2010 6:09 pm
Sample Name: BD100612-09DUP-D1
Misc Info: NAPL E - 20X

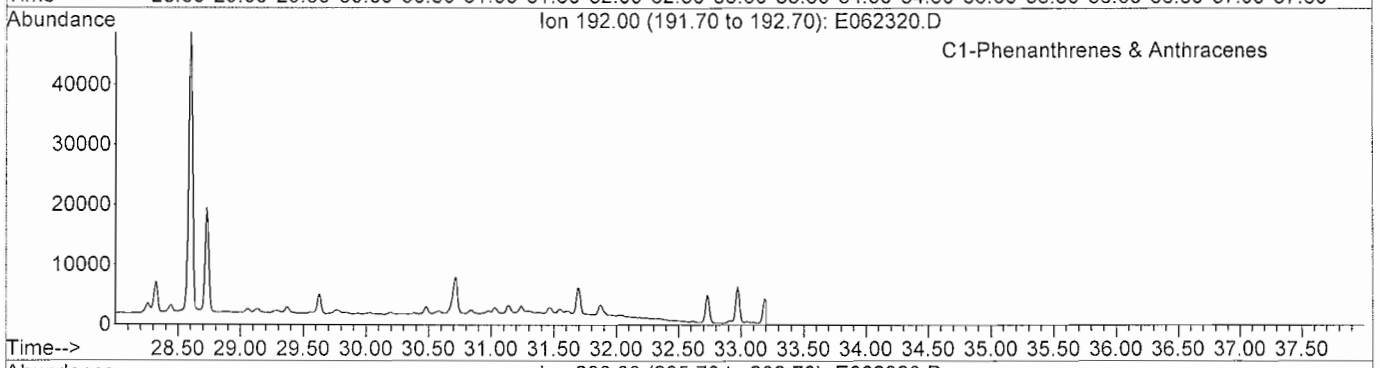


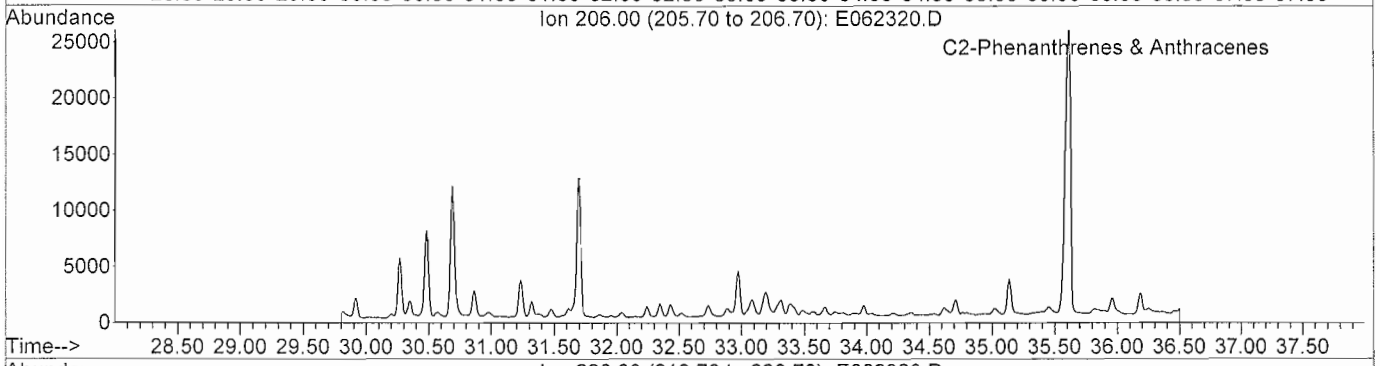
META Environmental, Inc.

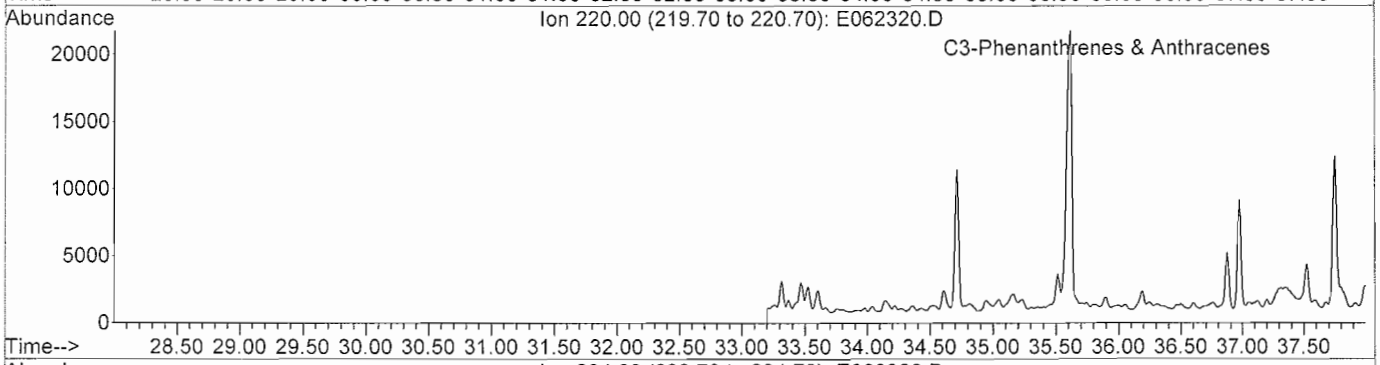
GC/MS EXTRACTED ION CHROMATOGRAM

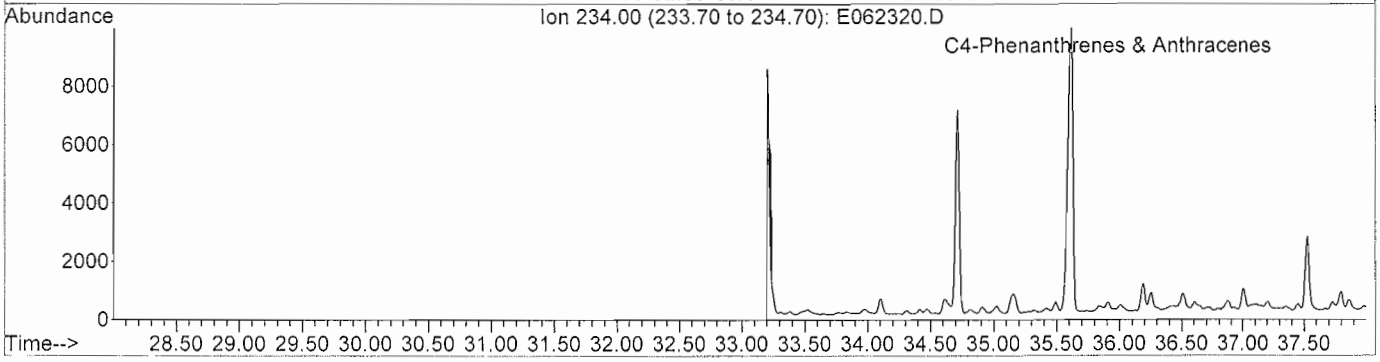
File: J:\1\DATA\E100623\E062320.D
Date Acquired: 24 Jun 2010 6:09 pm
Sample Name: BD100612-09DUP-D1
Misc Info: NAPL E - 20X











META Environmental, Inc.

GC/MS EXTRACTED ION CHROMATOGRAM

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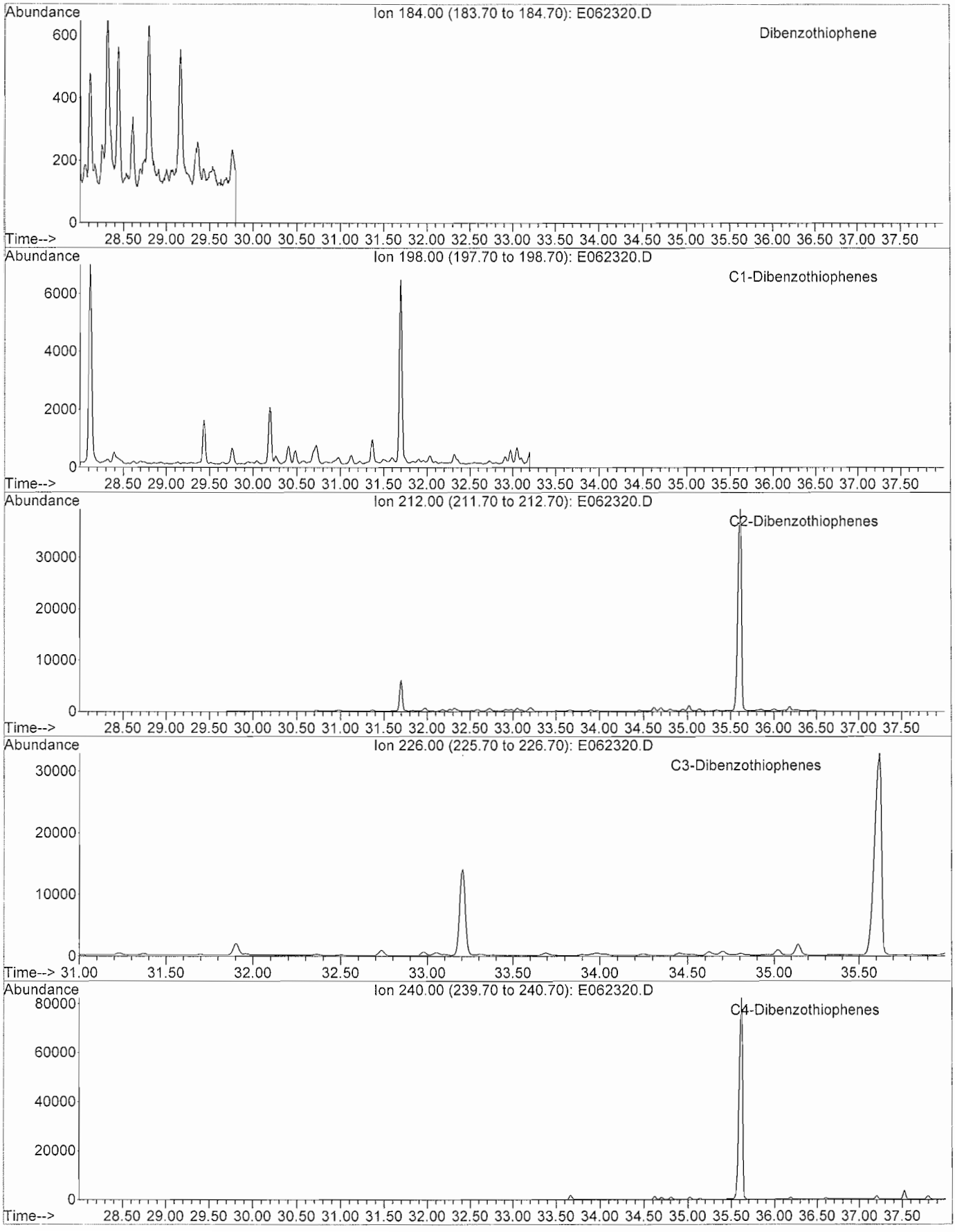
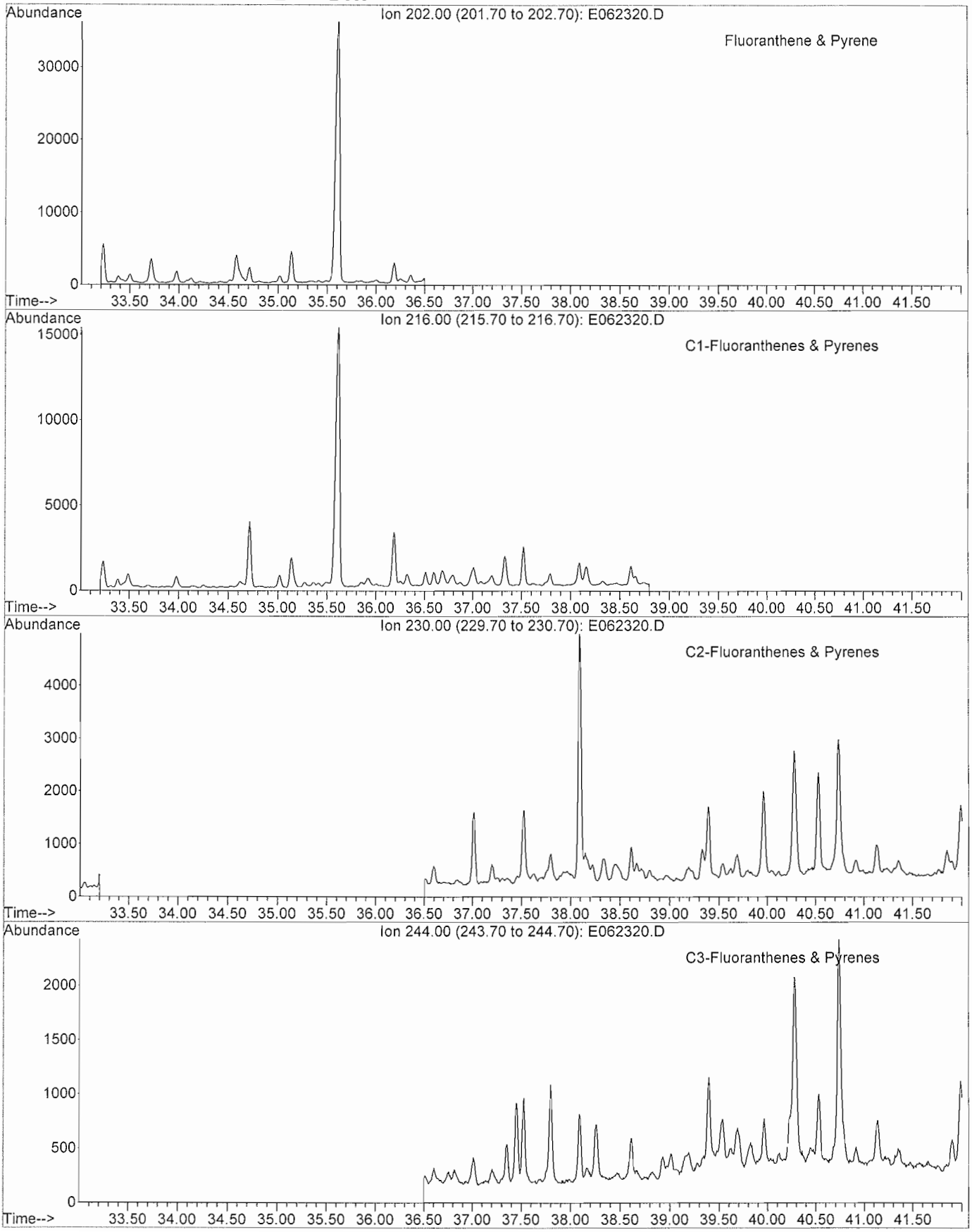
Date Acquired: 24 Jun 2010 6:09 pm
Sample Name: BD100612-09DUP-D1
Misc Info: NAPL E - 20X



META Environmental, Inc.

GC/MS EXTRACTED ION CHROMATOGRAM

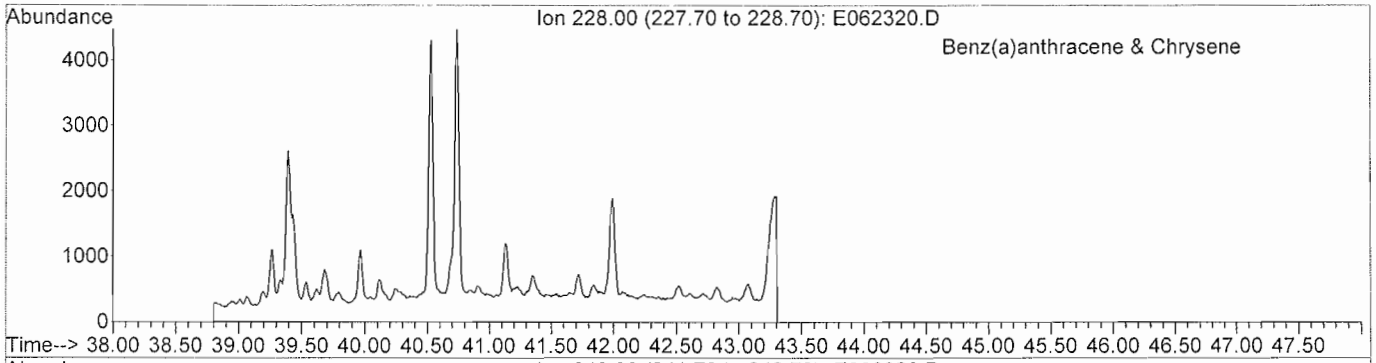
File: J:\1\DATA\E100623\E062320.D
Date Acquired: 24 Jun 2010 6:09 pm
Sample Name: BD100612-09DUP-D1
Misc Info: NAPL E - 20X

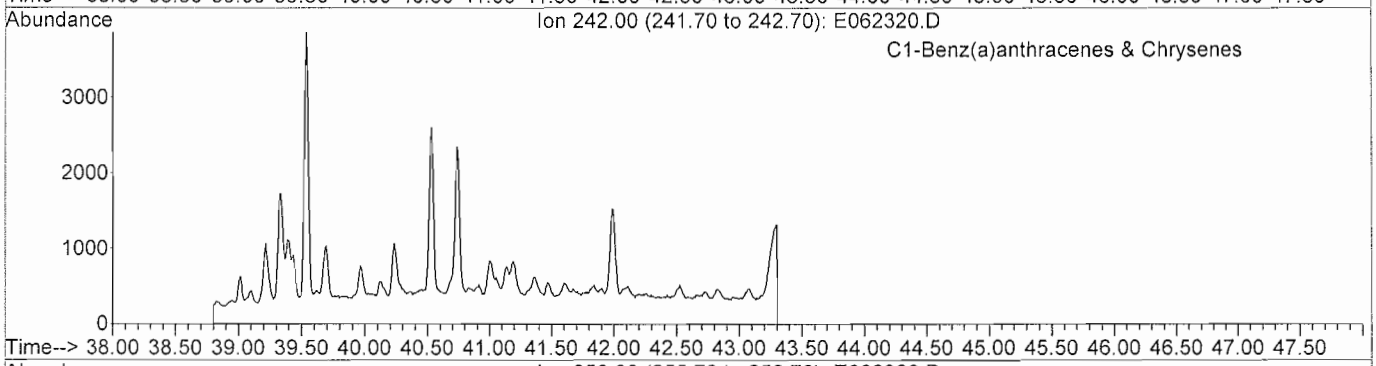


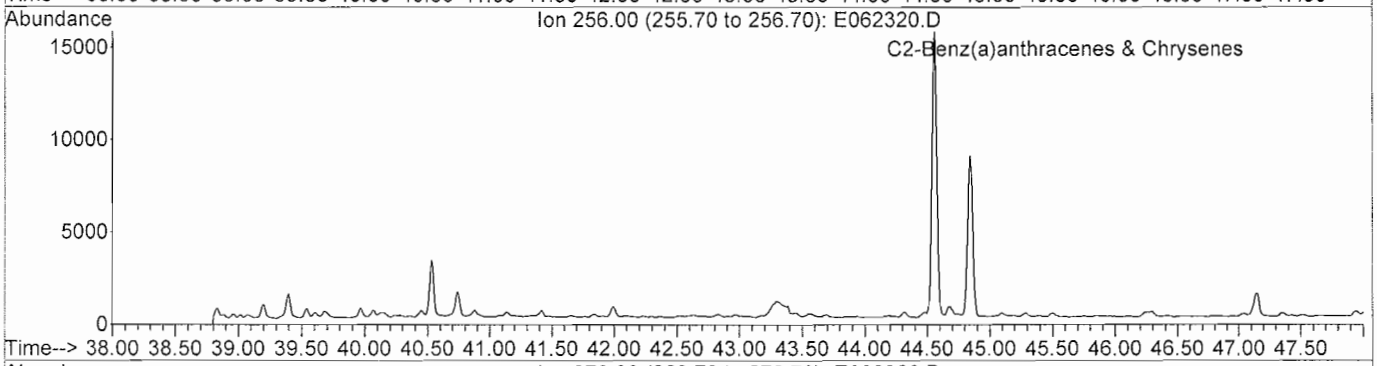
META Environmental, Inc.

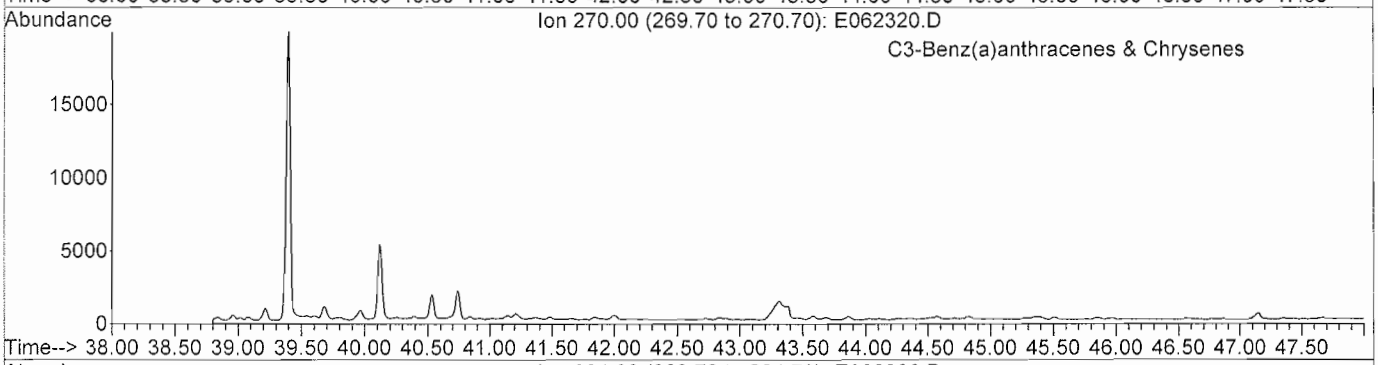
GC/MS EXTRACTED ION CHROMATOGRAM

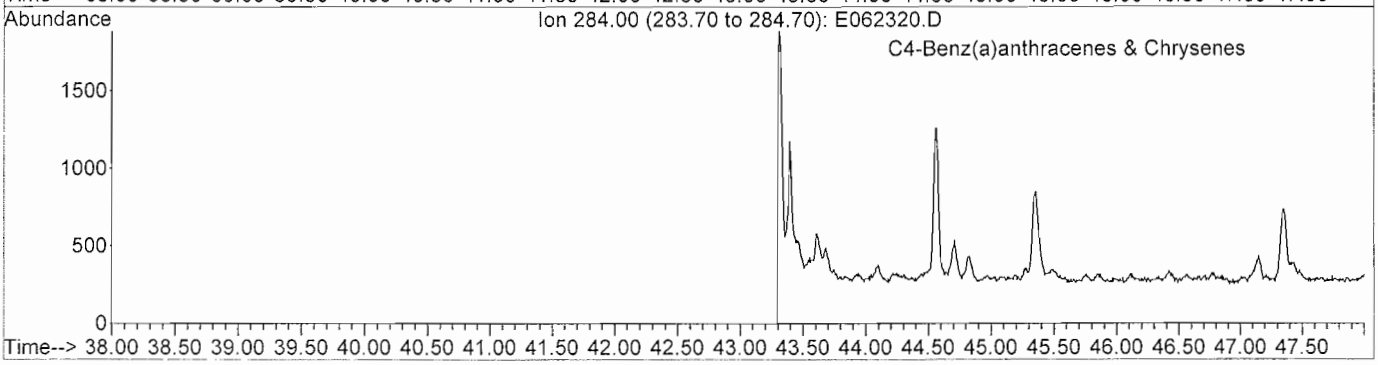
File: J:\1\DATA\E100623\E062320.D
Date Acquired: 24 Jun 2010 6:09 pm
Sample Name: BD100612-09DUP-D1
Misc Info: NAPL E - 20X







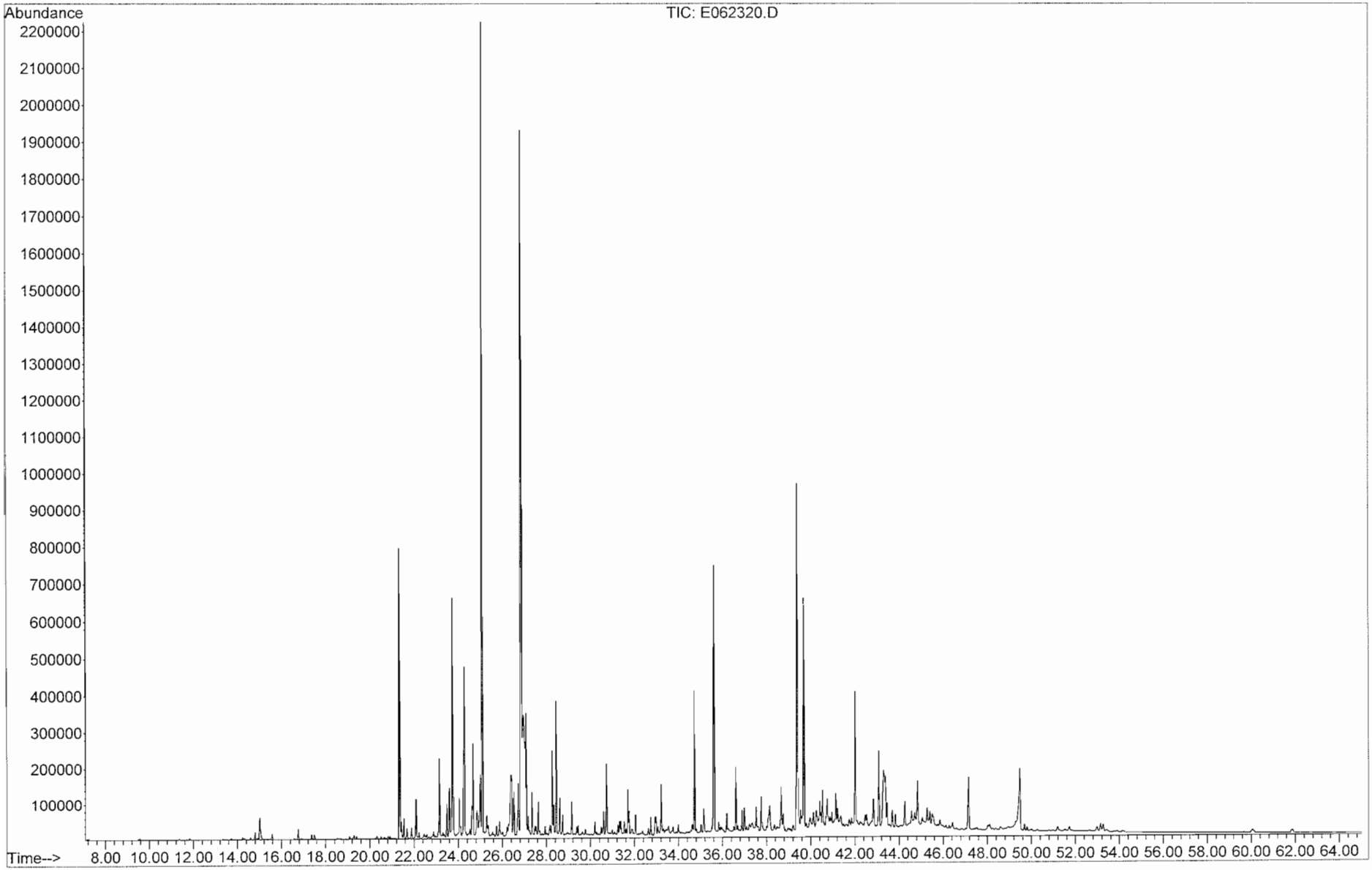




META Environmental, Inc.

GC/MS TOTAL ION CHROMATOGRAM

File: J:\1\DATA\E100623\E062320.D
Date Acquired: 24 Jun 2010 6:09 pm
Sample Name: BD100612-09DUP-D1
Misc Info: NAPL E - 20X



Appendix F

PCBs and PCTs

Analytical Results for Polychlorinated Biphenyls
META Environmental, Inc.

Field ID: NAPL B

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3580
Project:	EPEC Polymers Site	Cleanup Method(s):	EPA 3665/3660
		Analysis Method:	EPA 8082
Lab ID	BD100612-03-R-C		
File ID:	A072310.D	Matrix:	NAPL
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	7/23/2010	Sample Size (g):	1.01
Date Cleanup:	7/23/2010	Percent Solid:	100%
Date Analyzed:	7/23/2010	Extract Volume (µl):	10000
Instrument:	AMX	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100723-MB		

Analyte	Concentration (mg/kg)		RL	EDL	Comments
PCB AROCLORS					
Aroclor 1016		U	0.099	0.050	
Aroclor 1221		U	0.099	0.050	
Aroclor 1232		U	0.099	0.050	
Aroclor 1242		U	0.099	0.050	
Aroclor 1248	1.85		0.099	0.050	
Aroclor 1254	1.01		0.099	0.050	
Aroclor 1260		U	0.099	0.050	
Aroclor 1262		U	0.099	0.050	
Aroclor 1268		U	0.099	0.050	
PCT AROCLORS					
Aroclor 5060		U	0.099	0.050	
Aroclor 5442		U	0.099	0.050	
Aroclor 5460		U	0.099	0.050	

Extraction Surrogate Recoveries (%)		Limits
Tetrachloro-m-xylene	74	50 - 120
Decachlorobiphenyl	64	50 - 120

NA - Not applicable
B - Analyte detected in the Blank
J - Estimated value; detected between the RL and DL
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL

Analytical Results for Polychlorinated Biphenyls
META Environmental, Inc.

Field ID: NAPL F

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3580
Project:	EPEC Polymers Site	Cleanup Method(s):	EPA 3665/3660
		Analysis Method:	EPA 8082
Lab ID	BD100612-01-R-C		
File ID:	A072309.D	Matrix:	NAPL
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	7/23/2010	Sample Size (g):	1.10
Date Cleanup:	7/23/2010	Percent Solid:	100%
Date Analyzed:	7/23/2010	Extract Volume (µl):	10000
Instrument:	AMX	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100723-MB		

Analyte	Concentration (mg/kg)	RL	EDL	Comments
PCB AROCLORS				
Aroclor 1016	U	0.091	0.046	
Aroclor 1221	U	0.091	0.046	
Aroclor 1232	U	0.091	0.046	
Aroclor 1242	U	0.091	0.046	
Aroclor 1248	0.678	0.091	0.046	
Aroclor 1254	U	0.091	0.046	
Aroclor 1260	U	0.091	0.046	
Aroclor 1262	U	0.091	0.046	
Aroclor 1268	U	0.091	0.046	
PCT AROCLORS				
Aroclor 5060	U	0.091	0.046	
Aroclor 5442	U	0.091	0.046	
Aroclor 5460	U	0.091	0.046	

Extraction Surrogate Recoveries (%)		Limits
Tetrachloro-m-xylene	72	50 - 120
Decachlorobiphenyl	66	50 - 120

NA - Not applicable
B - Analyte detected in the Blank
J - Estimated value; detected between the RL and DL
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL

Analytical Results for Polychlorinated Biphenyls
META Environmental, Inc.

Field ID: NAPL C

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3580
Project:	EPEC Polymers Site	Cleanup Method(s):	EPA 3665/3660
		Analysis Method:	EPA 8082
Lab ID	BD100612-05-R-C		
File ID:	A072312.D	Matrix:	NAPL
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	7/23/2010	Sample Size (g):	1.11
Date Cleanup:	7/23/2010	Percent Solid:	100%
Date Analyzed:	7/23/2010	Extract Volume (µl):	10000
Instrument:	AMX	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100723-MB		

Analyte	Concentration (mg/kg)	RL	EDL	Comments
PCB AROCLORS				
Aroclor 1016	U	0.090	0.045	
Aroclor 1221	U	0.090	0.045	
Aroclor 1232	U	0.090	0.045	
Aroclor 1242	U	0.090	0.045	
Aroclor 1248	2.57	0.090	0.045	
Aroclor 1254	4.12	0.090	0.045	
Aroclor 1260	U	0.090	0.045	
Aroclor 1262	U	0.090	0.045	
Aroclor 1268	U	0.090	0.045	
PCT AROCLORS				
Aroclor 5060	U	0.090	0.045	
Aroclor 5442	U	0.090	0.045	
Aroclor 5460	U	0.090	0.045	

Extraction Surrogate Recoveries (%)		Limits
Tetrachloro-m-xylene	86	50 - 120
Decachlorobiphenyl	61	50 - 120

NA - Not applicable
B - Analyte detected in the Blank
J - Estimated value; detected between the RL and DL
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL

Analytical Results for Polychlorinated Biphenyls
META Environmental, Inc.

Field ID: NAPL D

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3580
Project:	EPEC Polymers Site	Cleanup Method(s):	EPA 3665/3660
		Analysis Method:	EPA 8082
Lab ID	BD100612-07-R-C		
File ID:	A072313.D	Matrix:	NAPL
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	7/23/2010	Sample Size (g):	1.00
Date Cleanup:	7/23/2010	Percent Solid:	100%
Date Analyzed:	7/23/2010	Extract Volume (µl):	10000
Instrument:	AMX	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100723-MB		

Analyte	Concentration (mg/kg)		RL	EDL	Comments
PCB AROCLORS					
Aroclor 1016		U	0.100	0.050	
Aroclor 1221		U	0.100	0.050	
Aroclor 1232		U	0.100	0.050	
Aroclor 1242		U	0.100	0.050	
Aroclor 1248	13.2	E	0.100	0.050	
Aroclor 1254	8.72		0.100	0.050	
Aroclor 1260		U	0.100	0.050	
Aroclor 1262		U	0.100	0.050	
Aroclor 1268		U	0.100	0.050	
PCT AROCLORS					
Aroclor 5060		U	0.100	0.050	
Aroclor 5442		U	0.100	0.050	
Aroclor 5460		U	0.100	0.050	

Extraction Surrogate Recoveries (%)		Limits
Tetrachloro-m-xylene	92	50 - 120
Decachlorobiphenyl	67	50 - 120

NA - Not applicable
B - Analyte detected in the Blank
J - Estimated value; detected between the RL and DL
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL

Analytical Results for Polychlorinated Biphenyls
META Environmental, Inc.

Field ID: DUP 061110

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3580
Project:	EPEC Polymers Site	Cleanup Method(s):	EPA 3665/3660
		Analysis Method:	EPA 8082
Lab ID	BD100612-11-R-C		
File ID:	A072314.D	Matrix:	NAPL
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	7/23/2010	Sample Size (g):	1.10
Date Cleanup:	7/23/2010	Percent Solid:	100%
Date Analyzed:	7/23/2010	Extract Volume (µl):	10000
Instrument:	AMX	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100723-MB		

Analyte	Concentration (mg/kg)		RL	EDL	Comments
PCB AROCLORS					
Aroclor 1016		U	0.091	0.046	
Aroclor 1221		U	0.091	0.046	
Aroclor 1232		U	0.091	0.046	
Aroclor 1242		U	0.091	0.046	
Aroclor 1248	1.56		0.091	0.046	
Aroclor 1254	1.05		0.091	0.046	
Aroclor 1260		U	0.091	0.046	
Aroclor 1262		U	0.091	0.046	
Aroclor 1268		U	0.091	0.046	
PCT AROCLORS					
Aroclor 5060		U	0.091	0.046	
Aroclor 5442		U	0.091	0.046	
Aroclor 5460		U	0.091	0.046	

Extraction Surrogate Recoveries (%)		Limits
Tetrachloro-m-xylene	71	50 - 120
Decachlorobiphenyl	56	50 - 120

NA - Not applicable
B - Analyte detected in the Blank
J - Estimated value; detected between the RL and DL
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL

Analytical Results for Polychlorinated Biphenyls
META Environmental, Inc.

Field ID: Method Blank

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3580
Project:	EPEC Polymers Site	Cleanup Method(s):	EPA 3665/3660
		Analysis Method:	EPA 8082
Lab ID	QC100723-MB		
File ID:	A072307.D	Matrix:	NAPL
		Preservation:	None
Date Sampled:	NA	Decanted:	None
Date Received:	NA		
Date Prepared:	7/23/2010	Sample Size (g):	1.00
Date Cleanup:	7/23/2010	Percent Solid:	100%
Date Analyzed:	7/23/2010	Extract Volume (µl):	10000
Instrument:	AMX	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100723-MB		

Analyte	Concentration (mg/kg)	RL	EDL	Comments
PCB AROCLORS				
Aroclor 1016	U	0.100	0.050	
Aroclor 1221	U	0.100	0.050	
Aroclor 1232	U	0.100	0.050	
Aroclor 1242	U	0.100	0.050	
Aroclor 1248	U	0.100	0.050	
Aroclor 1254	U	0.100	0.050	
Aroclor 1260	U	0.100	0.050	
Aroclor 1262	U	0.100	0.050	
Aroclor 1268	U	0.100	0.050	
PCT AROCLORS				
Aroclor 5060	U	0.100	0.050	
Aroclor 5442	U	0.100	0.050	
Aroclor 5460	U	0.100	0.050	

Extraction Surrogate Recoveries (%)		Limits
Tetrachloro-m-xylene	91	50 - 120
Decachlorobiphenyl	77	50 - 120

NA - Not applicable
B - Analyte detected in the Blank
J - Estimated value; detected between the RL and DL
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL

Analytical Results for Polychlorinated Biphenyls
META Environmental, Inc.

Field ID: Method Blank Spike

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3580
Project:	EPEC Polymers Site	Cleanup Method(s):	EPA 3665/3660
		Analysis Method:	EPA 8082
Lab ID	QC100723-MBS		
File ID:	A072308.D	Matrix:	NAPL
		Preservation:	None
Date Sampled:	NA	Decanted:	None
Date Received:	NA		
Date Prepared:	7/23/2010	Sample Size (g):	1.00
Date Cleanup:	7/23/2010	Percent Solid:	100%
Date Analyzed:	7/23/2010	Extract Volume (µl):	10000
Instrument:	AMX	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100723-MB		

Analyte	Concentration (mg/kg)		RL	EDL	Comments
PCB AROCLORS	Spike Amount				% Recovery
Aroclor 1016	10.0	7.44	0.100	0.050	74
Aroclor 1221		U	0.100	0.050	
Aroclor 1232		U	0.100	0.050	
Aroclor 1242		U	0.100	0.050	
Aroclor 1248		U	0.100	0.050	
Aroclor 1254		U	0.100	0.050	
Aroclor 1260	10.0	7.2	0.100	0.050	72
Aroclor 1262		U	0.100	0.050	
Aroclor 1268		U	0.100	0.050	
PCT AROCLORS					
Aroclor 5060		U	0.100	0.050	
Aroclor 5442		U	0.100	0.050	
Aroclor 5460		U	0.100	0.050	

Extraction Surrogate Recoveries (%)		Limits
Tetrachloro-m-xylene	93	50 - 120
Decachlorobiphenyl	78	50 - 120

NA - Not applicable
B - Analyte detected in the Blank
J - Estimated value; detected between the RL and DL
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL

Analytical Results for Polychlorinated Biphenyls
META Environmental, Inc.

Field ID: Duplicate of NAPL B

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3580
Project:	EPEC Polymers Site	Cleanup Method(s):	EPA 3665/3660
		Analysis Method:	EPA 8082
Lab ID	BD100612-03DUP-R-C		
File ID:	A072311.D	Matrix:	NAPL
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	7/23/2010	Sample Size (g):	1.10
Date Cleanup:	7/23/2010	Percent Solid:	100%
Date Analyzed:	7/23/2010	Extract Volume (µl):	10000
Instrument:	AMX	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100723-MB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
PCB AROCLORS					RPD
Aroclor 1016		U	0.091	0.046	NA
Aroclor 1221		U	0.091	0.046	NA
Aroclor 1232		U	0.091	0.046	NA
Aroclor 1242		U	0.091	0.046	NA
Aroclor 1248	2.14		0.091	0.046	14.5
Aroclor 1254	1.22		0.091	0.046	18.8
Aroclor 1260		U	0.091	0.046	NA
Aroclor 1262		U	0.091	0.046	NA
Aroclor 1268		U	0.091	0.046	NA
PCT AROCLORS					
Aroclor 5060		U	0.091	0.046	NA
Aroclor 5442		U	0.091	0.046	NA
Aroclor 5460		U	0.091	0.046	NA

Extraction Surrogate Recoveries (%)		Limits
Tetrachloro-m-xylene	77	50 - 120
Decachlorobiphenyl	58	50 - 120

NA - Not applicable
B - Analyte detected in the Blank
J - Estimated value; detected between the RL and DL
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL

Analytical Results for Polychlorinated Biphenyls
META Environmental, Inc.

Field ID: NAPL F

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3580
Project:	EPEC Polymers Site	Cleanup Method(s):	EPA 3665/3660
		Analysis Method:	EPA 8082
Lab ID	BD100612-01-H		
File ID:	A062544.D	Matrix:	NAPL
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/17/2010	Sample Size (g):	0.0249
Date Cleanup:	6/17/2010	Percent Solid:	100%
Date Analyzed:	6/26/2010	Extract Volume (µl):	10000
Instrument:	AMX	Prep DF:	1
Operator:	JAR	Analysis DF:	1
		Injection Volume (µl):	1.00
Batch QC:	QC100617-MB-H		

Analyte	Concentration (mg/kg)		RL	EDL	Comments
PCB AROCLORS					
Aroclor 1016		U	4.02	2.01	
Aroclor 1221		U	4.02	2.01	
Aroclor 1232		U	4.02	2.01	
Aroclor 1242		U	4.02	2.01	
Aroclor 1248		U	4.02	2.01	
Aroclor 1254		U	4.02	2.01	
Aroclor 1260		U	4.02	2.01	
Aroclor 1262		U	4.02	2.01	
Aroclor 1268		U	4.02	2.01	
PCT AROCLORS					
Aroclor 5060		U	4.02	2.01	
Aroclor 5442		U	4.02	2.01	
Aroclor 5460		U	4.02	2.01	

Extraction Surrogate Recoveries (%)		Limits
Tetrachloro-m-xylene	106	50 - 120
Decachlorobiphenyl	94	50 - 120

NA - Not applicable
B - Analyte detected in the Blank
J - Estimated value; detected between the RL and DL
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL

Analytical Results for Polychlorinated Biphenyls
META Environmental, Inc.

Field ID: NAPL F SO-1

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	EPA 3665/3660
		Analysis Method:	EPA 8082
Lab ID	BD100612-02-H		
File ID:	A062553.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/16/2010	Sample Size (g):	4.16
Date Cleanup:	6/22/2010	Percent Solid:	82.8%
Date Analyzed:	6/27/2010	Extract Volume (µl):	2000
Instrument:	AMX	Prep DF:	1
Operator:	JAR	Analysis DF:	1
		Injection Volume (µl):	1.00
Batch QC:	QC100616-SB-H		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
PCB AROCLORS					
Aroclor 1016		U	0.006	0.003	
Aroclor 1221		U	0.006	0.003	
Aroclor 1232		U	0.006	0.003	
Aroclor 1242		U	0.006	0.003	
Aroclor 1248		U	0.006	0.003	
Aroclor 1254		U	0.006	0.003	
Aroclor 1260		U	0.006	0.003	
Aroclor 1262		U	0.006	0.003	
Aroclor 1268		U	0.006	0.003	
PCT AROCLORS					
Aroclor 5060		U	0.006	0.003	
Aroclor 5442		U	0.006	0.003	
Aroclor 5460		U	0.006	0.003	

Extraction Surrogate Recoveries (%)		Limits
Tetrachloro-m-xylene	63	50 - 120
Decachlorobiphenyl	67	50 - 120

NA - Not applicable
B - Analyte detected in the Blank
J - Estimated value; detected between the RL and DL
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL

Analytical Results for Polychlorinated Biphenyls
META Environmental, Inc.

Field ID: NAPL B

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3580
Project:	EPEC Polymers Site	Cleanup Method(s):	EPA 3665/3660
		Analysis Method:	EPA 8082
Lab ID	BD100612-03-H		
File ID:	A062545.D	Matrix:	NAPL
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/17/2010	Sample Size (g):	0.0247
Date Cleanup:	6/17/2010	Percent Solid:	100%
Date Analyzed:	6/26/2010	Extract Volume (µl):	10000
Instrument:	AMX	Prep DF:	1
Operator:	JAR	Analysis DF:	1
		Injection Volume (µl):	1.00
Batch QC:	QC100617-MB-H		

Analyte	Concentration (mg/kg)	RL	EDL	Comments
PCB AROCLORS				
Aroclor 1016	U	4.05	2.02	
Aroclor 1221	U	4.05	2.02	
Aroclor 1232	U	4.05	2.02	
Aroclor 1242	U	4.05	2.02	
Aroclor 1248	U	4.05	2.02	
Aroclor 1254	U	4.05	2.02	
Aroclor 1260	U	4.05	2.02	
Aroclor 1262	U	4.05	2.02	
Aroclor 1268	U	4.05	2.02	
PCT AROCLORS				
Aroclor 5060	U	4.05	2.02	
Aroclor 5442	U	4.05	2.02	
Aroclor 5460	U	4.05	2.02	

Extraction Surrogate Recoveries (%)		Limits
Tetrachloro-m-xylene	108	50 - 120
Decachlorobiphenyl	96	50 - 120

NA - Not applicable
B - Analyte detected in the Blank
J - Estimated value; detected between the RL and DL
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL

Analytical Results for Polychlorinated Biphenyls
META Environmental, Inc.

Field ID: NAPL B SO-1

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	EPA 3665/3660
		Analysis Method:	EPA 8082
Lab ID	BD100612-04-H		
File ID:	A062555.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/16/2010	Sample Size (g):	4.24
Date Cleanup:	6/22/2010	Percent Solid:	68.1%
Date Analyzed:	6/27/2010	Extract Volume (µl):	2000
Instrument:	AMX	Prep DF:	1
Operator:	JAR	Analysis DF:	1
		Injection Volume (µl):	1.00
Batch QC:	QC100616-SB-H		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
PCB AROCLORS					
Aroclor 1016		U	0.007	0.003	
Aroclor 1221		U	0.007	0.003	
Aroclor 1232		U	0.007	0.003	
Aroclor 1242		U	0.007	0.003	
Aroclor 1248		U	0.007	0.003	
Aroclor 1254		U	0.007	0.003	
Aroclor 1260		U	0.007	0.003	
Aroclor 1262		U	0.007	0.003	
Aroclor 1268		U	0.007	0.003	
PCT AROCLORS					
Aroclor 5060		U	0.007	0.003	
Aroclor 5442		U	0.007	0.003	
Aroclor 5460		U	0.007	0.003	

Extraction Surrogate Recoveries (%)			Limits
Tetrachloro-m-xylene	58		50 - 120
Decachlorobiphenyl	57	I	50 - 120

NA - Not applicable
B - Analyte detected in the Blank
J - Estimated value; detected between the RL and DL
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL

Analytical Results for Polychlorinated Biphenyls
META Environmental, Inc.

Field ID: NAPL C

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3580
Project:	EPEC Polymers Site	Cleanup Method(s):	EPA 3665/3660
		Analysis Method:	EPA 8082
Lab ID	BD100612-05-H		
File ID:	A062546.D	Matrix:	NAPL
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/17/2010	Sample Size (g):	0.0247
Date Cleanup:	6/17/2010	Percent Solid:	100%
Date Analyzed:	6/26/2010	Extract Volume (µl):	10000
Instrument:	AMX	Prep DF:	1
Operator:	JAR	Analysis DF:	1
		Injection Volume (µl):	1.00
Batch QC:	QC100617-MB-H		

Analyte	Concentration (mg/kg)	RL	EDL	Comments
PCB AROCLORS				
Aroclor 1016	U	4.05	2.02	
Aroclor 1221	U	4.05	2.02	
Aroclor 1232	U	4.05	2.02	
Aroclor 1242	U	4.05	2.02	
Aroclor 1248	U	4.05	2.02	
Aroclor 1254	U	4.05	2.02	
Aroclor 1260	U	4.05	2.02	
Aroclor 1262	U	4.05	2.02	
Aroclor 1268	U	4.05	2.02	
PCT AROCLORS				
Aroclor 5060	U	4.05	2.02	
Aroclor 5442	U	4.05	2.02	
Aroclor 5460	U	4.05	2.02	

Extraction Surrogate Recoveries (%)		Limits
Tetrachloro-m-xylene	109	50 - 120
Decachlorobiphenyl	94	50 - 120

NA - Not applicable
B - Analyte detected in the Blank
J - Estimated value; detected between the RL and DL
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL

Analytical Results for Polychlorinated Biphenyls
META Environmental, Inc.

Field ID: NAPL C SO-1

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	EPA 3665/3660
		Analysis Method:	EPA 8082
Lab ID	BD100612-06-H		
File ID:	A070137.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/16/2010	Sample Size (g):	4.58
Date Cleanup:	6/22/2010	Percent Solid:	44.8%
Date Analyzed:	7/2/2010	Extract Volume (µl):	2000
Instrument:	AMX	Prep DF:	1
Operator:	JAR	Analysis DF:	1
		Injection Volume (µl):	1.00
Batch QC:	QC100616-SB-H		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
PCB AROCLORS					
Aroclor 1016		U	0.010	0.005	
Aroclor 1221		U	0.010	0.005	
Aroclor 1232		U	0.010	0.005	
Aroclor 1242		U	0.010	0.005	
Aroclor 1248	0.084		0.010	0.005	
Aroclor 1254		U	0.010	0.005	
Aroclor 1260		U	0.010	0.005	
Aroclor 1262		U	0.010	0.005	
Aroclor 1268		U	0.010	0.005	
PCT AROCLORS					
Aroclor 5060		U	0.010	0.005	
Aroclor 5442		U	0.010	0.005	
Aroclor 5460		U	0.010	0.005	

Extraction Surrogate Recoveries (%)		Limits
Tetrachloro-m-xylene	56	50 - 120
Decachlorobiphenyl	52	50 - 120

NA - Not applicable
B - Analyte detected in the Blank
J - Estimated value; detected between the RL and DL
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL

Analytical Results for Polychlorinated Biphenyls
META Environmental, Inc.

Field ID: NAPL D

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3580
Project:	EPEC Polymers Site	Cleanup Method(s):	EPA 3665/3660
		Analysis Method:	EPA 8082
Lab ID	BD100612-07-H		
File ID:	A062549.D	Matrix:	NAPL
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/17/2010	Sample Size (g):	0.0253
Date Cleanup:	6/17/2010	Percent Solid:	100%
Date Analyzed:	6/27/2010	Extract Volume (µl):	10000
Instrument:	AMX	Prep DF:	1
Operator:	JAR	Analysis DF:	1
		Injection Volume (µl):	1.00
Batch QC:	QC100617-MB-H		

Analyte	Concentration (mg/kg)	RL	EDL	Comments
PCB AROCLORS				
Aroclor 1016	U	3.95	1.98	
Aroclor 1221	U	3.95	1.98	
Aroclor 1232	U	3.95	1.98	
Aroclor 1242	U	3.95	1.98	
Aroclor 1248	U	3.95	1.98	
Aroclor 1254	U	3.95	1.98	
Aroclor 1260	U	3.95	1.98	
Aroclor 1262	U	3.95	1.98	
Aroclor 1268	U	3.95	1.98	
PCT AROCLORS				
Aroclor 5060	U	3.95	1.98	
Aroclor 5442	U	3.95	1.98	
Aroclor 5460	U	3.95	1.98	

Extraction Surrogate Recoveries (%)		Limits
Tetrachloro-m-xylene	110	50 - 120
Decachlorobiphenyl	100	50 - 120

NA - Not applicable
B - Analyte detected in the Blank
J - Estimated value; detected between the RL and DL
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL

Analytical Results for Polychlorinated Biphenyls
META Environmental, Inc.

Field ID: NAPL D SO-1

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	EPA 3665/3660
		Analysis Method:	EPA 8082
Lab ID	BD100612-08-H		
File ID:	A070140.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/16/2010	Sample Size (g):	4.13
Date Cleanup:	6/22/2010	Percent Solid:	44.7%
Date Analyzed:	7/3/2010	Extract Volume (µl):	2000
Instrument:	AMX	Prep DF:	1
Operator:	JAR	Analysis DF:	1
		Injection Volume (µl):	1.00
Batch QC:	QC100616-SB-H		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
PCB AROCLORS					
Aroclor 1016		U	0.011	0.005	
Aroclor 1221		U	0.011	0.005	
Aroclor 1232		U	0.011	0.005	
Aroclor 1242		U	0.011	0.005	
Aroclor 1248	0.630		0.011	0.005	
Aroclor 1254	0.458		0.011	0.005	
Aroclor 1260	0.186		0.011	0.005	
Aroclor 1262		U	0.011	0.005	
Aroclor 1268		U	0.011	0.005	
PCT AROCLORS					
Aroclor 5060		U	0.011	0.005	
Aroclor 5442		U	0.011	0.005	
Aroclor 5460		U	0.011	0.005	

Extraction Surrogate Recoveries (%)		Limits
Tetrachloro-m-xylene	67	50 - 120
Decachlorobiphenyl	48	50 - 120

NA - Not applicable
B - Analyte detected in the Blank
J - Estimated value; detected between the RL and DL
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL

Analytical Results for Polychlorinated Biphenyls
META Environmental, Inc.

Field ID: NAPL E

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	EPA 3665/3660
		Analysis Method:	EPA 8082
Lab ID	BD100612-09-H-D		
File ID:	A070132.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.76
Date Cleanup:	6/22/2010	Percent Solid:	44.6%
Date Analyzed:	7/2/2010	Extract Volume (µl):	2000
Instrument:	AMX	Prep DF:	1
Operator:	JAR	Analysis DF:	50
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB-H		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
PCB AROCLORS					
Aroclor 1016		U	0.471	0.236	
Aroclor 1221		U	0.471	0.236	
Aroclor 1232		U	0.471	0.236	
Aroclor 1242		U	0.471	0.236	
Aroclor 1248	23.0		0.471	0.236	
Aroclor 1254	17.3		0.471	0.236	
Aroclor 1260		U	0.471	0.236	
Aroclor 1262		U	0.471	0.236	
Aroclor 1268		U	0.471	0.236	
PCT AROCLORS					
Aroclor 5060		U	0.471	0.236	
Aroclor 5442		U	0.471	0.236	
Aroclor 5460		U	0.471	0.236	

Extraction Surrogate Recoveries (%)		Limits
Tetrachloro-m-xylene	92	55 - 120
Decachlorobiphenyl	95	55 - 120

NA - Not applicable
B - Analyte detected in the Blank
J - Estimated value; detected between the RL and DL
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL

Analytical Results for Polychlorinated Biphenyls
META Environmental, Inc.

Field ID: NAPL E SO-1

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	EPA 3665/3660
		Analysis Method:	EPA 8082
Lab ID	BD100612-10-H		
File ID:	A070143.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/16/2010	Sample Size (g):	4.34
Date Cleanup:	6/22/2010	Percent Solid:	64.5%
Date Analyzed:	7/3/2010	Extract Volume (µl):	2000
Instrument:	AMX	Prep DF:	1
Operator:	JAR	Analysis DF:	1
		Injection Volume (µl):	1.00
Batch QC:	QC100616-SB-H		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
PCB AROCLORS					
Aroclor 1016		U	0.007	0.004	
Aroclor 1221		U	0.007	0.004	
Aroclor 1232		U	0.007	0.004	
Aroclor 1242		U	0.007	0.004	
Aroclor 1248	0.346		0.007	0.004	
Aroclor 1254	0.360		0.007	0.004	
Aroclor 1260		U	0.007	0.004	
Aroclor 1262		U	0.007	0.004	
Aroclor 1268		U	0.007	0.004	
PCT AROCLORS					
Aroclor 5060		U	0.007	0.004	
Aroclor 5442		U	0.007	0.004	
Aroclor 5460		U	0.007	0.004	

Extraction Surrogate Recoveries (%)		Limits
Tetrachloro-m-xylene	83	50 - 120
Decachlorobiphenyl	28	50 - 120

NA - Not applicable
B - Analyte detected in the Blank
J - Estimated value; detected between the RL and DL
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL

Analytical Results for Polychlorinated Biphenyls
META Environmental, Inc.

Field ID: DUP 061110

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3580
Project:	EPEC Polymers Site	Cleanup Method(s):	EPA 3665/3660
		Analysis Method:	EPA 8082
Lab ID	BD100612-11-H		
File ID:	A062552.D	Matrix:	NAPL
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/17/2010	Sample Size (g):	0.02
Date Cleanup:	6/17/2010	Percent Solid:	100%
Date Analyzed:	6/27/2010	Extract Volume (µl):	10000
Instrument:	AMX	Prep DF:	1
Operator:	JAR	Analysis DF:	1
		Injection Volume (µl):	1.00
Batch QC:	QC100617-MB-H		

Analyte	Concentration (mg/kg)	RL	EDL	Comments
PCB AROCLORS				
Aroclor 1016	U	4.07	2.04	
Aroclor 1221	U	4.07	2.04	
Aroclor 1232	U	4.07	2.04	
Aroclor 1242	U	4.07	2.04	
Aroclor 1248	U	4.07	2.04	
Aroclor 1254	U	4.07	2.04	
Aroclor 1260	U	4.07	2.04	
Aroclor 1262	U	4.07	2.04	
Aroclor 1268	U	4.07	2.04	
PCT AROCLORS				
Aroclor 5060	U	4.07	2.04	
Aroclor 5442	U	4.07	2.04	
Aroclor 5460	U	4.07	2.04	

Extraction Surrogate Recoveries (%)		Limits
Tetrachloro-m-xylene	113	50 - 120
Decachlorobiphenyl	96	50 - 120

NA - Not applicable
B - Analyte detected in the Blank
J - Estimated value; detected between the RL and DL
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL

Analytical Results for Polychlorinated Biphenyls
META Environmental, Inc.

Field ID: DUP 061110

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	EPA 3665/3660
		Analysis Method:	EPA 8082
Lab ID	BD100612-12-H		
File ID:	A070144.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/16/2010	Sample Size (g):	4.20
Date Cleanup:	6/22/2010	Percent Solid:	74.7%
Date Analyzed:	7/3/2010	Extract Volume (µl):	2000
Instrument:	AMX	Prep DF:	1
Operator:	JAR	Analysis DF:	1
		Injection Volume (µl):	1.00
Batch QC:	QC100616-SB-H		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
PCB AROCLORS					
Aroclor 1016		U	0.006	0.003	
Aroclor 1221		U	0.006	0.003	
Aroclor 1232		U	0.006	0.003	
Aroclor 1242		U	0.006	0.003	
Aroclor 1248		U	0.006	0.003	
Aroclor 1254		U	0.006	0.003	
Aroclor 1260		U	0.006	0.003	
Aroclor 1262		U	0.006	0.003	
Aroclor 1268		U	0.006	0.003	
PCT AROCLORS					
Aroclor 5060		U	0.006	0.003	
Aroclor 5442		U	0.006	0.003	
Aroclor 5460		U	0.006	0.003	

Extraction Surrogate Recoveries (%)		Limits
Tetrachloro-m-xylene	52	50 - 120
Decachlorobiphenyl	52	50 - 120

NA - Not applicable
B - Analyte detected in the Blank
J - Estimated value; detected between the RL and DL
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL

Analytical Results for Polychlorinated Biphenyls
META Environmental, Inc.

Field ID: FB061110

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3511
Project:	EPEC Polymers Site	Cleanup Method(s):	EPA 3665/3660
		Analysis Method:	EPA 8082
Lab ID	BD100612-13-H		
File ID:	A062540.D	Matrix:	Water
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/17/2010	Sample Size (mL):	35.00
Date Cleanup:	NA	Percent Solid:	100%
Date Analyzed:	6/26/2010	Extract Volume (µl):	2000
Instrument:	AMX	Prep DF:	1
Operator:	JAR	Analysis DF:	1
		Injection Volume (µl):	1.00
Batch QC:	QC100617-AB2		

Analyte	Concentration (µg/L)		RL	EDL	Comments
PCB AROCLORS					
Aroclor 1016		U	0.571	0.285	
Aroclor 1221		U	0.571	0.285	
Aroclor 1232		U	0.571	0.285	
Aroclor 1242		U	0.571	0.285	
Aroclor 1248		U	0.571	0.285	
Aroclor 1254		U	0.571	0.285	
Aroclor 1260		U	0.571	0.285	
Aroclor 1262		U	0.571	0.285	
Aroclor 1268		U	0.571	0.285	
PCT AROCLORS					
Aroclor 5060		U	0.571	0.285	
Aroclor 5442		U	0.571	0.285	
Aroclor 5460		U	0.571	0.285	

Extraction Surrogate Recoveries (%)		Limits
Tetrachloro-m-xylene	96	50 - 120
Decachlorobiphenyl	87	50 - 120

NA - Not applicable
B - Analyte detected in the Blank
J - Estimated value; detected between the RL and DL
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL

Analytical Results for Polychlorinated Biphenyls
META Environmental, Inc.

Field ID: CD-05-0-0.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	EPA 3665/3660
		Analysis Method:	EPA 8082
Lab ID	BD100616-01-H-D		
File ID:	A070117.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.49
Date Cleanup:	6/22/2010	Percent Solid:	69.3%
Date Analyzed:	7/2/2010	Extract Volume (µl):	2000
Instrument:	AMX	Prep DF:	1
Operator:	JAR	Analysis DF:	10
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB-H		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
PCB AROCLORS					
Aroclor 1016		U	0.064	0.032	
Aroclor 1221		U	0.064	0.032	
Aroclor 1232		U	0.064	0.032	
Aroclor 1242		U	0.064	0.032	
Aroclor 1248	2.44		0.064	0.032	
Aroclor 1254		U	0.064	0.032	
Aroclor 1260		U	0.064	0.032	
Aroclor 1262		U	0.064	0.032	
Aroclor 1268		U	0.064	0.032	
PCT AROCLORS					
Aroclor 5060		U	0.064	0.032	
Aroclor 5442		U	0.064	0.032	
Aroclor 5460		U	0.064	0.032	

Extraction Surrogate Recoveries (%)		Limits
Tetrachloro-m-xylene	67	50 - 120
Decachlorobiphenyl	82	50 - 120

NA - Not applicable
B - Analyte detected in the Blank
J - Estimated value; detected between the RL and DL
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL

Analytical Results for Polychlorinated Biphenyls
META Environmental, Inc.

Field ID: CD-05-1.0-1.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	EPA 3665/3660
		Analysis Method:	EPA 8082
Lab ID	BD100616-02-H-D		
File ID:	A070119.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.37
Date Cleanup:	6/22/2010	Percent Solid:	79.7%
Date Analyzed:	7/2/2010	Extract Volume (µl):	2000
Instrument:	AMX	Prep DF:	1
Operator:	JAR	Analysis DF:	10
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB-H		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
PCB AROCLORS					
Aroclor 1016		U	0.058	0.029	
Aroclor 1221		U	0.058	0.029	
Aroclor 1232		U	0.058	0.029	
Aroclor 1242		U	0.058	0.029	
Aroclor 1248	2.15		0.058	0.029	
Aroclor 1254	1.12		0.058	0.029	
Aroclor 1260		U	0.058	0.029	
Aroclor 1262		U	0.058	0.029	
Aroclor 1268		U	0.058	0.029	
PCT AROCLORS					
Aroclor 5060		U	0.058	0.029	
Aroclor 5442		U	0.058	0.029	
Aroclor 5460		U	0.058	0.029	

Extraction Surrogate Recoveries (%)		Limits
Tetrachloro-m-xylene	63	50 - 120
Decachlorobiphenyl	80	50 - 120

NA - Not applicable
B - Analyte detected in the Blank
J - Estimated value; detected between the RL and DL
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL

Analytical Results for Polychlorinated Biphenyls
META Environmental, Inc.

Field ID: B9-5E-0-0.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	EPA 3665/3660
		Analysis Method:	EPA 8082
Lab ID	BD100616-03-H-D		
File ID:	A070130.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.64
Date Cleanup:	6/22/2010	Percent Solid:	55.7%
Date Analyzed:	7/2/2010	Extract Volume (µl):	2000
Instrument:	AMX	Prep DF:	1
Operator:	JAR	Analysis DF:	20
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB-H		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
PCB AROCLORS					
Aroclor 1016		U	0.155	0.078	
Aroclor 1221		U	0.155	0.078	
Aroclor 1232		U	0.155	0.078	
Aroclor 1242		U	0.155	0.078	
Aroclor 1248	3.74		0.155	0.078	
Aroclor 1254	4.81		0.155	0.078	
Aroclor 1260		U	0.155	0.078	
Aroclor 1262		U	0.155	0.078	
Aroclor 1268		U	0.155	0.078	
PCT AROCLORS					
Aroclor 5060		U	0.155	0.078	
Aroclor 5442		U	0.155	0.078	
Aroclor 5460		U	0.155	0.078	

Extraction Surrogate Recoveries (%)		Limits
Tetrachloro-m-xylene	32	50 - 120
Decachlorobiphenyl	48	50 - 120

NA - Not applicable
B - Analyte detected in the Blank
J - Estimated value; detected between the RL and DL
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL

Analytical Results for Polychlorinated Biphenyls
META Environmental, Inc.

Field ID: B9-5E-1.0-1.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	EPA 3665/3660
		Analysis Method:	EPA 8082
Lab ID	BD100616-04-H		
File ID:	A070145.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.74
Date Cleanup:	6/22/2010	Percent Solid:	80.6%
Date Analyzed:	7/3/2010	Extract Volume (µl):	2000
Instrument:	AMX	Prep DF:	1
Operator:	JAR	Analysis DF:	1
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB-H		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
PCB AROCLORS					
Aroclor 1016		U	0.005	0.003	
Aroclor 1221		U	0.005	0.003	
Aroclor 1232		U	0.005	0.003	
Aroclor 1242		U	0.005	0.003	
Aroclor 1248	0.067		0.005	0.003	
Aroclor 1254	0.088		0.005	0.003	
Aroclor 1260		U	0.005	0.003	
Aroclor 1262		U	0.005	0.003	
Aroclor 1268		U	0.005	0.003	
PCT AROCLORS					
Aroclor 5060		U	0.005	0.003	
Aroclor 5442		U	0.005	0.003	
Aroclor 5460		U	0.005	0.003	

Extraction Surrogate Recoveries (%)		Limits
Tetrachloro-m-xylene	67	50 - 120
Decachlorobiphenyl	64	50 - 120

NA - Not applicable
B - Analyte detected in the Blank
J - Estimated value; detected between the RL and DL
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL

Analytical Results for Polychlorinated Biphenyls
META Environmental, Inc.

Field ID: B17-0-0.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	EPA 3665/3660
		Analysis Method:	EPA 8082
Lab ID	BD100616-05-H-D		
File ID:	A070131.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.44
Date Cleanup:	6/22/2010	Percent Solid:	70.3%
Date Analyzed:	7/2/2010	Extract Volume (µl):	2000
Instrument:	AMX	Prep DF:	1
Operator:	JAR	Analysis DF:	50
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB-H		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
PCB AROCLORS					
Aroclor 1016		U	0.320	0.160	
Aroclor 1221		U	0.320	0.160	
Aroclor 1232		U	0.320	0.160	
Aroclor 1242		U	0.320	0.160	
Aroclor 1248	15.2		0.320	0.160	
Aroclor 1254	15.6		0.320	0.160	
Aroclor 1260		U	0.320	0.160	
Aroclor 1262		U	0.320	0.160	
Aroclor 1268		U	0.320	0.160	
PCT AROCLORS					
Aroclor 5060		U	0.320	0.160	
Aroclor 5442		U	0.320	0.160	
Aroclor 5460		U	0.320	0.160	

Extraction Surrogate Recoveries (%)		Limits
Tetrachloro-m-xylene	76	50 - 120
Decachlorobiphenyl	109	50 - 120

NA - Not applicable
B - Analyte detected in the Blank
J - Estimated value; detected between the RL and DL
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL

Analytical Results for Polychlorinated Biphenyls
META Environmental, Inc.

Field ID: B17-1.0-1.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	EPA 3665/3660
		Analysis Method:	EPA 8082
Lab ID	BD100616-06-H		
File ID:	A070146.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.75
Date Cleanup:	6/22/2010	Percent Solid:	73.9%
Date Analyzed:	7/3/2010	Extract Volume (µl):	2000
Instrument:	AMX	Prep DF:	1
Operator:	JAR	Analysis DF:	1
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB-H		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
PCB AROCLORS					
Aroclor 1016		U	0.006	0.003	
Aroclor 1221		U	0.006	0.003	
Aroclor 1232		U	0.006	0.003	
Aroclor 1242		U	0.006	0.003	
Aroclor 1248	0.053		0.006	0.003	
Aroclor 1254	0.080		0.006	0.003	
Aroclor 1260		U	0.006	0.003	
Aroclor 1262		U	0.006	0.003	
Aroclor 1268		U	0.006	0.003	
PCT AROCLORS					
Aroclor 5060		U	0.006	0.003	
Aroclor 5442		U	0.006	0.003	
Aroclor 5460		U	0.006	0.003	

Extraction Surrogate Recoveries (%)		Limits
Tetrachloro-m-xylene	61	50 - 120
Decachlorobiphenyl	61	50 - 120

NA - Not applicable
B - Analyte detected in the Blank
J - Estimated value; detected between the RL and DL
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL

Analytical Results for Polychlorinated Biphenyls
META Environmental, Inc.

Field ID: 2G-0-0.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	EPA 3665/3660
		Analysis Method:	EPA 8082
Lab ID	BD100616-07-H-D		
File ID:	A070120.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.34
Date Cleanup:	6/22/2010	Percent Solid:	42.9%
Date Analyzed:	7/2/2010	Extract Volume (µl):	2000
Instrument:	AMX	Prep DF:	1
Operator:	JAR	Analysis DF:	10
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB-H		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
PCB AROCLORS				
Aroclor 1016	U	0.107	0.054	
Aroclor 1221	U	0.107	0.054	
Aroclor 1232	U	0.107	0.054	
Aroclor 1242	U	0.107	0.054	
Aroclor 1248	U	0.107	0.054	
Aroclor 1254	1.26	0.107	0.054	
Aroclor 1260	U	0.107	0.054	
Aroclor 1262	U	0.107	0.054	
Aroclor 1268	U	0.107	0.054	
PCT AROCLORS				
Aroclor 5060	U	0.107	0.054	
Aroclor 5442	U	0.107	0.054	
Aroclor 5460	U	0.107	0.054	

Extraction Surrogate Recoveries (%)		Limits
Tetrachloro-m-xylene	86	50 - 120
Decachlorobiphenyl	112	50 - 120

NA - Not applicable
B - Analyte detected in the Blank
J - Estimated value; detected between the RL and DL
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL

Analytical Results for Polychlorinated Biphenyls
META Environmental, Inc.

Field ID: 2G-1.0-1.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	EPA 3665/3660
		Analysis Method:	EPA 8082
Lab ID	BD100616-08-H-D		
File ID:	A070121.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.18
Date Cleanup:	6/22/2010	Percent Solid:	56.8%
Date Analyzed:	7/2/2010	Extract Volume (µl):	2000
Instrument:	AMX	Prep DF:	1
Operator:	JAR	Analysis DF:	10
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB-H		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
PCB AROCLORS					
Aroclor 1016		U	0.084	0.042	
Aroclor 1221		U	0.084	0.042	
Aroclor 1232		U	0.084	0.042	
Aroclor 1242		U	0.084	0.042	
Aroclor 1248	4.35		0.084	0.042	
Aroclor 1254	4.82		0.084	0.042	
Aroclor 1260	0.546		0.084	0.042	
Aroclor 1262		U	0.084	0.042	
Aroclor 1268		U	0.084	0.042	
PCT AROCLORS					
Aroclor 5060		U	0.084	0.042	
Aroclor 5442		U	0.084	0.042	
Aroclor 5460		U	0.084	0.042	

Extraction Surrogate Recoveries (%)		Limits
Tetrachloro-m-xylene	68	50 - 120
Decachlorobiphenyl	134	50 - 120

NA - Not applicable
B - Analyte detected in the Blank
J - Estimated value; detected between the RL and DL
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL

Analytical Results for Polychlorinated Biphenyls
META Environmental, Inc.

Field ID: 1I-0-0.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	EPA 3665/3660
		Analysis Method:	EPA 8082
Lab ID	BD100616-09-H		
File ID:	A070147.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.35
Date Cleanup:	6/22/2010	Percent Solid:	19.5%
Date Analyzed:	7/3/2010	Extract Volume (µl):	2000
Instrument:	AMX	Prep DF:	1
Operator:	JAR	Analysis DF:	1
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB-H		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
PCB AROCLORS					
Aroclor 1016		U	0.024	0.012	
Aroclor 1221		U	0.024	0.012	
Aroclor 1232		U	0.024	0.012	
Aroclor 1242		U	0.024	0.012	
Aroclor 1248	0.129		0.024	0.012	
Aroclor 1254	0.181		0.024	0.012	
Aroclor 1260		U	0.024	0.012	
Aroclor 1262		U	0.024	0.012	
Aroclor 1268		U	0.024	0.012	
PCT AROCLORS					
Aroclor 5060		U	0.024	0.012	
Aroclor 5442		U	0.024	0.012	
Aroclor 5460		U	0.024	0.012	

Extraction Surrogate Recoveries (%)		Limits
Tetrachloro-m-xylene	64	50 - 120
Decachlorobiphenyl	62	50 - 120

NA - Not applicable
B - Analyte detected in the Blank
J - Estimated value; detected between the RL and DL
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL

Analytical Results for Polychlorinated Biphenyls
META Environmental, Inc.

Field ID: DUP061510

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	EPA 3665/3660
		Analysis Method:	EPA 8082
Lab ID	BD100616-10-H		
File ID:	A070148.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.60
Date Cleanup:	6/22/2010	Percent Solid:	19.5%
Date Analyzed:	7/3/2010	Extract Volume (µl):	2000
Instrument:	AMX	Prep DF:	1
Operator:	JAR	Analysis DF:	1
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB-H		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
PCB AROCLORS					
Aroclor 1016		U	0.022	0.011	
Aroclor 1221		U	0.022	0.011	
Aroclor 1232		U	0.022	0.011	
Aroclor 1242		U	0.022	0.011	
Aroclor 1248	0.179		0.022	0.011	
Aroclor 1254	0.244		0.022	0.011	
Aroclor 1260		U	0.022	0.011	
Aroclor 1262		U	0.022	0.011	
Aroclor 1268		U	0.022	0.011	
PCT AROCLORS					
Aroclor 5060		U	0.022	0.011	
Aroclor 5442		U	0.022	0.011	
Aroclor 5460		U	0.022	0.011	

Extraction Surrogate Recoveries (%)		Limits
Tetrachloro-m-xylene	69	50 - 120
Decachlorobiphenyl	64	50 - 120

NA - Not applicable
B - Analyte detected in the Blank
J - Estimated value; detected between the RL and DL
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL

Analytical Results for Polychlorinated Biphenyls
META Environmental, Inc.

Field ID: 1I-1.0-1.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	EPA 3665/3660
		Analysis Method:	EPA 8082
Lab ID	BD100616-11-H		
File ID:	A070149.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.31
Date Cleanup:	6/22/2010	Percent Solid:	51.4%
Date Analyzed:	7/3/2010	Extract Volume (µl):	2000
Instrument:	AMX	Prep DF:	1
Operator:	JAR	Analysis DF:	1
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB-H		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
PCB AROCLORS					
Aroclor 1016		U	0.009	0.005	
Aroclor 1221		U	0.009	0.005	
Aroclor 1232		U	0.009	0.005	
Aroclor 1242		U	0.009	0.005	
Aroclor 1248	1.45	E	0.009	0.005	
Aroclor 1254	1.18	E	0.009	0.005	
Aroclor 1260	0.196		0.009	0.005	
Aroclor 1262		U	0.009	0.005	
Aroclor 1268		U	0.009	0.005	
PCT AROCLORS					
Aroclor 5060		U	0.009	0.005	
Aroclor 5442		U	0.009	0.005	
Aroclor 5460		U	0.009	0.005	

Extraction Surrogate Recoveries (%)		Limits
Tetrachloro-m-xylene	85	50 - 120
Decachlorobiphenyl	73	50 - 120

NA - Not applicable
B - Analyte detected in the Blank
J - Estimated value; detected between the RL and DL
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL

Analytical Results for Polychlorinated Biphenyls
META Environmental, Inc.

Field ID: HD5-0-0.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	EPA 3665/3660
		Analysis Method:	EPA 8082
Lab ID	BD100616-12-H-D		
File ID:	A070122.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.78
Date Cleanup:	6/22/2010	Percent Solid:	81.2%
Date Analyzed:	7/2/2010	Extract Volume (µl):	2000
Instrument:	AMX	Prep DF:	1
Operator:	JAR	Analysis DF:	10
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB-H		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
PCB AROCLORS					
Aroclor 1016		U	0.052	0.026	
Aroclor 1221		U	0.052	0.026	
Aroclor 1232		U	0.052	0.026	
Aroclor 1242		U	0.052	0.026	
Aroclor 1248	2.0		0.052	0.026	
Aroclor 1254		U	0.052	0.026	
Aroclor 1260		U	0.052	0.026	
Aroclor 1262		U	0.052	0.026	
Aroclor 1268		U	0.052	0.026	
PCT AROCLORS					
Aroclor 5060		U	0.052	0.026	
Aroclor 5442		U	0.052	0.026	
Aroclor 5460		U	0.052	0.026	

Extraction Surrogate Recoveries (%)		Limits
Tetrachloro-m-xylene	85	50 - 120
Decachlorobiphenyl	94	50 - 120

NA - Not applicable
B - Analyte detected in the Blank
J - Estimated value; detected between the RL and DL
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL

Analytical Results for Polychlorinated Biphenyls
META Environmental, Inc.

Field ID: HD5-2-2.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	EPA 3665/3660
		Analysis Method:	EPA 8082
Lab ID	BD100616-13-H-D		
File ID:	A070129.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.63
Date Cleanup:	6/22/2010	Percent Solid:	82.2%
Date Analyzed:	7/2/2010	Extract Volume (µl):	2000
Instrument:	AMX	Prep DF:	1
Operator:	JAR	Analysis DF:	20
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB-H		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
PCB AROCLORS					
Aroclor 1016		U	0.105	0.053	
Aroclor 1221		U	0.105	0.053	
Aroclor 1232		U	0.105	0.053	
Aroclor 1242	4.9		0.105	0.053	
Aroclor 1248	5.96		0.105	0.053	
Aroclor 1254		U	0.105	0.053	
Aroclor 1260		U	0.105	0.053	
Aroclor 1262		U	0.105	0.053	
Aroclor 1268		U	0.105	0.053	
PCT AROCLORS					
Aroclor 5060		U	0.105	0.053	
Aroclor 5442		U	0.105	0.053	
Aroclor 5460		U	0.105	0.053	

Extraction Surrogate Recoveries (%)		Limits
Tetrachloro-m-xylene	98	50 - 120
Decachlorobiphenyl	134	50 - 120

NA - Not applicable
B - Analyte detected in the Blank
J - Estimated value; detected between the RL and DL
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL

Analytical Results for Polychlorinated Biphenyls
META Environmental, Inc.

Field ID: HD6-0-0.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	EPA 3665/3660
		Analysis Method:	EPA 8082
Lab ID	BD100616-14-H-D		
File ID:	A070123.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.62
Date Cleanup:	6/22/2010	Percent Solid:	81.6%
Date Analyzed:	7/2/2010	Extract Volume (µl):	2000
Instrument:	AMX	Prep DF:	1
Operator:	JAR	Analysis DF:	10
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB-H		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
PCB AROCLORS				
Aroclor 1016	U	0.053	0.027	
Aroclor 1221	U	0.053	0.027	
Aroclor 1232	U	0.053	0.027	
Aroclor 1242	U	0.053	0.027	
Aroclor 1248	4.08	0.053	0.027	
Aroclor 1254	U	0.053	0.027	
Aroclor 1260	U	0.053	0.027	
Aroclor 1262	U	0.053	0.027	
Aroclor 1268	U	0.053	0.027	
PCT AROCLORS				
Aroclor 5060	U	0.053	0.027	
Aroclor 5442	U	0.053	0.027	
Aroclor 5460	U	0.053	0.027	

Extraction Surrogate Recoveries (%)		Limits
Tetrachloro-m-xylene	86	50 - 120
Decachlorobiphenyl	109	50 - 120

NA - Not applicable
B - Analyte detected in the Blank
J - Estimated value; detected between the RL and DL
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL

Analytical Results for Polychlorinated Biphenyls
META Environmental, Inc.

Field ID: HD6-2-2.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	EPA 3665/3660
		Analysis Method:	EPA 8082
Lab ID	BD100616-15-H		
File ID:	A070152.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.47
Date Cleanup:	6/22/2010	Percent Solid:	71.6%
Date Analyzed:	7/3/2010	Extract Volume (µl):	2000
Instrument:	AMX	Prep DF:	1
Operator:	JAR	Analysis DF:	1
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB-H		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
PCB AROCLORS					
Aroclor 1016		U	0.006	0.003	
Aroclor 1221		U	0.006	0.003	
Aroclor 1232		U	0.006	0.003	
Aroclor 1242	0.262		0.006	0.003	
Aroclor 1248	0.379		0.006	0.003	
Aroclor 1254	0.191		0.006	0.003	
Aroclor 1260		U	0.006	0.003	
Aroclor 1262		U	0.006	0.003	
Aroclor 1268		U	0.006	0.003	
PCT AROCLORS					
Aroclor 5060		U	0.006	0.003	
Aroclor 5442		U	0.006	0.003	
Aroclor 5460		U	0.006	0.003	

Extraction Surrogate Recoveries (%)		Limits
Tetrachloro-m-xylene	54	50 - 120
Decachlorobiphenyl	53	50 - 120

NA - Not applicable
B - Analyte detected in the Blank
J - Estimated value; detected between the RL and DL
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL

Analytical Results for Polychlorinated Biphenyls
META Environmental, Inc.

Field ID: HD7-0-0.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	EPA 3665/3660
		Analysis Method:	EPA 8082
Lab ID	BD100616-16-H-D		
File ID:	A070124.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.13
Date Cleanup:	6/22/2010	Percent Solid:	43.2%
Date Analyzed:	7/2/2010	Extract Volume (µl):	2000
Instrument:	AMX	Prep DF:	1
Operator:	JAR	Analysis DF:	10
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB-H		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
PCB AROCLORS					
Aroclor 1016		U	0.112	0.056	
Aroclor 1221		U	0.112	0.056	
Aroclor 1232		U	0.112	0.056	
Aroclor 1242		U	0.112	0.056	
Aroclor 1248		U	0.112	0.056	
Aroclor 1254	2.93		0.112	0.056	
Aroclor 1260		U	0.112	0.056	
Aroclor 1262		U	0.112	0.056	
Aroclor 1268		U	0.112	0.056	
PCT AROCLORS					
Aroclor 5060		U	0.112	0.056	
Aroclor 5442		U	0.112	0.056	
Aroclor 5460		U	0.112	0.056	

Extraction Surrogate Recoveries (%)		Limits
Tetrachloro-m-xylene	80	51 - 120
Decachlorobiphenyl	104	51 - 120

NA - Not applicable
B - Analyte detected in the Blank
J - Estimated value; detected between the RL and DL
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL

Analytical Results for Polychlorinated Biphenyls
META Environmental, Inc.

Field ID: HD7-2-2.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	EPA 3665/3660
		Analysis Method:	EPA 8082
Lab ID	BD100616-17-H-D		
File ID:	A070125.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.78
Date Cleanup:	6/22/2010	Percent Solid:	47.3%
Date Analyzed:	7/2/2010	Extract Volume (µl):	2000
Instrument:	AMX	Prep DF:	1
Operator:	JAR	Analysis DF:	10
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB-H		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
PCB AROCLORS					
Aroclor 1016		U	0.089	0.044	
Aroclor 1221		U	0.089	0.044	
Aroclor 1232		U	0.089	0.044	
Aroclor 1242		U	0.089	0.044	
Aroclor 1248	2.99		0.089	0.044	
Aroclor 1254	3.16		0.089	0.044	
Aroclor 1260		U	0.089	0.044	
Aroclor 1262		U	0.089	0.044	
Aroclor 1268		U	0.089	0.044	
PCT AROCLORS					
Aroclor 5060		U	0.089	0.044	
Aroclor 5442		U	0.089	0.044	
Aroclor 5460		U	0.089	0.044	

Extraction Surrogate Recoveries (%)		Limits
Tetrachloro-m-xylene	72	52 - 120
Decachlorobiphenyl	95	52 - 120

NA - Not applicable
B - Analyte detected in the Blank
J - Estimated value; detected between the RL and DL
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL

Analytical Results for Polychlorinated Biphenyls
META Environmental, Inc.

Field ID: HD8-0-0.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	EPA 3665/3660
		Analysis Method:	EPA 8082
Lab ID	BD100616-18-H		
File ID:	A070155.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.28
Date Cleanup:	6/22/2010	Percent Solid:	38.6%
Date Analyzed:	7/3/2010	Extract Volume (µl):	2000
Instrument:	AMX	Prep DF:	1
Operator:	JAR	Analysis DF:	1
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB-H		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
PCB AROCLORS					
Aroclor 1016		U	0.012	0.006	
Aroclor 1221		U	0.012	0.006	
Aroclor 1232		U	0.012	0.006	
Aroclor 1242		U	0.012	0.006	
Aroclor 1248	0.641		0.012	0.006	
Aroclor 1254	1.05		0.012	0.006	
Aroclor 1260	0.167		0.012	0.006	
Aroclor 1262		U	0.012	0.006	
Aroclor 1268		U	0.012	0.006	
PCT AROCLORS					
Aroclor 5060		U	0.012	0.006	
Aroclor 5442		U	0.012	0.006	
Aroclor 5460		U	0.012	0.006	

Extraction Surrogate Recoveries (%)		Limits
Tetrachloro-m-xylene	82	53 - 120
Decachlorobiphenyl	68	53 - 120

NA - Not applicable
B - Analyte detected in the Blank
J - Estimated value; detected between the RL and DL
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL

Analytical Results for Polychlorinated Biphenyls
META Environmental, Inc.

Field ID: HD8-2-2.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	EPA 3665/3660
		Analysis Method:	EPA 8082
Lab ID	BD100616-19-H-D		
File ID:	A070128.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.14
Date Cleanup:	6/22/2010	Percent Solid:	54.0%
Date Analyzed:	7/2/2010	Extract Volume (µl):	2000
Instrument:	AMX	Prep DF:	1
Operator:	JAR	Analysis DF:	10
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB-H		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
PCB AROCLORS					
Aroclor 1016		U	0.090	0.045	
Aroclor 1221		U	0.090	0.045	
Aroclor 1232		U	0.090	0.045	
Aroclor 1242		U	0.090	0.045	
Aroclor 1248	2.13		0.090	0.045	
Aroclor 1254	2.74		0.090	0.045	
Aroclor 1260		U	0.090	0.045	
Aroclor 1262		U	0.090	0.045	
Aroclor 1268		U	0.090	0.045	
PCT AROCLORS					
Aroclor 5060		U	0.090	0.045	
Aroclor 5442		U	0.090	0.045	
Aroclor 5460		U	0.090	0.045	

Extraction Surrogate Recoveries (%)		Limits
Tetrachloro-m-xylene	85	54 - 120
Decachlorobiphenyl	115	54 - 120

NA - Not applicable
B - Analyte detected in the Blank
J - Estimated value; detected between the RL and DL
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL

Analytical Results for Polychlorinated Biphenyls
META Environmental, Inc.

Field ID: HD2-0-0.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	EPA 3665/3660
		Analysis Method:	EPA 8082
Lab ID	BD100616-20-H		
File ID:	A070156.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/16/2010	Sample Size (g):	4.34
Date Cleanup:	6/22/2010	Percent Solid:	48.9%
Date Analyzed:	7/3/2010	Extract Volume (µl):	2000
Instrument:	AMX	Prep DF:	1
Operator:	JAR	Analysis DF:	1
		Injection Volume (µl):	1.00
Batch QC:	QC100616-SB-H		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
PCB AROCLORS					
Aroclor 1016		U	0.009	0.005	
Aroclor 1221		U	0.009	0.005	
Aroclor 1232		U	0.009	0.005	
Aroclor 1242		U	0.009	0.005	
Aroclor 1248	0.175		0.009	0.005	
Aroclor 1254	0.234		0.009	0.005	
Aroclor 1260	0.034		0.009	0.005	
Aroclor 1262		U	0.009	0.005	
Aroclor 1268		U	0.009	0.005	
PCT AROCLORS					
Aroclor 5060		U	0.009	0.005	
Aroclor 5442		U	0.009	0.005	
Aroclor 5460		U	0.009	0.005	

Extraction Surrogate Recoveries (%)		Limits
Tetrachloro-m-xylene	56	50 - 120
Decachlorobiphenyl	52	50 - 120

NA - Not applicable
B - Analyte detected in the Blank
J - Estimated value; detected between the RL and DL
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL

Analytical Results for Polychlorinated Biphenyls
META Environmental, Inc.

Field ID: HD2-2-2.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	EPA 3665/3660
		Analysis Method:	EPA 8082
Lab ID	BD100616-21-H		
File ID:	A070157.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/16/2010	Sample Size (g):	4.80
Date Cleanup:	6/22/2010	Percent Solid:	70.7%
Date Analyzed:	7/3/2010	Extract Volume (µl):	2000
Instrument:	AMX	Prep DF:	1
Operator:	JAR	Analysis DF:	1
		Injection Volume (µl):	1.00
Batch QC:	QC100616-SB-H		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
PCB AROCLORS					
Aroclor 1016		U	0.006	0.003	
Aroclor 1221		U	0.006	0.003	
Aroclor 1232		U	0.006	0.003	
Aroclor 1242		U	0.006	0.003	
Aroclor 1248	0.266		0.006	0.003	
Aroclor 1254	0.228		0.006	0.003	
Aroclor 1260	0.034		0.006	0.003	
Aroclor 1262		U	0.006	0.003	
Aroclor 1268		U	0.006	0.003	
PCT AROCLORS					
Aroclor 5060		U	0.006	0.003	
Aroclor 5442		U	0.006	0.003	
Aroclor 5460		U	0.006	0.003	

Extraction Surrogate Recoveries (%)		Limits
Tetrachloro-m-xylene	54	50 - 120
Decachlorobiphenyl	51	50 - 120

NA - Not applicable
B - Analyte detected in the Blank
J - Estimated value; detected between the RL and DL
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL

Analytical Results for Polychlorinated Biphenyls
META Environmental, Inc.

Field ID: HD1-0-0.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	EPA 3665/3660
		Analysis Method:	EPA 8082
Lab ID	BD100616-22-H-D		
File ID:	A070116.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/16/2010	Sample Size (g):	4.93
Date Cleanup:	6/22/2010	Percent Solid:	45.8%
Date Analyzed:	7/2/2010	Extract Volume (µl):	2000
Instrument:	AMX	Prep DF:	1
Operator:	JAR	Analysis DF:	10
		Injection Volume (µl):	1.00
Batch QC:	QC100616-SB-H		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
PCB AROCLORS				
Aroclor 1016	U	0.089	0.044	
Aroclor 1221	U	0.089	0.044	
Aroclor 1232	U	0.089	0.044	
Aroclor 1242	U	0.089	0.044	
Aroclor 1248	2.39	0.089	0.044	
Aroclor 1254	U	0.089	0.044	
Aroclor 1260	U	0.089	0.044	
Aroclor 1262	U	0.089	0.044	
Aroclor 1268	U	0.089	0.044	
PCT AROCLORS				
Aroclor 5060	U	0.089	0.044	
Aroclor 5442	U	0.089	0.044	
Aroclor 5460	U	0.089	0.044	

Extraction Surrogate Recoveries (%)		Limits
Tetrachloro-m-xylene	76	50 - 120
Decachlorobiphenyl	100	50 - 120

NA - Not applicable
B - Analyte detected in the Blank
J - Estimated value; detected between the RL and DL
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL

Analytical Results for Polychlorinated Biphenyls
META Environmental, Inc.

Field ID: HD1-2-2.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	EPA 3665/3660
		Analysis Method:	EPA 8082
Lab ID	BD100616-23-H		
File ID:	A070158.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/16/2010	Sample Size (g):	4.70
Date Cleanup:	6/22/2010	Percent Solid:	32.4%
Date Analyzed:	7/3/2010	Extract Volume (µl):	2000
Instrument:	AMX	Prep DF:	1
Operator:	JAR	Analysis DF:	1
		Injection Volume (µl):	1.00
Batch QC:	QC100616-SB-H		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
PCB AROCLORS					
Aroclor 1016		U	0.013	0.007	
Aroclor 1221		U	0.013	0.007	
Aroclor 1232		U	0.013	0.007	
Aroclor 1242		U	0.013	0.007	
Aroclor 1248		U	0.013	0.007	
Aroclor 1254		U	0.013	0.007	
Aroclor 1260		U	0.013	0.007	
Aroclor 1262		U	0.013	0.007	
Aroclor 1268		U	0.013	0.007	
PCT AROCLORS					
Aroclor 5060		U	0.013	0.007	
Aroclor 5442		U	0.013	0.007	
Aroclor 5460		U	0.013	0.007	

Extraction Surrogate Recoveries (%)		Limits
Tetrachloro-m-xylene	65	50 - 120
Decachlorobiphenyl	62	50 - 120

NA - Not applicable
B - Analyte detected in the Blank
J - Estimated value; detected between the RL and DL
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL

Analytical Results for Polychlorinated Biphenyls
META Environmental, Inc.

Field ID: HD9-2-2.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	EPA 3665/3660
		Analysis Method:	EPA 8082
Lab ID	BD100616-24-H		
File ID:	A070159.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/16/2010	Sample Size (g):	4.21
Date Cleanup:	6/22/2010	Percent Solid:	73.4%
Date Analyzed:	7/3/2010	Extract Volume (µl):	2000
Instrument:	AMX	Prep DF:	1
Operator:	JAR	Analysis DF:	1
		Injection Volume (µl):	1.00
Batch QC:	QC100616-SB-H		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
PCB AROCLORS				
Aroclor 1016	U	0.006	0.003	
Aroclor 1221	U	0.006	0.003	
Aroclor 1232	U	0.006	0.003	
Aroclor 1242	U	0.006	0.003	
Aroclor 1248	U	0.006	0.003	
Aroclor 1254	0.008	0.006	0.003	
Aroclor 1260	U	0.006	0.003	
Aroclor 1262	U	0.006	0.003	
Aroclor 1268	U	0.006	0.003	
PCT AROCLORS				
Aroclor 5060	U	0.006	0.003	
Aroclor 5442	U	0.006	0.003	
Aroclor 5460	U	0.006	0.003	

Extraction Surrogate Recoveries (%)		Limits
Tetrachloro-m-xylene	61	50 - 120
Decachlorobiphenyl	61	50 - 120

NA - Not applicable
B - Analyte detected in the Blank
J - Estimated value; detected between the RL and DL
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL

Analytical Results for Polychlorinated Biphenyls
META Environmental, Inc.

Field ID: HD9-0-0.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	EPA 3665/3660
		Analysis Method:	EPA 8082
Lab ID	BD100616-25-H		
File ID:	A070160.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/16/2010	Sample Size (g):	4.02
Date Cleanup:	6/22/2010	Percent Solid:	72.3%
Date Analyzed:	7/3/2010	Extract Volume (µl):	2000
Instrument:	AMX	Prep DF:	1
Operator:	JAR	Analysis DF:	1
		Injection Volume (µl):	1.00
Batch QC:	QC100616-SB-H		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
PCB AROCLORS					
Aroclor 1016		U	0.007	0.003	
Aroclor 1221		U	0.007	0.003	
Aroclor 1232		U	0.007	0.003	
Aroclor 1242		U	0.007	0.003	
Aroclor 1248	0.035		0.007	0.003	
Aroclor 1254	0.041		0.007	0.003	
Aroclor 1260		U	0.007	0.003	
Aroclor 1262		U	0.007	0.003	
Aroclor 1268		U	0.007	0.003	
PCT AROCLORS					
Aroclor 5060		U	0.007	0.003	
Aroclor 5442		U	0.007	0.003	
Aroclor 5460		U	0.007	0.003	

Extraction Surrogate Recoveries (%)		Limits
Tetrachloro-m-xylene	72	50 - 120
Decachlorobiphenyl	62	50 - 120

NA - Not applicable
B - Analyte detected in the Blank
J - Estimated value; detected between the RL and DL
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL

Analytical Results for Polychlorinated Biphenyls
META Environmental, Inc.

Field ID: HD10-0-0.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	EPA 3665/3660
		Analysis Method:	EPA 8082
Lab ID	BD100616-26-H		
File ID:	A070161.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/16/2010	Sample Size (g):	4.85
Date Cleanup:	6/22/2010	Percent Solid:	48.5%
Date Analyzed:	7/3/2010	Extract Volume (µl):	2000
Instrument:	AMX	Prep DF:	1
Operator:	JAR	Analysis DF:	1
		Injection Volume (µl):	1.00
Batch QC:	QC100616-SB-H		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
PCB AROCLORS				
Aroclor 1016	U	0.009	0.004	
Aroclor 1221	U	0.009	0.004	
Aroclor 1232	U	0.009	0.004	
Aroclor 1242	U	0.009	0.004	
Aroclor 1248	U	0.009	0.004	
Aroclor 1254	0.088	0.009	0.004	
Aroclor 1260	U	0.009	0.004	
Aroclor 1262	U	0.009	0.004	
Aroclor 1268	U	0.009	0.004	
PCT AROCLORS				
Aroclor 5060	U	0.009	0.004	
Aroclor 5442	U	0.009	0.004	
Aroclor 5460	U	0.009	0.004	

Extraction Surrogate Recoveries (%)		Limits
Tetrachloro-m-xylene	70	50 - 120
Decachlorobiphenyl	62	50 - 120

NA - Not applicable
B - Analyte detected in the Blank
J - Estimated value; detected between the RL and DL
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL

Analytical Results for Polychlorinated Biphenyls
META Environmental, Inc.

Field ID: HD10-2-2.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	EPA 3665/3660
		Analysis Method:	EPA 8082
Lab ID	BD100616-27-H		
File ID:	A070162.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/16/2010	Sample Size (g):	4.11
Date Cleanup:	6/22/2010	Percent Solid:	43.7%
Date Analyzed:	7/3/2010	Extract Volume (µl):	2000
Instrument:	AMX	Prep DF:	1
Operator:	JAR	Analysis DF:	1
		Injection Volume (µl):	1.00
Batch QC:	QC100616-SB-H		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
PCB AROCLORS					
Aroclor 1016		U	0.011	0.006	
Aroclor 1221		U	0.011	0.006	
Aroclor 1232		U	0.011	0.006	
Aroclor 1242		U	0.011	0.006	
Aroclor 1248		U	0.011	0.006	
Aroclor 1254		U	0.011	0.006	
Aroclor 1260		U	0.011	0.006	
Aroclor 1262		U	0.011	0.006	
Aroclor 1268		U	0.011	0.006	
PCT AROCLORS					
Aroclor 5060		U	0.011	0.006	
Aroclor 5442		U	0.011	0.006	
Aroclor 5460		U	0.011	0.006	

Extraction Surrogate Recoveries (%)		Limits
Tetrachloro-m-xylene	74	50 - 120
Decachlorobiphenyl	74	50 - 120

NA - Not applicable
B - Analyte detected in the Blank
J - Estimated value; detected between the RL and DL
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL

Analytical Results for Polychlorinated Biphenyls
META Environmental, Inc.

Field ID: FB061510

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3511
Project:	EPEC Polymers Site	Cleanup Method(s):	EPA 3665/3660
		Analysis Method:	EPA 8082
Lab ID	BD100616-28-H		
File ID:	A062541.D	Matrix:	Water
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (mL):	35.00
Date Cleanup:	NA	Percent Solid:	100%
Date Analyzed:	6/26/2010	Extract Volume (µl):	2000
Instrument:	AMX	Prep DF:	1
Operator:	JAR	Analysis DF:	1
		Injection Volume (µl):	1.00
Batch QC:	QC100617-AB2		

Analyte	Concentration (µgL)		RL	EDL	Comments
PCB AROCLORS					
Aroclor 1016		U	0.571	0.285	
Aroclor 1221		U	0.571	0.285	
Aroclor 1232		U	0.571	0.285	
Aroclor 1242		U	0.571	0.285	
Aroclor 1248		U	0.571	0.285	
Aroclor 1254		U	0.571	0.285	
Aroclor 1260		U	0.571	0.285	
Aroclor 1262		U	0.571	0.285	
Aroclor 1268		U	0.571	0.285	
PCT AROCLORS					
Aroclor 5060		U	0.571	0.285	
Aroclor 5442		U	0.571	0.285	
Aroclor 5460		U	0.571	0.285	

Extraction Surrogate Recoveries (%)		Limits
Tetrachloro-m-xylene	87	50 - 120
Decachlorobiphenyl	82	50 - 120

NA - Not applicable
B - Analyte detected in the Blank
J - Estimated value; detected between the RL and DL
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL

Analytical Results for Polychlorinated Biphenyls
META Environmental, Inc.

Field ID: Soil Blank

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	EPA 3665/3660
		Analysis Method:	EPA 8082
Lab ID	QC100616-SB-H		
File ID:	A062528.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	NA	Decanted:	None
Date Received:	NA		
Date Prepared:	6/16/2010	Sample Size (g):	4.00
Date Cleanup:	6/22/2010	Percent Solid:	100.0%
Date Analyzed:	6/26/2010	Extract Volume (µl):	2000
Instrument:	AMX	Prep DF:	1
Operator:	JAR	Analysis DF:	1
		Injection Volume (µl):	1.00
Batch QC:	QC100616-SB-H		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
PCB AROCLORS					
Aroclor 1016		U	0.005	0.003	
Aroclor 1221		U	0.005	0.003	
Aroclor 1232		U	0.005	0.003	
Aroclor 1242		U	0.005	0.003	
Aroclor 1248		U	0.005	0.003	
Aroclor 1254		U	0.005	0.003	
Aroclor 1260		U	0.005	0.003	
Aroclor 1262		U	0.005	0.003	
Aroclor 1268		U	0.005	0.003	
PCT AROCLORS					
Aroclor 5060		U	0.005	0.003	
Aroclor 5442		U	0.005	0.003	
Aroclor 5460		U	0.005	0.003	

Extraction Surrogate Recoveries (%)		Limits
Tetrachloro-m-xylene	55	50 - 120
Decachlorobiphenyl	67	50 - 120

NA - Not applicable
B - Analyte detected in the Blank
J - Estimated value; detected between the RL and DL
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL

Analytical Results for Polychlorinated Biphenyls
META Environmental, Inc.

Field ID: Soil Blank Spike

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	EPA 3665/3660
		Analysis Method:	EPA 8082
Lab ID	QC100616-SBS2-H		
File ID:	A062529.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	NA	Decanted:	None
Date Received:	NA		
Date Prepared:	6/16/2010	Sample Size (g):	4.00
Date Cleanup:	6/22/2010	Percent Solid:	100.0%
Date Analyzed:	6/26/2010	Extract Volume (µl):	2000
Instrument:	AMX	Prep DF:	1
Operator:	JAR	Analysis DF:	1
		Injection Volume (µl):	1.00
Batch QC:	QC100616-SB-H		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
PCB AROCLORS	Spike Amount				% Recovery
Aroclor 1016	0.250	0.159	0.005	0.003	64
Aroclor 1221		U	0.005	0.003	
Aroclor 1232		U	0.005	0.003	
Aroclor 1242		U	0.005	0.003	
Aroclor 1248		U	0.005	0.003	
Aroclor 1254		U	0.005	0.003	
Aroclor 1260	0.250	0.202	0.005	0.003	81
Aroclor 1262		U	0.005	0.003	
Aroclor 1268		U	0.005	0.003	
PCT AROCLORS					
Aroclor 5060		U	0.005	0.003	
Aroclor 5442		U	0.005	0.003	
Aroclor 5460		U	0.005	0.003	

Extraction Surrogate Recoveries (%)		Limits
Tetrachloro-m-xylene	68	50 - 120
Decachlorobiphenyl	67	50 - 120

NA - Not applicable
B - Analyte detected in the Blank
J - Estimated value; detected between the RL and DL
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL

Analytical Results for Polychlorinated Biphenyls
META Environmental, Inc.

Field ID: Matrix Spike of NAPL D SO-1

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	EPA 3665/3660
		Analysis Method:	EPA 8082
Lab ID	BD100612-08MS-H		
File ID:	A070141.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/16/2010	Sample Size (g):	4.33
Date Cleanup:	6/22/2010	Percent Solid:	44.7%
Date Analyzed:	7/3/2010	Extract Volume (µl):	2000
Instrument:	AMX	Prep DF:	1
Operator:	JAR	Analysis DF:	1
		Injection Volume (µl):	1.00
Batch QC:	QC100616-SB-H		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
PCB AROCLORS	Spike Amount				% Recovery
Aroclor 1016	0.517	0.534	0.010	0.005	103
Aroclor 1221		U	0.010	0.005	
Aroclor 1232		U	0.010	0.005	
Aroclor 1242		U	0.010	0.005	
Aroclor 1248		U	0.010	0.005	
Aroclor 1254		U	0.010	0.005	
Aroclor 1260	0.517	0.583	0.010	0.005	77
Aroclor 1262		U	0.010	0.005	
Aroclor 1268		U	0.010	0.005	
PCT AROCLORS					
Aroclor 5060		U	0.010	0.005	
Aroclor 5442		U	0.010	0.005	
Aroclor 5460		U	0.010	0.005	

Extraction Surrogate Recoveries (%)		Limits
Tetrachloro-m-xylene	79	50 - 120
Decachlorobiphenyl	48	50 - 120

NA - Not applicable
B - Analyte detected in the Blank
J - Estimated value; detected between the RL and DL
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL

Analytical Results for Polychlorinated Biphenyls
META Environmental, Inc.

Field ID: Matrix Spike Duplicate of NAPL D SO-1

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	EPA 3665/3660
		Analysis Method:	EPA 8082
Lab ID	BD100612-08MSD-H		
File ID:	A070142.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/16/2010	Sample Size (g):	3.83
Date Cleanup:	6/22/2010	Percent Solid:	44.7%
Date Analyzed:	7/3/2010	Extract Volume (µl):	2000
Instrument:	AMX	Prep DF:	1
Operator:	JAR	Analysis DF:	1
		Injection Volume (µl):	1.00
Batch QC:	QC100616-SB-H		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments	
PCB AROCLORS	Spike Amount				% Recovery	RPD
Aroclor 1016	0.58	0.57	0.01	0.01	98	7.2
Aroclor 1221		U	0.01	0.01		
Aroclor 1232		U	0.01	0.01		
Aroclor 1242		U	0.01	0.01		
Aroclor 1248		U	0.01	0.01		
Aroclor 1254		U	0.01	0.01		
Aroclor 1260	0.58	0.48	0.01	0.01	50	20.4
Aroclor 1262		U	0.01	0.01		
Aroclor 1268		U	0.01	0.01		
PCT AROCLORS						
Aroclor 5060		U	0.01	0.01		
Aroclor 5442		U	0.01	0.01		
Aroclor 5460		U	0.01	0.01		

Extraction Surrogate Recoveries (%)		Limits
Tetrachloro-m-xylene	64	50 - 120
Decachlorobiphenyl	42	50 - 120

NA - Not applicable
B - Analyte detected in the Blank
J - Estimated value; detected between the RL and DL
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL

Analytical Results for Polychlorinated Biphenyls
META Environmental, Inc.

Field ID: Duplicate of NAPL F SO-1

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	EPA 3665/3660
		Analysis Method:	EPA 8082
Lab ID	BD100612-02DUP-H		
File ID:	A062554.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/16/2010	Sample Size (g):	4.66
Date Cleanup:	6/22/2010	Percent Solid:	82.8%
Date Analyzed:	6/27/2010	Extract Volume (µl):	2000
Instrument:	AMX	Prep DF:	1
Operator:	JAR	Analysis DF:	1
		Injection Volume (µl):	1.00
Batch QC:	QC100616-SB-H		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
PCB AROCLORS					RPD
Aroclor 1016		U	0.005	0.003	NA
Aroclor 1221		U	0.005	0.003	NA
Aroclor 1232		U	0.005	0.003	NA
Aroclor 1242		U	0.005	0.003	NA
Aroclor 1248		U	0.005	0.003	NA
Aroclor 1254		U	0.005	0.003	NA
Aroclor 1260		U	0.005	0.003	NA
Aroclor 1262		U	0.005	0.003	NA
Aroclor 1268		U	0.005	0.003	NA
PCT AROCLORS					
Aroclor 5060		U	0.005	0.003	NA
Aroclor 5442		U	0.005	0.003	NA
Aroclor 5460		U	0.005	0.003	NA

Extraction Surrogate Recoveries (%)		Limits
Tetrachloro-m-xylene	82	50 - 120
Decachlorobiphenyl	92	50 - 120

NA - Not applicable
B - Analyte detected in the Blank
J - Estimated value; detected between the RL and DL
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL

Analytical Results for Polychlorinated Biphenyls
META Environmental, Inc.

Field ID: Method Blank

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3580
Project:	EPEC Polymers Site	Cleanup Method(s):	EPA 3665/3660
		Analysis Method:	EPA 8082
Lab ID	QC100617-MB-H		
File ID:	A062536.D	Matrix:	NAPL
		Preservation:	None
Date Sampled:	NA	Decanted:	None
Date Received:	NA		
Date Prepared:	6/17/2010	Sample Size (g):	0.02
Date Cleanup:	6/17/2010	Percent Solid:	100%
Date Analyzed:	6/26/2010	Extract Volume (µl):	10000
Instrument:	AMX	Prep DF:	1
Operator:	JAR	Analysis DF:	1
		Injection Volume (µl):	1.00
Batch QC:	QC100617-MB-H		

Analyte	Concentration (mg/kg)	RL	EDL	Comments
PCB AROCLORS				
Aroclor 1016	U	5.0	2.5	
Aroclor 1221	U	5.0	2.5	
Aroclor 1232	U	5.0	2.5	
Aroclor 1242	U	5.0	2.5	
Aroclor 1248	U	5.0	2.5	
Aroclor 1254	U	5.0	2.5	
Aroclor 1260	U	5.0	2.5	
Aroclor 1262	U	5.0	2.5	
Aroclor 1268	U	5.0	2.5	
PCT AROCLORS				
Aroclor 5060	U	5.0	2.5	
Aroclor 5442	U	5.0	2.5	
Aroclor 5460	U	5.0	2.5	

Extraction Surrogate Recoveries (%)		Limits
Tetrachloro-m-xylene	107	50 - 120
Decachlorobiphenyl	98	50 - 120

NA - Not applicable
B - Analyte detected in the Blank
J - Estimated value; detected between the RL and DL
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL

Analytical Results for Polychlorinated Biphenyls
META Environmental, Inc.

Field ID: Method Blank Spike

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3580
Project:	EPEC Polymers Site	Cleanup Method(s):	EPA 3665/3660
		Analysis Method:	EPA 8082
Lab ID	QC100617-MBS-H		
File ID:	A062537.D	Matrix:	NAPL
		Preservation:	None
Date Sampled:	NA	Decanted:	None
Date Received:	NA		
Date Prepared:	6/17/2010	Sample Size (g):	0.02
Date Cleanup:	6/17/2010	Percent Solid:	100%
Date Analyzed:	6/26/2010	Extract Volume (µl):	10000
Instrument:	AMX	Prep DF:	1
Operator:	JAR	Analysis DF:	1
		Injection Volume (µl):	1.00
Batch QC:	QC100617-MB-H		

Analyte	Concentration (mg/kg)		RL	EDL	Comments
PCB AROCLORS	Spike Amount				% Recovery
Aroclor 1016	500	422	5.0	2.5	84
Aroclor 1221		U	5.0	2.5	
Aroclor 1232		U	5.0	2.5	
Aroclor 1242		U	5.0	2.5	
Aroclor 1248		U	5.0	2.5	
Aroclor 1254		U	5.0	2.5	
Aroclor 1260	500	466	5.0	2.5	93
Aroclor 1262		U	5.0	2.5	
Aroclor 1268		U	5.0	2.5	
PCT AROCLORS					
Aroclor 5060		U	5.0	2.5	
Aroclor 5442		U	5.0	2.5	
Aroclor 5460		U	5.0	2.5	

Extraction Surrogate Recoveries (%)		Limits
Tetrachloro-m-xylene	97	50 - 120
Decachlorobiphenyl	86	50 - 120

NA - Not applicable
B - Analyte detected in the Blank
J - Estimated value; detected between the RL and DL
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL

Analytical Results for Polychlorinated Biphenyls
META Environmental, Inc.

Field ID: Matrix Spike of NAPL C

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3580
Project:	EPEC Polymers Site	Cleanup Method(s):	EPA 3665/3660
		Analysis Method:	EPA 8082
Lab ID	BD100612-05MS-H		
File ID:	A070135.D	Matrix:	NAPL
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/17/2010	Sample Size (g):	0.02
Date Cleanup:	6/17/2010	Percent Solid:	100%
Date Analyzed:	7/2/2010	Extract Volume (µl):	10000
Instrument:	AMX	Prep DF:	1
Operator:	JAR	Analysis DF:	1
		Injection Volume (µl):	1.00
Batch QC:	QC100617-MB-H		

Analyte	Concentration (mg/kg)		RL	EDL	Comments
PCB AROCLORS	Spike Amount				% Recovery
Aroclor 1016	403	291	4.03	2.02	72
Aroclor 1221		U	4.03	2.02	
Aroclor 1232		U	4.03	2.02	
Aroclor 1242		U	4.03	2.02	
Aroclor 1248		U	4.03	2.02	
Aroclor 1254		U	4.03	2.02	
Aroclor 1260	403	322	4.03	2.02	80
Aroclor 1262		U	4.03	2.02	
Aroclor 1268		U	4.03	2.02	
PCT AROCLORS					
Aroclor 5060		U	4.03	2.02	
Aroclor 5442		U	4.03	2.02	
Aroclor 5460		U	4.03	2.02	

Extraction Surrogate Recoveries (%)		Limits
Tetrachloro-m-xylene	89	50 - 120
Decachlorobiphenyl	77	50 - 120

NA - Not applicable
B - Analyte detected in the Blank
J - Estimated value; detected between the RL and DL
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL

Analytical Results for Polychlorinated Biphenyls
META Environmental, Inc.

Field ID: Soil Blank

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	EPA 3665/3660
		Analysis Method:	EPA 8082
Lab ID	QC100617-SB-H		
File ID:	A062534.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	NA	Decanted:	None
Date Received:	NA		
Date Prepared:	6/17/2010	Sample Size (g):	4.00
Date Cleanup:	6/22/2010	Percent Solid:	100.0%
Date Analyzed:	6/26/2010	Extract Volume (µl):	2000
Instrument:	AMX	Prep DF:	1
Operator:	JAR	Analysis DF:	1
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB-H		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
PCB AROCLORS					
Aroclor 1016		U	0.005	0.003	
Aroclor 1221		U	0.005	0.003	
Aroclor 1232		U	0.005	0.003	
Aroclor 1242		U	0.005	0.003	
Aroclor 1248		U	0.005	0.003	
Aroclor 1254		U	0.005	0.003	
Aroclor 1260		U	0.005	0.003	
Aroclor 1262		U	0.005	0.003	
Aroclor 1268		U	0.005	0.003	
PCT AROCLORS					
Aroclor 5060		U	0.005	0.003	
Aroclor 5442		U	0.005	0.003	
Aroclor 5460		U	0.005	0.003	

Extraction Surrogate Recoveries (%)		Limits
Tetrachloro-m-xylene	89	50 - 120
Decachlorobiphenyl	89	50 - 120

NA - Not applicable
B - Analyte detected in the Blank
J - Estimated value; detected between the RL and DL
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL

Analytical Results for Polychlorinated Biphenyls
META Environmental, Inc.

Field ID: Soil Blank Spike

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	EPA 3665/3660
		Analysis Method:	EPA 8082
Lab ID	QC100617-SBS2-H		
File ID:	A062535.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	NA	Decanted:	None
Date Received:	NA		
Date Prepared:	6/17/2010	Sample Size (g):	4.00
Date Cleanup:	6/22/2010	Percent Solid:	100.0%
Date Analyzed:	6/26/2010	Extract Volume (µl):	2000
Instrument:	AMX	Prep DF:	1
Operator:	JAR	Analysis DF:	1
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB-H		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
PCB AROCLORS	Spike Amount				% Recovery
Aroclor 1016	0.250	0.131	0.005	0.003	52
Aroclor 1221		U	0.005	0.003	
Aroclor 1232		U	0.005	0.003	
Aroclor 1242		U	0.005	0.003	
Aroclor 1248		U	0.005	0.003	
Aroclor 1254		U	0.005	0.003	
Aroclor 1260	0.250	0.169	0.005	0.003	68
Aroclor 1262		U	0.005	0.003	
Aroclor 1268		U	0.005	0.003	
PCT AROCLORS					
Aroclor 5060		U	0.005	0.003	
Aroclor 5442		U	0.005	0.003	
Aroclor 5460		U	0.005	0.003	

Extraction Surrogate Recoveries (%)		Limits
Tetrachloro-m-xylene	69	50 - 120
Decachlorobiphenyl	67	50 - 120

NA - Not applicable
B - Analyte detected in the Blank
J - Estimated value; detected between the RL and DL
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL

Analytical Results for Polychlorinated Biphenyls
META Environmental, Inc.

Field ID: Matrix Spike of HD6-2-2.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	EPA 3665/3660
		Analysis Method:	EPA 8082
Lab ID	BD100616-15MS-H		
File ID:	A070153.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.70
Date Cleanup:	6/22/2010	Percent Solid:	71.6%
Date Analyzed:	7/3/2010	Extract Volume (µl):	2000
Instrument:	AMX	Prep DF:	1
Operator:	JAR	Analysis DF:	1
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB-H		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
PCB AROCLORS	Spike Amount				% Recovery
Aroclor 1016	0.297	0.358	0.006	0.003	120
Aroclor 1221		U	0.006	0.003	
Aroclor 1232		U	0.006	0.003	
Aroclor 1242		U	0.006	0.003	
Aroclor 1248		U	0.006	0.003	
Aroclor 1254		U	0.006	0.003	
Aroclor 1260	0.297	0.210	0.006	0.003	71
Aroclor 1262		U	0.006	0.003	
Aroclor 1268		U	0.006	0.003	
PCT AROCLORS					
Aroclor 5060		U	0.006	0.003	
Aroclor 5442		U	0.006	0.003	
Aroclor 5460		U	0.006	0.003	

Extraction Surrogate Recoveries (%)		Limits
Tetrachloro-m-xylene	71	50 - 120
Decachlorobiphenyl	62	50 - 120

NA - Not applicable
B - Analyte detected in the Blank
J - Estimated value; detected between the RL and DL
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL

Analytical Results for Polychlorinated Biphenyls
META Environmental, Inc.

Field ID: Matrix Spike Duplicate of HD6-2-2.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	EPA 3665/3660
		Analysis Method:	EPA 8082
Lab ID	BD100616-15MSD-H		
File ID:	A070154.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.02
Date Cleanup:	6/22/2010	Percent Solid:	71.6%
Date Analyzed:	7/3/2010	Extract Volume (µl):	2000
Instrument:	AMX	Prep DF:	1
Operator:	JAR	Analysis DF:	1
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB-H		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments	
PCB AROCLORS	Spike Amount				% Recovery	RPD
Aroclor 1016	0.35	0.36	0.01	0.00	103	0.6
Aroclor 1221		U	0.01	0.00		
Aroclor 1232		U	0.01	0.00		
Aroclor 1242		U	0.01	0.00		
Aroclor 1248		U	0.01	0.00		
Aroclor 1254		U	0.01	0.00		
Aroclor 1260	0.35	0.23	0.01	0.00	66	9.1
Aroclor 1262		U	0.01	0.00		
Aroclor 1268		U	0.01	0.00		
PCT AROCLORS						
Aroclor 5060		U	0.01	0.00		
Aroclor 5442		U	0.01	0.00		
Aroclor 5460		U	0.01	0.00		

Extraction Surrogate Recoveries (%)		Limits
Tetrachloro-m-xylene	63	50 - 120
Decachlorobiphenyl	59	50 - 120

NA - Not applicable
B - Analyte detected in the Blank
J - Estimated value; detected between the RL and DL
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL

Analytical Results for Polychlorinated Biphenyls
META Environmental, Inc.

Field ID: Duplicate of CD-05-0-0.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	EPA 3665/3660
		Analysis Method:	EPA 8082
Lab ID	BD100616-01DUP-H-D		
File ID:	A070118.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.09
Date Cleanup:	6/22/2010	Percent Solid:	69.3%
Date Analyzed:	7/2/2010	Extract Volume (µl):	2000
Instrument:	AMX	Prep DF:	1
Operator:	JAR	Analysis DF:	10
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB-H		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
PCB AROCLORS					RPD
Aroclor 1016		U	0.071	0.035	NA
Aroclor 1221		U	0.071	0.035	NA
Aroclor 1232		U	0.071	0.035	NA
Aroclor 1242		U	0.071	0.035	NA
Aroclor 1248	2.7		0.071	0.035	10.1
Aroclor 1254		U	0.071	0.035	NA
Aroclor 1260		U	0.071	0.035	NA
Aroclor 1262		U	0.071	0.035	NA
Aroclor 1268		U	0.071	0.035	NA
PCT AROCLORS					
Aroclor 5060		U	0.071	0.035	NA
Aroclor 5442		U	0.071	0.035	NA
Aroclor 5460		U	0.071	0.035	NA

Extraction Surrogate Recoveries (%)		Limits
Tetrachloro-m-xylene	76	50 - 120
Decachlorobiphenyl	93	50 - 120

NA - Not applicable
B - Analyte detected in the Blank
J - Estimated value; detected between the RL and DL
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL

Analytical Results for Polychlorinated Biphenyls
META Environmental, Inc.

Field ID: Aqueous Blank

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3511
Project:	EPEC Polymers Site	Cleanup Method(s):	EPA 3665/3660
		Analysis Method:	EPA 8082
Lab ID	QC100617-AB2		
File ID:	A062532.D	Matrix:	Water
		Preservation:	None
Date Sampled:	NA	Decanted:	None
Date Received:	NA		
Date Prepared:	6/17/2010	Sample Size (mL):	35.00
Date Cleanup:	NA	Percent Solid:	100%
Date Analyzed:	6/26/2010	Extract Volume (µl):	2000
Instrument:	AMX	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-AB2		

Analyte	Concentration (µg/L)		RL	EDL	Comments
PCB AROCLORS					
Aroclor 1016		U	0.571	0.285	
Aroclor 1221		U	0.571	0.285	
Aroclor 1232		U	0.571	0.285	
Aroclor 1242		U	0.571	0.285	
Aroclor 1248		U	0.571	0.285	
Aroclor 1254		U	0.571	0.285	
Aroclor 1260		U	0.571	0.285	
Aroclor 1262		U	0.571	0.285	
Aroclor 1268		U	0.571	0.285	
PCT AROCLORS					
Aroclor 5060		U	0.571	0.285	
Aroclor 5442		U	0.571	0.285	
Aroclor 5460		U	0.571	0.285	

Extraction Surrogate Recoveries (%)		Limits
Tetrachloro-m-xylene	93	50 - 120
Decachlorobiphenyl	90	50 - 120

NA - Not applicable
B - Analyte detected in the Blank
J - Estimated value; detected between the RL and DL
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL

Analytical Results for Polychlorinated Biphenyls
META Environmental, Inc.

Field ID: Aqueous Blank Spike

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3511
Project:	EPEC Polymers Site	Cleanup Method(s):	EPA 3665/3660
		Analysis Method:	EPA 8082
Lab ID	QC100617-ABS2		
File ID:	A062533.D	Matrix:	Water
		Preservation:	None
Date Sampled:	NA	Decanted:	None
Date Received:	NA		
Date Prepared:	6/17/2010	Sample Size (mL):	35.00
Date Cleanup:	NA	Percent Solid:	100%
Date Analyzed:	6/26/2010	Extract Volume (µl):	2000
Instrument:	AMX	Prep DF:	1
Operator:	JAR	Analysis DF:	1
		Injection Volume (µl):	1.00
Batch QC:	QC100617-AB2		

Analyte	Concentration (µg/L		RL	EDL	Comments
PCB AROCLORS	Spike Amount				% Recovery
Aroclor 1016	57.14	41.2	0.571	0.285	72
Aroclor 1221		U	0.571	0.285	
Aroclor 1232		U	0.571	0.285	
Aroclor 1242		U	0.571	0.285	
Aroclor 1248		U	0.571	0.285	
Aroclor 1254		U	0.571	0.285	
Aroclor 1260	57.14	48.8	0.571	0.285	85
Aroclor 1262		U	0.571	0.285	
Aroclor 1268		U	0.571	0.285	
PCT AROCLORS					
Aroclor 5060		U	0.571	0.285	
Aroclor 5442		U	0.571	0.285	
Aroclor 5460		U	0.571	0.285	

Extraction Surrogate Recoveries (%)		Limits
Tetrachloro-m-xylene	73	50 - 120
Decachlorobiphenyl	74	50 - 120

NA - Not applicable
B - Analyte detected in the Blank
J - Estimated value; detected between the RL and DL
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL

Analytical Results for Polychlorinated Biphenyls
META Environmental, Inc.

Field ID: Matrix Spike Duplicate of NAPL C

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3580
Project:	EPEC Polymers Site	Cleanup Method(s):	EPA 3665/3660
		Analysis Method:	EPA 8082
Lab ID	BD100612-05MSD-H		
File ID:	A070136.D	Matrix:	NAPL
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/17/2010	Sample Size (g):	0.03
Date Cleanup:	6/17/2010	Percent Solid:	100%
Date Analyzed:	7/2/2010	Extract Volume (µl):	10000
Instrument:	AMX	Prep DF:	1
Operator:	JAR	Analysis DF:	1
		Injection Volume (µl):	1.00
Batch QC:	QC100617-MB-H		

Analyte	Concentration (mg/kg)		RL	EDL	Comments	
PCB AROCLORS	Spike Amount				% Recovery	RPD
Aroclor 1016	388	260	3.88	1.94	67	11.3
Aroclor 1221		U	3.88	1.94		
Aroclor 1232		U	3.88	1.94		
Aroclor 1242		U	3.88	1.94		
Aroclor 1248		U	3.88	1.94		
Aroclor 1254		U	3.88	1.94		
Aroclor 1260	388	290	3.88	1.94	75	10.5
Aroclor 1262		U	3.88	1.94		
Aroclor 1268		U	3.88	1.94		
PCT AROCLORS						
Aroclor 5060		U	3.88	1.94		
Aroclor 5442		U	3.88	1.94		
Aroclor 5460		U	3.88	1.94		

Extraction Surrogate Recoveries (%)		Limits
Tetrachloro-m-xylene	84	50 - 120
Decachlorobiphenyl	72	50 - 120

NA - Not applicable
B - Analyte detected in the Blank
J - Estimated value; detected between the RL and DL
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL

Analytical Results for Polychlorinated Biphenyls
META Environmental, Inc.

Field ID: HD-11(2-2.5)

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	EPA 3665/3660
		Analysis Method:	EPA 8082
Lab ID	BD100703-04-H		
File ID:	A071610.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	7/2/2010	Decanted:	None
Date Received:	7/3/2010		
Date Prepared:	7/9/2010	Sample Size (g):	3.99
Date Cleanup:	7/16/2010	Percent Solid:	65%
Date Analyzed:	7/16/2010	Extract Volume (µl):	2000
Instrument:	AMX	Prep DF:	2.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100709-SB-H		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
PCB AROCLORS					
Aroclor 1016		U	0.015	0.008	
Aroclor 1221		U	0.015	0.008	
Aroclor 1232		U	0.015	0.008	
Aroclor 1242		U	0.015	0.008	
Aroclor 1248	0.161		0.015	0.008	
Aroclor 1254	0.108		0.015	0.008	
Aroclor 1260		U	0.015	0.008	
Aroclor 1262		U	0.015	0.008	
Aroclor 1268		U	0.015	0.008	
PCT AROCLORS					
Aroclor 5060		U	0.015	0.008	
Aroclor 5442		U	0.015	0.008	
Aroclor 5460		U	0.015	0.008	

Extraction Surrogate Recoveries (%)		Limits
Tetrachloro-m-xylene	92	50 - 120
Decachlorobiphenyl	86	50 - 120

NA - Not applicable
B - Analyte detected in the Blank
J - Estimated value; detected between the RL and DL
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL

Analytical Results for Polychlorinated Biphenyls
META Environmental, Inc.

Field ID: HD-12(0-0.5)

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	EPA 3665/3660
		Analysis Method:	EPA 8082
Lab ID	BD100703-01-H		
File ID:	A071613.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	7/2/2010	Decanted:	None
Date Received:	7/3/2010		
Date Prepared:	7/9/2010	Sample Size (g):	3.97
Date Cleanup:	7/16/2010	Percent Solid:	66%
Date Analyzed:	7/16/2010	Extract Volume (µl):	2000
Instrument:	AMX	Prep DF:	2.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100709-SB-H		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
PCB AROCLORS				
Aroclor 1016	U	0.015	0.008	
Aroclor 1221	U	0.015	0.008	
Aroclor 1232	U	0.015	0.008	
Aroclor 1242	U	0.015	0.008	
Aroclor 1248	3.95 E	0.015	0.008	
Aroclor 1254	2.47 E	0.015	0.008	
Aroclor 1260	U	0.015	0.008	
Aroclor 1262	U	0.015	0.008	
Aroclor 1268	U	0.015	0.008	
PCT AROCLORS				
Aroclor 5060	U	0.015	0.008	
Aroclor 5442	U	0.015	0.008	
Aroclor 5460	U	0.015	0.008	

Extraction Surrogate Recoveries (%)		Limits
Tetrachloro-m-xylene	99	50 - 120
Decachlorobiphenyl	93	50 - 120

NA - Not applicable
B - Analyte detected in the Blank
J - Estimated value; detected between the RL and DL
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL

Analytical Results for Polychlorinated Biphenyls
META Environmental, Inc.

Field ID: HD-12(2-2.5)

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	EPA 3665/3660
		Analysis Method:	EPA 8082
Lab ID	BD100703-02-H		
File ID:	A071615.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	7/2/2010	Decanted:	None
Date Received:	7/3/2010		
Date Prepared:	7/9/2010	Sample Size (g):	4.55
Date Cleanup:	7/16/2010	Percent Solid:	84%
Date Analyzed:	7/17/2010	Extract Volume (µl):	2000
Instrument:	AMX	Prep DF:	2.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100709-SB-H		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
PCB AROCLORS				
Aroclor 1016	U	0.011	0.005	
Aroclor 1221	U	0.011	0.005	
Aroclor 1232	U	0.011	0.005	
Aroclor 1242	U	0.011	0.005	
Aroclor 1248	1.96 E	0.011	0.005	
Aroclor 1254	1.13 E	0.011	0.005	
Aroclor 1260	U	0.011	0.005	
Aroclor 1262	U	0.011	0.005	
Aroclor 1268	U	0.011	0.005	
PCT AROCLORS				
Aroclor 5060	U	0.011	0.005	
Aroclor 5442	U	0.011	0.005	
Aroclor 5460	U	0.011	0.005	

Extraction Surrogate Recoveries (%)		Limits
Tetrachloro-m-xylene	98	50 - 120
Decachlorobiphenyl	73	50 - 120

NA - Not applicable
B - Analyte detected in the Blank
J - Estimated value; detected between the RL and DL
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL

Analytical Results for Polychlorinated Biphenyls
META Environmental, Inc.

Field ID: HD-11(0-0.5)

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	EPA 3665/3660
		Analysis Method:	EPA 8082
Lab ID	BD100703-03-H		
File ID:	A071616.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	7/2/2010	Decanted:	None
Date Received:	7/3/2010		
Date Prepared:	7/9/2010	Sample Size (g):	4.14
Date Cleanup:	7/16/2010	Percent Solid:	78%
Date Analyzed:	7/17/2010	Extract Volume (µl):	2000
Instrument:	AMX	Prep DF:	2.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100709-SB-H		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
PCB AROCLORS					
Aroclor 1016		U	0.012	0.006	
Aroclor 1221		U	0.012	0.006	
Aroclor 1232		U	0.012	0.006	
Aroclor 1242		U	0.012	0.006	
Aroclor 1248		U	0.012	0.006	
Aroclor 1254		U	0.012	0.006	
Aroclor 1260		U	0.012	0.006	
Aroclor 1262		U	0.012	0.006	
Aroclor 1268		U	0.012	0.006	
PCT AROCLORS					
Aroclor 5060		U	0.012	0.006	
Aroclor 5442		U	0.012	0.006	
Aroclor 5460		U	0.012	0.006	

Extraction Surrogate Recoveries (%)		Limits
Tetrachloro-m-xylene	104	50 - 120
Decachlorobiphenyl	77	50 - 120

NA - Not applicable
B - Analyte detected in the Blank
J - Estimated value; detected between the RL and DL
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL

Analytical Results for Polychlorinated Biphenyls
META Environmental, Inc.

Field ID: Soil Blank

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	EPA 3665/3660
		Analysis Method:	EPA 8082
Lab ID	QC100709-SB-H		
File ID:	A071608.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	NA	Decanted:	None
Date Received:	NA		
Date Prepared:	7/9/2010	Sample Size (g):	4.00
Date Cleanup:	7/16/2010	Percent Solid:	100%
Date Analyzed:	7/16/2010	Extract Volume (µl):	2000
Instrument:	AMX	Prep DF:	2.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100709-SB-H		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
PCB AROCLORS					
Aroclor 1016		U	0.010	0.005	
Aroclor 1221		U	0.010	0.005	
Aroclor 1232		U	0.010	0.005	
Aroclor 1242		U	0.010	0.005	
Aroclor 1248		U	0.010	0.005	
Aroclor 1254		U	0.010	0.005	
Aroclor 1260		U	0.010	0.005	
Aroclor 1262		U	0.010	0.005	
Aroclor 1268		U	0.010	0.005	
PCT AROCLORS					
Aroclor 5060		U	0.010	0.005	
Aroclor 5442		U	0.010	0.005	
Aroclor 5460		U	0.010	0.005	

Extraction Surrogate Recoveries (%)		Limits
Tetrachloro-m-xylene	76	50 - 120
Decachlorobiphenyl	80	50 - 120

NA - Not applicable
B - Analyte detected in the Blank
J - Estimated value; detected between the RL and DL
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL

Analytical Results for Polychlorinated Biphenyls
META Environmental, Inc.

Field ID: Soil Blank Spike

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	EPA 3665/3660
		Analysis Method:	EPA 8082
Lab ID	QC100709-SBS2-H		
File ID:	A071609.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	NA	Decanted:	None
Date Received:	NA		
Date Prepared:	7/9/2010	Sample Size (g):	4.00
Date Cleanup:	7/16/2010	Percent Solid:	100%
Date Analyzed:	7/16/2010	Extract Volume (µl):	2000
Instrument:	AMX	Prep DF:	2.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100709-SB-H		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
PCB AROCLORS	Spike Amount				% Recovery
Aroclor 1016	0.250	0.214	0.010	0.005	86
Aroclor 1221		U	0.010	0.005	
Aroclor 1232		U	0.010	0.005	
Aroclor 1242		U	0.010	0.005	
Aroclor 1248		U	0.010	0.005	
Aroclor 1254		U	0.010	0.005	
Aroclor 1260	0.250	0.269	0.010	0.005	108
Aroclor 1262		U	0.010	0.005	
Aroclor 1268		U	0.010	0.005	
PCT AROCLORS					
Aroclor 5060		U	0.010	0.005	
Aroclor 5442		U	0.010	0.005	
Aroclor 5460		U	0.010	0.005	

Extraction Surrogate Recoveries (%)		Limits
Tetrachloro-m-xylene	90	50 - 120
Decachlorobiphenyl	100	50 - 120

NA - Not applicable
B - Analyte detected in the Blank
J - Estimated value; detected between the RL and DL
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL

Analytical Results for Polychlorinated Biphenyls
META Environmental, Inc.

Field ID: Matrix Spike of HD-11(2-2.5)

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	EPA 3665/3660
		Analysis Method:	EPA 8082
Lab ID	BD100703-04MS-H		
File ID:	A071611.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	7/2/2010	Decanted:	None
Date Received:	7/3/2010		
Date Prepared:	7/9/2010	Sample Size (g):	4.75
Date Cleanup:	7/16/2010	Percent Solid:	65%
Date Analyzed:	7/16/2010	Extract Volume (µl):	2000
Instrument:	AMX	Prep DF:	2.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100709-SB-H		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
PCB AROCLORS	Spike Amount				% Recovery
Aroclor 1016	0.323	0.401	0.013	0.006	124
Aroclor 1221		U	0.013	0.006	
Aroclor 1232		U	0.013	0.006	
Aroclor 1242		U	0.013	0.006	
Aroclor 1248		U	0.013	0.006	
Aroclor 1254		U	0.013	0.006	
Aroclor 1260	0.323	0.454	0.013	0.006	141
Aroclor 1262		U	0.013	0.006	
Aroclor 1268		U	0.013	0.006	
PCT AROCLORS					
Aroclor 5060		U	0.013	0.006	
Aroclor 5442		U	0.013	0.006	
Aroclor 5460		U	0.013	0.006	

Extraction Surrogate Recoveries (%)		Limits
Tetrachloro-m-xylene	130	50 - 120
Decachlorobiphenyl	118	50 - 120

NA - Not applicable
B - Analyte detected in the Blank
J - Estimated value; detected between the RL and DL
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL

Analytical Results for Polychlorinated Biphenyls
META Environmental, Inc.

Field ID: Matrix Spike Duplicate of HD-11(2-2.5)

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	EPA 3665/3660
		Analysis Method:	EPA 8082
Lab ID	BD100703-04MSD-H		
File ID:	A071612.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	7/2/2010	Decanted:	None
Date Received:	7/3/2010		
Date Prepared:	7/9/2010	Sample Size (g):	4.26
Date Cleanup:	7/16/2010	Percent Solid:	65%
Date Analyzed:	7/16/2010	Extract Volume (µl):	2000
Instrument:	AMX	Prep DF:	2.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100709-SB-H		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments	
PCB AROCLORS	Spike Amount				% Recovery	RPD
Aroclor 1016	0.36	0.44	0.01	0.01	123	10.2
Aroclor 1221		U	0.01	0.01		
Aroclor 1232		U	0.01	0.01		
Aroclor 1242		U	0.01	0.01		
Aroclor 1248		U	0.01	0.01		
Aroclor 1254		U	0.01	0.01		
Aroclor 1260	0.36	0.47	0.01	0.01	131	4.1
Aroclor 1262		U	0.01	0.01		
Aroclor 1268		U	0.01	0.01		
PCT AROCLORS						
Aroclor 5060		U	0.01	0.01		
Aroclor 5442		U	0.01	0.01		
Aroclor 5460		U	0.01	0.01		

Extraction Surrogate Recoveries (%)		Limits
Tetrachloro-m-xylene	121	50 - 120
Decachlorobiphenyl	111	50 - 120

NA - Not applicable
B - Analyte detected in the Blank
J - Estimated value; detected between the RL and DL
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL

Analytical Results for Polychlorinated Biphenyls
META Environmental, Inc.

Field ID: Duplicate of HD-12(0-0.5)

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	EPA 3665/3660
		Analysis Method:	EPA 8082
Lab ID	BD100703-01DUP-H		
File ID:	A071614.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	7/2/2010	Decanted:	None
Date Received:	7/3/2010		
Date Prepared:	7/9/2010	Sample Size (g):	4.30
Date Cleanup:	7/16/2010	Percent Solid:	66%
Date Analyzed:	7/17/2010	Extract Volume (µl):	2000
Instrument:	AMX	Prep DF:	2.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100709-SB-H		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
PCB AROCLORS				RPD
Aroclor 1016	U	0.014	0.007	NA
Aroclor 1221	U	0.014	0.007	NA
Aroclor 1232	U	0.014	0.007	NA
Aroclor 1242	U	0.014	0.007	NA
Aroclor 1248	2.83 E	0.014	0.007	33
Aroclor 1254	1.99 E	0.014	0.007	21.5
Aroclor 1260	U	0.014	0.007	NA
Aroclor 1262	U	0.014	0.007	NA
Aroclor 1268	U	0.014	0.007	NA
PCT AROCLORS				
Aroclor 5060	U	0.014	0.007	NA
Aroclor 5442	U	0.014	0.007	NA
Aroclor 5460	U	0.014	0.007	NA

Extraction Surrogate Recoveries (%)		Limits
Tetrachloro-m-xylene	81	50 - 120
Decachlorobiphenyl	57	50 - 120

NA - Not applicable
B - Analyte detected in the Blank
J - Estimated value; detected between the RL and DL
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL

Analytical Results for Polychlorinated Biphenyls
META Environmental, Inc.

Field ID: FB070210

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3511
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8082
Lab ID	BD100703-05-H		
File ID:	A071607.D	Matrix:	Water
		Preservation:	None
Date Sampled:	7/2/2010	Decanted:	None
Date Received:	7/3/2010		
Date Prepared:	7/9/2010	Sample Size (g):	36.13
Date Cleanup:	NA	Percent Solid:	100%
Date Analyzed:	7/16/2010	Extract Volume (µl):	2000
Instrument:	AMX	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100709-AB		

Analyte	Concentration (µg/kg dry wt.)		RL	EDL	Comments
PCB AROCLORS					
Aroclor 1016		U	0.554	0.277	
Aroclor 1221		U	0.554	0.277	
Aroclor 1232		U	0.554	0.277	
Aroclor 1242		U	0.554	0.277	
Aroclor 1248		U	0.554	0.277	
Aroclor 1254		U	0.554	0.277	
Aroclor 1260		U	0.554	0.277	
Aroclor 1262		U	0.554	0.277	
Aroclor 1268		U	0.554	0.277	
PCT AROCLORS					
Aroclor 5060		U	0.554	0.277	
Aroclor 5442		U	0.554	0.277	
Aroclor 5460		U	0.554	0.277	

Extraction Surrogate Recoveries (%)		Limits
Tetrachloro-m-xylene	94	50 - 120
Decachlorobiphenyl	100	50 - 120

NA - Not applicable
B - Analyte detected in the Blank
J - Estimated value; detected between the RL and DL
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL

Analytical Results for Polychlorinated Biphenyls
META Environmental, Inc.

Field ID: Aqueous Blank

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3511
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8082
Lab ID	QC100709-AB		
File ID:	A071605.D	Matrix:	Water
		Preservation:	None
Date Sampled:	NA	Decanted:	None
Date Received:	NA		
Date Prepared:	7/9/2010	Sample Size (g):	35.00
Date Cleanup:	NA	Percent Solid:	100%
Date Analyzed:	7/16/2010	Extract Volume (µl):	2000
Instrument:	AMX	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100709-AB		

Analyte	Concentration (µg/kg dry wt.)		RL	EDL	Comments
PCB AROCLORS					
Aroclor 1016		U	0.571	0.285	
Aroclor 1221		U	0.571	0.285	
Aroclor 1232		U	0.571	0.285	
Aroclor 1242		U	0.571	0.285	
Aroclor 1248		U	0.571	0.285	
Aroclor 1254		U	0.571	0.285	
Aroclor 1260		U	0.571	0.285	
Aroclor 1262		U	0.571	0.285	
Aroclor 1268		U	0.571	0.285	
PCT AROCLORS					
Aroclor 5060		U	0.571	0.285	
Aroclor 5442		U	0.571	0.285	
Aroclor 5460		U	0.571	0.285	

Extraction Surrogate Recoveries (%)		Limits
Tetrachloro-m-xylene	80	50 - 120
Decachlorobiphenyl	78	50 - 120

NA - Not applicable
B - Analyte detected in the Blank
J - Estimated value; detected between the RL and DL
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL

Analytical Results for Polychlorinated Biphenyls
META Environmental, Inc.

Field ID: Aqueous Blank Spike

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3511
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8082
Lab ID	QC100709-ABS-H		
File ID:	A071606.D	Matrix:	Water
		Preservation:	None
Date Sampled:	NA	Decanted:	None
Date Received:	NA		
Date Prepared:	7/9/2010	Sample Size (g):	35.00
Date Cleanup:	NA	Percent Solid:	100%
Date Analyzed:	7/16/2010	Extract Volume (µl):	2000
Instrument:	AMX	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100709-AB		

Analyte	Concentration (µg/kg dry wt.)		RL	EDL	Comments
PCB AROCLORS	Spike Amount				% Recovery
Aroclor 1016	28.57	29.4	0.571	0.285	103
Aroclor 1221		U	0.571	0.285	
Aroclor 1232		U	0.571	0.285	
Aroclor 1242		U	0.571	0.285	
Aroclor 1248		U	0.571	0.285	
Aroclor 1254		U	0.571	0.285	
Aroclor 1260	28.57	34.7	0.571	0.285	121
Aroclor 1262		U	0.571	0.285	
Aroclor 1268		U	0.571	0.285	
PCT AROCLORS					
Aroclor 5060		U	0.571	0.285	
Aroclor 5442		U	0.571	0.285	
Aroclor 5460		U	0.571	0.285	

Extraction Surrogate Recoveries (%)		Limits
Tetrachloro-m-xylene	102	50 - 120
Decachlorobiphenyl	97	50 - 120

NA - Not applicable
B - Analyte detected in the Blank
J - Estimated value; detected between the RL and DL
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL

Appendix G

Volatile and Semivolatile Organic Compounds

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: NAPL B

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3580
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-03		
File ID:	D070223.D	Matrix:	NAPL
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/16/2010	Sample Size (g):	0.0209
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	7/3/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-MB		

Analyte	Concentration (mg/kg)	RL	EDL	Comments
VOC & SVOC COMPOUNDS:				
cis-1,2-Dichloroethene	U	95.7	47.8	
2,2-Dichloropropane	U	95.7	47.8	
Chloroform	U	95.7	47.8	
1,1,1-Trichloroethane	U	95.7	47.8	
1,2-Dichloroethane	U	95.7	47.8	
1,1-Dichloropropene	U	95.7	47.8	
Benzene	U	95.7	47.8	
Carbon Tetrachloride	U	95.7	47.8	
1,2-Dichloropropane	U	95.7	47.8	
Trichloroethene	U	95.7	47.8	
Dibromomethane	U	95.7	47.8	
Bromodichloromethane	U	95.7	47.8	
Pyridine	U	95.7	47.8	
cis-1,3-Dichloropropene	U	95.7	47.8	
N-nitrosodimethylamine	U	95.7	47.8	
Toluene	U	95.7	47.8	
trans-1,3-Dichloropropene	U	95.7	47.8	
1,1,2-Trichloroethane	U	95.7	47.8	
1,3-Dichloropropane	U	95.7	47.8	
Dibromochloromethane	U	95.7	47.8	
1,2-Dibromoethane	U	95.7	47.8	
Tetrachloroethene	U	95.7	47.8	
Chlorobenzene	U	95.7	47.8	
1,1,1,2-Tetrachloroethane	U	95.7	47.8	
Ethylbenzene	U	95.7	47.8	
m/p-Xylenes	U	95.7	47.8	
Bromoform	U	95.7	47.8	
Styrene	U	95.7	47.8	
o-Xylene	U	95.7	47.8	
1,1,2,2-Tetrachloroethane	U	95.7	47.8	
1,2,3-Trichloropropane	U	95.7	47.8	
Isopropylbenzene	U	95.7	47.8	
Bromobenzene	U	95.7	47.8	
2-Chlorotoluene	U	95.7	47.8	
n-Propylbenzene	U	95.7	47.8	
4-Chlorotoluene	U	95.7	47.8	
1,3,5-Trimethylbenzene	U	95.7	47.8	
tert-Butylbenzene	U	95.7	47.8	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: NAPL B

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3580
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-03		
File ID:	D070223.D	Matrix:	NAPL
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/16/2010	Sample Size (g):	0.0209
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	7/3/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-MB		

Analyte	Concentration (mg/kg)		RL	EDL	Comments
1,2,4-Trimethylbenzene		U	95.7	47.8	
sec-Butylbenzene		U	95.7	47.8	
Phenol		U	95.7	47.8	
bis(2-Chloroethyl)ether		U	95.7	47.8	
Aniline		U	95.7	47.8	
2-Chlorophenol		U	95.7	47.8	
1,3-Dichlorobenzene		U	95.7	47.8	
1,4-Dichlorobenzene		U	95.7	47.8	
p-Isopropyltoluene		U	95.7	47.8	
Benzyl Alcohol		U	95.7	47.8	
2-Methylphenol (m-cresol)		U	95.7	47.8	
1,2-Dichlorobenzene		U	95.7	47.8	
3,4-Methylphenol (o,p-cresol)		U	95.7	47.8	
bis(2-chloroisopropyl)ether		U	95.7	47.8	
n-Butylbenzene		U	95.7	47.8	
N-nitroso-di-n-propylamine		U	95.7	47.8	
Hexachloroethane		U	95.7	47.8	
1,2-Dibromo-3-Chloropropane		U	95.7	47.8	
Nitrobenzene		U	95.7	47.8	
Isophorone		U	95.7	47.8	
2-Nitrophenol		U	95.7	47.8	
2,4-Dimethylphenol		U	95.7	47.8	
bis(2-Chloroethoxy)methane		U	95.7	47.8	
1,2,4-Trichlorobenzene		U	95.7	47.8	
Naphthalene		U	95.7	47.8	
2,4-Dichlorophenol		U	95.7	47.8	
4-Chloroaniline		U	95.7	47.8	
Hexachlorobutadiene		U	95.7	47.8	
1,2,3-Trichlorobenzene		U	95.7	47.8	
4-Chloro-3-methylphenol		U	95.7	47.8	
2-Methylnaphthalene	109		95.7	47.8	
1-Methylnaphthalene	169		95.7	47.8	
Hexachlorocyclopentadiene		U	95.7	47.8	
2,4,6-Trichlorophenol		U	95.7	47.8	
2,4,5-Trichlorophenol		U	95.7	47.8	
Diphenylamine		U	95.7	47.8	
Azobenzene		U	95.7	47.8	
2-Chloronaphthalene		U	95.7	47.8	
2-Nitroaniline		U	95.7	47.8	
1,4-Dinitrobenzene		U	95.7	47.8	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: NAPL B

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3580
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-03		
File ID:	D070223.D	Matrix:	NAPL
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/16/2010	Sample Size (g):	0.0209
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	7/3/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-MB		

Analyte	Concentration (mg/kg)		RL	EDL	Comments
Dimethylphthalate		U	95.7	47.8	
1,3-Dinitrobenzene		U	95.7	47.8	
Acenaphthylene		U	95.7	47.8	
2,6-dinitrotoluene		U	95.7	47.8	
1,2-Dinitrobenzene		U	95.7	47.8	
3-Nitroaniline		U	95.7	47.8	
Acenaphthene		U	95.7	47.8	
2,4-Dinitrophenol		U	95.7	47.8	
4-Nitrophenol		U	95.7	47.8	
Dibenzofuran		U	95.7	47.8	
2,4-dinitrotoluene		U	95.7	47.8	
2,3,4,6-Tetrachlorophenol		U	95.7	47.8	
2,3,5,6-Tetrachlorophenol		U	95.7	47.8	
Diethylphthalate		U	95.7	47.8	
4-Chlorophenyl-phenylether		U	95.7	47.8	
Fluorene	81.2	J	95.7	47.8	
4-Nitroaniline		U	95.7	47.8	
4,6-Dinitro-2-methylphenol		U	95.7	47.8	
n-Nitrosodiphenylamine		U	95.7	47.8	
4-Bromophenyl phenyl ether		U	95.7	47.8	
Hexachlorobenzene		U	95.7	47.8	
Pentachlorophenol		U	95.7	47.8	
Phenanthrene	182		95.7	47.8	
Anthracene	54.7	J	95.7	47.8	
Carbazole		U	95.7	47.8	
Di-n-butylphthalate		U	95.7	47.8	
Bis(2-ethylhexyl) adipate		U	95.7	47.8	
Fluoranthene		U	95.7	47.8	
Pyrene	242		95.7	47.8	
Butylbenzylphthalate		U	95.7	47.8	
Benz[a]anthracene		U	95.7	47.8	
Chrysene	64.2	J	95.7	47.8	
bis(2-Ethylhexyl)phthalate	127		95.7	47.8	
Di-n-octylphthalate		U	95.7	47.8	
Benzo[b]fluoranthene		U	95.7	47.8	
Benzo[k]fluoranthene		U	95.7	47.8	
Benzo[a]pyrene		U	95.7	47.8	
Indeno[1,2,3-cd]pyrene		U	95.7	47.8	
Dibenz[a,h]anthracene		U	95.7	47.8	
Benzo[g,h,i]perylene		U	95.7	47.8	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: NAPL B

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3580
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-03		
File ID:	D070223.D	Matrix:	NAPL
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/16/2010	Sample Size (g):	0.0209
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	7/3/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-MB		

Analyte	Concentration (mg/kg)	RL	EDL	Comments
Extraction Surrogate Recoveries (%)		Limits		
Toluene-d8	107	50 - 120		
4-Bromofluorobenzene	116	50 - 120		
2-Fluorophenol	110	50 - 120		
Phenol-d5	118	50 - 120		
Nitrobenzene-d5	108	50 - 120		
2-Fluorobiphenyl	99	50 - 120		
2,4,6-Tribromophenol	124	50 - 120		
p-Terphenyl-d14	87	50 - 120		

NA - Not applicable.
B - Analyte detected in the Blank.
J - Estimated value; detected between the RL and DL.
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: NAPL F

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3580
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-01		
File ID:	D070222.D	Matrix:	NAPL
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/16/2010	Sample Size (g):	0.0223
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	7/3/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-MB		

Analyte	Concentration (mg/kg)	RL	EDL	Comments
VOC & SVOC COMPOUNDS:				
cis-1,2-Dichloroethene	U	89.7	44.8	
2,2-Dichloropropane	U	89.7	44.8	
Chloroform	U	89.7	44.8	
1,1,1-Trichloroethane	U	89.7	44.8	
1,2-Dichloroethane	U	89.7	44.8	
1,1-Dichloropropene	U	89.7	44.8	
Benzene	U	89.7	44.8	
Carbon Tetrachloride	U	89.7	44.8	
1,2-Dichloropropane	U	89.7	44.8	
Trichloroethene	U	89.7	44.8	
Dibromomethane	U	89.7	44.8	
Bromodichloromethane	U	89.7	44.8	
Pyridine	U	89.7	44.8	
cis-1,3-Dichloropropene	U	89.7	44.8	
N-nitrosodimethylamine	U	89.7	44.8	
Toluene	U	89.7	44.8	
trans-1,3-Dichloropropene	U	89.7	44.8	
1,1,2-Trichloroethane	U	89.7	44.8	
1,3-Dichloropropane	U	89.7	44.8	
Dibromochloromethane	U	89.7	44.8	
1,2-Dibromoethane	U	89.7	44.8	
Tetrachloroethene	U	89.7	44.8	
Chlorobenzene	U	89.7	44.8	
1,1,1,2-Tetrachloroethane	U	89.7	44.8	
Ethylbenzene	U	89.7	44.8	
m/p-Xylenes	U	89.7	44.8	
Bromoform	U	89.7	44.8	
Styrene	U	89.7	44.8	
o-Xylene	U	89.7	44.8	
1,1,2,2-Tetrachloroethane	U	89.7	44.8	
1,2,3-Trichloropropane	U	89.7	44.8	
Isopropylbenzene	U	89.7	44.8	
Bromobenzene	U	89.7	44.8	
2-Chlorotoluene	U	89.7	44.8	
n-Propylbenzene	U	89.7	44.8	
4-Chlorotoluene	U	89.7	44.8	
1,3,5-Trimethylbenzene	U	89.7	44.8	
tert-Butylbenzene	U	89.7	44.8	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: NAPL F

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3580
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-01		
File ID:	D070222.D	Matrix:	NAPL
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/16/2010	Sample Size (g):	0.0223
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	7/3/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-MB		

Analyte	Concentration (mg/kg)		RL	EDL	Comments
1,2,4-Trimethylbenzene		U	89.7	44.8	
sec-Butylbenzene		U	89.7	44.8	
Phenol		U	89.7	44.8	
bis(2-Chloroethyl)ether		U	89.7	44.8	
Aniline		U	89.7	44.8	
2-Chlorophenol		U	89.7	44.8	
1,3-Dichlorobenzene		U	89.7	44.8	
1,4-Dichlorobenzene		U	89.7	44.8	
p-Isopropyltoluene		U	89.7	44.8	
Benzyl Alcohol		U	89.7	44.8	
2-Methylphenol (m-cresol)		U	89.7	44.8	
1,2-Dichlorobenzene		U	89.7	44.8	
3,4-Methylphenol (o,p-cresol)		U	89.7	44.8	
bis(2-chloroisopropyl)ether		U	89.7	44.8	
n-Butylbenzene		U	89.7	44.8	
N-nitroso-di-n-propylamine		U	89.7	44.8	
Hexachloroethane		U	89.7	44.8	
1,2-Dibromo-3-Chloropropane		U	89.7	44.8	
Nitrobenzene		U	89.7	44.8	
Isophorone		U	89.7	44.8	
2-Nitrophenol		U	89.7	44.8	
2,4-Dimethylphenol		U	89.7	44.8	
bis(2-Chloroethoxy)methane		U	89.7	44.8	
1,2,4-Trichlorobenzene		U	89.7	44.8	
Naphthalene		U	89.7	44.8	
2,4-Dichlorophenol		U	89.7	44.8	
4-Chloroaniline		U	89.7	44.8	
Hexachlorobutadiene		U	89.7	44.8	
1,2,3-Trichlorobenzene		U	89.7	44.8	
4-Chloro-3-methylphenol		U	89.7	44.8	
2-Methylnaphthalene	174		89.7	44.8	
1-Methylnaphthalene	146		89.7	44.8	
Hexachlorocyclopentadiene		U	89.7	44.8	
2,4,6-Trichlorophenol		U	89.7	44.8	
2,4,5-Trichlorophenol		U	89.7	44.8	
Diphenylamine		U	89.7	44.8	
Azobenzene		U	89.7	44.8	
2-Chloronaphthalene		U	89.7	44.8	
2-Nitroaniline		U	89.7	44.8	
1,4-Dinitrobenzene		U	89.7	44.8	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: NAPL F

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3580
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-01		
File ID:	D070222.D	Matrix:	NAPL
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/16/2010	Sample Size (g):	0.0223
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	7/3/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-MB		

Analyte	Concentration (mg/kg)		RL	EDL	Comments
Dimethylphthalate		U	89.7	44.8	
1,3-Dinitrobenzene		U	89.7	44.8	
Acenaphthylene		U	89.7	44.8	
2,6-dinitrotoluene		U	89.7	44.8	
1,2-Dinitrobenzene		U	89.7	44.8	
3-Nitroaniline		U	89.7	44.8	
Acenaphthene		U	89.7	44.8	
2,4-Dinitrophenol		U	89.7	44.8	
4-Nitrophenol		U	89.7	44.8	
Dibenzofuran		U	89.7	44.8	
2,4-dinitrotoluene		U	89.7	44.8	
2,3,4,6-Tetrachlorophenol		U	89.7	44.8	
2,3,5,6-Tetrachlorophenol		U	89.7	44.8	
Diethylphthalate		U	89.7	44.8	
4-Chlorophenyl-phenylether		U	89.7	44.8	
Fluorene	49.2	J	89.7	44.8	
4-Nitroaniline		U	89.7	44.8	
4,6-Dinitro-2-methylphenol		U	89.7	44.8	
n-Nitrosodiphenylamine		U	89.7	44.8	
4-Bromophenyl phenyl ether		U	89.7	44.8	
Hexachlorobenzene		U	89.7	44.8	
Pentachlorophenol		U	89.7	44.8	
Phenanthrene	145		89.7	44.8	
Anthracene		U	89.7	44.8	
Carbazole		U	89.7	44.8	
Di-n-butylphthalate		U	89.7	44.8	
Bis(2-ethylhexyl) adipate		U	89.7	44.8	
Fluoranthene		U	89.7	44.8	
Pyrene	213		89.7	44.8	
Butylbenzylphthalate		U	89.7	44.8	
Benz[a]anthracene		U	89.7	44.8	
Chrysene	58.9	J	89.7	44.8	
bis(2-Ethylhexyl)phthalate		U	89.7	44.8	
Di-n-octylphthalate		U	89.7	44.8	
Benzo[b]fluoranthene		U	89.7	44.8	
Benzo[k]fluoranthene		U	89.7	44.8	
Benzo[a]pyrene		U	89.7	44.8	
Indeno[1,2,3-cd]pyrene		U	89.7	44.8	
Dibenz[a,h]anthracene		U	89.7	44.8	
Benzo[g,h,i]perylene		U	89.7	44.8	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: NAPL F

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3580
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-01		
File ID:	D070222.D	Matrix:	NAPL
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/16/2010	Sample Size (g):	0.0223
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	7/3/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-MB		

Analyte	Concentration (mg/kg)	RL	EDL	Comments
Extraction Surrogate Recoveries (%)		Limits		
Toluene-d8	105	50 - 120		
4-Bromofluorobenzene	113	50 - 120		
2-Fluorophenol	108	50 - 120		
Phenol-d5	111	50 - 120		
Nitrobenzene-d5	109	50 - 120		
2-Fluorobiphenyl	98	50 - 120		
2,4,6-Tribromophenol	122	50 - 120		
p-Terphenyl-d14	85	50 - 120		

NA - Not applicable.
B - Analyte detected in the Blank.
J - Estimated value; detected between the RL and DL.
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: NAPL C

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3580
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-05		
File ID:	D070226.D	Matrix:	NAPL
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/16/2010	Sample Size (g):	0.0259
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	7/3/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-MB		

Analyte	Concentration (mg/kg)	RL	EDL	Comments
VOC & SVOC COMPOUNDS:				
cis-1,2-Dichloroethene	U	77.2	38.6	
2,2-Dichloropropane	U	77.2	38.6	
Chloroform	U	77.2	38.6	
1,1,1-Trichloroethane	U	77.2	38.6	
1,2-Dichloroethane	U	77.2	38.6	
1,1-Dichloropropene	U	77.2	38.6	
Benzene	U	77.2	38.6	
Carbon Tetrachloride	U	77.2	38.6	
1,2-Dichloropropane	U	77.2	38.6	
Trichloroethene	U	77.2	38.6	
Dibromomethane	U	77.2	38.6	
Bromodichloromethane	U	77.2	38.6	
Pyridine	U	77.2	38.6	
cis-1,3-Dichloropropene	U	77.2	38.6	
N-nitrosodimethylamine	U	77.2	38.6	
Toluene	U	77.2	38.6	
trans-1,3-Dichloropropene	U	77.2	38.6	
1,1,2-Trichloroethane	U	77.2	38.6	
1,3-Dichloropropane	U	77.2	38.6	
Dibromochloromethane	U	77.2	38.6	
1,2-Dibromoethane	U	77.2	38.6	
Tetrachloroethene	U	77.2	38.6	
Chlorobenzene	U	77.2	38.6	
1,1,1,2-Tetrachloroethane	U	77.2	38.6	
Ethylbenzene	U	77.2	38.6	
m/p-Xylenes	U	77.2	38.6	
Bromoform	U	77.2	38.6	
Styrene	U	77.2	38.6	
o-Xylene	U	77.2	38.6	
1,1,2,2-Tetrachloroethane	U	77.2	38.6	
1,2,3-Trichloropropane	U	77.2	38.6	
Isopropylbenzene	U	77.2	38.6	
Bromobenzene	U	77.2	38.6	
2-Chlorotoluene	U	77.2	38.6	
n-Propylbenzene	U	77.2	38.6	
4-Chlorotoluene	U	77.2	38.6	
1,3,5-Trimethylbenzene	U	77.2	38.6	
tert-Butylbenzene	U	77.2	38.6	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: NAPL C

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3580
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-05		
File ID:	D070226.D	Matrix:	NAPL
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/16/2010	Sample Size (g):	0.0259
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	7/3/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-MB		

Analyte	Concentration (mg/kg)		RL	EDL	Comments
1,2,4-Trimethylbenzene		U	77.2	38.6	
sec-Butylbenzene		U	77.2	38.6	
Phenol		U	77.2	38.6	
bis(2-Chloroethyl)ether		U	77.2	38.6	
Aniline		U	77.2	38.6	
2-Chlorophenol		U	77.2	38.6	
1,3-Dichlorobenzene		U	77.2	38.6	
1,4-Dichlorobenzene		U	77.2	38.6	
p-Isopropyltoluene		U	77.2	38.6	
Benzyl Alcohol		U	77.2	38.6	
2-Methylphenol (m-cresol)		U	77.2	38.6	
1,2-Dichlorobenzene		U	77.2	38.6	
3,4-Methylphenol (o,p-cresol)		U	77.2	38.6	
bis(2-chloroisopropyl)ether		U	77.2	38.6	
n-Butylbenzene		U	77.2	38.6	
N-nitroso-di-n-propylamine		U	77.2	38.6	
Hexachloroethane		U	77.2	38.6	
1,2-Dibromo-3-Chloropropane		U	77.2	38.6	
Nitrobenzene		U	77.2	38.6	
Isophorone		U	77.2	38.6	
2-Nitrophenol		U	77.2	38.6	
2,4-Dimethylphenol		U	77.2	38.6	
bis(2-Chloroethoxy)methane		U	77.2	38.6	
1,2,4-Trichlorobenzene		U	77.2	38.6	
Naphthalene		U	77.2	38.6	
2,4-Dichlorophenol		U	77.2	38.6	
4-Chloroaniline		U	77.2	38.6	
Hexachlorobutadiene		U	77.2	38.6	
1,2,3-Trichlorobenzene		U	77.2	38.6	
4-Chloro-3-methylphenol		U	77.2	38.6	
2-Methylnaphthalene	184		77.2	38.6	
1-Methylnaphthalene	187		77.2	38.6	
Hexachlorocyclopentadiene		U	77.2	38.6	
2,4,6-Trichlorophenol		U	77.2	38.6	
2,4,5-Trichlorophenol		U	77.2	38.6	
Diphenylamine		U	77.2	38.6	
Azobenzene		U	77.2	38.6	
2-Chloronaphthalene		U	77.2	38.6	
2-Nitroaniline		U	77.2	38.6	
1,4-Dinitrobenzene		U	77.2	38.6	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: NAPL C

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3580
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-05		
File ID:	D070226.D	Matrix:	NAPL
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/16/2010	Sample Size (g):	0.0259
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	7/3/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-MB		

Analyte	Concentration (mg/kg)		RL	EDL	Comments
Dimethylphthalate		U	77.2	38.6	
1,3-Dinitrobenzene		U	77.2	38.6	
Acenaphthylene		U	77.2	38.6	
2,6-dinitrotoluene		U	77.2	38.6	
1,2-Dinitrobenzene		U	77.2	38.6	
3-Nitroaniline		U	77.2	38.6	
Acenaphthene		U	77.2	38.6	
2,4-Dinitrophenol		U	77.2	38.6	
4-Nitrophenol		U	77.2	38.6	
Dibenzofuran		U	77.2	38.6	
2,4-dinitrotoluene		U	77.2	38.6	
2,3,4,6-Tetrachlorophenol		U	77.2	38.6	
2,3,5,6-Tetrachlorophenol		U	77.2	38.6	
Diethylphthalate		U	77.2	38.6	
4-Chlorophenyl-phenylether		U	77.2	38.6	
Fluorene	56.6	J	77.2	38.6	
4-Nitroaniline		U	77.2	38.6	
4,6-Dinitro-2-methylphenol		U	77.2	38.6	
n-Nitrosodiphenylamine		U	77.2	38.6	
4-Bromophenyl phenyl ether		U	77.2	38.6	
Hexachlorobenzene		U	77.2	38.6	
Pentachlorophenol		U	77.2	38.6	
Phenanthrene	169		77.2	38.6	
Anthracene		U	77.2	38.6	
Carbazole		U	77.2	38.6	
Di-n-butylphthalate		U	77.2	38.6	
Bis(2-ethylhexyl) adipate		U	77.2	38.6	
Fluoranthene		U	77.2	38.6	
Pyrene	151		77.2	38.6	
Butylbenzylphthalate		U	77.2	38.6	
Benz[a]anthracene		U	77.2	38.6	
Chrysene	40.0	J	77.2	38.6	
bis(2-Ethylhexyl)phthalate	90.2		77.2	38.6	
Di-n-octylphthalate		U	77.2	38.6	
Benzo[b]fluoranthene		U	77.2	38.6	
Benzo[k]fluoranthene		U	77.2	38.6	
Benzo[a]pyrene		U	77.2	38.6	
Indeno[1,2,3-cd]pyrene		U	77.2	38.6	
Dibenz[a,h]anthracene		U	77.2	38.6	
Benzo[g,h,i]perylene		U	77.2	38.6	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: NAPL C

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3580
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-05		
File ID:	D070226.D	Matrix:	NAPL
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/16/2010	Sample Size (g):	0.0259
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	7/3/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-MB		

Analyte	Concentration (mg/kg)	RL	EDL	Comments
Extraction Surrogate Recoveries (%)		Limits		
Toluene-d8	105	50 - 120		
4-Bromofluorobenzene	118	50 - 120		
2-Fluorophenol	109	50 - 120		
Phenol-d5	116	50 - 120		
Nitrobenzene-d5	107	50 - 120		
2-Fluorobiphenyl	99	50 - 120		
2,4,6-Tribromophenol	129	50 - 120		
p-Terphenyl-d14	88	50 - 120		

NA - Not applicable.
B - Analyte detected in the Blank.
J - Estimated value; detected between the RL and DL.
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: NAPL D

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3580
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-07		
File ID:	D070227.D	Matrix:	NAPL
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/16/2010	Sample Size (g):	0.0252
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	7/3/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-MB		

Analyte	Concentration (mg/kg)		RL	EDL	Comments
VOC & SVOC COMPOUNDS:					
cis-1,2-Dichloroethene		U	79.4	39.7	
2,2-Dichloropropane		U	79.4	39.7	
Chloroform		U	79.4	39.7	
1,1,1-Trichloroethane		U	79.4	39.7	
1,2-Dichloroethane		U	79.4	39.7	
1,1-Dichloropropene		U	79.4	39.7	
Benzene		U	79.4	39.7	
Carbon Tetrachloride		U	79.4	39.7	
1,2-Dichloropropane		U	79.4	39.7	
Trichloroethene		U	79.4	39.7	
Dibromomethane		U	79.4	39.7	
Bromodichloromethane		U	79.4	39.7	
Pyridine		U	79.4	39.7	
cis-1,3-Dichloropropene		U	79.4	39.7	
N-nitrosodimethylamine		U	79.4	39.7	
Toluene		U	79.4	39.7	
trans-1,3-Dichloropropene		U	79.4	39.7	
1,1,2-Trichloroethane		U	79.4	39.7	
1,3-Dichloropropane		U	79.4	39.7	
Dibromochloromethane		U	79.4	39.7	
1,2-Dibromoethane		U	79.4	39.7	
Tetrachloroethene		U	79.4	39.7	
Chlorobenzene	521		79.4	39.7	
1,1,1,2-Tetrachloroethane		U	79.4	39.7	
Ethylbenzene		U	79.4	39.7	
m/p-Xylenes		U	79.4	39.7	
Bromoform		U	79.4	39.7	
Styrene		U	79.4	39.7	
o-Xylene		U	79.4	39.7	
1,1,2,2-Tetrachloroethane		U	79.4	39.7	
1,2,3-Trichloropropane		U	79.4	39.7	
Isopropylbenzene		U	79.4	39.7	
Bromobenzene		U	79.4	39.7	
2-Chlorotoluene		U	79.4	39.7	
n-Propylbenzene		U	79.4	39.7	
4-Chlorotoluene		U	79.4	39.7	
1,3,5-Trimethylbenzene		U	79.4	39.7	
tert-Butylbenzene		U	79.4	39.7	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: NAPL D

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3580
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-07		
File ID:	D070227.D	Matrix:	NAPL
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/16/2010	Sample Size (g):	0.0252
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	7/3/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-MB		

Analyte	Concentration (mg/kg)		RL	EDL	Comments
1,2,4-Trimethylbenzene		U	79.4	39.7	
sec-Butylbenzene		U	79.4	39.7	
Phenol		U	79.4	39.7	
bis(2-Chloroethyl)ether		U	79.4	39.7	
Aniline		U	79.4	39.7	
2-Chlorophenol		U	79.4	39.7	
1,3-Dichlorobenzene	615		79.4	39.7	
1,4-Dichlorobenzene	1,120		79.4	39.7	
p-Isopropyltoluene		U	79.4	39.7	
Benzyl Alcohol		U	79.4	39.7	
2-Methylphenol (m-cresol)		U	79.4	39.7	
1,2-Dichlorobenzene	2,760		79.4	39.7	
3,4-Methylphenol (o,p-cresol)		U	79.4	39.7	
bis(2-chloroisopropyl)ether		U	79.4	39.7	
n-Butylbenzene		U	79.4	39.7	
N-nitroso-di-n-propylamine		U	79.4	39.7	
Hexachloroethane		U	79.4	39.7	
1,2-Dibromo-3-Chloropropane		U	79.4	39.7	
Nitrobenzene		U	79.4	39.7	
Isophorone		U	79.4	39.7	
2-Nitrophenol		U	79.4	39.7	
2,4-Dimethylphenol		U	79.4	39.7	
bis(2-Chloroethoxy)methane		U	79.4	39.7	
1,2,4-Trichlorobenzene	251		79.4	39.7	
Naphthalene		U	79.4	39.7	
2,4-Dichlorophenol		U	79.4	39.7	
4-Chloroaniline		U	79.4	39.7	
Hexachlorobutadiene		U	79.4	39.7	
1,2,3-Trichlorobenzene	100		79.4	39.7	
4-Chloro-3-methylphenol		U	79.4	39.7	
2-Methylnaphthalene		U	79.4	39.7	
1-Methylnaphthalene		U	79.4	39.7	
Hexachlorocyclopentadiene		U	79.4	39.7	
2,4,6-Trichlorophenol		U	79.4	39.7	
2,4,5-Trichlorophenol		U	79.4	39.7	
Diphenylamine		U	79.4	39.7	
Azobenzene		U	79.4	39.7	
2-Chloronaphthalene		U	79.4	39.7	
2-Nitroaniline		U	79.4	39.7	
1,4-Dinitrobenzene		U	79.4	39.7	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: NAPL D

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3580
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-07		
File ID:	D070227.D	Matrix:	NAPL
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/16/2010	Sample Size (g):	0.0252
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	7/3/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-MB		

Analyte	Concentration (mg/kg)		RL	EDL	Comments
Dimethylphthalate		U	79.4	39.7	
1,3-Dinitrobenzene		U	79.4	39.7	
Acenaphthylene		U	79.4	39.7	
2,6-dinitrotoluene		U	79.4	39.7	
1,2-Dinitrobenzene		U	79.4	39.7	
3-Nitroaniline		U	79.4	39.7	
Acenaphthene		U	79.4	39.7	
2,4-Dinitrophenol		U	79.4	39.7	
4-Nitrophenol		U	79.4	39.7	
Dibenzofuran		U	79.4	39.7	
2,4-dinitrotoluene		U	79.4	39.7	
2,3,4,6-Tetrachlorophenol		U	79.4	39.7	
2,3,5,6-Tetrachlorophenol		U	79.4	39.7	
Diethylphthalate		U	79.4	39.7	
4-Chlorophenyl-phenylether		U	79.4	39.7	
Fluorene		U	79.4	39.7	
4-Nitroaniline		U	79.4	39.7	
4,6-Dinitro-2-methylphenol		U	79.4	39.7	
n-Nitrosodiphenylamine		U	79.4	39.7	
4-Bromophenyl phenyl ether		U	79.4	39.7	
Hexachlorobenzene		U	79.4	39.7	
Pentachlorophenol		U	79.4	39.7	
Phenanthrene		U	79.4	39.7	
Anthracene		U	79.4	39.7	
Carbazole		U	79.4	39.7	
Di-n-butylphthalate	55.0	J	79.4	39.7	
Bis(2-ethylhexyl) adipate		U	79.4	39.7	
Fluoranthene		U	79.4	39.7	
Pyrene		U	79.4	39.7	
Butylbenzylphthalate		U	79.4	39.7	
Benz[a]anthracene		U	79.4	39.7	
Chrysene		U	79.4	39.7	
bis(2-Ethylhexyl)phthalate	307		79.4	39.7	
Di-n-octylphthalate		U	79.4	39.7	
Benzo[b]fluoranthene		U	79.4	39.7	
Benzo[k]fluoranthene		U	79.4	39.7	
Benzo[a]pyrene		U	79.4	39.7	
Indeno[1,2,3-cd]pyrene		U	79.4	39.7	
Dibenz[a,h]anthracene		U	79.4	39.7	
Benzo[g,h,i]perylene		U	79.4	39.7	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: NAPL D

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3580
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-07		
File ID:	D070227.D	Matrix:	NAPL
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/16/2010	Sample Size (g):	0.0252
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	7/3/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-MB		

Analyte	Concentration (mg/kg)	RL	EDL	Comments
Extraction Surrogate Recoveries (%)		Limits		
Toluene-d8	107	50 - 120		
4-Bromofluorobenzene	115	50 - 120		
2-Fluorophenol	108	50 - 120		
Phenol-d5	114	50 - 120		
Nitrobenzene-d5	110	50 - 120		
2-Fluorobiphenyl	87	50 - 120		
2,4,6-Tribromophenol	130	50 - 120		
p-Terphenyl-d14	84	50 - 120		

NA - Not applicable.
B - Analyte detected in the Blank.
J - Estimated value; detected between the RL and DL.
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: DUP 061110

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3580
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-11		
File ID:	D070228.D	Matrix:	NAPL
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/16/2010	Sample Size (g):	0.0211
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	7/3/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-MB		

Analyte	Concentration (mg/kg)	RL	EDL	Comments
VOC & SVOC COMPOUNDS:				
cis-1,2-Dichloroethene	U	94.8	47.4	
2,2-Dichloropropane	U	94.8	47.4	
Chloroform	U	94.8	47.4	
1,1,1-Trichloroethane	U	94.8	47.4	
1,2-Dichloroethane	U	94.8	47.4	
1,1-Dichloropropene	U	94.8	47.4	
Benzene	U	94.8	47.4	
Carbon Tetrachloride	U	94.8	47.4	
1,2-Dichloropropane	U	94.8	47.4	
Trichloroethene	U	94.8	47.4	
Dibromomethane	U	94.8	47.4	
Bromodichloromethane	U	94.8	47.4	
Pyridine	U	94.8	47.4	
cis-1,3-Dichloropropene	U	94.8	47.4	
N-nitrosodimethylamine	U	94.8	47.4	
Toluene	U	94.8	47.4	
trans-1,3-Dichloropropene	U	94.8	47.4	
1,1,2-Trichloroethane	U	94.8	47.4	
1,3-Dichloropropane	U	94.8	47.4	
Dibromochloromethane	U	94.8	47.4	
1,2-Dibromoethane	U	94.8	47.4	
Tetrachloroethene	U	94.8	47.4	
Chlorobenzene	U	94.8	47.4	
1,1,1,2-Tetrachloroethane	U	94.8	47.4	
Ethylbenzene	U	94.8	47.4	
m/p-Xylenes	U	94.8	47.4	
Bromoform	U	94.8	47.4	
Styrene	U	94.8	47.4	
o-Xylene	U	94.8	47.4	
1,1,2,2-Tetrachloroethane	U	94.8	47.4	
1,2,3-Trichloropropane	U	94.8	47.4	
Isopropylbenzene	U	94.8	47.4	
Bromobenzene	U	94.8	47.4	
2-Chlorotoluene	U	94.8	47.4	
n-Propylbenzene	U	94.8	47.4	
4-Chlorotoluene	U	94.8	47.4	
1,3,5-Trimethylbenzene	U	94.8	47.4	
tert-Butylbenzene	U	94.8	47.4	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: DUP 061110

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3580
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-11		
File ID:	D070228.D	Matrix:	NAPL
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/16/2010	Sample Size (g):	0.0211
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	7/3/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-MB		

Analyte	Concentration (mg/kg)		RL	EDL	Comments
1,2,4-Trimethylbenzene		U	94.8	47.4	
sec-Butylbenzene		U	94.8	47.4	
Phenol		U	94.8	47.4	
bis(2-Chloroethyl)ether		U	94.8	47.4	
Aniline		U	94.8	47.4	
2-Chlorophenol		U	94.8	47.4	
1,3-Dichlorobenzene		U	94.8	47.4	
1,4-Dichlorobenzene		U	94.8	47.4	
p-Isopropyltoluene		U	94.8	47.4	
Benzyl Alcohol		U	94.8	47.4	
2-Methylphenol (m-cresol)		U	94.8	47.4	
1,2-Dichlorobenzene		U	94.8	47.4	
3,4-Methylphenol (o,p-cresol)		U	94.8	47.4	
bis(2-chloroisopropyl)ether		U	94.8	47.4	
n-Butylbenzene		U	94.8	47.4	
N-nitroso-di-n-propylamine		U	94.8	47.4	
Hexachloroethane		U	94.8	47.4	
1,2-Dibromo-3-Chloropropane		U	94.8	47.4	
Nitrobenzene		U	94.8	47.4	
Isophorone		U	94.8	47.4	
2-Nitrophenol		U	94.8	47.4	
2,4-Dimethylphenol		U	94.8	47.4	
bis(2-Chloroethoxy)methane		U	94.8	47.4	
1,2,4-Trichlorobenzene		U	94.8	47.4	
Naphthalene		U	94.8	47.4	
2,4-Dichlorophenol		U	94.8	47.4	
4-Chloroaniline		U	94.8	47.4	
Hexachlorobutadiene		U	94.8	47.4	
1,2,3-Trichlorobenzene		U	94.8	47.4	
4-Chloro-3-methylphenol		U	94.8	47.4	
2-Methylnaphthalene	106		94.8	47.4	
1-Methylnaphthalene	164		94.8	47.4	
Hexachlorocyclopentadiene		U	94.8	47.4	
2,4,6-Trichlorophenol		U	94.8	47.4	
2,4,5-Trichlorophenol		U	94.8	47.4	
Diphenylamine		U	94.8	47.4	
Azobenzene		U	94.8	47.4	
2-Chloronaphthalene		U	94.8	47.4	
2-Nitroaniline		U	94.8	47.4	
1,4-Dinitrobenzene		U	94.8	47.4	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: DUP 061110

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3580
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-11		
File ID:	D070228.D	Matrix:	NAPL
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/16/2010	Sample Size (g):	0.0211
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	7/3/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-MB		

Analyte	Concentration (mg/kg)		RL	EDL	Comments
Dimethylphthalate		U	94.8	47.4	
1,3-Dinitrobenzene		U	94.8	47.4	
Acenaphthylene		U	94.8	47.4	
2,6-dinitrotoluene		U	94.8	47.4	
1,2-Dinitrobenzene		U	94.8	47.4	
3-Nitroaniline		U	94.8	47.4	
Acenaphthene		U	94.8	47.4	
2,4-Dinitrophenol		U	94.8	47.4	
4-Nitrophenol		U	94.8	47.4	
Dibenzofuran		U	94.8	47.4	
2,4-dinitrotoluene		U	94.8	47.4	
2,3,4,6-Tetrachlorophenol		U	94.8	47.4	
2,3,5,6-Tetrachlorophenol		U	94.8	47.4	
Diethylphthalate		U	94.8	47.4	
4-Chlorophenyl-phenylether		U	94.8	47.4	
Fluorene	72.8	J	94.8	47.4	
4-Nitroaniline		U	94.8	47.4	
4,6-Dinitro-2-methylphenol		U	94.8	47.4	
n-Nitrosodiphenylamine		U	94.8	47.4	
4-Bromophenyl phenyl ether		U	94.8	47.4	
Hexachlorobenzene		U	94.8	47.4	
Pentachlorophenol		U	94.8	47.4	
Phenanthrene	163		94.8	47.4	
Anthracene	50.8	J	94.8	47.4	
Carbazole		U	94.8	47.4	
Di-n-butylphthalate		U	94.8	47.4	
Bis(2-ethylhexyl) adipate		U	94.8	47.4	
Fluoranthene		U	94.8	47.4	
Pyrene	208		94.8	47.4	
Butylbenzylphthalate		U	94.8	47.4	
Benz[a]anthracene		U	94.8	47.4	
Chrysene	54.3	J	94.8	47.4	
bis(2-Ethylhexyl)phthalate		U	94.8	47.4	
Di-n-octylphthalate		U	94.8	47.4	
Benzo[b]fluoranthene		U	94.8	47.4	
Benzo[k]fluoranthene		U	94.8	47.4	
Benzo[a]pyrene		U	94.8	47.4	
Indeno[1,2,3-cd]pyrene		U	94.8	47.4	
Dibenz[a,h]anthracene		U	94.8	47.4	
Benzo[g,h,i]perylene		U	94.8	47.4	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: DUP 061110

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3580
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-11		
File ID:	D070228.D	Matrix:	NAPL
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/16/2010	Sample Size (g):	0.0211
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	7/3/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-MB		

Analyte	Concentration (mg/kg)	RL	EDL	Comments
Extraction Surrogate Recoveries (%)		Limits		
Toluene-d8	104	50 - 120		
4-Bromofluorobenzene	114	50 - 120		
2-Fluorophenol	110	50 - 120		
Phenol-d5	116	50 - 120		
Nitrobenzene-d5	111	50 - 120		
2-Fluorobiphenyl	101	50 - 120		
2,4,6-Tribromophenol	119	50 - 120		
p-Terphenyl-d14	89	50 - 120		

NA - Not applicable.
B - Analyte detected in the Blank.
J - Estimated value; detected between the RL and DL.
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Method Blank

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3580
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	QC100616-MB		
File ID:	D070204.D	Matrix:	NAPL
		Preservation:	None
Date Sampled:	NA	Decanted:	None
Date Received:	NA		
Date Prepared:	6/16/2010	Sample Size (g):	0.02
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	7/2/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-MB		

Analyte	Concentration (mg/kg)	RL	EDL	Comments
VOC & SVOC COMPOUNDS:				
cis-1,2-Dichloroethene	U	100	50.0	
2,2-Dichloropropane	U	100	50.0	
Chloroform	U	100	50.0	
1,1,1-Trichloroethane	U	100	50.0	
1,2-Dichloroethane	U	100	50.0	
1,1-Dichloropropene	U	100	50.0	
Benzene	U	100	50.0	
Carbon Tetrachloride	U	100	50.0	
1,2-Dichloropropane	U	100	50.0	
Trichloroethene	U	100	50.0	
Dibromomethane	U	100	50.0	
Bromodichloromethane	U	100	50.0	
Pyridine	U	100	50.0	
cis-1,3-Dichloropropene	U	100	50.0	
N-nitrosodimethylamine	U	100	50.0	
Toluene	U	100	50.0	
trans-1,3-Dichloropropene	U	100	50.0	
1,1,2-Trichloroethane	U	100	50.0	
1,3-Dichloropropane	U	100	50.0	
Dibromochloromethane	U	100	50.0	
1,2-Dibromoethane	U	100	50.0	
Tetrachloroethene	U	100	50.0	
Chlorobenzene	U	100	50.0	
1,1,1,2-Tetrachloroethane	U	100	50.0	
Ethylbenzene	U	100	50.0	
m/p-Xylenes	U	100	50.0	
Bromoform	U	100	50.0	
Styrene	U	100	50.0	
o-Xylene	U	100	50.0	
1,1,2,2-Tetrachloroethane	U	100	50.0	
1,2,3-Trichloropropane	U	100	50.0	
Isopropylbenzene	U	100	50.0	
Bromobenzene	U	100	50.0	
2-Chlorotoluene	U	100	50.0	
n-Propylbenzene	U	100	50.0	
4-Chlorotoluene	U	100	50.0	
1,3,5-Trimethylbenzene	U	100	50.0	
tert-Butylbenzene	U	100	50.0	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Method Blank

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3580
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	QC100616-MB		
File ID:	D070204.D	Matrix:	NAPL
		Preservation:	None
Date Sampled:	NA	Decanted:	None
Date Received:	NA		
Date Prepared:	6/16/2010	Sample Size (g):	0.02
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	7/2/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-MB		

Analyte	Concentration (mg/kg)	RL	EDL	Comments
1,2,4-Trimethylbenzene	U	100	50.0	
sec-Butylbenzene	U	100	50.0	
Phenol	U	100	50.0	
bis(2-Chloroethyl)ether	U	100	50.0	
Aniline	U	100	50.0	
2-Chlorophenol	U	100	50.0	
1,3-Dichlorobenzene	U	100	50.0	
1,4-Dichlorobenzene	U	100	50.0	
p-Isopropyltoluene	U	100	50.0	
Benzyl Alcohol	U	100	50.0	
2-Methylphenol (m-cresol)	U	100	50.0	
1,2-Dichlorobenzene	U	100	50.0	
3,4-Methylphenol (o,p-cresol)	U	100	50.0	
bis(2-chloroisopropyl)ether	U	100	50.0	
n-Butylbenzene	U	100	50.0	
N-nitroso-di-n-propylamine	U	100	50.0	
Hexachloroethane	U	100	50.0	
1,2-Dibromo-3-Chloropropane	U	100	50.0	
Nitrobenzene	U	100	50.0	
Isophorone	U	100	50.0	
2-Nitrophenol	U	100	50.0	
2,4-Dimethylphenol	U	100	50.0	
bis(2-Chloroethoxy)methane	U	100	50.0	
1,2,4-Trichlorobenzene	U	100	50.0	
Naphthalene	U	100	50.0	
2,4-Dichlorophenol	U	100	50.0	
4-Chloroaniline	U	100	50.0	
Hexachlorobutadiene	U	100	50.0	
1,2,3-Trichlorobenzene	U	100	50.0	
4-Chloro-3-methylphenol	U	100	50.0	
2-Methylnaphthalene	U	100	50.0	
1-Methylnaphthalene	U	100	50.0	
Hexachlorocyclopentadiene	U	100	50.0	
2,4,6-Trichlorophenol	U	100	50.0	
2,4,5-Trichlorophenol	U	100	50.0	
Diphenylamine	U	100	50.0	
Azobenzene	U	100	50.0	
2-Chloronaphthalene	U	100	50.0	
2-Nitroaniline	U	100	50.0	
1,4-Dinitrobenzene	U	100	50.0	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Method Blank

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3580
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	QC100616-MB		
File ID:	D070204.D	Matrix:	NAPL
		Preservation:	None
Date Sampled:	NA	Decanted:	None
Date Received:	NA		
Date Prepared:	6/16/2010	Sample Size (g):	0.02
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	7/2/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-MB		

Analyte	Concentration (mg/kg)	RL	EDL	Comments
Dimethylphthalate	U	100	50.0	
1,3-Dinitrobenzene	U	100	50.0	
Acenaphthylene	U	100	50.0	
2,6-dinitrotoluene	U	100	50.0	
1,2-Dinitrobenzene	U	100	50.0	
3-Nitroaniline	U	100	50.0	
Acenaphthene	U	100	50.0	
2,4-Dinitrophenol	U	100	50.0	
4-Nitrophenol	U	100	50.0	
Dibenzofuran	U	100	50.0	
2,4-dinitrotoluene	U	100	50.0	
2,3,4,6-Tetrachlorophenol	U	100	50.0	
2,3,5,6-Tetrachlorophenol	U	100	50.0	
Diethylphthalate	U	100	50.0	
4-Chlorophenyl-phenylether	U	100	50.0	
Fluorene	U	100	50.0	
4-Nitroaniline	U	100	50.0	
4,6-Dinitro-2-methylphenol	U	100	50.0	
n-Nitrosodiphenylamine	U	100	50.0	
4-Bromophenyl phenyl ether	U	100	50.0	
Hexachlorobenzene	U	100	50.0	
Pentachlorophenol	U	100	50.0	
Phenanthrene	U	100	50.0	
Anthracene	U	100	50.0	
Carbazole	U	100	50.0	
Di-n-butylphthalate	U	100	50.0	
Bis(2-ethylhexyl) adipate	U	100	50.0	
Fluoranthene	U	100	50.0	
Pyrene	U	100	50.0	
Butylbenzylphthalate	U	100	50.0	
Benz[a]anthracene	U	100	50.0	
Chrysene	U	100	50.0	
bis(2-Ethylhexyl)phthalate	U	100	50.0	
Di-n-octylphthalate	U	100	50.0	
Benzo[b]fluoranthene	U	100	50.0	
Benzo[k]fluoranthene	U	100	50.0	
Benzo[a]pyrene	U	100	50.0	
Indeno[1,2,3-cd]pyrene	U	100	50.0	
Dibenz[a,h]anthracene	U	100	50.0	
Benzo[g,h,i]perylene	U	100	50.0	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Method Blank

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3580
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	QC100616-MB		
File ID:	D070204.D	Matrix:	NAPL
		Preservation:	None
Date Sampled:	NA	Decanted:	None
Date Received:	NA		
Date Prepared:	6/16/2010	Sample Size (g):	0.02
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	7/2/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-MB		

Analyte	Concentration (mg/kg)	RL	EDL	Comments
Extraction Surrogate Recoveries (%)		Limits		
Toluene-d8	103	50 - 120		
4-Bromofluorobenzene	108	50 - 120		
2-Fluorophenol	104	50 - 120		
Phenol-d5	111	50 - 120		
Nitrobenzene-d5	104	50 - 120		
2-Fluorobiphenyl	96	50 - 120		
2,4,6-Tribromophenol	106	50 - 120		
p-Terphenyl-d14	85	50 - 120		

NA - Not applicable.
B - Analyte detected in the Blank.
J - Estimated value; detected between the RL and DL.
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Method Blank Spike

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3580
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	QC100616-MBS		
File ID:	D070205.D	Matrix:	NAPL
		Preservation:	None
Date Sampled:	NA	Decanted:	None
Date Received:	NA		
Date Prepared:	6/16/2010	Sample Size (g):	0.02
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	7/2/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-MB		

Analyte	Concentration (mg/kg)		RL	EDL	Comments
VOC & SVOC COMPOUNDS:	Spike Amount				% Recovery
cis-1,2-Dichloroethene	2500	2,640	100	50.0	106
2,2-Dichloropropane	2500	2,590	100	50.0	104
Chloroform	2500	2,760	100	50.0	110
1,1,1-Trichloroethane	2500	2,640	100	50.0	106
1,2-Dichloroethane	2500	2,590	100	50.0	104
1,1-Dichloropropene	2500	2,680	100	50.0	107
Benzene	2500	2,950	100	50.0	118
Carbon Tetrachloride	2500	2,740	100	50.0	110
1,2-Dichloropropane	2500	2,910	100	50.0	116
Trichloroethene	2500	2,980	100	50.0	119
Dibromomethane	2500	2,560	100	50.0	102
Bromodichloromethane	2500	2,560	100	50.0	102
Pyridine	2500	2,430	100	50.0	97
cis-1,3-Dichloropropene	2500	2,590	100	50.0	104
N-nitrosodimethylamine	2500	2,460	100	50.0	98
Toluene	2500	3,020	100	50.0	121
trans-1,3-Dichloropropene	2500	2,640	100	50.0	106
1,1,2-Trichloroethane	2500	2,630	100	50.0	105
1,3-Dichloropropane	2500	2,620	100	50.0	105
Dibromochloromethane	2500	2,640	100	50.0	106
1,2-Dibromoethane	2500	2,630	100	50.0	105
Tetrachloroethene	2500	2,660	100	50.0	106
Chlorobenzene	2500	2,580	100	50.0	103
1,1,1,2-Tetrachloroethane	2500	2,570	100	50.0	103
Ethylbenzene	2500	2,520	100	50.0	101
m/p-Xylenes	2500	2,400	100	50.0	96
Bromoform	2500	2,620	100	50.0	105
Styrene	2500	2,540	100	50.0	102
o-Xylene	2500	2,530	100	50.0	101
1,1,2,2-Tetrachloroethane	2500	2,780	100	50.0	111
1,2,3-Trichloropropane	2500	2,550	100	50.0	102
Isopropylbenzene	2500	2,550	100	50.0	102
Bromobenzene	2500	2,540	100	50.0	102
2-Chlorotoluene	2500	2,630	100	50.0	105
n-Propylbenzene	2500	2,600	100	50.0	104
4-Chlorotoluene	2500	2,590	100	50.0	104
1,3,5-Trimethylbenzene	2500	2,560	100	50.0	102
tert-Butylbenzene	2500	2,450	100	50.0	98

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Method Blank Spike

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3580
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	QC100616-MBS		
File ID:	D070205.D	Matrix:	NAPL
		Preservation:	None
Date Sampled:	NA	Decanted:	None
Date Received:	NA		
Date Prepared:	6/16/2010	Sample Size (g):	0.02
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	7/2/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-MB		

Analyte		Concentration (mg/kg)	RL	EDL	Comments
1,2,4-Trimethylbenzene	2500	2,480	100	50.0	99
sec-Butylbenzene	2500	2,400	100	50.0	96
Phenol	2500	2,900	100	50.0	116
bis(2-Chloroethyl)ether	2500	2,640	100	50.0	106
Aniline	2500	3,030	100	50.0	121
2-Chlorophenol	2500	2,640	100	50.0	106
1,3-Dichlorobenzene	5000	4,760	100	50.0	95
1,4-Dichlorobenzene	5000	4,560	100	50.0	91
p-Isopropyltoluene	2500	2,550	100	50.0	102
Benzyl Alcohol	2500	2,680	100	50.0	107
2-Methylphenol (m-cresol)	2500	2,720	100	50.0	109
1,2-Dichlorobenzene	5000	4,830	100	50.0	97
3,4-Methylphenol (o,p-cresol)	2500	2,610	100	50.0	104
bis(2-chloroisopropyl)ether	2500	2,560	100	50.0	102
n-Butylbenzene	2500	2,540	100	50.0	102
N-nitroso-di-n-propylamine	2500	2,610	100	50.0	104
Hexachloroethane	2500	2,730	100	50.0	109
1,2-Dibromo-3-Chloropropane	2500	2,600	100	50.0	104
Nitrobenzene	2500	2,670	100	50.0	107
Isophorone	2500	2,550	100	50.0	102
2-Nitrophenol	2500	2,630	100	50.0	105
2,4-Dimethylphenol	2500	3,080	100	50.0	123
bis(2-Chloroethoxy)methane	2500	2,660	100	50.0	106
1,2,4-Trichlorobenzene	5000	4,830	100	50.0	97
Naphthalene	5000	4,670	100	50.0	93
2,4-Dichlorophenol	2500	2,620	100	50.0	105
4-Chloroaniline	2500	2,660	100	50.0	106
Hexachlorobutadiene	5000	5,330	100	50.0	107
1,2,3-Trichlorobenzene	2500	2,580	100	50.0	103
4-Chloro-3-methylphenol	2500	2,640	100	50.0	106
2-Methylnaphthalene	2500	2,340	100	50.0	94
1-Methylnaphthalene	2500	2,470	100	50.0	99
Hexachlorocyclopentadiene	2500	2,770	100	50.0	111
2,4,6-Trichlorophenol	2500	2,600	100	50.0	104
2,4,5-Trichlorophenol	2500	2,620	100	50.0	105
Diphenylamine	2500	2,580	100	50.0	103
Azobenzene	2500	2,750	100	50.0	110
2-Chloronaphthalene	2500	2,560	100	50.0	102
2-Nitroaniline	2500	2,520	100	50.0	101
1,4-Dinitrobenzene	2500	2,790	100	50.0	112

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Method Blank Spike

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3580
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	QC100616-MBS		
File ID:	D070205.D	Matrix:	NAPL
		Preservation:	None
Date Sampled:	NA	Decanted:	None
Date Received:	NA		
Date Prepared:	6/16/2010	Sample Size (g):	0.02
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	7/2/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-MB		

Analyte		Concentration (mg/kg)	RL	EDL	Comments
Dimethylphthalate	2500	2,580	100	50.0	103
1,3-Dinitrobenzene	2500	2,740	100	50.0	110
Acenaphthylene	2500	2,540	100	50.0	102
2,6-dinitrotoluene	2500	2,740	100	50.0	110
1,2-Dinitrobenzene	2500	2,610	100	50.0	104
3-Nitroaniline	2500	2,630	100	50.0	105
Acenaphthene	2500	2,500	100	50.0	100
2,4-Dinitrophenol	2500	1,820	100	50.0	73
4-Nitrophenol	2500	2,530	100	50.0	101
Dibenzofuran	2500	2,470	100	50.0	99
2,4-dinitrotoluene	2500	2,700	100	50.0	108
2,3,4,6-Tetrachlorophenol	2500	2,610	100	50.0	104
2,3,5,6-Tetrachlorophenol	2500	2,690	100	50.0	108
Diethylphthalate	2500	2,500	100	50.0	100
4-Chlorophenyl-phenylether	2500	2,620	100	50.0	105
Fluorene	2500	2,440	100	50.0	98
4-Nitroaniline	2500	2,730	100	50.0	109
4,6-Dinitro-2-methylphenol	2500	2,240	100	50.0	90
n-Nitrosodiphenylamine	2500	2,590	100	50.0	104
4-Bromophenyl phenyl ether	2500	2,660	100	50.0	106
Hexachlorobenzene	2500	2,710	100	50.0	108
Pentachlorophenol	2500	2,820	100	50.0	113
Phenanthrene	2500	2,570	100	50.0	103
Anthracene	2500	2,650	100	50.0	106
Carbazole	2500	2,560	100	50.0	102
Di-n-butylphthalate	2500	2,540	100	50.0	102
Bis(2-ethylhexyl) adipate	2500	2,450	100	50.0	98
Fluoranthene	2500	2,580	100	50.0	103
Pyrene	2500	2,560	100	50.0	102
Butylbenzylphthalate	2500	2,130	100	50.0	85
Benz[a]anthracene	2500	2,110	100	50.0	84
Chrysene	2500	2,070	100	50.0	83
bis(2-Ethylhexyl)phthalate	2500	2,090	100	50.0	84
Di-n-octylphthalate	2500	2,190	100	50.0	88
Benzo[b]fluoranthene	2500	2,340	100	50.0	94
Benzo[k]fluoranthene	2500	2,140	100	50.0	86
Benzo[a]pyrene	2500	2,310	100	50.0	92
Indeno[1,2,3-cd]pyrene	2500	2,210	100	50.0	88
Dibenz[a,h]anthracene	2500	2,310	100	50.0	92
Benzo[g,h,i]perylene	2500	2,260	100	50.0	90

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Method Blank Spike

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3580
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	QC100616-MBS		
File ID:	D070205.D	Matrix:	NAPL
		Preservation:	None
Date Sampled:	NA	Decanted:	None
Date Received:	NA		
Date Prepared:	6/16/2010	Sample Size (g):	0.02
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	7/2/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-MB		

Analyte	Concentration (mg/kg)	RL	EDL	Comments
Extraction Surrogate Recoveries (%)		Limits		
Toluene-d8	103	50 - 120		
4-Bromofluorobenzene	103	50 - 120		
2-Fluorophenol	108	50 - 120		
Phenol-d5	96	50 - 120		
Nitrobenzene-d5	104	50 - 120		
2-Fluorobiphenyl	102	50 - 120		
2,4,6-Tribromophenol	115	50 - 120		
p-Terphenyl-d14	85	50 - 120		

NA - Not applicable.
B - Analyte detected in the Blank.
J - Estimated value; detected between the RL and DL.
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: MAtrix Spike of NAPL B

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3580
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-03MS		
File ID:	D070224.D	Matrix:	NAPL
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/16/2010	Sample Size (g):	0.0219
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	7/3/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-MB		

Analyte	Concentration (mg/kg)		RL	EDL	Comments
VOC & SVOC COMPOUNDS:	Spike Amount				% Recovery
cis-1,2-Dichloroethene	2280	2,650	91.3	45.7	116
2,2-Dichloropropane	2280	2,590	91.3	45.7	114
Chloroform	2280	2,610	91.3	45.7	114
1,1,1-Trichloroethane	2280	2,620	91.3	45.7	115
1,2-Dichloroethane	2280	2,570	91.3	45.7	113
1,1-Dichloropropene	2280	2,400	91.3	45.7	105
Benzene	2280	2,510	91.3	45.7	110
Carbon Tetrachloride	2280	2,650	91.3	45.7	116
1,2-Dichloropropane	2280	2,720	91.3	45.7	119
Trichloroethene	2280	2,830	91.3	45.7	124
Dibromomethane	2280	2,610	91.3	45.7	114
Bromodichloromethane	2280	2,640	91.3	45.7	116
Pyridine	2280	2,340	91.3	45.7	103
cis-1,3-Dichloropropene	2280	2,540	91.3	45.7	111
N-nitrosodimethylamine	2280	2,350	91.3	45.7	103
Toluene	2280	2,930	91.3	45.7	129
trans-1,3-Dichloropropene	2280	2,650	91.3	45.7	116
1,1,2-Trichloroethane	2280	2,570	91.3	45.7	113
1,3-Dichloropropane	2280	2,580	91.3	45.7	113
Dibromochloromethane	2280	2,720	91.3	45.7	119
1,2-Dibromoethane	2280	2,620	91.3	45.7	115
Tetrachloroethene	2280	2,820	91.3	45.7	124
Chlorobenzene	2280	2,530	91.3	45.7	111
1,1,1,2-Tetrachloroethane	2280	2,640	91.3	45.7	116
Ethylbenzene	2280	2,560	91.3	45.7	112
m/p-Xylenes	2280	2,460	91.3	45.7	108
Bromoform	2280	2,760	91.3	45.7	121
Styrene	2280	2,450	91.3	45.7	107
o-Xylene	2280	2,590	91.3	45.7	114
1,1,2,2-Tetrachloroethane	2280	2,710	91.3	45.7	119
1,2,3-Trichloropropane	2280	2,560	91.3	45.7	112
Isopropylbenzene	2280	2,560	91.3	45.7	112
Bromobenzene	2280	2,540	91.3	45.7	111
2-Chlorotoluene	2280	2,550	91.3	45.7	112
n-Propylbenzene	2280	2,560	91.3	45.7	112
4-Chlorotoluene	2280	2,600	91.3	45.7	114
1,3,5-Trimethylbenzene	2280	2,650	91.3	45.7	116
tert-Butylbenzene	2280	2,540	91.3	45.7	111

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: MAtrix Spike of NAPL B

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3580
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-03MS		
File ID:	D070224.D	Matrix:	NAPL
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/16/2010	Sample Size (g):	0.0219
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	7/3/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-MB		

Analyte		Concentration (mg/kg)	RL	EDL	Comments
1,2,4-Trimethylbenzene	4560	2,590	91.3	45.7	57
sec-Butylbenzene	2280	2,560	91.3	45.7	112
Phenol	2280	2,880	91.3	45.7	126
bis(2-Chloroethyl)ether	2280	2,590	91.3	45.7	114
Aniline	2280	3,000	91.3	45.7	132
2-Chlorophenol	2280	2,610	91.3	45.7	114
1,3-Dichlorobenzene	4560	4,870	91.3	45.7	107
1,4-Dichlorobenzene	4560	4,700	91.3	45.7	103
p-Isopropyltoluene	2280	2,600	91.3	45.7	114
Benzyl Alcohol	2280	2,370	91.3	45.7	104
2-Methylphenol (m-cresol)	2280	2,660	91.3	45.7	117
1,2-Dichlorobenzene	4560	4,880	91.3	45.7	107
3,4-Methylphenol (o,p-cresol)	2280	2,460	91.3	45.7	108
bis(2-chloroisopropyl)ether	2280	2,440	91.3	45.7	107
n-Butylbenzene	2280	2,620	91.3	45.7	115
N-nitroso-di-n-propylamine	2280	2,700	91.3	45.7	118
Hexachloroethane	2280	2,680	91.3	45.7	118
1,2-Dibromo-3-Chloropropane	2280	2,580	91.3	45.7	113
Nitrobenzene	2280	2,640	91.3	45.7	116
Isophorone	2280	2,570	91.3	45.7	113
2-Nitrophenol	2280	2,610	91.3	45.7	114
2,4-Dimethylphenol	2280	3,680	91.3	45.7	161
bis(2-Chloroethoxy)methane	2280	2,610	91.3	45.7	114
1,2,4-Trichlorobenzene	2280	4,950	91.3	45.7	217
Naphthalene	4560	4,630	91.3	45.7	102
2,4-Dichlorophenol	2280	2,660	91.3	45.7	117
4-Chloroaniline	2280	2,580	91.3	45.7	113
Hexachlorobutadiene	4560	5,720	91.3	45.7	125
1,2,3-Trichlorobenzene	2280	2,610	91.3	45.7	114
4-Chloro-3-methylphenol	2280	2,690	91.3	45.7	118
2-Methylnaphthalene	2280	2,400	91.3	45.7	100
1-Methylnaphthalene	2280	2,570	91.3	45.7	105
Hexachlorocyclopentadiene	2280	1,420	91.3	45.7	62
2,4,6-Trichlorophenol	2280	2,580	91.3	45.7	113
2,4,5-Trichlorophenol	2280	2,490	91.3	45.7	109
Diphenylamine	2280	2,550	91.3	45.7	112
Azobenzene	2280	2,550	91.3	45.7	112
2-Chloronaphthalene	2280	2,480	91.3	45.7	109
2-Nitroaniline	2280	2,340	91.3	45.7	103
1,4-Dinitrobenzene	2280	2,340	91.3	45.7	103

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: MAtrix Spike of NAPL B

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3580
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-03MS		
File ID:	D070224.D	Matrix:	NAPL
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/16/2010	Sample Size (g):	0.0219
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	7/3/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-MB		

Analyte		Concentration (mg/kg)	RL	EDL	Comments
Dimethylphthalate	2280	2,570	91.3	45.7	113
1,3-Dinitrobenzene	2280	2,310	91.3	45.7	101
Acenaphthylene	2280	2,430	91.3	45.7	107
2,6-dinitrotoluene	2280	2,600	91.3	45.7	114
1,2-Dinitrobenzene	2280	2,280	91.3	45.7	100
3-Nitroaniline	2280	2,550	91.3	45.7	112
Acenaphthene	2280	2,500	91.3	45.7	110
2,4-Dinitrophenol	2280	876	91.3	45.7	38
4-Nitrophenol	2280	2,750	91.3	45.7	121
Dibenzofuran	2280	2,530	91.3	45.7	111
2,4-dinitrotoluene	2280	2,560	91.3	45.7	112
2,3,4,6-Tetrachlorophenol	2280	2,620	91.3	45.7	115
2,3,5,6-Tetrachlorophenol	2280	2,680	91.3	45.7	118
Diethylphthalate	2280	2,450	91.3	45.7	107
4-Chlorophenyl-phenylether	2280	2,690	91.3	45.7	118
Fluorene	2280	2,360	91.3	45.7	100
4-Nitroaniline	2280	2,640	91.3	45.7	116
4,6-Dinitro-2-methylphenol	2280	1,310	91.3	45.7	57
n-Nitrosodiphenylamine	2280	2,530	91.3	45.7	111
4-Bromophenyl phenyl ether	2280	2,740	91.3	45.7	120
Hexachlorobenzene	2280	2,850	91.3	45.7	125
Pentachlorophenol	2280	2,920	91.3	45.7	128
Phenanthrene	2280	2,570	91.3	45.7	105
Anthracene	2280	2,610	91.3	45.7	112
Carbazole	2280	2,480	91.3	45.7	109
Di-n-butylphthalate	2280	2,500	91.3	45.7	110
Bis(2-ethylhexyl) adipate	2280	2,410	91.3	45.7	106
Fluoranthene	2280	2,640	91.3	45.7	116
Pyrene	2280	2,740	91.3	45.7	110
Butylbenzylphthalate	2280	2,080	91.3	45.7	91
Benz[a]anthracene	2280	2,180	91.3	45.7	96
Chrysene	2280	2,040	91.3	45.7	87
bis(2-Ethylhexyl)phthalate	2280	2,110	91.3	45.7	87
Di-n-octylphthalate	2280	2,070	91.3	45.7	91
Benzo[b]fluoranthene	2280	2,260	91.3	45.7	99
Benzo[k]fluoranthene	2280	2,050	91.3	45.7	90
Benzo[a]pyrene	2280	2,240	91.3	45.7	98
Indeno[1,2,3-cd]pyrene	2280	2,290	91.3	45.7	100
Dibenz[a,h]anthracene	2280	2,240	91.3	45.7	98
Benzo[g,h,i]perylene	2280	2,220	91.3	45.7	97

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: MAtrix Spike of NAPL B

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3580
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-03MS		
File ID:	D070224.D	Matrix:	NAPL
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/16/2010	Sample Size (g):	0.0219
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	7/3/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-MB		

Analyte	Concentration (mg/kg)	RL	EDL	Comments
Extraction Surrogate Recoveries (%)		Limits		
Toluene-d8	107	50 - 120		
4-Bromofluorobenzene	111	50 - 120		
2-Fluorophenol	113	50 - 120		
Phenol-d5	101	50 - 120		
Nitrobenzene-d5	111	50 - 120		
2-Fluorobiphenyl	104	50 - 120		
2,4,6-Tribromophenol	124	50 - 120		
p-Terphenyl-d14	90	50 - 120		

NA - Not applicable.
B - Analyte detected in the Blank.
J - Estimated value; detected between the RL and DL.
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Matrix Spike Duplicate of NAPL B

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3580
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-03MSD		
File ID:	D070225.D	Matrix:	NAPL
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/16/2010	Sample Size (g):	0.0225
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	7/3/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-MB		

Analyte	Concentration (mg/kg)		RL	EDL	Comments	
VOC & SVOC COMPOUNDS:	Spike Amount				% Recovery	RPD
cis-1,2-Dichloroethene	2220	2,580	88.9	44.4	116	2.7
2,2-Dichloropropane	2220	2,550	88.9	44.4	115	1.6
Chloroform	2220	2,560	88.9	44.4	115	1.9
1,1,1-Trichloroethane	2220	2,610	88.9	44.4	118	0.4
1,2-Dichloroethane	2220	2,560	88.9	44.4	115	0.4
1,1-Dichloropropene	2220	2,420	88.9	44.4	109	0.8
Benzene	2220	2,530	88.9	44.4	114	0.8
Carbon Tetrachloride	2220	2,680	88.9	44.4	121	1.1
1,2-Dichloropropane	2220	2,700	88.9	44.4	122	0.7
Trichloroethene	2220	2,850	88.9	44.4	128	0.7
Dibromomethane	2220	2,650	88.9	44.4	119	1.5
Bromodichloromethane	2220	2,660	88.9	44.4	120	0.8
Pyridine	2220	2,290	88.9	44.4	103	2.2
cis-1,3-Dichloropropene	2220	2,560	88.9	44.4	115	0.8
N-nitrosodimethylamine	2220	2,380	88.9	44.4	107	1.3
Toluene	2220	2,880	88.9	44.4	130	1.7
trans-1,3-Dichloropropene	2220	2,650	88.9	44.4	119	0
1,1,2-Trichloroethane	2220	2,560	88.9	44.4	115	0.4
1,3-Dichloropropane	2220	2,580	88.9	44.4	116	0
Dibromochloromethane	2220	2,760	88.9	44.4	124	1.5
1,2-Dibromoethane	2220	2,610	88.9	44.4	118	0.4
Tetrachloroethene	2220	2,690	88.9	44.4	121	4.7
Chlorobenzene	2220	2,510	88.9	44.4	113	0.8
1,1,1,2-Tetrachloroethane	2220	2,640	88.9	44.4	119	0
Ethylbenzene	2220	2,520	88.9	44.4	114	1.6
m/p-Xylenes	2220	2,450	88.9	44.4	110	0.4
Bromoform	2220	2,780	88.9	44.4	125	0.7
Styrene	2220	2,400	88.9	44.4	108	2.1
o-Xylene	2220	2,520	88.9	44.4	114	2.7
1,1,2,2-Tetrachloroethane	2220	2,660	88.9	44.4	120	1.9
1,2,3-Trichloropropane	2220	2,570	88.9	44.4	116	0.4
Isopropylbenzene	2220	2,560	88.9	44.4	115	0
Bromobenzene	2220	2,540	88.9	44.4	114	0
2-Chlorotoluene	2220	2,520	88.9	44.4	114	1.2
n-Propylbenzene	2220	2,470	88.9	44.4	111	3.6
4-Chlorotoluene	2220	2,540	88.9	44.4	114	2.3
1,3,5-Trimethylbenzene	2220	2,640	88.9	44.4	119	0.4
tert-Butylbenzene	2220	2,500	88.9	44.4	113	1.6

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Matrix Spike Duplicate of NAPL B

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3580
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-03MSD		
File ID:	D070225.D	Matrix:	NAPL
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/16/2010	Sample Size (g):	0.0225
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	7/3/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-MB		

Analyte	Concentration (mg/kg)		RL	EDL	Comments	
1,2,4-Trimethylbenzene	4440	2,560	88.9	44.4	58	1.2
sec-Butylbenzene	2220	2,520	88.9	44.4	114	1.6
Phenol	2220	2,830	88.9	44.4	127	1.8
bis(2-Chloroethyl)ether	2220	2,550	88.9	44.4	115	1.6
Aniline	2220	2,990	88.9	44.4	135	0.3
2-Chlorophenol	2220	2,550	88.9	44.4	115	2.3
1,3-Dichlorobenzene	4440	4,860	88.9	44.4	109	0.2
1,4-Dichlorobenzene	4440	4,650	88.9	44.4	105	1.1
p-Isopropyltoluene	2220	2,550	88.9	44.4	115	1.9
Benzyl Alcohol	2220	2,290	88.9	44.4	103	3.4
2-Methylphenol (m-cresol)	2220	2,580	88.9	44.4	116	3.1
1,2-Dichlorobenzene	4440	4,800	88.9	44.4	108	1.7
3,4-Methylphenol (o,p-cresol)	2220	2,520	88.9	44.4	114	2.4
bis(2-chloroisopropyl)ether	2220	2,390	88.9	44.4	108	2.1
n-Butylbenzene	2220	2,530	88.9	44.4	114	3.5
N-nitroso-di-n-propylamine	2220	2,670	88.9	44.4	120	1.1
Hexachloroethane	2220	2,670	88.9	44.4	120	0.4
1,2-Dibromo-3-Chloropropane	2220	2,670	88.9	44.4	120	3.4
Nitrobenzene	2220	2,690	88.9	44.4	121	1.9
Isophorone	2220	2,570	88.9	44.4	116	0
2-Nitrophenol	2220	2,610	88.9	44.4	118	0
2,4-Dimethylphenol	2220	3,590	88.9	44.4	162	2.5
bis(2-Chloroethoxy)methane	2220	2,630	88.9	44.4	118	0.8
1,2,4-Trichlorobenzene	2220	5,030	88.9	44.4	227	1.6
Naphthalene	4440	4,660	88.9	44.4	105	0.6
2,4-Dichlorophenol	2220	2,660	88.9	44.4	120	0
4-Chloroaniline	2220	2,630	88.9	44.4	118	1.9
Hexachlorobutadiene	4440	5,770	88.9	44.4	130	0.9
1,2,3-Trichlorobenzene	2220	2,630	88.9	44.4	118	0.8
4-Chloro-3-methylphenol	2220	2,690	88.9	44.4	121	0
2-Methylnaphthalene	2220	2,420	88.9	44.4	104	0.8
1-Methylnaphthalene	2220	2,600	88.9	44.4	110	1.2
Hexachlorocyclopentadiene	2220	1,510	88.9	44.4	68	6.1
2,4,6-Trichlorophenol	2220	2,660	88.9	44.4	120	3.1
2,4,5-Trichlorophenol	2220	2,410	88.9	44.4	109	3.3
Diphenylamine	2220	2,560	88.9	44.4	115	0.4
Azobenzene	2220	2,570	88.9	44.4	116	0.8
2-Chloronaphthalene	2220	2,510	88.9	44.4	113	1.2
2-Nitroaniline	2220	2,400	88.9	44.4	108	2.5
1,4-Dinitrobenzene	2220	2,500	88.9	44.4	113	6.6

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Matrix Spike Duplicate of NAPL B

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3580
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-03MSD		
File ID:	D070225.D	Matrix:	NAPL
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/16/2010	Sample Size (g):	0.0225
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	7/3/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-MB		

Analyte		Concentration (mg/kg)	RL	EDL	Comments	
Dimethylphthalate	2220	2,540	88.9	44.4	114	1.2
1,3-Dinitrobenzene	2220	2,370	88.9	44.4	107	2.6
Acenaphthylene	2220	2,440	88.9	44.4	110	0.4
2,6-dinitrotoluene	2220	2,680	88.9	44.4	121	3
1,2-Dinitrobenzene	2220	2,390	88.9	44.4	108	4.7
3-Nitroaniline	2220	2,560	88.9	44.4	115	0.4
Acenaphthene	2220	2,490	88.9	44.4	112	0.4
2,4-Dinitrophenol	2220	917	88.9	44.4	41	4.6
4-Nitrophenol	2220	2,740	88.9	44.4	123	0.4
Dibenzofuran	2220	2,510	88.9	44.4	113	0.8
2,4-dinitrotoluene	2220	2,630	88.9	44.4	118	2.7
2,3,4,6-Tetrachlorophenol	2220	2,520	88.9	44.4	114	3.9
2,3,5,6-Tetrachlorophenol	2220	2,720	88.9	44.4	123	1.5
Diethylphthalate	2220	2,480	88.9	44.4	112	1.2
4-Chlorophenyl-phenylether	2220	2,700	88.9	44.4	122	0.4
Fluorene	2220	2,380	88.9	44.4	104	0.8
4-Nitroaniline	2220	2,550	88.9	44.4	115	3.5
4,6-Dinitro-2-methylphenol	2220	1,360	88.9	44.4	61	3.7
n-Nitrosodiphenylamine	2220	2,550	88.9	44.4	115	0.8
4-Bromophenyl phenyl ether	2220	2,730	88.9	44.4	123	0.4
Hexachlorobenzene	2220	2,880	88.9	44.4	130	1
Pentachlorophenol	2220	2,790	88.9	44.4	126	4.6
Phenanthrene	2220	2,520	88.9	44.4	105	2
Anthracene	2220	2,580	88.9	44.4	114	1.2
Carbazole	2220	2,500	88.9	44.4	113	0.8
Di-n-butylphthalate	2220	2,520	88.9	44.4	114	0.8
Bis(2-ethylhexyl) adipate	2220	2,390	88.9	44.4	108	0.8
Fluoranthene	2220	2,680	88.9	44.4	121	1.5
Pyrene	2220	2,770	88.9	44.4	114	1.1
Butylbenzylphthalate	2220	2,060	88.9	44.4	93	1
Benz[a]anthracene	2220	2,170	88.9	44.4	98	0.5
Chrysene	2220	2,050	88.9	44.4	89	0.5
bis(2-Ethylhexyl)phthalate	2220	2,080	88.9	44.4	88	1.4
Di-n-octylphthalate	2220	2,050	88.9	44.4	92	1
Benzo[b]fluoranthene	2220	2,390	88.9	44.4	108	5.6
Benzo[k]fluoranthene	2220	1,930	88.9	44.4	87	6
Benzo[a]pyrene	2220	2,190	88.9	44.4	99	2.3
Indeno[1,2,3-cd]pyrene	2220	2,340	88.9	44.4	105	2.2
Dibenz[a,h]anthracene	2220	2,230	88.9	44.4	100	0.4
Benzo[g,h,i]perylene	2220	2,210	88.9	44.4	100	0.5

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Matrix Spike Duplicate of NAPL B

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3580
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-03MSD		
File ID:	D070225.D	Matrix:	NAPL
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/16/2010	Sample Size (g):	0.0225
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	7/3/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-MB		

Analyte	Concentration (mg/kg)	RL	EDL	Comments
Extraction Surrogate Recoveries (%)		Limits		
Toluene-d8	107	50 - 120		
4-Bromofluorobenzene	111	50 - 120		
2-Fluorophenol	111	50 - 120		
Phenol-d5	99	50 - 120		
Nitrobenzene-d5	112	50 - 120		
2-Fluorobiphenyl	106	50 - 120		
2,4,6-Tribromophenol	125	50 - 120		
p-Terphenyl-d14	91	50 - 120		

NA - Not applicable.
B - Analyte detected in the Blank.
J - Estimated value; detected between the RL and DL.
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: NAPL C SO-1

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-06		
File ID:	D070212.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/16/2010	Sample Size (g):	4.58
Date Cleanup:	NA	Percent Solid:	44.8%
Date Analyzed:	7/3/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
VOC & SVOC COMPOUNDS:					
cis-1,2-Dichloroethene		U	0.976	0.488	
2,2-Dichloropropane		U	0.976	0.488	
Chloroform		U	0.976	0.488	
1,1,1-Trichloroethane		U	0.976	0.488	
1,2-Dichloroethane		U	0.976	0.488	
1,1-Dichloropropene		U	0.976	0.488	
Benzene	1.36		0.976	0.488	
Carbon Tetrachloride		U	0.976	0.488	
1,2-Dichloropropane		U	0.976	0.488	
Trichloroethene		U	0.976	0.488	
Dibromomethane		U	0.976	0.488	
Bromodichloromethane		U	0.976	0.488	
Pyridine		U	0.976	0.488	
cis-1,3-Dichloropropene		U	0.976	0.488	
N-nitrosodimethylamine		U	0.976	0.488	
Toluene		U	0.976	0.488	
trans-1,3-Dichloropropene		U	0.976	0.488	
1,1,2-Trichloroethane		U	0.976	0.488	
1,3-Dichloropropane		U	0.976	0.488	
Dibromochloromethane		U	0.976	0.488	
1,2-Dibromoethane		U	0.976	0.488	
Tetrachloroethene		U	0.976	0.488	
Chlorobenzene		U	0.976	0.488	
1,1,1,2-Tetrachloroethane		U	0.976	0.488	
Ethylbenzene		U	0.976	0.488	
m/p-Xylenes		U	0.976	0.488	
Bromoform		U	0.976	0.488	
Styrene		U	0.976	0.488	
o-Xylene		U	0.976	0.488	
1,1,2,2-Tetrachloroethane		U	0.976	0.488	
1,2,3-Trichloropropane		U	0.976	0.488	
Isopropylbenzene		U	0.976	0.488	
Bromobenzene		U	0.976	0.488	
2-Chlorotoluene		U	0.976	0.488	
n-Propylbenzene		U	0.976	0.488	
4-Chlorotoluene		U	0.976	0.488	
1,3,5-Trimethylbenzene		U	0.976	0.488	
tert-Butylbenzene		U	0.976	0.488	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: NAPL C SO-1

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-06		
File ID:	D070212.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/16/2010	Sample Size (g):	4.58
Date Cleanup:	NA	Percent Solid:	44.8%
Date Analyzed:	7/3/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
1,2,4-Trimethylbenzene	U	0.976	0.488	
sec-Butylbenzene	U	0.976	0.488	
Phenol	U	0.976	0.488	
bis(2-Chloroethyl)ether	U	0.976	0.488	
Aniline	U	0.976	0.488	
2-Chlorophenol	U	0.976	0.488	
1,3-Dichlorobenzene	U	0.976	0.488	
1,4-Dichlorobenzene	U	0.976	0.488	
p-Isopropyltoluene	U	0.976	0.488	
Benzyl Alcohol	U	0.976	0.488	
2-Methylphenol (m-cresol)	U	0.976	0.488	
1,2-Dichlorobenzene	U	0.976	0.488	
3,4-Methylphenol (o,p-cresol)	U	0.976	0.488	
bis(2-chloroisopropyl)ether	U	0.976	0.488	
n-Butylbenzene	U	0.976	0.488	
N-nitroso-di-n-propylamine	U	0.976	0.488	
Hexachloroethane	U	0.976	0.488	
1,2-Dibromo-3-Chloropropane	U	0.976	0.488	
Nitrobenzene	U	0.976	0.488	
Isophorone	U	0.976	0.488	
2-Nitrophenol	U	0.976	0.488	
2,4-Dimethylphenol	U	0.976	0.488	
bis(2-Chloroethoxy)methane	U	0.976	0.488	
1,2,4-Trichlorobenzene	U	0.976	0.488	
Naphthalene	U	0.976	0.488	
2,4-Dichlorophenol	U	0.976	0.488	
4-Chloroaniline	U	0.976	0.488	
Hexachlorobutadiene	U	0.976	0.488	
1,2,3-Trichlorobenzene	U	0.976	0.488	
4-Chloro-3-methylphenol	U	0.976	0.488	
2-Methylnaphthalene	U	0.976	0.488	
1-Methylnaphthalene	U	0.976	0.488	
Hexachlorocyclopentadiene	U	0.976	0.488	
2,4,6-Trichlorophenol	U	0.976	0.488	
2,4,5-Trichlorophenol	U	0.976	0.488	
Diphenylamine	U	0.976	0.488	
Azobenzene	U	0.976	0.488	
2-Chloronaphthalene	U	0.976	0.488	
2-Nitroaniline	U	0.976	0.488	
1,4-Dinitrobenzene	U	0.976	0.488	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: NAPL C SO-1

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-06		
File ID:	D070212.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/16/2010	Sample Size (g):	4.58
Date Cleanup:	NA	Percent Solid:	44.8%
Date Analyzed:	7/3/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
Dimethylphthalate	U	0.976	0.488	
1,3-Dinitrobenzene	U	0.976	0.488	
Acenaphthylene	U	0.976	0.488	
2,6-dinitrotoluene	U	0.976	0.488	
1,2-Dinitrobenzene	U	0.976	0.488	
3-Nitroaniline	U	0.976	0.488	
Acenaphthene	U	0.976	0.488	
2,4-Dinitrophenol	U	0.976	0.488	
4-Nitrophenol	U	0.976	0.488	
Dibenzofuran	U	0.976	0.488	
2,4-dinitrotoluene	U	0.976	0.488	
2,3,4,6-Tetrachlorophenol	U	0.976	0.488	
2,3,5,6-Tetrachlorophenol	U	0.976	0.488	
Diethylphthalate	U	0.976	0.488	
4-Chlorophenyl-phenylether	U	0.976	0.488	
Fluorene	U	0.976	0.488	
4-Nitroaniline	U	0.976	0.488	
4,6-Dinitro-2-methylphenol	U	0.976	0.488	
n-Nitrosodiphenylamine	U	0.976	0.488	
4-Bromophenyl phenyl ether	U	0.976	0.488	
Hexachlorobenzene	U	0.976	0.488	
Pentachlorophenol	U	0.976	0.488	
Phenanthrene	U	0.976	0.488	
Anthracene	U	0.976	0.488	
Carbazole	U	0.976	0.488	
Di-n-butylphthalate	U	0.976	0.488	
Bis(2-ethylhexyl) adipate	U	0.976	0.488	
Fluoranthene	U	0.976	0.488	
Pyrene	0.500 J	0.976	0.488	
Butylbenzylphthalate	U	0.976	0.488	
Benz[a]anthracene	U	0.976	0.488	
Chrysene	U	0.976	0.488	
bis(2-Ethylhexyl)phthalate	4.15	0.976	0.488	
Di-n-octylphthalate	U	0.976	0.488	
Benzo[b]fluoranthene	U	0.976	0.488	
Benzo[k]fluoranthene	U	0.976	0.488	
Benzo[a]pyrene	U	0.976	0.488	
Indeno[1,2,3-cd]pyrene	U	0.976	0.488	
Dibenz[a,h]anthracene	U	0.976	0.488	
Benzo[g,h,i]perylene	U	0.976	0.488	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: NAPL C SO-1

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-06		
File ID:	D070212.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/16/2010	Sample Size (g):	4.58
Date Cleanup:	NA	Percent Solid:	44.8%
Date Analyzed:	7/3/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
Extraction Surrogate Recoveries (%)		Limits		
Toluene-d8	79	50 - 120		
4-Bromofluorobenzene	86	50 - 120		
2-Fluorophenol	81	50 - 120		
Phenol-d5	85	50 - 120		
Nitrobenzene-d5	85	50 - 120		
2-Fluorobiphenyl	81	50 - 120		
2,4,6-Tribromophenol	96	50 - 120		
p-Terphenyl-d14	68	50 - 120		

NA - Not applicable.
B - Analyte detected in the Blank.
J - Estimated value; detected between the RL and DL.
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: NAPL F SO-1

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-02		
File ID:	D070210.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/16/2010	Sample Size (g):	4.16
Date Cleanup:	NA	Percent Solid:	82.8%
Date Analyzed:	7/2/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
VOC & SVOC COMPOUNDS:					
cis-1,2-Dichloroethene		U	0.581	0.291	
2,2-Dichloropropane		U	0.581	0.291	
Chloroform		U	0.581	0.291	
1,1,1-Trichloroethane		U	0.581	0.291	
1,2-Dichloroethane		U	0.581	0.291	
1,1-Dichloropropene		U	0.581	0.291	
Benzene		U	0.581	0.291	
Carbon Tetrachloride		U	0.581	0.291	
1,2-Dichloropropane		U	0.581	0.291	
Trichloroethene		U	0.581	0.291	
Dibromomethane		U	0.581	0.291	
Bromodichloromethane		U	0.581	0.291	
Pyridine		U	0.581	0.291	
cis-1,3-Dichloropropene		U	0.581	0.291	
N-nitrosodimethylamine		U	0.581	0.291	
Toluene		U	0.581	0.291	
trans-1,3-Dichloropropene		U	0.581	0.291	
1,1,2-Trichloroethane		U	0.581	0.291	
1,3-Dichloropropane		U	0.581	0.291	
Dibromochloromethane		U	0.581	0.291	
1,2-Dibromoethane		U	0.581	0.291	
Tetrachloroethene		U	0.581	0.291	
Chlorobenzene	4.02		0.581	0.291	
1,1,1,2-Tetrachloroethane		U	0.581	0.291	
Ethylbenzene		U	0.581	0.291	
m/p-Xylenes		U	0.581	0.291	
Bromoform		U	0.581	0.291	
Styrene		U	0.581	0.291	
o-Xylene		U	0.581	0.291	
1,1,2,2-Tetrachloroethane		U	0.581	0.291	
1,2,3-Trichloropropane		U	0.581	0.291	
Isopropylbenzene		U	0.581	0.291	
Bromobenzene		U	0.581	0.291	
2-Chlorotoluene		U	0.581	0.291	
n-Propylbenzene		U	0.581	0.291	
4-Chlorotoluene		U	0.581	0.291	
1,3,5-Trimethylbenzene		U	0.581	0.291	
tert-Butylbenzene		U	0.581	0.291	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: NAPL F SO-1

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-02		
File ID:	D070210.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/16/2010	Sample Size (g):	4.16
Date Cleanup:	NA	Percent Solid:	82.8%
Date Analyzed:	7/2/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
1,2,4-Trimethylbenzene		U	0.581	0.291	
sec-Butylbenzene		U	0.581	0.291	
Phenol		U	0.581	0.291	
bis(2-Chloroethyl)ether		U	0.581	0.291	
Aniline		U	0.581	0.291	
2-Chlorophenol		U	0.581	0.291	
1,3-Dichlorobenzene		U	0.581	0.291	
1,4-Dichlorobenzene	0.654		0.581	0.291	
p-Isopropyltoluene		U	0.581	0.291	
Benzyl Alcohol		U	0.581	0.291	
2-Methylphenol (m-cresol)		U	0.581	0.291	
1,2-Dichlorobenzene		U	0.581	0.291	
3,4-Methylphenol (o,p-cresol)		U	0.581	0.291	
bis(2-chloroisopropyl)ether		U	0.581	0.291	
n-Butylbenzene		U	0.581	0.291	
N-nitroso-di-n-propylamine		U	0.581	0.291	
Hexachloroethane		U	0.581	0.291	
1,2-Dibromo-3-Chloropropane		U	0.581	0.291	
Nitrobenzene		U	0.581	0.291	
Isophorone		U	0.581	0.291	
2-Nitrophenol		U	0.581	0.291	
2,4-Dimethylphenol		U	0.581	0.291	
bis(2-Chloroethoxy)methane		U	0.581	0.291	
1,2,4-Trichlorobenzene		U	0.581	0.291	
Naphthalene		U	0.581	0.291	
2,4-Dichlorophenol		U	0.581	0.291	
4-Chloroaniline		U	0.581	0.291	
Hexachlorobutadiene		U	0.581	0.291	
1,2,3-Trichlorobenzene		U	0.581	0.291	
4-Chloro-3-methylphenol		U	0.581	0.291	
2-Methylnaphthalene		U	0.581	0.291	
1-Methylnaphthalene		U	0.581	0.291	
Hexachlorocyclopentadiene		U	0.581	0.291	
2,4,6-Trichlorophenol		U	0.581	0.291	
2,4,5-Trichlorophenol		U	0.581	0.291	
Diphenylamine		U	0.581	0.291	
Azobenzene		U	0.581	0.291	
2-Chloronaphthalene		U	0.581	0.291	
2-Nitroaniline		U	0.581	0.291	
1,4-Dinitrobenzene		U	0.581	0.291	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: NAPL F SO-1

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-02		
File ID:	D070210.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/16/2010	Sample Size (g):	4.16
Date Cleanup:	NA	Percent Solid:	82.8%
Date Analyzed:	7/2/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
Dimethylphthalate	U	0.581	0.291	
1,3-Dinitrobenzene	U	0.581	0.291	
Acenaphthylene	U	0.581	0.291	
2,6-dinitrotoluene	U	0.581	0.291	
1,2-Dinitrobenzene	U	0.581	0.291	
3-Nitroaniline	U	0.581	0.291	
Acenaphthene	U	0.581	0.291	
2,4-Dinitrophenol	U	0.581	0.291	
4-Nitrophenol	U	0.581	0.291	
Dibenzofuran	U	0.581	0.291	
2,4-dinitrotoluene	U	0.581	0.291	
2,3,4,6-Tetrachlorophenol	U	0.581	0.291	
2,3,5,6-Tetrachlorophenol	U	0.581	0.291	
Diethylphthalate	U	0.581	0.291	
4-Chlorophenyl-phenylether	U	0.581	0.291	
Fluorene	U	0.581	0.291	
4-Nitroaniline	U	0.581	0.291	
4,6-Dinitro-2-methylphenol	U	0.581	0.291	
n-Nitrosodiphenylamine	U	0.581	0.291	
4-Bromophenyl phenyl ether	U	0.581	0.291	
Hexachlorobenzene	U	0.581	0.291	
Pentachlorophenol	U	0.581	0.291	
Phenanthrene	U	0.581	0.291	
Anthracene	U	0.581	0.291	
Carbazole	U	0.581	0.291	
Di-n-butylphthalate	U	0.581	0.291	
Bis(2-ethylhexyl) adipate	U	0.581	0.291	
Fluoranthene	U	0.581	0.291	
Pyrene	U	0.581	0.291	
Butylbenzylphthalate	U	0.581	0.291	
Benz[a]anthracene	U	0.581	0.291	
Chrysene	U	0.581	0.291	
bis(2-Ethylhexyl)phthalate	U	0.581	0.291	
Di-n-octylphthalate	U	0.581	0.291	
Benzo[b]fluoranthene	U	0.581	0.291	
Benzo[k]fluoranthene	U	0.581	0.291	
Benzo[a]pyrene	U	0.581	0.291	
Indeno[1,2,3-cd]pyrene	U	0.581	0.291	
Dibenz[a,h]anthracene	U	0.581	0.291	
Benzo[g,h,i]perylene	U	0.581	0.291	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: NAPL F SO-1

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-02		
File ID:	D070210.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/16/2010	Sample Size (g):	4.16
Date Cleanup:	NA	Percent Solid:	82.8%
Date Analyzed:	7/2/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
Extraction Surrogate Recoveries (%)		Limits		
Toluene-d8	80	50 - 120		
4-Bromofluorobenzene	87	50 - 120		
2-Fluorophenol	87	50 - 120		
Phenol-d5	92	50 - 120		
Nitrobenzene-d5	84	50 - 120		
2-Fluorobiphenyl	79	50 - 120		
2,4,6-Tribromophenol	86	50 - 120		
p-Terphenyl-d14	70	50 - 120		

NA - Not applicable.
B - Analyte detected in the Blank.
J - Estimated value; detected between the RL and DL.
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: NAPL B SO-1

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-04		
File ID:	D070211.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/16/2010	Sample Size (g):	4.24
Date Cleanup:	NA	Percent Solid:	68.1%
Date Analyzed:	7/3/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
VOC & SVOC COMPOUNDS:					
cis-1,2-Dichloroethene		U	0.693	0.346	
2,2-Dichloropropane		U	0.693	0.346	
Chloroform		U	0.693	0.346	
1,1,1-Trichloroethane		U	0.693	0.346	
1,2-Dichloroethane		U	0.693	0.346	
1,1-Dichloropropene		U	0.693	0.346	
Benzene		U	0.693	0.346	
Carbon Tetrachloride		U	0.693	0.346	
1,2-Dichloropropane		U	0.693	0.346	
Trichloroethene		U	0.693	0.346	
Dibromomethane		U	0.693	0.346	
Bromodichloromethane		U	0.693	0.346	
Pyridine		U	0.693	0.346	
cis-1,3-Dichloropropene		U	0.693	0.346	
N-nitrosodimethylamine		U	0.693	0.346	
Toluene		U	0.693	0.346	
trans-1,3-Dichloropropene		U	0.693	0.346	
1,1,2-Trichloroethane		U	0.693	0.346	
1,3-Dichloropropane		U	0.693	0.346	
Dibromochloromethane		U	0.693	0.346	
1,2-Dibromoethane		U	0.693	0.346	
Tetrachloroethene		U	0.693	0.346	
Chlorobenzene	2.72		0.693	0.346	
1,1,1,2-Tetrachloroethane		U	0.693	0.346	
Ethylbenzene		U	0.693	0.346	
m/p-Xylenes		U	0.693	0.346	
Bromoform		U	0.693	0.346	
Styrene		U	0.693	0.346	
o-Xylene		U	0.693	0.346	
1,1,2,2-Tetrachloroethane		U	0.693	0.346	
1,2,3-Trichloropropane		U	0.693	0.346	
Isopropylbenzene		U	0.693	0.346	
Bromobenzene		U	0.693	0.346	
2-Chlorotoluene		U	0.693	0.346	
n-Propylbenzene		U	0.693	0.346	
4-Chlorotoluene		U	0.693	0.346	
1,3,5-Trimethylbenzene		U	0.693	0.346	
tert-Butylbenzene		U	0.693	0.346	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: NAPL B SO-1

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-04		
File ID:	D070211.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/16/2010	Sample Size (g):	4.24
Date Cleanup:	NA	Percent Solid:	68.1%
Date Analyzed:	7/3/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
1,2,4-Trimethylbenzene	U	0.693	0.346	
sec-Butylbenzene	U	0.693	0.346	
Phenol	U	0.693	0.346	
bis(2-Chloroethyl)ether	U	0.693	0.346	
Aniline	U	0.693	0.346	
2-Chlorophenol	U	0.693	0.346	
1,3-Dichlorobenzene	U	0.693	0.346	
1,4-Dichlorobenzene	0.354 J	0.693	0.346	
p-Isopropyltoluene	U	0.693	0.346	
Benzyl Alcohol	U	0.693	0.346	
2-Methylphenol (m-cresol)	U	0.693	0.346	
1,2-Dichlorobenzene	U	0.693	0.346	
3,4-Methylphenol (o,p-cresol)	U	0.693	0.346	
bis(2-chloroisopropyl)ether	U	0.693	0.346	
n-Butylbenzene	U	0.693	0.346	
N-nitroso-di-n-propylamine	U	0.693	0.346	
Hexachloroethane	U	0.693	0.346	
1,2-Dibromo-3-Chloropropane	U	0.693	0.346	
Nitrobenzene	U	0.693	0.346	
Isophorone	U	0.693	0.346	
2-Nitrophenol	U	0.693	0.346	
2,4-Dimethylphenol	U	0.693	0.346	
bis(2-Chloroethoxy)methane	U	0.693	0.346	
1,2,4-Trichlorobenzene	U	0.693	0.346	
Naphthalene	U	0.693	0.346	
2,4-Dichlorophenol	U	0.693	0.346	
4-Chloroaniline	U	0.693	0.346	
Hexachlorobutadiene	U	0.693	0.346	
1,2,3-Trichlorobenzene	U	0.693	0.346	
4-Chloro-3-methylphenol	U	0.693	0.346	
2-Methylnaphthalene	U	0.693	0.346	
1-Methylnaphthalene	0.426 J	0.693	0.346	
Hexachlorocyclopentadiene	U	0.693	0.346	
2,4,6-Trichlorophenol	U	0.693	0.346	
2,4,5-Trichlorophenol	U	0.693	0.346	
Diphenylamine	U	0.693	0.346	
Azobenzene	U	0.693	0.346	
2-Chloronaphthalene	U	0.693	0.346	
2-Nitroaniline	U	0.693	0.346	
1,4-Dinitrobenzene	U	0.693	0.346	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: NAPL B SO-1

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-04		
File ID:	D070211.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/16/2010	Sample Size (g):	4.24
Date Cleanup:	NA	Percent Solid:	68.1%
Date Analyzed:	7/3/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
Dimethylphthalate	U	0.693	0.346	
1,3-Dinitrobenzene	U	0.693	0.346	
Acenaphthylene	U	0.693	0.346	
2,6-dinitrotoluene	U	0.693	0.346	
1,2-Dinitrobenzene	U	0.693	0.346	
3-Nitroaniline	U	0.693	0.346	
Acenaphthene	U	0.693	0.346	
2,4-Dinitrophenol	U	0.693	0.346	
4-Nitrophenol	U	0.693	0.346	
Dibenzofuran	U	0.693	0.346	
2,4-dinitrotoluene	U	0.693	0.346	
2,3,4,6-Tetrachlorophenol	U	0.693	0.346	
2,3,5,6-Tetrachlorophenol	U	0.693	0.346	
Diethylphthalate	U	0.693	0.346	
4-Chlorophenyl-phenylether	U	0.693	0.346	
Fluorene	0.688 J	0.693	0.346	
4-Nitroaniline	U	0.693	0.346	
4,6-Dinitro-2-methylphenol	U	0.693	0.346	
n-Nitrosodiphenylamine	U	0.693	0.346	
4-Bromophenyl phenyl ether	U	0.693	0.346	
Hexachlorobenzene	U	0.693	0.346	
Pentachlorophenol	U	0.693	0.346	
Phenanthrene	0.416 J	0.693	0.346	
Anthracene	0.552 J	0.693	0.346	
Carbazole	U	0.693	0.346	
Di-n-butylphthalate	U	0.693	0.346	
Bis(2-ethylhexyl) adipate	U	0.693	0.346	
Fluoranthene	0.371 J	0.693	0.346	
Pyrene	1.6	0.693	0.346	
Butylbenzylphthalate	U	0.693	0.346	
Benz[a]anthracene	U	0.693	0.346	
Chrysene	0.481 J	0.693	0.346	
bis(2-Ethylhexyl)phthalate	0.572 J	0.693	0.346	
Di-n-octylphthalate	U	0.693	0.346	
Benzo[b]fluoranthene	U	0.693	0.346	
Benzo[k]fluoranthene	U	0.693	0.346	
Benzo[a]pyrene	U	0.693	0.346	
Indeno[1,2,3-cd]pyrene	U	0.693	0.346	
Dibenz[a,h]anthracene	U	0.693	0.346	
Benzo[g,h,i]perylene	U	0.693	0.346	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: NAPL B SO-1

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-04		
File ID:	D070211.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/16/2010	Sample Size (g):	4.24
Date Cleanup:	NA	Percent Solid:	68.1%
Date Analyzed:	7/3/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
Extraction Surrogate Recoveries (%)		Limits		
Toluene-d8	73	50 - 120		
4-Bromofluorobenzene	81	50 - 120		
2-Fluorophenol	80	50 - 120		
Phenol-d5	89	50 - 120		
Nitrobenzene-d5	86	50 - 120		
2-Fluorobiphenyl	79	50 - 120		
2,4,6-Tribromophenol	88	50 - 120		
p-Terphenyl-d14	72	50 - 120		

NA - Not applicable.
B - Analyte detected in the Blank.
J - Estimated value; detected between the RL and DL.
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: NAPL D SO-1

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-08		
File ID:	D070219.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/16/2010	Sample Size (g):	4.13
Date Cleanup:	NA	Percent Solid:	44.7%
Date Analyzed:	7/3/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
VOC & SVOC COMPOUNDS:					
cis-1,2-Dichloroethene		U	1.08	0.541	
2,2-Dichloropropane		U	1.08	0.541	
Chloroform		U	1.08	0.541	
1,1,1-Trichloroethane		U	1.08	0.541	
1,2-Dichloroethane		U	1.08	0.541	
1,1-Dichloropropene		U	1.08	0.541	
Benzene		U	1.08	0.541	
Carbon Tetrachloride		U	1.08	0.541	
1,2-Dichloropropane		U	1.08	0.541	
Trichloroethene		U	1.08	0.541	
Dibromomethane		U	1.08	0.541	
Bromodichloromethane		U	1.08	0.541	
Pyridine		U	1.08	0.541	
cis-1,3-Dichloropropene		U	1.08	0.541	
N-nitrosodimethylamine		U	1.08	0.541	
Toluene		U	1.08	0.541	
trans-1,3-Dichloropropene		U	1.08	0.541	
1,1,2-Trichloroethane		U	1.08	0.541	
1,3-Dichloropropane		U	1.08	0.541	
Dibromochloromethane		U	1.08	0.541	
1,2-Dibromoethane		U	1.08	0.541	
Tetrachloroethene		U	1.08	0.541	
Chlorobenzene	19.4		1.08	0.541	
1,1,1,2-Tetrachloroethane		U	1.08	0.541	
Ethylbenzene		U	1.08	0.541	
m/p-Xylenes		U	1.08	0.541	
Bromoform		U	1.08	0.541	
Styrene		U	1.08	0.541	
o-Xylene		U	1.08	0.541	
1,1,2,2-Tetrachloroethane		U	1.08	0.541	
1,2,3-Trichloropropane		U	1.08	0.541	
Isopropylbenzene		U	1.08	0.541	
Bromobenzene		U	1.08	0.541	
2-Chlorotoluene	0.584	J	1.08	0.541	
n-Propylbenzene		U	1.08	0.541	
4-Chlorotoluene		U	1.08	0.541	
1,3,5-Trimethylbenzene		U	1.08	0.541	
tert-Butylbenzene		U	1.08	0.541	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: NAPL D SO-1

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-08		
File ID:	D070219.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/16/2010	Sample Size (g):	4.13
Date Cleanup:	NA	Percent Solid:	44.7%
Date Analyzed:	7/3/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
1,2,4-Trimethylbenzene		U	1.08	0.541	
sec-Butylbenzene		U	1.08	0.541	
Phenol		U	1.08	0.541	
bis(2-Chloroethyl)ether		U	1.08	0.541	
Aniline		U	1.08	0.541	
2-Chlorophenol		U	1.08	0.541	
1,3-Dichlorobenzene	30.8		1.08	0.541	
1,4-Dichlorobenzene	51.4		1.08	0.541	
p-Isopropyltoluene		U	1.08	0.541	
Benzyl Alcohol		U	1.08	0.541	
2-Methylphenol (m-cresol)		U	1.08	0.541	
1,2-Dichlorobenzene	87.5		1.08	0.541	
3,4-Methylphenol (o,p-cresol)		U	1.08	0.541	
bis(2-chloroisopropyl)ether		U	1.08	0.541	
n-Butylbenzene		U	1.08	0.541	
N-nitroso-di-n-propylamine		U	1.08	0.541	
Hexachloroethane		U	1.08	0.541	
1,2-Dibromo-3-Chloropropane		U	1.08	0.541	
Nitrobenzene		U	1.08	0.541	
Isophorone		U	1.08	0.541	
2-Nitrophenol		U	1.08	0.541	
2,4-Dimethylphenol		U	1.08	0.541	
bis(2-Chloroethoxy)methane		U	1.08	0.541	
1,2,4-Trichlorobenzene	24.9		1.08	0.541	
Naphthalene		U	1.08	0.541	
2,4-Dichlorophenol		U	1.08	0.541	
4-Chloroaniline		U	1.08	0.541	
Hexachlorobutadiene		U	1.08	0.541	
1,2,3-Trichlorobenzene	3.58		1.08	0.541	
4-Chloro-3-methylphenol		U	1.08	0.541	
2-Methylnaphthalene		U	1.08	0.541	
1-Methylnaphthalene	1.44		1.08	0.541	
Hexachlorocyclopentadiene		U	1.08	0.541	
2,4,6-Trichlorophenol		U	1.08	0.541	
2,4,5-Trichlorophenol		U	1.08	0.541	
Diphenylamine		U	1.08	0.541	
Azobenzene		U	1.08	0.541	
2-Chloronaphthalene		U	1.08	0.541	
2-Nitroaniline		U	1.08	0.541	
1,4-Dinitrobenzene		U	1.08	0.541	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: NAPL D SO-1

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-08		
File ID:	D070219.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/16/2010	Sample Size (g):	4.13
Date Cleanup:	NA	Percent Solid:	44.7%
Date Analyzed:	7/3/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
Dimethylphthalate		U	1.08	0.541	
1,3-Dinitrobenzene		U	1.08	0.541	
Acenaphthylene		U	1.08	0.541	
2,6-dinitrotoluene		U	1.08	0.541	
1,2-Dinitrobenzene		U	1.08	0.541	
3-Nitroaniline		U	1.08	0.541	
Acenaphthene		U	1.08	0.541	
2,4-Dinitrophenol		U	1.08	0.541	
4-Nitrophenol		U	1.08	0.541	
Dibenzofuran		U	1.08	0.541	
2,4-dinitrotoluene		U	1.08	0.541	
2,3,4,6-Tetrachlorophenol		U	1.08	0.541	
2,3,5,6-Tetrachlorophenol		U	1.08	0.541	
Diethylphthalate		U	1.08	0.541	
4-Chlorophenyl-phenylether		U	1.08	0.541	
Fluorene		U	1.08	0.541	
4-Nitroaniline		U	1.08	0.541	
4,6-Dinitro-2-methylphenol		U	1.08	0.541	
n-Nitrosodiphenylamine		U	1.08	0.541	
4-Bromophenyl phenyl ether		U	1.08	0.541	
Hexachlorobenzene		U	1.08	0.541	
Pentachlorophenol		U	1.08	0.541	
Phenanthrene		U	1.08	0.541	
Anthracene		U	1.08	0.541	
Carbazole		U	1.08	0.541	
Di-n-butylphthalate	2.27		1.08	0.541	
Bis(2-ethylhexyl) adipate		U	1.08	0.541	
Fluoranthene		U	1.08	0.541	
Pyrene		U	1.08	0.541	
Butylbenzylphthalate	1.2		1.08	0.541	
Benz[a]anthracene		U	1.08	0.541	
Chrysene		U	1.08	0.541	
bis(2-Ethylhexyl)phthalate	22.1		1.08	0.541	
Di-n-octylphthalate	1.39		1.08	0.541	
Benzo[b]fluoranthene		U	1.08	0.541	
Benzo[k]fluoranthene		U	1.08	0.541	
Benzo[a]pyrene		U	1.08	0.541	
Indeno[1,2,3-cd]pyrene		U	1.08	0.541	
Dibenz[a,h]anthracene		U	1.08	0.541	
Benzo[g,h,i]perylene		U	1.08	0.541	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: NAPL D SO-1

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-08		
File ID:	D070219.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/16/2010	Sample Size (g):	4.13
Date Cleanup:	NA	Percent Solid:	44.7%
Date Analyzed:	7/3/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
Extraction Surrogate Recoveries (%)		Limits		
Toluene-d8	68	50 - 120		
4-Bromofluorobenzene	79	50 - 120		
2-Fluorophenol	81	50 - 120		
Phenol-d5	85	50 - 120		
Nitrobenzene-d5	80	50 - 120		
2-Fluorobiphenyl	76	50 - 120		
2,4,6-Tribromophenol	65	50 - 120		
p-Terphenyl-d14	66	50 - 120		

NA - Not applicable.
B - Analyte detected in the Blank.
J - Estimated value; detected between the RL and DL.
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: NAPL E SO-1

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-10		
File ID:	D070220.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/16/2010	Sample Size (g):	4.34
Date Cleanup:	NA	Percent Solid:	64.5%
Date Analyzed:	7/3/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
VOC & SVOC COMPOUNDS:					
cis-1,2-Dichloroethene		U	0.714	0.357	
2,2-Dichloropropane		U	0.714	0.357	
Chloroform		U	0.714	0.357	
1,1,1-Trichloroethane		U	0.714	0.357	
1,2-Dichloroethane		U	0.714	0.357	
1,1-Dichloropropene		U	0.714	0.357	
Benzene		U	0.714	0.357	
Carbon Tetrachloride		U	0.714	0.357	
1,2-Dichloropropane		U	0.714	0.357	
Trichloroethene		U	0.714	0.357	
Dibromomethane		U	0.714	0.357	
Bromodichloromethane		U	0.714	0.357	
Pyridine		U	0.714	0.357	
cis-1,3-Dichloropropene		U	0.714	0.357	
N-nitrosodimethylamine		U	0.714	0.357	
Toluene		U	0.714	0.357	
trans-1,3-Dichloropropene		U	0.714	0.357	
1,1,2-Trichloroethane		U	0.714	0.357	
1,3-Dichloropropane		U	0.714	0.357	
Dibromochloromethane		U	0.714	0.357	
1,2-Dibromoethane		U	0.714	0.357	
Tetrachloroethene		U	0.714	0.357	
Chlorobenzene	3.18		0.714	0.357	
1,1,1,2-Tetrachloroethane		U	0.714	0.357	
Ethylbenzene		U	0.714	0.357	
m/p-Xylenes		U	0.714	0.357	
Bromoform		U	0.714	0.357	
Styrene		U	0.714	0.357	
o-Xylene		U	0.714	0.357	
1,1,2,2-Tetrachloroethane		U	0.714	0.357	
1,2,3-Trichloropropane		U	0.714	0.357	
Isopropylbenzene		U	0.714	0.357	
Bromobenzene		U	0.714	0.357	
2-Chlorotoluene		U	0.714	0.357	
n-Propylbenzene		U	0.714	0.357	
4-Chlorotoluene		U	0.714	0.357	
1,3,5-Trimethylbenzene		U	0.714	0.357	
tert-Butylbenzene		U	0.714	0.357	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: NAPL E SO-1

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-10		
File ID:	D070220.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/16/2010	Sample Size (g):	4.34
Date Cleanup:	NA	Percent Solid:	64.5%
Date Analyzed:	7/3/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
1,2,4-Trimethylbenzene		U	0.714	0.357	
sec-Butylbenzene		U	0.714	0.357	
Phenol		U	0.714	0.357	
bis(2-Chloroethyl)ether		U	0.714	0.357	
Aniline		U	0.714	0.357	
2-Chlorophenol		U	0.714	0.357	
1,3-Dichlorobenzene	1.76		0.714	0.357	
1,4-Dichlorobenzene	4.02		0.714	0.357	
p-Isopropyltoluene		U	0.714	0.357	
Benzyl Alcohol		U	0.714	0.357	
2-Methylphenol (m-cresol)		U	0.714	0.357	
1,2-Dichlorobenzene	9.85		0.714	0.357	
3,4-Methylphenol (o,p-cresol)	0.365	J	0.714	0.357	
bis(2-chloroisopropyl)ether		U	0.714	0.357	
n-Butylbenzene		U	0.714	0.357	
N-nitroso-di-n-propylamine		U	0.714	0.357	
Hexachloroethane		U	0.714	0.357	
1,2-Dibromo-3-Chloropropane		U	0.714	0.357	
Nitrobenzene		U	0.714	0.357	
Isophorone		U	0.714	0.357	
2-Nitrophenol		U	0.714	0.357	
2,4-Dimethylphenol	1.12		0.714	0.357	
bis(2-Chloroethoxy)methane		U	0.714	0.357	
1,2,4-Trichlorobenzene	1.27		0.714	0.357	
Naphthalene		U	0.714	0.357	
2,4-Dichlorophenol		U	0.714	0.357	
4-Chloroaniline		U	0.714	0.357	
Hexachlorobutadiene		U	0.714	0.357	
1,2,3-Trichlorobenzene	1.1		0.714	0.357	
4-Chloro-3-methylphenol		U	0.714	0.357	
2-Methylnaphthalene		U	0.714	0.357	
1-Methylnaphthalene		U	0.714	0.357	
Hexachlorocyclopentadiene		U	0.714	0.357	
2,4,6-Trichlorophenol		U	0.714	0.357	
2,4,5-Trichlorophenol		U	0.714	0.357	
Diphenylamine		U	0.714	0.357	
Azobenzene		U	0.714	0.357	
2-Chloronaphthalene		U	0.714	0.357	
2-Nitroaniline		U	0.714	0.357	
1,4-Dinitrobenzene		U	0.714	0.357	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: NAPL E SO-1

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-10		
File ID:	D070220.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/16/2010	Sample Size (g):	4.34
Date Cleanup:	NA	Percent Solid:	64.5%
Date Analyzed:	7/3/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
Dimethylphthalate		U	0.714	0.357	
1,3-Dinitrobenzene		U	0.714	0.357	
Acenaphthylene		U	0.714	0.357	
2,6-dinitrotoluene		U	0.714	0.357	
1,2-Dinitrobenzene		U	0.714	0.357	
3-Nitroaniline		U	0.714	0.357	
Acenaphthene		U	0.714	0.357	
2,4-Dinitrophenol		U	0.714	0.357	
4-Nitrophenol		U	0.714	0.357	
Dibenzofuran		U	0.714	0.357	
2,4-dinitrotoluene		U	0.714	0.357	
2,3,4,6-Tetrachlorophenol		U	0.714	0.357	
2,3,5,6-Tetrachlorophenol		U	0.714	0.357	
Diethylphthalate		U	0.714	0.357	
4-Chlorophenyl-phenylether		U	0.714	0.357	
Fluorene		U	0.714	0.357	
4-Nitroaniline		U	0.714	0.357	
4,6-Dinitro-2-methylphenol		U	0.714	0.357	
n-Nitrosodiphenylamine		U	0.714	0.357	
4-Bromophenyl phenyl ether		U	0.714	0.357	
Hexachlorobenzene		U	0.714	0.357	
Pentachlorophenol		U	0.714	0.357	
Phenanthrene		U	0.714	0.357	
Anthracene		U	0.714	0.357	
Carbazole		U	0.714	0.357	
Di-n-butylphthalate	1.01		0.714	0.357	
Bis(2-ethylhexyl) adipate		U	0.714	0.357	
Fluoranthene		U	0.714	0.357	
Pyrene		U	0.714	0.357	
Butylbenzylphthalate	0.813		0.714	0.357	
Benz[a]anthracene		U	0.714	0.357	
Chrysene		U	0.714	0.357	
bis(2-Ethylhexyl)phthalate	7.68		0.714	0.357	
Di-n-octylphthalate	0.634	J	0.714	0.357	
Benzo[b]fluoranthene		U	0.714	0.357	
Benzo[k]fluoranthene		U	0.714	0.357	
Benzo[a]pyrene		U	0.714	0.357	
Indeno[1,2,3-cd]pyrene		U	0.714	0.357	
Dibenz[a,h]anthracene		U	0.714	0.357	
Benzo[g,h,i]perylene		U	0.714	0.357	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: NAPL E SO-1

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-10		
File ID:	D070220.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/16/2010	Sample Size (g):	4.34
Date Cleanup:	NA	Percent Solid:	64.5%
Date Analyzed:	7/3/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
Extraction Surrogate Recoveries (%)		Limits		
Toluene-d8	62	50 - 120		
4-Bromofluorobenzene	77	50 - 120		
2-Fluorophenol	83	50 - 120		
Phenol-d5	89	50 - 120		
Nitrobenzene-d5	79	50 - 120		
2-Fluorobiphenyl	106	50 - 120		
2,4,6-Tribromophenol	22	50 - 120		
p-Terphenyl-d14	68	50 - 120		

NA - Not applicable.
B - Analyte detected in the Blank.
J - Estimated value; detected between the RL and DL.
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: DUP 061110

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-12		
File ID:	D070221.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/16/2010	Sample Size (g):	4.20
Date Cleanup:	NA	Percent Solid:	74.7%
Date Analyzed:	7/3/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
VOC & SVOC COMPOUNDS:					
cis-1,2-Dichloroethene		U	0.637	0.318	
2,2-Dichloropropane		U	0.637	0.318	
Chloroform		U	0.637	0.318	
1,1,1-Trichloroethane		U	0.637	0.318	
1,2-Dichloroethane		U	0.637	0.318	
1,1-Dichloropropene		U	0.637	0.318	
Benzene		U	0.637	0.318	
Carbon Tetrachloride		U	0.637	0.318	
1,2-Dichloropropane		U	0.637	0.318	
Trichloroethene		U	0.637	0.318	
Dibromomethane		U	0.637	0.318	
Bromodichloromethane		U	0.637	0.318	
Pyridine		U	0.637	0.318	
cis-1,3-Dichloropropene		U	0.637	0.318	
N-nitrosodimethylamine		U	0.637	0.318	
Toluene		U	0.637	0.318	
trans-1,3-Dichloropropene		U	0.637	0.318	
1,1,2-Trichloroethane		U	0.637	0.318	
1,3-Dichloropropane		U	0.637	0.318	
Dibromochloromethane		U	0.637	0.318	
1,2-Dibromoethane		U	0.637	0.318	
Tetrachloroethene		U	0.637	0.318	
Chlorobenzene	2.12		0.637	0.318	
1,1,1,2-Tetrachloroethane		U	0.637	0.318	
Ethylbenzene		U	0.637	0.318	
m/p-Xylenes		U	0.637	0.318	
Bromoform		U	0.637	0.318	
Styrene		U	0.637	0.318	
o-Xylene		U	0.637	0.318	
1,1,2,2-Tetrachloroethane		U	0.637	0.318	
1,2,3-Trichloropropane		U	0.637	0.318	
Isopropylbenzene		U	0.637	0.318	
Bromobenzene		U	0.637	0.318	
2-Chlorotoluene		U	0.637	0.318	
n-Propylbenzene		U	0.637	0.318	
4-Chlorotoluene		U	0.637	0.318	
1,3,5-Trimethylbenzene		U	0.637	0.318	
tert-Butylbenzene		U	0.637	0.318	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: DUP 061110

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-12		
File ID:	D070221.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/16/2010	Sample Size (g):	4.20
Date Cleanup:	NA	Percent Solid:	74.7%
Date Analyzed:	7/3/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
1,2,4-Trimethylbenzene	U	0.637	0.318	
sec-Butylbenzene	U	0.637	0.318	
Phenol	U	0.637	0.318	
bis(2-Chloroethyl)ether	U	0.637	0.318	
Aniline	U	0.637	0.318	
2-Chlorophenol	U	0.637	0.318	
1,3-Dichlorobenzene	U	0.637	0.318	
1,4-Dichlorobenzene	U	0.637	0.318	
p-Isopropyltoluene	U	0.637	0.318	
Benzyl Alcohol	U	0.637	0.318	
2-Methylphenol (m-cresol)	U	0.637	0.318	
1,2-Dichlorobenzene	U	0.637	0.318	
3,4-Methylphenol (o,p-cresol)	U	0.637	0.318	
bis(2-chloroisopropyl)ether	U	0.637	0.318	
n-Butylbenzene	U	0.637	0.318	
N-nitroso-di-n-propylamine	U	0.637	0.318	
Hexachloroethane	U	0.637	0.318	
1,2-Dibromo-3-Chloropropane	U	0.637	0.318	
Nitrobenzene	U	0.637	0.318	
Isophorone	U	0.637	0.318	
2-Nitrophenol	U	0.637	0.318	
2,4-Dimethylphenol	U	0.637	0.318	
bis(2-Chloroethoxy)methane	U	0.637	0.318	
1,2,4-Trichlorobenzene	U	0.637	0.318	
Naphthalene	U	0.637	0.318	
2,4-Dichlorophenol	U	0.637	0.318	
4-Chloroaniline	U	0.637	0.318	
Hexachlorobutadiene	U	0.637	0.318	
1,2,3-Trichlorobenzene	U	0.637	0.318	
4-Chloro-3-methylphenol	U	0.637	0.318	
2-Methylnaphthalene	U	0.637	0.318	
1-Methylnaphthalene	U	0.637	0.318	
Hexachlorocyclopentadiene	U	0.637	0.318	
2,4,6-Trichlorophenol	U	0.637	0.318	
2,4,5-Trichlorophenol	U	0.637	0.318	
Diphenylamine	U	0.637	0.318	
Azobenzene	U	0.637	0.318	
2-Chloronaphthalene	U	0.637	0.318	
2-Nitroaniline	U	0.637	0.318	
1,4-Dinitrobenzene	U	0.637	0.318	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: DUP 061110

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-12		
File ID:	D070221.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/16/2010	Sample Size (g):	4.20
Date Cleanup:	NA	Percent Solid:	74.7%
Date Analyzed:	7/3/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
Dimethylphthalate		U	0.637	0.318	
1,3-Dinitrobenzene		U	0.637	0.318	
Acenaphthylene		U	0.637	0.318	
2,6-dinitrotoluene		U	0.637	0.318	
1,2-Dinitrobenzene		U	0.637	0.318	
3-Nitroaniline		U	0.637	0.318	
Acenaphthene		U	0.637	0.318	
2,4-Dinitrophenol		U	0.637	0.318	
4-Nitrophenol		U	0.637	0.318	
Dibenzofuran		U	0.637	0.318	
2,4-dinitrotoluene		U	0.637	0.318	
2,3,4,6-Tetrachlorophenol		U	0.637	0.318	
2,3,5,6-Tetrachlorophenol		U	0.637	0.318	
Diethylphthalate		U	0.637	0.318	
4-Chlorophenyl-phenylether		U	0.637	0.318	
Fluorene		U	0.637	0.318	
4-Nitroaniline		U	0.637	0.318	
4,6-Dinitro-2-methylphenol		U	0.637	0.318	
n-Nitrosodiphenylamine		U	0.637	0.318	
4-Bromophenyl phenyl ether		U	0.637	0.318	
Hexachlorobenzene		U	0.637	0.318	
Pentachlorophenol		U	0.637	0.318	
Phenanthrene		U	0.637	0.318	
Anthracene		U	0.637	0.318	
Carbazole		U	0.637	0.318	
Di-n-butylphthalate		U	0.637	0.318	
Bis(2-ethylhexyl) adipate		U	0.637	0.318	
Fluoranthene		U	0.637	0.318	
Pyrene	0.744		0.637	0.318	
Butylbenzylphthalate		U	0.637	0.318	
Benz[a]anthracene		U	0.637	0.318	
Chrysene		U	0.637	0.318	
bis(2-Ethylhexyl)phthalate		U	0.637	0.318	
Di-n-octylphthalate		U	0.637	0.318	
Benzo[b]fluoranthene		U	0.637	0.318	
Benzo[k]fluoranthene		U	0.637	0.318	
Benzo[a]pyrene		U	0.637	0.318	
Indeno[1,2,3-cd]pyrene		U	0.637	0.318	
Dibenz[a,h]anthracene		U	0.637	0.318	
Benzo[g,h,i]perylene		U	0.637	0.318	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: DUP 061110

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-12		
File ID:	D070221.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/16/2010	Sample Size (g):	4.20
Date Cleanup:	NA	Percent Solid:	74.7%
Date Analyzed:	7/3/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
Extraction Surrogate Recoveries (%)		Limits		
Toluene-d8	85	50 - 120		
4-Bromofluorobenzene	95	50 - 120		
2-Fluorophenol	92	50 - 120		
Phenol-d5	96	50 - 120		
Nitrobenzene-d5	95	50 - 120		
2-Fluorobiphenyl	83	50 - 120		
2,4,6-Tribromophenol	108	50 - 120		
p-Terphenyl-d14	75	50 - 120		

NA - Not applicable.
B - Analyte detected in the Blank.
J - Estimated value; detected between the RL and DL.
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: HD2-0-0.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-20		
File ID:	D071647.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/16/2010	Sample Size (g):	4.34
Date Cleanup:	NA	Percent Solid:	48.9%
Date Analyzed:	7/18/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
VOC & SVOC COMPOUNDS:				
cis-1,2-Dichloroethene	U	0.943	0.472	
2,2-Dichloropropane	U	0.943	0.472	
Chloroform	U	0.943	0.472	
1,1,1-Trichloroethane	U	0.943	0.472	
1,2-Dichloroethane	U	0.943	0.472	
1,1-Dichloropropene	U	0.943	0.472	
Benzene	U	0.943	0.472	
Carbon Tetrachloride	U	0.943	0.472	
1,2-Dichloropropane	U	0.943	0.472	
Trichloroethene	U	0.943	0.472	
Dibromomethane	U	0.943	0.472	
Bromodichloromethane	U	0.943	0.472	
Pyridine	U	0.943	0.472	
cis-1,3-Dichloropropene	U	0.943	0.472	
N-nitrosodimethylamine	U	0.943	0.472	
Toluene	0.669 J	0.943	0.472	
trans-1,3-Dichloropropene	U	0.943	0.472	
1,1,2-Trichloroethane	U	0.943	0.472	
1,3-Dichloropropane	U	0.943	0.472	
Dibromochloromethane	U	0.943	0.472	
1,2-Dibromoethane	U	0.943	0.472	
Tetrachloroethene	U	0.943	0.472	
Chlorobenzene	U	0.943	0.472	
1,1,1,2-Tetrachloroethane	U	0.943	0.472	
Ethylbenzene	U	0.943	0.472	
m/p-Xylenes	U	0.943	0.472	
Bromoform	U	0.943	0.472	
Styrene	U	0.943	0.472	
o-Xylene	U	0.943	0.472	
1,1,2,2-Tetrachloroethane	U	0.943	0.472	
1,2,3-Trichloropropane	U	0.943	0.472	
Isopropylbenzene	U	0.943	0.472	
Bromobenzene	U	0.943	0.472	
2-Chlorotoluene	U	0.943	0.472	
n-Propylbenzene	U	0.943	0.472	
4-Chlorotoluene	U	0.943	0.472	
1,3,5-Trimethylbenzene	U	0.943	0.472	
tert-Butylbenzene	U	0.943	0.472	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: HD2-0-0.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-20		
File ID:	D071647.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/16/2010	Sample Size (g):	4.34
Date Cleanup:	NA	Percent Solid:	48.9%
Date Analyzed:	7/18/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
1,2,4-Trimethylbenzene		U	0.943	0.472	
sec-Butylbenzene		U	0.943	0.472	
Phenol		U	0.943	0.472	
bis(2-Chloroethyl)ether		U	0.943	0.472	
Aniline		U	0.943	0.472	
2-Chlorophenol		U	0.943	0.472	
1,3-Dichlorobenzene		U	0.943	0.472	
1,4-Dichlorobenzene		U	0.943	0.472	
p-Isopropyltoluene		U	0.943	0.472	
Benzyl Alcohol		U	0.943	0.472	
2-Methylphenol (m-cresol)		U	0.943	0.472	
1,2-Dichlorobenzene		U	0.943	0.472	
3,4-Methylphenol (o,p-cresol)		U	0.943	0.472	
bis(2-chloroisopropyl)ether		U	0.943	0.472	
n-Butylbenzene		U	0.943	0.472	
N-nitroso-di-n-propylamine		U	0.943	0.472	
Hexachloroethane		U	0.943	0.472	
1,2-Dibromo-3-Chloropropane		U	0.943	0.472	
Nitrobenzene		U	0.943	0.472	
Isophorone		U	0.943	0.472	
2-Nitrophenol		U	0.943	0.472	
2,4-Dimethylphenol		U	0.943	0.472	
bis(2-Chloroethoxy)methane		U	0.943	0.472	
1,2,4-Trichlorobenzene		U	0.943	0.472	
Naphthalene		U	0.943	0.472	
2,4-Dichlorophenol		U	0.943	0.472	
4-Chloroaniline		U	0.943	0.472	
Hexachlorobutadiene		U	0.943	0.472	
1,2,3-Trichlorobenzene		U	0.943	0.472	
4-Chloro-3-methylphenol		U	0.943	0.472	
2-Methylnaphthalene		U	0.943	0.472	
1-Methylnaphthalene		U	0.943	0.472	
Hexachlorocyclopentadiene		U	0.943	0.472	
2,4,6-Trichlorophenol		U	0.943	0.472	
2,4,5-Trichlorophenol		U	0.943	0.472	
Diphenylamine		U	0.943	0.472	
Azobenzene		U	0.943	0.472	
2-Chloronaphthalene		U	0.943	0.472	
2-Nitroaniline		U	0.943	0.472	
1,4-Dinitrobenzene		U	0.943	0.472	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: HD2-0-0.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-20		
File ID:	D071647.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/16/2010	Sample Size (g):	4.34
Date Cleanup:	NA	Percent Solid:	48.9%
Date Analyzed:	7/18/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
Dimethylphthalate	U	0.943	0.472	
1,3-Dinitrobenzene	U	0.943	0.472	
Acenaphthylene	U	0.943	0.472	
2,6-dinitrotoluene	U	0.943	0.472	
1,2-Dinitrobenzene	U	0.943	0.472	
3-Nitroaniline	U	0.943	0.472	
Acenaphthene	U	0.943	0.472	
2,4-Dinitrophenol	U	0.943	0.472	
4-Nitrophenol	U	0.943	0.472	
Dibenzofuran	U	0.943	0.472	
2,4-dinitrotoluene	U	0.943	0.472	
2,3,4,6-Tetrachlorophenol	U	0.943	0.472	
2,3,5,6-Tetrachlorophenol	U	0.943	0.472	
Diethylphthalate	U	0.943	0.472	
4-Chlorophenyl-phenylether	U	0.943	0.472	
Fluorene	U	0.943	0.472	
4-Nitroaniline	U	0.943	0.472	
4,6-Dinitro-2-methylphenol	U	0.943	0.472	
n-Nitrosodiphenylamine	U	0.943	0.472	
4-Bromophenyl phenyl ether	U	0.943	0.472	
Hexachlorobenzene	U	0.943	0.472	
Pentachlorophenol	U	0.943	0.472	
Phenanthrene	U	0.943	0.472	
Anthracene	U	0.943	0.472	
Carbazole	U	0.943	0.472	
Di-n-butylphthalate	U	0.943	0.472	
Bis(2-ethylhexyl) adipate	U	0.943	0.472	
Fluoranthene	1.12	0.943	0.472	
Pyrene	0.910 J	0.943	0.472	
Butylbenzylphthalate	U	0.943	0.472	
Benz[a]anthracene	0.639 J	0.943	0.472	
Chrysene	0.865 J	0.943	0.472	
bis(2-Ethylhexyl)phthalate	26.8	0.943	0.472	
Di-n-octylphthalate	U	0.943	0.472	
Benzo[b]fluoranthene	0.854 J	0.943	0.472	
Benzo[k]fluoranthene	0.491 J	0.943	0.472	
Benzo[a]pyrene	0.613 J	0.943	0.472	
Indeno[1,2,3-cd]pyrene	0.527 J	0.943	0.472	
Dibenz[a,h]anthracene	U	0.943	0.472	
Benzo[g,h,i]perylene	U	0.943	0.472	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: HD2-0-0.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-20		
File ID:	D071647.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/16/2010	Sample Size (g):	4.34
Date Cleanup:	NA	Percent Solid:	48.9%
Date Analyzed:	7/18/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
Extraction Surrogate Recoveries (%)		Limits		
Toluene-d8	67	50 - 120		
4-Bromofluorobenzene	77	50 - 120		
2-Fluorophenol	74	50 - 120		
Phenol-d5	97	50 - 120		
Nitrobenzene-d5	74	50 - 120		
2-Fluorobiphenyl	73	50 - 120		
2,4,6-Tribromophenol	90	50 - 120		
p-Terphenyl-d14	80	50 - 120		

NA - Not applicable.
B - Analyte detected in the Blank.
J - Estimated value; detected between the RL and DL.
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: HD2-2-2.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-21		
File ID:	D071648.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/16/2010	Sample Size (g):	4.80
Date Cleanup:	NA	Percent Solid:	70.7%
Date Analyzed:	7/18/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
VOC & SVOC COMPOUNDS:					
cis-1,2-Dichloroethene		U	0.589	0.295	
2,2-Dichloropropane		U	0.589	0.295	
Chloroform		U	0.589	0.295	
1,1,1-Trichloroethane		U	0.589	0.295	
1,2-Dichloroethane		U	0.589	0.295	
1,1-Dichloropropene		U	0.589	0.295	
Benzene		U	0.589	0.295	
Carbon Tetrachloride		U	0.589	0.295	
1,2-Dichloropropane		U	0.589	0.295	
Trichloroethene		U	0.589	0.295	
Dibromomethane		U	0.589	0.295	
Bromodichloromethane		U	0.589	0.295	
Pyridine		U	0.589	0.295	
cis-1,3-Dichloropropene		U	0.589	0.295	
N-nitrosodimethylamine		U	0.589	0.295	
Toluene	1.57		0.589	0.295	
trans-1,3-Dichloropropene		U	0.589	0.295	
1,1,2-Trichloroethane		U	0.589	0.295	
1,3-Dichloropropane		U	0.589	0.295	
Dibromochloromethane		U	0.589	0.295	
1,2-Dibromoethane		U	0.589	0.295	
Tetrachloroethene		U	0.589	0.295	
Chlorobenzene		U	0.589	0.295	
1,1,1,2-Tetrachloroethane		U	0.589	0.295	
Ethylbenzene		U	0.589	0.295	
m/p-Xylenes		U	0.589	0.295	
Bromoform		U	0.589	0.295	
Styrene		U	0.589	0.295	
o-Xylene		U	0.589	0.295	
1,1,2,2-Tetrachloroethane		U	0.589	0.295	
1,2,3-Trichloropropane		U	0.589	0.295	
Isopropylbenzene		U	0.589	0.295	
Bromobenzene		U	0.589	0.295	
2-Chlorotoluene		U	0.589	0.295	
n-Propylbenzene		U	0.589	0.295	
4-Chlorotoluene		U	0.589	0.295	
1,3,5-Trimethylbenzene		U	0.589	0.295	
tert-Butylbenzene		U	0.589	0.295	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: HD2-2-2.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-21		
File ID:	D071648.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/16/2010	Sample Size (g):	4.80
Date Cleanup:	NA	Percent Solid:	70.7%
Date Analyzed:	7/18/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
1,2,4-Trimethylbenzene		U	0.589	0.295	
sec-Butylbenzene		U	0.589	0.295	
Phenol		U	0.589	0.295	
bis(2-Chloroethyl)ether		U	0.589	0.295	
Aniline		U	0.589	0.295	
2-Chlorophenol		U	0.589	0.295	
1,3-Dichlorobenzene		U	0.589	0.295	
1,4-Dichlorobenzene		U	0.589	0.295	
p-Isopropyltoluene		U	0.589	0.295	
Benzyl Alcohol		U	0.589	0.295	
2-Methylphenol (m-cresol)		U	0.589	0.295	
1,2-Dichlorobenzene		U	0.589	0.295	
3,4-Methylphenol (o,p-cresol)		U	0.589	0.295	
bis(2-chloroisopropyl)ether		U	0.589	0.295	
n-Butylbenzene		U	0.589	0.295	
N-nitroso-di-n-propylamine		U	0.589	0.295	
Hexachloroethane		U	0.589	0.295	
1,2-Dibromo-3-Chloropropane		U	0.589	0.295	
Nitrobenzene		U	0.589	0.295	
Isophorone		U	0.589	0.295	
2-Nitrophenol		U	0.589	0.295	
2,4-Dimethylphenol		U	0.589	0.295	
bis(2-Chloroethoxy)methane		U	0.589	0.295	
1,2,4-Trichlorobenzene		U	0.589	0.295	
Naphthalene		U	0.589	0.295	
2,4-Dichlorophenol		U	0.589	0.295	
4-Chloroaniline		U	0.589	0.295	
Hexachlorobutadiene		U	0.589	0.295	
1,2,3-Trichlorobenzene		U	0.589	0.295	
4-Chloro-3-methylphenol		U	0.589	0.295	
2-Methylnaphthalene		U	0.589	0.295	
1-Methylnaphthalene		U	0.589	0.295	
Hexachlorocyclopentadiene		U	0.589	0.295	
2,4,6-Trichlorophenol		U	0.589	0.295	
2,4,5-Trichlorophenol		U	0.589	0.295	
Diphenylamine		U	0.589	0.295	
Azobenzene		U	0.589	0.295	
2-Chloronaphthalene		U	0.589	0.295	
2-Nitroaniline		U	0.589	0.295	
1,4-Dinitrobenzene		U	0.589	0.295	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: HD2-2-2.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-21		
File ID:	D071648.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/16/2010	Sample Size (g):	4.80
Date Cleanup:	NA	Percent Solid:	70.7%
Date Analyzed:	7/18/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
Dimethylphthalate		U	0.589	0.295	
1,3-Dinitrobenzene		U	0.589	0.295	
Acenaphthylene		U	0.589	0.295	
2,6-dinitrotoluene		U	0.589	0.295	
1,2-Dinitrobenzene		U	0.589	0.295	
3-Nitroaniline		U	0.589	0.295	
Acenaphthene		U	0.589	0.295	
2,4-Dinitrophenol		U	0.589	0.295	
4-Nitrophenol		U	0.589	0.295	
Dibenzofuran		U	0.589	0.295	
2,4-dinitrotoluene		U	0.589	0.295	
2,3,4,6-Tetrachlorophenol		U	0.589	0.295	
2,3,5,6-Tetrachlorophenol		U	0.589	0.295	
Diethylphthalate		U	0.589	0.295	
4-Chlorophenyl-phenylether		U	0.589	0.295	
Fluorene		U	0.589	0.295	
4-Nitroaniline		U	0.589	0.295	
4,6-Dinitro-2-methylphenol		U	0.589	0.295	
n-Nitrosodiphenylamine		U	0.589	0.295	
4-Bromophenyl phenyl ether		U	0.589	0.295	
Hexachlorobenzene		U	0.589	0.295	
Pentachlorophenol		U	0.589	0.295	
Phenanthrene		U	0.589	0.295	
Anthracene		U	0.589	0.295	
Carbazole		U	0.589	0.295	
Di-n-butylphthalate		U	0.589	0.295	
Bis(2-ethylhexyl) adipate		U	0.589	0.295	
Fluoranthene	0.663		0.589	0.295	
Pyrene	0.547	J	0.589	0.295	
Butylbenzylphthalate		U	0.589	0.295	
Benz[a]anthracene	0.360	J	0.589	0.295	
Chrysene	0.428	J	0.589	0.295	
bis(2-Ethylhexyl)phthalate	81.0	D	0.589	0.295	
Di-n-octylphthalate	0.320	J	0.589	0.295	
Benzo[b]fluoranthene	0.394	J	0.589	0.295	
Benzo[k]fluoranthene	0.322	J	0.589	0.295	
Benzo[a]pyrene	0.317	J	0.589	0.295	
Indeno[1,2,3-cd]pyrene		U	0.589	0.295	
Dibenz[a,h]anthracene		U	0.589	0.295	
Benzo[g,h,i]perylene		U	0.589	0.295	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: HD2-2-2.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-21		
File ID:	D071648.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/16/2010	Sample Size (g):	4.80
Date Cleanup:	NA	Percent Solid:	70.7%
Date Analyzed:	7/18/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
Extraction Surrogate Recoveries (%)		Limits		
Toluene-d8	64	50 - 120		
4-Bromofluorobenzene	78	50 - 120		
2-Fluorophenol	77	50 - 120		
Phenol-d5	100	50 - 120		
Nitrobenzene-d5	78	50 - 120		
2-Fluorobiphenyl	74	50 - 120		
2,4,6-Tribromophenol	91	50 - 120		
p-Terphenyl-d14	79	50 - 120		

NA - Not applicable.
B - Analyte detected in the Blank.
J - Estimated value; detected between the RL and DL.
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: HD1-0-0.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-22		
File ID:	D071649.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/16/2010	Sample Size (g):	4.93
Date Cleanup:	NA	Percent Solid:	45.8%
Date Analyzed:	7/18/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
VOC & SVOC COMPOUNDS:				
cis-1,2-Dichloroethene	U	0.885	0.443	
2,2-Dichloropropane	U	0.885	0.443	
Chloroform	U	0.885	0.443	
1,1,1-Trichloroethane	U	0.885	0.443	
1,2-Dichloroethane	U	0.885	0.443	
1,1-Dichloropropene	U	0.885	0.443	
Benzene	U	0.885	0.443	
Carbon Tetrachloride	U	0.885	0.443	
1,2-Dichloropropane	U	0.885	0.443	
Trichloroethene	U	0.885	0.443	
Dibromomethane	U	0.885	0.443	
Bromodichloromethane	U	0.885	0.443	
Pyridine	U	0.885	0.443	
cis-1,3-Dichloropropene	U	0.885	0.443	
N-nitrosodimethylamine	U	0.885	0.443	
Toluene	U	0.885	0.443	
trans-1,3-Dichloropropene	U	0.885	0.443	
1,1,2-Trichloroethane	U	0.885	0.443	
1,3-Dichloropropane	U	0.885	0.443	
Dibromochloromethane	U	0.885	0.443	
1,2-Dibromoethane	U	0.885	0.443	
Tetrachloroethene	U	0.885	0.443	
Chlorobenzene	U	0.885	0.443	
1,1,1,2-Tetrachloroethane	U	0.885	0.443	
Ethylbenzene	U	0.885	0.443	
m/p-Xylenes	U	0.885	0.443	
Bromoform	U	0.885	0.443	
Styrene	U	0.885	0.443	
o-Xylene	U	0.885	0.443	
1,1,2,2-Tetrachloroethane	U	0.885	0.443	
1,2,3-Trichloropropane	U	0.885	0.443	
Isopropylbenzene	U	0.885	0.443	
Bromobenzene	U	0.885	0.443	
2-Chlorotoluene	U	0.885	0.443	
n-Propylbenzene	U	0.885	0.443	
4-Chlorotoluene	U	0.885	0.443	
1,3,5-Trimethylbenzene	U	0.885	0.443	
tert-Butylbenzene	U	0.885	0.443	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: HD1-0-0.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-22		
File ID:	D071649.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/16/2010	Sample Size (g):	4.93
Date Cleanup:	NA	Percent Solid:	45.8%
Date Analyzed:	7/18/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
1,2,4-Trimethylbenzene		U	0.885	0.443	
sec-Butylbenzene		U	0.885	0.443	
Phenol		U	0.885	0.443	
bis(2-Chloroethyl)ether		U	0.885	0.443	
Aniline		U	0.885	0.443	
2-Chlorophenol		U	0.885	0.443	
1,3-Dichlorobenzene		U	0.885	0.443	
1,4-Dichlorobenzene		U	0.885	0.443	
p-Isopropyltoluene		U	0.885	0.443	
Benzyl Alcohol		U	0.885	0.443	
2-Methylphenol (m-cresol)		U	0.885	0.443	
1,2-Dichlorobenzene		U	0.885	0.443	
3,4-Methylphenol (o,p-cresol)		U	0.885	0.443	
bis(2-chloroisopropyl)ether		U	0.885	0.443	
n-Butylbenzene		U	0.885	0.443	
N-nitroso-di-n-propylamine		U	0.885	0.443	
Hexachloroethane		U	0.885	0.443	
1,2-Dibromo-3-Chloropropane		U	0.885	0.443	
Nitrobenzene		U	0.885	0.443	
Isophorone		U	0.885	0.443	
2-Nitrophenol		U	0.885	0.443	
2,4-Dimethylphenol		U	0.885	0.443	
bis(2-Chloroethoxy)methane		U	0.885	0.443	
1,2,4-Trichlorobenzene		U	0.885	0.443	
Naphthalene		U	0.885	0.443	
2,4-Dichlorophenol		U	0.885	0.443	
4-Chloroaniline		U	0.885	0.443	
Hexachlorobutadiene		U	0.885	0.443	
1,2,3-Trichlorobenzene		U	0.885	0.443	
4-Chloro-3-methylphenol		U	0.885	0.443	
2-Methylnaphthalene		U	0.885	0.443	
1-Methylnaphthalene		U	0.885	0.443	
Hexachlorocyclopentadiene		U	0.885	0.443	
2,4,6-Trichlorophenol		U	0.885	0.443	
2,4,5-Trichlorophenol		U	0.885	0.443	
Diphenylamine		U	0.885	0.443	
Azobenzene		U	0.885	0.443	
2-Chloronaphthalene		U	0.885	0.443	
2-Nitroaniline		U	0.885	0.443	
1,4-Dinitrobenzene		U	0.885	0.443	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: HD1-0-0.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-22		
File ID:	D071649.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/16/2010	Sample Size (g):	4.93
Date Cleanup:	NA	Percent Solid:	45.8%
Date Analyzed:	7/18/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
Dimethylphthalate		U	0.885	0.443	
1,3-Dinitrobenzene		U	0.885	0.443	
Acenaphthylene		U	0.885	0.443	
2,6-dinitrotoluene		U	0.885	0.443	
1,2-Dinitrobenzene		U	0.885	0.443	
3-Nitroaniline		U	0.885	0.443	
Acenaphthene	0.653	J	0.885	0.443	
2,4-Dinitrophenol		U	0.885	0.443	
4-Nitrophenol		U	0.885	0.443	
Dibenzofuran		U	0.885	0.443	
2,4-dinitrotoluene		U	0.885	0.443	
2,3,4,6-Tetrachlorophenol		U	0.885	0.443	
2,3,5,6-Tetrachlorophenol		U	0.885	0.443	
Diethylphthalate		U	0.885	0.443	
4-Chlorophenyl-phenylether		U	0.885	0.443	
Fluorene	0.665	J	0.885	0.443	
4-Nitroaniline		U	0.885	0.443	
4,6-Dinitro-2-methylphenol		U	0.885	0.443	
n-Nitrosodiphenylamine		U	0.885	0.443	
4-Bromophenyl phenyl ether		U	0.885	0.443	
Hexachlorobenzene		U	0.885	0.443	
Pentachlorophenol		U	0.885	0.443	
Phenanthrene	0.475	J	0.885	0.443	
Anthracene		U	0.885	0.443	
Carbazole		U	0.885	0.443	
Di-n-butylphthalate		U	0.885	0.443	
Bis(2-ethylhexyl) adipate		U	0.885	0.443	
Fluoranthene	2.59		0.885	0.443	
Pyrene	2.1		0.885	0.443	
Butylbenzylphthalate		U	0.885	0.443	
Benz[a]anthracene	1.35		0.885	0.443	
Chrysene	1.37		0.885	0.443	
bis(2-Ethylhexyl)phthalate	536	D	0.885	0.443	
Di-n-octylphthalate	3.11		0.885	0.443	
Benzo[b]fluoranthene	1.28		0.885	0.443	
Benzo[k]fluoranthene	1.1		0.885	0.443	
Benzo[a]pyrene	1.28		0.885	0.443	
Indeno[1,2,3-cd]pyrene	0.896		0.885	0.443	
Dibenz[a,h]anthracene		U	0.885	0.443	
Benzo[g,h,i]perylene	0.905		0.885	0.443	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: HD1-0-0.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-22		
File ID:	D071649.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/16/2010	Sample Size (g):	4.93
Date Cleanup:	NA	Percent Solid:	45.8%
Date Analyzed:	7/18/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
Extraction Surrogate Recoveries (%)		Limits		
Toluene-d8	62	50 - 120		
4-Bromofluorobenzene	74	50 - 120		
2-Fluorophenol	75	50 - 120		
Phenol-d5	97	50 - 120		
Nitrobenzene-d5	78	50 - 120		
2-Fluorobiphenyl	75	50 - 120		
2,4,6-Tribromophenol	88	50 - 120		
p-Terphenyl-d14	81	50 - 120		

NA - Not applicable.
B - Analyte detected in the Blank.
J - Estimated value; detected between the RL and DL.
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: HD1-2-2.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-23		
File ID:	D071650.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/16/2010	Sample Size (g):	4.70
Date Cleanup:	NA	Percent Solid:	32.4%
Date Analyzed:	7/18/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
VOC & SVOC COMPOUNDS:				
cis-1,2-Dichloroethene	U	1.31	0.657	
2,2-Dichloropropane	U	1.31	0.657	
Chloroform	U	1.31	0.657	
1,1,1-Trichloroethane	U	1.31	0.657	
1,2-Dichloroethane	U	1.31	0.657	
1,1-Dichloropropene	U	1.31	0.657	
Benzene	U	1.31	0.657	
Carbon Tetrachloride	U	1.31	0.657	
1,2-Dichloropropane	U	1.31	0.657	
Trichloroethene	U	1.31	0.657	
Dibromomethane	U	1.31	0.657	
Bromodichloromethane	U	1.31	0.657	
Pyridine	U	1.31	0.657	
cis-1,3-Dichloropropene	U	1.31	0.657	
N-nitrosodimethylamine	U	1.31	0.657	
Toluene	U	1.31	0.657	
trans-1,3-Dichloropropene	U	1.31	0.657	
1,1,2-Trichloroethane	U	1.31	0.657	
1,3-Dichloropropane	U	1.31	0.657	
Dibromochloromethane	U	1.31	0.657	
1,2-Dibromoethane	U	1.31	0.657	
Tetrachloroethene	U	1.31	0.657	
Chlorobenzene	U	1.31	0.657	
1,1,1,2-Tetrachloroethane	U	1.31	0.657	
Ethylbenzene	U	1.31	0.657	
m/p-Xylenes	U	1.31	0.657	
Bromoform	U	1.31	0.657	
Styrene	U	1.31	0.657	
o-Xylene	U	1.31	0.657	
1,1,2,2-Tetrachloroethane	U	1.31	0.657	
1,2,3-Trichloropropane	U	1.31	0.657	
Isopropylbenzene	U	1.31	0.657	
Bromobenzene	U	1.31	0.657	
2-Chlorotoluene	U	1.31	0.657	
n-Propylbenzene	U	1.31	0.657	
4-Chlorotoluene	U	1.31	0.657	
1,3,5-Trimethylbenzene	U	1.31	0.657	
tert-Butylbenzene	U	1.31	0.657	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: HD1-2-2.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-23		
File ID:	D071650.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/16/2010	Sample Size (g):	4.70
Date Cleanup:	NA	Percent Solid:	32.4%
Date Analyzed:	7/18/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
1,2,4-Trimethylbenzene		U	1.31	0.657	
sec-Butylbenzene		U	1.31	0.657	
Phenol		U	1.31	0.657	
bis(2-Chloroethyl)ether		U	1.31	0.657	
Aniline		U	1.31	0.657	
2-Chlorophenol		U	1.31	0.657	
1,3-Dichlorobenzene		U	1.31	0.657	
1,4-Dichlorobenzene		U	1.31	0.657	
p-Isopropyltoluene		U	1.31	0.657	
Benzyl Alcohol		U	1.31	0.657	
2-Methylphenol (m-cresol)		U	1.31	0.657	
1,2-Dichlorobenzene		U	1.31	0.657	
3,4-Methylphenol (o,p-cresol)		U	1.31	0.657	
bis(2-chloroisopropyl)ether		U	1.31	0.657	
n-Butylbenzene		U	1.31	0.657	
N-nitroso-di-n-propylamine		U	1.31	0.657	
Hexachloroethane		U	1.31	0.657	
1,2-Dibromo-3-Chloropropane		U	1.31	0.657	
Nitrobenzene		U	1.31	0.657	
Isophorone		U	1.31	0.657	
2-Nitrophenol		U	1.31	0.657	
2,4-Dimethylphenol		U	1.31	0.657	
bis(2-Chloroethoxy)methane		U	1.31	0.657	
1,2,4-Trichlorobenzene		U	1.31	0.657	
Naphthalene		U	1.31	0.657	
2,4-Dichlorophenol		U	1.31	0.657	
4-Chloroaniline		U	1.31	0.657	
Hexachlorobutadiene		U	1.31	0.657	
1,2,3-Trichlorobenzene		U	1.31	0.657	
4-Chloro-3-methylphenol		U	1.31	0.657	
2-Methylnaphthalene		U	1.31	0.657	
1-Methylnaphthalene		U	1.31	0.657	
Hexachlorocyclopentadiene		U	1.31	0.657	
2,4,6-Trichlorophenol		U	1.31	0.657	
2,4,5-Trichlorophenol		U	1.31	0.657	
Diphenylamine		U	1.31	0.657	
Azobenzene		U	1.31	0.657	
2-Chloronaphthalene		U	1.31	0.657	
2-Nitroaniline		U	1.31	0.657	
1,4-Dinitrobenzene		U	1.31	0.657	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: HD1-2-2.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-23		
File ID:	D071650.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/16/2010	Sample Size (g):	4.70
Date Cleanup:	NA	Percent Solid:	32.4%
Date Analyzed:	7/18/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
Dimethylphthalate	U	1.31	0.657	
1,3-Dinitrobenzene	U	1.31	0.657	
Acenaphthylene	U	1.31	0.657	
2,6-dinitrotoluene	U	1.31	0.657	
1,2-Dinitrobenzene	U	1.31	0.657	
3-Nitroaniline	U	1.31	0.657	
Acenaphthene	U	1.31	0.657	
2,4-Dinitrophenol	U	1.31	0.657	
4-Nitrophenol	U	1.31	0.657	
Dibenzofuran	U	1.31	0.657	
2,4-dinitrotoluene	U	1.31	0.657	
2,3,4,6-Tetrachlorophenol	U	1.31	0.657	
2,3,5,6-Tetrachlorophenol	U	1.31	0.657	
Diethylphthalate	U	1.31	0.657	
4-Chlorophenyl-phenylether	U	1.31	0.657	
Fluorene	U	1.31	0.657	
4-Nitroaniline	U	1.31	0.657	
4,6-Dinitro-2-methylphenol	U	1.31	0.657	
n-Nitrosodiphenylamine	U	1.31	0.657	
4-Bromophenyl phenyl ether	U	1.31	0.657	
Hexachlorobenzene	U	1.31	0.657	
Pentachlorophenol	U	1.31	0.657	
Phenanthrene	U	1.31	0.657	
Anthracene	U	1.31	0.657	
Carbazole	U	1.31	0.657	
Di-n-butylphthalate	U	1.31	0.657	
Bis(2-ethylhexyl) adipate	U	1.31	0.657	
Fluoranthene	U	1.31	0.657	
Pyrene	U	1.31	0.657	
Butylbenzylphthalate	U	1.31	0.657	
Benz[a]anthracene	U	1.31	0.657	
Chrysene	U	1.31	0.657	
bis(2-Ethylhexyl)phthalate	1.79	1.31	0.657	
Di-n-octylphthalate	U	1.31	0.657	
Benzo[b]fluoranthene	U	1.31	0.657	
Benzo[k]fluoranthene	U	1.31	0.657	
Benzo[a]pyrene	U	1.31	0.657	
Indeno[1,2,3-cd]pyrene	U	1.31	0.657	
Dibenz[a,h]anthracene	U	1.31	0.657	
Benzo[g,h,i]perylene	U	1.31	0.657	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: HD1-2-2.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-23		
File ID:	D071650.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/16/2010	Sample Size (g):	4.70
Date Cleanup:	NA	Percent Solid:	32.4%
Date Analyzed:	7/18/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
Extraction Surrogate Recoveries (%)		Limits		
Toluene-d8	63	50 - 120		
4-Bromofluorobenzene	80	50 - 120		
2-Fluorophenol	73	50 - 120		
Phenol-d5	92	50 - 120		
Nitrobenzene-d5	79	50 - 120		
2-Fluorobiphenyl	74	50 - 120		
2,4,6-Tribromophenol	89	50 - 120		
p-Terphenyl-d14	78	50 - 120		

NA - Not applicable.
B - Analyte detected in the Blank.
J - Estimated value; detected between the RL and DL.
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: HD9-2-2.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-24		
File ID:	D071651.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/16/2010	Sample Size (g):	4.21
Date Cleanup:	NA	Percent Solid:	73.4%
Date Analyzed:	7/18/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
VOC & SVOC COMPOUNDS:				
cis-1,2-Dichloroethene	U	0.647	0.323	
2,2-Dichloropropane	U	0.647	0.323	
Chloroform	U	0.647	0.323	
1,1,1-Trichloroethane	U	0.647	0.323	
1,2-Dichloroethane	U	0.647	0.323	
1,1-Dichloropropene	U	0.647	0.323	
Benzene	U	0.647	0.323	
Carbon Tetrachloride	U	0.647	0.323	
1,2-Dichloropropane	U	0.647	0.323	
Trichloroethene	U	0.647	0.323	
Dibromomethane	U	0.647	0.323	
Bromodichloromethane	U	0.647	0.323	
Pyridine	U	0.647	0.323	
cis-1,3-Dichloropropene	U	0.647	0.323	
N-nitrosodimethylamine	U	0.647	0.323	
Toluene	U	0.647	0.323	
trans-1,3-Dichloropropene	U	0.647	0.323	
1,1,2-Trichloroethane	U	0.647	0.323	
1,3-Dichloropropane	U	0.647	0.323	
Dibromochloromethane	U	0.647	0.323	
1,2-Dibromoethane	U	0.647	0.323	
Tetrachloroethene	U	0.647	0.323	
Chlorobenzene	U	0.647	0.323	
1,1,1,2-Tetrachloroethane	U	0.647	0.323	
Ethylbenzene	U	0.647	0.323	
m/p-Xylenes	U	0.647	0.323	
Bromoform	U	0.647	0.323	
Styrene	U	0.647	0.323	
o-Xylene	U	0.647	0.323	
1,1,2,2-Tetrachloroethane	U	0.647	0.323	
1,2,3-Trichloropropane	U	0.647	0.323	
Isopropylbenzene	U	0.647	0.323	
Bromobenzene	U	0.647	0.323	
2-Chlorotoluene	U	0.647	0.323	
n-Propylbenzene	U	0.647	0.323	
4-Chlorotoluene	U	0.647	0.323	
1,3,5-Trimethylbenzene	U	0.647	0.323	
tert-Butylbenzene	U	0.647	0.323	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: HD9-2-2.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-24		
File ID:	D071651.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/16/2010	Sample Size (g):	4.21
Date Cleanup:	NA	Percent Solid:	73.4%
Date Analyzed:	7/18/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
1,2,4-Trimethylbenzene	U	0.647	0.323	
sec-Butylbenzene	U	0.647	0.323	
Phenol	U	0.647	0.323	
bis(2-Chloroethyl)ether	U	0.647	0.323	
Aniline	U	0.647	0.323	
2-Chlorophenol	U	0.647	0.323	
1,3-Dichlorobenzene	U	0.647	0.323	
1,4-Dichlorobenzene	U	0.647	0.323	
p-Isopropyltoluene	U	0.647	0.323	
Benzyl Alcohol	U	0.647	0.323	
2-Methylphenol (m-cresol)	U	0.647	0.323	
1,2-Dichlorobenzene	U	0.647	0.323	
3,4-Methylphenol (o,p-cresol)	U	0.647	0.323	
bis(2-chloroisopropyl)ether	U	0.647	0.323	
n-Butylbenzene	U	0.647	0.323	
N-nitroso-di-n-propylamine	U	0.647	0.323	
Hexachloroethane	U	0.647	0.323	
1,2-Dibromo-3-Chloropropane	U	0.647	0.323	
Nitrobenzene	U	0.647	0.323	
Isophorone	U	0.647	0.323	
2-Nitrophenol	U	0.647	0.323	
2,4-Dimethylphenol	U	0.647	0.323	
bis(2-Chloroethoxy)methane	U	0.647	0.323	
1,2,4-Trichlorobenzene	U	0.647	0.323	
Naphthalene	U	0.647	0.323	
2,4-Dichlorophenol	U	0.647	0.323	
4-Chloroaniline	U	0.647	0.323	
Hexachlorobutadiene	U	0.647	0.323	
1,2,3-Trichlorobenzene	U	0.647	0.323	
4-Chloro-3-methylphenol	U	0.647	0.323	
2-Methylnaphthalene	U	0.647	0.323	
1-Methylnaphthalene	U	0.647	0.323	
Hexachlorocyclopentadiene	U	0.647	0.323	
2,4,6-Trichlorophenol	U	0.647	0.323	
2,4,5-Trichlorophenol	U	0.647	0.323	
Diphenylamine	U	0.647	0.323	
Azobenzene	U	0.647	0.323	
2-Chloronaphthalene	U	0.647	0.323	
2-Nitroaniline	U	0.647	0.323	
1,4-Dinitrobenzene	U	0.647	0.323	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: HD9-2-2.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-24		
File ID:	D071651.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/16/2010	Sample Size (g):	4.21
Date Cleanup:	NA	Percent Solid:	73.4%
Date Analyzed:	7/18/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
Dimethylphthalate	U	0.647	0.323	
1,3-Dinitrobenzene	U	0.647	0.323	
Acenaphthylene	U	0.647	0.323	
2,6-dinitrotoluene	U	0.647	0.323	
1,2-Dinitrobenzene	U	0.647	0.323	
3-Nitroaniline	U	0.647	0.323	
Acenaphthene	U	0.647	0.323	
2,4-Dinitrophenol	U	0.647	0.323	
4-Nitrophenol	U	0.647	0.323	
Dibenzofuran	U	0.647	0.323	
2,4-dinitrotoluene	U	0.647	0.323	
2,3,4,6-Tetrachlorophenol	U	0.647	0.323	
2,3,5,6-Tetrachlorophenol	U	0.647	0.323	
Diethylphthalate	U	0.647	0.323	
4-Chlorophenyl-phenylether	U	0.647	0.323	
Fluorene	U	0.647	0.323	
4-Nitroaniline	U	0.647	0.323	
4,6-Dinitro-2-methylphenol	U	0.647	0.323	
n-Nitrosodiphenylamine	U	0.647	0.323	
4-Bromophenyl phenyl ether	U	0.647	0.323	
Hexachlorobenzene	U	0.647	0.323	
Pentachlorophenol	U	0.647	0.323	
Phenanthrene	U	0.647	0.323	
Anthracene	U	0.647	0.323	
Carbazole	U	0.647	0.323	
Di-n-butylphthalate	U	0.647	0.323	
Bis(2-ethylhexyl) adipate	U	0.647	0.323	
Fluoranthene	U	0.647	0.323	
Pyrene	U	0.647	0.323	
Butylbenzylphthalate	U	0.647	0.323	
Benz[a]anthracene	U	0.647	0.323	
Chrysene	U	0.647	0.323	
bis(2-Ethylhexyl)phthalate	U	0.647	0.323	
Di-n-octylphthalate	U	0.647	0.323	
Benzo[b]fluoranthene	U	0.647	0.323	
Benzo[k]fluoranthene	U	0.647	0.323	
Benzo[a]pyrene	U	0.647	0.323	
Indeno[1,2,3-cd]pyrene	U	0.647	0.323	
Dibenz[a,h]anthracene	U	0.647	0.323	
Benzo[g,h,i]perylene	U	0.647	0.323	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: HD9-2-2.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-24		
File ID:	D071651.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/16/2010	Sample Size (g):	4.21
Date Cleanup:	NA	Percent Solid:	73.4%
Date Analyzed:	7/18/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
Extraction Surrogate Recoveries (%)		Limits		
Toluene-d8	57	50 - 120		
4-Bromofluorobenzene	72	50 - 120		
2-Fluorophenol	75	50 - 120		
Phenol-d5	98	50 - 120		
Nitrobenzene-d5	75	50 - 120		
2-Fluorobiphenyl	70	50 - 120		
2,4,6-Tribromophenol	87	50 - 120		
p-Terphenyl-d14	72	50 - 120		

NA - Not applicable.
B - Analyte detected in the Blank.
J - Estimated value; detected between the RL and DL.
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: HD9-0-0.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-25		
File ID:	D071652.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/16/2010	Sample Size (g):	4.02
Date Cleanup:	NA	Percent Solid:	72.3%
Date Analyzed:	7/18/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
VOC & SVOC COMPOUNDS:				
cis-1,2-Dichloroethene	U	0.687	0.344	
2,2-Dichloropropane	U	0.687	0.344	
Chloroform	U	0.687	0.344	
1,1,1-Trichloroethane	U	0.687	0.344	
1,2-Dichloroethane	U	0.687	0.344	
1,1-Dichloropropene	U	0.687	0.344	
Benzene	U	0.687	0.344	
Carbon Tetrachloride	U	0.687	0.344	
1,2-Dichloropropane	U	0.687	0.344	
Trichloroethene	U	0.687	0.344	
Dibromomethane	U	0.687	0.344	
Bromodichloromethane	U	0.687	0.344	
Pyridine	U	0.687	0.344	
cis-1,3-Dichloropropene	U	0.687	0.344	
N-nitrosodimethylamine	U	0.687	0.344	
Toluene	U	0.687	0.344	
trans-1,3-Dichloropropene	U	0.687	0.344	
1,1,2-Trichloroethane	U	0.687	0.344	
1,3-Dichloropropane	U	0.687	0.344	
Dibromochloromethane	U	0.687	0.344	
1,2-Dibromoethane	U	0.687	0.344	
Tetrachloroethene	U	0.687	0.344	
Chlorobenzene	U	0.687	0.344	
1,1,1,2-Tetrachloroethane	U	0.687	0.344	
Ethylbenzene	U	0.687	0.344	
m/p-Xylenes	U	0.687	0.344	
Bromoform	U	0.687	0.344	
Styrene	U	0.687	0.344	
o-Xylene	U	0.687	0.344	
1,1,2,2-Tetrachloroethane	U	0.687	0.344	
1,2,3-Trichloropropane	U	0.687	0.344	
Isopropylbenzene	U	0.687	0.344	
Bromobenzene	U	0.687	0.344	
2-Chlorotoluene	U	0.687	0.344	
n-Propylbenzene	U	0.687	0.344	
4-Chlorotoluene	U	0.687	0.344	
1,3,5-Trimethylbenzene	U	0.687	0.344	
tert-Butylbenzene	U	0.687	0.344	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: HD9-0-0.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-25		
File ID:	D071652.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/16/2010	Sample Size (g):	4.02
Date Cleanup:	NA	Percent Solid:	72.3%
Date Analyzed:	7/18/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
1,2,4-Trimethylbenzene	U	0.687	0.344	
sec-Butylbenzene	U	0.687	0.344	
Phenol	U	0.687	0.344	
bis(2-Chloroethyl)ether	U	0.687	0.344	
Aniline	U	0.687	0.344	
2-Chlorophenol	U	0.687	0.344	
1,3-Dichlorobenzene	U	0.687	0.344	
1,4-Dichlorobenzene	U	0.687	0.344	
p-Isopropyltoluene	U	0.687	0.344	
Benzyl Alcohol	U	0.687	0.344	
2-Methylphenol (m-cresol)	U	0.687	0.344	
1,2-Dichlorobenzene	U	0.687	0.344	
3,4-Methylphenol (o,p-cresol)	U	0.687	0.344	
bis(2-chloroisopropyl)ether	U	0.687	0.344	
n-Butylbenzene	U	0.687	0.344	
N-nitroso-di-n-propylamine	U	0.687	0.344	
Hexachloroethane	U	0.687	0.344	
1,2-Dibromo-3-Chloropropane	U	0.687	0.344	
Nitrobenzene	U	0.687	0.344	
Isophorone	U	0.687	0.344	
2-Nitrophenol	U	0.687	0.344	
2,4-Dimethylphenol	U	0.687	0.344	
bis(2-Chloroethoxy)methane	U	0.687	0.344	
1,2,4-Trichlorobenzene	U	0.687	0.344	
Naphthalene	U	0.687	0.344	
2,4-Dichlorophenol	U	0.687	0.344	
4-Chloroaniline	U	0.687	0.344	
Hexachlorobutadiene	U	0.687	0.344	
1,2,3-Trichlorobenzene	U	0.687	0.344	
4-Chloro-3-methylphenol	U	0.687	0.344	
2-Methylnaphthalene	U	0.687	0.344	
1-Methylnaphthalene	U	0.687	0.344	
Hexachlorocyclopentadiene	U	0.687	0.344	
2,4,6-Trichlorophenol	U	0.687	0.344	
2,4,5-Trichlorophenol	U	0.687	0.344	
Diphenylamine	U	0.687	0.344	
Azobenzene	U	0.687	0.344	
2-Chloronaphthalene	U	0.687	0.344	
2-Nitroaniline	U	0.687	0.344	
1,4-Dinitrobenzene	U	0.687	0.344	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: HD9-0-0.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-25		
File ID:	D071652.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/16/2010	Sample Size (g):	4.02
Date Cleanup:	NA	Percent Solid:	72.3%
Date Analyzed:	7/18/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
Dimethylphthalate	U	0.687	0.344	
1,3-Dinitrobenzene	U	0.687	0.344	
Acenaphthylene	U	0.687	0.344	
2,6-dinitrotoluene	U	0.687	0.344	
1,2-Dinitrobenzene	U	0.687	0.344	
3-Nitroaniline	U	0.687	0.344	
Acenaphthene	U	0.687	0.344	
2,4-Dinitrophenol	U	0.687	0.344	
4-Nitrophenol	U	0.687	0.344	
Dibenzofuran	U	0.687	0.344	
2,4-dinitrotoluene	U	0.687	0.344	
2,3,4,6-Tetrachlorophenol	U	0.687	0.344	
2,3,5,6-Tetrachlorophenol	U	0.687	0.344	
Diethylphthalate	U	0.687	0.344	
4-Chlorophenyl-phenylether	U	0.687	0.344	
Fluorene	U	0.687	0.344	
4-Nitroaniline	U	0.687	0.344	
4,6-Dinitro-2-methylphenol	U	0.687	0.344	
n-Nitrosodiphenylamine	U	0.687	0.344	
4-Bromophenyl phenyl ether	U	0.687	0.344	
Hexachlorobenzene	U	0.687	0.344	
Pentachlorophenol	U	0.687	0.344	
Phenanthrene	U	0.687	0.344	
Anthracene	U	0.687	0.344	
Carbazole	U	0.687	0.344	
Di-n-butylphthalate	U	0.687	0.344	
Bis(2-ethylhexyl) adipate	U	0.687	0.344	
Fluoranthene	0.432 J	0.687	0.344	
Pyrene	0.448 J	0.687	0.344	
Butylbenzylphthalate	U	0.687	0.344	
Benz[a]anthracene	U	0.687	0.344	
Chrysene	U	0.687	0.344	
bis(2-Ethylhexyl)phthalate	U	0.687	0.344	
Di-n-octylphthalate	U	0.687	0.344	
Benzo[b]fluoranthene	U	0.687	0.344	
Benzo[k]fluoranthene	U	0.687	0.344	
Benzo[a]pyrene	U	0.687	0.344	
Indeno[1,2,3-cd]pyrene	U	0.687	0.344	
Dibenz[a,h]anthracene	U	0.687	0.344	
Benzo[g,h,i]perylene	U	0.687	0.344	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: HD9-0-0.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-25		
File ID:	D071652.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/16/2010	Sample Size (g):	4.02
Date Cleanup:	NA	Percent Solid:	72.3%
Date Analyzed:	7/18/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
Extraction Surrogate Recoveries (%)		Limits		
Toluene-d8	57	50 - 120		
4-Bromofluorobenzene	73	50 - 120		
2-Fluorophenol	79	50 - 120		
Phenol-d5	108	50 - 120		
Nitrobenzene-d5	79	50 - 120		
2-Fluorobiphenyl	74	50 - 120		
2,4,6-Tribromophenol	91	50 - 120		
p-Terphenyl-d14	78	50 - 120		

NA - Not applicable.
B - Analyte detected in the Blank.
J - Estimated value; detected between the RL and DL.
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: HD10-0-0.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-26		
File ID:	D071653.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/16/2010	Sample Size (g):	4.85
Date Cleanup:	NA	Percent Solid:	48.5%
Date Analyzed:	7/18/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
VOC & SVOC COMPOUNDS:					
cis-1,2-Dichloroethene		U	0.851	0.425	
2,2-Dichloropropane		U	0.851	0.425	
Chloroform		U	0.851	0.425	
1,1,1-Trichloroethane		U	0.851	0.425	
1,2-Dichloroethane		U	0.851	0.425	
1,1-Dichloropropene		U	0.851	0.425	
Benzene		U	0.851	0.425	
Carbon Tetrachloride		U	0.851	0.425	
1,2-Dichloropropane		U	0.851	0.425	
Trichloroethene		U	0.851	0.425	
Dibromomethane		U	0.851	0.425	
Bromodichloromethane		U	0.851	0.425	
Pyridine		U	0.851	0.425	
cis-1,3-Dichloropropene		U	0.851	0.425	
N-nitrosodimethylamine		U	0.851	0.425	
Toluene		U	0.851	0.425	
trans-1,3-Dichloropropene		U	0.851	0.425	
1,1,2-Trichloroethane		U	0.851	0.425	
1,3-Dichloropropane		U	0.851	0.425	
Dibromochloromethane		U	0.851	0.425	
1,2-Dibromoethane		U	0.851	0.425	
Tetrachloroethene		U	0.851	0.425	
Chlorobenzene		U	0.851	0.425	
1,1,1,2-Tetrachloroethane		U	0.851	0.425	
Ethylbenzene		U	0.851	0.425	
m/p-Xylenes		U	0.851	0.425	
Bromoform		U	0.851	0.425	
Styrene		U	0.851	0.425	
o-Xylene		U	0.851	0.425	
1,1,2,2-Tetrachloroethane		U	0.851	0.425	
1,2,3-Trichloropropane		U	0.851	0.425	
Isopropylbenzene		U	0.851	0.425	
Bromobenzene		U	0.851	0.425	
2-Chlorotoluene		U	0.851	0.425	
n-Propylbenzene		U	0.851	0.425	
4-Chlorotoluene		U	0.851	0.425	
1,3,5-Trimethylbenzene		U	0.851	0.425	
tert-Butylbenzene		U	0.851	0.425	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: HD10-0-0.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-26		
File ID:	D071653.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/16/2010	Sample Size (g):	4.85
Date Cleanup:	NA	Percent Solid:	48.5%
Date Analyzed:	7/18/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
1,2,4-Trimethylbenzene	U	0.851	0.425	
sec-Butylbenzene	U	0.851	0.425	
Phenol	U	0.851	0.425	
bis(2-Chloroethyl)ether	U	0.851	0.425	
Aniline	U	0.851	0.425	
2-Chlorophenol	U	0.851	0.425	
1,3-Dichlorobenzene	U	0.851	0.425	
1,4-Dichlorobenzene	U	0.851	0.425	
p-Isopropyltoluene	U	0.851	0.425	
Benzyl Alcohol	U	0.851	0.425	
2-Methylphenol (m-cresol)	U	0.851	0.425	
1,2-Dichlorobenzene	U	0.851	0.425	
3,4-Methylphenol (o,p-cresol)	U	0.851	0.425	
bis(2-chloroisopropyl)ether	U	0.851	0.425	
n-Butylbenzene	U	0.851	0.425	
N-nitroso-di-n-propylamine	U	0.851	0.425	
Hexachloroethane	U	0.851	0.425	
1,2-Dibromo-3-Chloropropane	U	0.851	0.425	
Nitrobenzene	U	0.851	0.425	
Isophorone	U	0.851	0.425	
2-Nitrophenol	U	0.851	0.425	
2,4-Dimethylphenol	U	0.851	0.425	
bis(2-Chloroethoxy)methane	U	0.851	0.425	
1,2,4-Trichlorobenzene	U	0.851	0.425	
Naphthalene	U	0.851	0.425	
2,4-Dichlorophenol	U	0.851	0.425	
4-Chloroaniline	U	0.851	0.425	
Hexachlorobutadiene	U	0.851	0.425	
1,2,3-Trichlorobenzene	U	0.851	0.425	
4-Chloro-3-methylphenol	U	0.851	0.425	
2-Methylnaphthalene	U	0.851	0.425	
1-Methylnaphthalene	U	0.851	0.425	
Hexachlorocyclopentadiene	U	0.851	0.425	
2,4,6-Trichlorophenol	U	0.851	0.425	
2,4,5-Trichlorophenol	U	0.851	0.425	
Diphenylamine	U	0.851	0.425	
Azobenzene	U	0.851	0.425	
2-Chloronaphthalene	U	0.851	0.425	
2-Nitroaniline	U	0.851	0.425	
1,4-Dinitrobenzene	U	0.851	0.425	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: HD10-0-0.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-26		
File ID:	D071653.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/16/2010	Sample Size (g):	4.85
Date Cleanup:	NA	Percent Solid:	48.5%
Date Analyzed:	7/18/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
Dimethylphthalate		U	0.851	0.425	
1,3-Dinitrobenzene		U	0.851	0.425	
Acenaphthylene		U	0.851	0.425	
2,6-dinitrotoluene		U	0.851	0.425	
1,2-Dinitrobenzene		U	0.851	0.425	
3-Nitroaniline		U	0.851	0.425	
Acenaphthene		U	0.851	0.425	
2,4-Dinitrophenol		U	0.851	0.425	
4-Nitrophenol		U	0.851	0.425	
Dibenzofuran		U	0.851	0.425	
2,4-dinitrotoluene		U	0.851	0.425	
2,3,4,6-Tetrachlorophenol		U	0.851	0.425	
2,3,5,6-Tetrachlorophenol		U	0.851	0.425	
Diethylphthalate		U	0.851	0.425	
4-Chlorophenyl-phenylether		U	0.851	0.425	
Fluorene		U	0.851	0.425	
4-Nitroaniline		U	0.851	0.425	
4,6-Dinitro-2-methylphenol		U	0.851	0.425	
n-Nitrosodiphenylamine		U	0.851	0.425	
4-Bromophenyl phenyl ether		U	0.851	0.425	
Hexachlorobenzene		U	0.851	0.425	
Pentachlorophenol		U	0.851	0.425	
Phenanthrene	1.05		0.851	0.425	
Anthracene		U	0.851	0.425	
Carbazole		U	0.851	0.425	
Di-n-butylphthalate		U	0.851	0.425	
Bis(2-ethylhexyl) adipate		U	0.851	0.425	
Fluoranthene	1.99		0.851	0.425	
Pyrene	1.56		0.851	0.425	
Butylbenzylphthalate		U	0.851	0.425	
Benz[a]anthracene	0.979		0.851	0.425	
Chrysene	1.17		0.851	0.425	
bis(2-Ethylhexyl)phthalate		U	0.851	0.425	
Di-n-octylphthalate		U	0.851	0.425	
Benzo[b]fluoranthene	1.03		0.851	0.425	
Benzo[k]fluoranthene	0.776	J	0.851	0.425	
Benzo[a]pyrene	0.893		0.851	0.425	
Indeno[1,2,3-cd]pyrene	0.631	J	0.851	0.425	
Dibenz[a,h]anthracene		U	0.851	0.425	
Benzo[g,h,i]perylene		U	0.851	0.425	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: HD10-0-0.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-26		
File ID:	D071653.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/16/2010	Sample Size (g):	4.85
Date Cleanup:	NA	Percent Solid:	48.5%
Date Analyzed:	7/18/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
Extraction Surrogate Recoveries (%)		Limits		
Toluene-d8	55	50 - 120		
4-Bromofluorobenzene	71	50 - 120		
2-Fluorophenol	72	50 - 120		
Phenol-d5	93	50 - 120		
Nitrobenzene-d5	71	50 - 120		
2-Fluorobiphenyl	68	50 - 120		
2,4,6-Tribromophenol	84	50 - 120		
p-Terphenyl-d14	72	50 - 120		

NA - Not applicable.
B - Analyte detected in the Blank.
J - Estimated value; detected between the RL and DL.
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: HD10-2-2.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-27		
File ID:	D071654.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/16/2010	Sample Size (g):	4.11
Date Cleanup:	NA	Percent Solid:	43.7%
Date Analyzed:	7/18/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
VOC & SVOC COMPOUNDS:				
cis-1,2-Dichloroethene	U	1.11	0.556	
2,2-Dichloropropane	U	1.11	0.556	
Chloroform	U	1.11	0.556	
1,1,1-Trichloroethane	U	1.11	0.556	
1,2-Dichloroethane	U	1.11	0.556	
1,1-Dichloropropene	U	1.11	0.556	
Benzene	U	1.11	0.556	
Carbon Tetrachloride	U	1.11	0.556	
1,2-Dichloropropane	U	1.11	0.556	
Trichloroethene	U	1.11	0.556	
Dibromomethane	U	1.11	0.556	
Bromodichloromethane	U	1.11	0.556	
Pyridine	U	1.11	0.556	
cis-1,3-Dichloropropene	U	1.11	0.556	
N-nitrosodimethylamine	U	1.11	0.556	
Toluene	U	1.11	0.556	
trans-1,3-Dichloropropene	U	1.11	0.556	
1,1,2-Trichloroethane	U	1.11	0.556	
1,3-Dichloropropane	U	1.11	0.556	
Dibromochloromethane	U	1.11	0.556	
1,2-Dibromoethane	U	1.11	0.556	
Tetrachloroethene	U	1.11	0.556	
Chlorobenzene	U	1.11	0.556	
1,1,1,2-Tetrachloroethane	U	1.11	0.556	
Ethylbenzene	U	1.11	0.556	
m/p-Xylenes	U	1.11	0.556	
Bromoform	U	1.11	0.556	
Styrene	U	1.11	0.556	
o-Xylene	U	1.11	0.556	
1,1,2,2-Tetrachloroethane	U	1.11	0.556	
1,2,3-Trichloropropane	U	1.11	0.556	
Isopropylbenzene	U	1.11	0.556	
Bromobenzene	U	1.11	0.556	
2-Chlorotoluene	U	1.11	0.556	
n-Propylbenzene	U	1.11	0.556	
4-Chlorotoluene	U	1.11	0.556	
1,3,5-Trimethylbenzene	U	1.11	0.556	
tert-Butylbenzene	U	1.11	0.556	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: HD10-2-2.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-27		
File ID:	D071654.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/16/2010	Sample Size (g):	4.11
Date Cleanup:	NA	Percent Solid:	43.7%
Date Analyzed:	7/18/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
1,2,4-Trimethylbenzene	U	1.11	0.556	
sec-Butylbenzene	U	1.11	0.556	
Phenol	U	1.11	0.556	
bis(2-Chloroethyl)ether	U	1.11	0.556	
Aniline	U	1.11	0.556	
2-Chlorophenol	U	1.11	0.556	
1,3-Dichlorobenzene	U	1.11	0.556	
1,4-Dichlorobenzene	U	1.11	0.556	
p-Isopropyltoluene	U	1.11	0.556	
Benzyl Alcohol	U	1.11	0.556	
2-Methylphenol (m-cresol)	U	1.11	0.556	
1,2-Dichlorobenzene	U	1.11	0.556	
3,4-Methylphenol (o,p-cresol)	U	1.11	0.556	
bis(2-chloroisopropyl)ether	U	1.11	0.556	
n-Butylbenzene	U	1.11	0.556	
N-nitroso-di-n-propylamine	U	1.11	0.556	
Hexachloroethane	U	1.11	0.556	
1,2-Dibromo-3-Chloropropane	U	1.11	0.556	
Nitrobenzene	U	1.11	0.556	
Isophorone	U	1.11	0.556	
2-Nitrophenol	U	1.11	0.556	
2,4-Dimethylphenol	U	1.11	0.556	
bis(2-Chloroethoxy)methane	U	1.11	0.556	
1,2,4-Trichlorobenzene	U	1.11	0.556	
Naphthalene	U	1.11	0.556	
2,4-Dichlorophenol	U	1.11	0.556	
4-Chloroaniline	U	1.11	0.556	
Hexachlorobutadiene	U	1.11	0.556	
1,2,3-Trichlorobenzene	U	1.11	0.556	
4-Chloro-3-methylphenol	U	1.11	0.556	
2-Methylnaphthalene	U	1.11	0.556	
1-Methylnaphthalene	U	1.11	0.556	
Hexachlorocyclopentadiene	U	1.11	0.556	
2,4,6-Trichlorophenol	U	1.11	0.556	
2,4,5-Trichlorophenol	U	1.11	0.556	
Diphenylamine	U	1.11	0.556	
Azobenzene	U	1.11	0.556	
2-Chloronaphthalene	U	1.11	0.556	
2-Nitroaniline	U	1.11	0.556	
1,4-Dinitrobenzene	U	1.11	0.556	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: HD10-2-2.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-27		
File ID:	D071654.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/16/2010	Sample Size (g):	4.11
Date Cleanup:	NA	Percent Solid:	43.7%
Date Analyzed:	7/18/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
Dimethylphthalate	U	1.11	0.556	
1,3-Dinitrobenzene	U	1.11	0.556	
Acenaphthylene	U	1.11	0.556	
2,6-dinitrotoluene	U	1.11	0.556	
1,2-Dinitrobenzene	U	1.11	0.556	
3-Nitroaniline	U	1.11	0.556	
Acenaphthene	U	1.11	0.556	
2,4-Dinitrophenol	U	1.11	0.556	
4-Nitrophenol	U	1.11	0.556	
Dibenzofuran	U	1.11	0.556	
2,4-dinitrotoluene	U	1.11	0.556	
2,3,4,6-Tetrachlorophenol	U	1.11	0.556	
2,3,5,6-Tetrachlorophenol	U	1.11	0.556	
Diethylphthalate	U	1.11	0.556	
4-Chlorophenyl-phenylether	U	1.11	0.556	
Fluorene	U	1.11	0.556	
4-Nitroaniline	U	1.11	0.556	
4,6-Dinitro-2-methylphenol	U	1.11	0.556	
n-Nitrosodiphenylamine	U	1.11	0.556	
4-Bromophenyl phenyl ether	U	1.11	0.556	
Hexachlorobenzene	U	1.11	0.556	
Pentachlorophenol	U	1.11	0.556	
Phenanthrene	U	1.11	0.556	
Anthracene	U	1.11	0.556	
Carbazole	U	1.11	0.556	
Di-n-butylphthalate	U	1.11	0.556	
Bis(2-ethylhexyl) adipate	U	1.11	0.556	
Fluoranthene	U	1.11	0.556	
Pyrene	U	1.11	0.556	
Butylbenzylphthalate	U	1.11	0.556	
Benz[a]anthracene	U	1.11	0.556	
Chrysene	U	1.11	0.556	
bis(2-Ethylhexyl)phthalate	U	1.11	0.556	
Di-n-octylphthalate	U	1.11	0.556	
Benzo[b]fluoranthene	U	1.11	0.556	
Benzo[k]fluoranthene	U	1.11	0.556	
Benzo[a]pyrene	U	1.11	0.556	
Indeno[1,2,3-cd]pyrene	U	1.11	0.556	
Dibenz[a,h]anthracene	U	1.11	0.556	
Benzo[g,h,i]perylene	U	1.11	0.556	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: HD10-2-2.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-27		
File ID:	D071654.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/16/2010	Sample Size (g):	4.11
Date Cleanup:	NA	Percent Solid:	43.7%
Date Analyzed:	7/18/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
Extraction Surrogate Recoveries (%)		Limits		
Toluene-d8	61	50 - 120		
4-Bromofluorobenzene	77	50 - 120		
2-Fluorophenol	76	50 - 120		
Phenol-d5	97	50 - 120		
Nitrobenzene-d5	78	50 - 120		
2-Fluorobiphenyl	72	50 - 120		
2,4,6-Tribromophenol	89	50 - 120		
p-Terphenyl-d14	74	50 - 120		

NA - Not applicable.
B - Analyte detected in the Blank.
J - Estimated value; detected between the RL and DL.
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Soil Blank

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	QC100616-SB		
File ID:	D070206.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	NA	Decanted:	None
Date Received:	NA		
Date Prepared:	6/16/2010	Sample Size (g):	4.00
Date Cleanup:	NA	Percent Solid:	100%
Date Analyzed:	7/2/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
VOC & SVOC COMPOUNDS:					
cis-1,2-Dichloroethene		U	0.500	0.250	
2,2-Dichloropropane		U	0.500	0.250	
Chloroform		U	0.500	0.250	
1,1,1-Trichloroethane		U	0.500	0.250	
1,2-Dichloroethane		U	0.500	0.250	
1,1-Dichloropropene		U	0.500	0.250	
Benzene		U	0.500	0.250	
Carbon Tetrachloride		U	0.500	0.250	
1,2-Dichloropropane		U	0.500	0.250	
Trichloroethene		U	0.500	0.250	
Dibromomethane		U	0.500	0.250	
Bromodichloromethane		U	0.500	0.250	
Pyridine		U	0.500	0.250	
cis-1,3-Dichloropropene		U	0.500	0.250	
N-nitrosodimethylamine		U	0.500	0.250	
Toluene		U	0.500	0.250	
trans-1,3-Dichloropropene		U	0.500	0.250	
1,1,2-Trichloroethane		U	0.500	0.250	
1,3-Dichloropropane		U	0.500	0.250	
Dibromochloromethane		U	0.500	0.250	
1,2-Dibromoethane		U	0.500	0.250	
Tetrachloroethene		U	0.500	0.250	
Chlorobenzene		U	0.500	0.250	
1,1,1,2-Tetrachloroethane		U	0.500	0.250	
Ethylbenzene		U	0.500	0.250	
m/p-Xylenes		U	0.500	0.250	
Bromoform		U	0.500	0.250	
Styrene		U	0.500	0.250	
o-Xylene		U	0.500	0.250	
1,1,2,2-Tetrachloroethane		U	0.500	0.250	
1,2,3-Trichloropropane		U	0.500	0.250	
Isopropylbenzene		U	0.500	0.250	
Bromobenzene		U	0.500	0.250	
2-Chlorotoluene		U	0.500	0.250	
n-Propylbenzene		U	0.500	0.250	
4-Chlorotoluene		U	0.500	0.250	
1,3,5-Trimethylbenzene		U	0.500	0.250	
tert-Butylbenzene		U	0.500	0.250	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Soil Blank

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	QC100616-SB		
File ID:	D070206.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	NA	Decanted:	None
Date Received:	NA		
Date Prepared:	6/16/2010	Sample Size (g):	4.00
Date Cleanup:	NA	Percent Solid:	100%
Date Analyzed:	7/2/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
1,2,4-Trimethylbenzene	U	0.500	0.250	
sec-Butylbenzene	U	0.500	0.250	
Phenol	U	0.500	0.250	
bis(2-Chloroethyl)ether	U	0.500	0.250	
Aniline	U	0.500	0.250	
2-Chlorophenol	U	0.500	0.250	
1,3-Dichlorobenzene	U	0.500	0.250	
1,4-Dichlorobenzene	U	0.500	0.250	
p-Isopropyltoluene	U	0.500	0.250	
Benzyl Alcohol	U	0.500	0.250	
2-Methylphenol (m-cresol)	U	0.500	0.250	
1,2-Dichlorobenzene	U	0.500	0.250	
3,4-Methylphenol (o,p-cresol)	U	0.500	0.250	
bis(2-chloroisopropyl)ether	U	0.500	0.250	
n-Butylbenzene	U	0.500	0.250	
N-nitroso-di-n-propylamine	U	0.500	0.250	
Hexachloroethane	U	0.500	0.250	
1,2-Dibromo-3-Chloropropane	U	0.500	0.250	
Nitrobenzene	U	0.500	0.250	
Isophorone	U	0.500	0.250	
2-Nitrophenol	U	0.500	0.250	
2,4-Dimethylphenol	U	0.500	0.250	
bis(2-Chloroethoxy)methane	U	0.500	0.250	
1,2,4-Trichlorobenzene	U	0.500	0.250	
Naphthalene	U	0.500	0.250	
2,4-Dichlorophenol	U	0.500	0.250	
4-Chloroaniline	U	0.500	0.250	
Hexachlorobutadiene	U	0.500	0.250	
1,2,3-Trichlorobenzene	U	0.500	0.250	
4-Chloro-3-methylphenol	U	0.500	0.250	
2-Methylnaphthalene	U	0.500	0.250	
1-Methylnaphthalene	U	0.500	0.250	
Hexachlorocyclopentadiene	U	0.500	0.250	
2,4,6-Trichlorophenol	U	0.500	0.250	
2,4,5-Trichlorophenol	U	0.500	0.250	
Diphenylamine	U	0.500	0.250	
Azobenzene	U	0.500	0.250	
2-Chloronaphthalene	U	0.500	0.250	
2-Nitroaniline	U	0.500	0.250	
1,4-Dinitrobenzene	U	0.500	0.250	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Soil Blank

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	QC100616-SB		
File ID:	D070206.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	NA	Decanted:	None
Date Received:	NA		
Date Prepared:	6/16/2010	Sample Size (g):	4.00
Date Cleanup:	NA	Percent Solid:	100%
Date Analyzed:	7/2/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
Dimethylphthalate		U	0.500	0.250	
1,3-Dinitrobenzene		U	0.500	0.250	
Acenaphthylene		U	0.500	0.250	
2,6-dinitrotoluene		U	0.500	0.250	
1,2-Dinitrobenzene		U	0.500	0.250	
3-Nitroaniline		U	0.500	0.250	
Acenaphthene		U	0.500	0.250	
2,4-Dinitrophenol		U	0.500	0.250	
4-Nitrophenol		U	0.500	0.250	
Dibenzofuran		U	0.500	0.250	
2,4-dinitrotoluene		U	0.500	0.250	
2,3,4,6-Tetrachlorophenol		U	0.500	0.250	
2,3,5,6-Tetrachlorophenol		U	0.500	0.250	
Diethylphthalate		U	0.500	0.250	
4-Chlorophenyl-phenylether		U	0.500	0.250	
Fluorene		U	0.500	0.250	
4-Nitroaniline		U	0.500	0.250	
4,6-Dinitro-2-methylphenol		U	0.500	0.250	
n-Nitrosodiphenylamine		U	0.500	0.250	
4-Bromophenyl phenyl ether		U	0.500	0.250	
Hexachlorobenzene		U	0.500	0.250	
Pentachlorophenol		U	0.500	0.250	
Phenanthrene		U	0.500	0.250	
Anthracene		U	0.500	0.250	
Carbazole		U	0.500	0.250	
Di-n-butylphthalate		U	0.500	0.250	
Bis(2-ethylhexyl) adipate		U	0.500	0.250	
Fluoranthene		U	0.500	0.250	
Pyrene		U	0.500	0.250	
Butylbenzylphthalate		U	0.500	0.250	
Benz[a]anthracene		U	0.500	0.250	
Chrysene		U	0.500	0.250	
bis(2-Ethylhexyl)phthalate		U	0.500	0.250	
Di-n-octylphthalate		U	0.500	0.250	
Benzo[b]fluoranthene		U	0.500	0.250	
Benzo[k]fluoranthene		U	0.500	0.250	
Benzo[a]pyrene		U	0.500	0.250	
Indeno[1,2,3-cd]pyrene		U	0.500	0.250	
Dibenz[a,h]anthracene		U	0.500	0.250	
Benzo[g,h,i]perylene		U	0.500	0.250	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Soil Blank

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	QC100616-SB		
File ID:	D070206.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	NA	Decanted:	None
Date Received:	NA		
Date Prepared:	6/16/2010	Sample Size (g):	4.00
Date Cleanup:	NA	Percent Solid:	100%
Date Analyzed:	7/2/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
Extraction Surrogate Recoveries (%)		Limits		
Toluene-d8	76	50 - 120		
4-Bromofluorobenzene	79	50 - 120		
2-Fluorophenol	79	50 - 120		
Phenol-d5	86	50 - 120		
Nitrobenzene-d5	80	50 - 120		
2-Fluorobiphenyl	75	50 - 120		
2,4,6-Tribromophenol	81	50 - 120		
p-Terphenyl-d14	65	50 - 120		

NA - Not applicable.
B - Analyte detected in the Blank.
J - Estimated value; detected between the RL and DL.
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Soil Blank Spike

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	QC100616-SBS		
File ID:	D070207.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	NA	Decanted:	None
Date Received:	NA		
Date Prepared:	6/16/2010	Sample Size (g):	4.00
Date Cleanup:	NA	Percent Solid:	100%
Date Analyzed:	7/2/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
VOC & SVOC COMPOUNDS:	Spike Amount				% Recovery
cis-1,2-Dichloroethene	12.5	4.29 J	4.29	0.250	34
2,2-Dichloropropane	12.5	6.42	0.500	0.250	51
Chloroform	12.5	4.72	0.500	0.250	38
1,1,1-Trichloroethane	12.5	6.48	0.500	0.250	52
1,2-Dichloroethane	12.5	8.87	0.500	0.250	71
1,1-Dichloropropene	12.5	6.62	0.500	0.250	53
Benzene	12.5	11.3	0.500	0.250	90
Carbon Tetrachloride	12.5	4.76	0.500	0.250	38
1,2-Dichloropropane	12.5	11.6	0.500	0.250	93
Trichloroethene	12.5	9.85	0.500	0.250	79
Dibromomethane	12.5	9.59	0.500	0.250	77
Bromodichloromethane	12.5	9.08	0.500	0.250	73
Pyridine	12.5	10.0	0.500	0.250	80
cis-1,3-Dichloropropene	12.5	10.0	0.500	0.250	80
N-nitrosodimethylamine	12.5	10.2	0.500	0.250	82
Toluene	12.5	11.8	0.500	0.250	94
trans-1,3-Dichloropropene	12.5	9.97	0.500	0.250	80
1,1,2-Trichloroethane	12.5	10.3	0.500	0.250	82
1,3-Dichloropropane	12.5	10.3	0.500	0.250	82
Dibromochloromethane	12.5	9.93	0.500	0.250	79
1,2-Dibromoethane	12.5	10.3	0.500	0.250	82
Tetrachloroethene	12.5	10.2	0.500	0.250	82
Chlorobenzene	12.5	10.3	0.500	0.250	82
1,1,1,2-Tetrachloroethane	12.5	9.97	0.500	0.250	80
Ethylbenzene	12.5	10.0	0.500	0.250	80
m/p-Xylenes	12.5	9.74	0.500	0.250	78
Bromoform	12.5	10.0	0.500	0.250	80
Styrene	12.5	10.1	0.500	0.250	81
o-Xylene	12.5	10.2	0.500	0.250	82
1,1,2,2-Tetrachloroethane	12.5	10.8	0.500	0.250	86
1,2,3-Trichloropropane	12.5	10.0	0.500	0.250	80
Isopropylbenzene	12.5	10.1	0.500	0.250	81
Bromobenzene	12.5	10.1	0.500	0.250	81
2-Chlorotoluene	12.5	10.5	0.500	0.250	84
n-Propylbenzene	12.5	10.3	0.500	0.250	82
4-Chlorotoluene	12.5	10.4	0.500	0.250	83
1,3,5-Trimethylbenzene	12.5	10.3	0.500	0.250	82
tert-Butylbenzene	12.5	9.97	0.500	0.250	80

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Soil Blank Spike

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	QC100616-SBS		
File ID:	D070207.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	NA	Decanted:	None
Date Received:	NA		
Date Prepared:	6/16/2010	Sample Size (g):	4.00
Date Cleanup:	NA	Percent Solid:	100%
Date Analyzed:	7/2/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
1,2,4-Trimethylbenzene	12.5	10.1	0.500	0.250	81
sec-Butylbenzene	12.5	9.85	0.500	0.250	79
Phenol	12.5	12.0	0.500	0.250	96
bis(2-Chloroethyl)ether	12.5	10.7	0.500	0.250	86
Aniline	12.5	12.5	0.500	0.250	100
2-Chlorophenol	12.5	10.4	0.500	0.250	83
1,3-Dichlorobenzene	25.0	19.4	0.500	0.250	78
1,4-Dichlorobenzene	25.0	18.7	0.500	0.250	75
p-Isopropyltoluene	12.5	10.2	0.500	0.250	82
Benzyl Alcohol	12.5	10.7	0.500	0.250	86
2-Methylphenol (m-cresol)	12.5	11.0	0.500	0.250	88
1,2-Dichlorobenzene	25.0	19.6	0.500	0.250	78
3,4-Methylphenol (o,p-cresol)	12.5	10.5	0.500	0.250	84
bis(2-chloroisopropyl)ether	12.5	10.6	0.500	0.250	85
n-Butylbenzene	12.5	10.3	0.500	0.250	82
N-nitroso-di-n-propylamine	12.5	10.5	0.500	0.250	84
Hexachloroethane	12.5	10.8	0.500	0.250	86
1,2-Dibromo-3-Chloropropane	12.5	10.3	0.500	0.250	82
Nitrobenzene	12.5	10.6	0.500	0.250	85
Isophorone	12.5	10.1	0.500	0.250	81
2-Nitrophenol	12.5	10.7	0.500	0.250	86
2,4-Dimethylphenol	12.5	10.8	0.500	0.250	86
bis(2-Chloroethoxy)methane	12.5	10.7	0.500	0.250	86
1,2,4-Trichlorobenzene	25.0	19.5	0.500	0.250	78
Naphthalene	25.0	18.9	0.500	0.250	76
2,4-Dichlorophenol	12.5	10.2	0.500	0.250	82
4-Chloroaniline	12.5	10.8	0.500	0.250	86
Hexachlorobutadiene	25.0	21.0	0.500	0.250	84
1,2,3-Trichlorobenzene	12.5	10.4	0.500	0.250	83
4-Chloro-3-methylphenol	12.5	10.3	0.500	0.250	82
2-Methylnaphthalene	12.5	9.37	0.500	0.250	75
1-Methylnaphthalene	12.5	9.82	0.500	0.250	79
Hexachlorocyclopentadiene	12.5	11.4	0.500	0.250	91
2,4,6-Trichlorophenol	12.5	10.4	0.500	0.250	83
2,4,5-Trichlorophenol	12.5	10.4	0.500	0.250	83
Diphenylamine	12.5	10.4	0.500	0.250	83
Azobenzene	12.5	10.0	0.500	0.250	80
2-Chloronaphthalene	12.5	10.4	0.500	0.250	83
2-Nitroaniline	12.5	10.1	0.500	0.250	81
1,4-Dinitrobenzene	12.5	10.9	0.500	0.250	87

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Soil Blank Spike

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	QC100616-SBS		
File ID:	D070207.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	NA	Decanted:	None
Date Received:	NA		
Date Prepared:	6/16/2010	Sample Size (g):	4.00
Date Cleanup:	NA	Percent Solid:	100%
Date Analyzed:	7/2/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
Dimethylphthalate	12.5	10.5	0.500	0.250	84
1,3-Dinitrobenzene	12.5	11.0	0.500	0.250	88
Acenaphthylene	12.5	10.1	0.500	0.250	81
2,6-dinitrotoluene	12.5	10.8	0.500	0.250	86
1,2-Dinitrobenzene	12.5	10.4	0.500	0.250	83
3-Nitroaniline	12.5	10.4	0.500	0.250	83
Acenaphthene	12.5	10.2	0.500	0.250	82
2,4-Dinitrophenol	12.5	5.92	0.500	0.250	47
4-Nitrophenol	12.5	9.99	0.500	0.250	80
Dibenzofuran	12.5	10.0	0.500	0.250	80
2,4-dinitrotoluene	12.5	11.0	0.500	0.250	88
2,3,4,6-Tetrachlorophenol	12.5	10.5	0.500	0.250	84
2,3,5,6-Tetrachlorophenol	12.5	10.4	0.500	0.250	83
Diethylphthalate	12.5	10.1	0.500	0.250	81
4-Chlorophenyl-phenylether	12.5	10.6	0.500	0.250	85
Fluorene	12.5	9.99	0.500	0.250	80
4-Nitroaniline	12.5	10.5	0.500	0.250	84
4,6-Dinitro-2-methylphenol	12.5	8.64	0.500	0.250	69
n-Nitrosodiphenylamine	12.5	10.6	0.500	0.250	85
4-Bromophenyl phenyl ether	12.5	11.1	0.500	0.250	89
Hexachlorobenzene	12.5	11.0	0.500	0.250	88
Pentachlorophenol	12.5	11.1	0.500	0.250	89
Phenanthrene	12.5	10.5	0.500	0.250	84
Anthracene	12.5	10.6	0.500	0.250	85
Carbazole	12.5	10.4	0.500	0.250	83
Di-n-butylphthalate	12.5	10.6	0.500	0.250	85
Bis(2-ethylhexyl) adipate	12.5	10.5	0.500	0.250	84
Fluoranthene	12.5	10.5	0.500	0.250	84
Pyrene	12.5	10.6	0.500	0.250	85
Butylbenzylphthalate	12.5	8.47	0.500	0.250	68
Benz[a]anthracene	12.5	8.39	0.500	0.250	67
Chrysene	12.5	8.33	0.500	0.250	67
bis(2-Ethylhexyl)phthalate	12.5	8.53	0.500	0.250	68
Di-n-octylphthalate	12.5	8.73	0.500	0.250	70
Benzo[b]fluoranthene	12.5	8.48	0.500	0.250	68
Benzo[k]fluoranthene	12.5	9.31	0.500	0.250	74
Benzo[a]pyrene	12.5	8.96	0.500	0.250	72
Indeno[1,2,3-cd]pyrene	12.5	8.74	0.500	0.250	70
Dibenz[a,h]anthracene	12.5	9.11	0.500	0.250	73
Benzo[g,h,i]perylene	12.5	8.91	0.500	0.250	71

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Soil Blank Spike

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	QC100616-SBS		
File ID:	D070207.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	NA	Decanted:	None
Date Received:	NA		
Date Prepared:	6/16/2010	Sample Size (g):	4.00
Date Cleanup:	NA	Percent Solid:	100%
Date Analyzed:	7/2/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
Extraction Surrogate Recoveries (%)		Limits		
Toluene-d8	79	50 - 120		
4-Bromofluorobenzene	79	50 - 120		
2-Fluorophenol	83	50 - 120		
Phenol-d5	76	50 - 120		
Nitrobenzene-d5	81	50 - 120		
2-Fluorobiphenyl	80	50 - 120		
2,4,6-Tribromophenol	89	50 - 120		
p-Terphenyl-d14	66	50 - 120		

NA - Not applicable.
B - Analyte detected in the Blank.
J - Estimated value; detected between the RL and DL.
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Matrix Spike of NAPL C SO-1

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-06MS		
File ID:	D070213.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/16/2010	Sample Size (g):	4.65
Date Cleanup:	NA	Percent Solid:	44.8%
Date Analyzed:	7/3/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
VOC & SVOC COMPOUNDS:	Spike Amount				% Recovery
cis-1,2-Dichloroethene	24.0	8.47	0.960	0.480	35
2,2-Dichloropropane	24.0	12.3	0.960	0.480	51
Chloroform	24.0	9.21	0.960	0.480	38
1,1,1-Trichloroethane	24.0	12.0	0.960	0.480	50
1,2-Dichloroethane	24.0	16.7	0.960	0.480	70
1,1-Dichloropropene	24.0	12.0	0.960	0.480	50
Benzene	24.0	20.8	0.960	0.480	81
Carbon Tetrachloride	24.0	8.79	0.960	0.480	37
1,2-Dichloropropane	24.0	21.5	0.960	0.480	90
Trichloroethene	24.0	17.6	0.960	0.480	73
Dibromomethane	24.0	18.6	0.960	0.480	77
Bromodichloromethane	24.0	17.4	0.960	0.480	72
Pyridine	24.0	16.9	0.960	0.480	70
cis-1,3-Dichloropropene	24.0	19.3	0.960	0.480	80
N-nitrosodimethylamine	24.0	19.0	0.960	0.480	79
Toluene	24.0	21.0	0.960	0.480	87
trans-1,3-Dichloropropene	24.0	18.0	0.960	0.480	75
1,1,2-Trichloroethane	24.0	18.3	0.960	0.480	76
1,3-Dichloropropane	24.0	18.6	0.960	0.480	77
Dibromochloromethane	24.0	18.2	0.960	0.480	76
1,2-Dibromoethane	24.0	18.8	0.960	0.480	78
Tetrachloroethene	24.0	19.1	0.960	0.480	80
Chlorobenzene	24.0	18.8	0.960	0.480	78
1,1,1,2-Tetrachloroethane	24.0	18.4	0.960	0.480	77
Ethylbenzene	24.0	18.5	0.960	0.480	77
m/p-Xylenes	24.0	18.0	0.960	0.480	75
Bromoform	24.0	18.7	0.960	0.480	78
Styrene	24.0	18.2	0.960	0.480	76
o-Xylene	24.0	18.7	0.960	0.480	78
1,1,2,2-Tetrachloroethane	24.0	19.4	0.960	0.480	81
1,2,3-Trichloropropane	24.0	18.5	0.960	0.480	77
Isopropylbenzene	24.0	18.9	0.960	0.480	79
Bromobenzene	24.0	18.6	0.960	0.480	77
2-Chlorotoluene	24.0	19.1	0.960	0.480	80
n-Propylbenzene	24.0	18.8	0.960	0.480	78
4-Chlorotoluene	24.0	18.8	0.960	0.480	78
1,3,5-Trimethylbenzene	24.0	18.8	0.960	0.480	78
tert-Butylbenzene	24.0	18.0	0.960	0.480	75

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Matrix Spike of NAPL C SO-1

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-06MS		
File ID:	D070213.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/16/2010	Sample Size (g):	4.65
Date Cleanup:	NA	Percent Solid:	44.8%
Date Analyzed:	7/3/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
1,2,4-Trimethylbenzene	48.0	18.2	0.960	0.480	38
sec-Butylbenzene	24.0	17.8	0.960	0.480	74
Phenol	24.0	20.0	0.960	0.480	83
bis(2-Chloroethyl)ether	24.0	18.9	0.960	0.480	79
Aniline	24.0	16.5	0.960	0.480	69
2-Chlorophenol	24.0	18.7	0.960	0.480	78
1,3-Dichlorobenzene	48.0	35.2	0.960	0.480	73
1,4-Dichlorobenzene	48.0	34.2	0.960	0.480	71
p-Isopropyltoluene	24.0	18.3	0.960	0.480	76
Benzyl Alcohol	24.0	19.1	0.960	0.480	80
2-Methylphenol (m-cresol)	24.0	19.8	0.960	0.480	82
1,2-Dichlorobenzene	48.0	35.3	0.960	0.480	74
3,4-Methylphenol (o,p-cresol)	24.0	18.9	0.960	0.480	79
bis(2-chloroisopropyl)ether	24.0	18.8	0.960	0.480	78
n-Butylbenzene	24.0	18.6	0.960	0.480	77
N-nitroso-di-n-propylamine	24.0	19.4	0.960	0.480	81
Hexachloroethane	24.0	18.5	0.960	0.480	77
1,2-Dibromo-3-Chloropropane	24.0	18.5	0.960	0.480	77
Nitrobenzene	24.0	19.1	0.960	0.480	80
Isophorone	24.0	19.2	0.960	0.480	80
2-Nitrophenol	24.0	19.1	0.960	0.480	80
2,4-Dimethylphenol	24.0	25.9	0.960	0.480	108
bis(2-Chloroethoxy)methane	24.0	20.0	0.960	0.480	83
1,2,4-Trichlorobenzene	24.0	36.1	0.960	0.480	150
Naphthalene	48.0	34.8	0.960	0.480	72
2,4-Dichlorophenol	24.0	19.4	0.960	0.480	81
4-Chloroaniline	24.0	16.8	0.960	0.480	70
Hexachlorobutadiene	48.0	40.0	0.960	0.480	83
1,2,3-Trichlorobenzene	24.0	19.0	0.960	0.480	79
4-Chloro-3-methylphenol	24.0	19.2	0.960	0.480	80
2-Methylnaphthalene	24.0	17.7	0.960	0.480	74
1-Methylnaphthalene	24.0	18.9	0.960	0.480	79
Hexachlorocyclopentadiene	24.0	10.7	0.960	0.480	45
2,4,6-Trichlorophenol	24.0	16.9	0.960	0.480	70
2,4,5-Trichlorophenol	24.0	15.9	0.960	0.480	66
Diphenylamine	24.0	16.4	0.960	0.480	68
Azobenzene	24.0	16.6	0.960	0.480	69
2-Chloronaphthalene	24.0	16.4	0.960	0.480	68
2-Nitroaniline	24.0	15.3	0.960	0.480	64
1,4-Dinitrobenzene	24.0	16.0	0.960	0.480	67

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Matrix Spike of NAPL C SO-1

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-06MS		
File ID:	D070213.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/16/2010	Sample Size (g):	4.65
Date Cleanup:	NA	Percent Solid:	44.8%
Date Analyzed:	7/3/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
Dimethylphthalate	24.0	16.5	0.960	0.480	69
1,3-Dinitrobenzene	24.0	16.3	0.960	0.480	68
Acenaphthylene	24.0	16.2	0.960	0.480	67
2,6-dinitrotoluene	24.0	16.6	0.960	0.480	69
1,2-Dinitrobenzene	24.0	14.5	0.960	0.480	60
3-Nitroaniline	24.0	14.4	0.960	0.480	60
Acenaphthene	24.0	16.3	0.960	0.480	68
2,4-Dinitrophenol	24.0	3.0	0.960	0.480	12
4-Nitrophenol	24.0	12.8	0.960	0.480	53
Dibenzofuran	24.0	16.2	0.960	0.480	67
2,4-dinitrotoluene	24.0	16.9	0.960	0.480	70
2,3,4,6-Tetrachlorophenol	24.0	16.5	0.960	0.480	69
2,3,5,6-Tetrachlorophenol	24.0	16.7	0.960	0.480	70
Diethylphthalate	24.0	15.8	0.960	0.480	66
4-Chlorophenyl-phenylether	24.0	16.8	0.960	0.480	70
Fluorene	24.0	16.0	0.960	0.480	67
4-Nitroaniline	24.0	14.6	0.960	0.480	61
4,6-Dinitro-2-methylphenol	24.0	12.1	0.960	0.480	50
n-Nitrosodiphenylamine	24.0	18.7	0.960	0.480	78
4-Bromophenyl phenyl ether	24.0	20.9	0.960	0.480	87
Hexachlorobenzene	24.0	20.6	0.960	0.480	86
Pentachlorophenol	24.0	19.1	0.960	0.480	80
Phenanthrene	24.0	18.9	0.960	0.480	79
Anthracene	24.0	19.1	0.960	0.480	80
Carbazole	24.0	18.7	0.960	0.480	78
Di-n-butylphthalate	24.0	19.1	0.960	0.480	80
Bis(2-ethylhexyl) adipate	24.0	18.2	0.960	0.480	76
Fluoranthene	24.0	19.8	0.960	0.480	82
Pyrene	24.0	19.4	0.960	0.480	79
Butylbenzylphthalate	24.0	15.4	0.960	0.480	64
Benz[a]anthracene	24.0	15.5	0.960	0.480	65
Chrysene	24.0	14.9	0.960	0.480	62
bis(2-Ethylhexyl)phthalate	24.0	18.8	0.960	0.480	61
Di-n-octylphthalate	24.0	16.0	0.960	0.480	67
Benzo[b]fluoranthene	24.0	18.0	0.960	0.480	75
Benzo[k]fluoranthene	24.0	14.8	0.960	0.480	62
Benzo[a]pyrene	24.0	16.2	0.960	0.480	67
Indeno[1,2,3-cd]pyrene	24.0	16.1	0.960	0.480	67
Dibenz[a,h]anthracene	24.0	16.5	0.960	0.480	69
Benzo[g,h,i]perylene	24.0	16.0	0.960	0.480	67

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Matrix Spike of NAPL C SO-1

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-06MS		
File ID:	D070213.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/16/2010	Sample Size (g):	4.65
Date Cleanup:	NA	Percent Solid:	44.8%
Date Analyzed:	7/3/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
Extraction Surrogate Recoveries (%)		Limits		
Toluene-d8	66	50 - 120		
4-Bromofluorobenzene	77	50 - 120		
2-Fluorophenol	83	50 - 120		
Phenol-d5	78	50 - 120		
Nitrobenzene-d5	83	50 - 120		
2-Fluorobiphenyl	73	50 - 120		
2,4,6-Tribromophenol	96	50 - 120		
p-Terphenyl-d14	70	50 - 120		

NA - Not applicable.
B - Analyte detected in the Blank.
J - Estimated value; detected between the RL and DL.
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Matrix Spike Duplicate of NAPL C SO-1

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-06MSD		
File ID:	D070214.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/16/2010	Sample Size (g):	4.52
Date Cleanup:	NA	Percent Solid:	44.8%
Date Analyzed:	7/3/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments	
VOC & SVOC COMPOUNDS:	Spike Amount				% Recovery	RPD
cis-1,2-Dichloroethene	24.7	10.7	0.99	0.49	43	23.3
2,2-Dichloropropane	24.7	15.2	0.99	0.49	62	21.1
Chloroform	24.7	11.0	0.99	0.49	45	17.7
1,1,1-Trichloroethane	24.7	14.9	0.99	0.49	60	21.6
1,2-Dichloroethane	24.7	19.7	0.99	0.49	80	16.5
1,1-Dichloropropene	24.7	14.6	0.99	0.49	59	19.5
Benzene	24.7	24.2	0.99	0.49	93	15.1
Carbon Tetrachloride	24.7	11.2	0.99	0.49	45	24.1
1,2-Dichloropropane	24.7	23.6	0.99	0.49	96	9.3
Trichloroethene	24.7	21.1	0.99	0.49	85	18.1
Dibromomethane	24.7	20.9	0.99	0.49	85	11.6
Bromodichloromethane	24.7	20.0	0.99	0.49	81	13.9
Pyridine	24.7	17.8	0.99	0.49	72	5.2
cis-1,3-Dichloropropene	24.7	21.2	0.99	0.49	86	9.4
N-nitrosodimethylamine	24.7	20.2	0.99	0.49	82	6.1
Toluene	24.7	23.5	0.99	0.49	95	11.2
trans-1,3-Dichloropropene	24.7	20.6	0.99	0.49	83	13.5
1,1,2-Trichloroethane	24.7	20.7	0.99	0.49	84	12.3
1,3-Dichloropropane	24.7	20.9	0.99	0.49	85	11.6
Dibromochloromethane	24.7	21.0	0.99	0.49	85	14.3
1,2-Dibromoethane	24.7	20.9	0.99	0.49	85	10.6
Tetrachloroethene	24.7	22.3	0.99	0.49	90	15.5
Chlorobenzene	24.7	21.2	0.99	0.49	86	12
1,1,1,2-Tetrachloroethane	24.7	21.0	0.99	0.49	85	13.2
Ethylbenzene	24.7	21.0	0.99	0.49	85	12.7
m/p-Xylenes	24.7	20.2	0.99	0.49	82	11.5
Bromoform	24.7	21.3	0.99	0.49	86	13
Styrene	24.7	20.5	0.99	0.49	83	11.9
o-Xylene	24.7	20.7	0.99	0.49	84	10.2
1,1,2,2-Tetrachloroethane	24.7	22.3	0.99	0.49	90	13.9
1,2,3-Trichloropropane	24.7	20.8	0.99	0.49	84	11.7
Isopropylbenzene	24.7	21.3	0.99	0.49	86	11.9
Bromobenzene	24.7	20.6	0.99	0.49	83	10.2
2-Chlorotoluene	24.7	21.4	0.99	0.49	87	11.4
n-Propylbenzene	24.7	21.4	0.99	0.49	87	12.9
4-Chlorotoluene	24.7	21.4	0.99	0.49	87	12.9
1,3,5-Trimethylbenzene	24.7	21.4	0.99	0.49	87	12.9
tert-Butylbenzene	24.7	20.5	0.99	0.49	83	13

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Matrix Spike Duplicate of NAPL C SO-1

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-06MSD		
File ID:	D070214.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/16/2010	Sample Size (g):	4.52
Date Cleanup:	NA	Percent Solid:	44.8%
Date Analyzed:	7/3/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments	
1,2,4-Trimethylbenzene	49.4	20.9	0.99	0.49	42	13.8
sec-Butylbenzene	24.7	20.4	0.99	0.49	83	13.6
Phenol	24.7	22.4	0.99	0.49	91	11.3
bis(2-Chloroethyl)ether	24.7	21.5	0.99	0.49	87	12.9
Aniline	24.7	19.1	0.99	0.49	77	14.6
2-Chlorophenol	24.7	21.1	0.99	0.49	85	12.1
1,3-Dichlorobenzene	49.4	39.6	0.99	0.49	80	11.8
1,4-Dichlorobenzene	49.4	38.6	0.99	0.49	78	12.1
p-Isopropyltoluene	24.7	20.8	0.99	0.49	84	12.8
Benzyl Alcohol	24.7	21.8	0.99	0.49	88	13.2
2-Methylphenol (m-cresol)	24.7	22.2	0.99	0.49	90	11.4
1,2-Dichlorobenzene	49.4	39.7	0.99	0.49	80	11.7
3,4-Methylphenol (o,p-cresol)	24.7	21.3	0.99	0.49	86	11.9
bis(2-chloroisopropyl)ether	24.7	21.1	0.99	0.49	85	11.5
n-Butylbenzene	24.7	21.1	0.99	0.49	85	12.6
N-nitroso-di-n-propylamine	24.7	21.9	0.99	0.49	89	12.1
Hexachloroethane	24.7	21.4	0.99	0.49	87	14.5
1,2-Dibromo-3-Chloropropane	24.7	21.1	0.99	0.49	85	13.1
Nitrobenzene	24.7	21.4	0.99	0.49	87	11.4
Isophorone	24.7	21.7	0.99	0.49	88	12.2
2-Nitrophenol	24.7	22.1	0.99	0.49	90	14.6
2,4-Dimethylphenol	24.7	28.9	0.99	0.49	117	10.9
bis(2-Chloroethoxy)methane	24.7	22.1	0.99	0.49	90	10
1,2,4-Trichlorobenzene	24.7	41.3	0.99	0.49	167	13.4
Naphthalene	49.4	39.2	0.99	0.49	79	11.9
2,4-Dichlorophenol	24.7	21.5	0.99	0.49	87	10.3
4-Chloroaniline	24.7	19.5	0.99	0.49	79	14.9
Hexachlorobutadiene	49.4	45.4	0.99	0.49	92	12.6
1,2,3-Trichlorobenzene	24.7	21.4	0.99	0.49	87	11.9
4-Chloro-3-methylphenol	24.7	21.4	0.99	0.49	87	10.8
2-Methylnaphthalene	24.7	19.8	0.99	0.49	80	11.2
1-Methylnaphthalene	24.7	21.4	0.99	0.49	87	12.4
Hexachlorocyclopentadiene	24.7	13.3	0.99	0.49	54	21.7
2,4,6-Trichlorophenol	24.7	18.9	0.99	0.49	77	11.2
2,4,5-Trichlorophenol	24.7	18.2	0.99	0.49	74	13.5
Diphenylamine	24.7	18.3	0.99	0.49	74	11
Azobenzene	24.7	18.9	0.99	0.49	77	13
2-Chloronaphthalene	24.7	18.3	0.99	0.49	74	11
2-Nitroaniline	24.7	17.5	0.99	0.49	71	13.4
1,4-Dinitrobenzene	24.7	18.6	0.99	0.49	75	15

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Matrix Spike Duplicate of NAPL C SO-1

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-06MSD		
File ID:	D070214.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/16/2010	Sample Size (g):	4.52
Date Cleanup:	NA	Percent Solid:	44.8%
Date Analyzed:	7/3/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments	
Dimethylphthalate	24.7	18.8	0.99	0.49	76	13
1,3-Dinitrobenzene	24.7	18.6	0.99	0.49	75	13.2
Acenaphthylene	24.7	18.2	0.99	0.49	74	11.6
2,6-dinitrotoluene	24.7	19.1	0.99	0.49	77	14
1,2-Dinitrobenzene	24.7	17.3	0.99	0.49	70	17.6
3-Nitroaniline	24.7	16.6	0.99	0.49	67	14.2
Acenaphthene	24.7	18.2	0.99	0.49	74	11
2,4-Dinitrophenol	24.7	3.72	0.99	0.49	15	21.4
4-Nitrophenol	24.7	14.6	0.99	0.49	59	13.1
Dibenzofuran	24.7	18.6	0.99	0.49	75	13.8
2,4-dinitrotoluene	24.7	19.2	0.99	0.49	78	12.7
2,3,4,6-Tetrachlorophenol	24.7	19.1	0.99	0.49	77	14.6
2,3,5,6-Tetrachlorophenol	24.7	18.8	0.99	0.49	76	11.8
Diethylphthalate	24.7	18.0	0.99	0.49	73	13
4-Chlorophenyl-phenylether	24.7	19.2	0.99	0.49	78	13.3
Fluorene	24.7	17.7	0.99	0.49	72	10.1
4-Nitroaniline	24.7	17.1	0.99	0.49	69	15.8
4,6-Dinitro-2-methylphenol	24.7	15.7	0.99	0.49	64	25.9
n-Nitrosodiphenylamine	24.7	20.8	0.99	0.49	84	10.6
4-Bromophenyl phenyl ether	24.7	23.7	0.99	0.49	96	12.6
Hexachlorobenzene	24.7	23.5	0.99	0.49	95	13.2
Pentachlorophenol	24.7	21.0	0.99	0.49	85	9.5
Phenanthrene	24.7	21.3	0.99	0.49	86	11.9
Anthracene	24.7	21.8	0.99	0.49	88	13.2
Carbazole	24.7	20.8	0.99	0.49	84	10.6
Di-n-butylphthalate	24.7	21.4	0.99	0.49	87	11.4
Bis(2-ethylhexyl) adipate	24.7	20.5	0.99	0.49	83	11.9
Fluoranthene	24.7	22.1	0.99	0.49	90	11
Pyrene	24.7	21.9	0.99	0.49	87	12.1
Butylbenzylphthalate	24.7	17.3	0.99	0.49	70	11.6
Benz[a]anthracene	24.7	17.5	0.99	0.49	71	12.1
Chrysene	24.7	17.0	0.99	0.49	69	13.2
bis(2-Ethylhexyl)phthalate	24.7	21.2	0.99	0.49	69	12
Di-n-octylphthalate	24.7	17.7	0.99	0.49	72	10.1
Benzo[b]fluoranthene	24.7	20.0	0.99	0.49	81	10.5
Benzo[k]fluoranthene	24.7	16.4	0.99	0.49	66	10.3
Benzo[a]pyrene	24.7	17.9	0.99	0.49	72	10
Indeno[1,2,3-cd]pyrene	24.7	18.2	0.99	0.49	74	12.2
Dibenz[a,h]anthracene	24.7	18.3	0.99	0.49	74	10.3
Benzo[g,h,i]perylene	24.7	18.0	0.99	0.49	73	11.8

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Matrix Spike Duplicate of NAPL C SO-1

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-06MSD		
File ID:	D070214.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/16/2010	Sample Size (g):	4.52
Date Cleanup:	NA	Percent Solid:	44.8%
Date Analyzed:	7/3/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
Extraction Surrogate Recoveries (%)		Limits		
Toluene-d8	74	50 - 120		
4-Bromofluorobenzene	85	50 - 120		
2-Fluorophenol	91	50 - 120		
Phenol-d5	86	50 - 120		
Nitrobenzene-d5	93	50 - 120		
2-Fluorobiphenyl	80	50 - 120		
2,4,6-Tribromophenol	111	50 - 120		
p-Terphenyl-d14	78	50 - 120		

NA - Not applicable.
B - Analyte detected in the Blank.
J - Estimated value; detected between the RL and DL.
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Duplicate of NAPL F SO-1

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-02DUP		
File ID:	D070215.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/16/2010	Sample Size (g):	4.66
Date Cleanup:	NA	Percent Solid:	82.8%
Date Analyzed:	7/3/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
VOC & SVOC COMPOUNDS:					RPD
cis-1,2-Dichloroethene		U	0.518	0.259	NA
2,2-Dichloropropane		U	0.518	0.259	NA
Chloroform		U	0.518	0.259	NA
1,1,1-Trichloroethane		U	0.518	0.259	NA
1,2-Dichloroethane		U	0.518	0.259	NA
1,1-Dichloropropene		U	0.518	0.259	NA
Benzene		U	0.518	0.259	NA
Carbon Tetrachloride		U	0.518	0.259	NA
1,2-Dichloropropane		U	0.518	0.259	NA
Trichloroethene		U	0.518	0.259	NA
Dibromomethane		U	0.518	0.259	NA
Bromodichloromethane		U	0.518	0.259	NA
Pyridine		U	0.518	0.259	NA
cis-1,3-Dichloropropene		U	0.518	0.259	NA
N-nitrosodimethylamine		U	0.518	0.259	NA
Toluene		U	0.518	0.259	NA
trans-1,3-Dichloropropene		U	0.518	0.259	NA
1,1,2-Trichloroethane		U	0.518	0.259	NA
1,3-Dichloropropane		U	0.518	0.259	NA
Dibromochloromethane		U	0.518	0.259	NA
1,2-Dibromoethane		U	0.518	0.259	NA
Tetrachloroethene		U	0.518	0.259	NA
Chlorobenzene	3.79		0.518	0.259	5.9
1,1,1,2-Tetrachloroethane		U	0.518	0.259	NA
Ethylbenzene		U	0.518	0.259	NA
m/p-Xylenes		U	0.518	0.259	NA
Bromoform		U	0.518	0.259	NA
Styrene		U	0.518	0.259	NA
o-Xylene		U	0.518	0.259	NA
1,1,2,2-Tetrachloroethane		U	0.518	0.259	NA
1,2,3-Trichloropropane		U	0.518	0.259	NA
Isopropylbenzene		U	0.518	0.259	NA
Bromobenzene		U	0.518	0.259	NA
2-Chlorotoluene		U	0.518	0.259	NA
n-Propylbenzene		U	0.518	0.259	NA
4-Chlorotoluene		U	0.518	0.259	NA
1,3,5-Trimethylbenzene		U	0.518	0.259	NA
tert-Butylbenzene		U	0.518	0.259	NA

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Duplicate of NAPL F SO-1

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-02DUP		
File ID:	D070215.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/16/2010	Sample Size (g):	4.66
Date Cleanup:	NA	Percent Solid:	82.8%
Date Analyzed:	7/3/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
1,2,4-Trimethylbenzene	U	0.518	0.259	NA
sec-Butylbenzene	U	0.518	0.259	NA
Phenol	U	0.518	0.259	NA
bis(2-Chloroethyl)ether	U	0.518	0.259	NA
Aniline	U	0.518	0.259	NA
2-Chlorophenol	U	0.518	0.259	NA
1,3-Dichlorobenzene	U	0.518	0.259	NA
1,4-Dichlorobenzene	0.616	0.518	0.259	6
p-Isopropyltoluene	U	0.518	0.259	NA
Benzyl Alcohol	U	0.518	0.259	NA
2-Methylphenol (m-cresol)	U	0.518	0.259	NA
1,2-Dichlorobenzene	U	0.518	0.259	NA
3,4-Methylphenol (o,p-cresol)	U	0.518	0.259	NA
bis(2-chloroisopropyl)ether	U	0.518	0.259	NA
n-Butylbenzene	U	0.518	0.259	NA
N-nitroso-di-n-propylamine	U	0.518	0.259	NA
Hexachloroethane	U	0.518	0.259	NA
1,2-Dibromo-3-Chloropropane	U	0.518	0.259	NA
Nitrobenzene	U	0.518	0.259	NA
Isophorone	U	0.518	0.259	NA
2-Nitrophenol	U	0.518	0.259	NA
2,4-Dimethylphenol	U	0.518	0.259	NA
bis(2-Chloroethoxy)methane	U	0.518	0.259	NA
1,2,4-Trichlorobenzene	U	0.518	0.259	NA
Naphthalene	U	0.518	0.259	NA
2,4-Dichlorophenol	U	0.518	0.259	NA
4-Chloroaniline	U	0.518	0.259	NA
Hexachlorobutadiene	U	0.518	0.259	NA
1,2,3-Trichlorobenzene	U	0.518	0.259	NA
4-Chloro-3-methylphenol	U	0.518	0.259	NA
2-Methylnaphthalene	U	0.518	0.259	NA
1-Methylnaphthalene	U	0.518	0.259	NA
Hexachlorocyclopentadiene	U	0.518	0.259	NA
2,4,6-Trichlorophenol	U	0.518	0.259	NA
2,4,5-Trichlorophenol	U	0.518	0.259	NA
Diphenylamine	U	0.518	0.259	NA
Azobenzene	U	0.518	0.259	NA
2-Chloronaphthalene	U	0.518	0.259	NA
2-Nitroaniline	U	0.518	0.259	NA
1,4-Dinitrobenzene	U	0.518	0.259	NA

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Duplicate of NAPL F SO-1

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-02DUP		
File ID:	D070215.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/16/2010	Sample Size (g):	4.66
Date Cleanup:	NA	Percent Solid:	82.8%
Date Analyzed:	7/3/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
Dimethylphthalate		U	0.518	0.259	NA
1,3-Dinitrobenzene		U	0.518	0.259	NA
Acenaphthylene		U	0.518	0.259	NA
2,6-dinitrotoluene		U	0.518	0.259	NA
1,2-Dinitrobenzene		U	0.518	0.259	NA
3-Nitroaniline		U	0.518	0.259	NA
Acenaphthene		U	0.518	0.259	NA
2,4-Dinitrophenol		U	0.518	0.259	NA
4-Nitrophenol		U	0.518	0.259	NA
Dibenzofuran		U	0.518	0.259	NA
2,4-dinitrotoluene		U	0.518	0.259	NA
2,3,4,6-Tetrachlorophenol		U	0.518	0.259	NA
2,3,5,6-Tetrachlorophenol		U	0.518	0.259	NA
Diethylphthalate		U	0.518	0.259	NA
4-Chlorophenyl-phenylether		U	0.518	0.259	NA
Fluorene		U	0.518	0.259	NA
4-Nitroaniline		U	0.518	0.259	NA
4,6-Dinitro-2-methylphenol		U	0.518	0.259	NA
n-Nitrosodiphenylamine		U	0.518	0.259	NA
4-Bromophenyl phenyl ether		U	0.518	0.259	NA
Hexachlorobenzene		U	0.518	0.259	NA
Pentachlorophenol		U	0.518	0.259	NA
Phenanthrene		U	0.518	0.259	NA
Anthracene		U	0.518	0.259	NA
Carbazole		U	0.518	0.259	NA
Di-n-butylphthalate		U	0.518	0.259	NA
Bis(2-ethylhexyl) adipate		U	0.518	0.259	NA
Fluoranthene		U	0.518	0.259	NA
Pyrene		U	0.518	0.259	NA
Butylbenzylphthalate		U	0.518	0.259	NA
Benz[a]anthracene		U	0.518	0.259	NA
Chrysene		U	0.518	0.259	NA
bis(2-Ethylhexyl)phthalate		U	0.518	0.259	NA
Di-n-octylphthalate		U	0.518	0.259	NA
Benzo[b]fluoranthene		U	0.518	0.259	NA
Benzo[k]fluoranthene		U	0.518	0.259	NA
Benzo[a]pyrene		U	0.518	0.259	NA
Indeno[1,2,3-cd]pyrene		U	0.518	0.259	NA
Dibenz[a,h]anthracene		U	0.518	0.259	NA
Benzo[g,h,i]perylene		U	0.518	0.259	NA

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Duplicate of NAPL F SO-1

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-02DUP		
File ID:	D070215.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/16/2010	Sample Size (g):	4.66
Date Cleanup:	NA	Percent Solid:	82.8%
Date Analyzed:	7/3/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100616-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
Extraction Surrogate Recoveries (%)		Limits		
Toluene-d8	73	50 - 120		
4-Bromofluorobenzene	85	50 - 120		
2-Fluorophenol	85	50 - 120		
Phenol-d5	92	50 - 120		
Nitrobenzene-d5	86	50 - 120		
2-Fluorobiphenyl	78	50 - 120		
2,4,6-Tribromophenol	91	50 - 120		
p-Terphenyl-d14	70	50 - 120		

NA - Not applicable.
B - Analyte detected in the Blank.
J - Estimated value; detected between the RL and DL.
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: B17-1.0-1.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-06		
File ID:	D071637.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.75
Date Cleanup:	NA	Percent Solid:	73.9%
Date Analyzed:	7/17/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
VOC & SVOC COMPOUNDS:				
cis-1,2-Dichloroethene	U	0.570	0.285	
2,2-Dichloropropane	U	0.570	0.285	
Chloroform	U	0.570	0.285	
1,1,1-Trichloroethane	U	0.570	0.285	
1,2-Dichloroethane	U	0.570	0.285	
1,1-Dichloropropene	U	0.570	0.285	
Benzene	U	0.570	0.285	
Carbon Tetrachloride	U	0.570	0.285	
1,2-Dichloropropane	U	0.570	0.285	
Trichloroethene	U	0.570	0.285	
Dibromomethane	U	0.570	0.285	
Bromodichloromethane	U	0.570	0.285	
Pyridine	U	0.570	0.285	
cis-1,3-Dichloropropene	U	0.570	0.285	
N-nitrosodimethylamine	U	0.570	0.285	
Toluene	U	0.570	0.285	
trans-1,3-Dichloropropene	U	0.570	0.285	
1,1,2-Trichloroethane	U	0.570	0.285	
1,3-Dichloropropane	U	0.570	0.285	
Dibromochloromethane	U	0.570	0.285	
1,2-Dibromoethane	U	0.570	0.285	
Tetrachloroethene	U	0.570	0.285	
Chlorobenzene	0.347 J	0.570	0.285	
1,1,1,2-Tetrachloroethane	U	0.570	0.285	
Ethylbenzene	U	0.570	0.285	
m/p-Xylenes	U	0.570	0.285	
Bromoform	U	0.570	0.285	
Styrene	U	0.570	0.285	
o-Xylene	U	0.570	0.285	
1,1,2,2-Tetrachloroethane	U	0.570	0.285	
1,2,3-Trichloropropane	U	0.570	0.285	
Isopropylbenzene	U	0.570	0.285	
Bromobenzene	U	0.570	0.285	
2-Chlorotoluene	U	0.570	0.285	
n-Propylbenzene	U	0.570	0.285	
4-Chlorotoluene	U	0.570	0.285	
1,3,5-Trimethylbenzene	U	0.570	0.285	
tert-Butylbenzene	U	0.570	0.285	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: B17-1.0-1.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-06		
File ID:	D071637.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.75
Date Cleanup:	NA	Percent Solid:	73.9%
Date Analyzed:	7/17/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
1,2,4-Trimethylbenzene	U	0.570	0.285	
sec-Butylbenzene	U	0.570	0.285	
Phenol	U	0.570	0.285	
bis(2-Chloroethyl)ether	U	0.570	0.285	
Aniline	U	0.570	0.285	
2-Chlorophenol	U	0.570	0.285	
1,3-Dichlorobenzene	U	0.570	0.285	
1,4-Dichlorobenzene	U	0.570	0.285	
p-Isopropyltoluene	U	0.570	0.285	
Benzyl Alcohol	U	0.570	0.285	
2-Methylphenol (m-cresol)	U	0.570	0.285	
1,2-Dichlorobenzene	U	0.570	0.285	
3,4-Methylphenol (o,p-cresol)	U	0.570	0.285	
bis(2-chloroisopropyl)ether	U	0.570	0.285	
n-Butylbenzene	U	0.570	0.285	
N-nitroso-di-n-propylamine	U	0.570	0.285	
Hexachloroethane	U	0.570	0.285	
1,2-Dibromo-3-Chloropropane	U	0.570	0.285	
Nitrobenzene	U	0.570	0.285	
Isophorone	U	0.570	0.285	
2-Nitrophenol	U	0.570	0.285	
2,4-Dimethylphenol	U	0.570	0.285	
bis(2-Chloroethoxy)methane	U	0.570	0.285	
1,2,4-Trichlorobenzene	U	0.570	0.285	
Naphthalene	U	0.570	0.285	
2,4-Dichlorophenol	U	0.570	0.285	
4-Chloroaniline	U	0.570	0.285	
Hexachlorobutadiene	U	0.570	0.285	
1,2,3-Trichlorobenzene	U	0.570	0.285	
4-Chloro-3-methylphenol	U	0.570	0.285	
2-Methylnaphthalene	U	0.570	0.285	
1-Methylnaphthalene	U	0.570	0.285	
Hexachlorocyclopentadiene	U	0.570	0.285	
2,4,6-Trichlorophenol	U	0.570	0.285	
2,4,5-Trichlorophenol	U	0.570	0.285	
Diphenylamine	U	0.570	0.285	
Azobenzene	U	0.570	0.285	
2-Chloronaphthalene	U	0.570	0.285	
2-Nitroaniline	U	0.570	0.285	
1,4-Dinitrobenzene	U	0.570	0.285	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: B17-1.0-1.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-06		
File ID:	D071637.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.75
Date Cleanup:	NA	Percent Solid:	73.9%
Date Analyzed:	7/17/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
Dimethylphthalate	U	0.570	0.285	
1,3-Dinitrobenzene	U	0.570	0.285	
Acenaphthylene	U	0.570	0.285	
2,6-dinitrotoluene	U	0.570	0.285	
1,2-Dinitrobenzene	U	0.570	0.285	
3-Nitroaniline	U	0.570	0.285	
Acenaphthene	U	0.570	0.285	
2,4-Dinitrophenol	U	0.570	0.285	
4-Nitrophenol	U	0.570	0.285	
Dibenzofuran	U	0.570	0.285	
2,4-dinitrotoluene	U	0.570	0.285	
2,3,4,6-Tetrachlorophenol	U	0.570	0.285	
2,3,5,6-Tetrachlorophenol	U	0.570	0.285	
Diethylphthalate	U	0.570	0.285	
4-Chlorophenyl-phenylether	U	0.570	0.285	
Fluorene	U	0.570	0.285	
4-Nitroaniline	U	0.570	0.285	
4,6-Dinitro-2-methylphenol	U	0.570	0.285	
n-Nitrosodiphenylamine	U	0.570	0.285	
4-Bromophenyl phenyl ether	U	0.570	0.285	
Hexachlorobenzene	U	0.570	0.285	
Pentachlorophenol	U	0.570	0.285	
Phenanthrene	U	0.570	0.285	
Anthracene	U	0.570	0.285	
Carbazole	U	0.570	0.285	
Di-n-butylphthalate	U	0.570	0.285	
Bis(2-ethylhexyl) adipate	U	0.570	0.285	
Fluoranthene	U	0.570	0.285	
Pyrene	U	0.570	0.285	
Butylbenzylphthalate	U	0.570	0.285	
Benz[a]anthracene	U	0.570	0.285	
Chrysene	U	0.570	0.285	
bis(2-Ethylhexyl)phthalate	U	0.570	0.285	
Di-n-octylphthalate	U	0.570	0.285	
Benzo[b]fluoranthene	U	0.570	0.285	
Benzo[k]fluoranthene	U	0.570	0.285	
Benzo[a]pyrene	U	0.570	0.285	
Indeno[1,2,3-cd]pyrene	U	0.570	0.285	
Dibenz[a,h]anthracene	U	0.570	0.285	
Benzo[g,h,i]perylene	U	0.570	0.285	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: B17-1.0-1.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-06		
File ID:	D071637.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.75
Date Cleanup:	NA	Percent Solid:	73.9%
Date Analyzed:	7/17/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
Extraction Surrogate Recoveries (%)		Limits		
Toluene-d8	61	50 - 120		
4-Bromofluorobenzene	77	50 - 120		
2-Fluorophenol	82	50 - 120		
Phenol-d5	109	50 - 120		
Nitrobenzene-d5	81	50 - 120		
2-Fluorobiphenyl	75	50 - 120		
2,4,6-Tribromophenol	92	50 - 120		
p-Terphenyl-d14	79	50 - 120		

NA - Not applicable.
B - Analyte detected in the Blank.
J - Estimated value; detected between the RL and DL.
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: CD-05-0-0.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-01		
File ID:	D071667.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.49
Date Cleanup:	NA	Percent Solid:	69.3%
Date Analyzed:	7/19/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
VOC & SVOC COMPOUNDS:				
cis-1,2-Dichloroethene	U	0.643	0.321	
2,2-Dichloropropane	U	0.643	0.321	
Chloroform	U	0.643	0.321	
1,1,1-Trichloroethane	U	0.643	0.321	
1,2-Dichloroethane	U	0.643	0.321	
1,1-Dichloropropene	U	0.643	0.321	
Benzene	U	0.643	0.321	
Carbon Tetrachloride	U	0.643	0.321	
1,2-Dichloropropane	U	0.643	0.321	
Trichloroethene	U	0.643	0.321	
Dibromomethane	U	0.643	0.321	
Bromodichloromethane	U	0.643	0.321	
Pyridine	U	0.643	0.321	
cis-1,3-Dichloropropene	U	0.643	0.321	
N-nitrosodimethylamine	U	0.643	0.321	
Toluene	U	0.643	0.321	
trans-1,3-Dichloropropene	U	0.643	0.321	
1,1,2-Trichloroethane	U	0.643	0.321	
1,3-Dichloropropane	U	0.643	0.321	
Dibromochloromethane	U	0.643	0.321	
1,2-Dibromoethane	U	0.643	0.321	
Tetrachloroethene	U	0.643	0.321	
Chlorobenzene	U	0.643	0.321	
1,1,1,2-Tetrachloroethane	U	0.643	0.321	
Ethylbenzene	U	0.643	0.321	
m/p-Xylenes	0.482 J	0.643	0.321	
Bromoform	U	0.643	0.321	
Styrene	U	0.643	0.321	
o-Xylene	U	0.643	0.321	
1,1,2,2-Tetrachloroethane	U	0.643	0.321	
1,2,3-Trichloropropane	U	0.643	0.321	
Isopropylbenzene	U	0.643	0.321	
Bromobenzene	U	0.643	0.321	
2-Chlorotoluene	U	0.643	0.321	
n-Propylbenzene	U	0.643	0.321	
4-Chlorotoluene	U	0.643	0.321	
1,3,5-Trimethylbenzene	U	0.643	0.321	
tert-Butylbenzene	U	0.643	0.321	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: CD-05-0-0.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-01		
File ID:	D071667.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.49
Date Cleanup:	NA	Percent Solid:	69.3%
Date Analyzed:	7/19/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
1,2,4-Trimethylbenzene	U	0.643	0.321	
sec-Butylbenzene	U	0.643	0.321	
Phenol	U	0.643	0.321	
bis(2-Chloroethyl)ether	U	0.643	0.321	
Aniline	U	0.643	0.321	
2-Chlorophenol	U	0.643	0.321	
1,3-Dichlorobenzene	U	0.643	0.321	
1,4-Dichlorobenzene	U	0.643	0.321	
p-Isopropyltoluene	U	0.643	0.321	
Benzyl Alcohol	U	0.643	0.321	
2-Methylphenol (m-cresol)	U	0.643	0.321	
1,2-Dichlorobenzene	U	0.643	0.321	
3,4-Methylphenol (o,p-cresol)	U	0.643	0.321	
bis(2-chloroisopropyl)ether	U	0.643	0.321	
n-Butylbenzene	U	0.643	0.321	
N-nitroso-di-n-propylamine	U	0.643	0.321	
Hexachloroethane	U	0.643	0.321	
1,2-Dibromo-3-Chloropropane	U	0.643	0.321	
Nitrobenzene	U	0.643	0.321	
Isophorone	U	0.643	0.321	
2-Nitrophenol	U	0.643	0.321	
2,4-Dimethylphenol	U	0.643	0.321	
bis(2-Chloroethoxy)methane	U	0.643	0.321	
1,2,4-Trichlorobenzene	U	0.643	0.321	
Naphthalene	U	0.643	0.321	
2,4-Dichlorophenol	U	0.643	0.321	
4-Chloroaniline	U	0.643	0.321	
Hexachlorobutadiene	U	0.643	0.321	
1,2,3-Trichlorobenzene	U	0.643	0.321	
4-Chloro-3-methylphenol	U	0.643	0.321	
2-Methylnaphthalene	U	0.643	0.321	
1-Methylnaphthalene	U	0.643	0.321	
Hexachlorocyclopentadiene	U	0.643	0.321	
2,4,6-Trichlorophenol	U	0.643	0.321	
2,4,5-Trichlorophenol	U	0.643	0.321	
Diphenylamine	U	0.643	0.321	
Azobenzene	U	0.643	0.321	
2-Chloronaphthalene	U	0.643	0.321	
2-Nitroaniline	U	0.643	0.321	
1,4-Dinitrobenzene	U	0.643	0.321	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: CD-05-0-0.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-01		
File ID:	D071667.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.49
Date Cleanup:	NA	Percent Solid:	69.3%
Date Analyzed:	7/19/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
Dimethylphthalate	U	0.643	0.321	
1,3-Dinitrobenzene	U	0.643	0.321	
Acenaphthylene	U	0.643	0.321	
2,6-dinitrotoluene	U	0.643	0.321	
1,2-Dinitrobenzene	U	0.643	0.321	
3-Nitroaniline	U	0.643	0.321	
Acenaphthene	U	0.643	0.321	
2,4-Dinitrophenol	U	0.643	0.321	
4-Nitrophenol	U	0.643	0.321	
Dibenzofuran	U	0.643	0.321	
2,4-dinitrotoluene	U	0.643	0.321	
2,3,4,6-Tetrachlorophenol	U	0.643	0.321	
2,3,5,6-Tetrachlorophenol	U	0.643	0.321	
Diethylphthalate	U	0.643	0.321	
4-Chlorophenyl-phenylether	U	0.643	0.321	
Fluorene	U	0.643	0.321	
4-Nitroaniline	U	0.643	0.321	
4,6-Dinitro-2-methylphenol	U	0.643	0.321	
n-Nitrosodiphenylamine	U	0.643	0.321	
4-Bromophenyl phenyl ether	U	0.643	0.321	
Hexachlorobenzene	U	0.643	0.321	
Pentachlorophenol	U	0.643	0.321	
Phenanthrene	U	0.643	0.321	
Anthracene	U	0.643	0.321	
Carbazole	U	0.643	0.321	
Di-n-butylphthalate	U	0.643	0.321	
Bis(2-ethylhexyl) adipate	U	0.643	0.321	
Fluoranthene	0.387 J	0.643	0.321	
Pyrene	0.349 J	0.643	0.321	
Butylbenzylphthalate	U	0.643	0.321	
Benz[a]anthracene	U	0.643	0.321	
Chrysene	U	0.643	0.321	
bis(2-Ethylhexyl)phthalate	21.4	0.643	0.321	
Di-n-octylphthalate	1.61	0.643	0.321	
Benzo[b]fluoranthene	U	0.643	0.321	
Benzo[k]fluoranthene	U	0.643	0.321	
Benzo[a]pyrene	U	0.643	0.321	
Indeno[1,2,3-cd]pyrene	U	0.643	0.321	
Dibenz[a,h]anthracene	U	0.643	0.321	
Benzo[g,h,i]perylene	U	0.643	0.321	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: CD-05-0-0.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-01		
File ID:	D071667.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.49
Date Cleanup:	NA	Percent Solid:	69.3%
Date Analyzed:	7/19/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
Extraction Surrogate Recoveries (%)		Limits		
Toluene-d8	62	50 - 120		
4-Bromofluorobenzene	77	50 - 120		
2-Fluorophenol	75	50 - 120		
Phenol-d5	99	50 - 120		
Nitrobenzene-d5	76	50 - 120		
2-Fluorobiphenyl	73	50 - 120		
2,4,6-Tribromophenol	89	50 - 120		
p-Terphenyl-d14	78	50 - 120		

NA - Not applicable.
B - Analyte detected in the Blank.
J - Estimated value; detected between the RL and DL.
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: CD-05-1.0-1.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-02		
File ID:	D071633.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.37
Date Cleanup:	NA	Percent Solid:	79.7%
Date Analyzed:	7/17/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
VOC & SVOC COMPOUNDS:					
cis-1,2-Dichloroethene		U	0.575	0.287	
2,2-Dichloropropane		U	0.575	0.287	
Chloroform		U	0.575	0.287	
1,1,1-Trichloroethane		U	0.575	0.287	
1,2-Dichloroethane		U	0.575	0.287	
1,1-Dichloropropene		U	0.575	0.287	
Benzene		U	0.575	0.287	
Carbon Tetrachloride		U	0.575	0.287	
1,2-Dichloropropane		U	0.575	0.287	
Trichloroethene		U	0.575	0.287	
Dibromomethane		U	0.575	0.287	
Bromodichloromethane		U	0.575	0.287	
Pyridine		U	0.575	0.287	
cis-1,3-Dichloropropene		U	0.575	0.287	
N-nitrosodimethylamine		U	0.575	0.287	
Toluene		U	0.575	0.287	
trans-1,3-Dichloropropene		U	0.575	0.287	
1,1,2-Trichloroethane		U	0.575	0.287	
1,3-Dichloropropane		U	0.575	0.287	
Dibromochloromethane		U	0.575	0.287	
1,2-Dibromoethane		U	0.575	0.287	
Tetrachloroethene		U	0.575	0.287	
Chlorobenzene	5.38		0.575	0.287	
1,1,1,2-Tetrachloroethane		U	0.575	0.287	
Ethylbenzene		U	0.575	0.287	
m/p-Xylenes		U	0.575	0.287	
Bromoform		U	0.575	0.287	
Styrene		U	0.575	0.287	
o-Xylene		U	0.575	0.287	
1,1,2,2-Tetrachloroethane		U	0.575	0.287	
1,2,3-Trichloropropane		U	0.575	0.287	
Isopropylbenzene		U	0.575	0.287	
Bromobenzene		U	0.575	0.287	
2-Chlorotoluene		U	0.575	0.287	
n-Propylbenzene		U	0.575	0.287	
4-Chlorotoluene		U	0.575	0.287	
1,3,5-Trimethylbenzene		U	0.575	0.287	
tert-Butylbenzene		U	0.575	0.287	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: CD-05-1.0-1.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-02		
File ID:	D071633.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.37
Date Cleanup:	NA	Percent Solid:	79.7%
Date Analyzed:	7/17/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
1,2,4-Trimethylbenzene		U	0.575	0.287	
sec-Butylbenzene		U	0.575	0.287	
Phenol		U	0.575	0.287	
bis(2-Chloroethyl)ether		U	0.575	0.287	
Aniline		U	0.575	0.287	
2-Chlorophenol		U	0.575	0.287	
1,3-Dichlorobenzene		U	0.575	0.287	
1,4-Dichlorobenzene	1.2		0.575	0.287	
p-Isopropyltoluene		U	0.575	0.287	
Benzyl Alcohol		U	0.575	0.287	
2-Methylphenol (m-cresol)		U	0.575	0.287	
1,2-Dichlorobenzene		U	0.575	0.287	
3,4-Methylphenol (o,p-cresol)		U	0.575	0.287	
bis(2-chloroisopropyl)ether		U	0.575	0.287	
n-Butylbenzene		U	0.575	0.287	
N-nitroso-di-n-propylamine		U	0.575	0.287	
Hexachloroethane		U	0.575	0.287	
1,2-Dibromo-3-Chloropropane		U	0.575	0.287	
Nitrobenzene		U	0.575	0.287	
Isophorone		U	0.575	0.287	
2-Nitrophenol		U	0.575	0.287	
2,4-Dimethylphenol		U	0.575	0.287	
bis(2-Chloroethoxy)methane		U	0.575	0.287	
1,2,4-Trichlorobenzene		U	0.575	0.287	
Naphthalene		U	0.575	0.287	
2,4-Dichlorophenol		U	0.575	0.287	
4-Chloroaniline		U	0.575	0.287	
Hexachlorobutadiene		U	0.575	0.287	
1,2,3-Trichlorobenzene		U	0.575	0.287	
4-Chloro-3-methylphenol		U	0.575	0.287	
2-Methylnaphthalene		U	0.575	0.287	
1-Methylnaphthalene		U	0.575	0.287	
Hexachlorocyclopentadiene		U	0.575	0.287	
2,4,6-Trichlorophenol		U	0.575	0.287	
2,4,5-Trichlorophenol		U	0.575	0.287	
Diphenylamine		U	0.575	0.287	
Azobenzene		U	0.575	0.287	
2-Chloronaphthalene		U	0.575	0.287	
2-Nitroaniline		U	0.575	0.287	
1,4-Dinitrobenzene		U	0.575	0.287	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: CD-05-1.0-1.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-02		
File ID:	D071633.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.37
Date Cleanup:	NA	Percent Solid:	79.7%
Date Analyzed:	7/17/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
Dimethylphthalate		U	0.575	0.287	
1,3-Dinitrobenzene		U	0.575	0.287	
Acenaphthylene		U	0.575	0.287	
2,6-dinitrotoluene		U	0.575	0.287	
1,2-Dinitrobenzene		U	0.575	0.287	
3-Nitroaniline		U	0.575	0.287	
Acenaphthene		U	0.575	0.287	
2,4-Dinitrophenol		U	0.575	0.287	
4-Nitrophenol		U	0.575	0.287	
Dibenzofuran		U	0.575	0.287	
2,4-dinitrotoluene		U	0.575	0.287	
2,3,4,6-Tetrachlorophenol		U	0.575	0.287	
2,3,5,6-Tetrachlorophenol		U	0.575	0.287	
Diethylphthalate		U	0.575	0.287	
4-Chlorophenyl-phenylether		U	0.575	0.287	
Fluorene		U	0.575	0.287	
4-Nitroaniline		U	0.575	0.287	
4,6-Dinitro-2-methylphenol		U	0.575	0.287	
n-Nitrosodiphenylamine		U	0.575	0.287	
4-Bromophenyl phenyl ether		U	0.575	0.287	
Hexachlorobenzene		U	0.575	0.287	
Pentachlorophenol		U	0.575	0.287	
Phenanthrene		U	0.575	0.287	
Anthracene		U	0.575	0.287	
Carbazole		U	0.575	0.287	
Di-n-butylphthalate		U	0.575	0.287	
Bis(2-ethylhexyl) adipate		U	0.575	0.287	
Fluoranthene		U	0.575	0.287	
Pyrene		U	0.575	0.287	
Butylbenzylphthalate		U	0.575	0.287	
Benz[a]anthracene		U	0.575	0.287	
Chrysene		U	0.575	0.287	
bis(2-Ethylhexyl)phthalate	11.3		0.575	0.287	
Di-n-octylphthalate	0.533	J	0.575	0.287	
Benzo[b]fluoranthene		U	0.575	0.287	
Benzo[k]fluoranthene		U	0.575	0.287	
Benzo[a]pyrene		U	0.575	0.287	
Indeno[1,2,3-cd]pyrene		U	0.575	0.287	
Dibenz[a,h]anthracene		U	0.575	0.287	
Benzo[g,h,i]perylene		U	0.575	0.287	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: CD-05-1.0-1.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-02		
File ID:	D071633.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.37
Date Cleanup:	NA	Percent Solid:	79.7%
Date Analyzed:	7/17/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
Extraction Surrogate Recoveries (%)		Limits		
Toluene-d8	74	50 - 120		
4-Bromofluorobenzene	81	50 - 120		
2-Fluorophenol	79	50 - 120		
Phenol-d5	102	50 - 120		
Nitrobenzene-d5	79	50 - 120		
2-Fluorobiphenyl	74	50 - 120		
2,4,6-Tribromophenol	88	50 - 120		
p-Terphenyl-d14	76	50 - 120		

NA - Not applicable.
B - Analyte detected in the Blank.
J - Estimated value; detected between the RL and DL.
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: B9-5E-0-0.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-03		
File ID:	D071634.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.64
Date Cleanup:	NA	Percent Solid:	55.7%
Date Analyzed:	7/17/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
VOC & SVOC COMPOUNDS:					
cis-1,2-Dichloroethene		U	0.773	0.387	
2,2-Dichloropropane		U	0.773	0.387	
Chloroform		U	0.773	0.387	
1,1,1-Trichloroethane		U	0.773	0.387	
1,2-Dichloroethane		U	0.773	0.387	
1,1-Dichloropropene		U	0.773	0.387	
Benzene		U	0.773	0.387	
Carbon Tetrachloride		U	0.773	0.387	
1,2-Dichloropropane		U	0.773	0.387	
Trichloroethene		U	0.773	0.387	
Dibromomethane		U	0.773	0.387	
Bromodichloromethane		U	0.773	0.387	
Pyridine		U	0.773	0.387	
cis-1,3-Dichloropropene		U	0.773	0.387	
N-nitrosodimethylamine		U	0.773	0.387	
Toluene		U	0.773	0.387	
trans-1,3-Dichloropropene		U	0.773	0.387	
1,1,2-Trichloroethane		U	0.773	0.387	
1,3-Dichloropropane		U	0.773	0.387	
Dibromochloromethane		U	0.773	0.387	
1,2-Dibromoethane		U	0.773	0.387	
Tetrachloroethene		U	0.773	0.387	
Chlorobenzene		U	0.773	0.387	
1,1,1,2-Tetrachloroethane		U	0.773	0.387	
Ethylbenzene		U	0.773	0.387	
m/p-Xylenes		U	0.773	0.387	
Bromoform		U	0.773	0.387	
Styrene		U	0.773	0.387	
o-Xylene		U	0.773	0.387	
1,1,2,2-Tetrachloroethane		U	0.773	0.387	
1,2,3-Trichloropropane		U	0.773	0.387	
Isopropylbenzene		U	0.773	0.387	
Bromobenzene		U	0.773	0.387	
2-Chlorotoluene		U	0.773	0.387	
n-Propylbenzene		U	0.773	0.387	
4-Chlorotoluene		U	0.773	0.387	
1,3,5-Trimethylbenzene		U	0.773	0.387	
tert-Butylbenzene		U	0.773	0.387	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: B9-5E-0-0.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-03		
File ID:	D071634.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.64
Date Cleanup:	NA	Percent Solid:	55.7%
Date Analyzed:	7/17/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
1,2,4-Trimethylbenzene		U	0.773	0.387	
sec-Butylbenzene		U	0.773	0.387	
Phenol		U	0.773	0.387	
bis(2-Chloroethyl)ether		U	0.773	0.387	
Aniline		U	0.773	0.387	
2-Chlorophenol		U	0.773	0.387	
1,3-Dichlorobenzene		U	0.773	0.387	
1,4-Dichlorobenzene		U	0.773	0.387	
p-Isopropyltoluene		U	0.773	0.387	
Benzyl Alcohol		U	0.773	0.387	
2-Methylphenol (m-cresol)		U	0.773	0.387	
1,2-Dichlorobenzene		U	0.773	0.387	
3,4-Methylphenol (o,p-cresol)		U	0.773	0.387	
bis(2-chloroisopropyl)ether		U	0.773	0.387	
n-Butylbenzene		U	0.773	0.387	
N-nitroso-di-n-propylamine		U	0.773	0.387	
Hexachloroethane		U	0.773	0.387	
1,2-Dibromo-3-Chloropropane		U	0.773	0.387	
Nitrobenzene		U	0.773	0.387	
Isophorone		U	0.773	0.387	
2-Nitrophenol		U	0.773	0.387	
2,4-Dimethylphenol		U	0.773	0.387	
bis(2-Chloroethoxy)methane		U	0.773	0.387	
1,2,4-Trichlorobenzene		U	0.773	0.387	
Naphthalene		U	0.773	0.387	
2,4-Dichlorophenol		U	0.773	0.387	
4-Chloroaniline		U	0.773	0.387	
Hexachlorobutadiene		U	0.773	0.387	
1,2,3-Trichlorobenzene		U	0.773	0.387	
4-Chloro-3-methylphenol		U	0.773	0.387	
2-Methylnaphthalene		U	0.773	0.387	
1-Methylnaphthalene		U	0.773	0.387	
Hexachlorocyclopentadiene		U	0.773	0.387	
2,4,6-Trichlorophenol		U	0.773	0.387	
2,4,5-Trichlorophenol		U	0.773	0.387	
Diphenylamine		U	0.773	0.387	
Azobenzene		U	0.773	0.387	
2-Chloronaphthalene		U	0.773	0.387	
2-Nitroaniline		U	0.773	0.387	
1,4-Dinitrobenzene		U	0.773	0.387	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: B9-5E-0-0.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-03		
File ID:	D071634.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.64
Date Cleanup:	NA	Percent Solid:	55.7%
Date Analyzed:	7/17/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
Dimethylphthalate	U	0.773	0.387	
1,3-Dinitrobenzene	U	0.773	0.387	
Acenaphthylene	U	0.773	0.387	
2,6-dinitrotoluene	U	0.773	0.387	
1,2-Dinitrobenzene	U	0.773	0.387	
3-Nitroaniline	U	0.773	0.387	
Acenaphthene	U	0.773	0.387	
2,4-Dinitrophenol	U	0.773	0.387	
4-Nitrophenol	U	0.773	0.387	
Dibenzofuran	U	0.773	0.387	
2,4-dinitrotoluene	U	0.773	0.387	
2,3,4,6-Tetrachlorophenol	U	0.773	0.387	
2,3,5,6-Tetrachlorophenol	U	0.773	0.387	
Diethylphthalate	U	0.773	0.387	
4-Chlorophenyl-phenylether	U	0.773	0.387	
Fluorene	U	0.773	0.387	
4-Nitroaniline	U	0.773	0.387	
4,6-Dinitro-2-methylphenol	U	0.773	0.387	
n-Nitrosodiphenylamine	U	0.773	0.387	
4-Bromophenyl phenyl ether	U	0.773	0.387	
Hexachlorobenzene	U	0.773	0.387	
Pentachlorophenol	U	0.773	0.387	
Phenanthrene	U	0.773	0.387	
Anthracene	U	0.773	0.387	
Carbazole	U	0.773	0.387	
Di-n-butylphthalate	U	0.773	0.387	
Bis(2-ethylhexyl) adipate	U	0.773	0.387	
Fluoranthene	0.543 J	0.773	0.387	
Pyrene	0.463 J	0.773	0.387	
Butylbenzylphthalate	1.68	0.773	0.387	
Benz[a]anthracene	U	0.773	0.387	
Chrysene	0.396 J	0.773	0.387	
bis(2-Ethylhexyl)phthalate	6.22	0.773	0.387	
Di-n-octylphthalate	0.517 J	0.773	0.387	
Benzo[b]fluoranthene	U	0.773	0.387	
Benzo[k]fluoranthene	U	0.773	0.387	
Benzo[a]pyrene	U	0.773	0.387	
Indeno[1,2,3-cd]pyrene	U	0.773	0.387	
Dibenz[a,h]anthracene	U	0.773	0.387	
Benzo[g,h,i]perylene	U	0.773	0.387	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: B9-5E-0-0.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-03		
File ID:	D071634.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.64
Date Cleanup:	NA	Percent Solid:	55.7%
Date Analyzed:	7/17/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
Extraction Surrogate Recoveries (%)		Limits		
Toluene-d8	65	50 - 120		
4-Bromofluorobenzene	79	50 - 120		
2-Fluorophenol	68	50 - 120		
Phenol-d5	91	50 - 120		
Nitrobenzene-d5	77	50 - 120		
2-Fluorobiphenyl	73	50 - 120		
2,4,6-Tribromophenol	83	50 - 120		
p-Terphenyl-d14	75	50 - 120		

NA - Not applicable.
B - Analyte detected in the Blank.
J - Estimated value; detected between the RL and DL.
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: B9-5E-1.0-1.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-04		
File ID:	D071635.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.74
Date Cleanup:	NA	Percent Solid:	80.6%
Date Analyzed:	7/17/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
VOC & SVOC COMPOUNDS:					
cis-1,2-Dichloroethene		U	0.524	0.262	
2,2-Dichloropropane		U	0.524	0.262	
Chloroform		U	0.524	0.262	
1,1,1-Trichloroethane		U	0.524	0.262	
1,2-Dichloroethane		U	0.524	0.262	
1,1-Dichloropropene		U	0.524	0.262	
Benzene		U	0.524	0.262	
Carbon Tetrachloride		U	0.524	0.262	
1,2-Dichloropropane		U	0.524	0.262	
Trichloroethene		U	0.524	0.262	
Dibromomethane		U	0.524	0.262	
Bromodichloromethane		U	0.524	0.262	
Pyridine		U	0.524	0.262	
cis-1,3-Dichloropropene		U	0.524	0.262	
N-nitrosodimethylamine		U	0.524	0.262	
Toluene		U	0.524	0.262	
trans-1,3-Dichloropropene		U	0.524	0.262	
1,1,2-Trichloroethane		U	0.524	0.262	
1,3-Dichloropropane		U	0.524	0.262	
Dibromochloromethane		U	0.524	0.262	
1,2-Dibromoethane		U	0.524	0.262	
Tetrachloroethene		U	0.524	0.262	
Chlorobenzene		U	0.524	0.262	
1,1,1,2-Tetrachloroethane		U	0.524	0.262	
Ethylbenzene		U	0.524	0.262	
m/p-Xylenes		U	0.524	0.262	
Bromoform		U	0.524	0.262	
Styrene		U	0.524	0.262	
o-Xylene		U	0.524	0.262	
1,1,2,2-Tetrachloroethane		U	0.524	0.262	
1,2,3-Trichloropropane		U	0.524	0.262	
Isopropylbenzene		U	0.524	0.262	
Bromobenzene		U	0.524	0.262	
2-Chlorotoluene		U	0.524	0.262	
n-Propylbenzene		U	0.524	0.262	
4-Chlorotoluene		U	0.524	0.262	
1,3,5-Trimethylbenzene		U	0.524	0.262	
tert-Butylbenzene		U	0.524	0.262	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: B9-5E-1.0-1.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-04		
File ID:	D071635.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.74
Date Cleanup:	NA	Percent Solid:	80.6%
Date Analyzed:	7/17/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
1,2,4-Trimethylbenzene		U	0.524	0.262	
sec-Butylbenzene		U	0.524	0.262	
Phenol		U	0.524	0.262	
bis(2-Chloroethyl)ether		U	0.524	0.262	
Aniline		U	0.524	0.262	
2-Chlorophenol		U	0.524	0.262	
1,3-Dichlorobenzene		U	0.524	0.262	
1,4-Dichlorobenzene		U	0.524	0.262	
p-Isopropyltoluene		U	0.524	0.262	
Benzyl Alcohol		U	0.524	0.262	
2-Methylphenol (m-cresol)		U	0.524	0.262	
1,2-Dichlorobenzene		U	0.524	0.262	
3,4-Methylphenol (o,p-cresol)		U	0.524	0.262	
bis(2-chloroisopropyl)ether		U	0.524	0.262	
n-Butylbenzene		U	0.524	0.262	
N-nitroso-di-n-propylamine		U	0.524	0.262	
Hexachloroethane		U	0.524	0.262	
1,2-Dibromo-3-Chloropropane		U	0.524	0.262	
Nitrobenzene		U	0.524	0.262	
Isophorone		U	0.524	0.262	
2-Nitrophenol		U	0.524	0.262	
2,4-Dimethylphenol		U	0.524	0.262	
bis(2-Chloroethoxy)methane		U	0.524	0.262	
1,2,4-Trichlorobenzene		U	0.524	0.262	
Naphthalene		U	0.524	0.262	
2,4-Dichlorophenol		U	0.524	0.262	
4-Chloroaniline		U	0.524	0.262	
Hexachlorobutadiene		U	0.524	0.262	
1,2,3-Trichlorobenzene		U	0.524	0.262	
4-Chloro-3-methylphenol		U	0.524	0.262	
2-Methylnaphthalene		U	0.524	0.262	
1-Methylnaphthalene		U	0.524	0.262	
Hexachlorocyclopentadiene		U	0.524	0.262	
2,4,6-Trichlorophenol		U	0.524	0.262	
2,4,5-Trichlorophenol		U	0.524	0.262	
Diphenylamine		U	0.524	0.262	
Azobenzene		U	0.524	0.262	
2-Chloronaphthalene		U	0.524	0.262	
2-Nitroaniline		U	0.524	0.262	
1,4-Dinitrobenzene		U	0.524	0.262	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: B9-5E-1.0-1.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-04		
File ID:	D071635.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.74
Date Cleanup:	NA	Percent Solid:	80.6%
Date Analyzed:	7/17/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
Dimethylphthalate		U	0.524	0.262	
1,3-Dinitrobenzene		U	0.524	0.262	
Acenaphthylene		U	0.524	0.262	
2,6-dinitrotoluene		U	0.524	0.262	
1,2-Dinitrobenzene		U	0.524	0.262	
3-Nitroaniline		U	0.524	0.262	
Acenaphthene		U	0.524	0.262	
2,4-Dinitrophenol		U	0.524	0.262	
4-Nitrophenol		U	0.524	0.262	
Dibenzofuran		U	0.524	0.262	
2,4-dinitrotoluene		U	0.524	0.262	
2,3,4,6-Tetrachlorophenol		U	0.524	0.262	
2,3,5,6-Tetrachlorophenol		U	0.524	0.262	
Diethylphthalate		U	0.524	0.262	
4-Chlorophenyl-phenylether		U	0.524	0.262	
Fluorene		U	0.524	0.262	
4-Nitroaniline		U	0.524	0.262	
4,6-Dinitro-2-methylphenol		U	0.524	0.262	
n-Nitrosodiphenylamine		U	0.524	0.262	
4-Bromophenyl phenyl ether		U	0.524	0.262	
Hexachlorobenzene		U	0.524	0.262	
Pentachlorophenol		U	0.524	0.262	
Phenanthrene		U	0.524	0.262	
Anthracene		U	0.524	0.262	
Carbazole		U	0.524	0.262	
Di-n-butylphthalate		U	0.524	0.262	
Bis(2-ethylhexyl) adipate		U	0.524	0.262	
Fluoranthene		U	0.524	0.262	
Pyrene		U	0.524	0.262	
Butylbenzylphthalate		U	0.524	0.262	
Benz[a]anthracene		U	0.524	0.262	
Chrysene		U	0.524	0.262	
bis(2-Ethylhexyl)phthalate		U	0.524	0.262	
Di-n-octylphthalate		U	0.524	0.262	
Benzo[b]fluoranthene		U	0.524	0.262	
Benzo[k]fluoranthene		U	0.524	0.262	
Benzo[a]pyrene		U	0.524	0.262	
Indeno[1,2,3-cd]pyrene		U	0.524	0.262	
Dibenz[a,h]anthracene		U	0.524	0.262	
Benzo[g,h,i]perylene		U	0.524	0.262	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: B9-5E-1.0-1.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-04		
File ID:	D071635.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.74
Date Cleanup:	NA	Percent Solid:	80.6%
Date Analyzed:	7/17/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
Extraction Surrogate Recoveries (%)		Limits		
Toluene-d8	62	50 - 120		
4-Bromofluorobenzene	73	50 - 120		
2-Fluorophenol	80	50 - 120		
Phenol-d5	106	50 - 120		
Nitrobenzene-d5	79	50 - 120		
2-Fluorobiphenyl	74	50 - 120		
2,4,6-Tribromophenol	86	50 - 120		
p-Terphenyl-d14	78	50 - 120		

NA - Not applicable.
B - Analyte detected in the Blank.
J - Estimated value; detected between the RL and DL.
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: B17-0-0.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-05		
File ID:	D071636.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.44
Date Cleanup:	NA	Percent Solid:	70.3%
Date Analyzed:	7/17/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
VOC & SVOC COMPOUNDS:				
cis-1,2-Dichloroethene	U	0.641	0.320	
2,2-Dichloropropane	U	0.641	0.320	
Chloroform	U	0.641	0.320	
1,1,1-Trichloroethane	U	0.641	0.320	
1,2-Dichloroethane	U	0.641	0.320	
1,1-Dichloropropene	U	0.641	0.320	
Benzene	U	0.641	0.320	
Carbon Tetrachloride	U	0.641	0.320	
1,2-Dichloropropane	U	0.641	0.320	
Trichloroethene	U	0.641	0.320	
Dibromomethane	U	0.641	0.320	
Bromodichloromethane	U	0.641	0.320	
Pyridine	U	0.641	0.320	
cis-1,3-Dichloropropene	U	0.641	0.320	
N-nitrosodimethylamine	U	0.641	0.320	
Toluene	U	0.641	0.320	
trans-1,3-Dichloropropene	U	0.641	0.320	
1,1,2-Trichloroethane	U	0.641	0.320	
1,3-Dichloropropane	U	0.641	0.320	
Dibromochloromethane	U	0.641	0.320	
1,2-Dibromoethane	U	0.641	0.320	
Tetrachloroethene	U	0.641	0.320	
Chlorobenzene	U	0.641	0.320	
1,1,1,2-Tetrachloroethane	U	0.641	0.320	
Ethylbenzene	U	0.641	0.320	
m/p-Xylenes	U	0.641	0.320	
Bromoform	U	0.641	0.320	
Styrene	U	0.641	0.320	
o-Xylene	U	0.641	0.320	
1,1,2,2-Tetrachloroethane	U	0.641	0.320	
1,2,3-Trichloropropane	U	0.641	0.320	
Isopropylbenzene	U	0.641	0.320	
Bromobenzene	U	0.641	0.320	
2-Chlorotoluene	U	0.641	0.320	
n-Propylbenzene	U	0.641	0.320	
4-Chlorotoluene	U	0.641	0.320	
1,3,5-Trimethylbenzene	U	0.641	0.320	
tert-Butylbenzene	U	0.641	0.320	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: B17-0-0.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-05		
File ID:	D071636.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.44
Date Cleanup:	NA	Percent Solid:	70.3%
Date Analyzed:	7/17/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
1,2,4-Trimethylbenzene	U	0.641	0.320	
sec-Butylbenzene	U	0.641	0.320	
Phenol	U	0.641	0.320	
bis(2-Chloroethyl)ether	U	0.641	0.320	
Aniline	U	0.641	0.320	
2-Chlorophenol	U	0.641	0.320	
1,3-Dichlorobenzene	U	0.641	0.320	
1,4-Dichlorobenzene	U	0.641	0.320	
p-Isopropyltoluene	U	0.641	0.320	
Benzyl Alcohol	U	0.641	0.320	
2-Methylphenol (m-cresol)	U	0.641	0.320	
1,2-Dichlorobenzene	U	0.641	0.320	
3,4-Methylphenol (o,p-cresol)	U	0.641	0.320	
bis(2-chloroisopropyl)ether	U	0.641	0.320	
n-Butylbenzene	U	0.641	0.320	
N-nitroso-di-n-propylamine	U	0.641	0.320	
Hexachloroethane	U	0.641	0.320	
1,2-Dibromo-3-Chloropropane	U	0.641	0.320	
Nitrobenzene	U	0.641	0.320	
Isophorone	U	0.641	0.320	
2-Nitrophenol	U	0.641	0.320	
2,4-Dimethylphenol	U	0.641	0.320	
bis(2-Chloroethoxy)methane	U	0.641	0.320	
1,2,4-Trichlorobenzene	U	0.641	0.320	
Naphthalene	0.325 J	0.641	0.320	
2,4-Dichlorophenol	U	0.641	0.320	
4-Chloroaniline	U	0.641	0.320	
Hexachlorobutadiene	U	0.641	0.320	
1,2,3-Trichlorobenzene	U	0.641	0.320	
4-Chloro-3-methylphenol	U	0.641	0.320	
2-Methylnaphthalene	U	0.641	0.320	
1-Methylnaphthalene	U	0.641	0.320	
Hexachlorocyclopentadiene	U	0.641	0.320	
2,4,6-Trichlorophenol	U	0.641	0.320	
2,4,5-Trichlorophenol	U	0.641	0.320	
Diphenylamine	U	0.641	0.320	
Azobenzene	U	0.641	0.320	
2-Chloronaphthalene	U	0.641	0.320	
2-Nitroaniline	U	0.641	0.320	
1,4-Dinitrobenzene	U	0.641	0.320	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: B17-0-0.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-05		
File ID:	D071636.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.44
Date Cleanup:	NA	Percent Solid:	70.3%
Date Analyzed:	7/17/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
Dimethylphthalate	U	0.641	0.320	
1,3-Dinitrobenzene	U	0.641	0.320	
Acenaphthylene	U	0.641	0.320	
2,6-dinitrotoluene	U	0.641	0.320	
1,2-Dinitrobenzene	U	0.641	0.320	
3-Nitroaniline	U	0.641	0.320	
Acenaphthene	U	0.641	0.320	
2,4-Dinitrophenol	U	0.641	0.320	
4-Nitrophenol	U	0.641	0.320	
Dibenzofuran	U	0.641	0.320	
2,4-dinitrotoluene	U	0.641	0.320	
2,3,4,6-Tetrachlorophenol	U	0.641	0.320	
2,3,5,6-Tetrachlorophenol	U	0.641	0.320	
Diethylphthalate	U	0.641	0.320	
4-Chlorophenyl-phenylether	U	0.641	0.320	
Fluorene	U	0.641	0.320	
4-Nitroaniline	U	0.641	0.320	
4,6-Dinitro-2-methylphenol	U	0.641	0.320	
n-Nitrosodiphenylamine	U	0.641	0.320	
4-Bromophenyl phenyl ether	U	0.641	0.320	
Hexachlorobenzene	U	0.641	0.320	
Pentachlorophenol	U	0.641	0.320	
Phenanthrene	U	0.641	0.320	
Anthracene	U	0.641	0.320	
Carbazole	U	0.641	0.320	
Di-n-butylphthalate	0.904	0.641	0.320	
Bis(2-ethylhexyl) adipate	0.363 J	0.641	0.320	
Fluoranthene	0.427 J	0.641	0.320	
Pyrene	0.358 J	0.641	0.320	
Butylbenzylphthalate	3.84	0.641	0.320	
Benz[a]anthracene	U	0.641	0.320	
Chrysene	U	0.641	0.320	
bis(2-Ethylhexyl)phthalate	12.3	0.641	0.320	
Di-n-octylphthalate	1.52	0.641	0.320	
Benzo[b]fluoranthene	U	0.641	0.320	
Benzo[k]fluoranthene	U	0.641	0.320	
Benzo[a]pyrene	U	0.641	0.320	
Indeno[1,2,3-cd]pyrene	U	0.641	0.320	
Dibenz[a,h]anthracene	U	0.641	0.320	
Benzo[g,h,i]perylene	U	0.641	0.320	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: B17-0-0.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-05		
File ID:	D071636.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.44
Date Cleanup:	NA	Percent Solid:	70.3%
Date Analyzed:	7/17/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
Extraction Surrogate Recoveries (%)		Limits		
Toluene-d8	64	50 - 120		
4-Bromofluorobenzene	78	50 - 120		
2-Fluorophenol	76	50 - 120		
Phenol-d5	98	50 - 120		
Nitrobenzene-d5	76	50 - 120		
2-Fluorobiphenyl	74	50 - 120		
2,4,6-Tribromophenol	86	50 - 120		
p-Terphenyl-d14	75	50 - 120		

NA - Not applicable.
B - Analyte detected in the Blank.
J - Estimated value; detected between the RL and DL.
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: 2G-0-0.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-07		
File ID:	D071664.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.34
Date Cleanup:	NA	Percent Solid:	42.9%
Date Analyzed:	7/18/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
VOC & SVOC COMPOUNDS:				
cis-1,2-Dichloroethene	U	1.07	0.537	
2,2-Dichloropropane	U	1.07	0.537	
Chloroform	U	1.07	0.537	
1,1,1-Trichloroethane	U	1.07	0.537	
1,2-Dichloroethane	U	1.07	0.537	
1,1-Dichloropropene	U	1.07	0.537	
Benzene	U	1.07	0.537	
Carbon Tetrachloride	U	1.07	0.537	
1,2-Dichloropropane	U	1.07	0.537	
Trichloroethene	U	1.07	0.537	
Dibromomethane	U	1.07	0.537	
Bromodichloromethane	U	1.07	0.537	
Pyridine	U	1.07	0.537	
cis-1,3-Dichloropropene	U	1.07	0.537	
N-nitrosodimethylamine	U	1.07	0.537	
Toluene	U	1.07	0.537	
trans-1,3-Dichloropropene	U	1.07	0.537	
1,1,2-Trichloroethane	U	1.07	0.537	
1,3-Dichloropropane	U	1.07	0.537	
Dibromochloromethane	U	1.07	0.537	
1,2-Dibromoethane	U	1.07	0.537	
Tetrachloroethene	U	1.07	0.537	
Chlorobenzene	U	1.07	0.537	
1,1,1,2-Tetrachloroethane	U	1.07	0.537	
Ethylbenzene	U	1.07	0.537	
m/p-Xylenes	U	1.07	0.537	
Bromoform	U	1.07	0.537	
Styrene	U	1.07	0.537	
o-Xylene	U	1.07	0.537	
1,1,2,2-Tetrachloroethane	U	1.07	0.537	
1,2,3-Trichloropropane	U	1.07	0.537	
Isopropylbenzene	U	1.07	0.537	
Bromobenzene	U	1.07	0.537	
2-Chlorotoluene	U	1.07	0.537	
n-Propylbenzene	U	1.07	0.537	
4-Chlorotoluene	U	1.07	0.537	
1,3,5-Trimethylbenzene	U	1.07	0.537	
tert-Butylbenzene	U	1.07	0.537	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: 2G-0-0.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-07		
File ID:	D071664.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.34
Date Cleanup:	NA	Percent Solid:	42.9%
Date Analyzed:	7/18/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
1,2,4-Trimethylbenzene	U	1.07	0.537	
sec-Butylbenzene	U	1.07	0.537	
Phenol	U	1.07	0.537	
bis(2-Chloroethyl)ether	U	1.07	0.537	
Aniline	U	1.07	0.537	
2-Chlorophenol	U	1.07	0.537	
1,3-Dichlorobenzene	U	1.07	0.537	
1,4-Dichlorobenzene	U	1.07	0.537	
p-Isopropyltoluene	U	1.07	0.537	
Benzyl Alcohol	U	1.07	0.537	
2-Methylphenol (m-cresol)	U	1.07	0.537	
1,2-Dichlorobenzene	U	1.07	0.537	
3,4-Methylphenol (o,p-cresol)	U	1.07	0.537	
bis(2-chloroisopropyl)ether	U	1.07	0.537	
n-Butylbenzene	U	1.07	0.537	
N-nitroso-di-n-propylamine	U	1.07	0.537	
Hexachloroethane	U	1.07	0.537	
1,2-Dibromo-3-Chloropropane	U	1.07	0.537	
Nitrobenzene	U	1.07	0.537	
Isophorone	U	1.07	0.537	
2-Nitrophenol	U	1.07	0.537	
2,4-Dimethylphenol	U	1.07	0.537	
bis(2-Chloroethoxy)methane	U	1.07	0.537	
1,2,4-Trichlorobenzene	U	1.07	0.537	
Naphthalene	U	1.07	0.537	
2,4-Dichlorophenol	U	1.07	0.537	
4-Chloroaniline	U	1.07	0.537	
Hexachlorobutadiene	U	1.07	0.537	
1,2,3-Trichlorobenzene	U	1.07	0.537	
4-Chloro-3-methylphenol	U	1.07	0.537	
2-Methylnaphthalene	U	1.07	0.537	
1-Methylnaphthalene	U	1.07	0.537	
Hexachlorocyclopentadiene	U	1.07	0.537	
2,4,6-Trichlorophenol	U	1.07	0.537	
2,4,5-Trichlorophenol	U	1.07	0.537	
Diphenylamine	U	1.07	0.537	
Azobenzene	U	1.07	0.537	
2-Chloronaphthalene	U	1.07	0.537	
2-Nitroaniline	U	1.07	0.537	
1,4-Dinitrobenzene	U	1.07	0.537	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: 2G-0-0.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-07		
File ID:	D071664.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.34
Date Cleanup:	NA	Percent Solid:	42.9%
Date Analyzed:	7/18/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
Dimethylphthalate	U	1.07	0.537	
1,3-Dinitrobenzene	U	1.07	0.537	
Acenaphthylene	0.805 J	1.07	0.537	
2,6-dinitrotoluene	U	1.07	0.537	
1,2-Dinitrobenzene	U	1.07	0.537	
3-Nitroaniline	U	1.07	0.537	
Acenaphthene	U	1.07	0.537	
2,4-Dinitrophenol	U	1.07	0.537	
4-Nitrophenol	U	1.07	0.537	
Dibenzofuran	U	1.07	0.537	
2,4-dinitrotoluene	U	1.07	0.537	
2,3,4,6-Tetrachlorophenol	U	1.07	0.537	
2,3,5,6-Tetrachlorophenol	U	1.07	0.537	
Diethylphthalate	U	1.07	0.537	
4-Chlorophenyl-phenylether	U	1.07	0.537	
Fluorene	U	1.07	0.537	
4-Nitroaniline	U	1.07	0.537	
4,6-Dinitro-2-methylphenol	U	1.07	0.537	
n-Nitrosodiphenylamine	U	1.07	0.537	
4-Bromophenyl phenyl ether	U	1.07	0.537	
Hexachlorobenzene	U	1.07	0.537	
Pentachlorophenol	U	1.07	0.537	
Phenanthrene	0.868 J	1.07	0.537	
Anthracene	0.722 J	1.07	0.537	
Carbazole	U	1.07	0.537	
Di-n-butylphthalate	U	1.07	0.537	
Bis(2-ethylhexyl) adipate	0.599 J	1.07	0.537	
Fluoranthene	5.0	1.07	0.537	
Pyrene	4.52	1.07	0.537	
Butylbenzylphthalate	U	1.07	0.537	
Benz[a]anthracene	3.68	1.07	0.537	
Chrysene	3.78	1.07	0.537	
bis(2-Ethylhexyl)phthalate	8.95	1.07	0.537	
Di-n-octylphthalate	U	1.07	0.537	
Benzo[b]fluoranthene	4.26	1.07	0.537	
Benzo[k]fluoranthene	2.75	1.07	0.537	
Benzo[a]pyrene	3.42	1.07	0.537	
Indeno[1,2,3-cd]pyrene	2.85	1.07	0.537	
Dibenz[a,h]anthracene	0.558 J	1.07	0.537	
Benzo[g,h,i]perylene	2.59	1.07	0.537	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: 2G-0-0.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-07		
File ID:	D071664.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.34
Date Cleanup:	NA	Percent Solid:	42.9%
Date Analyzed:	7/18/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
Extraction Surrogate Recoveries (%)		Limits		
Toluene-d8	57	50 - 120		
4-Bromofluorobenzene	74	50 - 120		
2-Fluorophenol	64	50 - 120		
Phenol-d5	89	50 - 120		
Nitrobenzene-d5	78	50 - 120		
2-Fluorobiphenyl	70	50 - 120		
2,4,6-Tribromophenol	82	50 - 120		
p-Terphenyl-d14	76	50 - 120		

NA - Not applicable.
B - Analyte detected in the Blank.
J - Estimated value; detected between the RL and DL.
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: 2G-1.0-1.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-08		
File ID:	D071658.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.18
Date Cleanup:	NA	Percent Solid:	56.8%
Date Analyzed:	7/18/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
VOC & SVOC COMPOUNDS:				
cis-1,2-Dichloroethene	U	0.842	0.421	
2,2-Dichloropropane	U	0.842	0.421	
Chloroform	U	0.842	0.421	
1,1,1-Trichloroethane	U	0.842	0.421	
1,2-Dichloroethane	U	0.842	0.421	
1,1-Dichloropropene	U	0.842	0.421	
Benzene	U	0.842	0.421	
Carbon Tetrachloride	U	0.842	0.421	
1,2-Dichloropropane	U	0.842	0.421	
Trichloroethene	U	0.842	0.421	
Dibromomethane	U	0.842	0.421	
Bromodichloromethane	U	0.842	0.421	
Pyridine	U	0.842	0.421	
cis-1,3-Dichloropropene	U	0.842	0.421	
N-nitrosodimethylamine	U	0.842	0.421	
Toluene	U	0.842	0.421	
trans-1,3-Dichloropropene	U	0.842	0.421	
1,1,2-Trichloroethane	U	0.842	0.421	
1,3-Dichloropropane	U	0.842	0.421	
Dibromochloromethane	U	0.842	0.421	
1,2-Dibromoethane	U	0.842	0.421	
Tetrachloroethene	U	0.842	0.421	
Chlorobenzene	U	0.842	0.421	
1,1,1,2-Tetrachloroethane	U	0.842	0.421	
Ethylbenzene	U	0.842	0.421	
m/p-Xylenes	U	0.842	0.421	
Bromoform	U	0.842	0.421	
Styrene	U	0.842	0.421	
o-Xylene	U	0.842	0.421	
1,1,2,2-Tetrachloroethane	U	0.842	0.421	
1,2,3-Trichloropropane	U	0.842	0.421	
Isopropylbenzene	U	0.842	0.421	
Bromobenzene	U	0.842	0.421	
2-Chlorotoluene	U	0.842	0.421	
n-Propylbenzene	U	0.842	0.421	
4-Chlorotoluene	U	0.842	0.421	
1,3,5-Trimethylbenzene	U	0.842	0.421	
tert-Butylbenzene	U	0.842	0.421	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: 2G-1.0-1.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-08		
File ID:	D071658.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.18
Date Cleanup:	NA	Percent Solid:	56.8%
Date Analyzed:	7/18/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
1,2,4-Trimethylbenzene		U	0.842	0.421	
sec-Butylbenzene		U	0.842	0.421	
Phenol		U	0.842	0.421	
bis(2-Chloroethyl)ether		U	0.842	0.421	
Aniline		U	0.842	0.421	
2-Chlorophenol		U	0.842	0.421	
1,3-Dichlorobenzene		U	0.842	0.421	
1,4-Dichlorobenzene		U	0.842	0.421	
p-Isopropyltoluene		U	0.842	0.421	
Benzyl Alcohol		U	0.842	0.421	
2-Methylphenol (m-cresol)		U	0.842	0.421	
1,2-Dichlorobenzene		U	0.842	0.421	
3,4-Methylphenol (o,p-cresol)		U	0.842	0.421	
bis(2-chloroisopropyl)ether		U	0.842	0.421	
n-Butylbenzene		U	0.842	0.421	
N-nitroso-di-n-propylamine		U	0.842	0.421	
Hexachloroethane		U	0.842	0.421	
1,2-Dibromo-3-Chloropropane		U	0.842	0.421	
Nitrobenzene		U	0.842	0.421	
Isophorone		U	0.842	0.421	
2-Nitrophenol		U	0.842	0.421	
2,4-Dimethylphenol		U	0.842	0.421	
bis(2-Chloroethoxy)methane		U	0.842	0.421	
1,2,4-Trichlorobenzene		U	0.842	0.421	
Naphthalene	0.920		0.842	0.421	
2,4-Dichlorophenol		U	0.842	0.421	
4-Chloroaniline		U	0.842	0.421	
Hexachlorobutadiene		U	0.842	0.421	
1,2,3-Trichlorobenzene		U	0.842	0.421	
4-Chloro-3-methylphenol		U	0.842	0.421	
2-Methylnaphthalene		U	0.842	0.421	
1-Methylnaphthalene		U	0.842	0.421	
Hexachlorocyclopentadiene		U	0.842	0.421	
2,4,6-Trichlorophenol		U	0.842	0.421	
2,4,5-Trichlorophenol		U	0.842	0.421	
Diphenylamine		U	0.842	0.421	
Azobenzene		U	0.842	0.421	
2-Chloronaphthalene		U	0.842	0.421	
2-Nitroaniline		U	0.842	0.421	
1,4-Dinitrobenzene		U	0.842	0.421	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: 2G-1.0-1.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-08		
File ID:	D071658.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.18
Date Cleanup:	NA	Percent Solid:	56.8%
Date Analyzed:	7/18/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
Dimethylphthalate		U	0.842	0.421	
1,3-Dinitrobenzene		U	0.842	0.421	
Acenaphthylene		U	0.842	0.421	
2,6-dinitrotoluene		U	0.842	0.421	
1,2-Dinitrobenzene		U	0.842	0.421	
3-Nitroaniline		U	0.842	0.421	
Acenaphthene		U	0.842	0.421	
2,4-Dinitrophenol		U	0.842	0.421	
4-Nitrophenol		U	0.842	0.421	
Dibenzofuran		U	0.842	0.421	
2,4-dinitrotoluene		U	0.842	0.421	
2,3,4,6-Tetrachlorophenol		U	0.842	0.421	
2,3,5,6-Tetrachlorophenol		U	0.842	0.421	
Diethylphthalate		U	0.842	0.421	
4-Chlorophenyl-phenylether		U	0.842	0.421	
Fluorene	0.546	J	0.842	0.421	
4-Nitroaniline		U	0.842	0.421	
4,6-Dinitro-2-methylphenol		U	0.842	0.421	
n-Nitrosodiphenylamine		U	0.842	0.421	
4-Bromophenyl phenyl ether		U	0.842	0.421	
Hexachlorobenzene		U	0.842	0.421	
Pentachlorophenol		U	0.842	0.421	
Phenanthrene	0.485	J	0.842	0.421	
Anthracene		U	0.842	0.421	
Carbazole		U	0.842	0.421	
Di-n-butylphthalate	0.492	J	0.842	0.421	
Bis(2-ethylhexyl) adipate		U	0.842	0.421	
Fluoranthene	0.838	J	0.842	0.421	
Pyrene	0.716	J	0.842	0.421	
Butylbenzylphthalate	0.564	J	0.842	0.421	
Benz[a]anthracene		U	0.842	0.421	
Chrysene		U	0.842	0.421	
bis(2-Ethylhexyl)phthalate	732	D	0.842	0.421	
Di-n-octylphthalate	0.682	J	0.842	0.421	
Benzo[b]fluoranthene	0.425	J	0.842	0.421	
Benzo[k]fluoranthene		U	0.842	0.421	
Benzo[a]pyrene		U	0.842	0.421	
Indeno[1,2,3-cd]pyrene		U	0.842	0.421	
Dibenz[a,h]anthracene		U	0.842	0.421	
Benzo[g,h,i]perylene		U	0.842	0.421	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: 2G-1.0-1.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-08		
File ID:	D071658.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.18
Date Cleanup:	NA	Percent Solid:	56.8%
Date Analyzed:	7/18/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
Extraction Surrogate Recoveries (%)		Limits		
Toluene-d8	46	50 - 120		
4-Bromofluorobenzene	57	50 - 120		
2-Fluorophenol	54	50 - 120		
Phenol-d5	73	50 - 120		
Nitrobenzene-d5	56	50 - 120		
2-Fluorobiphenyl	53	50 - 120		
2,4,6-Tribromophenol	62	50 - 120		
p-Terphenyl-d14	55	50 - 120		

NA - Not applicable.
B - Analyte detected in the Blank.
J - Estimated value; detected between the RL and DL.
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: 1I-0-0.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-09		
File ID:	D071640.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.35
Date Cleanup:	NA	Percent Solid:	19.5%
Date Analyzed:	7/17/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
VOC & SVOC COMPOUNDS:				
cis-1,2-Dichloroethene	U	2.36	1.18	
2,2-Dichloropropane	U	2.36	1.18	
Chloroform	U	2.36	1.18	
1,1,1-Trichloroethane	U	2.36	1.18	
1,2-Dichloroethane	U	2.36	1.18	
1,1-Dichloropropene	U	2.36	1.18	
Benzene	U	2.36	1.18	
Carbon Tetrachloride	U	2.36	1.18	
1,2-Dichloropropane	U	2.36	1.18	
Trichloroethene	U	2.36	1.18	
Dibromomethane	U	2.36	1.18	
Bromodichloromethane	U	2.36	1.18	
Pyridine	U	2.36	1.18	
cis-1,3-Dichloropropene	U	2.36	1.18	
N-nitrosodimethylamine	U	2.36	1.18	
Toluene	U	2.36	1.18	
trans-1,3-Dichloropropene	U	2.36	1.18	
1,1,2-Trichloroethane	U	2.36	1.18	
1,3-Dichloropropane	U	2.36	1.18	
Dibromochloromethane	U	2.36	1.18	
1,2-Dibromoethane	U	2.36	1.18	
Tetrachloroethene	U	2.36	1.18	
Chlorobenzene	U	2.36	1.18	
1,1,1,2-Tetrachloroethane	U	2.36	1.18	
Ethylbenzene	U	2.36	1.18	
m/p-Xylenes	U	2.36	1.18	
Bromoform	U	2.36	1.18	
Styrene	U	2.36	1.18	
o-Xylene	U	2.36	1.18	
1,1,2,2-Tetrachloroethane	U	2.36	1.18	
1,2,3-Trichloropropane	U	2.36	1.18	
Isopropylbenzene	U	2.36	1.18	
Bromobenzene	U	2.36	1.18	
2-Chlorotoluene	U	2.36	1.18	
n-Propylbenzene	U	2.36	1.18	
4-Chlorotoluene	U	2.36	1.18	
1,3,5-Trimethylbenzene	U	2.36	1.18	
tert-Butylbenzene	U	2.36	1.18	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: 1I-0-0.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-09		
File ID:	D071640.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.35
Date Cleanup:	NA	Percent Solid:	19.5%
Date Analyzed:	7/17/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
1,2,4-Trimethylbenzene		U	2.36	1.18	
sec-Butylbenzene		U	2.36	1.18	
Phenol		U	2.36	1.18	
bis(2-Chloroethyl)ether		U	2.36	1.18	
Aniline		U	2.36	1.18	
2-Chlorophenol		U	2.36	1.18	
1,3-Dichlorobenzene		U	2.36	1.18	
1,4-Dichlorobenzene		U	2.36	1.18	
p-Isopropyltoluene		U	2.36	1.18	
Benzyl Alcohol		U	2.36	1.18	
2-Methylphenol (m-cresol)		U	2.36	1.18	
1,2-Dichlorobenzene		U	2.36	1.18	
3,4-Methylphenol (o,p-cresol)		U	2.36	1.18	
bis(2-chloroisopropyl)ether		U	2.36	1.18	
n-Butylbenzene		U	2.36	1.18	
N-nitroso-di-n-propylamine		U	2.36	1.18	
Hexachloroethane		U	2.36	1.18	
1,2-Dibromo-3-Chloropropane		U	2.36	1.18	
Nitrobenzene		U	2.36	1.18	
Isophorone		U	2.36	1.18	
2-Nitrophenol		U	2.36	1.18	
2,4-Dimethylphenol		U	2.36	1.18	
bis(2-Chloroethoxy)methane		U	2.36	1.18	
1,2,4-Trichlorobenzene		U	2.36	1.18	
Naphthalene		U	2.36	1.18	
2,4-Dichlorophenol		U	2.36	1.18	
4-Chloroaniline		U	2.36	1.18	
Hexachlorobutadiene		U	2.36	1.18	
1,2,3-Trichlorobenzene		U	2.36	1.18	
4-Chloro-3-methylphenol		U	2.36	1.18	
2-Methylnaphthalene		U	2.36	1.18	
1-Methylnaphthalene		U	2.36	1.18	
Hexachlorocyclopentadiene		U	2.36	1.18	
2,4,6-Trichlorophenol		U	2.36	1.18	
2,4,5-Trichlorophenol		U	2.36	1.18	
Diphenylamine		U	2.36	1.18	
Azobenzene		U	2.36	1.18	
2-Chloronaphthalene		U	2.36	1.18	
2-Nitroaniline		U	2.36	1.18	
1,4-Dinitrobenzene		U	2.36	1.18	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: 1I-0-0.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-09		
File ID:	D071640.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.35
Date Cleanup:	NA	Percent Solid:	19.5%
Date Analyzed:	7/17/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
Dimethylphthalate		U	2.36	1.18	
1,3-Dinitrobenzene		U	2.36	1.18	
Acenaphthylene		U	2.36	1.18	
2,6-dinitrotoluene		U	2.36	1.18	
1,2-Dinitrobenzene		U	2.36	1.18	
3-Nitroaniline		U	2.36	1.18	
Acenaphthene		U	2.36	1.18	
2,4-Dinitrophenol		U	2.36	1.18	
4-Nitrophenol		U	2.36	1.18	
Dibenzofuran		U	2.36	1.18	
2,4-dinitrotoluene		U	2.36	1.18	
2,3,4,6-Tetrachlorophenol		U	2.36	1.18	
2,3,5,6-Tetrachlorophenol		U	2.36	1.18	
Diethylphthalate		U	2.36	1.18	
4-Chlorophenyl-phenylether		U	2.36	1.18	
Fluorene		U	2.36	1.18	
4-Nitroaniline		U	2.36	1.18	
4,6-Dinitro-2-methylphenol		U	2.36	1.18	
n-Nitrosodiphenylamine		U	2.36	1.18	
4-Bromophenyl phenyl ether		U	2.36	1.18	
Hexachlorobenzene		U	2.36	1.18	
Pentachlorophenol		U	2.36	1.18	
Phenanthrene		U	2.36	1.18	
Anthracene		U	2.36	1.18	
Carbazole		U	2.36	1.18	
Di-n-butylphthalate		U	2.36	1.18	
Bis(2-ethylhexyl) adipate		U	2.36	1.18	
Fluoranthene		U	2.36	1.18	
Pyrene		U	2.36	1.18	
Butylbenzylphthalate		U	2.36	1.18	
Benz[a]anthracene		U	2.36	1.18	
Chrysene		U	2.36	1.18	
bis(2-Ethylhexyl)phthalate		U	2.36	1.18	
Di-n-octylphthalate		U	2.36	1.18	
Benzo[b]fluoranthene		U	2.36	1.18	
Benzo[k]fluoranthene		U	2.36	1.18	
Benzo[a]pyrene		U	2.36	1.18	
Indeno[1,2,3-cd]pyrene		U	2.36	1.18	
Dibenz[a,h]anthracene		U	2.36	1.18	
Benzo[g,h,i]perylene		U	2.36	1.18	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: 1I-0-0.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-09		
File ID:	D071640.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.35
Date Cleanup:	NA	Percent Solid:	19.5%
Date Analyzed:	7/17/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
Extraction Surrogate Recoveries (%)		Limits		
Toluene-d8	52	50 - 120		
4-Bromofluorobenzene	62	50 - 120		
2-Fluorophenol	68	50 - 120		
Phenol-d5	88	50 - 120		
Nitrobenzene-d5	66	50 - 120		
2-Fluorobiphenyl	65	50 - 120		
2,4,6-Tribromophenol	74	50 - 120		
p-Terphenyl-d14	70	50 - 120		

NA - Not applicable.
B - Analyte detected in the Blank.
J - Estimated value; detected between the RL and DL.
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: DUP061510

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-10		
File ID:	D071644.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.60
Date Cleanup:	NA	Percent Solid:	19.5%
Date Analyzed:	7/18/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
VOC & SVOC COMPOUNDS:				
cis-1,2-Dichloroethene	U	2.23	1.11	
2,2-Dichloropropane	U	2.23	1.11	
Chloroform	U	2.23	1.11	
1,1,1-Trichloroethane	U	2.23	1.11	
1,2-Dichloroethane	U	2.23	1.11	
1,1-Dichloropropene	U	2.23	1.11	
Benzene	U	2.23	1.11	
Carbon Tetrachloride	U	2.23	1.11	
1,2-Dichloropropane	U	2.23	1.11	
Trichloroethene	U	2.23	1.11	
Dibromomethane	U	2.23	1.11	
Bromodichloromethane	U	2.23	1.11	
Pyridine	U	2.23	1.11	
cis-1,3-Dichloropropene	U	2.23	1.11	
N-nitrosodimethylamine	U	2.23	1.11	
Toluene	U	2.23	1.11	
trans-1,3-Dichloropropene	U	2.23	1.11	
1,1,2-Trichloroethane	U	2.23	1.11	
1,3-Dichloropropane	U	2.23	1.11	
Dibromochloromethane	U	2.23	1.11	
1,2-Dibromoethane	U	2.23	1.11	
Tetrachloroethene	U	2.23	1.11	
Chlorobenzene	U	2.23	1.11	
1,1,1,2-Tetrachloroethane	U	2.23	1.11	
Ethylbenzene	U	2.23	1.11	
m/p-Xylenes	U	2.23	1.11	
Bromoform	U	2.23	1.11	
Styrene	U	2.23	1.11	
o-Xylene	U	2.23	1.11	
1,1,2,2-Tetrachloroethane	U	2.23	1.11	
1,2,3-Trichloropropane	U	2.23	1.11	
Isopropylbenzene	U	2.23	1.11	
Bromobenzene	U	2.23	1.11	
2-Chlorotoluene	U	2.23	1.11	
n-Propylbenzene	U	2.23	1.11	
4-Chlorotoluene	U	2.23	1.11	
1,3,5-Trimethylbenzene	U	2.23	1.11	
tert-Butylbenzene	U	2.23	1.11	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: DUP061510

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-10		
File ID:	D071644.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.60
Date Cleanup:	NA	Percent Solid:	19.5%
Date Analyzed:	7/18/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
1,2,4-Trimethylbenzene		U	2.23	1.11	
sec-Butylbenzene		U	2.23	1.11	
Phenol		U	2.23	1.11	
bis(2-Chloroethyl)ether		U	2.23	1.11	
Aniline		U	2.23	1.11	
2-Chlorophenol		U	2.23	1.11	
1,3-Dichlorobenzene		U	2.23	1.11	
1,4-Dichlorobenzene		U	2.23	1.11	
p-Isopropyltoluene		U	2.23	1.11	
Benzyl Alcohol		U	2.23	1.11	
2-Methylphenol (m-cresol)		U	2.23	1.11	
1,2-Dichlorobenzene		U	2.23	1.11	
3,4-Methylphenol (o,p-cresol)		U	2.23	1.11	
bis(2-chloroisopropyl)ether		U	2.23	1.11	
n-Butylbenzene		U	2.23	1.11	
N-nitroso-di-n-propylamine		U	2.23	1.11	
Hexachloroethane		U	2.23	1.11	
1,2-Dibromo-3-Chloropropane		U	2.23	1.11	
Nitrobenzene		U	2.23	1.11	
Isophorone		U	2.23	1.11	
2-Nitrophenol		U	2.23	1.11	
2,4-Dimethylphenol		U	2.23	1.11	
bis(2-Chloroethoxy)methane		U	2.23	1.11	
1,2,4-Trichlorobenzene		U	2.23	1.11	
Naphthalene		U	2.23	1.11	
2,4-Dichlorophenol		U	2.23	1.11	
4-Chloroaniline		U	2.23	1.11	
Hexachlorobutadiene		U	2.23	1.11	
1,2,3-Trichlorobenzene		U	2.23	1.11	
4-Chloro-3-methylphenol		U	2.23	1.11	
2-Methylnaphthalene		U	2.23	1.11	
1-Methylnaphthalene		U	2.23	1.11	
Hexachlorocyclopentadiene		U	2.23	1.11	
2,4,6-Trichlorophenol		U	2.23	1.11	
2,4,5-Trichlorophenol		U	2.23	1.11	
Diphenylamine		U	2.23	1.11	
Azobenzene		U	2.23	1.11	
2-Chloronaphthalene		U	2.23	1.11	
2-Nitroaniline		U	2.23	1.11	
1,4-Dinitrobenzene		U	2.23	1.11	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: DUP061510

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-10		
File ID:	D071644.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.60
Date Cleanup:	NA	Percent Solid:	19.5%
Date Analyzed:	7/18/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
Dimethylphthalate	U	2.23	1.11	
1,3-Dinitrobenzene	U	2.23	1.11	
Acenaphthylene	U	2.23	1.11	
2,6-dinitrotoluene	U	2.23	1.11	
1,2-Dinitrobenzene	U	2.23	1.11	
3-Nitroaniline	U	2.23	1.11	
Acenaphthene	U	2.23	1.11	
2,4-Dinitrophenol	U	2.23	1.11	
4-Nitrophenol	U	2.23	1.11	
Dibenzofuran	U	2.23	1.11	
2,4-dinitrotoluene	U	2.23	1.11	
2,3,4,6-Tetrachlorophenol	U	2.23	1.11	
2,3,5,6-Tetrachlorophenol	U	2.23	1.11	
Diethylphthalate	U	2.23	1.11	
4-Chlorophenyl-phenylether	U	2.23	1.11	
Fluorene	U	2.23	1.11	
4-Nitroaniline	U	2.23	1.11	
4,6-Dinitro-2-methylphenol	U	2.23	1.11	
n-Nitrosodiphenylamine	U	2.23	1.11	
4-Bromophenyl phenyl ether	U	2.23	1.11	
Hexachlorobenzene	U	2.23	1.11	
Pentachlorophenol	U	2.23	1.11	
Phenanthrene	U	2.23	1.11	
Anthracene	U	2.23	1.11	
Carbazole	U	2.23	1.11	
Di-n-butylphthalate	U	2.23	1.11	
Bis(2-ethylhexyl) adipate	U	2.23	1.11	
Fluoranthene	U	2.23	1.11	
Pyrene	U	2.23	1.11	
Butylbenzylphthalate	U	2.23	1.11	
Benz[a]anthracene	U	2.23	1.11	
Chrysene	U	2.23	1.11	
bis(2-Ethylhexyl)phthalate	1.11 J	2.23	1.11	
Di-n-octylphthalate	U	2.23	1.11	
Benzo[b]fluoranthene	U	2.23	1.11	
Benzo[k]fluoranthene	U	2.23	1.11	
Benzo[a]pyrene	U	2.23	1.11	
Indeno[1,2,3-cd]pyrene	U	2.23	1.11	
Dibenz[a,h]anthracene	U	2.23	1.11	
Benzo[g,h,i]perylene	U	2.23	1.11	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: DUP061510

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-10		
File ID:	D071644.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.60
Date Cleanup:	NA	Percent Solid:	19.5%
Date Analyzed:	7/18/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
Extraction Surrogate Recoveries (%)		Limits		
Toluene-d8	55	50 - 120		
4-Bromofluorobenzene	73	50 - 120		
2-Fluorophenol	78	50 - 120		
Phenol-d5	104	50 - 120		
Nitrobenzene-d5	77	50 - 120		
2-Fluorobiphenyl	71	50 - 120		
2,4,6-Tribromophenol	89	50 - 120		
p-Terphenyl-d14	76	50 - 120		

NA - Not applicable.
B - Analyte detected in the Blank.
J - Estimated value; detected between the RL and DL.
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: 1I-1.0-1.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-11		
File ID:	D071645.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.31
Date Cleanup:	NA	Percent Solid:	51.4%
Date Analyzed:	7/18/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
VOC & SVOC COMPOUNDS:					
cis-1,2-Dichloroethene		U	0.903	0.451	
2,2-Dichloropropane		U	0.903	0.451	
Chloroform		U	0.903	0.451	
1,1,1-Trichloroethane		U	0.903	0.451	
1,2-Dichloroethane		U	0.903	0.451	
1,1-Dichloropropene		U	0.903	0.451	
Benzene		U	0.903	0.451	
Carbon Tetrachloride		U	0.903	0.451	
1,2-Dichloropropane		U	0.903	0.451	
Trichloroethene		U	0.903	0.451	
Dibromomethane		U	0.903	0.451	
Bromodichloromethane		U	0.903	0.451	
Pyridine		U	0.903	0.451	
cis-1,3-Dichloropropene		U	0.903	0.451	
N-nitrosodimethylamine		U	0.903	0.451	
Toluene		U	0.903	0.451	
trans-1,3-Dichloropropene		U	0.903	0.451	
1,1,2-Trichloroethane		U	0.903	0.451	
1,3-Dichloropropane		U	0.903	0.451	
Dibromochloromethane		U	0.903	0.451	
1,2-Dibromoethane		U	0.903	0.451	
Tetrachloroethene		U	0.903	0.451	
Chlorobenzene		U	0.903	0.451	
1,1,1,2-Tetrachloroethane		U	0.903	0.451	
Ethylbenzene		U	0.903	0.451	
m/p-Xylenes		U	0.903	0.451	
Bromoform		U	0.903	0.451	
Styrene		U	0.903	0.451	
o-Xylene		U	0.903	0.451	
1,1,2,2-Tetrachloroethane		U	0.903	0.451	
1,2,3-Trichloropropane		U	0.903	0.451	
Isopropylbenzene		U	0.903	0.451	
Bromobenzene		U	0.903	0.451	
2-Chlorotoluene		U	0.903	0.451	
n-Propylbenzene		U	0.903	0.451	
4-Chlorotoluene		U	0.903	0.451	
1,3,5-Trimethylbenzene		U	0.903	0.451	
tert-Butylbenzene		U	0.903	0.451	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: 1I-1.0-1.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-11		
File ID:	D071645.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.31
Date Cleanup:	NA	Percent Solid:	51.4%
Date Analyzed:	7/18/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
1,2,4-Trimethylbenzene		U	0.903	0.451	
sec-Butylbenzene		U	0.903	0.451	
Phenol		U	0.903	0.451	
bis(2-Chloroethyl)ether		U	0.903	0.451	
Aniline		U	0.903	0.451	
2-Chlorophenol		U	0.903	0.451	
1,3-Dichlorobenzene		U	0.903	0.451	
1,4-Dichlorobenzene		U	0.903	0.451	
p-Isopropyltoluene		U	0.903	0.451	
Benzyl Alcohol		U	0.903	0.451	
2-Methylphenol (m-cresol)		U	0.903	0.451	
1,2-Dichlorobenzene		U	0.903	0.451	
3,4-Methylphenol (o,p-cresol)		U	0.903	0.451	
bis(2-chloroisopropyl)ether		U	0.903	0.451	
n-Butylbenzene		U	0.903	0.451	
N-nitroso-di-n-propylamine		U	0.903	0.451	
Hexachloroethane		U	0.903	0.451	
1,2-Dibromo-3-Chloropropane		U	0.903	0.451	
Nitrobenzene		U	0.903	0.451	
Isophorone		U	0.903	0.451	
2-Nitrophenol		U	0.903	0.451	
2,4-Dimethylphenol		U	0.903	0.451	
bis(2-Chloroethoxy)methane		U	0.903	0.451	
1,2,4-Trichlorobenzene		U	0.903	0.451	
Naphthalene		U	0.903	0.451	
2,4-Dichlorophenol		U	0.903	0.451	
4-Chloroaniline		U	0.903	0.451	
Hexachlorobutadiene		U	0.903	0.451	
1,2,3-Trichlorobenzene		U	0.903	0.451	
4-Chloro-3-methylphenol		U	0.903	0.451	
2-Methylnaphthalene		U	0.903	0.451	
1-Methylnaphthalene		U	0.903	0.451	
Hexachlorocyclopentadiene		U	0.903	0.451	
2,4,6-Trichlorophenol		U	0.903	0.451	
2,4,5-Trichlorophenol		U	0.903	0.451	
Diphenylamine		U	0.903	0.451	
Azobenzene		U	0.903	0.451	
2-Chloronaphthalene		U	0.903	0.451	
2-Nitroaniline		U	0.903	0.451	
1,4-Dinitrobenzene		U	0.903	0.451	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: 1I-1.0-1.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-11		
File ID:	D071645.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.31
Date Cleanup:	NA	Percent Solid:	51.4%
Date Analyzed:	7/18/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
Dimethylphthalate	U	0.903	0.451	
1,3-Dinitrobenzene	U	0.903	0.451	
Acenaphthylene	U	0.903	0.451	
2,6-dinitrotoluene	U	0.903	0.451	
1,2-Dinitrobenzene	U	0.903	0.451	
3-Nitroaniline	U	0.903	0.451	
Acenaphthene	U	0.903	0.451	
2,4-Dinitrophenol	U	0.903	0.451	
4-Nitrophenol	U	0.903	0.451	
Dibenzofuran	U	0.903	0.451	
2,4-dinitrotoluene	U	0.903	0.451	
2,3,4,6-Tetrachlorophenol	U	0.903	0.451	
2,3,5,6-Tetrachlorophenol	U	0.903	0.451	
Diethylphthalate	U	0.903	0.451	
4-Chlorophenyl-phenylether	U	0.903	0.451	
Fluorene	U	0.903	0.451	
4-Nitroaniline	U	0.903	0.451	
4,6-Dinitro-2-methylphenol	U	0.903	0.451	
n-Nitrosodiphenylamine	U	0.903	0.451	
4-Bromophenyl phenyl ether	U	0.903	0.451	
Hexachlorobenzene	U	0.903	0.451	
Pentachlorophenol	U	0.903	0.451	
Phenanthrene	U	0.903	0.451	
Anthracene	U	0.903	0.451	
Carbazole	U	0.903	0.451	
Di-n-butylphthalate	0.850 J	0.903	0.451	
Bis(2-ethylhexyl) adipate	U	0.903	0.451	
Fluoranthene	0.632 J	0.903	0.451	
Pyrene	0.660 J	0.903	0.451	
Butylbenzylphthalate	U	0.903	0.451	
Benz[a]anthracene	U	0.903	0.451	
Chrysene	0.460 J	0.903	0.451	
bis(2-Ethylhexyl)phthalate	6.74	0.903	0.451	
Di-n-octylphthalate	U	0.903	0.451	
Benzo[b]fluoranthene	U	0.903	0.451	
Benzo[k]fluoranthene	U	0.903	0.451	
Benzo[a]pyrene	U	0.903	0.451	
Indeno[1,2,3-cd]pyrene	U	0.903	0.451	
Dibenz[a,h]anthracene	U	0.903	0.451	
Benzo[g,h,i]perylene	U	0.903	0.451	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: 1I-1.0-1.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-11		
File ID:	D071645.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.31
Date Cleanup:	NA	Percent Solid:	51.4%
Date Analyzed:	7/18/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
Extraction Surrogate Recoveries (%)		Limits		
Toluene-d8	62	50 - 120		
4-Bromofluorobenzene	72	50 - 120		
2-Fluorophenol	73	50 - 120		
Phenol-d5	93	50 - 120		
Nitrobenzene-d5	74	50 - 120		
2-Fluorobiphenyl	69	50 - 120		
2,4,6-Tribromophenol	85	50 - 120		
p-Terphenyl-d14	75	50 - 120		

NA - Not applicable.
B - Analyte detected in the Blank.
J - Estimated value; detected between the RL and DL.
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: HD5-0-0.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-12		
File ID:	D071662.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.78
Date Cleanup:	NA	Percent Solid:	81.2%
Date Analyzed:	7/18/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
VOC & SVOC COMPOUNDS:				
cis-1,2-Dichloroethene	U	0.515	0.258	
2,2-Dichloropropane	U	0.515	0.258	
Chloroform	U	0.515	0.258	
1,1,1-Trichloroethane	U	0.515	0.258	
1,2-Dichloroethane	U	0.515	0.258	
1,1-Dichloropropene	U	0.515	0.258	
Benzene	U	0.515	0.258	
Carbon Tetrachloride	U	0.515	0.258	
1,2-Dichloropropane	U	0.515	0.258	
Trichloroethene	U	0.515	0.258	
Dibromomethane	U	0.515	0.258	
Bromodichloromethane	U	0.515	0.258	
Pyridine	U	0.515	0.258	
cis-1,3-Dichloropropene	U	0.515	0.258	
N-nitrosodimethylamine	U	0.515	0.258	
Toluene	U	0.515	0.258	
trans-1,3-Dichloropropene	U	0.515	0.258	
1,1,2-Trichloroethane	U	0.515	0.258	
1,3-Dichloropropane	U	0.515	0.258	
Dibromochloromethane	U	0.515	0.258	
1,2-Dibromoethane	U	0.515	0.258	
Tetrachloroethene	U	0.515	0.258	
Chlorobenzene	U	0.515	0.258	
1,1,1,2-Tetrachloroethane	U	0.515	0.258	
Ethylbenzene	U	0.515	0.258	
m/p-Xylenes	U	0.515	0.258	
Bromoform	U	0.515	0.258	
Styrene	U	0.515	0.258	
o-Xylene	U	0.515	0.258	
1,1,2,2-Tetrachloroethane	U	0.515	0.258	
1,2,3-Trichloropropane	U	0.515	0.258	
Isopropylbenzene	U	0.515	0.258	
Bromobenzene	U	0.515	0.258	
2-Chlorotoluene	U	0.515	0.258	
n-Propylbenzene	U	0.515	0.258	
4-Chlorotoluene	U	0.515	0.258	
1,3,5-Trimethylbenzene	U	0.515	0.258	
tert-Butylbenzene	U	0.515	0.258	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: HD5-0-0.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-12		
File ID:	D071662.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.78
Date Cleanup:	NA	Percent Solid:	81.2%
Date Analyzed:	7/18/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
1,2,4-Trimethylbenzene		U	0.515	0.258	
sec-Butylbenzene		U	0.515	0.258	
Phenol		U	0.515	0.258	
bis(2-Chloroethyl)ether		U	0.515	0.258	
Aniline		U	0.515	0.258	
2-Chlorophenol		U	0.515	0.258	
1,3-Dichlorobenzene		U	0.515	0.258	
1,4-Dichlorobenzene		U	0.515	0.258	
p-Isopropyltoluene		U	0.515	0.258	
Benzyl Alcohol		U	0.515	0.258	
2-Methylphenol (m-cresol)		U	0.515	0.258	
1,2-Dichlorobenzene		U	0.515	0.258	
3,4-Methylphenol (o,p-cresol)		U	0.515	0.258	
bis(2-chloroisopropyl)ether		U	0.515	0.258	
n-Butylbenzene		U	0.515	0.258	
N-nitroso-di-n-propylamine		U	0.515	0.258	
Hexachloroethane		U	0.515	0.258	
1,2-Dibromo-3-Chloropropane		U	0.515	0.258	
Nitrobenzene		U	0.515	0.258	
Isophorone		U	0.515	0.258	
2-Nitrophenol		U	0.515	0.258	
2,4-Dimethylphenol		U	0.515	0.258	
bis(2-Chloroethoxy)methane		U	0.515	0.258	
1,2,4-Trichlorobenzene		U	0.515	0.258	
Naphthalene		U	0.515	0.258	
2,4-Dichlorophenol		U	0.515	0.258	
4-Chloroaniline		U	0.515	0.258	
Hexachlorobutadiene		U	0.515	0.258	
1,2,3-Trichlorobenzene		U	0.515	0.258	
4-Chloro-3-methylphenol		U	0.515	0.258	
2-Methylnaphthalene		U	0.515	0.258	
1-Methylnaphthalene		U	0.515	0.258	
Hexachlorocyclopentadiene		U	0.515	0.258	
2,4,6-Trichlorophenol		U	0.515	0.258	
2,4,5-Trichlorophenol		U	0.515	0.258	
Diphenylamine		U	0.515	0.258	
Azobenzene		U	0.515	0.258	
2-Chloronaphthalene		U	0.515	0.258	
2-Nitroaniline		U	0.515	0.258	
1,4-Dinitrobenzene		U	0.515	0.258	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: HD5-0-0.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-12		
File ID:	D071662.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.78
Date Cleanup:	NA	Percent Solid:	81.2%
Date Analyzed:	7/18/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
Dimethylphthalate		U	0.515	0.258	
1,3-Dinitrobenzene		U	0.515	0.258	
Acenaphthylene		U	0.515	0.258	
2,6-dinitrotoluene		U	0.515	0.258	
1,2-Dinitrobenzene		U	0.515	0.258	
3-Nitroaniline		U	0.515	0.258	
Acenaphthene		U	0.515	0.258	
2,4-Dinitrophenol		U	0.515	0.258	
4-Nitrophenol		U	0.515	0.258	
Dibenzofuran		U	0.515	0.258	
2,4-dinitrotoluene		U	0.515	0.258	
2,3,4,6-Tetrachlorophenol		U	0.515	0.258	
2,3,5,6-Tetrachlorophenol		U	0.515	0.258	
Diethylphthalate		U	0.515	0.258	
4-Chlorophenyl-phenylether		U	0.515	0.258	
Fluorene		U	0.515	0.258	
4-Nitroaniline		U	0.515	0.258	
4,6-Dinitro-2-methylphenol		U	0.515	0.258	
n-Nitrosodiphenylamine		U	0.515	0.258	
4-Bromophenyl phenyl ether		U	0.515	0.258	
Hexachlorobenzene		U	0.515	0.258	
Pentachlorophenol		U	0.515	0.258	
Phenanthrene		U	0.515	0.258	
Anthracene		U	0.515	0.258	
Carbazole		U	0.515	0.258	
Di-n-butylphthalate		U	0.515	0.258	
Bis(2-ethylhexyl) adipate		U	0.515	0.258	
Fluoranthene		U	0.515	0.258	
Pyrene		U	0.515	0.258	
Butylbenzylphthalate		U	0.515	0.258	
Benz[a]anthracene		U	0.515	0.258	
Chrysene		U	0.515	0.258	
bis(2-Ethylhexyl)phthalate	16.2		0.515	0.258	
Di-n-octylphthalate	0.975		0.515	0.258	
Benzo[b]fluoranthene		U	0.515	0.258	
Benzo[k]fluoranthene		U	0.515	0.258	
Benzo[a]pyrene		U	0.515	0.258	
Indeno[1,2,3-cd]pyrene		U	0.515	0.258	
Dibenz[a,h]anthracene		U	0.515	0.258	
Benzo[g,h,i]perylene		U	0.515	0.258	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: HD5-0-0.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-12		
File ID:	D071662.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.78
Date Cleanup:	NA	Percent Solid:	81.2%
Date Analyzed:	7/18/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
Extraction Surrogate Recoveries (%)		Limits		
Toluene-d8	62	50 - 120		
4-Bromofluorobenzene	76	50 - 120		
2-Fluorophenol	76	50 - 120		
Phenol-d5	99	50 - 120		
Nitrobenzene-d5	77	50 - 120		
2-Fluorobiphenyl	71	50 - 120		
2,4,6-Tribromophenol	90	50 - 120		
p-Terphenyl-d14	74	50 - 120		

NA - Not applicable.
B - Analyte detected in the Blank.
J - Estimated value; detected between the RL and DL.
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: HD5-2-2.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-13		
File ID:	D071663.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.63
Date Cleanup:	NA	Percent Solid:	82.2%
Date Analyzed:	7/18/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
VOC & SVOC COMPOUNDS:					
cis-1,2-Dichloroethene		U	0.526	0.263	
2,2-Dichloropropane		U	0.526	0.263	
Chloroform		U	0.526	0.263	
1,1,1-Trichloroethane		U	0.526	0.263	
1,2-Dichloroethane		U	0.526	0.263	
1,1-Dichloropropene		U	0.526	0.263	
Benzene		U	0.526	0.263	
Carbon Tetrachloride		U	0.526	0.263	
1,2-Dichloropropane		U	0.526	0.263	
Trichloroethene		U	0.526	0.263	
Dibromomethane		U	0.526	0.263	
Bromodichloromethane		U	0.526	0.263	
Pyridine		U	0.526	0.263	
cis-1,3-Dichloropropene		U	0.526	0.263	
N-nitrosodimethylamine		U	0.526	0.263	
Toluene		U	0.526	0.263	
trans-1,3-Dichloropropene		U	0.526	0.263	
1,1,2-Trichloroethane		U	0.526	0.263	
1,3-Dichloropropane		U	0.526	0.263	
Dibromochloromethane		U	0.526	0.263	
1,2-Dibromoethane		U	0.526	0.263	
Tetrachloroethene		U	0.526	0.263	
Chlorobenzene	0.573		0.526	0.263	
1,1,1,2-Tetrachloroethane		U	0.526	0.263	
Ethylbenzene		U	0.526	0.263	
m/p-Xylenes		U	0.526	0.263	
Bromoform		U	0.526	0.263	
Styrene		U	0.526	0.263	
o-Xylene		U	0.526	0.263	
1,1,2,2-Tetrachloroethane		U	0.526	0.263	
1,2,3-Trichloropropane		U	0.526	0.263	
Isopropylbenzene		U	0.526	0.263	
Bromobenzene		U	0.526	0.263	
2-Chlorotoluene		U	0.526	0.263	
n-Propylbenzene		U	0.526	0.263	
4-Chlorotoluene		U	0.526	0.263	
1,3,5-Trimethylbenzene		U	0.526	0.263	
tert-Butylbenzene		U	0.526	0.263	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: HD5-2-2.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-13		
File ID:	D071663.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.63
Date Cleanup:	NA	Percent Solid:	82.2%
Date Analyzed:	7/18/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
1,2,4-Trimethylbenzene	U	0.526	0.263	
sec-Butylbenzene	U	0.526	0.263	
Phenol	U	0.526	0.263	
bis(2-Chloroethyl)ether	U	0.526	0.263	
Aniline	U	0.526	0.263	
2-Chlorophenol	U	0.526	0.263	
1,3-Dichlorobenzene	U	0.526	0.263	
1,4-Dichlorobenzene	U	0.526	0.263	
p-Isopropyltoluene	U	0.526	0.263	
Benzyl Alcohol	U	0.526	0.263	
2-Methylphenol (m-cresol)	U	0.526	0.263	
1,2-Dichlorobenzene	U	0.526	0.263	
3,4-Methylphenol (o,p-cresol)	U	0.526	0.263	
bis(2-chloroisopropyl)ether	U	0.526	0.263	
n-Butylbenzene	U	0.526	0.263	
N-nitroso-di-n-propylamine	U	0.526	0.263	
Hexachloroethane	U	0.526	0.263	
1,2-Dibromo-3-Chloropropane	U	0.526	0.263	
Nitrobenzene	U	0.526	0.263	
Isophorone	U	0.526	0.263	
2-Nitrophenol	U	0.526	0.263	
2,4-Dimethylphenol	U	0.526	0.263	
bis(2-Chloroethoxy)methane	U	0.526	0.263	
1,2,4-Trichlorobenzene	U	0.526	0.263	
Naphthalene	U	0.526	0.263	
2,4-Dichlorophenol	U	0.526	0.263	
4-Chloroaniline	U	0.526	0.263	
Hexachlorobutadiene	U	0.526	0.263	
1,2,3-Trichlorobenzene	U	0.526	0.263	
4-Chloro-3-methylphenol	U	0.526	0.263	
2-Methylnaphthalene	U	0.526	0.263	
1-Methylnaphthalene	U	0.526	0.263	
Hexachlorocyclopentadiene	U	0.526	0.263	
2,4,6-Trichlorophenol	U	0.526	0.263	
2,4,5-Trichlorophenol	U	0.526	0.263	
Diphenylamine	U	0.526	0.263	
Azobenzene	U	0.526	0.263	
2-Chloronaphthalene	U	0.526	0.263	
2-Nitroaniline	U	0.526	0.263	
1,4-Dinitrobenzene	U	0.526	0.263	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: HD5-2-2.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-13		
File ID:	D071663.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.63
Date Cleanup:	NA	Percent Solid:	82.2%
Date Analyzed:	7/18/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
Dimethylphthalate		U	0.526	0.263	
1,3-Dinitrobenzene		U	0.526	0.263	
Acenaphthylene		U	0.526	0.263	
2,6-dinitrotoluene		U	0.526	0.263	
1,2-Dinitrobenzene		U	0.526	0.263	
3-Nitroaniline		U	0.526	0.263	
Acenaphthene		U	0.526	0.263	
2,4-Dinitrophenol		U	0.526	0.263	
4-Nitrophenol		U	0.526	0.263	
Dibenzofuran		U	0.526	0.263	
2,4-dinitrotoluene		U	0.526	0.263	
2,3,4,6-Tetrachlorophenol		U	0.526	0.263	
2,3,5,6-Tetrachlorophenol		U	0.526	0.263	
Diethylphthalate		U	0.526	0.263	
4-Chlorophenyl-phenylether		U	0.526	0.263	
Fluorene		U	0.526	0.263	
4-Nitroaniline		U	0.526	0.263	
4,6-Dinitro-2-methylphenol		U	0.526	0.263	
n-Nitrosodiphenylamine		U	0.526	0.263	
4-Bromophenyl phenyl ether		U	0.526	0.263	
Hexachlorobenzene		U	0.526	0.263	
Pentachlorophenol		U	0.526	0.263	
Phenanthrene		U	0.526	0.263	
Anthracene		U	0.526	0.263	
Carbazole		U	0.526	0.263	
Di-n-butylphthalate		U	0.526	0.263	
Bis(2-ethylhexyl) adipate		U	0.526	0.263	
Fluoranthene		U	0.526	0.263	
Pyrene		U	0.526	0.263	
Butylbenzylphthalate		U	0.526	0.263	
Benz[a]anthracene		U	0.526	0.263	
Chrysene		U	0.526	0.263	
bis(2-Ethylhexyl)phthalate	77.1	D	0.526	0.263	
Di-n-octylphthalate	3.95		0.526	0.263	
Benzo[b]fluoranthene		U	0.526	0.263	
Benzo[k]fluoranthene		U	0.526	0.263	
Benzo[a]pyrene		U	0.526	0.263	
Indeno[1,2,3-cd]pyrene		U	0.526	0.263	
Dibenz[a,h]anthracene		U	0.526	0.263	
Benzo[g,h,i]perylene		U	0.526	0.263	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: HD5-2-2.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-13		
File ID:	D071663.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.63
Date Cleanup:	NA	Percent Solid:	82.2%
Date Analyzed:	7/18/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
Extraction Surrogate Recoveries (%)		Limits		
Toluene-d8	66	50 - 120		
4-Bromofluorobenzene	80	50 - 120		
2-Fluorophenol	79	50 - 120		
Phenol-d5	104	50 - 120		
Nitrobenzene-d5	81	50 - 120		
2-Fluorobiphenyl	73	50 - 120		
2,4,6-Tribromophenol	88	50 - 120		
p-Terphenyl-d14	78	50 - 120		

NA - Not applicable.
B - Analyte detected in the Blank.
J - Estimated value; detected between the RL and DL.
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: HD6-0-0.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-14		
File ID:	D071659.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.62
Date Cleanup:	NA	Percent Solid:	81.6%
Date Analyzed:	7/18/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
VOC & SVOC COMPOUNDS:					
cis-1,2-Dichloroethene		U	0.530	0.265	
2,2-Dichloropropane		U	0.530	0.265	
Chloroform		U	0.530	0.265	
1,1,1-Trichloroethane		U	0.530	0.265	
1,2-Dichloroethane		U	0.530	0.265	
1,1-Dichloropropene		U	0.530	0.265	
Benzene		U	0.530	0.265	
Carbon Tetrachloride		U	0.530	0.265	
1,2-Dichloropropane		U	0.530	0.265	
Trichloroethene		U	0.530	0.265	
Dibromomethane		U	0.530	0.265	
Bromodichloromethane		U	0.530	0.265	
Pyridine		U	0.530	0.265	
cis-1,3-Dichloropropene		U	0.530	0.265	
N-nitrosodimethylamine		U	0.530	0.265	
Toluene		U	0.530	0.265	
trans-1,3-Dichloropropene		U	0.530	0.265	
1,1,2-Trichloroethane		U	0.530	0.265	
1,3-Dichloropropane		U	0.530	0.265	
Dibromochloromethane		U	0.530	0.265	
1,2-Dibromoethane		U	0.530	0.265	
Tetrachloroethene		U	0.530	0.265	
Chlorobenzene		U	0.530	0.265	
1,1,1,2-Tetrachloroethane		U	0.530	0.265	
Ethylbenzene		U	0.530	0.265	
m/p-Xylenes		U	0.530	0.265	
Bromoform		U	0.530	0.265	
Styrene		U	0.530	0.265	
o-Xylene		U	0.530	0.265	
1,1,2,2-Tetrachloroethane		U	0.530	0.265	
1,2,3-Trichloropropane		U	0.530	0.265	
Isopropylbenzene		U	0.530	0.265	
Bromobenzene		U	0.530	0.265	
2-Chlorotoluene		U	0.530	0.265	
n-Propylbenzene		U	0.530	0.265	
4-Chlorotoluene		U	0.530	0.265	
1,3,5-Trimethylbenzene		U	0.530	0.265	
tert-Butylbenzene		U	0.530	0.265	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: HD6-0-0.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-14		
File ID:	D071659.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.62
Date Cleanup:	NA	Percent Solid:	81.6%
Date Analyzed:	7/18/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
1,2,4-Trimethylbenzene		U	0.530	0.265	
sec-Butylbenzene		U	0.530	0.265	
Phenol		U	0.530	0.265	
bis(2-Chloroethyl)ether		U	0.530	0.265	
Aniline		U	0.530	0.265	
2-Chlorophenol		U	0.530	0.265	
1,3-Dichlorobenzene		U	0.530	0.265	
1,4-Dichlorobenzene		U	0.530	0.265	
p-Isopropyltoluene		U	0.530	0.265	
Benzyl Alcohol		U	0.530	0.265	
2-Methylphenol (m-cresol)		U	0.530	0.265	
1,2-Dichlorobenzene		U	0.530	0.265	
3,4-Methylphenol (o,p-cresol)		U	0.530	0.265	
bis(2-chloroisopropyl)ether		U	0.530	0.265	
n-Butylbenzene		U	0.530	0.265	
N-nitroso-di-n-propylamine		U	0.530	0.265	
Hexachloroethane		U	0.530	0.265	
1,2-Dibromo-3-Chloropropane		U	0.530	0.265	
Nitrobenzene		U	0.530	0.265	
Isophorone		U	0.530	0.265	
2-Nitrophenol		U	0.530	0.265	
2,4-Dimethylphenol		U	0.530	0.265	
bis(2-Chloroethoxy)methane		U	0.530	0.265	
1,2,4-Trichlorobenzene		U	0.530	0.265	
Naphthalene		U	0.530	0.265	
2,4-Dichlorophenol		U	0.530	0.265	
4-Chloroaniline		U	0.530	0.265	
Hexachlorobutadiene		U	0.530	0.265	
1,2,3-Trichlorobenzene		U	0.530	0.265	
4-Chloro-3-methylphenol		U	0.530	0.265	
2-Methylnaphthalene		U	0.530	0.265	
1-Methylnaphthalene		U	0.530	0.265	
Hexachlorocyclopentadiene		U	0.530	0.265	
2,4,6-Trichlorophenol		U	0.530	0.265	
2,4,5-Trichlorophenol		U	0.530	0.265	
Diphenylamine		U	0.530	0.265	
Azobenzene		U	0.530	0.265	
2-Chloronaphthalene		U	0.530	0.265	
2-Nitroaniline		U	0.530	0.265	
1,4-Dinitrobenzene		U	0.530	0.265	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: HD6-0-0.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-14		
File ID:	D071659.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.62
Date Cleanup:	NA	Percent Solid:	81.6%
Date Analyzed:	7/18/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
Dimethylphthalate		U	0.530	0.265	
1,3-Dinitrobenzene		U	0.530	0.265	
Acenaphthylene		U	0.530	0.265	
2,6-dinitrotoluene		U	0.530	0.265	
1,2-Dinitrobenzene		U	0.530	0.265	
3-Nitroaniline		U	0.530	0.265	
Acenaphthene		U	0.530	0.265	
2,4-Dinitrophenol		U	0.530	0.265	
4-Nitrophenol		U	0.530	0.265	
Dibenzofuran		U	0.530	0.265	
2,4-dinitrotoluene		U	0.530	0.265	
2,3,4,6-Tetrachlorophenol		U	0.530	0.265	
2,3,5,6-Tetrachlorophenol		U	0.530	0.265	
Diethylphthalate		U	0.530	0.265	
4-Chlorophenyl-phenylether		U	0.530	0.265	
Fluorene		U	0.530	0.265	
4-Nitroaniline		U	0.530	0.265	
4,6-Dinitro-2-methylphenol		U	0.530	0.265	
n-Nitrosodiphenylamine		U	0.530	0.265	
4-Bromophenyl phenyl ether		U	0.530	0.265	
Hexachlorobenzene		U	0.530	0.265	
Pentachlorophenol		U	0.530	0.265	
Phenanthrene		U	0.530	0.265	
Anthracene		U	0.530	0.265	
Carbazole		U	0.530	0.265	
Di-n-butylphthalate		U	0.530	0.265	
Bis(2-ethylhexyl) adipate		U	0.530	0.265	
Fluoranthene	0.328	J	0.530	0.265	
Pyrene		U	0.530	0.265	
Butylbenzylphthalate		U	0.530	0.265	
Benz[a]anthracene		U	0.530	0.265	
Chrysene		U	0.530	0.265	
bis(2-Ethylhexyl)phthalate	62.1	D	0.530	0.265	
Di-n-octylphthalate	1.94		0.530	0.265	
Benzo[b]fluoranthene		U	0.530	0.265	
Benzo[k]fluoranthene		U	0.530	0.265	
Benzo[a]pyrene		U	0.530	0.265	
Indeno[1,2,3-cd]pyrene		U	0.530	0.265	
Dibenz[a,h]anthracene		U	0.530	0.265	
Benzo[g,h,i]perylene		U	0.530	0.265	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: HD6-0-0.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-14		
File ID:	D071659.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.62
Date Cleanup:	NA	Percent Solid:	81.6%
Date Analyzed:	7/18/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
Extraction Surrogate Recoveries (%)		Limits		
Toluene-d8	58	50 - 120		
4-Bromofluorobenzene	73	50 - 120		
2-Fluorophenol	73	50 - 120		
Phenol-d5	96	50 - 120		
Nitrobenzene-d5	76	50 - 120		
2-Fluorobiphenyl	69	50 - 120		
2,4,6-Tribromophenol	86	50 - 120		
p-Terphenyl-d14	74	50 - 120		

NA - Not applicable.
B - Analyte detected in the Blank.
J - Estimated value; detected between the RL and DL.
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: HD6-2-2.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-15		
File ID:	D071646.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.47
Date Cleanup:	NA	Percent Solid:	71.6%
Date Analyzed:	7/18/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
VOC & SVOC COMPOUNDS:					
cis-1,2-Dichloroethene		U	0.625	0.313	
2,2-Dichloropropane		U	0.625	0.313	
Chloroform		U	0.625	0.313	
1,1,1-Trichloroethane		U	0.625	0.313	
1,2-Dichloroethane		U	0.625	0.313	
1,1-Dichloropropene		U	0.625	0.313	
Benzene		U	0.625	0.313	
Carbon Tetrachloride		U	0.625	0.313	
1,2-Dichloropropane		U	0.625	0.313	
Trichloroethene		U	0.625	0.313	
Dibromomethane		U	0.625	0.313	
Bromodichloromethane		U	0.625	0.313	
Pyridine		U	0.625	0.313	
cis-1,3-Dichloropropene		U	0.625	0.313	
N-nitrosodimethylamine		U	0.625	0.313	
Toluene		U	0.625	0.313	
trans-1,3-Dichloropropene		U	0.625	0.313	
1,1,2-Trichloroethane		U	0.625	0.313	
1,3-Dichloropropane		U	0.625	0.313	
Dibromochloromethane		U	0.625	0.313	
1,2-Dibromoethane		U	0.625	0.313	
Tetrachloroethene		U	0.625	0.313	
Chlorobenzene	1.72		0.625	0.313	
1,1,1,2-Tetrachloroethane		U	0.625	0.313	
Ethylbenzene		U	0.625	0.313	
m/p-Xylenes		U	0.625	0.313	
Bromoform		U	0.625	0.313	
Styrene		U	0.625	0.313	
o-Xylene		U	0.625	0.313	
1,1,2,2-Tetrachloroethane		U	0.625	0.313	
1,2,3-Trichloropropane		U	0.625	0.313	
Isopropylbenzene		U	0.625	0.313	
Bromobenzene		U	0.625	0.313	
2-Chlorotoluene		U	0.625	0.313	
n-Propylbenzene		U	0.625	0.313	
4-Chlorotoluene		U	0.625	0.313	
1,3,5-Trimethylbenzene		U	0.625	0.313	
tert-Butylbenzene		U	0.625	0.313	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: HD6-2-2.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-15		
File ID:	D071646.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.47
Date Cleanup:	NA	Percent Solid:	71.6%
Date Analyzed:	7/18/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
1,2,4-Trimethylbenzene		U	0.625	0.313	
sec-Butylbenzene		U	0.625	0.313	
Phenol		U	0.625	0.313	
bis(2-Chloroethyl)ether		U	0.625	0.313	
Aniline		U	0.625	0.313	
2-Chlorophenol		U	0.625	0.313	
1,3-Dichlorobenzene		U	0.625	0.313	
1,4-Dichlorobenzene		U	0.625	0.313	
p-Isopropyltoluene		U	0.625	0.313	
Benzyl Alcohol		U	0.625	0.313	
2-Methylphenol (m-cresol)		U	0.625	0.313	
1,2-Dichlorobenzene		U	0.625	0.313	
3,4-Methylphenol (o,p-cresol)		U	0.625	0.313	
bis(2-chloroisopropyl)ether		U	0.625	0.313	
n-Butylbenzene		U	0.625	0.313	
N-nitroso-di-n-propylamine		U	0.625	0.313	
Hexachloroethane		U	0.625	0.313	
1,2-Dibromo-3-Chloropropane		U	0.625	0.313	
Nitrobenzene		U	0.625	0.313	
Isophorone		U	0.625	0.313	
2-Nitrophenol		U	0.625	0.313	
2,4-Dimethylphenol		U	0.625	0.313	
bis(2-Chloroethoxy)methane		U	0.625	0.313	
1,2,4-Trichlorobenzene		U	0.625	0.313	
Naphthalene		U	0.625	0.313	
2,4-Dichlorophenol		U	0.625	0.313	
4-Chloroaniline		U	0.625	0.313	
Hexachlorobutadiene		U	0.625	0.313	
1,2,3-Trichlorobenzene		U	0.625	0.313	
4-Chloro-3-methylphenol		U	0.625	0.313	
2-Methylnaphthalene		U	0.625	0.313	
1-Methylnaphthalene		U	0.625	0.313	
Hexachlorocyclopentadiene		U	0.625	0.313	
2,4,6-Trichlorophenol		U	0.625	0.313	
2,4,5-Trichlorophenol		U	0.625	0.313	
Diphenylamine		U	0.625	0.313	
Azobenzene		U	0.625	0.313	
2-Chloronaphthalene		U	0.625	0.313	
2-Nitroaniline		U	0.625	0.313	
1,4-Dinitrobenzene		U	0.625	0.313	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: HD6-2-2.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-15		
File ID:	D071646.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.47
Date Cleanup:	NA	Percent Solid:	71.6%
Date Analyzed:	7/18/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
Dimethylphthalate		U	0.625	0.313	
1,3-Dinitrobenzene		U	0.625	0.313	
Acenaphthylene		U	0.625	0.313	
2,6-dinitrotoluene		U	0.625	0.313	
1,2-Dinitrobenzene		U	0.625	0.313	
3-Nitroaniline		U	0.625	0.313	
Acenaphthene		U	0.625	0.313	
2,4-Dinitrophenol		U	0.625	0.313	
4-Nitrophenol		U	0.625	0.313	
Dibenzofuran		U	0.625	0.313	
2,4-dinitrotoluene		U	0.625	0.313	
2,3,4,6-Tetrachlorophenol		U	0.625	0.313	
2,3,5,6-Tetrachlorophenol		U	0.625	0.313	
Diethylphthalate		U	0.625	0.313	
4-Chlorophenyl-phenylether		U	0.625	0.313	
Fluorene		U	0.625	0.313	
4-Nitroaniline		U	0.625	0.313	
4,6-Dinitro-2-methylphenol		U	0.625	0.313	
n-Nitrosodiphenylamine		U	0.625	0.313	
4-Bromophenyl phenyl ether		U	0.625	0.313	
Hexachlorobenzene		U	0.625	0.313	
Pentachlorophenol		U	0.625	0.313	
Phenanthrene		U	0.625	0.313	
Anthracene		U	0.625	0.313	
Carbazole		U	0.625	0.313	
Di-n-butylphthalate		U	0.625	0.313	
Bis(2-ethylhexyl) adipate		U	0.625	0.313	
Fluoranthene		U	0.625	0.313	
Pyrene		U	0.625	0.313	
Butylbenzylphthalate		U	0.625	0.313	
Benz[a]anthracene		U	0.625	0.313	
Chrysene		U	0.625	0.313	
bis(2-Ethylhexyl)phthalate	11.9		0.625	0.313	
Di-n-octylphthalate	0.419	J	0.625	0.313	
Benzo[b]fluoranthene		U	0.625	0.313	
Benzo[k]fluoranthene		U	0.625	0.313	
Benzo[a]pyrene		U	0.625	0.313	
Indeno[1,2,3-cd]pyrene		U	0.625	0.313	
Dibenz[a,h]anthracene		U	0.625	0.313	
Benzo[g,h,i]perylene		U	0.625	0.313	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: HD6-2-2.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-15		
File ID:	D071646.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.47
Date Cleanup:	NA	Percent Solid:	71.6%
Date Analyzed:	7/18/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
Extraction Surrogate Recoveries (%)		Limits		
Toluene-d8	70	50 - 120		
4-Bromofluorobenzene	80	50 - 120		
2-Fluorophenol	78	50 - 120		
Phenol-d5	102	50 - 120		
Nitrobenzene-d5	78	50 - 120		
2-Fluorobiphenyl	73	50 - 120		
2,4,6-Tribromophenol	93	50 - 120		
p-Terphenyl-d14	77	50 - 120		

NA - Not applicable.
B - Analyte detected in the Blank.
J - Estimated value; detected between the RL and DL.
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: HD7-0-0.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-16		
File ID:	D071665.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.13
Date Cleanup:	NA	Percent Solid:	43.2%
Date Analyzed:	7/18/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
VOC & SVOC COMPOUNDS:				
cis-1,2-Dichloroethene	U	1.12	0.561	
2,2-Dichloropropane	U	1.12	0.561	
Chloroform	U	1.12	0.561	
1,1,1-Trichloroethane	U	1.12	0.561	
1,2-Dichloroethane	U	1.12	0.561	
1,1-Dichloropropene	U	1.12	0.561	
Benzene	U	1.12	0.561	
Carbon Tetrachloride	U	1.12	0.561	
1,2-Dichloropropane	U	1.12	0.561	
Trichloroethene	U	1.12	0.561	
Dibromomethane	U	1.12	0.561	
Bromodichloromethane	U	1.12	0.561	
Pyridine	U	1.12	0.561	
cis-1,3-Dichloropropene	U	1.12	0.561	
N-nitrosodimethylamine	U	1.12	0.561	
Toluene	U	1.12	0.561	
trans-1,3-Dichloropropene	U	1.12	0.561	
1,1,2-Trichloroethane	U	1.12	0.561	
1,3-Dichloropropane	U	1.12	0.561	
Dibromochloromethane	U	1.12	0.561	
1,2-Dibromoethane	U	1.12	0.561	
Tetrachloroethene	U	1.12	0.561	
Chlorobenzene	U	1.12	0.561	
1,1,1,2-Tetrachloroethane	U	1.12	0.561	
Ethylbenzene	U	1.12	0.561	
m/p-Xylenes	0.841 J	1.12	0.561	
Bromoform	U	1.12	0.561	
Styrene	U	1.12	0.561	
o-Xylene	U	1.12	0.561	
1,1,2,2-Tetrachloroethane	U	1.12	0.561	
1,2,3-Trichloropropane	U	1.12	0.561	
Isopropylbenzene	U	1.12	0.561	
Bromobenzene	U	1.12	0.561	
2-Chlorotoluene	U	1.12	0.561	
n-Propylbenzene	U	1.12	0.561	
4-Chlorotoluene	U	1.12	0.561	
1,3,5-Trimethylbenzene	U	1.12	0.561	
tert-Butylbenzene	U	1.12	0.561	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: HD7-0-0.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-16		
File ID:	D071665.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.13
Date Cleanup:	NA	Percent Solid:	43.2%
Date Analyzed:	7/18/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
1,2,4-Trimethylbenzene	U	1.12	0.561	
sec-Butylbenzene	U	1.12	0.561	
Phenol	U	1.12	0.561	
bis(2-Chloroethyl)ether	U	1.12	0.561	
Aniline	U	1.12	0.561	
2-Chlorophenol	U	1.12	0.561	
1,3-Dichlorobenzene	U	1.12	0.561	
1,4-Dichlorobenzene	U	1.12	0.561	
p-Isopropyltoluene	U	1.12	0.561	
Benzyl Alcohol	U	1.12	0.561	
2-Methylphenol (m-cresol)	U	1.12	0.561	
1,2-Dichlorobenzene	U	1.12	0.561	
3,4-Methylphenol (o,p-cresol)	U	1.12	0.561	
bis(2-chloroisopropyl)ether	U	1.12	0.561	
n-Butylbenzene	U	1.12	0.561	
N-nitroso-di-n-propylamine	U	1.12	0.561	
Hexachloroethane	U	1.12	0.561	
1,2-Dibromo-3-Chloropropane	U	1.12	0.561	
Nitrobenzene	U	1.12	0.561	
Isophorone	U	1.12	0.561	
2-Nitrophenol	U	1.12	0.561	
2,4-Dimethylphenol	U	1.12	0.561	
bis(2-Chloroethoxy)methane	U	1.12	0.561	
1,2,4-Trichlorobenzene	U	1.12	0.561	
Naphthalene	U	1.12	0.561	
2,4-Dichlorophenol	U	1.12	0.561	
4-Chloroaniline	U	1.12	0.561	
Hexachlorobutadiene	U	1.12	0.561	
1,2,3-Trichlorobenzene	U	1.12	0.561	
4-Chloro-3-methylphenol	U	1.12	0.561	
2-Methylnaphthalene	U	1.12	0.561	
1-Methylnaphthalene	U	1.12	0.561	
Hexachlorocyclopentadiene	U	1.12	0.561	
2,4,6-Trichlorophenol	U	1.12	0.561	
2,4,5-Trichlorophenol	U	1.12	0.561	
Diphenylamine	U	1.12	0.561	
Azobenzene	U	1.12	0.561	
2-Chloronaphthalene	U	1.12	0.561	
2-Nitroaniline	U	1.12	0.561	
1,4-Dinitrobenzene	U	1.12	0.561	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: HD7-0-0.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-16		
File ID:	D071665.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.13
Date Cleanup:	NA	Percent Solid:	43.2%
Date Analyzed:	7/18/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
Dimethylphthalate	U	1.12	0.561	
1,3-Dinitrobenzene	U	1.12	0.561	
Acenaphthylene	U	1.12	0.561	
2,6-dinitrotoluene	U	1.12	0.561	
1,2-Dinitrobenzene	U	1.12	0.561	
3-Nitroaniline	U	1.12	0.561	
Acenaphthene	U	1.12	0.561	
2,4-Dinitrophenol	U	1.12	0.561	
4-Nitrophenol	U	1.12	0.561	
Dibenzofuran	U	1.12	0.561	
2,4-dinitrotoluene	U	1.12	0.561	
2,3,4,6-Tetrachlorophenol	U	1.12	0.561	
2,3,5,6-Tetrachlorophenol	U	1.12	0.561	
Diethylphthalate	U	1.12	0.561	
4-Chlorophenyl-phenylether	U	1.12	0.561	
Fluorene	U	1.12	0.561	
4-Nitroaniline	U	1.12	0.561	
4,6-Dinitro-2-methylphenol	U	1.12	0.561	
n-Nitrosodiphenylamine	U	1.12	0.561	
4-Bromophenyl phenyl ether	U	1.12	0.561	
Hexachlorobenzene	U	1.12	0.561	
Pentachlorophenol	U	1.12	0.561	
Phenanthrene	1.03 J	1.12	0.561	
Anthracene	U	1.12	0.561	
Carbazole	U	1.12	0.561	
Di-n-butylphthalate	U	1.12	0.561	
Bis(2-ethylhexyl) adipate	U	1.12	0.561	
Fluoranthene	2.9	1.12	0.561	
Pyrene	2.64	1.12	0.561	
Butylbenzylphthalate	U	1.12	0.561	
Benz[a]anthracene	1.56	1.12	0.561	
Chrysene	2.26	1.12	0.561	
bis(2-Ethylhexyl)phthalate	26.8	1.12	0.561	
Di-n-octylphthalate	U	1.12	0.561	
Benzo[b]fluoranthene	2.26	1.12	0.561	
Benzo[k]fluoranthene	1.71	1.12	0.561	
Benzo[a]pyrene	1.84	1.12	0.561	
Indeno[1,2,3-cd]pyrene	1.77	1.12	0.561	
Dibenz[a,h]anthracene	U	1.12	0.561	
Benzo[g,h,i]perylene	1.8	1.12	0.561	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: HD7-0-0.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-16		
File ID:	D071665.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.13
Date Cleanup:	NA	Percent Solid:	43.2%
Date Analyzed:	7/18/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
Extraction Surrogate Recoveries (%)		Limits		
Toluene-d8	62	50 - 120		
4-Bromofluorobenzene	75	50 - 120		
2-Fluorophenol	77	50 - 120		
Phenol-d5	101	50 - 120		
Nitrobenzene-d5	73	50 - 120		
2-Fluorobiphenyl	72	50 - 120		
2,4,6-Tribromophenol	87	50 - 120		
p-Terphenyl-d14	80	50 - 120		

NA - Not applicable.
B - Analyte detected in the Blank.
J - Estimated value; detected between the RL and DL.
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: HD7-2-2.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-17		
File ID:	D071660.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.78
Date Cleanup:	NA	Percent Solid:	47.3%
Date Analyzed:	7/18/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
VOC & SVOC COMPOUNDS:				
cis-1,2-Dichloroethene	U	0.886	0.443	
2,2-Dichloropropane	U	0.886	0.443	
Chloroform	U	0.886	0.443	
1,1,1-Trichloroethane	U	0.886	0.443	
1,2-Dichloroethane	U	0.886	0.443	
1,1-Dichloropropene	U	0.886	0.443	
Benzene	U	0.886	0.443	
Carbon Tetrachloride	U	0.886	0.443	
1,2-Dichloropropane	U	0.886	0.443	
Trichloroethene	U	0.886	0.443	
Dibromomethane	U	0.886	0.443	
Bromodichloromethane	U	0.886	0.443	
Pyridine	U	0.886	0.443	
cis-1,3-Dichloropropene	U	0.886	0.443	
N-nitrosodimethylamine	U	0.886	0.443	
Toluene	U	0.886	0.443	
trans-1,3-Dichloropropene	U	0.886	0.443	
1,1,2-Trichloroethane	U	0.886	0.443	
1,3-Dichloropropane	U	0.886	0.443	
Dibromochloromethane	U	0.886	0.443	
1,2-Dibromoethane	U	0.886	0.443	
Tetrachloroethene	U	0.886	0.443	
Chlorobenzene	U	0.886	0.443	
1,1,1,2-Tetrachloroethane	U	0.886	0.443	
Ethylbenzene	U	0.886	0.443	
m/p-Xylenes	U	0.886	0.443	
Bromoform	U	0.886	0.443	
Styrene	U	0.886	0.443	
o-Xylene	U	0.886	0.443	
1,1,2,2-Tetrachloroethane	U	0.886	0.443	
1,2,3-Trichloropropane	U	0.886	0.443	
Isopropylbenzene	U	0.886	0.443	
Bromobenzene	U	0.886	0.443	
2-Chlorotoluene	U	0.886	0.443	
n-Propylbenzene	U	0.886	0.443	
4-Chlorotoluene	U	0.886	0.443	
1,3,5-Trimethylbenzene	U	0.886	0.443	
tert-Butylbenzene	U	0.886	0.443	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: HD7-2-2.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-17		
File ID:	D071660.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.78
Date Cleanup:	NA	Percent Solid:	47.3%
Date Analyzed:	7/18/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
1,2,4-Trimethylbenzene		U	0.886	0.443	
sec-Butylbenzene		U	0.886	0.443	
Phenol		U	0.886	0.443	
bis(2-Chloroethyl)ether		U	0.886	0.443	
Aniline		U	0.886	0.443	
2-Chlorophenol		U	0.886	0.443	
1,3-Dichlorobenzene		U	0.886	0.443	
1,4-Dichlorobenzene		U	0.886	0.443	
p-Isopropyltoluene		U	0.886	0.443	
Benzyl Alcohol		U	0.886	0.443	
2-Methylphenol (m-cresol)		U	0.886	0.443	
1,2-Dichlorobenzene		U	0.886	0.443	
3,4-Methylphenol (o,p-cresol)		U	0.886	0.443	
bis(2-chloroisopropyl)ether		U	0.886	0.443	
n-Butylbenzene		U	0.886	0.443	
N-nitroso-di-n-propylamine		U	0.886	0.443	
Hexachloroethane		U	0.886	0.443	
1,2-Dibromo-3-Chloropropane		U	0.886	0.443	
Nitrobenzene		U	0.886	0.443	
Isophorone		U	0.886	0.443	
2-Nitrophenol		U	0.886	0.443	
2,4-Dimethylphenol		U	0.886	0.443	
bis(2-Chloroethoxy)methane		U	0.886	0.443	
1,2,4-Trichlorobenzene		U	0.886	0.443	
Naphthalene	1.13		0.886	0.443	
2,4-Dichlorophenol		U	0.886	0.443	
4-Chloroaniline		U	0.886	0.443	
Hexachlorobutadiene		U	0.886	0.443	
1,2,3-Trichlorobenzene		U	0.886	0.443	
4-Chloro-3-methylphenol		U	0.886	0.443	
2-Methylnaphthalene		U	0.886	0.443	
1-Methylnaphthalene		U	0.886	0.443	
Hexachlorocyclopentadiene		U	0.886	0.443	
2,4,6-Trichlorophenol		U	0.886	0.443	
2,4,5-Trichlorophenol		U	0.886	0.443	
Diphenylamine		U	0.886	0.443	
Azobenzene		U	0.886	0.443	
2-Chloronaphthalene		U	0.886	0.443	
2-Nitroaniline		U	0.886	0.443	
1,4-Dinitrobenzene		U	0.886	0.443	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: HD7-2-2.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-17		
File ID:	D071660.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.78
Date Cleanup:	NA	Percent Solid:	47.3%
Date Analyzed:	7/18/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
Dimethylphthalate		U	0.886	0.443	
1,3-Dinitrobenzene		U	0.886	0.443	
Acenaphthylene		U	0.886	0.443	
2,6-dinitrotoluene		U	0.886	0.443	
1,2-Dinitrobenzene		U	0.886	0.443	
3-Nitroaniline		U	0.886	0.443	
Acenaphthene	0.819	J	0.886	0.443	
2,4-Dinitrophenol		U	0.886	0.443	
4-Nitrophenol		U	0.886	0.443	
Dibenzofuran	0.463	J	0.886	0.443	
2,4-dinitrotoluene		U	0.886	0.443	
2,3,4,6-Tetrachlorophenol		U	0.886	0.443	
2,3,5,6-Tetrachlorophenol		U	0.886	0.443	
Diethylphthalate		U	0.886	0.443	
4-Chlorophenyl-phenylether		U	0.886	0.443	
Fluorene	1.03		0.886	0.443	
4-Nitroaniline		U	0.886	0.443	
4,6-Dinitro-2-methylphenol		U	0.886	0.443	
n-Nitrosodiphenylamine		U	0.886	0.443	
4-Bromophenyl phenyl ether		U	0.886	0.443	
Hexachlorobenzene		U	0.886	0.443	
Pentachlorophenol		U	0.886	0.443	
Phenanthrene	3.79		0.886	0.443	
Anthracene	1.04		0.886	0.443	
Carbazole		U	0.886	0.443	
Di-n-butylphthalate	1.33		0.886	0.443	
Bis(2-ethylhexyl) adipate		U	0.886	0.443	
Fluoranthene	9.69		0.886	0.443	
Pyrene	7.05		0.886	0.443	
Butylbenzylphthalate	0.799	J	0.886	0.443	
Benz[a]anthracene	2.98		0.886	0.443	
Chrysene	3.34		0.886	0.443	
bis(2-Ethylhexyl)phthalate	434	D	0.886	0.443	
Di-n-octylphthalate	3.63		0.886	0.443	
Benzo[b]fluoranthene	3.59		0.886	0.443	
Benzo[k]fluoranthene	2.11		0.886	0.443	
Benzo[a]pyrene	1.41		0.886	0.443	
Indeno[1,2,3-cd]pyrene	1.97		0.886	0.443	
Dibenz[a,h]anthracene	0.510	J	0.886	0.443	
Benzo[g,h,i]perylene	2.15		0.886	0.443	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: HD7-2-2.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-17		
File ID:	D071660.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.78
Date Cleanup:	NA	Percent Solid:	47.3%
Date Analyzed:	7/18/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
Extraction Surrogate Recoveries (%)		Limits		
Toluene-d8	63	50 - 120		
4-Bromofluorobenzene	80	50 - 120		
2-Fluorophenol	78	50 - 120		
Phenol-d5	103	50 - 120		
Nitrobenzene-d5	77	50 - 120		
2-Fluorobiphenyl	73	50 - 120		
2,4,6-Tribromophenol	86	50 - 120		
p-Terphenyl-d14	87	50 - 120		

NA - Not applicable.
B - Analyte detected in the Blank.
J - Estimated value; detected between the RL and DL.
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: HD8-0-0.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-18		
File ID:	D071666.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.28
Date Cleanup:	NA	Percent Solid:	38.6%
Date Analyzed:	7/18/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
VOC & SVOC COMPOUNDS:				
cis-1,2-Dichloroethene	U	1.21	0.605	
2,2-Dichloropropane	U	1.21	0.605	
Chloroform	U	1.21	0.605	
1,1,1-Trichloroethane	U	1.21	0.605	
1,2-Dichloroethane	U	1.21	0.605	
1,1-Dichloropropene	U	1.21	0.605	
Benzene	U	1.21	0.605	
Carbon Tetrachloride	U	1.21	0.605	
1,2-Dichloropropane	U	1.21	0.605	
Trichloroethene	U	1.21	0.605	
Dibromomethane	U	1.21	0.605	
Bromodichloromethane	U	1.21	0.605	
Pyridine	U	1.21	0.605	
cis-1,3-Dichloropropene	U	1.21	0.605	
N-nitrosodimethylamine	U	1.21	0.605	
Toluene	U	1.21	0.605	
trans-1,3-Dichloropropene	U	1.21	0.605	
1,1,2-Trichloroethane	U	1.21	0.605	
1,3-Dichloropropane	U	1.21	0.605	
Dibromochloromethane	U	1.21	0.605	
1,2-Dibromoethane	U	1.21	0.605	
Tetrachloroethene	U	1.21	0.605	
Chlorobenzene	U	1.21	0.605	
1,1,1,2-Tetrachloroethane	U	1.21	0.605	
Ethylbenzene	U	1.21	0.605	
m/p-Xylenes	U	1.21	0.605	
Bromoform	U	1.21	0.605	
Styrene	U	1.21	0.605	
o-Xylene	U	1.21	0.605	
1,1,2,2-Tetrachloroethane	U	1.21	0.605	
1,2,3-Trichloropropane	U	1.21	0.605	
Isopropylbenzene	U	1.21	0.605	
Bromobenzene	U	1.21	0.605	
2-Chlorotoluene	U	1.21	0.605	
n-Propylbenzene	U	1.21	0.605	
4-Chlorotoluene	U	1.21	0.605	
1,3,5-Trimethylbenzene	U	1.21	0.605	
tert-Butylbenzene	U	1.21	0.605	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: HD8-0-0.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-18		
File ID:	D071666.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.28
Date Cleanup:	NA	Percent Solid:	38.6%
Date Analyzed:	7/18/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
1,2,4-Trimethylbenzene	U	1.21	0.605	
sec-Butylbenzene	U	1.21	0.605	
Phenol	U	1.21	0.605	
bis(2-Chloroethyl)ether	U	1.21	0.605	
Aniline	U	1.21	0.605	
2-Chlorophenol	U	1.21	0.605	
1,3-Dichlorobenzene	U	1.21	0.605	
1,4-Dichlorobenzene	U	1.21	0.605	
p-Isopropyltoluene	U	1.21	0.605	
Benzyl Alcohol	U	1.21	0.605	
2-Methylphenol (m-cresol)	U	1.21	0.605	
1,2-Dichlorobenzene	U	1.21	0.605	
3,4-Methylphenol (o,p-cresol)	U	1.21	0.605	
bis(2-chloroisopropyl)ether	U	1.21	0.605	
n-Butylbenzene	U	1.21	0.605	
N-nitroso-di-n-propylamine	U	1.21	0.605	
Hexachloroethane	U	1.21	0.605	
1,2-Dibromo-3-Chloropropane	U	1.21	0.605	
Nitrobenzene	U	1.21	0.605	
Isophorone	U	1.21	0.605	
2-Nitrophenol	U	1.21	0.605	
2,4-Dimethylphenol	U	1.21	0.605	
bis(2-Chloroethoxy)methane	U	1.21	0.605	
1,2,4-Trichlorobenzene	U	1.21	0.605	
Naphthalene	U	1.21	0.605	
2,4-Dichlorophenol	U	1.21	0.605	
4-Chloroaniline	U	1.21	0.605	
Hexachlorobutadiene	U	1.21	0.605	
1,2,3-Trichlorobenzene	U	1.21	0.605	
4-Chloro-3-methylphenol	U	1.21	0.605	
2-Methylnaphthalene	U	1.21	0.605	
1-Methylnaphthalene	U	1.21	0.605	
Hexachlorocyclopentadiene	U	1.21	0.605	
2,4,6-Trichlorophenol	U	1.21	0.605	
2,4,5-Trichlorophenol	U	1.21	0.605	
Diphenylamine	U	1.21	0.605	
Azobenzene	U	1.21	0.605	
2-Chloronaphthalene	U	1.21	0.605	
2-Nitroaniline	U	1.21	0.605	
1,4-Dinitrobenzene	U	1.21	0.605	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: HD8-0-0.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-18		
File ID:	D071666.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.28
Date Cleanup:	NA	Percent Solid:	38.6%
Date Analyzed:	7/18/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
Dimethylphthalate		U	1.21	0.605	
1,3-Dinitrobenzene		U	1.21	0.605	
Acenaphthylene		U	1.21	0.605	
2,6-dinitrotoluene		U	1.21	0.605	
1,2-Dinitrobenzene		U	1.21	0.605	
3-Nitroaniline		U	1.21	0.605	
Acenaphthene		U	1.21	0.605	
2,4-Dinitrophenol		U	1.21	0.605	
4-Nitrophenol		U	1.21	0.605	
Dibenzofuran		U	1.21	0.605	
2,4-dinitrotoluene		U	1.21	0.605	
2,3,4,6-Tetrachlorophenol		U	1.21	0.605	
2,3,5,6-Tetrachlorophenol		U	1.21	0.605	
Diethylphthalate		U	1.21	0.605	
4-Chlorophenyl-phenylether		U	1.21	0.605	
Fluorene		U	1.21	0.605	
4-Nitroaniline		U	1.21	0.605	
4,6-Dinitro-2-methylphenol		U	1.21	0.605	
n-Nitrosodiphenylamine		U	1.21	0.605	
4-Bromophenyl phenyl ether		U	1.21	0.605	
Hexachlorobenzene		U	1.21	0.605	
Pentachlorophenol		U	1.21	0.605	
Phenanthrene	0.805	J	1.21	0.605	
Anthracene		U	1.21	0.605	
Carbazole		U	1.21	0.605	
Di-n-butylphthalate		U	1.21	0.605	
Bis(2-ethylhexyl) adipate		U	1.21	0.605	
Fluoranthene	1.95		1.21	0.605	
Pyrene	1.71		1.21	0.605	
Butylbenzylphthalate		U	1.21	0.605	
Benz[a]anthracene	1.06	J	1.21	0.605	
Chrysene	1.43		1.21	0.605	
bis(2-Ethylhexyl)phthalate	6.65		1.21	0.605	
Di-n-octylphthalate		U	1.21	0.605	
Benzo[b]fluoranthene	1.54		1.21	0.605	
Benzo[k]fluoranthene	1.1	J	1.21	0.605	
Benzo[a]pyrene	1.37		1.21	0.605	
Indeno[1,2,3-cd]pyrene	1.32		1.21	0.605	
Dibenz[a,h]anthracene		U	1.21	0.605	
Benzo[g,h,i]perylene	1.38		1.21	0.605	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: HD8-0-0.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-18		
File ID:	D071666.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.28
Date Cleanup:	NA	Percent Solid:	38.6%
Date Analyzed:	7/18/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
Extraction Surrogate Recoveries (%)		Limits		
Toluene-d8	62	50 - 120		
4-Bromofluorobenzene	77	50 - 120		
2-Fluorophenol	74	50 - 120		
Phenol-d5	96	50 - 120		
Nitrobenzene-d5	75	50 - 120		
2-Fluorobiphenyl	71	50 - 120		
2,4,6-Tribromophenol	87	50 - 120		
p-Terphenyl-d14	75	50 - 120		

NA - Not applicable.
B - Analyte detected in the Blank.
J - Estimated value; detected between the RL and DL.
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: HD8-2-2.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-19		
File ID:	D071661.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.14
Date Cleanup:	NA	Percent Solid:	54.0%
Date Analyzed:	7/18/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
VOC & SVOC COMPOUNDS:				
cis-1,2-Dichloroethene	U	0.896	0.448	
2,2-Dichloropropane	U	0.896	0.448	
Chloroform	U	0.896	0.448	
1,1,1-Trichloroethane	U	0.896	0.448	
1,2-Dichloroethane	U	0.896	0.448	
1,1-Dichloropropene	U	0.896	0.448	
Benzene	U	0.896	0.448	
Carbon Tetrachloride	U	0.896	0.448	
1,2-Dichloropropane	U	0.896	0.448	
Trichloroethene	U	0.896	0.448	
Dibromomethane	U	0.896	0.448	
Bromodichloromethane	U	0.896	0.448	
Pyridine	U	0.896	0.448	
cis-1,3-Dichloropropene	U	0.896	0.448	
N-nitrosodimethylamine	U	0.896	0.448	
Toluene	U	0.896	0.448	
trans-1,3-Dichloropropene	U	0.896	0.448	
1,1,2-Trichloroethane	U	0.896	0.448	
1,3-Dichloropropane	U	0.896	0.448	
Dibromochloromethane	U	0.896	0.448	
1,2-Dibromoethane	U	0.896	0.448	
Tetrachloroethene	U	0.896	0.448	
Chlorobenzene	U	0.896	0.448	
1,1,1,2-Tetrachloroethane	U	0.896	0.448	
Ethylbenzene	U	0.896	0.448	
m/p-Xylenes	U	0.896	0.448	
Bromoform	U	0.896	0.448	
Styrene	U	0.896	0.448	
o-Xylene	U	0.896	0.448	
1,1,2,2-Tetrachloroethane	U	0.896	0.448	
1,2,3-Trichloropropane	U	0.896	0.448	
Isopropylbenzene	U	0.896	0.448	
Bromobenzene	U	0.896	0.448	
2-Chlorotoluene	U	0.896	0.448	
n-Propylbenzene	U	0.896	0.448	
4-Chlorotoluene	U	0.896	0.448	
1,3,5-Trimethylbenzene	U	0.896	0.448	
tert-Butylbenzene	U	0.896	0.448	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: HD8-2-2.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-19		
File ID:	D071661.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.14
Date Cleanup:	NA	Percent Solid:	54.0%
Date Analyzed:	7/18/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
1,2,4-Trimethylbenzene	U	0.896	0.448	
sec-Butylbenzene	U	0.896	0.448	
Phenol	U	0.896	0.448	
bis(2-Chloroethyl)ether	U	0.896	0.448	
Aniline	U	0.896	0.448	
2-Chlorophenol	U	0.896	0.448	
1,3-Dichlorobenzene	U	0.896	0.448	
1,4-Dichlorobenzene	U	0.896	0.448	
p-Isopropyltoluene	U	0.896	0.448	
Benzyl Alcohol	U	0.896	0.448	
2-Methylphenol (m-cresol)	U	0.896	0.448	
1,2-Dichlorobenzene	U	0.896	0.448	
3,4-Methylphenol (o,p-cresol)	U	0.896	0.448	
bis(2-chloroisopropyl)ether	U	0.896	0.448	
n-Butylbenzene	U	0.896	0.448	
N-nitroso-di-n-propylamine	U	0.896	0.448	
Hexachloroethane	U	0.896	0.448	
1,2-Dibromo-3-Chloropropane	U	0.896	0.448	
Nitrobenzene	U	0.896	0.448	
Isophorone	U	0.896	0.448	
2-Nitrophenol	U	0.896	0.448	
2,4-Dimethylphenol	U	0.896	0.448	
bis(2-Chloroethoxy)methane	U	0.896	0.448	
1,2,4-Trichlorobenzene	U	0.896	0.448	
Naphthalene	U	0.896	0.448	
2,4-Dichlorophenol	U	0.896	0.448	
4-Chloroaniline	U	0.896	0.448	
Hexachlorobutadiene	U	0.896	0.448	
1,2,3-Trichlorobenzene	U	0.896	0.448	
4-Chloro-3-methylphenol	U	0.896	0.448	
2-Methylnaphthalene	U	0.896	0.448	
1-Methylnaphthalene	U	0.896	0.448	
Hexachlorocyclopentadiene	U	0.896	0.448	
2,4,6-Trichlorophenol	U	0.896	0.448	
2,4,5-Trichlorophenol	U	0.896	0.448	
Diphenylamine	U	0.896	0.448	
Azobenzene	U	0.896	0.448	
2-Chloronaphthalene	U	0.896	0.448	
2-Nitroaniline	U	0.896	0.448	
1,4-Dinitrobenzene	U	0.896	0.448	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: HD8-2-2.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-19		
File ID:	D071661.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.14
Date Cleanup:	NA	Percent Solid:	54.0%
Date Analyzed:	7/18/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
Dimethylphthalate		U	0.896	0.448	
1,3-Dinitrobenzene		U	0.896	0.448	
Acenaphthylene		U	0.896	0.448	
2,6-dinitrotoluene		U	0.896	0.448	
1,2-Dinitrobenzene		U	0.896	0.448	
3-Nitroaniline		U	0.896	0.448	
Acenaphthene		U	0.896	0.448	
2,4-Dinitrophenol		U	0.896	0.448	
4-Nitrophenol		U	0.896	0.448	
Dibenzofuran		U	0.896	0.448	
2,4-dinitrotoluene		U	0.896	0.448	
2,3,4,6-Tetrachlorophenol		U	0.896	0.448	
2,3,5,6-Tetrachlorophenol		U	0.896	0.448	
Diethylphthalate		U	0.896	0.448	
4-Chlorophenyl-phenylether		U	0.896	0.448	
Fluorene		U	0.896	0.448	
4-Nitroaniline		U	0.896	0.448	
4,6-Dinitro-2-methylphenol		U	0.896	0.448	
n-Nitrosodiphenylamine		U	0.896	0.448	
4-Bromophenyl phenyl ether		U	0.896	0.448	
Hexachlorobenzene		U	0.896	0.448	
Pentachlorophenol		U	0.896	0.448	
Phenanthrene	0.465	J	0.896	0.448	
Anthracene		U	0.896	0.448	
Carbazole		U	0.896	0.448	
Di-n-butylphthalate		U	0.896	0.448	
Bis(2-ethylhexyl) adipate		U	0.896	0.448	
Fluoranthene	1.27		0.896	0.448	
Pyrene	1.12		0.896	0.448	
Butylbenzylphthalate		U	0.896	0.448	
Benz[a]anthracene	0.761	J	0.896	0.448	
Chrysene	0.894	J	0.896	0.448	
bis(2-Ethylhexyl)phthalate	284	D	0.896	0.448	
Di-n-octylphthalate	0.490	J	0.896	0.448	
Benzo[b]fluoranthene	0.975		0.896	0.448	
Benzo[k]fluoranthene	0.664	J	0.896	0.448	
Benzo[a]pyrene	0.690	J	0.896	0.448	
Indeno[1,2,3-cd]pyrene	0.610	J	0.896	0.448	
Dibenz[a,h]anthracene		U	0.896	0.448	
Benzo[g,h,i]perylene	0.650	J	0.896	0.448	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: HD8-2-2.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-19		
File ID:	D071661.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.14
Date Cleanup:	NA	Percent Solid:	54.0%
Date Analyzed:	7/18/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
Extraction Surrogate Recoveries (%)		Limits		
Toluene-d8	61	50 - 120		
4-Bromofluorobenzene	78	50 - 120		
2-Fluorophenol	76	50 - 120		
Phenol-d5	103	50 - 120		
Nitrobenzene-d5	79	50 - 120		
2-Fluorobiphenyl	73	50 - 120		
2,4,6-Tribromophenol	88	50 - 120		
p-Terphenyl-d14	81	50 - 120		

NA - Not applicable.
B - Analyte detected in the Blank.
J - Estimated value; detected between the RL and DL.
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: NAPL E

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-09		
File ID:	D070229.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.76
Date Cleanup:	NA	Percent Solid:	44.6%
Date Analyzed:	7/3/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
VOC & SVOC COMPOUNDS:				
cis-1,2-Dichloroethene	U	0.942	0.471	
2,2-Dichloropropane	U	0.942	0.471	
Chloroform	U	0.942	0.471	
1,1,1-Trichloroethane	U	0.942	0.471	
1,2-Dichloroethane	U	0.942	0.471	
1,1-Dichloropropene	U	0.942	0.471	
Benzene	0.742 J	0.942	0.471	
Carbon Tetrachloride	U	0.942	0.471	
1,2-Dichloropropane	U	0.942	0.471	
Trichloroethene	U	0.942	0.471	
Dibromomethane	U	0.942	0.471	
Bromodichloromethane	U	0.942	0.471	
Pyridine	U	0.942	0.471	
cis-1,3-Dichloropropene	U	0.942	0.471	
N-nitrosodimethylamine	U	0.942	0.471	
Toluene	0.886 J	0.942	0.471	
trans-1,3-Dichloropropene	U	0.942	0.471	
1,1,2-Trichloroethane	U	0.942	0.471	
1,3-Dichloropropane	U	0.942	0.471	
Dibromochloromethane	U	0.942	0.471	
1,2-Dibromoethane	U	0.942	0.471	
Tetrachloroethene	U	0.942	0.471	
Chlorobenzene	5.54	0.942	0.471	
1,1,1,2-Tetrachloroethane	U	0.942	0.471	
Ethylbenzene	U	0.942	0.471	
m/p-Xylenes	0.937 J	0.942	0.471	
Bromoform	U	0.942	0.471	
Styrene	U	0.942	0.471	
o-Xylene	U	0.942	0.471	
1,1,2,2-Tetrachloroethane	U	0.942	0.471	
1,2,3-Trichloropropane	U	0.942	0.471	
Isopropylbenzene	U	0.942	0.471	
Bromobenzene	U	0.942	0.471	
2-Chlorotoluene	U	0.942	0.471	
n-Propylbenzene	U	0.942	0.471	
4-Chlorotoluene	U	0.942	0.471	
1,3,5-Trimethylbenzene	U	0.942	0.471	
tert-Butylbenzene	U	0.942	0.471	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: NAPL E

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-09		
File ID:	D070229.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.76
Date Cleanup:	NA	Percent Solid:	44.6%
Date Analyzed:	7/3/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
1,2,4-Trimethylbenzene		U	0.942	0.471	
sec-Butylbenzene		U	0.942	0.471	
Phenol	1.33		0.942	0.471	
bis(2-Chloroethyl)ether		U	0.942	0.471	
Aniline		U	0.942	0.471	
2-Chlorophenol		U	0.942	0.471	
1,3-Dichlorobenzene	4.11		0.942	0.471	
1,4-Dichlorobenzene	28.8		0.942	0.471	
p-Isopropyltoluene		U	0.942	0.471	
Benzyl Alcohol		U	0.942	0.471	
2-Methylphenol (m-cresol)		U	0.942	0.471	
1,2-Dichlorobenzene	11.3		0.942	0.471	
3,4-Methylphenol (o,p-cresol)	0.875	J	0.942	0.471	
bis(2-chloroisopropyl)ether		U	0.942	0.471	
n-Butylbenzene		U	0.942	0.471	
N-nitroso-di-n-propylamine		U	0.942	0.471	
Hexachloroethane		U	0.942	0.471	
1,2-Dibromo-3-Chloropropane		U	0.942	0.471	
Nitrobenzene		U	0.942	0.471	
Isophorone		U	0.942	0.471	
2-Nitrophenol		U	0.942	0.471	
2,4-Dimethylphenol	1.99		0.942	0.471	
bis(2-Chloroethoxy)methane		U	0.942	0.471	
1,2,4-Trichlorobenzene	2.93		0.942	0.471	
Naphthalene		U	0.942	0.471	
2,4-Dichlorophenol		U	0.942	0.471	
4-Chloroaniline		U	0.942	0.471	
Hexachlorobutadiene		U	0.942	0.471	
1,2,3-Trichlorobenzene	1.97		0.942	0.471	
4-Chloro-3-methylphenol		U	0.942	0.471	
2-Methylnaphthalene		U	0.942	0.471	
1-Methylnaphthalene		U	0.942	0.471	
Hexachlorocyclopentadiene		U	0.942	0.471	
2,4,6-Trichlorophenol		U	0.942	0.471	
2,4,5-Trichlorophenol		U	0.942	0.471	
Diphenylamine		U	0.942	0.471	
Azobenzene		U	0.942	0.471	
2-Chloronaphthalene		U	0.942	0.471	
2-Nitroaniline		U	0.942	0.471	
1,4-Dinitrobenzene		U	0.942	0.471	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: NAPL E

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-09		
File ID:	D070229.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.76
Date Cleanup:	NA	Percent Solid:	44.6%
Date Analyzed:	7/3/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
Dimethylphthalate		U	0.942	0.471	
1,3-Dinitrobenzene		U	0.942	0.471	
Acenaphthylene		U	0.942	0.471	
2,6-dinitrotoluene		U	0.942	0.471	
1,2-Dinitrobenzene		U	0.942	0.471	
3-Nitroaniline		U	0.942	0.471	
Acenaphthene		U	0.942	0.471	
2,4-Dinitrophenol		U	0.942	0.471	
4-Nitrophenol		U	0.942	0.471	
Dibenzofuran		U	0.942	0.471	
2,4-dinitrotoluene		U	0.942	0.471	
2,3,4,6-Tetrachlorophenol		U	0.942	0.471	
2,3,5,6-Tetrachlorophenol		U	0.942	0.471	
Diethylphthalate		U	0.942	0.471	
4-Chlorophenyl-phenylether		U	0.942	0.471	
Fluorene		U	0.942	0.471	
4-Nitroaniline		U	0.942	0.471	
4,6-Dinitro-2-methylphenol		U	0.942	0.471	
n-Nitrosodiphenylamine		U	0.942	0.471	
4-Bromophenyl phenyl ether		U	0.942	0.471	
Hexachlorobenzene		U	0.942	0.471	
Pentachlorophenol		U	0.942	0.471	
Phenanthrene	0.523	J	0.942	0.471	
Anthracene		U	0.942	0.471	
Carbazole		U	0.942	0.471	
Di-n-butylphthalate	1.17		0.942	0.471	
Bis(2-ethylhexyl) adipate		U	0.942	0.471	
Fluoranthene		U	0.942	0.471	
Pyrene	0.766	J	0.942	0.471	
Butylbenzylphthalate	2.07		0.942	0.471	
Benz[a]anthracene		U	0.942	0.471	
Chrysene		U	0.942	0.471	
bis(2-Ethylhexyl)phthalate	569	D	0.942	0.471	
Di-n-octylphthalate	44.3		0.942	0.471	
Benzo[b]fluoranthene		U	0.942	0.471	
Benzo[k]fluoranthene		U	0.942	0.471	
Benzo[a]pyrene		U	0.942	0.471	
Indeno[1,2,3-cd]pyrene		U	0.942	0.471	
Dibenz[a,h]anthracene		U	0.942	0.471	
Benzo[g,h,i]perylene		U	0.942	0.471	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: NAPL E

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-09		
File ID:	D070229.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.76
Date Cleanup:	NA	Percent Solid:	44.6%
Date Analyzed:	7/3/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
Extraction Surrogate Recoveries (%)		Limits		
Toluene-d8	73	50 - 120		
4-Bromofluorobenzene	89	50 - 120		
2-Fluorophenol	87	50 - 120		
Phenol-d5	94	50 - 120		
Nitrobenzene-d5	85	50 - 120		
2-Fluorobiphenyl	96	50 - 120		
2,4,6-Tribromophenol	29	50 - 120		
p-Terphenyl-d14	72	50 - 120		

NA - Not applicable.
B - Analyte detected in the Blank.
J - Estimated value; detected between the RL and DL.
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Soil Blank

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	QC100617-SB		
File ID:	D070208.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	NA	Decanted:	None
Date Received:	NA		
Date Prepared:	6/17/2010	Sample Size (g):	4.00
Date Cleanup:	NA	Percent Solid:	100%
Date Analyzed:	7/2/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
VOC & SVOC COMPOUNDS:					
cis-1,2-Dichloroethene		U	0.500	0.250	
2,2-Dichloropropane		U	0.500	0.250	
Chloroform		U	0.500	0.250	
1,1,1-Trichloroethane		U	0.500	0.250	
1,2-Dichloroethane		U	0.500	0.250	
1,1-Dichloropropene		U	0.500	0.250	
Benzene		U	0.500	0.250	
Carbon Tetrachloride		U	0.500	0.250	
1,2-Dichloropropane		U	0.500	0.250	
Trichloroethene		U	0.500	0.250	
Dibromomethane		U	0.500	0.250	
Bromodichloromethane		U	0.500	0.250	
Pyridine		U	0.500	0.250	
cis-1,3-Dichloropropene		U	0.500	0.250	
N-nitrosodimethylamine		U	0.500	0.250	
Toluene		U	0.500	0.250	
trans-1,3-Dichloropropene		U	0.500	0.250	
1,1,2-Trichloroethane		U	0.500	0.250	
1,3-Dichloropropane		U	0.500	0.250	
Dibromochloromethane		U	0.500	0.250	
1,2-Dibromoethane		U	0.500	0.250	
Tetrachloroethene		U	0.500	0.250	
Chlorobenzene		U	0.500	0.250	
1,1,1,2-Tetrachloroethane		U	0.500	0.250	
Ethylbenzene		U	0.500	0.250	
m/p-Xylenes		U	0.500	0.250	
Bromoform		U	0.500	0.250	
Styrene		U	0.500	0.250	
o-Xylene		U	0.500	0.250	
1,1,2,2-Tetrachloroethane		U	0.500	0.250	
1,2,3-Trichloropropane		U	0.500	0.250	
Isopropylbenzene		U	0.500	0.250	
Bromobenzene		U	0.500	0.250	
2-Chlorotoluene		U	0.500	0.250	
n-Propylbenzene		U	0.500	0.250	
4-Chlorotoluene		U	0.500	0.250	
1,3,5-Trimethylbenzene		U	0.500	0.250	
tert-Butylbenzene		U	0.500	0.250	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Soil Blank

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	QC100617-SB		
File ID:	D070208.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	NA	Decanted:	None
Date Received:	NA		
Date Prepared:	6/17/2010	Sample Size (g):	4.00
Date Cleanup:	NA	Percent Solid:	100%
Date Analyzed:	7/2/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
1,2,4-Trimethylbenzene		U	0.500	0.250	
sec-Butylbenzene		U	0.500	0.250	
Phenol		U	0.500	0.250	
bis(2-Chloroethyl)ether		U	0.500	0.250	
Aniline		U	0.500	0.250	
2-Chlorophenol		U	0.500	0.250	
1,3-Dichlorobenzene		U	0.500	0.250	
1,4-Dichlorobenzene		U	0.500	0.250	
p-Isopropyltoluene		U	0.500	0.250	
Benzyl Alcohol		U	0.500	0.250	
2-Methylphenol (m-cresol)		U	0.500	0.250	
1,2-Dichlorobenzene		U	0.500	0.250	
3,4-Methylphenol (o,p-cresol)		U	0.500	0.250	
bis(2-chloroisopropyl)ether		U	0.500	0.250	
n-Butylbenzene		U	0.500	0.250	
N-nitroso-di-n-propylamine		U	0.500	0.250	
Hexachloroethane		U	0.500	0.250	
1,2-Dibromo-3-Chloropropane		U	0.500	0.250	
Nitrobenzene		U	0.500	0.250	
Isophorone		U	0.500	0.250	
2-Nitrophenol		U	0.500	0.250	
2,4-Dimethylphenol		U	0.500	0.250	
bis(2-Chloroethoxy)methane		U	0.500	0.250	
1,2,4-Trichlorobenzene		U	0.500	0.250	
Naphthalene		U	0.500	0.250	
2,4-Dichlorophenol		U	0.500	0.250	
4-Chloroaniline		U	0.500	0.250	
Hexachlorobutadiene		U	0.500	0.250	
1,2,3-Trichlorobenzene		U	0.500	0.250	
4-Chloro-3-methylphenol		U	0.500	0.250	
2-Methylnaphthalene		U	0.500	0.250	
1-Methylnaphthalene		U	0.500	0.250	
Hexachlorocyclopentadiene		U	0.500	0.250	
2,4,6-Trichlorophenol		U	0.500	0.250	
2,4,5-Trichlorophenol		U	0.500	0.250	
Diphenylamine		U	0.500	0.250	
Azobenzene		U	0.500	0.250	
2-Chloronaphthalene		U	0.500	0.250	
2-Nitroaniline		U	0.500	0.250	
1,4-Dinitrobenzene		U	0.500	0.250	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Soil Blank

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	QC100617-SB		
File ID:	D070208.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	NA	Decanted:	None
Date Received:	NA		
Date Prepared:	6/17/2010	Sample Size (g):	4.00
Date Cleanup:	NA	Percent Solid:	100%
Date Analyzed:	7/2/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
Dimethylphthalate		U	0.500	0.250	
1,3-Dinitrobenzene		U	0.500	0.250	
Acenaphthylene		U	0.500	0.250	
2,6-dinitrotoluene		U	0.500	0.250	
1,2-Dinitrobenzene		U	0.500	0.250	
3-Nitroaniline		U	0.500	0.250	
Acenaphthene		U	0.500	0.250	
2,4-Dinitrophenol		U	0.500	0.250	
4-Nitrophenol		U	0.500	0.250	
Dibenzofuran		U	0.500	0.250	
2,4-dinitrotoluene		U	0.500	0.250	
2,3,4,6-Tetrachlorophenol		U	0.500	0.250	
2,3,5,6-Tetrachlorophenol		U	0.500	0.250	
Diethylphthalate		U	0.500	0.250	
4-Chlorophenyl-phenylether		U	0.500	0.250	
Fluorene		U	0.500	0.250	
4-Nitroaniline		U	0.500	0.250	
4,6-Dinitro-2-methylphenol		U	0.500	0.250	
n-Nitrosodiphenylamine		U	0.500	0.250	
4-Bromophenyl phenyl ether		U	0.500	0.250	
Hexachlorobenzene		U	0.500	0.250	
Pentachlorophenol		U	0.500	0.250	
Phenanthrene		U	0.500	0.250	
Anthracene		U	0.500	0.250	
Carbazole		U	0.500	0.250	
Di-n-butylphthalate		U	0.500	0.250	
Bis(2-ethylhexyl) adipate		U	0.500	0.250	
Fluoranthene		U	0.500	0.250	
Pyrene		U	0.500	0.250	
Butylbenzylphthalate		U	0.500	0.250	
Benz[a]anthracene		U	0.500	0.250	
Chrysene		U	0.500	0.250	
bis(2-Ethylhexyl)phthalate		U	0.500	0.250	
Di-n-octylphthalate		U	0.500	0.250	
Benzo[b]fluoranthene		U	0.500	0.250	
Benzo[k]fluoranthene		U	0.500	0.250	
Benzo[a]pyrene		U	0.500	0.250	
Indeno[1,2,3-cd]pyrene		U	0.500	0.250	
Dibenz[a,h]anthracene		U	0.500	0.250	
Benzo[g,h,i]perylene		U	0.500	0.250	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Soil Blank

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	QC100617-SB		
File ID:	D070208.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	NA	Decanted:	None
Date Received:	NA		
Date Prepared:	6/17/2010	Sample Size (g):	4.00
Date Cleanup:	NA	Percent Solid:	100%
Date Analyzed:	7/2/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
Extraction Surrogate Recoveries (%)		Limits		
Toluene-d8	83	50 - 120		
4-Bromofluorobenzene	89	50 - 120		
2-Fluorophenol	90	50 - 120		
Phenol-d5	95	50 - 120		
Nitrobenzene-d5	89	50 - 120		
2-Fluorobiphenyl	81	50 - 120		
2,4,6-Tribromophenol	90	50 - 120		
p-Terphenyl-d14	74	50 - 120		

NA - Not applicable.
B - Analyte detected in the Blank.
J - Estimated value; detected between the RL and DL.
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Soil Blank Spike

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	QC100617-SBS		
File ID:	D070209.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	NA	Decanted:	None
Date Received:	NA		
Date Prepared:	6/17/2010	Sample Size (g):	4.00
Date Cleanup:	NA	Percent Solid:	100%
Date Analyzed:	7/2/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
VOC & SVOC COMPOUNDS:	Spike Amount				% Recovery
cis-1,2-Dichloroethene	13	5.49	0.500	0.250	44
2,2-Dichloropropane	13	7.63	0.500	0.250	61
Chloroform	13	5.8	0.500	0.250	46
1,1,1-Trichloroethane	13	7.64	0.500	0.250	61
1,2-Dichloroethane	13	9.86	0.500	0.250	79
1,1-Dichloropropene	13	7.96	0.500	0.250	64
Benzene	13	12.4	0.500	0.250	99
Carbon Tetrachloride	13	5.82	0.500	0.250	47
1,2-Dichloropropane	13	12.4	0.500	0.250	99
Trichloroethene	13	10.8	0.500	0.250	86
Dibromomethane	13	10.6	0.500	0.250	85
Bromodichloromethane	13	10.0	0.500	0.250	80
Pyridine	13	10.5	0.500	0.250	84
cis-1,3-Dichloropropene	13	10.9	0.500	0.250	87
N-nitrosodimethylamine	13	11.0	0.500	0.250	88
Toluene	13	12.7	0.500	0.250	102
trans-1,3-Dichloropropene	13	10.7	0.500	0.250	86
1,1,2-Trichloroethane	13	11.1	0.500	0.250	89
1,3-Dichloropropane	13	11.1	0.500	0.250	89
Dibromochloromethane	13	10.6	0.500	0.250	85
1,2-Dibromoethane	13	11.0	0.500	0.250	88
Tetrachloroethene	13	10.8	0.500	0.250	86
Chlorobenzene	13	11.2	0.500	0.250	90
1,1,1,2-Tetrachloroethane	13	10.7	0.500	0.250	86
Ethylbenzene	13	10.7	0.500	0.250	86
m/p-Xylenes	13	10.5	0.500	0.250	84
Bromoform	13	11.0	0.500	0.250	88
Styrene	13	10.9	0.500	0.250	87
o-Xylene	13	10.8	0.500	0.250	86
1,1,2,2-Tetrachloroethane	13	11.8	0.500	0.250	94
1,2,3-Trichloropropane	13	11.0	0.500	0.250	88
Isopropylbenzene	13	11.0	0.500	0.250	88
Bromobenzene	13	10.9	0.500	0.250	87
2-Chlorotoluene	13	11.4	0.500	0.250	91
n-Propylbenzene	13	11.1	0.500	0.250	89
4-Chlorotoluene	13	11.3	0.500	0.250	90
1,3,5-Trimethylbenzene	13	11.0	0.500	0.250	88
tert-Butylbenzene	13	10.7	0.500	0.250	86

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Soil Blank Spike

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	QC100617-SBS		
File ID:	D070209.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	NA	Decanted:	None
Date Received:	NA		
Date Prepared:	6/17/2010	Sample Size (g):	4.00
Date Cleanup:	NA	Percent Solid:	100%
Date Analyzed:	7/2/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
1,2,4-Trimethylbenzene	13	10.9	0.500	0.250	87
sec-Butylbenzene	13	10.6	0.500	0.250	85
Phenol	13	12.9	0.500	0.250	103
bis(2-Chloroethyl)ether	13	11.7	0.500	0.250	94
Aniline	13	13.4	0.500	0.250	107
2-Chlorophenol	13	11.4	0.500	0.250	91
1,3-Dichlorobenzene	25.0	20.6	0.500	0.250	82
1,4-Dichlorobenzene	25.0	20.0	0.500	0.250	80
p-Isopropyltoluene	13	10.8	0.500	0.250	86
Benzyl Alcohol	13	11.6	0.500	0.250	93
2-Methylphenol (m-cresol)	13	11.8	0.500	0.250	94
1,2-Dichlorobenzene	25.0	20.6	0.500	0.250	82
3,4-Methylphenol (o,p-cresol)	13	11.4	0.500	0.250	91
bis(2-chloroisopropyl)ether	13	11.5	0.500	0.250	92
n-Butylbenzene	13	11.0	0.500	0.250	88
N-nitroso-di-n-propylamine	13	11.1	0.500	0.250	89
Hexachloroethane	13	11.8	0.500	0.250	94
1,2-Dibromo-3-Chloropropane	13	10.5	0.500	0.250	84
Nitrobenzene	13	11.4	0.500	0.250	91
Isophorone	13	11.0	0.500	0.250	88
2-Nitrophenol	13	11.2	0.500	0.250	90
2,4-Dimethylphenol	13	11.8	0.500	0.250	94
bis(2-Chloroethoxy)methane	13	11.3	0.500	0.250	90
1,2,4-Trichlorobenzene	25.0	20.4	0.500	0.250	82
Naphthalene	25.0	20.0	0.500	0.250	80
2,4-Dichlorophenol	13	10.9	0.500	0.250	87
4-Chloroaniline	13	11.2	0.500	0.250	90
Hexachlorobutadiene	25.0	22.2	0.500	0.250	89
1,2,3-Trichlorobenzene	13	10.8	0.500	0.250	86
4-Chloro-3-methylphenol	13	10.8	0.500	0.250	86
2-Methylnaphthalene	13	10.0	0.500	0.250	80
1-Methylnaphthalene	13	10.7	0.500	0.250	86
Hexachlorocyclopentadiene	13	11.9	0.500	0.250	95
2,4,6-Trichlorophenol	13	11.2	0.500	0.250	90
2,4,5-Trichlorophenol	13	11.9	0.500	0.250	95
Diphenylamine	13	11.3	0.500	0.250	90
Azobenzene	13	10.8	0.500	0.250	86
2-Chloronaphthalene	13	11.2	0.500	0.250	90
2-Nitroaniline	13	11.1	0.500	0.250	89
1,4-Dinitrobenzene	13	12.3	0.500	0.250	98

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Soil Blank Spike

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	QC100617-SBS		
File ID:	D070209.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	NA	Decanted:	None
Date Received:	NA		
Date Prepared:	6/17/2010	Sample Size (g):	4.00
Date Cleanup:	NA	Percent Solid:	100%
Date Analyzed:	7/2/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
Dimethylphthalate	13	11.5	0.500	0.250	92
1,3-Dinitrobenzene	13	12.3	0.500	0.250	98
Acenaphthylene	13	11.1	0.500	0.250	89
2,6-dinitrotoluene	13	12.2	0.500	0.250	98
1,2-Dinitrobenzene	13	11.5	0.500	0.250	92
3-Nitroaniline	13	11.3	0.500	0.250	90
Acenaphthene	13	11.2	0.500	0.250	90
2,4-Dinitrophenol	13	7.61	0.500	0.250	61
4-Nitrophenol	13	11.0	0.500	0.250	88
Dibenzofuran	13	10.7	0.500	0.250	86
2,4-dinitrotoluene	13	12.0	0.500	0.250	96
2,3,4,6-Tetrachlorophenol	13	11.6	0.500	0.250	93
2,3,5,6-Tetrachlorophenol	13	11.7	0.500	0.250	94
Diethylphthalate	13	11.1	0.500	0.250	89
4-Chlorophenyl-phenylether	13	11.6	0.500	0.250	93
Fluorene	13	10.9	0.500	0.250	87
4-Nitroaniline	13	11.6	0.500	0.250	93
4,6-Dinitro-2-methylphenol	13	9.36	0.500	0.250	75
n-Nitrosodiphenylamine	13	11.2	0.500	0.250	90
4-Bromophenyl phenyl ether	13	11.5	0.500	0.250	92
Hexachlorobenzene	13	11.5	0.500	0.250	92
Pentachlorophenol	13	11.8	0.500	0.250	94
Phenanthrene	13	11.1	0.500	0.250	89
Anthracene	13	11.3	0.500	0.250	90
Carbazole	13	10.9	0.500	0.250	87
Di-n-butylphthalate	13	11.1	0.500	0.250	89
Bis(2-ethylhexyl) adipate	13	11.0	0.500	0.250	88
Fluoranthene	13	11.3	0.500	0.250	90
Pyrene	13	11.1	0.500	0.250	89
Butylbenzylphthalate	13	9.06	0.500	0.250	72
Benz[a]anthracene	13	9.0	0.500	0.250	72
Chrysene	13	9.02	0.500	0.250	72
bis(2-Ethylhexyl)phthalate	13	9.17	0.500	0.250	73
Di-n-octylphthalate	13	9.46	0.500	0.250	76
Benzo[b]fluoranthene	13	9.62	0.500	0.250	77
Benzo[k]fluoranthene	13	9.55	0.500	0.250	76
Benzo[a]pyrene	13	9.71	0.500	0.250	78
Indeno[1,2,3-cd]pyrene	13	9.2	0.500	0.250	74
Dibenz[a,h]anthracene	13	9.8	0.500	0.250	78
Benzo[g,h,i]perylene	13	9.63	0.500	0.250	77

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Soil Blank Spike

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	QC100617-SBS		
File ID:	D070209.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	NA	Decanted:	None
Date Received:	NA		
Date Prepared:	6/17/2010	Sample Size (g):	4.00
Date Cleanup:	NA	Percent Solid:	100%
Date Analyzed:	7/2/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
Extraction Surrogate Recoveries (%)		Limits		
Toluene-d8	85	50 - 120		
4-Bromofluorobenzene	87	50 - 120		
2-Fluorophenol	94	50 - 120		
Phenol-d5	86	50 - 120		
Nitrobenzene-d5	90	50 - 120		
2-Fluorobiphenyl	90	50 - 120		
2,4,6-Tribromophenol	99	50 - 120		
p-Terphenyl-d14	74	50 - 120		

NA - Not applicable.
B - Analyte detected in the Blank.
J - Estimated value; detected between the RL and DL.
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Matrix Spike of B17-1.0-1.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-06MS		
File ID:	D071638.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.44
Date Cleanup:	NA	Percent Solid:	73.9%
Date Analyzed:	7/17/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
VOC & SVOC COMPOUNDS:	Spike Amount				% Recovery
cis-1,2-Dichloroethene	15.2	4.56	0.610	0.305	30
2,2-Dichloropropane	15.2	7.67	0.610	0.305	50
Chloroform	15.2	5.07	0.610	0.305	33
1,1,1-Trichloroethane	15.2	7.58	0.610	0.305	50
1,2-Dichloroethane	15.2	11.1	0.610	0.305	73
1,1-Dichloropropene	15.2	7.28	0.610	0.305	48
Benzene	15.2	10.4	0.610	0.305	68
Carbon Tetrachloride	15.2	5.41	0.610	0.305	36
1,2-Dichloropropane	15.2	11.0	0.610	0.305	72
Trichloroethene	15.2	8.89	0.610	0.305	58
Dibromomethane	15.2	10.9	0.610	0.305	72
Bromodichloromethane	15.2	10.9	0.610	0.305	72
Pyridine	15.2	1.91	0.610	0.305	13
cis-1,3-Dichloropropene	15.2	11.6	0.610	0.305	76
N-nitrosodimethylamine	15.2	11.4	0.610	0.305	75
Toluene	15.2	10.6	0.610	0.305	70
trans-1,3-Dichloropropene	15.2	11.0	0.610	0.305	72
1,1,2-Trichloroethane	15.2	10.8	0.610	0.305	71
1,3-Dichloropropane	15.2	11.3	0.610	0.305	74
Dibromochloromethane	15.2	11.3	0.610	0.305	74
1,2-Dibromoethane	15.2	11.5	0.610	0.305	75
Tetrachloroethene	15.2	10.8	0.610	0.305	71
Chlorobenzene	15.2	11.7	0.610	0.305	75
1,1,1,2-Tetrachloroethane	15.2	11.5	0.610	0.305	75
Ethylbenzene	15.2	11.4	0.610	0.305	75
m/p-Xylenes	15.2	11.5	0.610	0.305	75
Bromoform	15.2	11.9	0.610	0.305	78
Styrene	15.2	11.7	0.610	0.305	77
o-Xylene	15.2	11.1	0.610	0.305	73
1,1,2,2-Tetrachloroethane	15.2	11.4	0.610	0.305	75
1,2,3-Trichloropropane	15.2	11.7	0.610	0.305	77
Isopropylbenzene	15.2	11.1	0.610	0.305	73
Bromobenzene	15.2	11.7	0.610	0.305	77
2-Chlorotoluene	15.2	11.8	0.610	0.305	77
n-Propylbenzene	15.2	11.2	0.610	0.305	73
4-Chlorotoluene	15.2	11.4	0.610	0.305	75
1,3,5-Trimethylbenzene	15.2	11.3	0.610	0.305	74
tert-Butylbenzene	15.2	11.0	0.610	0.305	72

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Matrix Spike of B17-1.0-1.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-06MS		
File ID:	D071638.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.44
Date Cleanup:	NA	Percent Solid:	73.9%
Date Analyzed:	7/17/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
1,2,4-Trimethylbenzene	30.5	10.9	0.610	0.305	36
sec-Butylbenzene	15.2	10.8	0.610	0.305	71
Phenol	15.2	11.2	0.610	0.305	73
bis(2-Chloroethyl)ether	15.2	11.5	0.610	0.305	75
Aniline	15.2	7.05	0.610	0.305	46
2-Chlorophenol	15.2	11.6	0.610	0.305	76
1,3-Dichlorobenzene	30.5	22.4	0.610	0.305	73
1,4-Dichlorobenzene	30.5	22.4	0.610	0.305	73
p-Isopropyltoluene	15.2	11.5	0.610	0.305	75
Benzyl Alcohol	15.2	12.0	0.610	0.305	79
2-Methylphenol (m-cresol)	15.2	11.5	0.610	0.305	75
1,2-Dichlorobenzene	30.5	22.3	0.610	0.305	73
3,4-Methylphenol (o,p-cresol)	15.2	11.2	0.610	0.305	73
bis(2-chloroisopropyl)ether	15.2	11.3	0.610	0.305	74
n-Butylbenzene	15.2	11.2	0.610	0.305	73
N-nitroso-di-n-propylamine	15.2	11.5	0.610	0.305	75
Hexachloroethane	15.2	11.4	0.610	0.305	75
1,2-Dibromo-3-Chloropropane	15.2	12.0	0.610	0.305	79
Nitrobenzene	15.2	11.7	0.610	0.305	77
Isophorone	15.2	11.7	0.610	0.305	77
2-Nitrophenol	15.2	11.9	0.610	0.305	78
2,4-Dimethylphenol	15.2	12.4	0.610	0.305	81
bis(2-Chloroethoxy)methane	15.2	12.0	0.610	0.305	79
1,2,4-Trichlorobenzene	15.2	23.2	0.610	0.305	152
Naphthalene	30.5	23.8	0.610	0.305	78
2,4-Dichlorophenol	15.2	11.8	0.610	0.305	77
4-Chloroaniline	15.2	9.34	0.610	0.305	61
Hexachlorobutadiene	30.5	22.8	0.610	0.305	75
1,2,3-Trichlorobenzene	15.2	11.7	0.610	0.305	77
4-Chloro-3-methylphenol	15.2	12.5	0.610	0.305	82
2-Methylnaphthalene	15.2	11.1	0.610	0.305	73
1-Methylnaphthalene	15.2	11.6	0.610	0.305	76
Hexachlorocyclopentadiene	15.2	8.77	0.610	0.305	58
2,4,6-Trichlorophenol	15.2	12.2	0.610	0.305	80
2,4,5-Trichlorophenol	15.2	11.8	0.610	0.305	77
Diphenylamine	15.2	11.0	0.610	0.305	72
Azobenzene	15.2	11.8	0.610	0.305	77
2-Chloronaphthalene	15.2	11.6	0.610	0.305	76
2-Nitroaniline	15.2	12.6	0.610	0.305	83
1,4-Dinitrobenzene	15.2	10.9	0.610	0.305	72

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Matrix Spike of B17-1.0-1.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-06MS		
File ID:	D071638.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.44
Date Cleanup:	NA	Percent Solid:	73.9%
Date Analyzed:	7/17/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
Dimethylphthalate	15.2	11.9	0.610	0.305	78
1,3-Dinitrobenzene	15.2	11.7	0.610	0.305	77
Acenaphthylene	15.2	10.8	0.610	0.305	71
2,6-dinitrotoluene	15.2	12.4	0.610	0.305	81
1,2-Dinitrobenzene	15.2	11.5	0.610	0.305	75
3-Nitroaniline	15.2	7.6	0.610	0.305	50
Acenaphthene	15.2	11.7	0.610	0.305	77
2,4-Dinitrophenol	15.2	7.33	0.610	0.305	48
4-Nitrophenol	15.2	10.6	0.610	0.305	70
Dibenzofuran	15.2	11.6	0.610	0.305	76
2,4-dinitrotoluene	15.2	13.0	0.610	0.305	85
2,3,4,6-Tetrachlorophenol	15.2	12.3	0.610	0.305	81
2,3,5,6-Tetrachlorophenol	15.2	12.2	0.610	0.305	80
Diethylphthalate	15.2	11.5	0.610	0.305	75
4-Chlorophenyl-phenylether	15.2	11.2	0.610	0.305	73
Fluorene	15.2	11.2	0.610	0.305	73
4-Nitroaniline	15.2	6.67	0.610	0.305	44
4,6-Dinitro-2-methylphenol	15.2	10.7	0.610	0.305	70
n-Nitrosodiphenylamine	15.2	10.9	0.610	0.305	72
4-Bromophenyl phenyl ether	15.2	11.9	0.610	0.305	78
Hexachlorobenzene	15.2	12.1	0.610	0.305	79
Pentachlorophenol	15.2	12.2	0.610	0.305	80
Phenanthrene	15.2	12.4	0.610	0.305	81
Anthracene	15.2	12.1	0.610	0.305	79
Carbazole	15.2	10.9	0.610	0.305	72
Di-n-butylphthalate	15.2	11.8	0.610	0.305	77
Bis(2-ethylhexyl) adipate	15.2	12.6	0.610	0.305	83
Fluoranthene	15.2	12.2	0.610	0.305	80
Pyrene	15.2	11.3	0.610	0.305	74
Butylbenzylphthalate	15.2	13.8	0.610	0.305	91
Benz[a]anthracene	15.2	12.6	0.610	0.305	83
Chrysene	15.2	11.6	0.610	0.305	76
bis(2-Ethylhexyl)phthalate	15.2	13.8	0.610	0.305	91
Di-n-octylphthalate	15.2	13.6	0.610	0.305	89
Benzo[b]fluoranthene	15.2	11.9	0.610	0.305	78
Benzo[k]fluoranthene	15.2	12.1	0.610	0.305	79
Benzo[a]pyrene	15.2	12.2	0.610	0.305	80
Indeno[1,2,3-cd]pyrene	15.2	12.4	0.610	0.305	81
Dibenz[a,h]anthracene	15.2	12.0	0.610	0.305	79
Benzo[g,h,i]perylene	15.2	12.0	0.610	0.305	79

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Matrix Spike of B17-1.0-1.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-06MS		
File ID:	D071638.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.44
Date Cleanup:	NA	Percent Solid:	73.9%
Date Analyzed:	7/17/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
Extraction Surrogate Recoveries (%)		Limits		
Toluene-d8	64	50 - 120		
4-Bromofluorobenzene	72	50 - 120		
2-Fluorophenol	75	50 - 120		
Phenol-d5	92	50 - 120		
Nitrobenzene-d5	79	50 - 120		
2-Fluorobiphenyl	75	50 - 120		
2,4,6-Tribromophenol	87	50 - 120		
p-Terphenyl-d14	82	50 - 120		

NA - Not applicable.
B - Analyte detected in the Blank.
J - Estimated value; detected between the RL and DL.
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Matrix Spike Duplicate of B17-1.0-1.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-06MSD		
File ID:	D071639.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.20
Date Cleanup:	NA	Percent Solid:	73.9%
Date Analyzed:	7/17/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments	
VOC & SVOC COMPOUNDS:	Spike Amount				% Recovery	RPD
cis-1,2-Dichloroethene	16.1	5.26	0.64	0.32	33	14.3
2,2-Dichloropropane	16.1	9.10	0.64	0.32	56	17.1
Chloroform	16.1	5.70	0.64	0.32	35	11.7
1,1,1-Trichloroethane	16.1	8.75	0.64	0.32	54	14.3
1,2-Dichloroethane	16.1	12.1	0.64	0.32	75	8.6
1,1-Dichloropropene	16.1	8.34	0.64	0.32	52	13.6
Benzene	16.1	11.5	0.64	0.32	71	10
Carbon Tetrachloride	16.1	6.39	0.64	0.32	40	16.6
1,2-Dichloropropane	16.1	12.0	0.64	0.32	74	8.7
Trichloroethene	16.1	10.2	0.64	0.32	63	13.7
Dibromomethane	16.1	12.1	0.64	0.32	75	10.4
Bromodichloromethane	16.1	12.2	0.64	0.32	76	11.3
Pyridine	16.1	12.1	0.64	0.32	75	145.5
cis-1,3-Dichloropropene	16.1	12.6	0.64	0.32	78	8.3
N-nitrosodimethylamine	16.1	11.6	0.64	0.32	72	1.7
Toluene	16.1	11.7	0.64	0.32	73	9.9
trans-1,3-Dichloropropene	16.1	12.3	0.64	0.32	76	11.2
1,1,2-Trichloroethane	16.1	11.8	0.64	0.32	73	8.8
1,3-Dichloropropane	16.1	12.3	0.64	0.32	76	8.5
Dibromochloromethane	16.1	12.6	0.64	0.32	78	10.9
1,2-Dibromoethane	16.1	12.8	0.64	0.32	79	10.7
Tetrachloroethene	16.1	11.9	0.64	0.32	74	9.7
Chlorobenzene	16.1	12.3	0.64	0.32	74	5
1,1,1,2-Tetrachloroethane	16.1	12.6	0.64	0.32	78	9.1
Ethylbenzene	16.1	12.6	0.64	0.32	78	10
m/p-Xylenes	16.1	12.8	0.64	0.32	79	10.7
Bromoform	16.1	13.1	0.64	0.32	81	9.6
Styrene	16.1	13.2	0.64	0.32	82	12
o-Xylene	16.1	12.5	0.64	0.32	78	11.9
1,1,2,2-Tetrachloroethane	16.1	12.6	0.64	0.32	78	10
1,2,3-Trichloropropane	16.1	12.7	0.64	0.32	79	8.2
Isopropylbenzene	16.1	12.3	0.64	0.32	76	10.3
Bromobenzene	16.1	12.7	0.64	0.32	79	8.2
2-Chlorotoluene	16.1	12.9	0.64	0.32	80	8.9
n-Propylbenzene	16.1	12.5	0.64	0.32	78	11
4-Chlorotoluene	16.1	12.5	0.64	0.32	78	9.2
1,3,5-Trimethylbenzene	16.1	12.6	0.64	0.32	78	10.9
tert-Butylbenzene	16.1	12.2	0.64	0.32	76	10.3

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Matrix Spike Duplicate of B17-1.0-1.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-06MSD		
File ID:	D071639.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.20
Date Cleanup:	NA	Percent Solid:	73.9%
Date Analyzed:	7/17/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments	
1,2,4-Trimethylbenzene	32.2	12.1	0.64	0.32	38	10.4
sec-Butylbenzene	16.1	12.1	0.64	0.32	75	11.4
Phenol	16.1	13.4	0.64	0.32	83	17.9
bis(2-Chloroethyl)ether	16.1	12.6	0.64	0.32	78	9.1
Aniline	16.1	11.4	0.64	0.32	71	47.2
2-Chlorophenol	16.1	12.7	0.64	0.32	79	9.1
1,3-Dichlorobenzene	32.2	24.9	0.64	0.32	77	10.6
1,4-Dichlorobenzene	32.2	25.0	0.64	0.32	78	11
p-Isopropyltoluene	16.1	12.7	0.64	0.32	79	9.9
Benzyl Alcohol	16.1	13.2	0.64	0.32	82	9.5
2-Methylphenol (m-cresol)	16.1	12.4	0.64	0.32	77	7.5
1,2-Dichlorobenzene	32.2	24.4	0.64	0.32	76	9
3,4-Methylphenol (o,p-cresol)	16.1	12.5	0.64	0.32	78	11
bis(2-chloroisopropyl)ether	16.1	12.5	0.64	0.32	78	10.1
n-Butylbenzene	16.1	12.5	0.64	0.32	78	11
N-nitroso-di-n-propylamine	16.1	12.7	0.64	0.32	79	9.9
Hexachloroethane	16.1	12.6	0.64	0.32	78	10
1,2-Dibromo-3-Chloropropane	16.1	12.6	0.64	0.32	78	4.9
Nitrobenzene	16.1	12.8	0.64	0.32	79	9
Isophorone	16.1	12.8	0.64	0.32	79	9
2-Nitrophenol	16.1	12.9	0.64	0.32	80	8.1
2,4-Dimethylphenol	16.1	12.6	0.64	0.32	78	1.6
bis(2-Chloroethoxy)methane	16.1	13.0	0.64	0.32	81	8
1,2,4-Trichlorobenzene	16.1	24.9	0.64	0.32	155	7.1
Naphthalene	32.2	25.6	0.64	0.32	79	7.3
2,4-Dichlorophenol	16.1	12.9	0.64	0.32	80	8.9
4-Chloroaniline	16.1	12.2	0.64	0.32	76	26.6
Hexachlorobutadiene	32.2	24.5	0.64	0.32	76	7.2
1,2,3-Trichlorobenzene	16.1	12.7	0.64	0.32	79	8.2
4-Chloro-3-methylphenol	16.1	13.3	0.64	0.32	83	6.2
2-Methylnaphthalene	16.1	11.9	0.64	0.32	74	7
1-Methylnaphthalene	16.1	12.5	0.64	0.32	78	7.5
Hexachlorocyclopentadiene	16.1	10.9	0.64	0.32	68	21.7
2,4,6-Trichlorophenol	16.1	13.3	0.64	0.32	83	8.6
2,4,5-Trichlorophenol	16.1	13.7	0.64	0.32	85	14.9
Diphenylamine	16.1	12.9	0.64	0.32	80	15.9
Azobenzene	16.1	13.2	0.64	0.32	82	11.2
2-Chloronaphthalene	16.1	12.8	0.64	0.32	79	9.8
2-Nitroaniline	16.1	14.1	0.64	0.32	88	11.2
1,4-Dinitrobenzene	16.1	14.5	0.64	0.32	90	28.3

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Matrix Spike Duplicate of B17-1.0-1.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-06MSD		
File ID:	D071639.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.20
Date Cleanup:	NA	Percent Solid:	73.9%
Date Analyzed:	7/17/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments	
Dimethylphthalate	16.1	13.2	0.64	0.32	82	10.4
1,3-Dinitrobenzene	16.1	13.9	0.64	0.32	86	17.2
Acenaphthylene	16.1	12.4	0.64	0.32	77	13.8
2,6-dinitrotoluene	16.1	13.8	0.64	0.32	86	10.7
1,2-Dinitrobenzene	16.1	14.2	0.64	0.32	88	21
3-Nitroaniline	16.1	12.2	0.64	0.32	76	46.5
Acenaphthene	16.1	12.8	0.64	0.32	79	9
2,4-Dinitrophenol	16.1	11.4	0.64	0.32	71	43.5
4-Nitrophenol	16.1	13.4	0.64	0.32	83	23.3
Dibenzofuran	16.1	12.8	0.64	0.32	79	9.8
2,4-dinitrotoluene	16.1	14.6	0.64	0.32	91	11.6
2,3,4,6-Tetrachlorophenol	16.1	13.6	0.64	0.32	84	10
2,3,5,6-Tetrachlorophenol	16.1	13.5	0.64	0.32	84	10.1
Diethylphthalate	16.1	13.1	0.64	0.32	81	13
4-Chlorophenyl-phenylether	16.1	12.5	0.64	0.32	78	11
Fluorene	16.1	12.7	0.64	0.32	79	12.6
4-Nitroaniline	16.1	11.2	0.64	0.32	70	50.7
4,6-Dinitro-2-methylphenol	16.1	14.0	0.64	0.32	87	26.7
n-Nitrosodiphenylamine	16.1	12.5	0.64	0.32	78	13.7
4-Bromophenyl phenyl ether	16.1	12.9	0.64	0.32	80	8.1
Hexachlorobenzene	16.1	12.9	0.64	0.32	80	6.4
Pentachlorophenol	16.1	13.6	0.64	0.32	84	10.9
Phenanthrene	16.1	13.4	0.64	0.32	83	7.8
Anthracene	16.1	13.4	0.64	0.32	83	10.2
Carbazole	16.1	11.8	0.64	0.32	73	7.9
Di-n-butylphthalate	16.1	12.9	0.64	0.32	80	8.9
Bis(2-ethylhexyl) adipate	16.1	13.4	0.64	0.32	83	6.2
Fluoranthene	16.1	13.3	0.64	0.32	83	8.6
Pyrene	16.1	13.1	0.64	0.32	81	14.8
Butylbenzylphthalate	16.1	15.1	0.64	0.32	94	9
Benz[a]anthracene	16.1	13.4	0.64	0.32	83	6.2
Chrysene	16.1	12.8	0.64	0.32	79	9.8
bis(2-Ethylhexyl)phthalate	16.1	15.2	0.64	0.32	94	9.7
Di-n-octylphthalate	16.1	14.6	0.64	0.32	91	7.1
Benzo[b]fluoranthene	16.1	12.2	0.64	0.32	76	2.5
Benzo[k]fluoranthene	16.1	13.2	0.64	0.32	82	8.7
Benzo[a]pyrene	16.1	13.0	0.64	0.32	81	6.3
Indeno[1,2,3-cd]pyrene	16.1	13.4	0.64	0.32	83	7.8
Dibenz[a,h]anthracene	16.1	12.6	0.64	0.32	78	4.9
Benzo[g,h,i]perylene	16.1	12.7	0.64	0.32	79	5.7

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Matrix Spike Duplicate of B17-1.0-1.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-06MSD		
File ID:	D071639.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.20
Date Cleanup:	NA	Percent Solid:	73.9%
Date Analyzed:	7/17/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
Extraction Surrogate Recoveries (%)		Limits		
Toluene-d8	68	50 - 120		
4-Bromofluorobenzene	76	50 - 120		
2-Fluorophenol	80	50 - 120		
Phenol-d5	97	50 - 120		
Nitrobenzene-d5	81	50 - 120		
2-Fluorobiphenyl	80	50 - 120		
2,4,6-Tribromophenol	88	50 - 120		
p-Terphenyl-d14	85	50 - 120		

NA - Not applicable.
B - Analyte detected in the Blank.
J - Estimated value; detected between the RL and DL.
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Duplicate of CD-05-0-0.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-01DUP		
File ID:	D071668.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.09
Date Cleanup:	NA	Percent Solid:	69.3%
Date Analyzed:	7/19/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
VOC & SVOC COMPOUNDS:					RPD
cis-1,2-Dichloroethene		U	0.706	0.353	NA
2,2-Dichloropropane		U	0.706	0.353	NA
Chloroform		U	0.706	0.353	NA
1,1,1-Trichloroethane		U	0.706	0.353	NA
1,2-Dichloroethane		U	0.706	0.353	NA
1,1-Dichloropropene		U	0.706	0.353	NA
Benzene		U	0.706	0.353	NA
Carbon Tetrachloride		U	0.706	0.353	NA
1,2-Dichloropropane		U	0.706	0.353	NA
Trichloroethene		U	0.706	0.353	NA
Dibromomethane		U	0.706	0.353	NA
Bromodichloromethane		U	0.706	0.353	NA
Pyridine		U	0.706	0.353	NA
cis-1,3-Dichloropropene		U	0.706	0.353	NA
N-nitrosodimethylamine		U	0.706	0.353	NA
Toluene		U	0.706	0.353	NA
trans-1,3-Dichloropropene		U	0.706	0.353	NA
1,1,2-Trichloroethane		U	0.706	0.353	NA
1,3-Dichloropropane		U	0.706	0.353	NA
Dibromochloromethane		U	0.706	0.353	NA
1,2-Dibromoethane		U	0.706	0.353	NA
Tetrachloroethene		U	0.706	0.353	NA
Chlorobenzene		U	0.706	0.353	NA
1,1,1,2-Tetrachloroethane		U	0.706	0.353	NA
Ethylbenzene		U	0.706	0.353	NA
m/p-Xylenes	0.800		0.706	0.353	49.6
Bromoform		U	0.706	0.353	NA
Styrene		U	0.706	0.353	NA
o-Xylene		U	0.706	0.353	NA
1,1,2,2-Tetrachloroethane		U	0.706	0.353	NA
1,2,3-Trichloropropane		U	0.706	0.353	NA
Isopropylbenzene		U	0.706	0.353	NA
Bromobenzene		U	0.706	0.353	NA
2-Chlorotoluene		U	0.706	0.353	NA
n-Propylbenzene		U	0.706	0.353	NA
4-Chlorotoluene		U	0.706	0.353	NA
1,3,5-Trimethylbenzene		U	0.706	0.353	NA
tert-Butylbenzene		U	0.706	0.353	NA

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Duplicate of CD-05-0-0.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-01DUP		
File ID:	D071668.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.09
Date Cleanup:	NA	Percent Solid:	69.3%
Date Analyzed:	7/19/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
1,2,4-Trimethylbenzene		U	0.706	0.353	NA
sec-Butylbenzene		U	0.706	0.353	NA
Phenol		U	0.706	0.353	NA
bis(2-Chloroethyl)ether		U	0.706	0.353	NA
Aniline		U	0.706	0.353	NA
2-Chlorophenol		U	0.706	0.353	NA
1,3-Dichlorobenzene		U	0.706	0.353	NA
1,4-Dichlorobenzene		U	0.706	0.353	NA
p-Isopropyltoluene		U	0.706	0.353	NA
Benzyl Alcohol		U	0.706	0.353	NA
2-Methylphenol (m-cresol)		U	0.706	0.353	NA
1,2-Dichlorobenzene		U	0.706	0.353	NA
3,4-Methylphenol (o,p-cresol)		U	0.706	0.353	NA
bis(2-chloroisopropyl)ether		U	0.706	0.353	NA
n-Butylbenzene		U	0.706	0.353	NA
N-nitroso-di-n-propylamine		U	0.706	0.353	NA
Hexachloroethane		U	0.706	0.353	NA
1,2-Dibromo-3-Chloropropane		U	0.706	0.353	NA
Nitrobenzene		U	0.706	0.353	NA
Isophorone		U	0.706	0.353	NA
2-Nitrophenol		U	0.706	0.353	NA
2,4-Dimethylphenol		U	0.706	0.353	NA
bis(2-Chloroethoxy)methane		U	0.706	0.353	NA
1,2,4-Trichlorobenzene		U	0.706	0.353	NA
Naphthalene		U	0.706	0.353	NA
2,4-Dichlorophenol		U	0.706	0.353	NA
4-Chloroaniline		U	0.706	0.353	NA
Hexachlorobutadiene		U	0.706	0.353	NA
1,2,3-Trichlorobenzene		U	0.706	0.353	NA
4-Chloro-3-methylphenol		U	0.706	0.353	NA
2-Methylnaphthalene		U	0.706	0.353	NA
1-Methylnaphthalene		U	0.706	0.353	NA
Hexachlorocyclopentadiene		U	0.706	0.353	NA
2,4,6-Trichlorophenol		U	0.706	0.353	NA
2,4,5-Trichlorophenol		U	0.706	0.353	NA
Diphenylamine		U	0.706	0.353	NA
Azobenzene		U	0.706	0.353	NA
2-Chloronaphthalene		U	0.706	0.353	NA
2-Nitroaniline		U	0.706	0.353	NA
1,4-Dinitrobenzene		U	0.706	0.353	NA

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Duplicate of CD-05-0-0.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-01DUP		
File ID:	D071668.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.09
Date Cleanup:	NA	Percent Solid:	69.3%
Date Analyzed:	7/19/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
Dimethylphthalate		U	0.706	0.353	NA
1,3-Dinitrobenzene		U	0.706	0.353	NA
Acenaphthylene		U	0.706	0.353	NA
2,6-dinitrotoluene		U	0.706	0.353	NA
1,2-Dinitrobenzene		U	0.706	0.353	NA
3-Nitroaniline		U	0.706	0.353	NA
Acenaphthene		U	0.706	0.353	NA
2,4-Dinitrophenol		U	0.706	0.353	NA
4-Nitrophenol		U	0.706	0.353	NA
Dibenzofuran		U	0.706	0.353	NA
2,4-dinitrotoluene		U	0.706	0.353	NA
2,3,4,6-Tetrachlorophenol		U	0.706	0.353	NA
2,3,5,6-Tetrachlorophenol		U	0.706	0.353	NA
Diethylphthalate		U	0.706	0.353	NA
4-Chlorophenyl-phenylether		U	0.706	0.353	NA
Fluorene		U	0.706	0.353	NA
4-Nitroaniline		U	0.706	0.353	NA
4,6-Dinitro-2-methylphenol		U	0.706	0.353	NA
n-Nitrosodiphenylamine		U	0.706	0.353	NA
4-Bromophenyl phenyl ether		U	0.706	0.353	NA
Hexachlorobenzene		U	0.706	0.353	NA
Pentachlorophenol		U	0.706	0.353	NA
Phenanthrene		U	0.706	0.353	NA
Anthracene		U	0.706	0.353	NA
Carbazole		U	0.706	0.353	NA
Di-n-butylphthalate		U	0.706	0.353	NA
Bis(2-ethylhexyl) adipate		U	0.706	0.353	NA
Fluoranthene		U	0.706	0.353	NA
Pyrene		U	0.706	0.353	NA
Butylbenzylphthalate		U	0.706	0.353	NA
Benz[a]anthracene		U	0.706	0.353	NA
Chrysene		U	0.706	0.353	NA
bis(2-Ethylhexyl)phthalate	18.8		0.706	0.353	12.9
Di-n-octylphthalate	0.892		0.706	0.353	57.4
Benzo[b]fluoranthene		U	0.706	0.353	NA
Benzo[k]fluoranthene		U	0.706	0.353	NA
Benzo[a]pyrene		U	0.706	0.353	NA
Indeno[1,2,3-cd]pyrene		U	0.706	0.353	NA
Dibenz[a,h]anthracene		U	0.706	0.353	NA
Benzo[g,h,i]perylene		U	0.706	0.353	NA

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Duplicate of CD-05-0-0.5

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-01DUP		
File ID:	D071668.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Size (g):	4.09
Date Cleanup:	NA	Percent Solid:	69.3%
Date Analyzed:	7/19/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
Extraction Surrogate Recoveries (%)		Limits		
Toluene-d8	69	50 - 120		
4-Bromofluorobenzene	85	50 - 120		
2-Fluorophenol	82	50 - 120		
Phenol-d5	107	50 - 120		
Nitrobenzene-d5	86	50 - 120		
2-Fluorobiphenyl	76	50 - 120		
2,4,6-Tribromophenol	94	50 - 120		
p-Terphenyl-d14	80	50 - 120		

NA - Not applicable.
B - Analyte detected in the Blank.
J - Estimated value; detected between the RL and DL.
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: HD-12(2-2.5)

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100703-02		
File ID:	D072215.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	7/2/2010	Decanted:	None
Date Received:	7/3/2010		
Date Prepared:	7/9/2010	Sample Size (g):	4.55
Date Cleanup:	NA	Percent Solid:	84%
Date Analyzed:	7/22/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100709-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
VOC & SVOC COMPOUNDS:					
cis-1,2-Dichloroethene		U	0.525	0.262	
2,2-Dichloropropane		U	0.525	0.262	
Chloroform		U	0.525	0.262	
1,1,1-Trichloroethane		U	0.525	0.262	
1,2-Dichloroethane		U	0.525	0.262	
1,1-Dichloropropene		U	0.525	0.262	
Benzene		U	0.525	0.262	
Carbon Tetrachloride		U	0.525	0.262	
1,2-Dichloropropane		U	0.525	0.262	
Trichloroethene		U	0.525	0.262	
Dibromomethane		U	0.525	0.262	
Bromodichloromethane		U	0.525	0.262	
Pyridine		U	0.525	0.262	
cis-1,3-Dichloropropene		U	0.525	0.262	
N-nitrosodimethylamine		U	0.525	0.262	
Toluene		U	0.525	0.262	
trans-1,3-Dichloropropene		U	0.525	0.262	
1,1,2-Trichloroethane		U	0.525	0.262	
1,3-Dichloropropane		U	0.525	0.262	
Dibromochloromethane		U	0.525	0.262	
1,2-Dibromoethane		U	0.525	0.262	
Tetrachloroethene		U	0.525	0.262	
Chlorobenzene		U	0.525	0.262	
1,1,1,2-Tetrachloroethane		U	0.525	0.262	
Ethylbenzene		U	0.525	0.262	
m/p-Xylenes		U	0.525	0.262	
Bromoform		U	0.525	0.262	
Styrene		U	0.525	0.262	
o-Xylene		U	0.525	0.262	
1,1,2,2-Tetrachloroethane		U	0.525	0.262	
1,2,3-Trichloropropane		U	0.525	0.262	
Isopropylbenzene		U	0.525	0.262	
Bromobenzene		U	0.525	0.262	
2-Chlorotoluene		U	0.525	0.262	
n-Propylbenzene		U	0.525	0.262	
4-Chlorotoluene		U	0.525	0.262	
1,3,5-Trimethylbenzene		U	0.525	0.262	
tert-Butylbenzene		U	0.525	0.262	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: HD-12(2-2.5)

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100703-02		
File ID:	D072215.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	7/2/2010	Decanted:	None
Date Received:	7/3/2010		
Date Prepared:	7/9/2010	Sample Size (g):	4.55
Date Cleanup:	NA	Percent Solid:	84%
Date Analyzed:	7/22/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100709-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
1,2,4-Trimethylbenzene		U	0.525	0.262	
sec-Butylbenzene		U	0.525	0.262	
Phenol		U	0.525	0.262	
bis(2-Chloroethyl)ether		U	0.525	0.262	
Aniline		U	0.525	0.262	
2-Chlorophenol		U	0.525	0.262	
1,3-Dichlorobenzene		U	0.525	0.262	
1,4-Dichlorobenzene		U	0.525	0.262	
p-Isopropyltoluene		U	0.525	0.262	
Benzyl Alcohol		U	0.525	0.262	
2-Methylphenol (m-cresol)		U	0.525	0.262	
1,2-Dichlorobenzene		U	0.525	0.262	
3,4-Methylphenol (o,p-cresol)		U	0.525	0.262	
bis(2-chloroisopropyl)ether		U	0.525	0.262	
n-Butylbenzene		U	0.525	0.262	
N-nitroso-di-n-propylamine		U	0.525	0.262	
Hexachloroethane		U	0.525	0.262	
1,2-Dibromo-3-Chloropropane		U	0.525	0.262	
Nitrobenzene		U	0.525	0.262	
Isophorone		U	0.525	0.262	
2-Nitrophenol		U	0.525	0.262	
2,4-Dimethylphenol		U	0.525	0.262	
bis(2-Chloroethoxy)methane		U	0.525	0.262	
1,2,4-Trichlorobenzene		U	0.525	0.262	
Naphthalene		U	0.525	0.262	
2,4-Dichlorophenol		U	0.525	0.262	
4-Chloroaniline		U	0.525	0.262	
Hexachlorobutadiene		U	0.525	0.262	
1,2,3-Trichlorobenzene		U	0.525	0.262	
4-Chloro-3-methylphenol		U	0.525	0.262	
2-Methylnaphthalene		U	0.525	0.262	
1-Methylnaphthalene		U	0.525	0.262	
Hexachlorocyclopentadiene		U	0.525	0.262	
2,4,6-Trichlorophenol		U	0.525	0.262	
2,4,5-Trichlorophenol		U	0.525	0.262	
Diphenylamine		U	0.525	0.262	
Azobenzene		U	0.525	0.262	
2-Chloronaphthalene		U	0.525	0.262	
2-Nitroaniline		U	0.525	0.262	
1,4-Dinitrobenzene		U	0.525	0.262	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: HD-12(2-2.5)

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100703-02		
File ID:	D072215.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	7/2/2010	Decanted:	None
Date Received:	7/3/2010		
Date Prepared:	7/9/2010	Sample Size (g):	4.55
Date Cleanup:	NA	Percent Solid:	84%
Date Analyzed:	7/22/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100709-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
Dimethylphthalate		U	0.525	0.262	
1,3-Dinitrobenzene		U	0.525	0.262	
Acenaphthylene		U	0.525	0.262	
2,6-dinitrotoluene		U	0.525	0.262	
1,2-Dinitrobenzene		U	0.525	0.262	
3-Nitroaniline		U	0.525	0.262	
Acenaphthene		U	0.525	0.262	
2,4-Dinitrophenol		U	0.525	0.262	
4-Nitrophenol		U	0.525	0.262	
Dibenzofuran		U	0.525	0.262	
2,4-dinitrotoluene		U	0.525	0.262	
2,3,4,6-Tetrachlorophenol		U	0.525	0.262	
2,3,5,6-Tetrachlorophenol		U	0.525	0.262	
Diethylphthalate		U	0.525	0.262	
4-Chlorophenyl-phenylether		U	0.525	0.262	
Fluorene		U	0.525	0.262	
4-Nitroaniline		U	0.525	0.262	
4,6-Dinitro-2-methylphenol		U	0.525	0.262	
n-Nitrosodiphenylamine		U	0.525	0.262	
4-Bromophenyl phenyl ether		U	0.525	0.262	
Hexachlorobenzene		U	0.525	0.262	
Pentachlorophenol		U	0.525	0.262	
Phenanthrene		U	0.525	0.262	
Anthracene		U	0.525	0.262	
Carbazole		U	0.525	0.262	
Di-n-butylphthalate		U	0.525	0.262	
Bis(2-ethylhexyl) adipate		U	0.525	0.262	
Fluoranthene		U	0.525	0.262	
Pyrene		U	0.525	0.262	
Butylbenzylphthalate		U	0.525	0.262	
Benz[a]anthracene		U	0.525	0.262	
Chrysene		U	0.525	0.262	
bis(2-Ethylhexyl)phthalate	15.0		0.525	0.262	
Di-n-octylphthalate	0.718		0.525	0.262	
Benzo[b]fluoranthene		U	0.525	0.262	
Benzo[k]fluoranthene		U	0.525	0.262	
Benzo[a]pyrene		U	0.525	0.262	
Indeno[1,2,3-cd]pyrene		U	0.525	0.262	
Dibenz[a,h]anthracene		U	0.525	0.262	
Benzo[g,h,i]perylene		U	0.525	0.262	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: HD-12(2-2.5)

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100703-02		
File ID:	D072215.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	7/2/2010	Decanted:	None
Date Received:	7/3/2010		
Date Prepared:	7/9/2010	Sample Size (g):	4.55
Date Cleanup:	NA	Percent Solid:	84%
Date Analyzed:	7/22/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100709-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
Extraction Surrogate Recoveries (%)		Limits		
Toluene-d8	61	50 - 120		
4-Bromofluorobenzene	76	50 - 120		
2-Fluorophenol	75	50 - 120		
Phenol-d5	100	50 - 120		
Nitrobenzene-d5	78	50 - 120		
2-Fluorobiphenyl	71	50 - 120		
2,4,6-Tribromophenol	81	50 - 120		
p-Terphenyl-d14	76	50 - 120		

NA - Not applicable.
B - Analyte detected in the Blank.
J - Estimated value; detected between the RL and DL.
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: HD-12(0-0.5)

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100703-01		
File ID:	D072213.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	7/2/2010	Decanted:	None
Date Received:	7/3/2010		
Date Prepared:	7/9/2010	Sample Size (g):	3.97
Date Cleanup:	NA	Percent Solid:	66%
Date Analyzed:	7/22/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100709-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
VOC & SVOC COMPOUNDS:					
cis-1,2-Dichloroethene		U	0.758	0.379	
2,2-Dichloropropane		U	0.758	0.379	
Chloroform		U	0.758	0.379	
1,1,1-Trichloroethane		U	0.758	0.379	
1,2-Dichloroethane		U	0.758	0.379	
1,1-Dichloropropene		U	0.758	0.379	
Benzene		U	0.758	0.379	
Carbon Tetrachloride		U	0.758	0.379	
1,2-Dichloropropane		U	0.758	0.379	
Trichloroethene		U	0.758	0.379	
Dibromomethane		U	0.758	0.379	
Bromodichloromethane		U	0.758	0.379	
Pyridine		U	0.758	0.379	
cis-1,3-Dichloropropene		U	0.758	0.379	
N-nitrosodimethylamine		U	0.758	0.379	
Toluene		U	0.758	0.379	
trans-1,3-Dichloropropene		U	0.758	0.379	
1,1,2-Trichloroethane		U	0.758	0.379	
1,3-Dichloropropane		U	0.758	0.379	
Dibromochloromethane		U	0.758	0.379	
1,2-Dibromoethane		U	0.758	0.379	
Tetrachloroethene		U	0.758	0.379	
Chlorobenzene		U	0.758	0.379	
1,1,1,2-Tetrachloroethane		U	0.758	0.379	
Ethylbenzene		U	0.758	0.379	
m/p-Xylenes	0.970		0.758	0.379	
Bromoform		U	0.758	0.379	
Styrene		U	0.758	0.379	
o-Xylene		U	0.758	0.379	
1,1,2,2-Tetrachloroethane		U	0.758	0.379	
1,2,3-Trichloropropane		U	0.758	0.379	
Isopropylbenzene		U	0.758	0.379	
Bromobenzene		U	0.758	0.379	
2-Chlorotoluene		U	0.758	0.379	
n-Propylbenzene		U	0.758	0.379	
4-Chlorotoluene		U	0.758	0.379	
1,3,5-Trimethylbenzene		U	0.758	0.379	
tert-Butylbenzene		U	0.758	0.379	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: HD-12(0-0.5)

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100703-01		
File ID:	D072213.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	7/2/2010	Decanted:	None
Date Received:	7/3/2010		
Date Prepared:	7/9/2010	Sample Size (g):	3.97
Date Cleanup:	NA	Percent Solid:	66%
Date Analyzed:	7/22/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100709-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
1,2,4-Trimethylbenzene		U	0.758	0.379	
sec-Butylbenzene		U	0.758	0.379	
Phenol		U	0.758	0.379	
bis(2-Chloroethyl)ether		U	0.758	0.379	
Aniline		U	0.758	0.379	
2-Chlorophenol		U	0.758	0.379	
1,3-Dichlorobenzene		U	0.758	0.379	
1,4-Dichlorobenzene		U	0.758	0.379	
p-Isopropyltoluene		U	0.758	0.379	
Benzyl Alcohol		U	0.758	0.379	
2-Methylphenol (m-cresol)		U	0.758	0.379	
1,2-Dichlorobenzene		U	0.758	0.379	
3,4-Methylphenol (o,p-cresol)		U	0.758	0.379	
bis(2-chloroisopropyl)ether		U	0.758	0.379	
n-Butylbenzene		U	0.758	0.379	
N-nitroso-di-n-propylamine		U	0.758	0.379	
Hexachloroethane		U	0.758	0.379	
1,2-Dibromo-3-Chloropropane		U	0.758	0.379	
Nitrobenzene		U	0.758	0.379	
Isophorone		U	0.758	0.379	
2-Nitrophenol		U	0.758	0.379	
2,4-Dimethylphenol		U	0.758	0.379	
bis(2-Chloroethoxy)methane		U	0.758	0.379	
1,2,4-Trichlorobenzene		U	0.758	0.379	
Naphthalene		U	0.758	0.379	
2,4-Dichlorophenol		U	0.758	0.379	
4-Chloroaniline		U	0.758	0.379	
Hexachlorobutadiene		U	0.758	0.379	
1,2,3-Trichlorobenzene		U	0.758	0.379	
4-Chloro-3-methylphenol		U	0.758	0.379	
2-Methylnaphthalene		U	0.758	0.379	
1-Methylnaphthalene		U	0.758	0.379	
Hexachlorocyclopentadiene		U	0.758	0.379	
2,4,6-Trichlorophenol		U	0.758	0.379	
2,4,5-Trichlorophenol		U	0.758	0.379	
Diphenylamine		U	0.758	0.379	
Azobenzene		U	0.758	0.379	
2-Chloronaphthalene		U	0.758	0.379	
2-Nitroaniline		U	0.758	0.379	
1,4-Dinitrobenzene		U	0.758	0.379	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: HD-12(0-0.5)

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100703-01		
File ID:	D072213.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	7/2/2010	Decanted:	None
Date Received:	7/3/2010		
Date Prepared:	7/9/2010	Sample Size (g):	3.97
Date Cleanup:	NA	Percent Solid:	66%
Date Analyzed:	7/22/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100709-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
Dimethylphthalate	U	0.758	0.379	
1,3-Dinitrobenzene	U	0.758	0.379	
Acenaphthylene	U	0.758	0.379	
2,6-dinitrotoluene	U	0.758	0.379	
1,2-Dinitrobenzene	U	0.758	0.379	
3-Nitroaniline	U	0.758	0.379	
Acenaphthene	U	0.758	0.379	
2,4-Dinitrophenol	U	0.758	0.379	
4-Nitrophenol	U	0.758	0.379	
Dibenzofuran	U	0.758	0.379	
2,4-dinitrotoluene	U	0.758	0.379	
2,3,4,6-Tetrachlorophenol	U	0.758	0.379	
2,3,5,6-Tetrachlorophenol	U	0.758	0.379	
Diethylphthalate	U	0.758	0.379	
4-Chlorophenyl-phenylether	U	0.758	0.379	
Fluorene	U	0.758	0.379	
4-Nitroaniline	U	0.758	0.379	
4,6-Dinitro-2-methylphenol	U	0.758	0.379	
n-Nitrosodiphenylamine	U	0.758	0.379	
4-Bromophenyl phenyl ether	U	0.758	0.379	
Hexachlorobenzene	U	0.758	0.379	
Pentachlorophenol	U	0.758	0.379	
Phenanthrene	0.404 J	0.758	0.379	
Anthracene	U	0.758	0.379	
Carbazole	U	0.758	0.379	
Di-n-butylphthalate	U	0.758	0.379	
Bis(2-ethylhexyl) adipate	U	0.758	0.379	
Fluoranthene	0.628 J	0.758	0.379	
Pyrene	0.565 J	0.758	0.379	
Butylbenzylphthalate	U	0.758	0.379	
Benz[a]anthracene	U	0.758	0.379	
Chrysene	0.393 J	0.758	0.379	
bis(2-Ethylhexyl)phthalate	32.0	0.758	0.379	
Di-n-octylphthalate	2.28	0.758	0.379	
Benzo[b]fluoranthene	0.438 J	0.758	0.379	
Benzo[k]fluoranthene	U	0.758	0.379	
Benzo[a]pyrene	U	0.758	0.379	
Indeno[1,2,3-cd]pyrene	U	0.758	0.379	
Dibenz[a,h]anthracene	U	0.758	0.379	
Benzo[g,h,i]perylene	U	0.758	0.379	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: HD-12(0-0.5)

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100703-01		
File ID:	D072213.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	7/2/2010	Decanted:	None
Date Received:	7/3/2010		
Date Prepared:	7/9/2010	Sample Size (g):	3.97
Date Cleanup:	NA	Percent Solid:	66%
Date Analyzed:	7/22/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100709-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
Extraction Surrogate Recoveries (%)		Limits		
Toluene-d8	61	50 - 120		
4-Bromofluorobenzene	78	50 - 120		
2-Fluorophenol	75	50 - 120		
Phenol-d5	100	50 - 120		
Nitrobenzene-d5	80	50 - 120		
2-Fluorobiphenyl	73	50 - 120		
2,4,6-Tribromophenol	85	50 - 120		
p-Terphenyl-d14	78	50 - 120		

NA - Not applicable.
B - Analyte detected in the Blank.
J - Estimated value; detected between the RL and DL.
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: HD-11(0-0.5)

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100703-03		
File ID:	D072218.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	7/2/2010	Decanted:	None
Date Received:	7/3/2010		
Date Prepared:	7/9/2010	Sample Size (g):	4.14
Date Cleanup:	NA	Percent Solid:	78%
Date Analyzed:	7/23/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100709-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
VOC & SVOC COMPOUNDS:					
cis-1,2-Dichloroethene		U	0.619	0.310	
2,2-Dichloropropane		U	0.619	0.310	
Chloroform		U	0.619	0.310	
1,1,1-Trichloroethane		U	0.619	0.310	
1,2-Dichloroethane		U	0.619	0.310	
1,1-Dichloropropene		U	0.619	0.310	
Benzene		U	0.619	0.310	
Carbon Tetrachloride		U	0.619	0.310	
1,2-Dichloropropane		U	0.619	0.310	
Trichloroethene		U	0.619	0.310	
Dibromomethane		U	0.619	0.310	
Bromodichloromethane		U	0.619	0.310	
Pyridine		U	0.619	0.310	
cis-1,3-Dichloropropene		U	0.619	0.310	
N-nitrosodimethylamine		U	0.619	0.310	
Toluene		U	0.619	0.310	
trans-1,3-Dichloropropene		U	0.619	0.310	
1,1,2-Trichloroethane		U	0.619	0.310	
1,3-Dichloropropane		U	0.619	0.310	
Dibromochloromethane		U	0.619	0.310	
1,2-Dibromoethane		U	0.619	0.310	
Tetrachloroethene		U	0.619	0.310	
Chlorobenzene		U	0.619	0.310	
1,1,1,2-Tetrachloroethane		U	0.619	0.310	
Ethylbenzene		U	0.619	0.310	
m/p-Xylenes		U	0.619	0.310	
Bromoform		U	0.619	0.310	
Styrene		U	0.619	0.310	
o-Xylene		U	0.619	0.310	
1,1,2,2-Tetrachloroethane		U	0.619	0.310	
1,2,3-Trichloropropane		U	0.619	0.310	
Isopropylbenzene		U	0.619	0.310	
Bromobenzene		U	0.619	0.310	
2-Chlorotoluene		U	0.619	0.310	
n-Propylbenzene		U	0.619	0.310	
4-Chlorotoluene		U	0.619	0.310	
1,3,5-Trimethylbenzene		U	0.619	0.310	
tert-Butylbenzene		U	0.619	0.310	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: HD-11(0-0.5)

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100703-03		
File ID:	D072218.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	7/2/2010	Decanted:	None
Date Received:	7/3/2010		
Date Prepared:	7/9/2010	Sample Size (g):	4.14
Date Cleanup:	NA	Percent Solid:	78%
Date Analyzed:	7/23/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100709-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
1,2,4-Trimethylbenzene	U	0.619	0.310	
sec-Butylbenzene	U	0.619	0.310	
Phenol	U	0.619	0.310	
bis(2-Chloroethyl)ether	U	0.619	0.310	
Aniline	U	0.619	0.310	
2-Chlorophenol	U	0.619	0.310	
1,3-Dichlorobenzene	U	0.619	0.310	
1,4-Dichlorobenzene	U	0.619	0.310	
p-Isopropyltoluene	U	0.619	0.310	
Benzyl Alcohol	U	0.619	0.310	
2-Methylphenol (m-cresol)	U	0.619	0.310	
1,2-Dichlorobenzene	U	0.619	0.310	
3,4-Methylphenol (o,p-cresol)	U	0.619	0.310	
bis(2-chloroisopropyl)ether	U	0.619	0.310	
n-Butylbenzene	U	0.619	0.310	
N-nitroso-di-n-propylamine	U	0.619	0.310	
Hexachloroethane	U	0.619	0.310	
1,2-Dibromo-3-Chloropropane	U	0.619	0.310	
Nitrobenzene	U	0.619	0.310	
Isophorone	U	0.619	0.310	
2-Nitrophenol	U	0.619	0.310	
2,4-Dimethylphenol	U	0.619	0.310	
bis(2-Chloroethoxy)methane	U	0.619	0.310	
1,2,4-Trichlorobenzene	U	0.619	0.310	
Naphthalene	U	0.619	0.310	
2,4-Dichlorophenol	U	0.619	0.310	
4-Chloroaniline	U	0.619	0.310	
Hexachlorobutadiene	U	0.619	0.310	
1,2,3-Trichlorobenzene	U	0.619	0.310	
4-Chloro-3-methylphenol	U	0.619	0.310	
2-Methylnaphthalene	U	0.619	0.310	
1-Methylnaphthalene	U	0.619	0.310	
Hexachlorocyclopentadiene	U	0.619	0.310	
2,4,6-Trichlorophenol	U	0.619	0.310	
2,4,5-Trichlorophenol	U	0.619	0.310	
Diphenylamine	U	0.619	0.310	
Azobenzene	U	0.619	0.310	
2-Chloronaphthalene	U	0.619	0.310	
2-Nitroaniline	U	0.619	0.310	
1,4-Dinitrobenzene	U	0.619	0.310	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: HD-11(0-0.5)

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100703-03		
File ID:	D072218.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	7/2/2010	Decanted:	None
Date Received:	7/3/2010		
Date Prepared:	7/9/2010	Sample Size (g):	4.14
Date Cleanup:	NA	Percent Solid:	78%
Date Analyzed:	7/23/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100709-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
Dimethylphthalate	U	0.619	0.310	
1,3-Dinitrobenzene	U	0.619	0.310	
Acenaphthylene	U	0.619	0.310	
2,6-dinitrotoluene	U	0.619	0.310	
1,2-Dinitrobenzene	U	0.619	0.310	
3-Nitroaniline	U	0.619	0.310	
Acenaphthene	U	0.619	0.310	
2,4-Dinitrophenol	U	0.619	0.310	
4-Nitrophenol	U	0.619	0.310	
Dibenzofuran	U	0.619	0.310	
2,4-dinitrotoluene	U	0.619	0.310	
2,3,4,6-Tetrachlorophenol	U	0.619	0.310	
2,3,5,6-Tetrachlorophenol	U	0.619	0.310	
Diethylphthalate	U	0.619	0.310	
4-Chlorophenyl-phenylether	U	0.619	0.310	
Fluorene	U	0.619	0.310	
4-Nitroaniline	U	0.619	0.310	
4,6-Dinitro-2-methylphenol	U	0.619	0.310	
n-Nitrosodiphenylamine	U	0.619	0.310	
4-Bromophenyl phenyl ether	U	0.619	0.310	
Hexachlorobenzene	U	0.619	0.310	
Pentachlorophenol	U	0.619	0.310	
Phenanthrene	U	0.619	0.310	
Anthracene	U	0.619	0.310	
Carbazole	U	0.619	0.310	
Di-n-butylphthalate	U	0.619	0.310	
Bis(2-ethylhexyl) adipate	U	0.619	0.310	
Fluoranthene	0.412 J	0.619	0.310	
Pyrene	0.372 J	0.619	0.310	
Butylbenzylphthalate	U	0.619	0.310	
Benz[a]anthracene	U	0.619	0.310	
Chrysene	0.359 J	0.619	0.310	
bis(2-Ethylhexyl)phthalate	0.819	0.619	0.310	
Di-n-octylphthalate	U	0.619	0.310	
Benzo[b]fluoranthene	0.397 J	0.619	0.310	
Benzo[k]fluoranthene	U	0.619	0.310	
Benzo[a]pyrene	U	0.619	0.310	
Indeno[1,2,3-cd]pyrene	U	0.619	0.310	
Dibenz[a,h]anthracene	U	0.619	0.310	
Benzo[g,h,i]perylene	U	0.619	0.310	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: HD-11(0-0.5)

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100703-03		
File ID:	D072218.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	7/2/2010	Decanted:	None
Date Received:	7/3/2010		
Date Prepared:	7/9/2010	Sample Size (g):	4.14
Date Cleanup:	NA	Percent Solid:	78%
Date Analyzed:	7/23/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100709-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
Extraction Surrogate Recoveries (%)		Limits		
Toluene-d8	73	50 - 120		
4-Bromofluorobenzene	87	50 - 120		
2-Fluorophenol	85	50 - 120		
Phenol-d5	113	50 - 120		
Nitrobenzene-d5	91	50 - 120		
2-Fluorobiphenyl	81	50 - 120		
2,4,6-Tribromophenol	90	50 - 120		
p-Terphenyl-d14	84	50 - 120		

NA - Not applicable.
B - Analyte detected in the Blank.
J - Estimated value; detected between the RL and DL.
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: HD-11(2-2.5)

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100703-04		
File ID:	D072212.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	7/2/2010	Decanted:	None
Date Received:	7/3/2010		
Date Prepared:	7/9/2010	Sample Size (g):	3.99
Date Cleanup:	NA	Percent Solid:	65%
Date Analyzed:	7/22/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100709-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
VOC & SVOC COMPOUNDS:					
cis-1,2-Dichloroethene		U	0.768	0.384	
2,2-Dichloropropane		U	0.768	0.384	
Chloroform		U	0.768	0.384	
1,1,1-Trichloroethane		U	0.768	0.384	
1,2-Dichloroethane		U	0.768	0.384	
1,1-Dichloropropene		U	0.768	0.384	
Benzene		U	0.768	0.384	
Carbon Tetrachloride		U	0.768	0.384	
1,2-Dichloropropane		U	0.768	0.384	
Trichloroethene		U	0.768	0.384	
Dibromomethane		U	0.768	0.384	
Bromodichloromethane		U	0.768	0.384	
Pyridine		U	0.768	0.384	
cis-1,3-Dichloropropene		U	0.768	0.384	
N-nitrosodimethylamine		U	0.768	0.384	
Toluene		U	0.768	0.384	
trans-1,3-Dichloropropene		U	0.768	0.384	
1,1,2-Trichloroethane		U	0.768	0.384	
1,3-Dichloropropane		U	0.768	0.384	
Dibromochloromethane		U	0.768	0.384	
1,2-Dibromoethane		U	0.768	0.384	
Tetrachloroethene		U	0.768	0.384	
Chlorobenzene		U	0.768	0.384	
1,1,1,2-Tetrachloroethane		U	0.768	0.384	
Ethylbenzene		U	0.768	0.384	
m/p-Xylenes		U	0.768	0.384	
Bromoform		U	0.768	0.384	
Styrene		U	0.768	0.384	
o-Xylene		U	0.768	0.384	
1,1,2,2-Tetrachloroethane		U	0.768	0.384	
1,2,3-Trichloropropane		U	0.768	0.384	
Isopropylbenzene		U	0.768	0.384	
Bromobenzene		U	0.768	0.384	
2-Chlorotoluene		U	0.768	0.384	
n-Propylbenzene		U	0.768	0.384	
4-Chlorotoluene		U	0.768	0.384	
1,3,5-Trimethylbenzene		U	0.768	0.384	
tert-Butylbenzene		U	0.768	0.384	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: HD-11(2-2.5)

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100703-04		
File ID:	D072212.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	7/2/2010	Decanted:	None
Date Received:	7/3/2010		
Date Prepared:	7/9/2010	Sample Size (g):	3.99
Date Cleanup:	NA	Percent Solid:	65%
Date Analyzed:	7/22/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100709-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
1,2,4-Trimethylbenzene		U	0.768	0.384	
sec-Butylbenzene		U	0.768	0.384	
Phenol		U	0.768	0.384	
bis(2-Chloroethyl)ether		U	0.768	0.384	
Aniline		U	0.768	0.384	
2-Chlorophenol		U	0.768	0.384	
1,3-Dichlorobenzene		U	0.768	0.384	
1,4-Dichlorobenzene		U	0.768	0.384	
p-Isopropyltoluene		U	0.768	0.384	
Benzyl Alcohol		U	0.768	0.384	
2-Methylphenol (m-cresol)		U	0.768	0.384	
1,2-Dichlorobenzene		U	0.768	0.384	
3,4-Methylphenol (o,p-cresol)		U	0.768	0.384	
bis(2-chloroisopropyl)ether		U	0.768	0.384	
n-Butylbenzene		U	0.768	0.384	
N-nitroso-di-n-propylamine		U	0.768	0.384	
Hexachloroethane		U	0.768	0.384	
1,2-Dibromo-3-Chloropropane		U	0.768	0.384	
Nitrobenzene		U	0.768	0.384	
Isophorone		U	0.768	0.384	
2-Nitrophenol		U	0.768	0.384	
2,4-Dimethylphenol		U	0.768	0.384	
bis(2-Chloroethoxy)methane		U	0.768	0.384	
1,2,4-Trichlorobenzene		U	0.768	0.384	
Naphthalene		U	0.768	0.384	
2,4-Dichlorophenol		U	0.768	0.384	
4-Chloroaniline		U	0.768	0.384	
Hexachlorobutadiene		U	0.768	0.384	
1,2,3-Trichlorobenzene		U	0.768	0.384	
4-Chloro-3-methylphenol		U	0.768	0.384	
2-Methylnaphthalene		U	0.768	0.384	
1-Methylnaphthalene		U	0.768	0.384	
Hexachlorocyclopentadiene		U	0.768	0.384	
2,4,6-Trichlorophenol		U	0.768	0.384	
2,4,5-Trichlorophenol		U	0.768	0.384	
Diphenylamine		U	0.768	0.384	
Azobenzene		U	0.768	0.384	
2-Chloronaphthalene		U	0.768	0.384	
2-Nitroaniline		U	0.768	0.384	
1,4-Dinitrobenzene		U	0.768	0.384	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: HD-11(2-2.5)

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100703-04		
File ID:	D072212.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	7/2/2010	Decanted:	None
Date Received:	7/3/2010		
Date Prepared:	7/9/2010	Sample Size (g):	3.99
Date Cleanup:	NA	Percent Solid:	65%
Date Analyzed:	7/22/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100709-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
Dimethylphthalate		U	0.768	0.384	
1,3-Dinitrobenzene		U	0.768	0.384	
Acenaphthylene		U	0.768	0.384	
2,6-dinitrotoluene		U	0.768	0.384	
1,2-Dinitrobenzene		U	0.768	0.384	
3-Nitroaniline		U	0.768	0.384	
Acenaphthene	1.15		0.768	0.384	
2,4-Dinitrophenol		U	0.768	0.384	
4-Nitrophenol		U	0.768	0.384	
Dibenzofuran	0.720	J	0.768	0.384	
2,4-dinitrotoluene		U	0.768	0.384	
2,3,4,6-Tetrachlorophenol		U	0.768	0.384	
2,3,5,6-Tetrachlorophenol		U	0.768	0.384	
Diethylphthalate		U	0.768	0.384	
4-Chlorophenyl-phenylether		U	0.768	0.384	
Fluorene	0.990		0.768	0.384	
4-Nitroaniline		U	0.768	0.384	
4,6-Dinitro-2-methylphenol		U	0.768	0.384	
n-Nitrosodiphenylamine		U	0.768	0.384	
4-Bromophenyl phenyl ether		U	0.768	0.384	
Hexachlorobenzene		U	0.768	0.384	
Pentachlorophenol		U	0.768	0.384	
Phenanthrene		U	0.768	0.384	
Anthracene		U	0.768	0.384	
Carbazole		U	0.768	0.384	
Di-n-butylphthalate		U	0.768	0.384	
Bis(2-ethylhexyl) adipate		U	0.768	0.384	
Fluoranthene		U	0.768	0.384	
Pyrene		U	0.768	0.384	
Butylbenzylphthalate		U	0.768	0.384	
Benz[a]anthracene		U	0.768	0.384	
Chrysene	0.385	J	0.768	0.384	
bis(2-Ethylhexyl)phthalate		U	0.768	0.384	
Di-n-octylphthalate		U	0.768	0.384	
Benzo[b]fluoranthene		U	0.768	0.384	
Benzo[k]fluoranthene		U	0.768	0.384	
Benzo[a]pyrene		U	0.768	0.384	
Indeno[1,2,3-cd]pyrene		U	0.768	0.384	
Dibenz[a,h]anthracene		U	0.768	0.384	
Benzo[g,h,i]perylene		U	0.768	0.384	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: HD-11(2-2.5)

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100703-04		
File ID:	D072212.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	7/2/2010	Decanted:	None
Date Received:	7/3/2010		
Date Prepared:	7/9/2010	Sample Size (g):	3.99
Date Cleanup:	NA	Percent Solid:	65%
Date Analyzed:	7/22/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100709-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
Extraction Surrogate Recoveries (%)		Limits		
Toluene-d8	65	50 - 120		
4-Bromofluorobenzene	84	50 - 120		
2-Fluorophenol	84	50 - 120		
Phenol-d5	112	50 - 120		
Nitrobenzene-d5	86	50 - 120		
2-Fluorobiphenyl	81	50 - 120		
2,4,6-Tribromophenol	97	50 - 120		
p-Terphenyl-d14	88	50 - 120		

NA - Not applicable.
B - Analyte detected in the Blank.
J - Estimated value; detected between the RL and DL.
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Soil Blank

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	QC100709-SB		
File ID:	D072204.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	NA	Decanted:	None
Date Received:	NA		
Date Prepared:	7/9/2010	Sample Size (g):	4.00
Date Cleanup:	NA	Percent Solid:	100%
Date Analyzed:	7/22/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100709-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
VOC & SVOC COMPOUNDS:				
cis-1,2-Dichloroethene	U	0.500	0.250	
2,2-Dichloropropane	U	0.500	0.250	
Chloroform	U	0.500	0.250	
1,1,1-Trichloroethane	U	0.500	0.250	
1,2-Dichloroethane	U	0.500	0.250	
1,1-Dichloropropene	U	0.500	0.250	
Benzene	U	0.500	0.250	
Carbon Tetrachloride	U	0.500	0.250	
1,2-Dichloropropane	U	0.500	0.250	
Trichloroethene	U	0.500	0.250	
Dibromomethane	U	0.500	0.250	
Bromodichloromethane	U	0.500	0.250	
Pyridine	U	0.500	0.250	
cis-1,3-Dichloropropene	U	0.500	0.250	
N-nitrosodimethylamine	U	0.500	0.250	
Toluene	U	0.500	0.250	
trans-1,3-Dichloropropene	U	0.500	0.250	
1,1,2-Trichloroethane	U	0.500	0.250	
1,3-Dichloropropane	U	0.500	0.250	
Dibromochloromethane	U	0.500	0.250	
1,2-Dibromoethane	U	0.500	0.250	
Tetrachloroethene	U	0.500	0.250	
Chlorobenzene	U	0.500	0.250	
1,1,1,2-Tetrachloroethane	U	0.500	0.250	
Ethylbenzene	U	0.500	0.250	
m/p-Xylenes	U	0.500	0.250	
Bromoform	U	0.500	0.250	
Styrene	U	0.500	0.250	
o-Xylene	U	0.500	0.250	
1,1,2,2-Tetrachloroethane	U	0.500	0.250	
1,2,3-Trichloropropane	U	0.500	0.250	
Isopropylbenzene	U	0.500	0.250	
Bromobenzene	U	0.500	0.250	
2-Chlorotoluene	U	0.500	0.250	
n-Propylbenzene	U	0.500	0.250	
4-Chlorotoluene	U	0.500	0.250	
1,3,5-Trimethylbenzene	U	0.500	0.250	
tert-Butylbenzene	U	0.500	0.250	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Soil Blank

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	QC100709-SB		
File ID:	D072204.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	NA	Decanted:	None
Date Received:	NA		
Date Prepared:	7/9/2010	Sample Size (g):	4.00
Date Cleanup:	NA	Percent Solid:	100%
Date Analyzed:	7/22/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100709-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
1,2,4-Trimethylbenzene		U	0.500	0.250	
sec-Butylbenzene		U	0.500	0.250	
Phenol		U	0.500	0.250	
bis(2-Chloroethyl)ether		U	0.500	0.250	
Aniline		U	0.500	0.250	
2-Chlorophenol		U	0.500	0.250	
1,3-Dichlorobenzene		U	0.500	0.250	
1,4-Dichlorobenzene		U	0.500	0.250	
p-Isopropyltoluene		U	0.500	0.250	
Benzyl Alcohol		U	0.500	0.250	
2-Methylphenol (m-cresol)		U	0.500	0.250	
1,2-Dichlorobenzene		U	0.500	0.250	
3,4-Methylphenol (o,p-cresol)		U	0.500	0.250	
bis(2-chloroisopropyl)ether		U	0.500	0.250	
n-Butylbenzene		U	0.500	0.250	
N-nitroso-di-n-propylamine		U	0.500	0.250	
Hexachloroethane		U	0.500	0.250	
1,2-Dibromo-3-Chloropropane		U	0.500	0.250	
Nitrobenzene		U	0.500	0.250	
Isophorone		U	0.500	0.250	
2-Nitrophenol		U	0.500	0.250	
2,4-Dimethylphenol		U	0.500	0.250	
bis(2-Chloroethoxy)methane		U	0.500	0.250	
1,2,4-Trichlorobenzene		U	0.500	0.250	
Naphthalene		U	0.500	0.250	
2,4-Dichlorophenol		U	0.500	0.250	
4-Chloroaniline		U	0.500	0.250	
Hexachlorobutadiene		U	0.500	0.250	
1,2,3-Trichlorobenzene		U	0.500	0.250	
4-Chloro-3-methylphenol		U	0.500	0.250	
2-Methylnaphthalene		U	0.500	0.250	
1-Methylnaphthalene		U	0.500	0.250	
Hexachlorocyclopentadiene		U	0.500	0.250	
2,4,6-Trichlorophenol		U	0.500	0.250	
2,4,5-Trichlorophenol		U	0.500	0.250	
Diphenylamine		U	0.500	0.250	
Azobenzene		U	0.500	0.250	
2-Chloronaphthalene		U	0.500	0.250	
2-Nitroaniline		U	0.500	0.250	
1,4-Dinitrobenzene		U	0.500	0.250	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Soil Blank

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	QC100709-SB		
File ID:	D072204.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	NA	Decanted:	None
Date Received:	NA		
Date Prepared:	7/9/2010	Sample Size (g):	4.00
Date Cleanup:	NA	Percent Solid:	100%
Date Analyzed:	7/22/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100709-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
Dimethylphthalate		U	0.500	0.250	
1,3-Dinitrobenzene		U	0.500	0.250	
Acenaphthylene		U	0.500	0.250	
2,6-dinitrotoluene		U	0.500	0.250	
1,2-Dinitrobenzene		U	0.500	0.250	
3-Nitroaniline		U	0.500	0.250	
Acenaphthene		U	0.500	0.250	
2,4-Dinitrophenol		U	0.500	0.250	
4-Nitrophenol		U	0.500	0.250	
Dibenzofuran		U	0.500	0.250	
2,4-dinitrotoluene		U	0.500	0.250	
2,3,4,6-Tetrachlorophenol		U	0.500	0.250	
2,3,5,6-Tetrachlorophenol		U	0.500	0.250	
Diethylphthalate		U	0.500	0.250	
4-Chlorophenyl-phenylether		U	0.500	0.250	
Fluorene		U	0.500	0.250	
4-Nitroaniline		U	0.500	0.250	
4,6-Dinitro-2-methylphenol		U	0.500	0.250	
n-Nitrosodiphenylamine		U	0.500	0.250	
4-Bromophenyl phenyl ether		U	0.500	0.250	
Hexachlorobenzene		U	0.500	0.250	
Pentachlorophenol		U	0.500	0.250	
Phenanthrene		U	0.500	0.250	
Anthracene		U	0.500	0.250	
Carbazole		U	0.500	0.250	
Di-n-butylphthalate		U	0.500	0.250	
Bis(2-ethylhexyl) adipate		U	0.500	0.250	
Fluoranthene		U	0.500	0.250	
Pyrene		U	0.500	0.250	
Butylbenzylphthalate		U	0.500	0.250	
Benz[a]anthracene		U	0.500	0.250	
Chrysene		U	0.500	0.250	
bis(2-Ethylhexyl)phthalate		U	0.500	0.250	
Di-n-octylphthalate		U	0.500	0.250	
Benzo[b]fluoranthene		U	0.500	0.250	
Benzo[k]fluoranthene		U	0.500	0.250	
Benzo[a]pyrene		U	0.500	0.250	
Indeno[1,2,3-cd]pyrene		U	0.500	0.250	
Dibenz[a,h]anthracene		U	0.500	0.250	
Benzo[g,h,i]perylene		U	0.500	0.250	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Soil Blank

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	QC100709-SB		
File ID:	D072204.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	NA	Decanted:	None
Date Received:	NA		
Date Prepared:	7/9/2010	Sample Size (g):	4.00
Date Cleanup:	NA	Percent Solid:	100%
Date Analyzed:	7/22/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100709-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
Extraction Surrogate Recoveries (%)		Limits		
Toluene-d8	78	50 - 120		
4-Bromofluorobenzene	90	50 - 120		
2-Fluorophenol	84	50 - 120		
Phenol-d5	114	50 - 120		
Nitrobenzene-d5	82	50 - 120		
2-Fluorobiphenyl	78	50 - 120		
2,4,6-Tribromophenol	92	50 - 120		
p-Terphenyl-d14	83	50 - 120		

NA - Not applicable.
B - Analyte detected in the Blank.
J - Estimated value; detected between the RL and DL.
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Soil Blank Spike

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	QC100709-SBS1		
File ID:	D072207.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	NA	Decanted:	None
Date Received:	NA		
Date Prepared:	7/9/2010	Sample Size (g):	4.00
Date Cleanup:	NA	Percent Solid:	100%
Date Analyzed:	7/22/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100709-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
VOC & SVOC COMPOUNDS:	Spike Amount				% Recovery
cis-1,2-Dichloroethene	12.5	3.37	0.500	0.250	27
2,2-Dichloropropane	12.5	6.18	0.500	0.250	49
Chloroform	12.5	3.9	0.500	0.250	31
1,1,1-Trichloroethane	12.5	6.02	0.500	0.250	48
1,2-Dichloroethane	12.5	8.71	0.500	0.250	70
1,1-Dichloropropene	12.5	5.46	0.500	0.250	44
Benzene	12.5	7.5	0.500	0.250	60
Carbon Tetrachloride	12.5	4.33	0.500	0.250	35
1,2-Dichloropropane	12.5	8.26	0.500	0.250	66
Trichloroethene	12.5	6.75	0.500	0.250	54
Dibromomethane	12.5	8.41	0.500	0.250	67
Bromodichloromethane	12.5	8.41	0.500	0.250	67
Pyridine	12.5	7.86	0.500	0.250	63
cis-1,3-Dichloropropene	12.5	8.79	0.500	0.250	70
N-nitrosodimethylamine	12.5	7.27	0.500	0.250	58
Toluene	12.5	7.97	0.500	0.250	64
trans-1,3-Dichloropropene	12.5	8.7	0.500	0.250	70
1,1,2-Trichloroethane	12.5	8.02	0.500	0.250	64
1,3-Dichloropropane	12.5	8.51	0.500	0.250	68
Dibromochloromethane	12.5	8.57	0.500	0.250	69
1,2-Dibromoethane	12.5	8.6	0.500	0.250	69
Tetrachloroethene	12.5	8.95	0.500	0.250	72
Chlorobenzene	12.5	8.12	0.500	0.250	65
1,1,1,2-Tetrachloroethane	12.5	8.34	0.500	0.250	67
Ethylbenzene	12.5	8.49	0.500	0.250	68
m/p-Xylenes	12.5	8.84	0.500	0.250	71
Bromoform	12.5	8.38	0.500	0.250	67
Styrene	12.5	8.57	0.500	0.250	69
o-Xylene	12.5	8.48	0.500	0.250	68
1,1,2,2-Tetrachloroethane	12.5	8.24	0.500	0.250	66
1,2,3-Trichloropropane	12.5	8.78	0.500	0.250	70
Isopropylbenzene	12.5	8.34	0.500	0.250	67
Bromobenzene	12.5	8.8	0.500	0.250	70
2-Chlorotoluene	12.5	8.52	0.500	0.250	68
n-Propylbenzene	12.5	8.2	0.500	0.250	66
4-Chlorotoluene	12.5	8.18	0.500	0.250	65
1,3,5-Trimethylbenzene	12.5	8.65	0.500	0.250	69
tert-Butylbenzene	12.5	8.41	0.500	0.250	67

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Soil Blank Spike

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	QC100709-SBS1		
File ID:	D072207.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	NA	Decanted:	None
Date Received:	NA		
Date Prepared:	7/9/2010	Sample Size (g):	4.00
Date Cleanup:	NA	Percent Solid:	100%
Date Analyzed:	7/22/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100709-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
1,2,4-Trimethylbenzene	12.5	8.41	0.500	0.250	67
sec-Butylbenzene	12.5	8.56	0.500	0.250	68
Phenol	12.5	8.28	0.500	0.250	66
bis(2-Chloroethyl)ether	12.5	8.01	0.500	0.250	64
Aniline	12.5	7.91	0.500	0.250	63
2-Chlorophenol	12.5	8.26	0.500	0.250	66
1,3-Dichlorobenzene	25.0	16.5	0.500	0.250	66
1,4-Dichlorobenzene	25.0	17.2	0.500	0.250	69
p-Isopropyltoluene	12.5	8.59	0.500	0.250	69
Benzyl Alcohol	12.5	6.17	0.500	0.250	49
2-Methylphenol (m-cresol)	12.5	7.94	0.500	0.250	64
1,2-Dichlorobenzene	25.0	16.5	0.500	0.250	66
3,4-Methylphenol (o,p-cresol)	12.5	8.2	0.500	0.250	66
bis(2-chloroisopropyl)ether	12.5	8.2	0.500	0.250	66
n-Butylbenzene	12.5	8.46	0.500	0.250	68
N-nitroso-di-n-propylamine	12.5	8.9	0.500	0.250	71
Hexachloroethane	12.5	7.31	0.500	0.250	58
1,2-Dibromo-3-Chloropropane	12.5	8.44	0.500	0.250	68
Nitrobenzene	12.5	8.67	0.500	0.250	69
Isophorone	12.5	8.66	0.500	0.250	69
2-Nitrophenol	12.5	7.84	0.500	0.250	63
2,4-Dimethylphenol	12.5	7.85	0.500	0.250	63
bis(2-Chloroethoxy)methane	12.5	8.68	0.500	0.250	69
1,2,4-Trichlorobenzene	25.0	17.9	0.500	0.250	72
Naphthalene	25.0	17.4	0.500	0.250	70
2,4-Dichlorophenol	12.5	8.7	0.500	0.250	70
4-Chloroaniline	12.5	8.37	0.500	0.250	67
Hexachlorobutadiene	25.0	18.4	0.500	0.250	74
1,2,3-Trichlorobenzene	12.5	8.78	0.500	0.250	70
4-Chloro-3-methylphenol	12.5	9.42	0.500	0.250	75
2-Methylnaphthalene	12.5	8.13	0.500	0.250	65
1-Methylnaphthalene	12.5	8.43	0.500	0.250	67
Hexachlorocyclopentadiene	12.5	4.07	0.500	0.250	33
2,4,6-Trichlorophenol	12.5	8.72	0.500	0.250	70
2,4,5-Trichlorophenol	12.5	9.01	0.500	0.250	72
Diphenylamine	12.5	8.61	0.500	0.250	69
Azobenzene	12.5	9.14	0.500	0.250	73
2-Chloronaphthalene	12.5	8.48	0.500	0.250	68
2-Nitroaniline	12.5	9.29	0.500	0.250	74
1,4-Dinitrobenzene	12.5	7.78	0.500	0.250	62

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Soil Blank Spike

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	QC100709-SBS1		
File ID:	D072207.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	NA	Decanted:	None
Date Received:	NA		
Date Prepared:	7/9/2010	Sample Size (g):	4.00
Date Cleanup:	NA	Percent Solid:	100%
Date Analyzed:	7/22/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100709-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
Dimethylphthalate	12.5	8.86	0.500	0.250	71
1,3-Dinitrobenzene	12.5	7.7	0.500	0.250	62
Acenaphthylene	12.5	8.32	0.500	0.250	67
2,6-dinitrotoluene	12.5	8.37	0.500	0.250	67
1,2-Dinitrobenzene	12.5	7.81	0.500	0.250	62
3-Nitroaniline	12.5	8.68	0.500	0.250	69
Acenaphthene	12.5	8.55	0.500	0.250	68
2,4-Dinitrophenol	12.5	3.58	0.500	0.250	29
4-Nitrophenol	12.5	8.75	0.500	0.250	70
Dibenzofuran	12.5	8.58	0.500	0.250	69
2,4-dinitrotoluene	12.5	8.83	0.500	0.250	71
2,3,4,6-Tetrachlorophenol	12.5	8.58	0.500	0.250	69
2,3,5,6-Tetrachlorophenol	12.5	8.65	0.500	0.250	69
Diethylphthalate	12.5	8.8	0.500	0.250	70
4-Chlorophenyl-phenylether	12.5	8.47	0.500	0.250	68
Fluorene	12.5	8.52	0.500	0.250	68
4-Nitroaniline	12.5	9.12	0.500	0.250	73
4,6-Dinitro-2-methylphenol	12.5	5.24	0.500	0.250	42
n-Nitrosodiphenylamine	12.5	8.5	0.500	0.250	68
4-Bromophenyl phenyl ether	12.5	8.84	0.500	0.250	71
Hexachlorobenzene	12.5	8.7	0.500	0.250	70
Pentachlorophenol	12.5	7.72	0.500	0.250	62
Phenanthrene	12.5	8.78	0.500	0.250	70
Anthracene	12.5	8.79	0.500	0.250	70
Carbazole	12.5	8.52	0.500	0.250	68
Di-n-butylphthalate	12.5	8.94	0.500	0.250	72
Bis(2-ethylhexyl) adipate	12.5	9.15	0.500	0.250	73
Fluoranthene	12.5	9.14	0.500	0.250	73
Pyrene	12.5	9.12	0.500	0.250	73
Butylbenzylphthalate	12.5	9.63	0.500	0.250	77
Benz[a]anthracene	12.5	8.98	0.500	0.250	72
Chrysene	12.5	8.54	0.500	0.250	68
bis(2-Ethylhexyl)phthalate	12.5	9.77	0.500	0.250	78
Di-n-octylphthalate	12.5	9.99	0.500	0.250	80
Benzo[b]fluoranthene	12.5	8.48	0.500	0.250	68
Benzo[k]fluoranthene	12.5	9.31	0.500	0.250	74
Benzo[a]pyrene	12.5	9.01	0.500	0.250	72
Indeno[1,2,3-cd]pyrene	12.5	9.14	0.500	0.250	73
Dibenz[a,h]anthracene	12.5	8.82	0.500	0.250	71
Benzo[g,h,i]perylene	12.5	8.9	0.500	0.250	71

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Soil Blank Spike

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	QC100709-SBS1		
File ID:	D072207.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	NA	Decanted:	None
Date Received:	NA		
Date Prepared:	7/9/2010	Sample Size (g):	4.00
Date Cleanup:	NA	Percent Solid:	100%
Date Analyzed:	7/22/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100709-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
Extraction Surrogate Recoveries (%)		Limits		
Toluene-d8	68	50 - 120		
4-Bromofluorobenzene	77	50 - 120		
2-Fluorophenol	75	50 - 120		
Phenol-d5	96	50 - 120		
Nitrobenzene-d5	79	50 - 120		
2-Fluorobiphenyl	76	50 - 120		
2,4,6-Tribromophenol	82	50 - 120		
p-Terphenyl-d14	81	50 - 120		

NA - Not applicable.
B - Analyte detected in the Blank.
J - Estimated value; detected between the RL and DL.
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Matrix Spike of HD-12(2-2.5)

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100703-02MS		
File ID:	D072216.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	7/2/2010	Decanted:	None
Date Received:	7/3/2010		
Date Prepared:	7/9/2010	Sample Size (g):	4.20
Date Cleanup:	NA	Percent Solid:	84%
Date Analyzed:	7/23/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100709-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
VOC & SVOC COMPOUNDS:	Spike Amount				% Recovery
cis-1,2-Dichloroethene	14.2	3.69	0.568	0.284	26
2,2-Dichloropropane	14.2	7.01	0.568	0.284	49
Chloroform	14.2	4.32	0.568	0.284	30
1,1,1-Trichloroethane	14.2	6.94	0.568	0.284	49
1,2-Dichloroethane	14.2	10.0	0.568	0.284	70
1,1-Dichloropropene	14.2	6.25	0.568	0.284	44
Benzene	14.2	8.47	0.568	0.284	60
Carbon Tetrachloride	14.2	4.68	0.568	0.284	33
1,2-Dichloropropane	14.2	9.33	0.568	0.284	66
Trichloroethene	14.2	7.45	0.568	0.284	52
Dibromomethane	14.2	9.68	0.568	0.284	68
Bromodichloromethane	14.2	9.57	0.568	0.284	67
Pyridine	14.2	7.63	0.568	0.284	54
cis-1,3-Dichloropropene	14.2	9.26	0.568	0.284	65
N-nitrosodimethylamine	14.2	7.79	0.568	0.284	55
Toluene	14.2	9.02	0.568	0.284	63
trans-1,3-Dichloropropene	14.2	9.81	0.568	0.284	69
1,1,2-Trichloroethane	14.2	9.08	0.568	0.284	64
1,3-Dichloropropane	14.2	9.21	0.568	0.284	65
Dibromochloromethane	14.2	9.17	0.568	0.284	65
1,2-Dibromoethane	14.2	9.49	0.568	0.284	67
Tetrachloroethene	14.2	10.6	0.568	0.284	75
Chlorobenzene	14.2	8.82	0.568	0.284	62
1,1,1,2-Tetrachloroethane	14.2	8.79	0.568	0.284	62
Ethylbenzene	14.2	9.36	0.568	0.284	66
m/p-Xylenes	14.2	9.95	0.568	0.284	70
Bromoform	14.2	8.8	0.568	0.284	62
Styrene	14.2	9.38	0.568	0.284	66
o-Xylene	14.2	9.44	0.568	0.284	66
1,1,2,2-Tetrachloroethane	14.2	8.92	0.568	0.284	63
1,2,3-Trichloropropane	14.2	9.59	0.568	0.284	68
Isopropylbenzene	14.2	9.12	0.568	0.284	64
Bromobenzene	14.2	9.75	0.568	0.284	69
2-Chlorotoluene	14.2	9.19	0.568	0.284	65
n-Propylbenzene	14.2	8.96	0.568	0.284	63
4-Chlorotoluene	14.2	8.92	0.568	0.284	63
1,3,5-Trimethylbenzene	14.2	9.56	0.568	0.284	67
tert-Butylbenzene	14.2	9.31	0.568	0.284	66

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Matrix Spike of HD-12(2-2.5)

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100703-02MS		
File ID:	D072216.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	7/2/2010	Decanted:	None
Date Received:	7/3/2010		
Date Prepared:	7/9/2010	Sample Size (g):	4.20
Date Cleanup:	NA	Percent Solid:	84%
Date Analyzed:	7/23/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100709-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
1,2,4-Trimethylbenzene	28.4	9.51	0.568	0.284	33
sec-Butylbenzene	14.2	9.6	0.568	0.284	68
Phenol	14.2	9.91	0.568	0.284	70
bis(2-Chloroethyl)ether	14.2	8.94	0.568	0.284	63
Aniline	14.2	6.08	0.568	0.284	43
2-Chlorophenol	14.2	9.25	0.568	0.284	65
1,3-Dichlorobenzene	28.4	18.3	0.568	0.284	64
1,4-Dichlorobenzene	28.4	19.4	0.568	0.284	68
p-Isopropyltoluene	14.2	9.4	0.568	0.284	66
Benzyl Alcohol	14.2	3.97	0.568	0.284	28
2-Methylphenol (m-cresol)	14.2	9.36	0.568	0.284	66
1,2-Dichlorobenzene	28.4	18.5	0.568	0.284	65
3,4-Methylphenol (o,p-cresol)	14.2	9.48	0.568	0.284	67
bis(2-chloroisopropyl)ether	14.2	9.06	0.568	0.284	64
n-Butylbenzene	14.2	9.36	0.568	0.284	66
N-nitroso-di-n-propylamine	14.2	10.3	0.568	0.284	73
Hexachloroethane	14.2	7.15	0.568	0.284	50
1,2-Dibromo-3-Chloropropane	14.2	9.0	0.568	0.284	63
Nitrobenzene	14.2	9.77	0.568	0.284	69
Isophorone	14.2	9.96	0.568	0.284	70
2-Nitrophenol	14.2	8.4	0.568	0.284	59
2,4-Dimethylphenol	14.2	11.0	0.568	0.284	77
bis(2-Chloroethoxy)methane	14.2	9.67	0.568	0.284	68
1,2,4-Trichlorobenzene	14.2	20.1	0.568	0.284	141
Naphthalene	28.4	19.7	0.568	0.284	69
2,4-Dichlorophenol	14.2	9.89	0.568	0.284	70
4-Chloroaniline	14.2	7.03	0.568	0.284	49
Hexachlorobutadiene	28.4	20.3	0.568	0.284	71
1,2,3-Trichlorobenzene	14.2	9.92	0.568	0.284	70
4-Chloro-3-methylphenol	14.2	10.9	0.568	0.284	77
2-Methylnaphthalene	14.2	8.92	0.568	0.284	63
1-Methylnaphthalene	14.2	9.54	0.568	0.284	67
Hexachlorocyclopentadiene	14.2	1.43	0.568	0.284	10
2,4,6-Trichlorophenol	14.2	9.79	0.568	0.284	69
2,4,5-Trichlorophenol	14.2	9.93	0.568	0.284	70
Diphenylamine	14.2	9.24	0.568	0.284	65
Azobenzene	14.2	9.96	0.568	0.284	70
2-Chloronaphthalene	14.2	9.46	0.568	0.284	67
2-Nitroaniline	14.2	10.8	0.568	0.284	76
1,4-Dinitrobenzene	14.2	8.55	0.568	0.284	60

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Matrix Spike of HD-12(2-2.5)

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100703-02MS		
File ID:	D072216.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	7/2/2010	Decanted:	None
Date Received:	7/3/2010		
Date Prepared:	7/9/2010	Sample Size (g):	4.20
Date Cleanup:	NA	Percent Solid:	84%
Date Analyzed:	7/23/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100709-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
Dimethylphthalate	14.2	9.78	0.568	0.284	69
1,3-Dinitrobenzene	14.2	8.35	0.568	0.284	59
Acenaphthylene	14.2	9.1	0.568	0.284	64
2,6-dinitrotoluene	14.2	9.1	0.568	0.284	64
1,2-Dinitrobenzene	14.2	8.46	0.568	0.284	60
3-Nitroaniline	14.2	8.91	0.568	0.284	63
Acenaphthene	14.2	9.57	0.568	0.284	67
2,4-Dinitrophenol	14.2	1.64	0.568	0.284	12
4-Nitrophenol	14.2	9.5	0.568	0.284	67
Dibenzofuran	14.2	9.36	0.568	0.284	66
2,4-dinitrotoluene	14.2	9.62	0.568	0.284	68
2,3,4,6-Tetrachlorophenol	14.2	9.37	0.568	0.284	66
2,3,5,6-Tetrachlorophenol	14.2	9.35	0.568	0.284	66
Diethylphthalate	14.2	9.8	0.568	0.284	69
4-Chlorophenyl-phenylether	14.2	9.39	0.568	0.284	66
Fluorene	14.2	9.58	0.568	0.284	67
4-Nitroaniline	14.2	8.3	0.568	0.284	58
4,6-Dinitro-2-methylphenol	14.2	3.53	0.568	0.284	25
n-Nitrosodiphenylamine	14.2	9.08	0.568	0.284	64
4-Bromophenyl phenyl ether	14.2	9.52	0.568	0.284	67
Hexachlorobenzene	14.2	8.99	0.568	0.284	63
Pentachlorophenol	14.2	7.78	0.568	0.284	55
Phenanthrene	14.2	9.91	0.568	0.284	70
Anthracene	14.2	9.91	0.568	0.284	70
Carbazole	14.2	9.09	0.568	0.284	64
Di-n-butylphthalate	14.2	9.79	0.568	0.284	69
Bis(2-ethylhexyl) adipate	14.2	10.2	0.568	0.284	72
Fluoranthene	14.2	9.82	0.568	0.284	69
Pyrene	14.2	9.83	0.568	0.284	69
Butylbenzylphthalate	14.2	11.1	0.568	0.284	78
Benz[a]anthracene	14.2	10.3	0.568	0.284	73
Chrysene	14.2	10.0	0.568	0.284	70
bis(2-Ethylhexyl)phthalate	14.2	21.0	0.568	0.284	42
Di-n-octylphthalate	14.2	12.2	0.568	0.284	81
Benzo[b]fluoranthene	14.2	10.0	0.568	0.284	70
Benzo[k]fluoranthene	14.2	9.88	0.568	0.284	70
Benzo[a]pyrene	14.2	9.92	0.568	0.284	70
Indeno[1,2,3-cd]pyrene	14.2	9.62	0.568	0.284	68
Dibenz[a,h]anthracene	14.2	9.1	0.568	0.284	64
Benzo[g,h,i]perylene	14.2	8.88	0.568	0.284	63

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Matrix Spike of HD-12(2-2.5)

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100703-02MS		
File ID:	D072216.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	7/2/2010	Decanted:	None
Date Received:	7/3/2010		
Date Prepared:	7/9/2010	Sample Size (g):	4.20
Date Cleanup:	NA	Percent Solid:	84%
Date Analyzed:	7/23/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100709-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
Extraction Surrogate Recoveries (%)		Limits		
Toluene-d8	66	50 - 120		
4-Bromofluorobenzene	76	50 - 120		
2-Fluorophenol	77	50 - 120		
Phenol-d5	99	50 - 120		
Nitrobenzene-d5	83	50 - 120		
2-Fluorobiphenyl	77	50 - 120		
2,4,6-Tribromophenol	86	50 - 120		
p-Terphenyl-d14	87	50 - 120		

NA - Not applicable.
B - Analyte detected in the Blank.
J - Estimated value; detected between the RL and DL.
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Matrix Spike Duplicate of HD-12(2-2.5)

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100703-02MSD		
File ID:	D072217.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	7/2/2010	Decanted:	None
Date Received:	7/3/2010		
Date Prepared:	7/9/2010	Sample Size (g):	3.92
Date Cleanup:	NA	Percent Solid:	84%
Date Analyzed:	7/23/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100709-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments	
VOC & SVOC COMPOUNDS:	Spike Amount				% Recovery	RPD
cis-1,2-Dichloroethene	15.2	4.56	0.61	0.30	30	21.1
2,2-Dichloropropane	15.2	8.46	0.61	0.30	56	18.7
Chloroform	15.2	5.14	0.61	0.30	34	17.3
1,1,1-Trichloroethane	15.2	8.24	0.61	0.30	54	17.1
1,2-Dichloroethane	15.2	12.1	0.61	0.30	79	19
1,1-Dichloropropene	15.2	7.48	0.61	0.30	49	17.9
Benzene	15.2	10.0	0.61	0.30	66	16.6
Carbon Tetrachloride	15.2	5.66	0.61	0.30	37	19
1,2-Dichloropropane	15.2	11.4	0.61	0.30	75	20
Trichloroethene	15.2	8.86	0.61	0.30	58	17.3
Dibromomethane	15.2	11.5	0.61	0.30	76	17.2
Bromodichloromethane	15.2	11.4	0.61	0.30	75	17.5
Pyridine	15.2	9.71	0.61	0.30	64	24
cis-1,3-Dichloropropene	15.2	11.2	0.61	0.30	74	19
N-nitrosodimethylamine	15.2	9.77	0.61	0.30	64	22.6
Toluene	15.2	10.9	0.61	0.30	72	18.9
trans-1,3-Dichloropropene	15.2	11.9	0.61	0.30	78	19.3
1,1,2-Trichloroethane	15.2	10.8	0.61	0.30	71	17.3
1,3-Dichloropropane	15.2	11.3	0.61	0.30	74	20.4
Dibromochloromethane	15.2	11.1	0.61	0.30	73	19
1,2-Dibromoethane	15.2	11.4	0.61	0.30	75	18.3
Tetrachloroethene	15.2	12.8	0.61	0.30	84	18.8
Chlorobenzene	15.2	10.8	0.61	0.30	71	20.2
1,1,1,2-Tetrachloroethane	15.2	10.6	0.61	0.30	70	18.7
Ethylbenzene	15.2	11.5	0.61	0.30	76	20.5
m/p-Xylenes	15.2	12.3	0.61	0.30	81	21.1
Bromoform	15.2	10.8	0.61	0.30	71	20.4
Styrene	15.2	11.6	0.61	0.30	76	21.2
o-Xylene	15.2	11.6	0.61	0.30	76	20.5
1,1,2,2-Tetrachloroethane	15.2	10.8	0.61	0.30	71	19.1
1,2,3-Trichloropropane	15.2	11.6	0.61	0.30	76	19
Isopropylbenzene	15.2	11.2	0.61	0.30	74	20.5
Bromobenzene	15.2	11.9	0.61	0.30	78	19.9
2-Chlorotoluene	15.2	11.2	0.61	0.30	74	19.7
n-Propylbenzene	15.2	10.9	0.61	0.30	72	19.5
4-Chlorotoluene	15.2	11.0	0.61	0.30	72	20.9
1,3,5-Trimethylbenzene	15.2	11.7	0.61	0.30	77	20.1
tert-Butylbenzene	15.2	11.3	0.61	0.30	74	19.3

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Matrix Spike Duplicate of HD-12(2-2.5)

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100703-02MSD		
File ID:	D072217.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	7/2/2010	Decanted:	None
Date Received:	7/3/2010		
Date Prepared:	7/9/2010	Sample Size (g):	3.92
Date Cleanup:	NA	Percent Solid:	84%
Date Analyzed:	7/23/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100709-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments	
1,2,4-Trimethylbenzene	30.4	11.6	0.61	0.30	38	19.8
sec-Butylbenzene	15.2	11.9	0.61	0.30	78	21.4
Phenol	15.2	11.9	0.61	0.30	78	18.2
bis(2-Chloroethyl)ether	15.2	11.1	0.61	0.30	73	21.6
Aniline	15.2	9.21	0.61	0.30	61	40.9
2-Chlorophenol	15.2	11.2	0.61	0.30	74	19.1
1,3-Dichlorobenzene	30.4	22.6	0.61	0.30	74	21
1,4-Dichlorobenzene	30.4	24.1	0.61	0.30	79	21.6
p-Isopropyltoluene	15.2	11.7	0.61	0.30	77	21.8
Benzyl Alcohol	15.2	9.46	0.61	0.30	62	81.8
2-Methylphenol (m-cresol)	15.2	11.3	0.61	0.30	74	18.8
1,2-Dichlorobenzene	30.4	22.9	0.61	0.30	75	21.3
3,4-Methylphenol (o,p-cresol)	15.2	11.4	0.61	0.30	75	18.4
bis(2-chloroisopropyl)ether	15.2	11.2	0.61	0.30	74	21.1
n-Butylbenzene	15.2	11.6	0.61	0.30	76	21.4
N-nitroso-di-n-propylamine	15.2	12.3	0.61	0.30	81	17.7
Hexachloroethane	15.2	8.62	0.61	0.30	57	18.6
1,2-Dibromo-3-Chloropropane	15.2	10.9	0.61	0.30	72	19.1
Nitrobenzene	15.2	12.1	0.61	0.30	79	21.3
Isophorone	15.2	11.9	0.61	0.30	78	17.7
2-Nitrophenol	15.2	10.4	0.61	0.30	68	21.3
2,4-Dimethylphenol	15.2	13.3	0.61	0.30	87	18.9
bis(2-Chloroethoxy)methane	15.2	11.9	0.61	0.30	78	20.7
1,2,4-Trichlorobenzene	15.2	24.8	0.61	0.30	163	20.9
Naphthalene	30.4	24.1	0.61	0.30	79	20.1
2,4-Dichlorophenol	15.2	11.8	0.61	0.30	78	17.6
4-Chloroaniline	15.2	9.46	0.61	0.30	62	29.5
Hexachlorobutadiene	30.4	25.4	0.61	0.30	83	22.3
1,2,3-Trichlorobenzene	15.2	11.9	0.61	0.30	78	18.1
4-Chloro-3-methylphenol	15.2	13.1	0.61	0.30	86	18.3
2-Methylnaphthalene	15.2	10.8	0.61	0.30	71	19.1
1-Methylnaphthalene	15.2	11.4	0.61	0.30	75	17.8
Hexachlorocyclopentadiene	15.2	1.76	0.61	0.30	12	20.7
2,4,6-Trichlorophenol	15.2	11.6	0.61	0.30	76	16.9
2,4,5-Trichlorophenol	15.2	11.8	0.61	0.30	78	17.2
Diphenylamine	15.2	10.7	0.61	0.30	70	14.6
Azobenzene	15.2	11.6	0.61	0.30	76	15.2
2-Chloronaphthalene	15.2	11.3	0.61	0.30	74	17.7
2-Nitroaniline	15.2	12.9	0.61	0.30	85	17.7
1,4-Dinitrobenzene	15.2	10.1	0.61	0.30	66	16.6

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Matrix Spike Duplicate of HD-12(2-2.5)

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100703-02MSD		
File ID:	D072217.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	7/2/2010	Decanted:	None
Date Received:	7/3/2010		
Date Prepared:	7/9/2010	Sample Size (g):	3.92
Date Cleanup:	NA	Percent Solid:	84%
Date Analyzed:	7/23/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100709-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments	
Dimethylphthalate	15.2	11.5	0.61	0.30	76	16.2
1,3-Dinitrobenzene	15.2	9.92	0.61	0.30	65	17.2
Acenaphthylene	15.2	10.7	0.61	0.30	70	16.2
2,6-dinitrotoluene	15.2	10.8	0.61	0.30	71	17.1
1,2-Dinitrobenzene	15.2	10.1	0.61	0.30	66	17.7
3-Nitroaniline	15.2	10.5	0.61	0.30	69	16.4
Acenaphthene	15.2	11.2	0.61	0.30	74	15.7
2,4-Dinitrophenol	15.2	2.48	0.61	0.30	16	40.8
4-Nitrophenol	15.2	11.8	0.61	0.30	78	21.6
Dibenzofuran	15.2	11.1	0.61	0.30	73	17
2,4-dinitrotoluene	15.2	11.3	0.61	0.30	74	16.1
2,3,4,6-Tetrachlorophenol	15.2	11.2	0.61	0.30	74	17.8
2,3,5,6-Tetrachlorophenol	15.2	11.6	0.61	0.30	76	21.5
Diethylphthalate	15.2	11.4	0.61	0.30	75	15.1
4-Chlorophenyl-phenylether	15.2	11.2	0.61	0.30	74	17.6
Fluorene	15.2	11.2	0.61	0.30	74	15.6
4-Nitroaniline	15.2	9.43	0.61	0.30	62	12.7
4,6-Dinitro-2-methylphenol	15.2	4.34	0.61	0.30	29	20.6
n-Nitrosodiphenylamine	15.2	10.6	0.61	0.30	70	15.4
4-Bromophenyl phenyl ether	15.2	11.2	0.61	0.30	74	16.2
Hexachlorobenzene	15.2	10.9	0.61	0.30	72	19.2
Pentachlorophenol	15.2	9.34	0.61	0.30	61	18.2
Phenanthrene	15.2	11.7	0.61	0.30	77	16.6
Anthracene	15.2	11.5	0.61	0.30	76	14.9
Carbazole	15.2	10.7	0.61	0.30	70	16.3
Di-n-butylphthalate	15.2	11.3	0.61	0.30	74	14.3
Bis(2-ethylhexyl) adipate	15.2	11.8	0.61	0.30	78	14.5
Fluoranthene	15.2	11.9	0.61	0.30	78	19.2
Pyrene	15.2	11.8	0.61	0.30	78	18.2
Butylbenzylphthalate	15.2	12.4	0.61	0.30	81	11.1
Benz[a]anthracene	15.2	11.4	0.61	0.30	75	10.1
Chrysene	15.2	11.2	0.61	0.30	74	11.3
bis(2-Ethylhexyl)phthalate	15.2	22.7	0.61	0.30	51	7.8
Di-n-octylphthalate	15.2	13.3	0.61	0.30	83	8.6
Benzo[b]fluoranthene	15.2	11.4	0.61	0.30	75	13.1
Benzo[k]fluoranthene	15.2	11.2	0.61	0.30	74	12.5
Benzo[a]pyrene	15.2	11.2	0.61	0.30	74	12.1
Indeno[1,2,3-cd]pyrene	15.2	11.1	0.61	0.30	73	14.3
Dibenz[a,h]anthracene	15.2	10.5	0.61	0.30	69	14.3
Benzo[g,h,i]perylene	15.2	10.4	0.61	0.30	68	15.8

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Matrix Spike Duplicate of HD-12(2-2.5)

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100703-02MSD		
File ID:	D072217.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	7/2/2010	Decanted:	None
Date Received:	7/3/2010		
Date Prepared:	7/9/2010	Sample Size (g):	3.92
Date Cleanup:	NA	Percent Solid:	84%
Date Analyzed:	7/23/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100709-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
Extraction Surrogate Recoveries (%)		Limits		
Toluene-d8	75	50 - 120		
4-Bromofluorobenzene	86	50 - 120		
2-Fluorophenol	83	50 - 120		
Phenol-d5	105	50 - 120		
Nitrobenzene-d5	93	50 - 120		
2-Fluorobiphenyl	83	50 - 120		
2,4,6-Tribromophenol	90	50 - 120		
p-Terphenyl-d14	87	50 - 120		

NA - Not applicable.
B - Analyte detected in the Blank.
J - Estimated value; detected between the RL and DL.
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Duplicate of HD-12(0-0.5)

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100703-01DUP		
File ID:	D072214.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	7/2/2010	Decanted:	None
Date Received:	7/3/2010		
Date Prepared:	7/9/2010	Sample Size (g):	4.30
Date Cleanup:	NA	Percent Solid:	66%
Date Analyzed:	7/22/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100709-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
VOC & SVOC COMPOUNDS:					RPD
cis-1,2-Dichloroethene		U	0.701	0.350	NA
2,2-Dichloropropane		U	0.701	0.350	NA
Chloroform		U	0.701	0.350	NA
1,1,1-Trichloroethane		U	0.701	0.350	NA
1,2-Dichloroethane		U	0.701	0.350	NA
1,1-Dichloropropene		U	0.701	0.350	NA
Benzene		U	0.701	0.350	NA
Carbon Tetrachloride		U	0.701	0.350	NA
1,2-Dichloropropane		U	0.701	0.350	NA
Trichloroethene		U	0.701	0.350	NA
Dibromomethane		U	0.701	0.350	NA
Bromodichloromethane		U	0.701	0.350	NA
Pyridine		U	0.701	0.350	NA
cis-1,3-Dichloropropene		U	0.701	0.350	NA
N-nitrosodimethylamine		U	0.701	0.350	NA
Toluene	0.393	J	0.701	0.350	NA
trans-1,3-Dichloropropene		U	0.701	0.350	NA
1,1,2-Trichloroethane		U	0.701	0.350	NA
1,3-Dichloropropane		U	0.701	0.350	NA
Dibromochloromethane		U	0.701	0.350	NA
1,2-Dibromoethane		U	0.701	0.350	NA
Tetrachloroethene		U	0.701	0.350	NA
Chlorobenzene		U	0.701	0.350	NA
1,1,1,2-Tetrachloroethane		U	0.701	0.350	NA
Ethylbenzene		U	0.701	0.350	NA
m/p-Xylenes	0.950		0.701	0.350	2.1
Bromoform		U	0.701	0.350	NA
Styrene		U	0.701	0.350	NA
o-Xylene		U	0.701	0.350	NA
1,1,2,2-Tetrachloroethane		U	0.701	0.350	NA
1,2,3-Trichloropropane		U	0.701	0.350	NA
Isopropylbenzene		U	0.701	0.350	NA
Bromobenzene		U	0.701	0.350	NA
2-Chlorotoluene		U	0.701	0.350	NA
n-Propylbenzene		U	0.701	0.350	NA
4-Chlorotoluene		U	0.701	0.350	NA
1,3,5-Trimethylbenzene		U	0.701	0.350	NA
tert-Butylbenzene		U	0.701	0.350	NA

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Duplicate of HD-12(0-0.5)

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100703-01DUP		
File ID:	D072214.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	7/2/2010	Decanted:	None
Date Received:	7/3/2010		
Date Prepared:	7/9/2010	Sample Size (g):	4.30
Date Cleanup:	NA	Percent Solid:	66%
Date Analyzed:	7/22/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100709-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
1,2,4-Trimethylbenzene		U	0.701	0.350	NA
sec-Butylbenzene		U	0.701	0.350	NA
Phenol		U	0.701	0.350	NA
bis(2-Chloroethyl)ether		U	0.701	0.350	NA
Aniline		U	0.701	0.350	NA
2-Chlorophenol		U	0.701	0.350	NA
1,3-Dichlorobenzene		U	0.701	0.350	NA
1,4-Dichlorobenzene		U	0.701	0.350	NA
p-Isopropyltoluene		U	0.701	0.350	NA
Benzyl Alcohol		U	0.701	0.350	NA
2-Methylphenol (m-cresol)		U	0.701	0.350	NA
1,2-Dichlorobenzene		U	0.701	0.350	NA
3,4-Methylphenol (o,p-cresol)		U	0.701	0.350	NA
bis(2-chloroisopropyl)ether		U	0.701	0.350	NA
n-Butylbenzene		U	0.701	0.350	NA
N-nitroso-di-n-propylamine		U	0.701	0.350	NA
Hexachloroethane		U	0.701	0.350	NA
1,2-Dibromo-3-Chloropropane		U	0.701	0.350	NA
Nitrobenzene		U	0.701	0.350	NA
Isophorone		U	0.701	0.350	NA
2-Nitrophenol		U	0.701	0.350	NA
2,4-Dimethylphenol		U	0.701	0.350	NA
bis(2-Chloroethoxy)methane		U	0.701	0.350	NA
1,2,4-Trichlorobenzene		U	0.701	0.350	NA
Naphthalene		U	0.701	0.350	NA
2,4-Dichlorophenol		U	0.701	0.350	NA
4-Chloroaniline		U	0.701	0.350	NA
Hexachlorobutadiene		U	0.701	0.350	NA
1,2,3-Trichlorobenzene		U	0.701	0.350	NA
4-Chloro-3-methylphenol		U	0.701	0.350	NA
2-Methylnaphthalene		U	0.701	0.350	NA
1-Methylnaphthalene		U	0.701	0.350	NA
Hexachlorocyclopentadiene		U	0.701	0.350	NA
2,4,6-Trichlorophenol		U	0.701	0.350	NA
2,4,5-Trichlorophenol		U	0.701	0.350	NA
Diphenylamine		U	0.701	0.350	NA
Azobenzene		U	0.701	0.350	NA
2-Chloronaphthalene		U	0.701	0.350	NA
2-Nitroaniline		U	0.701	0.350	NA
1,4-Dinitrobenzene		U	0.701	0.350	NA

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Duplicate of HD-12(0-0.5)

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100703-01DUP		
File ID:	D072214.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	7/2/2010	Decanted:	None
Date Received:	7/3/2010		
Date Prepared:	7/9/2010	Sample Size (g):	4.30
Date Cleanup:	NA	Percent Solid:	66%
Date Analyzed:	7/22/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100709-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
Dimethylphthalate	U	0.701	0.350	NA
1,3-Dinitrobenzene	U	0.701	0.350	NA
Acenaphthylene	U	0.701	0.350	NA
2,6-dinitrotoluene	U	0.701	0.350	NA
1,2-Dinitrobenzene	U	0.701	0.350	NA
3-Nitroaniline	U	0.701	0.350	NA
Acenaphthene	U	0.701	0.350	NA
2,4-Dinitrophenol	U	0.701	0.350	NA
4-Nitrophenol	U	0.701	0.350	NA
Dibenzofuran	U	0.701	0.350	NA
2,4-dinitrotoluene	U	0.701	0.350	NA
2,3,4,6-Tetrachlorophenol	U	0.701	0.350	NA
2,3,5,6-Tetrachlorophenol	U	0.701	0.350	NA
Diethylphthalate	U	0.701	0.350	NA
4-Chlorophenyl-phenylether	U	0.701	0.350	NA
Fluorene	U	0.701	0.350	NA
4-Nitroaniline	U	0.701	0.350	NA
4,6-Dinitro-2-methylphenol	U	0.701	0.350	NA
n-Nitrosodiphenylamine	U	0.701	0.350	NA
4-Bromophenyl phenyl ether	U	0.701	0.350	NA
Hexachlorobenzene	U	0.701	0.350	NA
Pentachlorophenol	U	0.701	0.350	NA
Phenanthrene	0.390 J	0.701	0.350	3.5
Anthracene	U	0.701	0.350	NA
Carbazole	U	0.701	0.350	NA
Di-n-butylphthalate	U	0.701	0.350	NA
Bis(2-ethylhexyl) adipate	U	0.701	0.350	NA
Fluoranthene	0.645 J	0.701	0.350	2.7
Pyrene	0.542 J	0.701	0.350	4.2
Butylbenzylphthalate	0.360 J	0.701	0.350	NA
Benz[a]anthracene	U	0.701	0.350	NA
Chrysene	0.414 J	0.701	0.350	5.2
bis(2-Ethylhexyl)phthalate	37.1	0.701	0.350	14.8
Di-n-octylphthalate	2.87	0.701	0.350	22.9
Benzo[b]fluoranthene	0.411 J	0.701	0.350	6.4
Benzo[k]fluoranthene	U	0.701	0.350	NA
Benzo[a]pyrene	U	0.701	0.350	NA
Indeno[1,2,3-cd]pyrene	U	0.701	0.350	NA
Dibenz[a,h]anthracene	U	0.701	0.350	NA
Benzo[g,h,i]perylene	U	0.701	0.350	NA

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Duplicate of HD-12(0-0.5)

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100703-01DUP		
File ID:	D072214.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	7/2/2010	Decanted:	None
Date Received:	7/3/2010		
Date Prepared:	7/9/2010	Sample Size (g):	4.30
Date Cleanup:	NA	Percent Solid:	66%
Date Analyzed:	7/22/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100709-SB		

Analyte	Concentration (mg/kg dry wt.)	RL	EDL	Comments
Extraction Surrogate Recoveries (%)		Limits		
Toluene-d8	69	50 - 120		
4-Bromofluorobenzene	85	50 - 120		
2-Fluorophenol	78	50 - 120		
Phenol-d5	105	50 - 120		
Nitrobenzene-d5	85	50 - 120		
2-Fluorobiphenyl	77	50 - 120		
2,4,6-Tribromophenol	90	50 - 120		
p-Terphenyl-d14	95	50 - 120		

NA - Not applicable.
B - Analyte detected in the Blank.
J - Estimated value; detected between the RL and DL.
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: FB061110 Acid

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3511
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-13-A		
File ID:	D071618.D	Matrix:	Water
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/17/2010	Sample Volume (ml)	35.50
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	7/17/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-AB-A		

Analyte	Concentration (µg/L)	RL	EDL	Comments
VOC & SVOC COMPOUNDS:				
cis-1,2-Dichloroethene	U	56.4	28.2	
2,2-Dichloropropane	U	56.4	28.2	
Chloroform	U	56.4	28.2	
1,1,1-Trichloroethane	U	56.4	28.2	
1,2-Dichloroethane	U	56.4	28.2	
1,1-Dichloropropene	U	56.4	28.2	
Benzene	U	56.4	28.2	
Carbon Tetrachloride	U	56.4	28.2	
1,2-Dichloropropane	U	56.4	28.2	
Trichloroethene	U	56.4	28.2	
Dibromomethane	U	56.4	28.2	
Bromodichloromethane	U	56.4	28.2	
Pyridine	U	56.4	28.2	
cis-1,3-Dichloropropene	U	56.4	28.2	
N-nitrosodimethylamine	U	56.4	28.2	
Toluene	U	56.4	28.2	
trans-1,3-Dichloropropene	U	56.4	28.2	
1,1,2-Trichloroethane	U	56.4	28.2	
1,3-Dichloropropane	U	56.4	28.2	
Dibromochloromethane	U	56.4	28.2	
1,2-Dibromoethane	U	56.4	28.2	
Tetrachloroethene	U	56.4	28.2	
Chlorobenzene	U	56.4	28.2	
1,1,1,2-Tetrachloroethane	U	56.4	28.2	
Ethylbenzene	U	56.4	28.2	
m/p-Xylenes	U	56.4	28.2	
Bromoform	U	56.4	28.2	
Styrene	U	56.4	28.2	
o-Xylene	U	56.4	28.2	
1,1,2,2-Tetrachloroethane	U	56.4	28.2	
1,2,3-Trichloropropane	U	56.4	28.2	
Isopropylbenzene	U	56.4	28.2	
Bromobenzene	U	56.4	28.2	
2-Chlorotoluene	U	56.4	28.2	
n-Propylbenzene	U	56.4	28.2	
4-Chlorotoluene	U	56.4	28.2	
1,3,5-Trimethylbenzene	U	56.4	28.2	
tert-Butylbenzene	U	56.4	28.2	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: FB061110 Acid

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3511
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-13-A		
File ID:	D071618.D	Matrix:	Water
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/17/2010	Sample Volume (ml)	35.50
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	7/17/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-AB-A		

Analyte	Concentration (µg/L)	RL	EDL	Comments
1,2,4-Trimethylbenzene	U	56.4	28.2	
sec-Butylbenzene	U	56.4	28.2	
Phenol	U	56.4	28.2	
bis(2-Chloroethyl)ether	U	56.4	28.2	
Aniline	U	56.4	28.2	
2-Chlorophenol	U	56.4	28.2	
1,3-Dichlorobenzene	U	56.4	28.2	
1,4-Dichlorobenzene	U	56.4	28.2	
p-Isopropyltoluene	U	56.4	28.2	
Benzyl Alcohol	U	56.4	28.2	
2-Methylphenol (m-cresol)	U	56.4	28.2	
1,2-Dichlorobenzene	U	56.4	28.2	
3,4-Methylphenol (o,p-cresol)	U	56.4	28.2	
bis(2-chloroisopropyl)ether	U	56.4	28.2	
n-Butylbenzene	U	56.4	28.2	
N-nitroso-di-n-propylamine	U	56.4	28.2	
Hexachloroethane	U	56.4	28.2	
1,2-Dibromo-3-Chloropropane	U	56.4	28.2	
Nitrobenzene	U	56.4	28.2	
Isophorone	U	56.4	28.2	
2-Nitrophenol	U	56.4	28.2	
2,4-Dimethylphenol	U	56.4	28.2	
bis(2-Chloroethoxy)methane	U	56.4	28.2	
1,2,4-Trichlorobenzene	U	56.4	28.2	
Naphthalene	U	56.4	28.2	
2,4-Dichlorophenol	U	56.4	28.2	
4-Chloroaniline	U	56.4	28.2	
Hexachlorobutadiene	U	56.4	28.2	
1,2,3-Trichlorobenzene	U	56.4	28.2	
4-Chloro-3-methylphenol	U	56.4	28.2	
2-Methylnaphthalene	U	56.4	28.2	
1-Methylnaphthalene	U	56.4	28.2	
Hexachlorocyclopentadiene	U	56.4	28.2	
2,4,6-Trichlorophenol	U	56.4	28.2	
2,4,5-Trichlorophenol	U	56.4	28.2	
Diphenylamine	U	56.4	28.2	
Azobenzene	U	56.4	28.2	
2-Chloronaphthalene	U	56.4	28.2	
2-Nitroaniline	U	56.4	28.2	
1,4-Dinitrobenzene	U	56.4	28.2	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: FB061110 Acid

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3511
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-13-A		
File ID:	D071618.D	Matrix:	Water
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/17/2010	Sample Volume (ml)	35.50
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	7/17/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-AB-A		

Analyte	Concentration (µg/L)	RL	EDL	Comments
Dimethylphthalate	U	56.4	28.2	
1,3-Dinitrobenzene	U	56.4	28.2	
Acenaphthylene	U	56.4	28.2	
2,6-dinitrotoluene	U	56.4	28.2	
1,2-Dinitrobenzene	U	56.4	28.2	
3-Nitroaniline	U	56.4	28.2	
Acenaphthene	U	56.4	28.2	
2,4-Dinitrophenol	U	56.4	28.2	
4-Nitrophenol	U	56.4	28.2	
Dibenzofuran	U	56.4	28.2	
2,4-dinitrotoluene	U	56.4	28.2	
2,3,4,6-Tetrachlorophenol	U	56.4	28.2	
2,3,5,6-Tetrachlorophenol	U	56.4	28.2	
Diethylphthalate	U	56.4	28.2	
4-Chlorophenyl-phenylether	U	56.4	28.2	
Fluorene	U	56.4	28.2	
4-Nitroaniline	U	56.4	28.2	
4,6-Dinitro-2-methylphenol	U	56.4	28.2	
n-Nitrosodiphenylamine	U	56.4	28.2	
4-Bromophenyl phenyl ether	U	56.4	28.2	
Hexachlorobenzene	U	56.4	28.2	
Pentachlorophenol	U	56.4	28.2	
Phenanthrene	U	56.4	28.2	
Anthracene	U	56.4	28.2	
Carbazole	U	56.4	28.2	
Di-n-butylphthalate	U	56.4	28.2	
Bis(2-ethylhexyl) adipate	U	56.4	28.2	
Fluoranthene	U	56.4	28.2	
Pyrene	U	56.4	28.2	
Butylbenzylphthalate	U	56.4	28.2	
Benz[a]anthracene	U	56.4	28.2	
Chrysene	U	56.4	28.2	
bis(2-Ethylhexyl)phthalate	U	56.4	28.2	
Di-n-octylphthalate	U	56.4	28.2	
Benzo[b]fluoranthene	U	56.4	28.2	
Benzo[k]fluoranthene	U	56.4	28.2	
Benzo[a]pyrene	U	56.4	28.2	
Indeno[1,2,3-cd]pyrene	U	56.4	28.2	
Dibenz[a,h]anthracene	U	56.4	28.2	
Benzo[g,h,i]perylene	U	56.4	28.2	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: FB061110 Acid

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3511
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-13-A		
File ID:	D071618.D	Matrix:	Water
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/17/2010	Sample Volume (ml)	35.50
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	7/17/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-AB-A		

Analyte	Concentration (µg/L)	RL	EDL	Comments
Extraction Surrogate Recoveries (%)		Limits		
Toluene-d8	97	50 - 120		
4-Bromofluorobenzene	105	50 - 120		
2-Fluorophenol	76	50 - 120		
Phenol-d5	77	50 - 120		
Nitrobenzene-d5	101	50 - 120		
2-Fluorobiphenyl	92	50 - 120		
2,4,6-Tribromophenol	110	50 - 120		
p-Terphenyl-d14	94	50 - 120		

NA - Not applicable.
B - Analyte detected in the Blank.
J - Estimated value; detected between the RL and DL.
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: FB061510 Acid

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3511
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-28-A		
File ID:	D071619.D	Matrix:	Water
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Volume (ml)	35.40
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	7/17/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-AB-A		

Analyte	Concentration (µg/L)	RL	EDL	Comments
VOC & SVOC COMPOUNDS:				
cis-1,2-Dichloroethene	U	56.4	28.2	
2,2-Dichloropropane	U	56.4	28.2	
Chloroform	U	56.4	28.2	
1,1,1-Trichloroethane	U	56.4	28.2	
1,2-Dichloroethane	U	56.4	28.2	
1,1-Dichloropropene	U	56.4	28.2	
Benzene	U	56.4	28.2	
Carbon Tetrachloride	U	56.4	28.2	
1,2-Dichloropropane	U	56.4	28.2	
Trichloroethene	U	56.4	28.2	
Dibromomethane	U	56.4	28.2	
Bromodichloromethane	U	56.4	28.2	
Pyridine	U	56.4	28.2	
cis-1,3-Dichloropropene	U	56.4	28.2	
N-nitrosodimethylamine	U	56.4	28.2	
Toluene	U	56.4	28.2	
trans-1,3-Dichloropropene	U	56.4	28.2	
1,1,2-Trichloroethane	U	56.4	28.2	
1,3-Dichloropropane	U	56.4	28.2	
Dibromochloromethane	U	56.4	28.2	
1,2-Dibromoethane	U	56.4	28.2	
Tetrachloroethene	U	56.4	28.2	
Chlorobenzene	U	56.4	28.2	
1,1,1,2-Tetrachloroethane	U	56.4	28.2	
Ethylbenzene	U	56.4	28.2	
m/p-Xylenes	U	56.4	28.2	
Bromoform	U	56.4	28.2	
Styrene	U	56.4	28.2	
o-Xylene	U	56.4	28.2	
1,1,2,2-Tetrachloroethane	U	56.4	28.2	
1,2,3-Trichloropropane	U	56.4	28.2	
Isopropylbenzene	U	56.4	28.2	
Bromobenzene	U	56.4	28.2	
2-Chlorotoluene	U	56.4	28.2	
n-Propylbenzene	U	56.4	28.2	
4-Chlorotoluene	U	56.4	28.2	
1,3,5-Trimethylbenzene	U	56.4	28.2	
tert-Butylbenzene	U	56.4	28.2	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: FB061510 Acid

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3511
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-28-A		
File ID:	D071619.D	Matrix:	Water
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Volume (ml)	35.40
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	7/17/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-AB-A		

Analyte	Concentration (µg/L)	RL	EDL	Comments
1,2,4-Trimethylbenzene	U	56.4	28.2	
sec-Butylbenzene	U	56.4	28.2	
Phenol	U	56.4	28.2	
bis(2-Chloroethyl)ether	U	56.4	28.2	
Aniline	U	56.4	28.2	
2-Chlorophenol	U	56.4	28.2	
1,3-Dichlorobenzene	U	56.4	28.2	
1,4-Dichlorobenzene	U	56.4	28.2	
p-Isopropyltoluene	U	56.4	28.2	
Benzyl Alcohol	U	56.4	28.2	
2-Methylphenol (m-cresol)	U	56.4	28.2	
1,2-Dichlorobenzene	U	56.4	28.2	
3,4-Methylphenol (o,p-cresol)	U	56.4	28.2	
bis(2-chloroisopropyl)ether	U	56.4	28.2	
n-Butylbenzene	U	56.4	28.2	
N-nitroso-di-n-propylamine	U	56.4	28.2	
Hexachloroethane	U	56.4	28.2	
1,2-Dibromo-3-Chloropropane	U	56.4	28.2	
Nitrobenzene	U	56.4	28.2	
Isophorone	U	56.4	28.2	
2-Nitrophenol	U	56.4	28.2	
2,4-Dimethylphenol	U	56.4	28.2	
bis(2-Chloroethoxy)methane	U	56.4	28.2	
1,2,4-Trichlorobenzene	U	56.4	28.2	
Naphthalene	U	56.4	28.2	
2,4-Dichlorophenol	U	56.4	28.2	
4-Chloroaniline	U	56.4	28.2	
Hexachlorobutadiene	U	56.4	28.2	
1,2,3-Trichlorobenzene	U	56.4	28.2	
4-Chloro-3-methylphenol	U	56.4	28.2	
2-Methylnaphthalene	U	56.4	28.2	
1-Methylnaphthalene	U	56.4	28.2	
Hexachlorocyclopentadiene	U	56.4	28.2	
2,4,6-Trichlorophenol	U	56.4	28.2	
2,4,5-Trichlorophenol	U	56.4	28.2	
Diphenylamine	U	56.4	28.2	
Azobenzene	U	56.4	28.2	
2-Chloronaphthalene	U	56.4	28.2	
2-Nitroaniline	U	56.4	28.2	
1,4-Dinitrobenzene	U	56.4	28.2	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: FB061510 Acid

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3511
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-28-A		
File ID:	D071619.D	Matrix:	Water
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Volume (ml)	35.40
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	7/17/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-AB-A		

Analyte	Concentration (µg/L)	RL	EDL	Comments
Dimethylphthalate	U	56.4	28.2	
1,3-Dinitrobenzene	U	56.4	28.2	
Acenaphthylene	U	56.4	28.2	
2,6-dinitrotoluene	U	56.4	28.2	
1,2-Dinitrobenzene	U	56.4	28.2	
3-Nitroaniline	U	56.4	28.2	
Acenaphthene	U	56.4	28.2	
2,4-Dinitrophenol	U	56.4	28.2	
4-Nitrophenol	U	56.4	28.2	
Dibenzofuran	U	56.4	28.2	
2,4-dinitrotoluene	U	56.4	28.2	
2,3,4,6-Tetrachlorophenol	U	56.4	28.2	
2,3,5,6-Tetrachlorophenol	U	56.4	28.2	
Diethylphthalate	U	56.4	28.2	
4-Chlorophenyl-phenylether	U	56.4	28.2	
Fluorene	U	56.4	28.2	
4-Nitroaniline	U	56.4	28.2	
4,6-Dinitro-2-methylphenol	U	56.4	28.2	
n-Nitrosodiphenylamine	U	56.4	28.2	
4-Bromophenyl phenyl ether	U	56.4	28.2	
Hexachlorobenzene	U	56.4	28.2	
Pentachlorophenol	U	56.4	28.2	
Phenanthrene	U	56.4	28.2	
Anthracene	U	56.4	28.2	
Carbazole	U	56.4	28.2	
Di-n-butylphthalate	U	56.4	28.2	
Bis(2-ethylhexyl) adipate	U	56.4	28.2	
Fluoranthene	U	56.4	28.2	
Pyrene	U	56.4	28.2	
Butylbenzylphthalate	U	56.4	28.2	
Benz[a]anthracene	U	56.4	28.2	
Chrysene	U	56.4	28.2	
bis(2-Ethylhexyl)phthalate	U	56.4	28.2	
Di-n-octylphthalate	U	56.4	28.2	
Benzo[b]fluoranthene	U	56.4	28.2	
Benzo[k]fluoranthene	U	56.4	28.2	
Benzo[a]pyrene	U	56.4	28.2	
Indeno[1,2,3-cd]pyrene	U	56.4	28.2	
Dibenz[a,h]anthracene	U	56.4	28.2	
Benzo[g,h,i]perylene	U	56.4	28.2	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: FB061510 Acid

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3511
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-28-A		
File ID:	D071619.D	Matrix:	Water
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Volume (ml)	35.40
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	7/17/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-AB-A		

Analyte	Concentration (µg/L)	RL	EDL	Comments
Extraction Surrogate Recoveries (%)		Limits		
Toluene-d8	96	50 - 120		
4-Bromofluorobenzene	107	50 - 120		
2-Fluorophenol	73	50 - 120		
Phenol-d5	76	50 - 120		
Nitrobenzene-d5	100	50 - 120		
2-Fluorobiphenyl	90	50 - 120		
2,4,6-Tribromophenol	106	50 - 120		
p-Terphenyl-d14	92	50 - 120		

NA - Not applicable.
B - Analyte detected in the Blank.
J - Estimated value; detected between the RL and DL.
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Aqueous Blank - Acid

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3511
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	QC100617-AB-A		
File ID:	D071616.D	Matrix:	Water
		Preservation:	None
Date Sampled:	NA	Decanted:	None
Date Received:	NA		
Date Prepared:	6/17/2010	Sample Volume (ml)	35.00
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	7/17/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-AB-A		

Analyte	Concentration (µg/L)	RL	EDL	Comments
VOC & SVOC COMPOUNDS:				
cis-1,2-Dichloroethene	U		28.6	
2,2-Dichloropropane	U	57.1	28.6	
Chloroform	U	57.1	28.6	
1,1,1-Trichloroethane	U	57.1	28.6	
1,2-Dichloroethane	U	57.1	28.6	
1,1-Dichloropropene	U	57.1	28.6	
Benzene	U	57.1	28.6	
Carbon Tetrachloride	U	57.1	28.6	
1,2-Dichloropropane	U	57.1	28.6	
Trichloroethene	U	57.1	28.6	
Dibromomethane	U	57.1	28.6	
Bromodichloromethane	U	57.1	28.6	
Pyridine	U	57.1	28.6	
cis-1,3-Dichloropropene	U	57.1	28.6	
N-nitrosodimethylamine	U	57.1	28.6	
Toluene	U	57.1	28.6	
trans-1,3-Dichloropropene	U	57.1	28.6	
1,1,2-Trichloroethane	U	57.1	28.6	
1,3-Dichloropropane	U	57.1	28.6	
Dibromochloromethane	U	57.1	28.6	
1,2-Dibromoethane	U	57.1	28.6	
Tetrachloroethene	U	57.1	28.6	
Chlorobenzene	U	57.1	28.6	
1,1,1,2-Tetrachloroethane	U	57.1	28.6	
Ethylbenzene	U	57.1	28.6	
m/p-Xylenes	U	57.1	28.6	
Bromoform	U	57.1	28.6	
Styrene	U	57.1	28.6	
o-Xylene	U	57.1	28.6	
1,1,2,2-Tetrachloroethane	U	57.1	28.6	
1,2,3-Trichloropropane	U	57.1	28.6	
Isopropylbenzene	U	57.1	28.6	
Bromobenzene	U	57.1	28.6	
2-Chlorotoluene	U	57.1	28.6	
n-Propylbenzene	U	57.1	28.6	
4-Chlorotoluene	U	57.1	28.6	
1,3,5-Trimethylbenzene	U	57.1	28.6	
tert-Butylbenzene	U	57.1	28.6	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Aqueous Blank - Acid

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3511
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	QC100617-AB-A		
File ID:	D071616.D	Matrix:	Water
		Preservation:	None
Date Sampled:	NA	Decanted:	None
Date Received:	NA		
Date Prepared:	6/17/2010	Sample Volume (ml)	35.00
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	7/17/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-AB-A		

Analyte	Concentration (µg/L)	RL	EDL	Comments
1,2,4-Trimethylbenzene	U	57.1	28.6	
sec-Butylbenzene	U	57.1	28.6	
Phenol	U	57.1	28.6	
bis(2-Chloroethyl)ether	U	57.1	28.6	
Aniline	U	57.1	28.6	
2-Chlorophenol	U	57.1	28.6	
1,3-Dichlorobenzene	U	57.1	28.6	
1,4-Dichlorobenzene	U	57.1	28.6	
p-Isopropyltoluene	U	57.1	28.6	
Benzyl Alcohol	U	57.1	28.6	
2-Methylphenol (m-cresol)	U	57.1	28.6	
1,2-Dichlorobenzene	U	57.1	28.6	
3,4-Methylphenol (o,p-cresol)	U	57.1	28.6	
bis(2-chloroisopropyl)ether	U	57.1	28.6	
n-Butylbenzene	U	57.1	28.6	
N-nitroso-di-n-propylamine	U	57.1	28.6	
Hexachloroethane	U	57.1	28.6	
1,2-Dibromo-3-Chloropropane	U	57.1	28.6	
Nitrobenzene	U	57.1	28.6	
Isophorone	U	57.1	28.6	
2-Nitrophenol	U	57.1	28.6	
2,4-Dimethylphenol	U	57.1	28.6	
bis(2-Chloroethoxy)methane	U	57.1	28.6	
1,2,4-Trichlorobenzene	U	57.1	28.6	
Naphthalene	U	57.1	28.6	
2,4-Dichlorophenol	U	57.1	28.6	
4-Chloroaniline	U	57.1	28.6	
Hexachlorobutadiene	U	57.1	28.6	
1,2,3-Trichlorobenzene	U	57.1	28.6	
4-Chloro-3-methylphenol	U	57.1	28.6	
2-Methylnaphthalene	U	57.1	28.6	
1-Methylnaphthalene	U	57.1	28.6	
Hexachlorocyclopentadiene	U	57.1	28.6	
2,4,6-Trichlorophenol	U	57.1	28.6	
2,4,5-Trichlorophenol	U	57.1	28.6	
Diphenylamine	U	57.1	28.6	
Azobenzene	U	57.1	28.6	
2-Chloronaphthalene	U	57.1	28.6	
2-Nitroaniline	U	57.1	28.6	
1,4-Dinitrobenzene	U	57.1	28.6	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Aqueous Blank - Acid

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3511
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	QC100617-AB-A		
File ID:	D071616.D	Matrix:	Water
		Preservation:	None
Date Sampled:	NA	Decanted:	None
Date Received:	NA		
Date Prepared:	6/17/2010	Sample Volume (ml)	35.00
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	7/17/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-AB-A		

Analyte	Concentration (µg/L)	RL	EDL	Comments
Dimethylphthalate	U	57.1	28.6	
1,3-Dinitrobenzene	U	57.1	28.6	
Acenaphthylene	U	57.1	28.6	
2,6-dinitrotoluene	U	57.1	28.6	
1,2-Dinitrobenzene	U	57.1	28.6	
3-Nitroaniline	U	57.1	28.6	
Acenaphthene	U	57.1	28.6	
2,4-Dinitrophenol	U	57.1	28.6	
4-Nitrophenol	U	57.1	28.6	
Dibenzofuran	U	57.1	28.6	
2,4-dinitrotoluene	U	57.1	28.6	
2,3,4,6-Tetrachlorophenol	U	57.1	28.6	
2,3,5,6-Tetrachlorophenol	U	57.1	28.6	
Diethylphthalate	U	57.1	28.6	
4-Chlorophenyl-phenylether	U	57.1	28.6	
Fluorene	U	57.1	28.6	
4-Nitroaniline	U	57.1	28.6	
4,6-Dinitro-2-methylphenol	U	57.1	28.6	
n-Nitrosodiphenylamine	U	57.1	28.6	
4-Bromophenyl phenyl ether	U	57.1	28.6	
Hexachlorobenzene	U	57.1	28.6	
Pentachlorophenol	U	57.1	28.6	
Phenanthrene	U	57.1	28.6	
Anthracene	U	57.1	28.6	
Carbazole	U	57.1	28.6	
Di-n-butylphthalate	U	57.1	28.6	
Bis(2-ethylhexyl) adipate	U	57.1	28.6	
Fluoranthene	U	57.1	28.6	
Pyrene	U	57.1	28.6	
Butylbenzylphthalate	U	57.1	28.6	
Benz[a]anthracene	U	57.1	28.6	
Chrysene	U	57.1	28.6	
bis(2-Ethylhexyl)phthalate	U	57.1	28.6	
Di-n-octylphthalate	U	57.1	28.6	
Benzo[b]fluoranthene	U	57.1	28.6	
Benzo[k]fluoranthene	U	57.1	28.6	
Benzo[a]pyrene	U	57.1	28.6	
Indeno[1,2,3-cd]pyrene	U	57.1	28.6	
Dibenz[a,h]anthracene	U	57.1	28.6	
Benzo[g,h,i]perylene	U	57.1	28.6	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Aqueous Blank - Acid

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3511
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	QC100617-AB-A		
File ID:	D071616.D	Matrix:	Water
		Preservation:	None
Date Sampled:	NA	Decanted:	None
Date Received:	NA		
Date Prepared:	6/17/2010	Sample Volume (ml)	35.00
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	7/17/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-AB-A		

Analyte	Concentration (µg/L)	RL	EDL	Comments
Extraction Surrogate Recoveries (%)		Limits		
Toluene-d8	94	50 - 120		
4-Bromofluorobenzene	108	50 - 120		
2-Fluorophenol	77	50 - 120		
Phenol-d5	78	50 - 120		
Nitrobenzene-d5	105	50 - 120		
2-Fluorobiphenyl	95	50 - 120		
2,4,6-Tribromophenol	110	50 - 120		
p-Terphenyl-d14	96	50 - 120		

NA - Not applicable.
B - Analyte detected in the Blank.
J - Estimated value; detected between the RL and DL.
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Aqueous Blank Spike - Acid

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3511
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	QC100617-ABS-A		
File ID:	D071617.D	Matrix:	Water
		Preservation:	None
Date Sampled:	NA	Decanted:	None
Date Received:	NA		
Date Prepared:	6/17/2010	Sample Volume (ml)	35.00
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	7/17/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-AB-A		

Analyte	Concentration (µg/L)			RL	EDL	Comments
VOC & SVOC COMPOUNDS:	Spike Amount					% Recovery
cis-1,2-Dichloroethene	1430	1,470		57.1	28.6	103
2,2-Dichloropropane	1430	1,540		57.1	28.6	108
Chloroform	1430	1,400		57.1	28.6	98
1,1,1-Trichloroethane	1430	1,550		57.1	28.6	108
1,2-Dichloroethane	1430	1,520		57.1	28.6	106
1,1-Dichloropropene	1430	1,500		57.1	28.6	105
Benzene	1430	1,490		57.1	28.6	104
Carbon Tetrachloride	1430	1,480		57.1	28.6	103
1,2-Dichloropropane	1430	1,420		57.1	28.6	99
Trichloroethene	1430	1,420		57.1	28.6	99
Dibromomethane	1430	1,480		57.1	28.6	103
Bromodichloromethane	1430	1,560		57.1	28.6	109
Pyridine			U	57.1	28.6	
cis-1,3-Dichloropropene	1430	1,470		57.1	28.6	103
N-nitrosodimethylamine	1430	462		57.1	28.6	32
Toluene	1430	1,420		57.1	28.6	99
trans-1,3-Dichloropropene	1430	1,540		57.1	28.6	108
1,1,2-Trichloroethane	1430	1,450		57.1	28.6	101
1,3-Dichloropropane	1430	1,520		57.1	28.6	106
Dibromochloromethane	1430	1,560		57.1	28.6	109
1,2-Dibromoethane	1430	1,530		57.1	28.6	107
Tetrachloroethene	1430	1,510		57.1	28.6	106
Chlorobenzene	1430	1,500		57.1	28.6	105
1,1,1,2-Tetrachloroethane	1430	1,530		57.1	28.6	107
Ethylbenzene	1430	1,500		57.1	28.6	105
m/p-Xylenes	1430	1,640		57.1	28.6	115
Bromoform	1430	1,580		57.1	28.6	110
Styrene	1430	1,530		57.1	28.6	107
o-Xylene	1430	1,470		57.1	28.6	103
1,1,2,2-Tetrachloroethane	1430	1,490		57.1	28.6	104
1,2,3-Trichloropropane	1430	1,520		57.1	28.6	106
Isopropylbenzene	1430	1,440		57.1	28.6	101
Bromobenzene	1430	1,520		57.1	28.6	106
2-Chlorotoluene	1430	1,510		57.1	28.6	106
n-Propylbenzene	1430	1,460		57.1	28.6	102
4-Chlorotoluene	1430	1,480		57.1	28.6	103
1,3,5-Trimethylbenzene	1430	1,490		57.1	28.6	104
tert-Butylbenzene	1430	1,430		57.1	28.6	100

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Aqueous Blank Spike - Acid

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3511
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	QC100617-ABS-A		
File ID:	D071617.D	Matrix:	Water
		Preservation:	None
Date Sampled:	NA	Decanted:	None
Date Received:	NA		
Date Prepared:	6/17/2010	Sample Volume (ml)	35.00
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	7/17/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-AB-A		

Analyte	Concentration (µg/L)			RL	EDL	Comments
1,2,4-Trimethylbenzene	1430	1,430		57.1	28.6	100
sec-Butylbenzene	1430	1,470		57.1	28.6	103
Phenol	1430	888		57.1	28.6	62
bis(2-Chloroethyl)ether	1430	1,520		57.1	28.6	106
Aniline	1430		U	57.1	28.6	
2-Chlorophenol	1430	1,450		57.1	28.6	101
1,3-Dichlorobenzene	2860	3,160		57.1	28.6	110
1,4-Dichlorobenzene	2860	3,220		57.1	28.6	113
p-Isopropyltoluene	1430	1,490		57.1	28.6	104
Benzyl Alcohol	1430	1,160		57.1	28.6	81
2-Methylphenol (m-cresol)	1430	1,360		57.1	28.6	95
1,2-Dichlorobenzene	2860	3,220		57.1	28.6	113
3,4-Methylphenol (o,p-cresol)	1430	1,260		57.1	28.6	88
bis(2-chloroisopropyl)ether	1430	1,460		57.1	28.6	102
n-Butylbenzene	1430	1,480		57.1	28.6	103
N-nitroso-di-n-propylamine	1430	1,540		57.1	28.6	108
Hexachloroethane	1430	1,530		57.1	28.6	107
1,2-Dibromo-3-Chloropropane	1430	1,530		57.1	28.6	107
Nitrobenzene	1430	1,520		57.1	28.6	106
Isophorone	1430	1,490		57.1	28.6	104
2-Nitrophenol	1430	1,500		57.1	28.6	105
2,4-Dimethylphenol	1430	1,520		57.1	28.6	106
bis(2-Chloroethoxy)methane	1430	1,510		57.1	28.6	106
1,2,4-Trichlorobenzene	2860	3,160		57.1	28.6	110
Naphthalene	2860	3,260		57.1	28.6	114
2,4-Dichlorophenol	1430	1,480		57.1	28.6	103
4-Chloroaniline	1430		U	57.1	28.6	
Hexachlorobutadiene	2860	3,100		57.1	28.6	108
1,2,3-Trichlorobenzene	1430	1,510		57.1	28.6	106
4-Chloro-3-methylphenol	1430	1,540		57.1	28.6	108
2-Methylnaphthalene	1430	1,370		57.1	28.6	96
1-Methylnaphthalene	1430	1,450		57.1	28.6	101
Hexachlorocyclopentadiene	1430	1,430		57.1	28.6	100
2,4,6-Trichlorophenol	1430	1,430		57.1	28.6	100
2,4,5-Trichlorophenol	1430	1,400		57.1	28.6	98
Diphenylamine	1430	1,360		57.1	28.6	95
Azobenzene	1430	1,380		57.1	28.6	97
2-Chloronaphthalene	1430	1,380		57.1	28.6	97
2-Nitroaniline	1430	1,410		57.1	28.6	99
1,4-Dinitrobenzene	1430	1,580		57.1	28.6	110

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Aqueous Blank Spike - Acid

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3511
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	QC100617-ABS-A		
File ID:	D071617.D	Matrix:	Water
		Preservation:	None
Date Sampled:	NA	Decanted:	None
Date Received:	NA		
Date Prepared:	6/17/2010	Sample Volume (ml)	35.00
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	7/17/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-AB-A		

Analyte		Concentration (µg/L)	RL	EDL	Comments
Dimethylphthalate	1430	1,400	57.1	28.6	98
1,3-Dinitrobenzene	1430	1,450	57.1	28.6	101
Acenaphthylene	1430	1,300	57.1	28.6	91
2,6-dinitrotoluene	1430	1,500	57.1	28.6	105
1,2-Dinitrobenzene	1430	1,510	57.1	28.6	106
3-Nitroaniline	1430	101	57.1	28.6	7
Acenaphthene	1430	1,370	57.1	28.6	96
2,4-Dinitrophenol	1430	1,380	57.1	28.6	97
4-Nitrophenol	1430	623	57.1	28.6	44
Dibenzofuran	1430	1,360	57.1	28.6	95
2,4-dinitrotoluene	1430	1,560	57.1	28.6	109
2,3,4,6-Tetrachlorophenol	1430	1,450	57.1	28.6	101
2,3,5,6-Tetrachlorophenol	1430	1,450	57.1	28.6	101
Diethylphthalate	1430	1,400	57.1	28.6	98
4-Chlorophenyl-phenylether	1430	1,420	57.1	28.6	99
Fluorene	1430	1,360	57.1	28.6	95
4-Nitroaniline	1430	829	57.1	28.6	58
4,6-Dinitro-2-methylphenol	1430	1,740	57.1	28.6	122
n-Nitrosodiphenylamine	1430	1,390	57.1	28.6	97
4-Bromophenyl phenyl ether	1430	1,420	57.1	28.6	99
Hexachlorobenzene	1430	1,560	57.1	28.6	109
Pentachlorophenol	1430	1,580	57.1	28.6	110
Phenanthrene	1430	1,580	57.1	28.6	110
Anthracene	1430	1,600	57.1	28.6	112
Carbazole	1430	1,430	57.1	28.6	100
Di-n-butylphthalate	1430	1,410	57.1	28.6	99
Bis(2-ethylhexyl) adipate	1430	1,490	57.1	28.6	104
Fluoranthene	1430	1,560	57.1	28.6	109
Pyrene	1430	1,550	57.1	28.6	108
Butylbenzylphthalate	1430	1,670	57.1	28.6	117
Benz[a]anthracene	1430	1,470	57.1	28.6	103
Chrysene	1430	1,390	57.1	28.6	97
bis(2-Ethylhexyl)phthalate	1430	1,650	57.1	28.6	115
Di-n-octylphthalate	1430	1,650	57.1	28.6	115
Benzo[b]fluoranthene	1430	1,390	57.1	28.6	97
Benzo[k]fluoranthene	1430	1,620	57.1	28.6	113
Benzo[a]pyrene	1430	1,470	57.1	28.6	103
Indeno[1,2,3-cd]pyrene	1430	1,490	57.1	28.6	104
Dibenz[a,h]anthracene	1430	1,590	57.1	28.6	111
Benzo[g,h,i]perylene	1430	1,450	57.1	28.6	101

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Aqueous Blank Spike - Acid

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3511
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	QC100617-ABS-A		
File ID:	D071617.D	Matrix:	Water
		Preservation:	None
Date Sampled:	NA	Decanted:	None
Date Received:	NA		
Date Prepared:	6/17/2010	Sample Volume (ml)	35.00
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	7/17/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-AB-A		

Analyte	Concentration (µg/L)	RL	EDL	Comments
Extraction Surrogate Recoveries (%)		Limits		
Toluene-d8	94	50 - 120		
4-Bromofluorobenzene	102	50 - 120		
2-Fluorophenol	73	50 - 120		
Phenol-d5	74	50 - 120		
Nitrobenzene-d5	108	50 - 120		
2-Fluorobiphenyl	95	50 - 120		
2,4,6-Tribromophenol	110	50 - 120		
p-Terphenyl-d14	103	50 - 120		

NA - Not applicable.
B - Analyte detected in the Blank.
J - Estimated value; detected between the RL and DL.
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: FB061110 - Base

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3511
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-13-B		
File ID:	D071622.D	Matrix:	Water
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/17/2010	Sample Volume (ml)	35.90
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	7/17/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-AB1-B		

Analyte	Concentration (µg/L)	RL	EDL	Comments
VOC & SVOC COMPOUNDS:				
cis-1,2-Dichloroethene	U	55.7	27.9	
2,2-Dichloropropane	U	55.7	27.9	
Chloroform	U	55.7	27.9	
1,1,1-Trichloroethane	U	55.7	27.9	
1,2-Dichloroethane	U	55.7	27.9	
1,1-Dichloropropene	U	55.7	27.9	
Benzene	U	55.7	27.9	
Carbon Tetrachloride	U	55.7	27.9	
1,2-Dichloropropane	U	55.7	27.9	
Trichloroethene	U	55.7	27.9	
Dibromomethane	U	55.7	27.9	
Bromodichloromethane	U	55.7	27.9	
Pyridine	U	55.7	27.9	
cis-1,3-Dichloropropene	U	55.7	27.9	
N-nitrosodimethylamine	U	55.7	27.9	
Toluene	U	55.7	27.9	
trans-1,3-Dichloropropene	U	55.7	27.9	
1,1,2-Trichloroethane	U	55.7	27.9	
1,3-Dichloropropane	U	55.7	27.9	
Dibromochloromethane	U	55.7	27.9	
1,2-Dibromoethane	U	55.7	27.9	
Tetrachloroethene	U	55.7	27.9	
Chlorobenzene	U	55.7	27.9	
1,1,1,2-Tetrachloroethane	U	55.7	27.9	
Ethylbenzene	U	55.7	27.9	
m/p-Xylenes	U	55.7	27.9	
Bromoform	U	55.7	27.9	
Styrene	U	55.7	27.9	
o-Xylene	U	55.7	27.9	
1,1,2,2-Tetrachloroethane	U	55.7	27.9	
1,2,3-Trichloropropane	U	55.7	27.9	
Isopropylbenzene	U	55.7	27.9	
Bromobenzene	U	55.7	27.9	
2-Chlorotoluene	U	55.7	27.9	
n-Propylbenzene	U	55.7	27.9	
4-Chlorotoluene	U	55.7	27.9	
1,3,5-Trimethylbenzene	U	55.7	27.9	
tert-Butylbenzene	U	55.7	27.9	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: FB061110 - Base

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3511
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-13-B		
File ID:	D071622.D	Matrix:	Water
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/17/2010	Sample Volume (ml)	35.90
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	7/17/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-AB1-B		

Analyte	Concentration (µg/L)	RL	EDL	Comments
1,2,4-Trimethylbenzene	U	55.7	27.9	
sec-Butylbenzene	U	55.7	27.9	
Phenol	U	55.7	27.9	
bis(2-Chloroethyl)ether	U	55.7	27.9	
Aniline	U	55.7	27.9	
2-Chlorophenol	U	55.7	27.9	
1,3-Dichlorobenzene	U	55.7	27.9	
1,4-Dichlorobenzene	U	55.7	27.9	
p-Isopropyltoluene	U	55.7	27.9	
Benzyl Alcohol	U	55.7	27.9	
2-Methylphenol (m-cresol)	U	55.7	27.9	
1,2-Dichlorobenzene	U	55.7	27.9	
3,4-Methylphenol (o,p-cresol)	U	55.7	27.9	
bis(2-chloroisopropyl)ether	U	55.7	27.9	
n-Butylbenzene	U	55.7	27.9	
N-nitroso-di-n-propylamine	U	55.7	27.9	
Hexachloroethane	U	55.7	27.9	
1,2-Dibromo-3-Chloropropane	U	55.7	27.9	
Nitrobenzene	U	55.7	27.9	
Isophorone	U	55.7	27.9	
2-Nitrophenol	U	55.7	27.9	
2,4-Dimethylphenol	U	55.7	27.9	
bis(2-Chloroethoxy)methane	U	55.7	27.9	
1,2,4-Trichlorobenzene	U	55.7	27.9	
Naphthalene	U	55.7	27.9	
2,4-Dichlorophenol	U	55.7	27.9	
4-Chloroaniline	U	55.7	27.9	
Hexachlorobutadiene	U	55.7	27.9	
1,2,3-Trichlorobenzene	U	55.7	27.9	
4-Chloro-3-methylphenol	U	55.7	27.9	
2-Methylnaphthalene	U	55.7	27.9	
1-Methylnaphthalene	U	55.7	27.9	
Hexachlorocyclopentadiene	U	55.7	27.9	
2,4,6-Trichlorophenol	U	55.7	27.9	
2,4,5-Trichlorophenol	U	55.7	27.9	
Diphenylamine	U	55.7	27.9	
Azobenzene	U	55.7	27.9	
2-Chloronaphthalene	U	55.7	27.9	
2-Nitroaniline	U	55.7	27.9	
1,4-Dinitrobenzene	U	55.7	27.9	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: FB061110 - Base

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3511
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-13-B		
File ID:	D071622.D	Matrix:	Water
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/17/2010	Sample Volume (ml)	35.90
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	7/17/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-AB1-B		

Analyte	Concentration (µg/L)	RL	EDL	Comments
Dimethylphthalate	U	55.7	27.9	
1,3-Dinitrobenzene	U	55.7	27.9	
Acenaphthylene	U	55.7	27.9	
2,6-dinitrotoluene	U	55.7	27.9	
1,2-Dinitrobenzene	U	55.7	27.9	
3-Nitroaniline	U	55.7	27.9	
Acenaphthene	U	55.7	27.9	
2,4-Dinitrophenol	U	55.7	27.9	
4-Nitrophenol	U	55.7	27.9	
Dibenzofuran	U	55.7	27.9	
2,4-dinitrotoluene	U	55.7	27.9	
2,3,4,6-Tetrachlorophenol	U	55.7	27.9	
2,3,5,6-Tetrachlorophenol	U	55.7	27.9	
Diethylphthalate	U	55.7	27.9	
4-Chlorophenyl-phenylether	U	55.7	27.9	
Fluorene	U	55.7	27.9	
4-Nitroaniline	U	55.7	27.9	
4,6-Dinitro-2-methylphenol	U	55.7	27.9	
n-Nitrosodiphenylamine	U	55.7	27.9	
4-Bromophenyl phenyl ether	U	55.7	27.9	
Hexachlorobenzene	U	55.7	27.9	
Pentachlorophenol	U	55.7	27.9	
Phenanthrene	U	55.7	27.9	
Anthracene	U	55.7	27.9	
Carbazole	U	55.7	27.9	
Di-n-butylphthalate	U	55.7	27.9	
Bis(2-ethylhexyl) adipate	U	55.7	27.9	
Fluoranthene	U	55.7	27.9	
Pyrene	U	55.7	27.9	
Butylbenzylphthalate	U	55.7	27.9	
Benz[a]anthracene	U	55.7	27.9	
Chrysene	U	55.7	27.9	
bis(2-Ethylhexyl)phthalate	U	55.7	27.9	
Di-n-octylphthalate	U	55.7	27.9	
Benzo[b]fluoranthene	U	55.7	27.9	
Benzo[k]fluoranthene	U	55.7	27.9	
Benzo[a]pyrene	U	55.7	27.9	
Indeno[1,2,3-cd]pyrene	U	55.7	27.9	
Dibenz[a,h]anthracene	U	55.7	27.9	
Benzo[g,h,i]perylene	U	55.7	27.9	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: FB061110 - Base

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3511
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-13-B		
File ID:	D071622.D	Matrix:	Water
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/17/2010	Sample Volume (ml)	35.90
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	7/17/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-AB1-B		

Analyte	Concentration (µg/L)	RL	EDL	Comments
Extraction Surrogate Recoveries (%)		Limits		
Toluene-d8	95	50 - 120		
4-Bromofluorobenzene	108	50 - 120		
2-Fluorophenol		50 - 120		
Phenol-d5		50 - 120		
Nitrobenzene-d5	104	50 - 120		
2-Fluorobiphenyl	92	50 - 120		
2,4,6-Tribromophenol		50 - 120		
p-Terphenyl-d14	93	50 - 120		

NA - Not applicable.
B - Analyte detected in the Blank.
J - Estimated value; detected between the RL and DL.
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: FB061510 - Base

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3511
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-28-B		
File ID:	D071623.D	Matrix:	Water
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Volume (ml)	36.50
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	7/17/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-AB1-B		

Analyte	Concentration (µg/L)	RL	EDL	Comments
VOC & SVOC COMPOUNDS:				
cis-1,2-Dichloroethene	U	54.7	27.4	
2,2-Dichloropropane	U	54.7	27.4	
Chloroform	U	54.7	27.4	
1,1,1-Trichloroethane	U	54.7	27.4	
1,2-Dichloroethane	U	54.7	27.4	
1,1-Dichloropropene	U	54.7	27.4	
Benzene	U	54.7	27.4	
Carbon Tetrachloride	U	54.7	27.4	
1,2-Dichloropropane	U	54.7	27.4	
Trichloroethene	U	54.7	27.4	
Dibromomethane	U	54.7	27.4	
Bromodichloromethane	U	54.7	27.4	
Pyridine	U	54.7	27.4	
cis-1,3-Dichloropropene	U	54.7	27.4	
N-nitrosodimethylamine	U	54.7	27.4	
Toluene	U	54.7	27.4	
trans-1,3-Dichloropropene	U	54.7	27.4	
1,1,2-Trichloroethane	U	54.7	27.4	
1,3-Dichloropropane	U	54.7	27.4	
Dibromochloromethane	U	54.7	27.4	
1,2-Dibromoethane	U	54.7	27.4	
Tetrachloroethene	U	54.7	27.4	
Chlorobenzene	U	54.7	27.4	
1,1,1,2-Tetrachloroethane	U	54.7	27.4	
Ethylbenzene	U	54.7	27.4	
m/p-Xylenes	U	54.7	27.4	
Bromoform	U	54.7	27.4	
Styrene	U	54.7	27.4	
o-Xylene	U	54.7	27.4	
1,1,2,2-Tetrachloroethane	U	54.7	27.4	
1,2,3-Trichloropropane	U	54.7	27.4	
Isopropylbenzene	U	54.7	27.4	
Bromobenzene	U	54.7	27.4	
2-Chlorotoluene	U	54.7	27.4	
n-Propylbenzene	U	54.7	27.4	
4-Chlorotoluene	U	54.7	27.4	
1,3,5-Trimethylbenzene	U	54.7	27.4	
tert-Butylbenzene	U	54.7	27.4	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: FB061510 - Base

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3511
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-28-B		
File ID:	D071623.D	Matrix:	Water
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Volume (ml)	36.50
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	7/17/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-AB1-B		

Analyte	Concentration (µg/L)	RL	EDL	Comments
1,2,4-Trimethylbenzene	U	54.7	27.4	
sec-Butylbenzene	U	54.7	27.4	
Phenol	U	54.7	27.4	
bis(2-Chloroethyl)ether	U	54.7	27.4	
Aniline	U	54.7	27.4	
2-Chlorophenol	U	54.7	27.4	
1,3-Dichlorobenzene	U	54.7	27.4	
1,4-Dichlorobenzene	U	54.7	27.4	
p-Isopropyltoluene	U	54.7	27.4	
Benzyl Alcohol	U	54.7	27.4	
2-Methylphenol (m-cresol)	U	54.7	27.4	
1,2-Dichlorobenzene	U	54.7	27.4	
3,4-Methylphenol (o,p-cresol)	U	54.7	27.4	
bis(2-chloroisopropyl)ether	U	54.7	27.4	
n-Butylbenzene	U	54.7	27.4	
N-nitroso-di-n-propylamine	U	54.7	27.4	
Hexachloroethane	U	54.7	27.4	
1,2-Dibromo-3-Chloropropane	U	54.7	27.4	
Nitrobenzene	U	54.7	27.4	
Isophorone	U	54.7	27.4	
2-Nitrophenol	U	54.7	27.4	
2,4-Dimethylphenol	U	54.7	27.4	
bis(2-Chloroethoxy)methane	U	54.7	27.4	
1,2,4-Trichlorobenzene	U	54.7	27.4	
Naphthalene	U	54.7	27.4	
2,4-Dichlorophenol	U	54.7	27.4	
4-Chloroaniline	U	54.7	27.4	
Hexachlorobutadiene	U	54.7	27.4	
1,2,3-Trichlorobenzene	U	54.7	27.4	
4-Chloro-3-methylphenol	U	54.7	27.4	
2-Methylnaphthalene	U	54.7	27.4	
1-Methylnaphthalene	U	54.7	27.4	
Hexachlorocyclopentadiene	U	54.7	27.4	
2,4,6-Trichlorophenol	U	54.7	27.4	
2,4,5-Trichlorophenol	U	54.7	27.4	
Diphenylamine	U	54.7	27.4	
Azobenzene	U	54.7	27.4	
2-Chloronaphthalene	U	54.7	27.4	
2-Nitroaniline	U	54.7	27.4	
1,4-Dinitrobenzene	U	54.7	27.4	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: FB061510 - Base

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3511
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-28-B		
File ID:	D071623.D	Matrix:	Water
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Volume (ml)	36.50
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	7/17/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-AB1-B		

Analyte	Concentration (µg/L)	RL	EDL	Comments
Dimethylphthalate	U	54.7	27.4	
1,3-Dinitrobenzene	U	54.7	27.4	
Acenaphthylene	U	54.7	27.4	
2,6-dinitrotoluene	U	54.7	27.4	
1,2-Dinitrobenzene	U	54.7	27.4	
3-Nitroaniline	U	54.7	27.4	
Acenaphthene	U	54.7	27.4	
2,4-Dinitrophenol	U	54.7	27.4	
4-Nitrophenol	U	54.7	27.4	
Dibenzofuran	U	54.7	27.4	
2,4-dinitrotoluene	U	54.7	27.4	
2,3,4,6-Tetrachlorophenol	U	54.7	27.4	
2,3,5,6-Tetrachlorophenol	U	54.7	27.4	
Diethylphthalate	U	54.7	27.4	
4-Chlorophenyl-phenylether	U	54.7	27.4	
Fluorene	U	54.7	27.4	
4-Nitroaniline	U	54.7	27.4	
4,6-Dinitro-2-methylphenol	U	54.7	27.4	
n-Nitrosodiphenylamine	U	54.7	27.4	
4-Bromophenyl phenyl ether	U	54.7	27.4	
Hexachlorobenzene	U	54.7	27.4	
Pentachlorophenol	U	54.7	27.4	
Phenanthrene	U	54.7	27.4	
Anthracene	U	54.7	27.4	
Carbazole	U	54.7	27.4	
Di-n-butylphthalate	U	54.7	27.4	
Bis(2-ethylhexyl) adipate	U	54.7	27.4	
Fluoranthene	U	54.7	27.4	
Pyrene	U	54.7	27.4	
Butylbenzylphthalate	U	54.7	27.4	
Benz[a]anthracene	U	54.7	27.4	
Chrysene	U	54.7	27.4	
bis(2-Ethylhexyl)phthalate	U	54.7	27.4	
Di-n-octylphthalate	U	54.7	27.4	
Benzo[b]fluoranthene	U	54.7	27.4	
Benzo[k]fluoranthene	U	54.7	27.4	
Benzo[a]pyrene	U	54.7	27.4	
Indeno[1,2,3-cd]pyrene	U	54.7	27.4	
Dibenz[a,h]anthracene	U	54.7	27.4	
Benzo[g,h,i]perylene	U	54.7	27.4	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: FB061510 - Base

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3511
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100616-28-B		
File ID:	D071623.D	Matrix:	Water
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Volume (ml)	36.50
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	7/17/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-AB1-B		

Analyte	Concentration (µg/L)	RL	EDL	Comments
Extraction Surrogate Recoveries (%)		Limits		
Toluene-d8	90	50 - 120		
4-Bromofluorobenzene	98	50 - 120		
2-Fluorophenol		50 - 120		
Phenol-d5		50 - 120		
Nitrobenzene-d5	101	50 - 120		
2-Fluorobiphenyl	92	50 - 120		
2,4,6-Tribromophenol		50 - 120		
p-Terphenyl-d14	94	50 - 120		

NA - Not applicable.
B - Analyte detected in the Blank.
J - Estimated value; detected between the RL and DL.
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Aqueous Blank - Base

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3511
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	QC100617-AB1-B		
File ID:	D071620.D	Matrix:	Water
		Preservation:	None
Date Sampled:	NA	Decanted:	None
Date Received:	NA		
Date Prepared:	6/17/2010	Sample Volume (ml)	35.00
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	7/17/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-AB1-B		

Analyte	Concentration (µg/L)	RL	EDL	Comments
VOC & SVOC COMPOUNDS:				
cis-1,2-Dichloroethene	U	57.1	28.6	
2,2-Dichloropropane	U	57.1	28.6	
Chloroform	U	57.1	28.6	
1,1,1-Trichloroethane	U	57.1	28.6	
1,2-Dichloroethane	U	57.1	28.6	
1,1-Dichloropropene	U	57.1	28.6	
Benzene	U	57.1	28.6	
Carbon Tetrachloride	U	57.1	28.6	
1,2-Dichloropropane	U	57.1	28.6	
Trichloroethene	U	57.1	28.6	
Dibromomethane	U	57.1	28.6	
Bromodichloromethane	U	57.1	28.6	
Pyridine	U	57.1	28.6	
cis-1,3-Dichloropropene	U	57.1	28.6	
N-nitrosodimethylamine	U	57.1	28.6	
Toluene	U	57.1	28.6	
trans-1,3-Dichloropropene	U	57.1	28.6	
1,1,2-Trichloroethane	U	57.1	28.6	
1,3-Dichloropropane	U	57.1	28.6	
Dibromochloromethane	U	57.1	28.6	
1,2-Dibromoethane	U	57.1	28.6	
Tetrachloroethene	U	57.1	28.6	
Chlorobenzene	U	57.1	28.6	
1,1,1,2-Tetrachloroethane	U	57.1	28.6	
Ethylbenzene	U	57.1	28.6	
m/p-Xylenes	U	57.1	28.6	
Bromoform	U	57.1	28.6	
Styrene	U	57.1	28.6	
o-Xylene	U	57.1	28.6	
1,1,2,2-Tetrachloroethane	U	57.1	28.6	
1,2,3-Trichloropropane	U	57.1	28.6	
Isopropylbenzene	U	57.1	28.6	
Bromobenzene	U	57.1	28.6	
2-Chlorotoluene	U	57.1	28.6	
n-Propylbenzene	U	57.1	28.6	
4-Chlorotoluene	U	57.1	28.6	
1,3,5-Trimethylbenzene	U	57.1	28.6	
tert-Butylbenzene	U	57.1	28.6	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Aqueous Blank - Base

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3511
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	QC100617-AB1-B		
File ID:	D071620.D	Matrix:	Water
		Preservation:	None
Date Sampled:	NA	Decanted:	None
Date Received:	NA		
Date Prepared:	6/17/2010	Sample Volume (ml)	35.00
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	7/17/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-AB1-B		

Analyte	Concentration (µg/L)	RL	EDL	Comments
1,2,4-Trimethylbenzene	U	57.1	28.6	
sec-Butylbenzene	U	57.1	28.6	
Phenol	U	57.1	28.6	
bis(2-Chloroethyl)ether	U	57.1	28.6	
Aniline	U	57.1	28.6	
2-Chlorophenol	U	57.1	28.6	
1,3-Dichlorobenzene	U	57.1	28.6	
1,4-Dichlorobenzene	U	57.1	28.6	
p-Isopropyltoluene	U	57.1	28.6	
Benzyl Alcohol	U	57.1	28.6	
2-Methylphenol (m-cresol)	U	57.1	28.6	
1,2-Dichlorobenzene	U	57.1	28.6	
3,4-Methylphenol (o,p-cresol)	U	57.1	28.6	
bis(2-chloroisopropyl)ether	U	57.1	28.6	
n-Butylbenzene	U	57.1	28.6	
N-nitroso-di-n-propylamine	U	57.1	28.6	
Hexachloroethane	U	57.1	28.6	
1,2-Dibromo-3-Chloropropane	U	57.1	28.6	
Nitrobenzene	U	57.1	28.6	
Isophorone	U	57.1	28.6	
2-Nitrophenol	U	57.1	28.6	
2,4-Dimethylphenol	U	57.1	28.6	
bis(2-Chloroethoxy)methane	U	57.1	28.6	
1,2,4-Trichlorobenzene	U	57.1	28.6	
Naphthalene	U	57.1	28.6	
2,4-Dichlorophenol	U	57.1	28.6	
4-Chloroaniline	U	57.1	28.6	
Hexachlorobutadiene	U	57.1	28.6	
1,2,3-Trichlorobenzene	U	57.1	28.6	
4-Chloro-3-methylphenol	U	57.1	28.6	
2-Methylnaphthalene	U	57.1	28.6	
1-Methylnaphthalene	U	57.1	28.6	
Hexachlorocyclopentadiene	U	57.1	28.6	
2,4,6-Trichlorophenol	U	57.1	28.6	
2,4,5-Trichlorophenol	U	57.1	28.6	
Diphenylamine	U	57.1	28.6	
Azobenzene	U	57.1	28.6	
2-Chloronaphthalene	U	57.1	28.6	
2-Nitroaniline	U	57.1	28.6	
1,4-Dinitrobenzene	U	57.1	28.6	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Aqueous Blank - Base

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3511
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	QC100617-AB1-B		
File ID:	D071620.D	Matrix:	Water
		Preservation:	None
Date Sampled:	NA	Decanted:	None
Date Received:	NA		
Date Prepared:	6/17/2010	Sample Volume (ml)	35.00
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	7/17/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-AB1-B		

Analyte	Concentration (µg/L)	RL	EDL	Comments
Dimethylphthalate	U	57.1	28.6	
1,3-Dinitrobenzene	U	57.1	28.6	
Acenaphthylene	U	57.1	28.6	
2,6-dinitrotoluene	U	57.1	28.6	
1,2-Dinitrobenzene	U	57.1	28.6	
3-Nitroaniline	U	57.1	28.6	
Acenaphthene	U	57.1	28.6	
2,4-Dinitrophenol	U	57.1	28.6	
4-Nitrophenol	U	57.1	28.6	
Dibenzofuran	U	57.1	28.6	
2,4-dinitrotoluene	U	57.1	28.6	
2,3,4,6-Tetrachlorophenol	U	57.1	28.6	
2,3,5,6-Tetrachlorophenol	U	57.1	28.6	
Diethylphthalate	U	57.1	28.6	
4-Chlorophenyl-phenylether	U	57.1	28.6	
Fluorene	U	57.1	28.6	
4-Nitroaniline	U	57.1	28.6	
4,6-Dinitro-2-methylphenol	U	57.1	28.6	
n-Nitrosodiphenylamine	U	57.1	28.6	
4-Bromophenyl phenyl ether	U	57.1	28.6	
Hexachlorobenzene	U	57.1	28.6	
Pentachlorophenol	U	57.1	28.6	
Phenanthrene	U	57.1	28.6	
Anthracene	U	57.1	28.6	
Carbazole	U	57.1	28.6	
Di-n-butylphthalate	U	57.1	28.6	
Bis(2-ethylhexyl) adipate	U	57.1	28.6	
Fluoranthene	U	57.1	28.6	
Pyrene	U	57.1	28.6	
Butylbenzylphthalate	U	57.1	28.6	
Benz[a]anthracene	U	57.1	28.6	
Chrysene	U	57.1	28.6	
bis(2-Ethylhexyl)phthalate	U	57.1	28.6	
Di-n-octylphthalate	U	57.1	28.6	
Benzo[b]fluoranthene	U	57.1	28.6	
Benzo[k]fluoranthene	U	57.1	28.6	
Benzo[a]pyrene	U	57.1	28.6	
Indeno[1,2,3-cd]pyrene	U	57.1	28.6	
Dibenz[a,h]anthracene	U	57.1	28.6	
Benzo[g,h,i]perylene	U	57.1	28.6	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Aqueous Blank - Base

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3511
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	QC100617-AB1-B		
File ID:	D071620.D	Matrix:	Water
		Preservation:	None
Date Sampled:	NA	Decanted:	None
Date Received:	NA		
Date Prepared:	6/17/2010	Sample Volume (ml)	35.00
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	7/17/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-AB1-B		

Analyte	Concentration (µg/L)	RL	EDL	Comments
Extraction Surrogate Recoveries (%)		Limits		
Toluene-d8	96	50 - 120		
4-Bromofluorobenzene	103	50 - 120		
2-Fluorophenol		50 - 120		
Phenol-d5		50 - 120		
Nitrobenzene-d5	103	50 - 120		
2-Fluorobiphenyl	97	50 - 120		
2,4,6-Tribromophenol		50 - 120		
p-Terphenyl-d14	96	50 - 120		

NA - Not applicable.
B - Analyte detected in the Blank.
J - Estimated value; detected between the RL and DL.
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Aqueous Blank Spike - Base

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3511
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	QC100617-ABS1-B		
File ID:	D071621.D	Matrix:	Water
		Preservation:	None
Date Sampled:	NA	Decanted:	None
Date Received:	NA		
Date Prepared:	6/17/2010	Sample Volume (ml)	35.00
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	7/17/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-AB1-B		

Analyte	Concentration (µg/L)		RL	EDL	Comments
VOC & SVOC COMPOUNDS:	Spike Amount				% Recovery
cis-1,2-Dichloroethene	1430	2,040	57.1	28.6	143
2,2-Dichloropropane	1430	2,150	57.1	28.6	150
Chloroform	1430	1,980	57.1	28.6	138
1,1,1-Trichloroethane	1430	2,180	57.1	28.6	152
1,2-Dichloroethane	1430	2,180	57.1	28.6	152
1,1-Dichloropropene	1430	2,160	57.1	28.6	151
Benzene	1430	2,680	57.1	28.6	187
Carbon Tetrachloride	1430	2,110	57.1	28.6	148
1,2-Dichloropropane	1430	1,950	57.1	28.6	136
Trichloroethene	1430	2,180	57.1	28.6	152
Dibromomethane	1430	2,000	57.1	28.6	140
Bromodichloromethane	1430	2,130	57.1	28.6	149
Pyridine	1430	1,460	57.1	28.6	102
cis-1,3-Dichloropropene	1430	2,100	57.1	28.6	147
N-nitrosodimethylamine	1430	613	57.1	28.6	43
Toluene	1430	1,930	57.1	28.6	135
trans-1,3-Dichloropropene	1430	2,050	57.1	28.6	143
1,1,2-Trichloroethane	1430	1,930	57.1	28.6	135
1,3-Dichloropropane	1430	2,020	57.1	28.6	141
Dibromochloromethane	1430	2,090	57.1	28.6	146
1,2-Dibromoethane	1430	2,090	57.1	28.6	146
Tetrachloroethene	1430	2,040	57.1	28.6	143
Chlorobenzene	1430	2,060	57.1	28.6	144
1,1,1,2-Tetrachloroethane	1430	2,050	57.1	28.6	143
Ethylbenzene	1430	2,030	57.1	28.6	142
m/p-Xylenes	1430	2,670	57.1	28.6	187
Bromoform	1430	2,150	57.1	28.6	150
Styrene	1430	2,140	57.1	28.6	150
o-Xylene	1430	2,000	57.1	28.6	140
1,1,2,2-Tetrachloroethane	1430	1,860	57.1	28.6	130
1,2,3-Trichloropropane	1430	2,080	57.1	28.6	145
Isopropylbenzene	1430	1,980	57.1	28.6	138
Bromobenzene	1430	2,100	57.1	28.6	147
2-Chlorotoluene	1430	2,090	57.1	28.6	146
n-Propylbenzene	1430	2,040	57.1	28.6	143
4-Chlorotoluene	1430	2,040	57.1	28.6	143
1,3,5-Trimethylbenzene	1430	2,050	57.1	28.6	143
tert-Butylbenzene	1430	1,980	57.1	28.6	138

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Aqueous Blank Spike - Base

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3511
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	QC100617-ABS1-B		
File ID:	D071621.D	Matrix:	Water
		Preservation:	None
Date Sampled:	NA	Decanted:	None
Date Received:	NA		
Date Prepared:	6/17/2010	Sample Volume (ml)	35.00
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	7/17/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-AB1-B		

Analyte		Concentration (µg/L)		RL	EDL	Comments
1,2,4-Trimethylbenzene	1430	1,940		57.1	28.6	136
sec-Butylbenzene	1430	2,020		57.1	28.6	141
Phenol	1430		U	57.1	28.6	
bis(2-Chloroethyl)ether	1430	2,090		57.1	28.6	146
Aniline	1430	1,840		57.1	28.6	129
2-Chlorophenol	1430		U	57.1	28.6	
1,3-Dichlorobenzene	2860	5,380		57.1	28.6	188
1,4-Dichlorobenzene	2860	6,060		57.1	28.6	212
p-Isopropyltoluene	1430	2,040		57.1	28.6	143
Benzyl Alcohol	1430	1,530		57.1	28.6	107
2-Methylphenol (m-cresol)	1430	98.6		57.1	28.6	7
1,2-Dichlorobenzene	2860	5,640		57.1	28.6	197
3,4-Methylphenol (o,p-cresol)	1430	45.4	J	57.1	28.6	3
bis(2-chloroisopropyl)ether	1430	2,120		57.1	28.6	148
n-Butylbenzene	1430	2,060		57.1	28.6	144
N-nitroso-di-n-propylamine	1430	2,340		57.1	28.6	164
Hexachloroethane	1430	2,120		57.1	28.6	148
1,2-Dibromo-3-Chloropropane	1430	2,200		57.1	28.6	154
Nitrobenzene	1430	2,170		57.1	28.6	152
Isophorone	1430	2,130		57.1	28.6	149
2-Nitrophenol	1430		U	57.1	28.6	
2,4-Dimethylphenol	1430	587		57.1	28.6	41
bis(2-Chloroethoxy)methane	1430	2,190		57.1	28.6	153
1,2,4-Trichlorobenzene	2860		U	57.1	28.6	
Naphthalene	2860	5,820		57.1	28.6	203
2,4-Dichlorophenol	1430		U	57.1	28.6	
4-Chloroaniline	1430	2,110		57.1	28.6	148
Hexachlorobutadiene	2860		U	57.1	28.6	
1,2,3-Trichlorobenzene	1430	2,160		57.1	28.6	151
4-Chloro-3-methylphenol	1430	52.2	J	57.1	28.6	4
2-Methylnaphthalene	1430	2,020		57.1	28.6	141
1-Methylnaphthalene	1430	2,090		57.1	28.6	146
Hexachlorocyclopentadiene	1430	2,210		57.1	28.6	155
2,4,6-Trichlorophenol	1430		U	57.1	28.6	
2,4,5-Trichlorophenol	1430		U	57.1	28.6	
Diphenylamine	1430	2,100		57.1	28.6	147
Azobenzene	1430	2,430		57.1	28.6	170
2-Chloronaphthalene	1430	2,120		57.1	28.6	148
2-Nitroaniline	1430	2,190		57.1	28.6	153
1,4-Dinitrobenzene	1430	2,410		57.1	28.6	169

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Aqueous Blank Spike - Base

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3511
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	QC100617-ABS1-B		
File ID:	D071621.D	Matrix:	Water
		Preservation:	None
Date Sampled:	NA	Decanted:	None
Date Received:	NA		
Date Prepared:	6/17/2010	Sample Volume (ml)	35.00
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	7/17/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-AB1-B		

Analyte		Concentration (µg/L)		RL	EDL	Comments
Dimethylphthalate	1430	1,980		57.1	28.6	138
1,3-Dinitrobenzene	1430	2,290		57.1	28.6	160
Acenaphthylene	1430	2,030		57.1	28.6	142
2,6-dinitrotoluene	1430	2,310		57.1	28.6	162
1,2-Dinitrobenzene	1430	2,350		57.1	28.6	164
3-Nitroaniline	1430	2,180		57.1	28.6	152
Acenaphthene	1430	2,140		57.1	28.6	150
2,4-Dinitrophenol	1430		U	57.1	28.6	
4-Nitrophenol	1430	56.4	J	57.1	28.6	4
Dibenzofuran	1430	2,150		57.1	28.6	150
2,4-dinitrotoluene	1430	2,390		57.1	28.6	167
2,3,4,6-Tetrachlorophenol	1430		U	57.1	28.6	
2,3,5,6-Tetrachlorophenol	1430		U	57.1	28.6	
Diethylphthalate	1430	2,050		57.1	28.6	143
4-Chlorophenyl-phenylether	1430		U	57.1	28.6	
Fluorene	1430	2,080		57.1	28.6	145
4-Nitroaniline	1430	1,930		57.1	28.6	135
4,6-Dinitro-2-methylphenol	1430		U	57.1	28.6	
n-Nitrosodiphenylamine	1430	2,010		57.1	28.6	141
4-Bromophenyl phenyl ether	1430	2,010		57.1	28.6	141
Hexachlorobenzene	1430		U	57.1	28.6	
Pentachlorophenol	1430		U	57.1	28.6	
Phenanthrene	1430	2,980		57.1	28.6	208
Anthracene	1430	2,900		57.1	28.6	203
Carbazole	1430	2,040		57.1	28.6	143
Di-n-butylphthalate	1430	2,020		57.1	28.6	141
Bis(2-ethylhexyl) adipate	1430	2,120		57.1	28.6	148
Fluoranthene	1430		U	57.1	28.6	
Pyrene	1430		U	57.1	28.6	
Butylbenzylphthalate	1430	2,290		57.1	28.6	160
Benz[a]anthracene	1430	2,060		57.1	28.6	144
Chrysene	1430	1,980		57.1	28.6	138
bis(2-Ethylhexyl)phthalate	1430	2,290		57.1	28.6	160
Di-n-octylphthalate	1430	2,320		57.1	28.6	162
Benzo[b]fluoranthene	1430	2,080		57.1	28.6	145
Benzo[k]fluoranthene	1430		U	57.1	28.6	
Benzo[a]pyrene	1430	2,080		57.1	28.6	145
Indeno[1,2,3-cd]pyrene	1430	2,150		57.1	28.6	150
Dibenz[a,h]anthracene	1430		U	57.1	28.6	
Benzo[g,h,i]perylene	1430	2,050		57.1	28.6	143

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Aqueous Blank Spike - Base

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3511
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	QC100617-ABS1-B		
File ID:	D071621.D	Matrix:	Water
		Preservation:	None
Date Sampled:	NA	Decanted:	None
Date Received:	NA		
Date Prepared:	6/17/2010	Sample Volume (ml)	35.00
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	7/17/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100617-AB1-B		

Analyte	Concentration (µg/L)	RL	EDL	Comments
Extraction Surrogate Recoveries (%)		Limits		
Toluene-d8	108	50 - 120		
4-Bromofluorobenzene	122	50 - 120		
2-Fluorophenol		50 - 120		
Phenol-d5		50 - 120		
Nitrobenzene-d5	152	50 - 120		
2-Fluorobiphenyl	147	50 - 120		
2,4,6-Tribromophenol		50 - 120		
p-Terphenyl-d14	141	50 - 120		

NA - Not applicable.
B - Analyte detected in the Blank.
J - Estimated value; detected between the RL and DL.
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: FB070210 - Acid

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3511
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100703-05-A		
File ID:	D071626.D	Matrix:	Water
		Preservation:	None
Date Sampled:	7/2/2010	Decanted:	None
Date Received:	7/3/2010		
Date Prepared:	7/9/2010	Sample Volume (ml)	36.10
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	7/17/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100709-AB-A		

Analyte	Concentration (µg/L)	RL	EDL	Comments
VOC & SVOC COMPOUNDS:				
cis-1,2-Dichloroethene	U	55.3	27.7	
2,2-Dichloropropane	U	55.3	27.7	
Chloroform	U	55.3	27.7	
1,1,1-Trichloroethane	U	55.3	27.7	
1,2-Dichloroethane	U	55.3	27.7	
1,1-Dichloropropene	U	55.3	27.7	
Benzene	U	55.3	27.7	
Carbon Tetrachloride	U	55.3	27.7	
1,2-Dichloropropane	U	55.3	27.7	
Trichloroethene	U	55.3	27.7	
Dibromomethane	U	55.3	27.7	
Bromodichloromethane	U	55.3	27.7	
Pyridine	U	55.3	27.7	
cis-1,3-Dichloropropene	U	55.3	27.7	
N-nitrosodimethylamine	U	55.3	27.7	
Toluene	U	55.3	27.7	
trans-1,3-Dichloropropene	U	55.3	27.7	
1,1,2-Trichloroethane	U	55.3	27.7	
1,3-Dichloropropane	U	55.3	27.7	
Dibromochloromethane	U	55.3	27.7	
1,2-Dibromoethane	U	55.3	27.7	
Tetrachloroethene	U	55.3	27.7	
Chlorobenzene	U	55.3	27.7	
1,1,1,2-Tetrachloroethane	U	55.3	27.7	
Ethylbenzene	U	55.3	27.7	
m/p-Xylenes	U	55.3	27.7	
Bromoform	U	55.3	27.7	
Styrene	U	55.3	27.7	
o-Xylene	U	55.3	27.7	
1,1,2,2-Tetrachloroethane	U	55.3	27.7	
1,2,3-Trichloropropane	U	55.3	27.7	
Isopropylbenzene	U	55.3	27.7	
Bromobenzene	U	55.3	27.7	
2-Chlorotoluene	U	55.3	27.7	
n-Propylbenzene	U	55.3	27.7	
4-Chlorotoluene	U	55.3	27.7	
1,3,5-Trimethylbenzene	U	55.3	27.7	
tert-Butylbenzene	U	55.3	27.7	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: FB070210 - Acid

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3511
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100703-05-A		
File ID:	D071626.D	Matrix:	Water
		Preservation:	None
Date Sampled:	7/2/2010	Decanted:	None
Date Received:	7/3/2010		
Date Prepared:	7/9/2010	Sample Volume (ml)	36.10
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	7/17/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100709-AB-A		

Analyte	Concentration (µg/L)	RL	EDL	Comments
1,2,4-Trimethylbenzene	U	55.3	27.7	
sec-Butylbenzene	U	55.3	27.7	
Phenol	U	55.3	27.7	
bis(2-Chloroethyl)ether	U	55.3	27.7	
Aniline	U	55.3	27.7	
2-Chlorophenol	U	55.3	27.7	
1,3-Dichlorobenzene	U	55.3	27.7	
1,4-Dichlorobenzene	U	55.3	27.7	
p-Isopropyltoluene	U	55.3	27.7	
Benzyl Alcohol	U	55.3	27.7	
2-Methylphenol (m-cresol)	U	55.3	27.7	
1,2-Dichlorobenzene	U	55.3	27.7	
3,4-Methylphenol (o,p-cresol)	U	55.3	27.7	
bis(2-chloroisopropyl)ether	U	55.3	27.7	
n-Butylbenzene	U	55.3	27.7	
N-nitroso-di-n-propylamine	U	55.3	27.7	
Hexachloroethane	U	55.3	27.7	
1,2-Dibromo-3-Chloropropane	U	55.3	27.7	
Nitrobenzene	U	55.3	27.7	
Isophorone	U	55.3	27.7	
2-Nitrophenol	U	55.3	27.7	
2,4-Dimethylphenol	U	55.3	27.7	
bis(2-Chloroethoxy)methane	U	55.3	27.7	
1,2,4-Trichlorobenzene	U	55.3	27.7	
Naphthalene	U	55.3	27.7	
2,4-Dichlorophenol	U	55.3	27.7	
4-Chloroaniline	U	55.3	27.7	
Hexachlorobutadiene	U	55.3	27.7	
1,2,3-Trichlorobenzene	U	55.3	27.7	
4-Chloro-3-methylphenol	U	55.3	27.7	
2-Methylnaphthalene	U	55.3	27.7	
1-Methylnaphthalene	U	55.3	27.7	
Hexachlorocyclopentadiene	U	55.3	27.7	
2,4,6-Trichlorophenol	U	55.3	27.7	
2,4,5-Trichlorophenol	U	55.3	27.7	
Diphenylamine	U	55.3	27.7	
Azobenzene	U	55.3	27.7	
2-Chloronaphthalene	U	55.3	27.7	
2-Nitroaniline	U	55.3	27.7	
1,4-Dinitrobenzene	U	55.3	27.7	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: FB070210 - Acid

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3511
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100703-05-A		
File ID:	D071626.D	Matrix:	Water
		Preservation:	None
Date Sampled:	7/2/2010	Decanted:	None
Date Received:	7/3/2010		
Date Prepared:	7/9/2010	Sample Volume (ml)	36.10
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	7/17/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100709-AB-A		

Analyte	Concentration (µg/L)	RL	EDL	Comments
Dimethylphthalate	U	55.3	27.7	
1,3-Dinitrobenzene	U	55.3	27.7	
Acenaphthylene	U	55.3	27.7	
2,6-dinitrotoluene	U	55.3	27.7	
1,2-Dinitrobenzene	U	55.3	27.7	
3-Nitroaniline	U	55.3	27.7	
Acenaphthene	U	55.3	27.7	
2,4-Dinitrophenol	U	55.3	27.7	
4-Nitrophenol	U	55.3	27.7	
Dibenzofuran	U	55.3	27.7	
2,4-dinitrotoluene	U	55.3	27.7	
2,3,4,6-Tetrachlorophenol	U	55.3	27.7	
2,3,5,6-Tetrachlorophenol	U	55.3	27.7	
Diethylphthalate	U	55.3	27.7	
4-Chlorophenyl-phenylether	U	55.3	27.7	
Fluorene	U	55.3	27.7	
4-Nitroaniline	U	55.3	27.7	
4,6-Dinitro-2-methylphenol	U	55.3	27.7	
n-Nitrosodiphenylamine	U	55.3	27.7	
4-Bromophenyl phenyl ether	U	55.3	27.7	
Hexachlorobenzene	U	55.3	27.7	
Pentachlorophenol	U	55.3	27.7	
Phenanthrene	U	55.3	27.7	
Anthracene	U	55.3	27.7	
Carbazole	U	55.3	27.7	
Di-n-butylphthalate	U	55.3	27.7	
Bis(2-ethylhexyl) adipate	U	55.3	27.7	
Fluoranthene	U	55.3	27.7	
Pyrene	U	55.3	27.7	
Butylbenzylphthalate	U	55.3	27.7	
Benz[a]anthracene	U	55.3	27.7	
Chrysene	U	55.3	27.7	
bis(2-Ethylhexyl)phthalate	U	55.3	27.7	
Di-n-octylphthalate	U	55.3	27.7	
Benzo[b]fluoranthene	U	55.3	27.7	
Benzo[k]fluoranthene	U	55.3	27.7	
Benzo[a]pyrene	U	55.3	27.7	
Indeno[1,2,3-cd]pyrene	U	55.3	27.7	
Dibenz[a,h]anthracene	U	55.3	27.7	
Benzo[g,h,i]perylene	U	55.3	27.7	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: FB070210 - Acid

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3511
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100703-05-A		
File ID:	D071626.D	Matrix:	Water
		Preservation:	None
Date Sampled:	7/2/2010	Decanted:	None
Date Received:	7/3/2010		
Date Prepared:	7/9/2010	Sample Volume (ml)	36.10
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	7/17/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100709-AB-A		

Analyte	Concentration (µg/L)	RL	EDL	Comments
Extraction Surrogate Recoveries (%)		Limits		
Toluene-d8	86	50 - 120		
4-Bromofluorobenzene	94	50 - 120		
2-Fluorophenol	71	50 - 120		
Phenol-d5	66	50 - 120		
Nitrobenzene-d5	95	50 - 120		
2-Fluorobiphenyl	85	50 - 120		
2,4,6-Tribromophenol	101	50 - 120		
p-Terphenyl-d14	86	50 - 120		

NA - Not applicable.
B - Analyte detected in the Blank.
J - Estimated value; detected between the RL and DL.
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Aqueous Blank - Acid

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3511
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	QC100709-AB-A		
File ID:	D071624.D	Matrix:	Water
		Preservation:	None
Date Sampled:	NA	Decanted:	None
Date Received:	NA		
Date Prepared:	7/9/2010	Sample Volume (ml)	35.00
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	7/17/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100709-AB-A		

Analyte	Concentration (µg/L)	RL	EDL	Comments
VOC & SVOC COMPOUNDS:				
cis-1,2-Dichloroethene	U	57.1	28.6	
2,2-Dichloropropane	U	57.1	28.6	
Chloroform	U	57.1	28.6	
1,1,1-Trichloroethane	U	57.1	28.6	
1,2-Dichloroethane	U	57.1	28.6	
1,1-Dichloropropene	U	57.1	28.6	
Benzene	U	57.1	28.6	
Carbon Tetrachloride	U	57.1	28.6	
1,2-Dichloropropane	U	57.1	28.6	
Trichloroethene	U	57.1	28.6	
Dibromomethane	U	57.1	28.6	
Bromodichloromethane	U	57.1	28.6	
Pyridine	U	57.1	28.6	
cis-1,3-Dichloropropene	U	57.1	28.6	
N-nitrosodimethylamine	U	57.1	28.6	
Toluene	U	57.1	28.6	
trans-1,3-Dichloropropene	U	57.1	28.6	
1,1,2-Trichloroethane	U	57.1	28.6	
1,3-Dichloropropane	U	57.1	28.6	
Dibromochloromethane	U	57.1	28.6	
1,2-Dibromoethane	U	57.1	28.6	
Tetrachloroethene	U	57.1	28.6	
Chlorobenzene	U	57.1	28.6	
1,1,1,2-Tetrachloroethane	U	57.1	28.6	
Ethylbenzene	U	57.1	28.6	
m/p-Xylenes	U	57.1	28.6	
Bromoform	U	57.1	28.6	
Styrene	U	57.1	28.6	
o-Xylene	U	57.1	28.6	
1,1,2,2-Tetrachloroethane	U	57.1	28.6	
1,2,3-Trichloropropane	U	57.1	28.6	
Isopropylbenzene	U	57.1	28.6	
Bromobenzene	U	57.1	28.6	
2-Chlorotoluene	U	57.1	28.6	
n-Propylbenzene	U	57.1	28.6	
4-Chlorotoluene	U	57.1	28.6	
1,3,5-Trimethylbenzene	U	57.1	28.6	
tert-Butylbenzene	U	57.1	28.6	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Aqueous Blank - Acid

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3511
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	QC100709-AB-A		
File ID:	D071624.D	Matrix:	Water
		Preservation:	None
Date Sampled:	NA	Decanted:	None
Date Received:	NA		
Date Prepared:	7/9/2010	Sample Volume (ml)	35.00
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	7/17/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100709-AB-A		

Analyte	Concentration (µg/L)	RL	EDL	Comments
1,2,4-Trimethylbenzene	U	57.1	28.6	
sec-Butylbenzene	U	57.1	28.6	
Phenol	U	57.1	28.6	
bis(2-Chloroethyl)ether	U	57.1	28.6	
Aniline	U	57.1	28.6	
2-Chlorophenol	U	57.1	28.6	
1,3-Dichlorobenzene	U	57.1	28.6	
1,4-Dichlorobenzene	U	57.1	28.6	
p-Isopropyltoluene	U	57.1	28.6	
Benzyl Alcohol	U	57.1	28.6	
2-Methylphenol (m-cresol)	U	57.1	28.6	
1,2-Dichlorobenzene	U	57.1	28.6	
3,4-Methylphenol (o,p-cresol)	U	57.1	28.6	
bis(2-chloroisopropyl)ether	U	57.1	28.6	
n-Butylbenzene	U	57.1	28.6	
N-nitroso-di-n-propylamine	U	57.1	28.6	
Hexachloroethane	U	57.1	28.6	
1,2-Dibromo-3-Chloropropane	U	57.1	28.6	
Nitrobenzene	U	57.1	28.6	
Isophorone	U	57.1	28.6	
2-Nitrophenol	U	57.1	28.6	
2,4-Dimethylphenol	U	57.1	28.6	
bis(2-Chloroethoxy)methane	U	57.1	28.6	
1,2,4-Trichlorobenzene	U	57.1	28.6	
Naphthalene	U	57.1	28.6	
2,4-Dichlorophenol	U	57.1	28.6	
4-Chloroaniline	U	57.1	28.6	
Hexachlorobutadiene	U	57.1	28.6	
1,2,3-Trichlorobenzene	U	57.1	28.6	
4-Chloro-3-methylphenol	U	57.1	28.6	
2-Methylnaphthalene	U	57.1	28.6	
1-Methylnaphthalene	U	57.1	28.6	
Hexachlorocyclopentadiene	U	57.1	28.6	
2,4,6-Trichlorophenol	U	57.1	28.6	
2,4,5-Trichlorophenol	U	57.1	28.6	
Diphenylamine	U	57.1	28.6	
Azobenzene	U	57.1	28.6	
2-Chloronaphthalene	U	57.1	28.6	
2-Nitroaniline	U	57.1	28.6	
1,4-Dinitrobenzene	U	57.1	28.6	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Aqueous Blank - Acid

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3511
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	QC100709-AB-A		
File ID:	D071624.D	Matrix:	Water
		Preservation:	None
Date Sampled:	NA	Decanted:	None
Date Received:	NA		
Date Prepared:	7/9/2010	Sample Volume (ml)	35.00
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	7/17/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100709-AB-A		

Analyte	Concentration (µg/L)	RL	EDL	Comments
Dimethylphthalate	U	57.1	28.6	
1,3-Dinitrobenzene	U	57.1	28.6	
Acenaphthylene	U	57.1	28.6	
2,6-dinitrotoluene	U	57.1	28.6	
1,2-Dinitrobenzene	U	57.1	28.6	
3-Nitroaniline	U	57.1	28.6	
Acenaphthene	U	57.1	28.6	
2,4-Dinitrophenol	U	57.1	28.6	
4-Nitrophenol	U	57.1	28.6	
Dibenzofuran	U	57.1	28.6	
2,4-dinitrotoluene	U	57.1	28.6	
2,3,4,6-Tetrachlorophenol	U	57.1	28.6	
2,3,5,6-Tetrachlorophenol	U	57.1	28.6	
Diethylphthalate	U	57.1	28.6	
4-Chlorophenyl-phenylether	U	57.1	28.6	
Fluorene	U	57.1	28.6	
4-Nitroaniline	U	57.1	28.6	
4,6-Dinitro-2-methylphenol	U	57.1	28.6	
n-Nitrosodiphenylamine	U	57.1	28.6	
4-Bromophenyl phenyl ether	U	57.1	28.6	
Hexachlorobenzene	U	57.1	28.6	
Pentachlorophenol	U	57.1	28.6	
Phenanthrene	U	57.1	28.6	
Anthracene	U	57.1	28.6	
Carbazole	U	57.1	28.6	
Di-n-butylphthalate	U	57.1	28.6	
Bis(2-ethylhexyl) adipate	U	57.1	28.6	
Fluoranthene	U	57.1	28.6	
Pyrene	U	57.1	28.6	
Butylbenzylphthalate	U	57.1	28.6	
Benz[a]anthracene	U	57.1	28.6	
Chrysene	U	57.1	28.6	
bis(2-Ethylhexyl)phthalate	U	57.1	28.6	
Di-n-octylphthalate	U	57.1	28.6	
Benzo[b]fluoranthene	U	57.1	28.6	
Benzo[k]fluoranthene	U	57.1	28.6	
Benzo[a]pyrene	U	57.1	28.6	
Indeno[1,2,3-cd]pyrene	U	57.1	28.6	
Dibenz[a,h]anthracene	U	57.1	28.6	
Benzo[g,h,i]perylene	U	57.1	28.6	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Aqueous Blank - Acid

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3511
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	QC100709-AB-A		
File ID:	D071624.D	Matrix:	Water
		Preservation:	None
Date Sampled:	NA	Decanted:	None
Date Received:	NA		
Date Prepared:	7/9/2010	Sample Volume (ml)	35.00
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	7/17/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100709-AB-A		

Analyte	Concentration (µg/L)	RL	EDL	Comments
Extraction Surrogate Recoveries (%)		Limits		
Toluene-d8	98	50 - 120		
4-Bromofluorobenzene	104	50 - 120		
2-Fluorophenol	78	50 - 120		
Phenol-d5	79	50 - 120		
Nitrobenzene-d5	102	50 - 120		
2-Fluorobiphenyl	92	50 - 120		
2,4,6-Tribromophenol	109	50 - 120		
p-Terphenyl-d14	91	50 - 120		

NA - Not applicable.
B - Analyte detected in the Blank.
J - Estimated value; detected between the RL and DL.
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Aqueous Blank Spike - Acid

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3511
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	QC100709-ABS-A		
File ID:	D071625.D	Matrix:	Water
		Preservation:	None
Date Sampled:	NA	Decanted:	None
Date Received:	NA		
Date Prepared:	7/9/2010	Sample Volume (ml)	35.00
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	7/17/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100709-AB-A		

Analyte	Concentration (µg/L)			RL	EDL	Comments
VOC & SVOC COMPOUNDS:	Spike Amount					% Recovery
cis-1,2-Dichloroethene	1430	1,330		57.1	28.6	93
2,2-Dichloropropane	1430	1,400		57.1	28.6	98
Chloroform	1430	1,310		57.1	28.6	92
1,1,1-Trichloroethane	1430	1,410		57.1	28.6	99
1,2-Dichloroethane	1430	1,440		57.1	28.6	101
1,1-Dichloropropene	1430	1,410		57.1	28.6	99
Benzene	1430	1,420		57.1	28.6	99
Carbon Tetrachloride	1430	1,410		57.1	28.6	99
1,2-Dichloropropane	1430	1,320		57.1	28.6	92
Trichloroethene	1430	1,310		57.1	28.6	92
Dibromomethane	1430	1,340		57.1	28.6	94
Bromodichloromethane	1430	1,410		57.1	28.6	99
Pyridine	1430		U	57.1	28.6	
cis-1,3-Dichloropropene	1430	1,360		57.1	28.6	95
N-nitrosodimethylamine	1430	465		57.1	28.6	33
Toluene	1430	1,290		57.1	28.6	90
trans-1,3-Dichloropropene	1430	1,330		57.1	28.6	93
1,1,2-Trichloroethane	1430	1,300		57.1	28.6	91
1,3-Dichloropropane	1430	1,350		57.1	28.6	94
Dibromochloromethane	1430	1,360		57.1	28.6	95
1,2-Dibromoethane	1430	1,370		57.1	28.6	96
Tetrachloroethene	1430	1,340		57.1	28.6	94
Chlorobenzene	1430	1,330		57.1	28.6	93
1,1,1,2-Tetrachloroethane	1430	1,390		57.1	28.6	97
Ethylbenzene	1430	1,360		57.1	28.6	95
m/p-Xylenes	1430	1,430		57.1	28.6	100
Bromoform	1430	1,410		57.1	28.6	99
Styrene	1430	1,380		57.1	28.6	97
o-Xylene	1430	1,350		57.1	28.6	94
1,1,2,2-Tetrachloroethane	1430	1,340		57.1	28.6	94
1,2,3-Trichloropropane	1430	1,380		57.1	28.6	97
Isopropylbenzene	1430	1,290		57.1	28.6	90
Bromobenzene	1430	1,400		57.1	28.6	98
2-Chlorotoluene	1430	1,400		57.1	28.6	98
n-Propylbenzene	1430	1,350		57.1	28.6	94
4-Chlorotoluene	1430	1,370		57.1	28.6	96
1,3,5-Trimethylbenzene	1430	1,350		57.1	28.6	94
tert-Butylbenzene	1430	1,300		57.1	28.6	91

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Aqueous Blank Spike - Acid

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3511
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	QC100709-ABS-A		
File ID:	D071625.D	Matrix:	Water
		Preservation:	None
Date Sampled:	NA	Decanted:	None
Date Received:	NA		
Date Prepared:	7/9/2010	Sample Volume (ml)	35.00
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	7/17/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100709-AB-A		

Analyte	Concentration (µg/L)			RL	EDL	Comments
1,2,4-Trimethylbenzene	1430	1,290		57.1	28.6	90
sec-Butylbenzene	1430	1,290		57.1	28.6	90
Phenol	1430	840		57.1	28.6	59
bis(2-Chloroethyl)ether	1430	1,390		57.1	28.6	97
Aniline	1430		U	57.1	28.6	
2-Chlorophenol	1430	1,350		57.1	28.6	94
1,3-Dichlorobenzene	2860	2,800		57.1	28.6	98
1,4-Dichlorobenzene	2860	2,780		57.1	28.6	97
p-Isopropyltoluene	1430	1,360		57.1	28.6	95
Benzyl Alcohol	1430	1,060		57.1	28.6	74
2-Methylphenol (m-cresol)	1430	1,290		57.1	28.6	90
1,2-Dichlorobenzene	2860	2,790		57.1	28.6	98
3,4-Methylphenol (o,p-cresol)	1430	1,180		57.1	28.6	83
bis(2-chloroisopropyl)ether	1430	1,350		57.1	28.6	94
n-Butylbenzene	1430	1,330		57.1	28.6	93
N-nitroso-di-n-propylamine	1430	1,380		57.1	28.6	97
Hexachloroethane	1430	1,390		57.1	28.6	97
1,2-Dibromo-3-Chloropropane	1430	1,410		57.1	28.6	99
Nitrobenzene	1430	1,380		57.1	28.6	97
Isophorone	1430	1,370		57.1	28.6	96
2-Nitrophenol	1430	1,400		57.1	28.6	98
2,4-Dimethylphenol	1430	1,310		57.1	28.6	92
bis(2-Chloroethoxy)methane	1430	1,390		57.1	28.6	97
1,2,4-Trichlorobenzene	2860	2,810		57.1	28.6	98
Naphthalene	2860	2,850		57.1	28.6	100
2,4-Dichlorophenol	1430	1,360		57.1	28.6	95
4-Chloroaniline	1430		U	57.1	28.6	
Hexachlorobutadiene	2860	2,720		57.1	28.6	95
1,2,3-Trichlorobenzene	1430	1,390		57.1	28.6	97
4-Chloro-3-methylphenol	1430	1,400		57.1	28.6	98
2-Methylnaphthalene	1430	1,270		57.1	28.6	89
1-Methylnaphthalene	1430	1,330		57.1	28.6	93
Hexachlorocyclopentadiene	1430	1,260		57.1	28.6	88
2,4,6-Trichlorophenol	1430	1,330		57.1	28.6	93
2,4,5-Trichlorophenol	1430	1,330		57.1	28.6	93
Diphenylamine	1430	1,290		57.1	28.6	90
Azobenzene	1430	1,330		57.1	28.6	93
2-Chloronaphthalene	1430	1,320		57.1	28.6	92
2-Nitroaniline	1430	1,330		57.1	28.6	93
1,4-Dinitrobenzene	1430	1,430		57.1	28.6	100

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Aqueous Blank Spike - Acid

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3511
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	QC100709-ABS-A		
File ID:	D071625.D	Matrix:	Water
		Preservation:	None
Date Sampled:	NA	Decanted:	None
Date Received:	NA		
Date Prepared:	7/9/2010	Sample Volume (ml)	35.00
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	7/17/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100709-AB-A		

Analyte		Concentration (µg/L)	RL	EDL	Comments
Dimethylphthalate	1430	1,310	57.1	28.6	92
1,3-Dinitrobenzene	1430	1,390	57.1	28.6	97
Acenaphthylene	1430	1,230	57.1	28.6	86
2,6-dinitrotoluene	1430	1,390	57.1	28.6	97
1,2-Dinitrobenzene	1430	1,420	57.1	28.6	99
3-Nitroaniline	1430	93.0	57.1	28.6	7
Acenaphthene	1430	1,290	57.1	28.6	90
2,4-Dinitrophenol	1430	1,270	57.1	28.6	89
4-Nitrophenol	1430	550	57.1	28.6	38
Dibenzofuran	1430	1,290	57.1	28.6	90
2,4-dinitrotoluene	1430	1,460	57.1	28.6	102
2,3,4,6-Tetrachlorophenol	1430	1,350	57.1	28.6	94
2,3,5,6-Tetrachlorophenol	1430	1,340	57.1	28.6	94
Diethylphthalate	1430	1,300	57.1	28.6	91
4-Chlorophenyl-phenylether	1430	1,310	57.1	28.6	92
Fluorene	1430	1,280	57.1	28.6	90
4-Nitroaniline	1430	758	57.1	28.6	53
4,6-Dinitro-2-methylphenol	1430	1,650	57.1	28.6	115
n-Nitrosodiphenylamine	1430	1,300	57.1	28.6	91
4-Bromophenyl phenyl ether	1430	1,340	57.1	28.6	94
Hexachlorobenzene	1430	1,420	57.1	28.6	99
Pentachlorophenol	1430	1,410	57.1	28.6	99
Phenanthrene	1430	1,460	57.1	28.6	102
Anthracene	1430	1,420	57.1	28.6	99
Carbazole	1430	1,310	57.1	28.6	92
Di-n-butylphthalate	1430	1,350	57.1	28.6	94
Bis(2-ethylhexyl) adipate	1430	1,400	57.1	28.6	98
Fluoranthene	1430	1,410	57.1	28.6	99
Pyrene	1430	1,390	57.1	28.6	97
Butylbenzylphthalate	1430	1,540	57.1	28.6	108
Benz[a]anthracene	1430	1,380	57.1	28.6	97
Chrysene	1430	1,290	57.1	28.6	90
bis(2-Ethylhexyl)phthalate	1430	1,530	57.1	28.6	107
Di-n-octylphthalate	1430	1,510	57.1	28.6	106
Benzo[b]fluoranthene	1430	1,230	57.1	28.6	86
Benzo[k]fluoranthene	1430	1,270	57.1	28.6	89
Benzo[a]pyrene	1430	1,340	57.1	28.6	94
Indeno[1,2,3-cd]pyrene	1430	1,430	57.1	28.6	100
Dibenz[a,h]anthracene	1430	1,430	57.1	28.6	100
Benzo[g,h,i]perylene	1430	1,330	57.1	28.6	93

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Aqueous Blank Spike - Acid

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3511
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	QC100709-ABS-A		
File ID:	D071625.D	Matrix:	Water
		Preservation:	None
Date Sampled:	NA	Decanted:	None
Date Received:	NA		
Date Prepared:	7/9/2010	Sample Volume (ml)	35.00
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	7/17/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100709-AB-A		

Analyte	Concentration (µg/L)	RL	EDL	Comments
Extraction Surrogate Recoveries (%)		Limits		
Toluene-d8	103	50 - 120		
4-Bromofluorobenzene	112	50 - 120		
2-Fluorophenol	91	50 - 120		
Phenol-d5	92	50 - 120		
Nitrobenzene-d5	121	50 - 120		
2-Fluorobiphenyl	108	50 - 120		
2,4,6-Tribromophenol	130	50 - 120		
p-Terphenyl-d14	113	50 - 120		

NA - Not applicable.
B - Analyte detected in the Blank.
J - Estimated value; detected between the RL and DL.
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: FB070210 - Base

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3511
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100703-05-B		
File ID:	D071632.D	Matrix:	Water
		Preservation:	None
Date Sampled:	7/2/2010	Decanted:	None
Date Received:	7/3/2010		
Date Prepared:	7/9/2010	Sample Volume (ml)	35.80
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	7/17/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100709-AB-B		

Analyte	Concentration (µg/L)	RL	EDL	Comments
VOC & SVOC COMPOUNDS:				
cis-1,2-Dichloroethene	U	55.8	27.9	
2,2-Dichloropropane	U	55.8	27.9	
Chloroform	U	55.8	27.9	
1,1,1-Trichloroethane	U	55.8	27.9	
1,2-Dichloroethane	U	55.8	27.9	
1,1-Dichloropropene	U	55.8	27.9	
Benzene	U	55.8	27.9	
Carbon Tetrachloride	U	55.8	27.9	
1,2-Dichloropropane	U	55.8	27.9	
Trichloroethene	U	55.8	27.9	
Dibromomethane	U	55.8	27.9	
Bromodichloromethane	U	55.8	27.9	
Pyridine	U	55.8	27.9	
cis-1,3-Dichloropropene	U	55.8	27.9	
N-nitrosodimethylamine	U	55.8	27.9	
Toluene	U	55.8	27.9	
trans-1,3-Dichloropropene	U	55.8	27.9	
1,1,2-Trichloroethane	U	55.8	27.9	
1,3-Dichloropropane	U	55.8	27.9	
Dibromochloromethane	U	55.8	27.9	
1,2-Dibromoethane	U	55.8	27.9	
Tetrachloroethene	U	55.8	27.9	
Chlorobenzene	U	55.8	27.9	
1,1,1,2-Tetrachloroethane	U	55.8	27.9	
Ethylbenzene	U	55.8	27.9	
m/p-Xylenes	U	55.8	27.9	
Bromoform	U	55.8	27.9	
Styrene	U	55.8	27.9	
o-Xylene	U	55.8	27.9	
1,1,2,2-Tetrachloroethane	U	55.8	27.9	
1,2,3-Trichloropropane	U	55.8	27.9	
Isopropylbenzene	U	55.8	27.9	
Bromobenzene	U	55.8	27.9	
2-Chlorotoluene	U	55.8	27.9	
n-Propylbenzene	U	55.8	27.9	
4-Chlorotoluene	U	55.8	27.9	
1,3,5-Trimethylbenzene	U	55.8	27.9	
tert-Butylbenzene	U	55.8	27.9	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: FB070210 - Base

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3511
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100703-05-B		
File ID:	D071632.D	Matrix:	Water
		Preservation:	None
Date Sampled:	7/2/2010	Decanted:	None
Date Received:	7/3/2010		
Date Prepared:	7/9/2010	Sample Volume (ml)	35.80
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	7/17/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100709-AB-B		

Analyte	Concentration (µg/L)	RL	EDL	Comments
1,2,4-Trimethylbenzene	U	55.8	27.9	
sec-Butylbenzene	U	55.8	27.9	
Phenol	U	55.8	27.9	
bis(2-Chloroethyl)ether	U	55.8	27.9	
Aniline	U	55.8	27.9	
2-Chlorophenol	U	55.8	27.9	
1,3-Dichlorobenzene	U	55.8	27.9	
1,4-Dichlorobenzene	U	55.8	27.9	
p-Isopropyltoluene	U	55.8	27.9	
Benzyl Alcohol	U	55.8	27.9	
2-Methylphenol (m-cresol)	U	55.8	27.9	
1,2-Dichlorobenzene	U	55.8	27.9	
3,4-Methylphenol (o,p-cresol)	U	55.8	27.9	
bis(2-chloroisopropyl)ether	U	55.8	27.9	
n-Butylbenzene	U	55.8	27.9	
N-nitroso-di-n-propylamine	U	55.8	27.9	
Hexachloroethane	U	55.8	27.9	
1,2-Dibromo-3-Chloropropane	U	55.8	27.9	
Nitrobenzene	U	55.8	27.9	
Isophorone	U	55.8	27.9	
2-Nitrophenol	U	55.8	27.9	
2,4-Dimethylphenol	U	55.8	27.9	
bis(2-Chloroethoxy)methane	U	55.8	27.9	
1,2,4-Trichlorobenzene	U	55.8	27.9	
Naphthalene	U	55.8	27.9	
2,4-Dichlorophenol	U	55.8	27.9	
4-Chloroaniline	U	55.8	27.9	
Hexachlorobutadiene	U	55.8	27.9	
1,2,3-Trichlorobenzene	U	55.8	27.9	
4-Chloro-3-methylphenol	U	55.8	27.9	
2-Methylnaphthalene	U	55.8	27.9	
1-Methylnaphthalene	U	55.8	27.9	
Hexachlorocyclopentadiene	U	55.8	27.9	
2,4,6-Trichlorophenol	U	55.8	27.9	
2,4,5-Trichlorophenol	U	55.8	27.9	
Diphenylamine	U	55.8	27.9	
Azobenzene	U	55.8	27.9	
2-Chloronaphthalene	U	55.8	27.9	
2-Nitroaniline	U	55.8	27.9	
1,4-Dinitrobenzene	U	55.8	27.9	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: FB070210 - Base

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3511
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100703-05-B		
File ID:	D071632.D	Matrix:	Water
		Preservation:	None
Date Sampled:	7/2/2010	Decanted:	None
Date Received:	7/3/2010		
Date Prepared:	7/9/2010	Sample Volume (ml)	35.80
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	7/17/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100709-AB-B		

Analyte	Concentration (µg/L)	RL	EDL	Comments
Dimethylphthalate	U	55.8	27.9	
1,3-Dinitrobenzene	U	55.8	27.9	
Acenaphthylene	U	55.8	27.9	
2,6-dinitrotoluene	U	55.8	27.9	
1,2-Dinitrobenzene	U	55.8	27.9	
3-Nitroaniline	U	55.8	27.9	
Acenaphthene	U	55.8	27.9	
2,4-Dinitrophenol	U	55.8	27.9	
4-Nitrophenol	U	55.8	27.9	
Dibenzofuran	U	55.8	27.9	
2,4-dinitrotoluene	U	55.8	27.9	
2,3,4,6-Tetrachlorophenol	U	55.8	27.9	
2,3,5,6-Tetrachlorophenol	U	55.8	27.9	
Diethylphthalate	U	55.8	27.9	
4-Chlorophenyl-phenylether	U	55.8	27.9	
Fluorene	U	55.8	27.9	
4-Nitroaniline	U	55.8	27.9	
4,6-Dinitro-2-methylphenol	U	55.8	27.9	
n-Nitrosodiphenylamine	U	55.8	27.9	
4-Bromophenyl phenyl ether	U	55.8	27.9	
Hexachlorobenzene	U	55.8	27.9	
Pentachlorophenol	U	55.8	27.9	
Phenanthrene	U	55.8	27.9	
Anthracene	U	55.8	27.9	
Carbazole	U	55.8	27.9	
Di-n-butylphthalate	U	55.8	27.9	
Bis(2-ethylhexyl) adipate	U	55.8	27.9	
Fluoranthene	U	55.8	27.9	
Pyrene	U	55.8	27.9	
Butylbenzylphthalate	U	55.8	27.9	
Benz[a]anthracene	U	55.8	27.9	
Chrysene	U	55.8	27.9	
bis(2-Ethylhexyl)phthalate	U	55.8	27.9	
Di-n-octylphthalate	U	55.8	27.9	
Benzo[b]fluoranthene	U	55.8	27.9	
Benzo[k]fluoranthene	U	55.8	27.9	
Benzo[a]pyrene	U	55.8	27.9	
Indeno[1,2,3-cd]pyrene	U	55.8	27.9	
Dibenz[a,h]anthracene	U	55.8	27.9	
Benzo[g,h,i]perylene	U	55.8	27.9	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: FB070210 - Base

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3511
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100703-05-B		
File ID:	D071632.D	Matrix:	Water
		Preservation:	None
Date Sampled:	7/2/2010	Decanted:	None
Date Received:	7/3/2010		
Date Prepared:	7/9/2010	Sample Volume (ml)	35.80
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	7/17/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100709-AB-B		

Analyte	Concentration (µg/L)	RL	EDL	Comments
Extraction Surrogate Recoveries (%)		Limits		
Toluene-d8	84	50 - 120		
4-Bromofluorobenzene	93	50 - 120		
2-Fluorophenol		50 - 120		
Phenol-d5		50 - 120		
Nitrobenzene-d5	95	50 - 120		
2-Fluorobiphenyl	86	50 - 120		
2,4,6-Tribromophenol		50 - 120		
p-Terphenyl-d14	85	50 - 120		

NA - Not applicable.
B - Analyte detected in the Blank.
J - Estimated value; detected between the RL and DL.
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Aqueous Blank - Base

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3511
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	QC100709-AB-B		
File ID:	D071630.D	Matrix:	Water
		Preservation:	None
Date Sampled:	NA	Decanted:	None
Date Received:	NA		
Date Prepared:	7/9/2010	Sample Volume (ml)	35.00
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	7/17/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100709-AB-B		

Analyte	Concentration (µg/L)	RL	EDL	Comments
VOC & SVOC COMPOUNDS:				
cis-1,2-Dichloroethene	U	57.1	28.6	
2,2-Dichloropropane	U	57.1	28.6	
Chloroform	U	57.1	28.6	
1,1,1-Trichloroethane	U	57.1	28.6	
1,2-Dichloroethane	U	57.1	28.6	
1,1-Dichloropropene	U	57.1	28.6	
Benzene	U	57.1	28.6	
Carbon Tetrachloride	U	57.1	28.6	
1,2-Dichloropropane	U	57.1	28.6	
Trichloroethene	U	57.1	28.6	
Dibromomethane	U	57.1	28.6	
Bromodichloromethane	U	57.1	28.6	
Pyridine	U	57.1	28.6	
cis-1,3-Dichloropropene	U	57.1	28.6	
N-nitrosodimethylamine	U	57.1	28.6	
Toluene	U	57.1	28.6	
trans-1,3-Dichloropropene	U	57.1	28.6	
1,1,2-Trichloroethane	U	57.1	28.6	
1,3-Dichloropropane	U	57.1	28.6	
Dibromochloromethane	U	57.1	28.6	
1,2-Dibromoethane	U	57.1	28.6	
Tetrachloroethene	U	57.1	28.6	
Chlorobenzene	U	57.1	28.6	
1,1,1,2-Tetrachloroethane	U	57.1	28.6	
Ethylbenzene	U	57.1	28.6	
m/p-Xylenes	U	57.1	28.6	
Bromoform	U	57.1	28.6	
Styrene	U	57.1	28.6	
o-Xylene	U	57.1	28.6	
1,1,2,2-Tetrachloroethane	U	57.1	28.6	
1,2,3-Trichloropropane	U	57.1	28.6	
Isopropylbenzene	U	57.1	28.6	
Bromobenzene	U	57.1	28.6	
2-Chlorotoluene	U	57.1	28.6	
n-Propylbenzene	U	57.1	28.6	
4-Chlorotoluene	U	57.1	28.6	
1,3,5-Trimethylbenzene	U	57.1	28.6	
tert-Butylbenzene	U	57.1	28.6	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Aqueous Blank - Base

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3511
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	QC100709-AB-B		
File ID:	D071630.D	Matrix:	Water
		Preservation:	None
Date Sampled:	NA	Decanted:	None
Date Received:	NA		
Date Prepared:	7/9/2010	Sample Volume (ml)	35.00
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	7/17/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100709-AB-B		

Analyte	Concentration (µg/L)	RL	EDL	Comments
1,2,4-Trimethylbenzene	U	57.1	28.6	
sec-Butylbenzene	U	57.1	28.6	
Phenol	U	57.1	28.6	
bis(2-Chloroethyl)ether	U	57.1	28.6	
Aniline	U	57.1	28.6	
2-Chlorophenol	U	57.1	28.6	
1,3-Dichlorobenzene	U	57.1	28.6	
1,4-Dichlorobenzene	U	57.1	28.6	
p-Isopropyltoluene	U	57.1	28.6	
Benzyl Alcohol	U	57.1	28.6	
2-Methylphenol (m-cresol)	U	57.1	28.6	
1,2-Dichlorobenzene	U	57.1	28.6	
3,4-Methylphenol (o,p-cresol)	U	57.1	28.6	
bis(2-chloroisopropyl)ether	U	57.1	28.6	
n-Butylbenzene	U	57.1	28.6	
N-nitroso-di-n-propylamine	U	57.1	28.6	
Hexachloroethane	U	57.1	28.6	
1,2-Dibromo-3-Chloropropane	U	57.1	28.6	
Nitrobenzene	U	57.1	28.6	
Isophorone	U	57.1	28.6	
2-Nitrophenol	U	57.1	28.6	
2,4-Dimethylphenol	U	57.1	28.6	
bis(2-Chloroethoxy)methane	U	57.1	28.6	
1,2,4-Trichlorobenzene	U	57.1	28.6	
Naphthalene	U	57.1	28.6	
2,4-Dichlorophenol	U	57.1	28.6	
4-Chloroaniline	U	57.1	28.6	
Hexachlorobutadiene	U	57.1	28.6	
1,2,3-Trichlorobenzene	U	57.1	28.6	
4-Chloro-3-methylphenol	U	57.1	28.6	
2-Methylnaphthalene	U	57.1	28.6	
1-Methylnaphthalene	U	57.1	28.6	
Hexachlorocyclopentadiene	U	57.1	28.6	
2,4,6-Trichlorophenol	U	57.1	28.6	
2,4,5-Trichlorophenol	U	57.1	28.6	
Diphenylamine	U	57.1	28.6	
Azobenzene	U	57.1	28.6	
2-Chloronaphthalene	U	57.1	28.6	
2-Nitroaniline	U	57.1	28.6	
1,4-Dinitrobenzene	U	57.1	28.6	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Aqueous Blank - Base

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3511
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	QC100709-AB-B		
File ID:	D071630.D	Matrix:	Water
		Preservation:	None
Date Sampled:	NA	Decanted:	None
Date Received:	NA		
Date Prepared:	7/9/2010	Sample Volume (ml)	35.00
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	7/17/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100709-AB-B		

Analyte	Concentration (µg/L)	RL	EDL	Comments
Dimethylphthalate	U	57.1	28.6	
1,3-Dinitrobenzene	U	57.1	28.6	
Acenaphthylene	U	57.1	28.6	
2,6-dinitrotoluene	U	57.1	28.6	
1,2-Dinitrobenzene	U	57.1	28.6	
3-Nitroaniline	U	57.1	28.6	
Acenaphthene	U	57.1	28.6	
2,4-Dinitrophenol	U	57.1	28.6	
4-Nitrophenol	U	57.1	28.6	
Dibenzofuran	U	57.1	28.6	
2,4-dinitrotoluene	U	57.1	28.6	
2,3,4,6-Tetrachlorophenol	U	57.1	28.6	
2,3,5,6-Tetrachlorophenol	U	57.1	28.6	
Diethylphthalate	U	57.1	28.6	
4-Chlorophenyl-phenylether	U	57.1	28.6	
Fluorene	U	57.1	28.6	
4-Nitroaniline	U	57.1	28.6	
4,6-Dinitro-2-methylphenol	U	57.1	28.6	
n-Nitrosodiphenylamine	U	57.1	28.6	
4-Bromophenyl phenyl ether	U	57.1	28.6	
Hexachlorobenzene	U	57.1	28.6	
Pentachlorophenol	U	57.1	28.6	
Phenanthrene	U	57.1	28.6	
Anthracene	U	57.1	28.6	
Carbazole	U	57.1	28.6	
Di-n-butylphthalate	U	57.1	28.6	
Bis(2-ethylhexyl) adipate	U	57.1	28.6	
Fluoranthene	U	57.1	28.6	
Pyrene	U	57.1	28.6	
Butylbenzylphthalate	U	57.1	28.6	
Benz[a]anthracene	U	57.1	28.6	
Chrysene	U	57.1	28.6	
bis(2-Ethylhexyl)phthalate	U	57.1	28.6	
Di-n-octylphthalate	U	57.1	28.6	
Benzo[b]fluoranthene	U	57.1	28.6	
Benzo[k]fluoranthene	U	57.1	28.6	
Benzo[a]pyrene	U	57.1	28.6	
Indeno[1,2,3-cd]pyrene	U	57.1	28.6	
Dibenz[a,h]anthracene	U	57.1	28.6	
Benzo[g,h,i]perylene	U	57.1	28.6	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Aqueous Blank - Base

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3511
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	QC100709-AB-B		
File ID:	D071630.D	Matrix:	Water
		Preservation:	None
Date Sampled:	NA	Decanted:	None
Date Received:	NA		
Date Prepared:	7/9/2010	Sample Volume (ml)	35.00
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	7/17/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100709-AB-B		

Analyte	Concentration (µg/L)	RL	EDL	Comments
Extraction Surrogate Recoveries (%)		Limits		
Toluene-d8	57	50 - 120		
4-Bromofluorobenzene	63	50 - 120		
2-Fluorophenol		50 - 120		
Phenol-d5		50 - 120		
Nitrobenzene-d5	86	50 - 120		
2-Fluorobiphenyl	78	50 - 120		
2,4,6-Tribromophenol		50 - 120		
p-Terphenyl-d14	79	50 - 120		

NA - Not applicable.
B - Analyte detected in the Blank.
J - Estimated value; detected between the RL and DL.
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Aqueous Blank Spike - Base

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3511
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	QC100709-ABS-B		
File ID:	D071631.D	Matrix:	Water
		Preservation:	None
Date Sampled:	NA	Decanted:	None
Date Received:	NA		
Date Prepared:	7/9/2010	Sample Volume (ml)	35.00
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	7/17/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100709-AB-B		

Analyte	Concentration (µg/L)		RL	EDL	Comments
VOC & SVOC COMPOUNDS:	Spike Amount				% Recovery
cis-1,2-Dichloroethene	1430	1,350	57.1	28.6	94
2,2-Dichloropropane	1430	1,410	57.1	28.6	99
Chloroform	1430	1,340	57.1	28.6	94
1,1,1-Trichloroethane	1430	1,420	57.1	28.6	99
1,2-Dichloroethane	1430	1,440	57.1	28.6	101
1,1-Dichloropropene	1430	1,390	57.1	28.6	97
Benzene	1430	1,360	57.1	28.6	95
Carbon Tetrachloride	1430	1,400	57.1	28.6	98
1,2-Dichloropropane	1430	1,310	57.1	28.6	92
Trichloroethene	1430	1,900	57.1	28.6	133
Dibromomethane	1430	1,360	57.1	28.6	95
Bromodichloromethane	1430	1,440	57.1	28.6	101
Pyridine	1430	1,060	57.1	28.6	74
cis-1,3-Dichloropropene	1430	1,430	57.1	28.6	100
N-nitrosodimethylamine	1430	466	57.1	28.6	33
Toluene	1430	1,290	57.1	28.6	90
trans-1,3-Dichloropropene	1430	1,360	57.1	28.6	95
1,1,2-Trichloroethane	1430	1,190	57.1	28.6	83
1,3-Dichloropropane	1430	1,350	57.1	28.6	94
Dibromochloromethane	1430	1,390	57.1	28.6	97
1,2-Dibromoethane	1430	1,410	57.1	28.6	99
Tetrachloroethene	1430	1,350	57.1	28.6	94
Chlorobenzene	1430	1,370	57.1	28.6	96
1,1,1,2-Tetrachloroethane	1430	1,400	57.1	28.6	98
Ethylbenzene	1430	1,360	57.1	28.6	95
m/p-Xylenes	1430	1,420	57.1	28.6	99
Bromoform	1430	1,460	57.1	28.6	102
Styrene	1430	1,430	57.1	28.6	100
o-Xylene	1430	1,340	57.1	28.6	94
1,1,2,2-Tetrachloroethane	1430	598	57.1	28.6	42
1,2,3-Trichloropropane	1430	1,390	57.1	28.6	97
Isopropylbenzene	1430	1,320	57.1	28.6	92
Bromobenzene	1430	1,400	57.1	28.6	98
2-Chlorotoluene	1430	1,440	57.1	28.6	101
n-Propylbenzene	1430	1,340	57.1	28.6	94
4-Chlorotoluene	1430	1,370	57.1	28.6	96
1,3,5-Trimethylbenzene	1430	1,380	57.1	28.6	97
tert-Butylbenzene	1430	1,320	57.1	28.6	92

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Aqueous Blank Spike - Base

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3511
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	QC100709-ABS-B		
File ID:	D071631.D	Matrix:	Water
		Preservation:	None
Date Sampled:	NA	Decanted:	None
Date Received:	NA		
Date Prepared:	7/9/2010	Sample Volume (ml)	35.00
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	7/17/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100709-AB-B		

Analyte		Concentration (µg/L)		RL	EDL	Comments
1,2,4-Trimethylbenzene	1430	1,290		57.1	28.6	90
sec-Butylbenzene	1430	1,300		57.1	28.6	91
Phenol	1430		U	57.1	28.6	
bis(2-Chloroethyl)ether	1430	1,390		57.1	28.6	97
Aniline	1430	1,240		57.1	28.6	87
2-Chlorophenol	1430		U	57.1	28.6	
1,3-Dichlorobenzene	2860	2,820		57.1	28.6	99
1,4-Dichlorobenzene	2860	2,820		57.1	28.6	99
p-Isopropyltoluene	1430	1,370		57.1	28.6	96
Benzyl Alcohol	1430	1,100		57.1	28.6	77
2-Methylphenol (m-cresol)	1430	91.4		57.1	28.6	6
1,2-Dichlorobenzene	2860	2,810		57.1	28.6	98
3,4-Methylphenol (o,p-cresol)	1430		U	57.1	28.6	
bis(2-chloroisopropyl)ether	1430	1,400		57.1	28.6	98
n-Butylbenzene	1430	1,350		57.1	28.6	94
N-nitroso-di-n-propylamine	1430	1,550		57.1	28.6	108
Hexachloroethane	1430	1,440		57.1	28.6	101
1,2-Dibromo-3-Chloropropane	1430	1,430		57.1	28.6	100
Nitrobenzene	1430	1,410		57.1	28.6	99
Isophorone	1430	1,370		57.1	28.6	96
2-Nitrophenol	1430		U	57.1	28.6	
2,4-Dimethylphenol	1430	384		57.1	28.6	27
bis(2-Chloroethoxy)methane	1430	1,440		57.1	28.6	101
1,2,4-Trichlorobenzene	2860	2,890		57.1	28.6	101
Naphthalene	2860	2,930		57.1	28.6	102
2,4-Dichlorophenol	1430		U	57.1	28.6	
4-Chloroaniline	1430	1,380		57.1	28.6	97
Hexachlorobutadiene	2860	2,720		57.1	28.6	95
1,2,3-Trichlorobenzene	1430	1,410		57.1	28.6	99
4-Chloro-3-methylphenol	1430		U	57.1	28.6	
2-Methylnaphthalene	1430	1,310		57.1	28.6	92
1-Methylnaphthalene	1430	1,380		57.1	28.6	97
Hexachlorocyclopentadiene	1430	1,410		57.1	28.6	99
2,4,6-Trichlorophenol	1430		U	57.1	28.6	
2,4,5-Trichlorophenol	1430		U	57.1	28.6	
Diphenylamine	1430	1,370		57.1	28.6	96
Azobenzene	1430	1,400		57.1	28.6	98
2-Chloronaphthalene	1430	1,410		57.1	28.6	99
2-Nitroaniline	1430	1,480		57.1	28.6	103
1,4-Dinitrobenzene	1430	1,610		57.1	28.6	113

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Aqueous Blank Spike - Base

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3511
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	QC100709-ABS-B		
File ID:	D071631.D	Matrix:	Water
		Preservation:	None
Date Sampled:	NA	Decanted:	None
Date Received:	NA		
Date Prepared:	7/9/2010	Sample Volume (ml)	35.00
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	7/17/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100709-AB-B		

Analyte	Concentration (µg/L)			RL	EDL	Comments
Dimethylphthalate	1430	1,260		57.1	28.6	88
1,3-Dinitrobenzene	1430	1,510		57.1	28.6	106
Acenaphthylene	1430	1,370		57.1	28.6	96
2,6-dinitrotoluene	1430	1,530		57.1	28.6	107
1,2-Dinitrobenzene	1430	1,590		57.1	28.6	111
3-Nitroaniline	1430	1,370		57.1	28.6	96
Acenaphthene	1430	1,410		57.1	28.6	99
2,4-Dinitrophenol	1430		U	57.1	28.6	
4-Nitrophenol	1430		U	57.1	28.6	
Dibenzofuran	1430	1,390		57.1	28.6	97
2,4-dinitrotoluene	1430	1,600		57.1	28.6	112
2,3,4,6-Tetrachlorophenol	1430		U	57.1	28.6	
2,3,5,6-Tetrachlorophenol	1430		U	57.1	28.6	
Diethylphthalate	1430	1,400		57.1	28.6	98
4-Chlorophenyl-phenylether	1430	1,430		57.1	28.6	100
Fluorene	1430	1,390		57.1	28.6	97
4-Nitroaniline	1430	1,310		57.1	28.6	92
4,6-Dinitro-2-methylphenol	1430		U	57.1	28.6	
n-Nitrosodiphenylamine	1430	1,320		57.1	28.6	92
4-Bromophenyl phenyl ether	1430	1,320		57.1	28.6	92
Hexachlorobenzene	1430	1,340		57.1	28.6	94
Pentachlorophenol	1430		U	57.1	28.6	
Phenanthrene	1430	1,460		57.1	28.6	102
Anthracene	1430	1,470		57.1	28.6	103
Carbazole	1430	1,340		57.1	28.6	94
Di-n-butylphthalate	1430	1,380		57.1	28.6	97
Bis(2-ethylhexyl) adipate	1430	1,440		57.1	28.6	101
Fluoranthene	1430	1,460		57.1	28.6	102
Pyrene	1430	1,420		57.1	28.6	99
Butylbenzylphthalate	1430	1,630		57.1	28.6	114
Benz[a]anthracene	1430	1,420		57.1	28.6	99
Chrysene	1430	1,330		57.1	28.6	93
bis(2-Ethylhexyl)phthalate	1430	1,640		57.1	28.6	115
Di-n-octylphthalate	1430	1,580		57.1	28.6	110
Benzo[b]fluoranthene	1430	1,350		57.1	28.6	94
Benzo[k]fluoranthene	1430	1,430		57.1	28.6	100
Benzo[a]pyrene	1430	1,370		57.1	28.6	96
Indeno[1,2,3-cd]pyrene	1430	1,440		57.1	28.6	101
Dibenz[a,h]anthracene	1430	1,450		57.1	28.6	101
Benzo[g,h,i]perylene	1430	1,380		57.1	28.6	97

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: Aqueous Blank Spike - Base

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3511
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	QC100709-ABS-B		
File ID:	D071631.D	Matrix:	Water
		Preservation:	None
Date Sampled:	NA	Decanted:	None
Date Received:	NA		
Date Prepared:	7/9/2010	Sample Volume (ml)	35.00
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	7/17/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	QC100709-AB-B		

Analyte	Concentration (µg/L)	RL	EDL	Comments
Extraction Surrogate Recoveries (%)		Limits		
Toluene-d8	90	50 - 120		
4-Bromofluorobenzene	93	50 - 120		
2-Fluorophenol		50 - 120		
Phenol-d5		50 - 120		
Nitrobenzene-d5	98	50 - 120		
2-Fluorobiphenyl	96	50 - 120		
2,4,6-Tribromophenol		50 - 120		
p-Terphenyl-d14	99	50 - 120		

NA - Not applicable.
B - Analyte detected in the Blank.
J - Estimated value; detected between the RL and DL.
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.

Appendix H

Tentatively Identified Compounds

Analytical Results for
Volatile and Semivolatile Tentatively Identified Compounds
META Environmental, Inc.

Field ID: NAPL F

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3580
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-01		
File ID:	D070222.D	Matrix:	NAPL
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/16/2010	Sample Weight (g)	0.0223
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	7/3/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1
Operator:	JAR	Analysis DF:	1
		Injection Volume (µl):	1.00
Batch QC:	QC100616-MB		

Analyte	Concentration (mg/kg)			RL	EDL	Comments
Tentatively Identified Compounds	R.T.					
unknown hydrocarbon	14.21	67.3	NJ	89.7	44.8	
unknown hydrocarbon	14.47	53.8	NJ	89.7	44.8	
unknown hydrocarbon	15.54	53.8	NJ	89.7	44.8	
unknown hydrocarbon	16.02	87.0	NJ	89.7	44.8	
unknown hydrocarbon	17.71	76.2	NJ	89.7	44.8	
Naphthalene, 1-ethyl-	17.79	58.3	NJ	89.7	44.8	
Naphthalene, 1,7-dimethyl-	17.98	210	NJ	89.7	44.8	
Naphthalene, 1,4-dimethyl-	18.22	285	NJ	89.7	44.8	
Naphthalene, 2,7-dimethyl-	18.28	118	NJ	89.7	44.8	
Naphthalene, 2,3-dimethyl-	18.55	85.2	NJ	89.7	44.8	
unknown hydrocarbon	18.72	84.3	NJ	89.7	44.8	
Naphthalene, 2-(1-methylethyl)-	19.57	155	NJ	89.7	44.8	
trimethylnaphthalene isomer	19.90	91.5	NJ	89.7	44.8	
trimethylnaphthalene isomer	19.98	173	NJ	89.7	44.8	
trimethylnaphthalene isomer	20.24	303	NJ	89.7	44.8	
trimethylnaphthalene isomer	20.50	164	NJ	89.7	44.8	
unknown tetraalkylnaphthalene	21.34	55.6	NJ	89.7	44.8	
unknown hydrocarbon	21.53	1,080	NJ	89.7	44.8	
unknown azulene isomer	22.31	71.7	NJ	89.7	44.8	
unknown hydrocarbon	22.33	227	NJ	89.7	44.8	
9H-Fluorene, 2-methyl-	22.60	78.0	NJ	89.7	44.8	
unknown	22.98	61.9	NJ	89.7	44.8	
unknown	23.29	77.1	NJ	89.7	44.8	
unknown hydrocarbon	23.74	167	NJ	89.7	44.8	
Dibenzothiophene, 3-methyl-	24.63	87.0	NJ	89.7	44.8	
Anthracene, 1-methyl-	25.48	128	NJ	89.7	44.8	
Phenanthrene, 2,3-dimethyl-	26.88	158	NJ	89.7	44.8	
unknown trialkyl phenanthrene	28.27	55.6	NJ	89.7	44.8	
unknown trialkyl phenanthrene	28.28	153	NJ	89.7	44.8	

NA - Not applicable.
N - Tentatively identified compound.
J - Estimated value.
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.

Analytical Results for
Volatile and Semivolatile Tentatively Identified Compounds
META Environmental, Inc.

Field ID: NAPL F SO-1

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-02		
File ID:	D070210.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/16/2010	Sample Weight (g)	4.16
Date Cleanup:	NA	Percent Solid:	82.8%
Date Analyzed:	7/2/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1
Operator:	JAR	Analysis DF:	1
		Injection Volume (µl):	1.00
Batch QC:	QC100616-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
Tentatively Identified Compounds	R.T.				
3-Buten-2-one, 3-methyl-	3.34	0.488 NJ	0.581	0.291	
Butane, 2,2,3,3-tetramethyl-	3.55	5.61 NJ	0.581	0.291	
2-Propanol, 1-[1-methyl-2-(2-prope	14.98	1.2 NJ	0.581	0.291	
2-Propanol, 1,1'-[(1-methyl-1,2-et	15.06	1.84 NJ	0.581	0.291	
Propanoic acid, 2-methyl-, 1-(1,1-	20.87	0.877 NJ	0.581	0.291	
Hexanedioic acid, dibutyl ester	23.15	1.36 NJ	0.581	0.291	
Cyclic octaatomic sulfur	27.07	22.1 NJ	0.581	0.291	

NA - Not applicable.
N - Tentatively identified compound.
J - Estimated value.
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.

Analytical Results for
Volatile and Semivolatile Tentatively Identified Compounds
META Environmental, Inc.

Field ID: NAPL B

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3580
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-03		
File ID:	D070223.D	Matrix:	NAPL
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/16/2010	Sample Weight (g)	0.0209
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	7/3/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1
Operator:	JAR	Analysis DF:	1
		Injection Volume (µl):	1.00
Batch QC:	QC100616-MB		

Analyte	Concentration (mg/kg)			RL	EDL	Comments
Tentatively Identified Compounds	R.T.					
unknown hydrocarbon	14.47	118	NJ	95.7	47.8	
unknown hydrocarbon	15.54	125	NJ	95.7	47.8	
1H-Indene, 2,3-dihydro-1,1,3-trime	16.65	131	NJ	95.7	47.8	
Naphthalene, 2,3-dimethyl-	17.98	208	NJ	95.7	47.8	
Naphthalene, 2,6-dimethyl-	18.23	345	NJ	95.7	47.8	
Naphthalene, 1,6-dimethyl-	18.28	214	NJ	95.7	47.8	
Naphthalene, 1,4-dimethyl-	18.55	120	NJ	95.7	47.8	
unknown hydrocarbon	18.71	161	NJ	95.7	47.8	
Naphthalene, 2-(1-methylethyl)-	19.57	196	NJ	95.7	47.8	
Butylated Hydroxytoluene	19.62	541	NJ	95.7	47.8	
trimethylnaphthalene isomer	19.98	260	NJ	95.7	47.8	
trimethylnaphthalene isomer	20.24	295	NJ	95.7	47.8	
trimethylnaphthalene isomer	20.26	98.6	NJ	95.7	47.8	
trimethylnaphthalene isomer	20.50	152	NJ	95.7	47.8	
trimethylnaphthalene isomer	20.54	154	NJ	95.7	47.8	
Naphthalene, 1,4,5-trimethyl-	20.89	123	NJ	95.7	47.8	
Butylated Hydroxytoluene isomer	21.52	624	NJ	95.7	47.8	
Phenol, 4,6-di(1,1-dimethylethyl)-	21.53	168	NJ	95.7	47.8	
Butylated Hydroxytoluene isomer	22.01	1,390	NJ	95.7	47.8	
unknown azulene isomer	22.31	171	NJ	95.7	47.8	
unknown hydrocarbon	22.34	509	NJ	95.7	47.8	
9H-Fluorene, 1-methyl-	22.60	142	NJ	95.7	47.8	
unknown	22.99	104	NJ	95.7	47.8	
Anthracene, 2-methyl-	25.50	200	NJ	95.7	47.8	
Phenanthrene, 2,5-dimethyl-	26.88	187	NJ	95.7	47.8	
Cyclic octaatomic sulfur	27.04	99.5	NJ	95.7	47.8	
unknown	28.98	120	NJ	95.7	47.8	
unknown	29.00	262	NJ	95.7	47.8	
unknown	34.47	1,130	NJ	95.7	47.8	

NA - Not applicable.
N - Tentatively identified compound.
J - Estimated value.
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.

Analytical Results for
Volatile and Semivolatile Tentatively Identified Compounds
META Environmental, Inc.

Field ID: NAPL B SO-1

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-04		
File ID:	D070211.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/16/2010	Sample Weight (g)	4.24
Date Cleanup:	NA	Percent Solid:	68.1%
Date Analyzed:	7/3/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1
Operator:	JAR	Analysis DF:	1
		Injection Volume (µl):	1.00
Batch QC:	QC100616-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
Tentatively Identified Compounds	R.T.				
3-Buten-2-one, 3-methyl-	3.33	1.36 NJ	0.693	0.346	
Undecane, 2,6-dimethyl-	14.48	1.41 NJ	0.693	0.346	
2-Propanol, 1-[1-methyl-2-(2-prope	14.98	1.87 NJ	0.693	0.346	
2-Butanol, 3,3'-oxybis-	15.06	1.86 NJ	0.693	0.346	
Benzene, 1-(1-methylethenyl)-2-(1-	16.64	1.25 NJ	0.693	0.346	
Decahydro-4,4,8,9,10-pentamethylna	18.33	1.1 NJ	0.693	0.346	
Dodecane, 2,6,10-trimethyl-	18.72	1.24 NJ	0.693	0.346	
Naphthalene, dimethyl-	18.81	1.27 NJ	0.693	0.346	
Decahydro-4,4,8,9,10-pentamethylna	18.93	0.956 NJ	0.693	0.346	
Butylated Hydroxytoluene $$ Phenol	19.62	3.21 NJ	0.693	0.346	
Naphthalene, trimethyl-	20.24	2.94 NJ	0.693	0.346	
Phenol, 4,6-di(1,1-dimethylethyl)-	21.51	5.69 NJ	0.693	0.346	
Phenol, 4,6-di(1,1-dimethylethyl)-	22.01	9.81 NJ	0.693	0.346	
Azulene, 7-ethyl-1,4-dimethyl-	22.30	1.07 NJ	0.693	0.346	
unknown hydrocarbon	22.33	1.67 NJ	0.693	0.346	
9H-Fluorene, methyl-	22.59	1.44 NJ	0.693	0.346	
Hexanedioic acid, dibutyl ester	23.16	1.11 NJ	0.693	0.346	
Methyldibenzothiophene	24.62	1.02 NJ	0.693	0.346	
Cyclic octaatomic sulfur	27.14	85.4 NJ	0.693	0.346	
unknown	29.00	1.26 NJ	0.693	0.346	
unknown	31.47	4.29 NJ	0.693	0.346	
butylbenzoic acid isomer	34.46	5.08 NJ	0.693	0.346	
unknown	37.73	3.17 NJ	0.693	0.346	
.gamma.-Sitosterol	39.09	5.42 NJ	0.693	0.346	
unknown	40.07	1.33 NJ	0.693	0.346	
unknown	40.09	1.27 NJ	0.693	0.346	
unknown	40.26	1.98 NJ	0.693	0.346	
unknown	40.82	10.3 NJ	0.693	0.346	
Phenanthrenone, isomer	40.83	3.28 NJ	0.693	0.346	
unknown	41.52	20.1 NJ	0.693	0.346	

NA - Not applicable.
N - Tentatively identified compound.
J - Estimated value.
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.

Analytical Results for
Volatile and Semivolatile Tentatively Identified Compounds
META Environmental, Inc.

Field ID: NAPL C

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3580
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-05		
File ID:	D070226.D	Matrix:	NAPL
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/16/2010	Sample Weight (g)	0.0259
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	7/3/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1
Operator:	JAR	Analysis DF:	1
		Injection Volume (µl):	1.00
Batch QC:	QC100616-MB		

Analyte	Concentration (mg/kg)			RL	EDL	Comments
Tentatively Identified Compounds	R.T.					
Phenol, 2-(1,1-dimethylethyl)-4-me	16.95	7,740	NJ	77.2	38.6	
Phenol, 2-(1,1-dimethylethyl)-5-me	17.12	706	NJ	77.2	38.6	
6-tert-Butyl-2,4-dimethylphenol	17.61	1,320	NJ	77.2	38.6	
Phenol, 2-(1,1-dimethylethyl)-3-me	18.60	469	NJ	77.2	38.6	
2,5-Cyclohexadiene-1,4-dione, 2,6-	18.96	2,670	NJ	77.2	38.6	
4-Methyl-2-tert-octylphenol	19.15	1,390	NJ	77.2	38.6	
Butylated Hydroxytoluene	19.66	13,400	NJ	77.2	38.6	
Butylated Hydroxytoluene isomer	20.00	1,250	NJ	77.2	38.6	
unknown	20.04	1,030	NJ	77.2	38.6	
unknown	20.30	1,680	NJ	77.2	38.6	
Phenol, 2,4,6-tris(1,1-dimethyleth	21.01	535	NJ	77.2	38.6	
Phenol, 4,6-di(1,1-dimethylethyl)-	21.55	12,400	NJ	77.2	38.6	
Butylated Hydroxytoluene isomer	21.71	547	NJ	77.2	38.6	
Butylated Hydroxytoluene isomer	21.90	403	NJ	77.2	38.6	
Butylated Hydroxytoluene isomer	22.07	19,400	NJ	77.2	38.6	
unknown	22.34	381	NJ	77.2	38.6	
Butylated Hydroxytoluene isomer	23.14	1,880	NJ	77.2	38.6	
Butylated Hydroxytoluene isomer	23.33	1,640	NJ	77.2	38.6	
unknown hydrocarbon	26.15	527	NJ	77.2	38.6	
unknown	29.02	2,240	NJ	77.2	38.6	
Butylated Hydroxytoluene isomer	33.68	813	NJ	77.2	38.6	
unknown	34.54	23,000	NJ	77.2	38.6	
unknown	34.77	630	NJ	77.2	38.6	
unknown hydrocarbon	35.26	354	NJ	77.2	38.6	
unknown hydrocarbon	36.11	377	NJ	77.2	38.6	
unknown	36.73	839	NJ	77.2	38.6	
unknown	37.98	1,060	NJ	77.2	38.6	
unknown	37.98	585	NJ	77.2	38.6	
unknown	44.03	458	NJ	77.2	38.6	

NA - Not applicable.
N - Tentatively identified compound.
J - Estimated value.
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.

Analytical Results for
Volatile and Semivolatile Tentatively Identified Compounds
META Environmental, Inc.

Field ID: NAPL C SO-1

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-06		
File ID:	D070212.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/16/2010	Sample Weight (g)	4.58
Date Cleanup:	NA	Percent Solid:	44.8%
Date Analyzed:	7/3/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1
Operator:	JAR	Analysis DF:	1
		Injection Volume (µl):	1.00
Batch QC:	QC100616-SB		

Analyte	Concentration (mg/kg dry wt.)			RL	EDL	Comments
Tentatively Identified Compounds	R.T.					
Phenol, 2-(1,1-dimethylethyl)-4-me	16.93	21.2	NJ	0.976	0.488	
2,5-Cyclohexadiene-1,4-dione, 2,6-	18.94	5.09	NJ	0.976	0.488	
2,5-Cyclohexadiene-1,4-dione, 2,6-	18.95	8.59	NJ	0.976	0.488	
4-Methyl-2-tert-octylphenol	19.15	13.3	NJ	0.976	0.488	
Butylated Hydroxytoluene	19.62	50.3	NJ	0.976	0.488	
Phenol, 4,6-di(1,1-dimethylethyl)-	19.98	5.9	NJ	0.976	0.488	
unknown phenol	20.03	4.56	NJ	0.976	0.488	
unknown	20.28	13.6	NJ	0.976	0.488	
Phenol, 4,6-di(1,1-dimethylethyl)-	21.53	68.4	NJ	0.976	0.488	
Butylated Hydroxytoluene isomer	21.69	6.09	NJ	0.976	0.488	
Butylated Hydroxytoluene isomer	21.87	5.79	NJ	0.976	0.488	
Butylated Hydroxytoluene isomer	22.05	136	NJ	0.976	0.488	
unknown	23.13	14.2	NJ	0.976	0.488	
3,5-di-tert-Butyl-4-hydroxybenzald	23.32	8.04	NJ	0.976	0.488	
Cyclic octaatomic sulfur	27.05	12.4	NJ	0.976	0.488	
unknown	28.99	19.4	NJ	0.976	0.488	
unknown	30.37	10.9	NJ	0.976	0.488	
unknown	30.97	7.86	NJ	0.976	0.488	
unknown	31.89	7.4	NJ	0.976	0.488	
unknown phenol	33.16	4.5	NJ	0.976	0.488	
unknown	33.66	5.3	NJ	0.976	0.488	
unknown	34.48	79.0	NJ	0.976	0.488	
unknown	34.74	6.91	NJ	0.976	0.488	
unknown hydrocarbon	35.26	11.6	NJ	0.976	0.488	
unknown	36.70	6.38	NJ	0.976	0.488	
unknown hydrocarbon	36.90	8.56	NJ	0.976	0.488	
unknown	37.95	6.76	NJ	0.976	0.488	
Stigmasterol, 22,23-dihydro-	39.08	6.02	NJ	0.976	0.488	
unknown	39.68	4.73	NJ	0.976	0.488	

NA - Not applicable.
N - Tentatively identified compound.
J - Estimated value.
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.

Analytical Results for
Volatile and Semivolatile Tentatively Identified Compounds
META Environmental, Inc.

Field ID: NAPL D

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3580
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-07		
File ID:	D070227.D	Matrix:	NAPL
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/16/2010	Sample Weight (g)	0.0252
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	7/3/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1
Operator:	JAR	Analysis DF:	1
		Injection Volume (µl):	1.00
Batch QC:	QC100616-MB		

Analyte	Concentration (mg/kg)			RL	EDL	Comments
Tentatively Identified Compounds	R.T.					
Phenol, 2-(1,1-dimethylethyl)-4-me	16.96	3,970	NJ	79.4	39.7	
6-tert-Butyl-2,4-dimethylphenol	17.61	1,030	NJ	79.4	39.7	
2,5-Cyclohexadiene-1,4-dione, 2,6-	18.96	1,880	NJ	79.4	39.7	
unknown phenol	19.15	1,270	NJ	79.4	39.7	
Butylated Hydroxytoluene	19.67	17,400	NJ	79.4	39.7	
Butylated Hydroxytoluene isomer	20.00	1,330	NJ	79.4	39.7	
Butylated Hydroxytoluene isomer	20.05	1,070	NJ	79.4	39.7	
unknown	20.32	1,730	NJ	79.4	39.7	
Phenol, 2,4,6-tris(1,1-dimethyleth	21.01	473	NJ	79.4	39.7	
Phenol, 4,6-di(1,1-dimethylethyl)-	21.57	16,500	NJ	79.4	39.7	
Butylated Hydroxytoluene isomer	21.71	855	NJ	79.4	39.7	
Butylated Hydroxytoluene isomer	22.09	6,360	NJ	79.4	39.7	
Butylated Hydroxytoluene isomer	22.10	20,000	NJ	79.4	39.7	
Butylated Hydroxytoluene isomer	23.15	3,520	NJ	79.4	39.7	
3,5-di-tert-Butyl-4-hydroxybenzald	23.35	2,720	NJ	79.4	39.7	
Cyclic octaatomic sulfur	27.08	478	NJ	79.4	39.7	
unknown	29.03	7,180	NJ	79.4	39.7	
unknown phenol	31.92	2,490	NJ	79.4	39.7	
unknown	32.09	378	NJ	79.4	39.7	
unknown	33.18	604	NJ	79.4	39.7	
unknown	33.58	484	NJ	79.4	39.7	
unknown	33.69	1,080	NJ	79.4	39.7	
unknown	34.25	1,000	NJ	79.4	39.7	
unknown	34.52	15,700	NJ	79.4	39.7	
unknown	34.76	701	NJ	79.4	39.7	
unknown	36.72	904	NJ	79.4	39.7	
unknown	37.97	676	NJ	79.4	39.7	
unknown	37.98	424	NJ	79.4	39.7	
unknown	39.85	564	NJ	79.4	39.7	
unknown	44.05	410	NJ	79.4	39.7	

NA - Not applicable.
N - Tentatively identified compound.
J - Estimated value.
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.

Analytical Results for
Volatile and Semivolatile Tentatively Identified Compounds
META Environmental, Inc.

Field ID: NAPL D SO-1

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-08		
File ID:	D070219.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/16/2010	Sample Weight (g)	4.13
Date Cleanup:	NA	Percent Solid:	44.7%
Date Analyzed:	7/3/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1
Operator:	JAR	Analysis DF:	1
		Injection Volume (µl):	1.00
Batch QC:	QC100616-SB		

Analyte	Concentration (mg/kg dry wt.)			RL	EDL	Comments
Tentatively Identified Compounds	R.T.					
Phenol, 2-(1,1-dimethylethyl)-4-me	16.93	37.9	NJ	1.08	0.541	
6-tert-Butyl-2,4-dimethylphenol	17.59	15.5	NJ	1.08	0.541	
2,5-Cyclohexadiene-1,4-dione, 2,6-	18.96	19.6	NJ	1.08	0.541	
4-Methyl-2-tert-octylphenol	19.15	39.5	NJ	1.08	0.541	
Butylated Hydroxytoluene	19.68	383	NJ	1.08	0.541	
Phenol, 4,6-di(1,1-dimethylethyl)-	19.99	29.2	NJ	1.08	0.541	
unknown phenol	20.04	22.2	NJ	1.08	0.541	
unknown	20.34	31.8	NJ	1.08	0.541	
Phenol, 2,4,6-tris(1,1-dimethyleth	21.01	14.3	NJ	1.08	0.541	
Butylated Hydroxytoluene isomer	21.71	25.7	NJ	1.08	0.541	
Butylated Hydroxytoluene isomer	22.11	134	NJ	1.08	0.541	
Butylated Hydroxytoluene isomer	22.14	403	NJ	1.08	0.541	
Butylated Hydroxytoluene isomer	23.15	68.4	NJ	1.08	0.541	
2,3,5,6-Detetrahydrocyclohexanone,	23.34	53.3	NJ	1.08	0.541	
Cyclic octaatomic sulfur	27.20	190	NJ	1.08	0.541	
unknown	29.05	155	NJ	1.08	0.541	
unknown	29.49	14.4	NJ	1.08	0.541	
unknown	30.38	15.8	NJ	1.08	0.541	
unknown	30.99	25.1	NJ	1.08	0.541	
unknown	31.91	71.7	NJ	1.08	0.541	
unknown	33.17	17.6	NJ	1.08	0.541	
unknown	33.57	21.2	NJ	1.08	0.541	
unknown	33.67	22.5	NJ	1.08	0.541	
unknown	34.25	24.1	NJ	1.08	0.541	
unknown	34.57	71.7	NJ	1.08	0.541	
unknown	34.58	283	NJ	1.08	0.541	
unknown	34.76	18.3	NJ	1.08	0.541	
unknown	36.71	21.3	NJ	1.08	0.541	
unknown	37.97	27.0	NJ	1.08	0.541	
unknown	39.74	83.5	NJ	1.08	0.541	

NA - Not applicable.
N - Tentatively identified compound.
J - Estimated value.
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.

Analytical Results for
Volatile and Semivolatile Tentatively Identified Compounds
META Environmental, Inc.

Field ID: NAPL E

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-09		
File ID:	D070229.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/15/2010	Decanted:	None
Date Received:	6/16/2010		
Date Prepared:	6/17/2010	Sample Weight (g)	4.76
Date Cleanup:	NA	Percent Solid:	44.6%
Date Analyzed:	7/3/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1
Operator:	JAR	Analysis DF:	1
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB		

Analyte	Concentration (mg/kg dry wt.)			RL	EDL	Comments
Tentatively Identified Compounds	R.T.					
Phenol, 2-(1,1-dimethylethyl)-4-me	17.03	44.1	NJ	0.942	0.471	
Butylated Hydroxytoluene isomer	21.80	81.6	NJ	0.942	0.471	
Butylated Hydroxytoluene isomer	22.32	302	NJ	0.942	0.471	
Butylated Hydroxytoluene	22.33	1,940	NJ	0.942	0.471	
unknown	22.46	61.4	NJ	0.942	0.471	
Butylated Hydroxytoluene isomer	22.60	96.3	NJ	0.942	0.471	
1,2-Benzenediol, 3,5-bis(1,1-dimet	22.69	80.5	NJ	0.942	0.471	
Butylated Hydroxytoluene isomer	23.21	219	NJ	0.942	0.471	
unknown	23.40	62.9	NJ	0.942	0.471	
3,5-di-tert-Butyl-4-hydroxybenzald	23.42	126	NJ	0.942	0.471	
unknown	23.51	81.5	NJ	0.942	0.471	
3,5-di-tert-Butyl-4-hydroxyacetoph	24.08	55.8	NJ	0.942	0.471	
unknown	24.73	59.3	NJ	0.942	0.471	
unknown	25.03	135	NJ	0.942	0.471	
unknown	25.29	186	NJ	0.942	0.471	
unknown	27.01	39.8	NJ	0.942	0.471	
unknown	27.14	45.7	NJ	0.942	0.471	
unknown	29.12	256	NJ	0.942	0.471	
unknown alkyl naphthalene	29.53	47.7	NJ	0.942	0.471	
unknown	30.99	38.9	NJ	0.942	0.471	
unknown phenol	31.96	36.8	NJ	0.942	0.471	
unknown	31.97	76.4	NJ	0.942	0.471	
Benzenedicarboxylic acid isomer	32.54	52.4	NJ	0.942	0.471	
unknown Benzenedicarboxylic acid	32.65	40.6	NJ	0.942	0.471	
unknown Benzenedicarboxylic acid	32.68	58.9	NJ	0.942	0.471	
unknown	32.98	66.5	NJ	0.942	0.471	
unknown phthalate	33.22	134	NJ	0.942	0.471	
unknown Benzenedicarboxylic acid	33.23	83.0	NJ	0.942	0.471	
unknown	33.29	102	NJ	0.942	0.471	
unknown	34.76	193	NJ	0.942	0.471	

NA - Not applicable.
N - Tentatively identified compound.
J - Estimated value.
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.

Analytical Results for
Volatile and Semivolatile Tentatively Identified Compounds
META Environmental, Inc.

Field ID: NAPL E SO-1

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-10		
File ID:	D070220.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/16/2010	Sample Weight (g)	4.34
Date Cleanup:	NA	Percent Solid:	64.5%
Date Analyzed:	7/3/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1
Operator:	JAR	Analysis DF:	1
		Injection Volume (µl):	1.00
Batch QC:	QC100616-SB		

Analyte	Concentration (mg/kg dry wt.)			RL	EDL	Comments
Tentatively Identified Compounds	R.T.					
Butylated Hydroxytoluene	19.78	66.9	NJ	0.714	0.357	
Phenol, 4,6-di(1,1-dimethylethyl)-	21.71	852	NJ	0.714	0.357	
Butylated Hydroxytoluene isomer	21.79	108	NJ	0.714	0.357	
Phenol, 4,6-di(1,1-dimethylethyl)-	22.31	1,720	NJ	0.714	0.357	
Phenol, 4,6-di(1,1-dimethylethyl)-	22.37	31.1	NJ	0.714	0.357	
unknown	22.44	44.7	NJ	0.714	0.357	
Butylated Hydroxytoluene isomer	22.58	40.7	NJ	0.714	0.357	
unknown	22.67	43.5	NJ	0.714	0.357	
Butylated Hydroxytoluene isomer	23.23	378	NJ	0.714	0.357	
3,5-di-tert-Butyl-4-hydroxybenzald	23.41	87.2	NJ	0.714	0.357	
3,5-di-tert-Butyl-4-hydroxybenzald	23.44	227	NJ	0.714	0.357	
unknown	25.91	43.4	NJ	0.714	0.357	
unknown	26.93	38.7	NJ	0.714	0.357	
Cyclic octaatomic sulfur	27.07	126	NJ	0.714	0.357	
unknown	29.13	110	NJ	0.714	0.357	
unknown	29.14	98.2	NJ	0.714	0.357	
unknown phenol	31.97	61.6	NJ	0.714	0.357	
unknown phenol	31.99	64.8	NJ	0.714	0.357	
unknown	33.20	29.7	NJ	0.714	0.357	
unknown	33.60	42.9	NJ	0.714	0.357	
unknown	33.71	73.3	NJ	0.714	0.357	
unknown	34.31	97.6	NJ	0.714	0.357	
unknown	34.62	321	NJ	0.714	0.357	
unknown	34.63	95.9	NJ	0.714	0.357	
unknown	34.80	49.1	NJ	0.714	0.357	
unknown	35.86	32.1	NJ	0.714	0.357	
unknown	36.75	70.2	NJ	0.714	0.357	
unknown	37.99	33.4	NJ	0.714	0.357	
unknown	39.87	30.6	NJ	0.714	0.357	
unknown	44.09	36.1	NJ	0.714	0.357	

NA - Not applicable.
N - Tentatively identified compound.
J - Estimated value.
U - Analyte not detected above DL.
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E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.

Analytical Results for
Volatile and Semivolatile Tentatively Identified Compounds
META Environmental, Inc.

Field ID: DUP 061110

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3580
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-11		
File ID:	D070228.D	Matrix:	NAPL
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/16/2010	Sample Weight (g)	0.0211
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	7/3/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1
Operator:	JAR	Analysis DF:	1
		Injection Volume (µl):	1.00
Batch QC:	QC100616-MB		

Analyte	Concentration (mg/kg)			RL	EDL	Comments
Tentatively Identified Compounds	R.T.					
unknown hydrocarbon	14.48	107	NJ	94.8	47.4	
unknown hydrocarbon	15.55	139	NJ	94.8	47.4	
Benzene, 1-(1-methylethenyl)-2-(1-	16.66	112	NJ	94.8	47.4	
Naphthalene, 1,3-dimethyl-	17.99	211	NJ	94.8	47.4	
Naphthalene, 1,4-dimethyl-	18.24	329	NJ	94.8	47.4	
Naphthalene, 1,6-dimethyl-	18.29	129	NJ	94.8	47.4	
Naphthalene, 2,6-dimethyl-	18.57	149	NJ	94.8	47.4	
unknown hydrocarbon	18.73	129	NJ	94.8	47.4	
unknown	18.96	165	NJ	94.8	47.4	
Naphthalene, 2,3,6-trimethyl-	19.58	171	NJ	94.8	47.4	
Butylated Hydroxytoluene	19.63	885	NJ	94.8	47.4	
trimethylnaphthalene isomer	20.01	210	NJ	94.8	47.4	
trimethylnaphthalene isomer	20.25	339	NJ	94.8	47.4	
trimethylnaphthalene isomer	20.50	130	NJ	94.8	47.4	
unknown trimethyl naphthalene	20.90	113	NJ	94.8	47.4	
Phenol, 4,6-di(1,1-dimethylethyl)-	21.54	1,260	NJ	94.8	47.4	
Butylated Hydroxytoluene isomer	22.04	2,750	NJ	94.8	47.4	
unknown hydrocarbon	22.33	134	NJ	94.8	47.4	
unknown hydrocarbon	22.35	447	NJ	94.8	47.4	
9H-Fluorene, 2-methyl-	22.62	140	NJ	94.8	47.4	
Butylated Hydroxytoluene isomer	23.14	150	NJ	94.8	47.4	
Dibenzothiophene, 4-methyl-	24.65	104	NJ	94.8	47.4	
Anthracene, 9-methyl-	25.51	172	NJ	94.8	47.4	
Phenanthrene, 2,3-dimethyl-	26.89	226	NJ	94.8	47.4	
unknown	28.99	114	NJ	94.8	47.4	
unknown	29.01	450	NJ	94.8	47.4	
unknown	34.48	2,050	NJ	94.8	47.4	

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Analytical Results for
Volatile and Semivolatile Tentatively Identified Compounds
META Environmental, Inc.

Field ID: DUP 061110

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	BD100612-12		
File ID:	D070221.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	6/11/2010	Decanted:	None
Date Received:	6/12/2010		
Date Prepared:	6/16/2010	Sample Weight (g)	4.20
Date Cleanup:	NA	Percent Solid:	74.7%
Date Analyzed:	7/3/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1
Operator:	JAR	Analysis DF:	1
		Injection Volume (µl):	1.00
Batch QC:	QC100616-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
Tentatively Identified Compounds	R.T.				
3-Buten-2-one, 3-methyl-	3.33	0.662 NJ	0.637	0.318	
unknown	3.55	0.580 NJ	0.637	0.318	
unknown	14.47	0.484 NJ	0.637	0.318	
Phenol, 2-(1,1-dimethylethyl)-4-me	16.93	0.529 NJ	0.637	0.318	
unknown hydrocarbon	18.71	0.388 NJ	0.637	0.318	
Naphthalene, dimethyl-	18.81	0.433 NJ	0.637	0.318	
unknown	18.93	0.484 NJ	0.637	0.318	
Butylated Hydroxytoluene isomer	19.62	2.2 NJ	0.637	0.318	
trimethylnaphthalene isomer	19.98	0.567 NJ	0.637	0.318	
trimethylnaphthalene isomer	20.24	0.834 NJ	0.637	0.318	
trimethylnaphthalene isomer	20.48	0.471 NJ	0.637	0.318	
trimethylnaphthalene isomer	20.89	0.522 NJ	0.637	0.318	
unknown alkyl naphthalene	21.34	0.408 NJ	0.637	0.318	
Phenol, 4,6-di(1,1-dimethylethyl)-	21.51	2.77 NJ	0.637	0.318	
Butylated Hydroxytoluene isomer	22.00	5.69 NJ	0.637	0.318	
unknown hydrocarbon	22.34	0.408 NJ	0.637	0.318	
9H-Fluorene, 1-methyl-	22.60	0.478 NJ	0.637	0.318	
unknown alkyl phenanthrene	22.70	0.388 NJ	0.637	0.318	
unknown	22.99	0.522 NJ	0.637	0.318	
Dibenzothiophene, 4-methyl-	24.63	0.560 NJ	0.637	0.318	
Cyclic octaatomic sulfur	27.11	44.1 NJ	0.637	0.318	
Phenanthrene, 2,3,5-trimethyl-	28.28	0.567 NJ	0.637	0.318	
unknown	28.97	0.408 NJ	0.637	0.318	
unknown	28.99	0.847 NJ	0.637	0.318	
unknown	34.46	3.06 NJ	0.637	0.318	
unknown	36.46	0.866 NJ	0.637	0.318	
.gamma.-Sitosterol	39.09	2.28 NJ	0.637	0.318	
.beta.-Sitosterol	39.10	0.694 NJ	0.637	0.318	
unknown	39.37	0.758 NJ	0.637	0.318	

NA - Not applicable.
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Analytical Results for
Volatile and Semivolatile Tentatively Identified Compounds
META Environmental, Inc.

Field ID: Method Blank

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3580
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	QC100616-MB		
File ID:	D070204.D	Matrix:	NAPL
		Preservation:	None
Date Sampled:	NA	Decanted:	None
Date Received:	NA		
Date Prepared:	6/16/2010	Sample Volume (m^3)	0.02
Date Cleanup:	NA	Percent Solid:	NA
Date Analyzed:	7/2/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1
Operator:	JAR	Analysis DF:	1
		Injection Volume (µl):	1.00
Batch QC:	QC100616-MB		

Analyte	Concentration (mg/kg)			RL	EDL	Comments
Tentatively Identified Compounds	R.T.					
unknown	5.75	110	NJ	100	50.0	
unknown	6.44	97.0	NJ	100	50.0	

NA - Not applicable.
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J - Estimated value.
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D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.

Analytical Results for
Volatile and Semivolatile Tentatively Identified Compounds
META Environmental, Inc.

Field ID: Soil Blank

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	QC100616-SB		
File ID:	D070206.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	NA	Decanted:	None
Date Received:	NA		
Date Prepared:	6/16/2010	Sample Weight (g)	4.00
Date Cleanup:	NA	Percent Solid:	100.0%
Date Analyzed:	7/2/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1
Operator:	JAR	Analysis DF:	1
		Injection Volume (µl):	1.00
Batch QC:	QC100616-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
Tentatively Identified Compounds	R.T.				
Propane, 2,2-dimethoxy-	3.04	0.425 NJ	0.500	0.250	
Dipropylene glycol $$ Propanol, ox	14.98	0.640 NJ	0.500	0.250	
1-Propanol, 2-(2-hydroxypropoxy)-	15.06	1.02 NJ	0.500	0.250	
Propanoic acid isomer	20.87	0.415 NJ	0.500	0.250	
Hexanedioic acid isomer	23.16	1.09 NJ	0.500	0.250	

NA - Not applicable.
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J - Estimated value.
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E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
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Analytical Results for
Volatile and Semivolatile Tentatively Identified Compounds
META Environmental, Inc.

Field ID: Soil Blank

Client:	EPEC Polymers, Inc.	Preparation Method:	EPA 3570
Project:	EPEC Polymers Site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8270M
Lab ID	QC100617-SB		
File ID:	D070208.D	Matrix:	Soil
		Preservation:	None
Date Sampled:	NA	Decanted:	None
Date Received:	NA		
Date Prepared:	6/17/2010	Sample Weight (g)	4.00
Date Cleanup:	NA	Percent Solid:	100.0%
Date Analyzed:	7/2/2010	Extract Volume (µl):	2000
Instrument:	Duster	Prep DF:	1
Operator:	JAR	Analysis DF:	1
		Injection Volume (µl):	1.00
Batch QC:	QC100617-SB		

Analyte	Concentration (mg/kg dry wt.)		RL	EDL	Comments
Tentatively Identified Compounds	R.T.				
Propane, 2,2-dimethoxy-	3.05	0.595 NJ	0.500	0.250	
unknown	3.54	0.290 NJ	0.500	0.250	

NA - Not applicable.
N - Tentatively identified compound.
J - Estimated value.
U - Analyte not detected above DL.
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E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 500-26466-1

Job Description: El Paso Energy PCN Analysis

For:
Brown and Caldwell
110 Commerce Drive
Allendale, NJ 07401

Attention: Ms. Carolyn A Spinapolice

Approved for release.
Marilyn G Krueding
Project Manager II
7/20/2010 3:37 PM

Marilyn G Krueding
Project Manager II
marilyn.krueding@testamericainc.com
07/20/2010

These test results meet all the requirements of NELAC for accredited parameters.

The Lab Certification ID#:
TestAmerica Chicago 100201

All questions regarding this test report should be directed to the TestAmerica Project Manager whose signature appears on this report. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.

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Job Narrative
500-26466-1

Comments
No additional comments.

Receipt
All samples were received in good condition within temperature requirements.

GC/MS Semi VOA
Method(s) 8270C: The %RPD of the laboratory control sample (LCS) and laboratory control standard duplicate (LCSD) for preparation batch 89207 exceeded control limits for the following analytes: Monochloronaphthalene, Total; Dichloronaphthalene, Total and Octachloronaphthalene, Total.

Method(s) 8270C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 89377 were outside control limits for Octachloronaphthalene, Total and for Tetrachloronaphthalene, Total in the MS. The RPD value for Tetrachloronaphthalene, Total was above the QC limit. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method(s) 8270C: Sample 500-26422-2 had one surrogate recovery biased high above the QC limit. The sample was re-analyzed for low ISTD areas. The re-analysis had acceptable surrogate recoveries. Both results have been reported. Sample 500-26422-4 had one surrogate recovery below the QC limit. The sample was not re-extracted due to holdtimes. The data has been reported and qualified.

Method(s) 8270C: Sample 500-26466-2 and the Method Blank (prep 89207) had one low recovery for ISTD 5 below the QC limit. The samples were re-analyzed. The Method Blank had all acceptable recoveries. Sample 500-26466-2 RA had two recoveries for ISTD 1 and ISTD 4. The CCV associated with the re-analysis had one analyte below the 30% D limit (Hexachloronaphthalene, Total at -34.3% D). Both analyses have been reported.

No other analytical or quality issues were noted.

Organic Prep
No analytical or quality issues were noted.

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Chicago Job No.: 500-26466-1

SDG No.:

Instrument ID: CMS01 Analysis Batch Number: 89756

Lab Sample ID: 500-26466-2 Client Sample ID: HD-12 (2-2.5)

Date Analyzed: 07/16/10 19:44 Lab File ID: 26466-2.D GC Column: ZB5MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Terphenyl-d14	9.51	Poor chromatography	rynkarg	07/19/10 11:04

Lab Sample ID: 500-26466-1 MS Client Sample ID: HD-12 (0-0.5) MS

Date Analyzed: 07/16/10 21:04 Lab File ID: 26466-1S.D GC Column: ZB5MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Terphenyl-d14	9.55	Baseline	rynkarg	07/19/10 10:47

Lab Sample ID: 500-26466-1 MSD Client Sample ID: HD-12 (0-0.5) MSD

Date Analyzed: 07/16/10 21:24 Lab File ID: 26466-1T.D GC Column: ZB5MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Terphenyl-d14	9.57	Baseline	rynkarg	07/19/10 10:48
Hexachloronaphthalene, Total	10.28	Baseline	rynkarg	07/19/10 10:50

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Chicago Job No.: 500-26466-1

SDG No.:

Instrument ID: CMS01 Analysis Batch Number: 89883

Lab Sample ID: MB 500-89207/1-A Client Sample ID:

Date Analyzed: 07/20/10 10:08 Lab File ID: 89207M.D GC Column: ZB5MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dichlorobenzene-d4	4.06	Baseline	rynkarg	07/20/10 13:00

Lab Sample ID: 500-26466-2 RA Client Sample ID: HD-12 (2-2.5) RA

Date Analyzed: 07/20/10 10:28 Lab File ID: 26466-2.D GC Column: ZB5MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Terphenyl-d14	9.51	Poor chromatography	rynkarg	07/20/10 12:58

SAMPLE SUMMARY

Client: Brown and Caldwell

Job Number: 500-26466-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
500-26466-1	HD-12 (0-0.5)	Solid	07/02/2010 1055	07/03/2010 0910
500-26466-2	HD-12 (2-2.5)	Solid	07/02/2010 1100	07/03/2010 0910
500-26466-3	HD-11 (0-0.5)	Solid	07/02/2010 1130	07/03/2010 0910
500-26466-4	HD-11 (2-2.5)	Solid	07/02/2010 1135	07/03/2010 0910
500-26466-5FB	FB070210	Water	07/02/2010 1205	07/03/2010 0910

EXECUTIVE SUMMARY - Detections

Client: Brown and Caldwell Job Number: 500-26466-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
500-26466-1	**HD-12 (0-0.5)**				
Hexachloronaphthalene, Total		170	120	ug/Kg	8270C
Percent Moisture		32	0.10	%	Moisture
Percent Solids		68	0.10	%	Moisture
500-26466-2	**HD-12 (2-2.5)**				
Percent Moisture		16	0.10	%	Moisture
Percent Solids		84	0.10	%	Moisture
500-26466-3	**HD-11 (0-0.5)**				
Percent Moisture		19	0.10	%	Moisture
Percent Solids		81	0.10	%	Moisture
500-26466-4	**HD-11 (2-2.5)**				
Percent Moisture		24	0.10	%	Moisture
Percent Solids		76	0.10	%	Moisture

METHOD SUMMARY

Client: Brown and Caldwell Job Number: 500-26466-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Semivolatile Organic Compounds (GC/MS SIM)	TAL CHI	SW846 8270C	
Automated Soxhlet Extraction	TAL CHI		SW846 3541
Percent Moisture	TAL CHI	EPA Moisture	
Matrix: Water			
Semivolatile Organic Compounds (GC/MS SIM)	TAL CHI	SW846 8270C	
Liquid-Liquid Extraction (Separatory Funnel)	TAL CHI		SW846 3510C

Lab References:

TAL CHI = TestAmerica Chicago

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: Brown and Caldwell

Job Number: 500-26466-1

Method	Analyst	Analyst ID
SW846 8270C	Bergen, Joe	JB
EPA Moisture	Jawor, Lisa	LJ

Client: Brown and Caldwell | Job Number: 500-26466-1

Client Sample ID: **HD-12 (0-0.5)**

Lab Sample ID: 500-26466-1 | Date Sampled: 07/02/2010 1055
Client Matrix: Solid | % Moisture: 32.4 | Date Received: 07/03/2010 0910

8270C Semivolatile Organic Compounds (GC/MS SIM)

Method:	8270C	Analysis Batch: 500-89756		Instrument ID:	CMS01
Preparation:	3541	Prep Batch: 500-89377		Lab File ID:	26466-1.D
Dilution:	1.0			Initial Weight/Volume:	15.8626 g
Date Analyzed:	07/16/2010 2044			Final Weight/Volume:	0.5 mL
Date Prepared:	07/12/2010 0748			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Monochloronaphthalene, Total		120	U	21	120
Dichloronaphthalene, Total		120	U	16	120
Trichloronaphthalene, Total		120	U	12	120
Tetrachloronaphthalene, Total		120	U	14	120
Pentachloronaphthalene, Total		120	U	32	120
Hexachloronaphthalene, Total		170		62	120
Heptachloronaphthalene, Total		120	U	19	120
Octachloronaphthalene, Total		120	U	44	120

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	36		28 - 110
2-Fluorobiphenyl	45		21 - 123
Terphenyl-d14	82		36 - 119

Client: Brown and Caldwell | Job Number: 500-26466-1

Client Sample ID: **HD-12 (2-2.5)**

Lab Sample ID: 500-26466-2 | Date Sampled: 07/02/2010 1100
Client Matrix: Solid | % Moisture: 15.8 | Date Received: 07/03/2010 0910

8270C Semivolatile Organic Compounds (GC/MS SIM)

Method:	8270C	Analysis Batch: 500-89756	Instrument ID: CMS01
Preparation:	3541	Prep Batch: 500-89377	Lab File ID: 26466-2.D
Dilution:	1.0		Initial Weight/Volume: 15.7371 g
Date Analyzed:	07/16/2010 1944		Final Weight/Volume: 0.5 mL
Date Prepared:	07/12/2010 0748		Injection Volume: 1 uL

Analyte (DryWt Corrected: Y)	Result (ug/Kg)	Qualifier	MDL	RL
Monochloronaphthalene, Total	94	U	17	94
Dichloronaphthalene, Total	94	U	13	94
Trichloronaphthalene, Total	94	U	9.9	94
Tetrachloronaphthalene, Total	94	U	11	94
Pentachloronaphthalene, Total	94	U	26	94
Hexachloronaphthalene, Total	94	U	50	94
Heptachloronaphthalene, Total	94	U	16	94
Octachloronaphthalene, Total	94	U	36	94

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	60		28 - 110
2-Fluorobiphenyl	71		21 - 123
Terphenyl-d14	204	X	36 - 119

Client: Brown and Caldwell | Job Number: 500-26466-1

Client Sample ID: **HD-12 (2-2.5)**

Lab Sample ID: 500-26466-2 | Date Sampled: 07/02/2010 1100
Client Matrix: Solid | % Moisture: 15.8 | Date Received: 07/03/2010 0910

8270C Semivolatile Organic Compounds (GC/MS SIM)

Method:	8270C	Analysis Batch: 500-89883		Instrument ID:	CMS01
Preparation:	3541	Prep Batch: 500-89377		Lab File ID:	26466-2.D
Dilution:	1.0			Initial Weight/Volume:	15.7371 g
Date Analyzed:	07/20/2010 1028	Run Type: RA		Final Weight/Volume:	0.5 mL
Date Prepared:	07/12/2010 0748			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Monochloronaphthalene, Total		94	U	17	94
Dichloronaphthalene, Total		94	U	13	94
Trichloronaphthalene, Total		94	U	9.9	94
Tetrachloronaphthalene, Total		94	U	11	94
Pentachloronaphthalene, Total		94	U	26	94
Hexachloronaphthalene, Total		94	U	50	94
Heptachloronaphthalene, Total		94	U	16	94
Octachloronaphthalene, Total		94	U	36	94

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	54		28 - 110
2-Fluorobiphenyl	68		21 - 123
Terphenyl-d14	106		36 - 119

Client: Brown and Caldwell | Job Number: 500-26466-1

Client Sample ID: **HD-11 (0-0.5)**

Lab Sample ID: 500-26466-3 | Date Sampled: 07/02/2010 1130
Client Matrix: Solid | % Moisture: 19.4 | Date Received: 07/03/2010 0910

8270C Semivolatile Organic Compounds (GC/MS SIM)

Method:	8270C	Analysis Batch: 500-89756		Instrument ID:	CMS01
Preparation:	3541	Prep Batch: 500-89377		Lab File ID:	26466-3.D
Dilution:	1.0			Initial Weight/Volume:	15.5387 g
Date Analyzed:	07/16/2010 2004			Final Weight/Volume:	0.5 mL
Date Prepared:	07/12/2010 0748			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Monochloronaphthalene, Total		99	U	18	99
Dichloronaphthalene, Total		99	U	13	99
Trichloronaphthalene, Total		99	U	10	99
Tetrachloronaphthalene, Total		99	U	12	99
Pentachloronaphthalene, Total		99	U	28	99
Hexachloronaphthalene, Total		99	U	53	99
Heptachloronaphthalene, Total		99	U	16	99
Octachloronaphthalene, Total		99	U	38	99

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	51		28 - 110
2-Fluorobiphenyl	78		21 - 123
Terphenyl-d14	48		36 - 119

Client: Brown and Caldwell

Job Number: 500-26466-1

Client Sample ID: **HD-11 (2-2.5)**

Lab Sample ID: 500-26466-4
Client Matrix: Solid
% Moisture: 23.9

Date Sampled: 07/02/2010 1135
Date Received: 07/03/2010 0910

8270C Semivolatile Organic Compounds (GC/MS SIM)

Method:	8270C	Analysis Batch: 500-89756	Instrument ID: CMS01
Preparation:	3541	Prep Batch: 500-89377	Lab File ID: 26466-4.D
Dilution:	1.0		Initial Weight/Volume: 15.3731 g
Date Analyzed:	07/16/2010 2024		Final Weight/Volume: 0.5 mL
Date Prepared:	07/12/2010 0748		Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Monochloronaphthalene, Total		110	U	19	110
Dichloronaphthalene, Total		110	U	14	110
Trichloronaphthalene, Total		110	U	11	110
Tetrachloronaphthalene, Total		110	U	13	110
Pentachloronaphthalene, Total		110	U	30	110
Hexachloronaphthalene, Total		110	U	56	110
Heptachloronaphthalene, Total		110	U	18	110
Octachloronaphthalene, Total		110	U	41	110

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	28		28 - 110
2-Fluorobiphenyl	51		21 - 123
Terphenyl-d14	34	X	36 - 119

Client: Brown and Caldwell

Job Number: 500-26466-1

Client Sample ID: **FB070210**

Lab Sample ID: 500-26466-5FB
Client Matrix: Water

Date Sampled: 07/02/2010 1205
Date Received: 07/03/2010 0910

8270C Semivolatile Organic Compounds (GC/MS SIM)

Method:	8270C	Analysis Batch: 500-89756	Instrument ID: CMS01
Preparation:	3510C	Prep Batch: 500-89207	Lab File ID: 26466-5.D
Dilution:	1.0		Initial Weight/Volume: 1070 mL
Date Analyzed:	07/16/2010 1823		Final Weight/Volume: 1.0 mL
Date Prepared:	07/08/2010 0915		Injection Volume: 1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Monochloronaphthalene, Total	2.3	U *	0.32	2.3
Dichloronaphthalene, Total	2.3	U *	0.39	2.3
Trichloronaphthalene, Total	2.3	U	0.63	2.3
Tetrachloronaphthalene, Total	2.3	U	0.41	2.3
Pentachloronaphthalene, Total	2.3	U	0.62	2.3
Hexachloronaphthalene, Total	2.3	U	0.51	2.3
Heptachloronaphthalene, Total	2.3	U	0.51	2.3
Octachloronaphthalene, Total	2.3	U *	0.56	2.3

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	80		51 - 110
2-Fluorobiphenyl	78		45 - 110
Terphenyl-d14	99		52 - 122

General Chemistry

Client Sample ID: **HD-12 (0-0.5)**

Lab Sample ID: 500-26466-1 Date Sampled: 07/02/2010 1055
Client Matrix: Solid Date Received: 07/03/2010 0910

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Moisture	32		%	0.10	0.10	1.0	Moisture
Analysis Batch: 500-89095	Date Analyzed: 07/06/2010 1325						DryWt Corrected: N
Percent Solids	68		%	0.10	0.10	1.0	Moisture
Analysis Batch: 500-89095	Date Analyzed: 07/06/2010 1325						DryWt Corrected: N

General Chemistry

Client Sample ID: **HD-12 (2-2.5)**

Lab Sample ID: 500-26466-2 Date Sampled: 07/02/2010 1100
Client Matrix: Solid Date Received: 07/03/2010 0910

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Moisture	16		%	0.10	0.10	1.0	Moisture
Analysis Batch: 500-89095	Date Analyzed: 07/06/2010 1325						DryWt Corrected: N
Percent Solids	84		%	0.10	0.10	1.0	Moisture
Analysis Batch: 500-89095	Date Analyzed: 07/06/2010 1325						DryWt Corrected: N

General Chemistry

Client Sample ID: **HD-11 (0-0.5)**

Lab Sample ID: 500-26466-3 Date Sampled: 07/02/2010 1130
Client Matrix: Solid Date Received: 07/03/2010 0910

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Moisture	19		%	0.10	0.10	1.0	Moisture
Analysis Batch: 500-89095	Date Analyzed: 07/06/2010 1325						DryWt Corrected: N
Percent Solids	81		%	0.10	0.10	1.0	Moisture
Analysis Batch: 500-89095	Date Analyzed: 07/06/2010 1325						DryWt Corrected: N

General Chemistry

Client Sample ID: **HD-11 (2-2.5)**

Lab Sample ID: 500-26466-4 Date Sampled: 07/02/2010 1135
Client Matrix: Solid Date Received: 07/03/2010 0910

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Moisture	24		%	0.10	0.10	1.0	Moisture
Analysis Batch: 500-89095	Date Analyzed: 07/06/2010 1325						DryWt Corrected: N
Percent Solids	76		%	0.10	0.10	1.0	Moisture
Analysis Batch: 500-89095	Date Analyzed: 07/06/2010 1325						DryWt Corrected: N

Client: Brown and Caldwell

Job Number: 500-26466-1

Surrogate Recovery Report

8270C Semivolatile Organic Compounds (GC/MS SIM)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	NBZ %Rec	FBP %Rec	TPH %Rec
500-26466-1	HD-12 (0-0.5)	36	45	82
500-26466-2	HD-12 (2-2.5)	60	71	204X
500-26466-2 RA	HD-12 (2-2.5) RA	54	68	106
500-26466-3	HD-11 (0-0.5)	51	78	48
500-26466-4	HD-11 (2-2.5)	28	51	34X
MB 500-89377/1-A		85	76	98
LCS 500-89377/2-A		81	84	96
500-26466-1 MS	HD-12 (0-0.5) MS	50	57	81
500-26466-1 MSD	HD-12 (0-0.5) MSD	38	49	66

Surrogate	Acceptance Limits
NBZ = Nitrobenzene-d5	28-110
FBP = 2-Fluorobiphenyl	21-123
TPH = Terphenyl-d14	36-119

Client: Brown and Caldwell

Job Number: 500-26466-1

Surrogate Recovery Report

8270C Semivolatile Organic Compounds (GC/MS SIM)

Client Matrix: Water

Lab Sample ID	Client Sample ID	NBZ %Rec	FBP %Rec	TPH %Rec
500-26466-5	FB070210	80	78	99
MB 500-89207/1-A		68	66	80
MB 500-89207/1-A RA		72	64	70
LCS 500-89207/2-A		70	64	100
LCSD 500-89207/3-A		77	75	98

Surrogate	Acceptance Limits
NBZ = Nitrobenzene-d5	51-110
FBP = 2-Fluorobiphenyl	45-110
TPH = Terphenyl-d14	52-122

Client: Brown and Caldwell

Job Number: 500-26466-1

Method Blank - Batch: 500-89207

Method: 8270C
Preparation: 3510C

Lab Sample ID: MB 500-89207/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/16/2010 1803
Date Prepared: 07/08/2010 0915

Analysis Batch: 500-89756
Prep Batch: 500-89207
Units: ug/L

Instrument ID: CMS01
Lab File ID: 89207M.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1.0 mL
Injection Volume: 1 uL

Analyte	Result	Qual	MDL	RL
Monochloronaphthalene, Total	2.5	U	0.34	2.5
Dichloronaphthalene, Total	2.5	U	0.42	2.5
Trichloronaphthalene, Total	2.5	U	0.67	2.5
Tetrachloronaphthalene, Total	2.5	U	0.44	2.5
Pentachloronaphthalene, Total	2.5	U	0.66	2.5
Hexachloronaphthalene, Total	2.5	U	0.55	2.5
Heptachloronaphthalene, Total	2.5	U	0.55	2.5
Octachloronaphthalene, Total	2.5	U	0.60	2.5

Surrogate	% Rec	Acceptance Limits
Nitrobenzene-d5	68	51 - 110
2-Fluorobiphenyl	66	45 - 110
Terphenyl-d14	80	52 - 122

Method Blank - Batch: 500-89207

Method: 8270C
Preparation: 3510C

Lab Sample ID: MB 500-89207/1-ARA
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/20/2010 1008
Date Prepared: 07/08/2010 0915

Analysis Batch: 500-89883
Prep Batch: 500-89207
Units: ug/L
Run Type: RA

Instrument ID: CMS01
Lab File ID: 89207M.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1.0 mL
Injection Volume: 1 uL

Analyte	Result	Qual	MDL	RL
Monochloronaphthalene, Total	2.5	U	0.34	2.5
Dichloronaphthalene, Total	2.5	U	0.42	2.5
Trichloronaphthalene, Total	2.5	U	0.67	2.5
Tetrachloronaphthalene, Total	2.5	U	0.44	2.5
Pentachloronaphthalene, Total	2.5	U	0.66	2.5
Hexachloronaphthalene, Total	2.5	U	0.55	2.5
Heptachloronaphthalene, Total	2.5	U	0.55	2.5
Octachloronaphthalene, Total	2.5	U	0.60	2.5

Surrogate	% Rec	Acceptance Limits
Nitrobenzene-d5	72	51 - 110
2-Fluorobiphenyl	64	45 - 110
Terphenyl-d14	70	52 - 122

Client: Brown and Caldwell

Job Number: 500-26466-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 500-89207

Method: 8270C
Preparation: 3510C

LCS Lab Sample ID: LCS 500-89207/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/16/2010 1843
Date Prepared: 07/08/2010 0915

Analysis Batch: 500-89756
Prep Batch: 500-89207
Units: ug/L

Instrument ID: CMS01
Lab File ID: 89207BS.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1.0 mL
Injection Volume: 1 uL

LCSD Lab Sample ID: LCSD 500-89207/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/16/2010 1903
Date Prepared: 07/08/2010 0915

Analysis Batch: 500-89756
Prep Batch: 500-89207
Units: ug/L

Instrument ID: CMS01
Lab File ID: 89207BD.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1.0 mL
Injection Volume: 1 uL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qua
Monochloronaphthalene, Total	54	74	40 - 130	32	20		*
Dichloronaphthalene, Total	60	79	40 - 130	28	20		*
Tetrachloronaphthalene, Total	80	97	40 - 130	19	20		
Octachloronaphthalene, Total	73	92	40 - 130	23	20		*

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Nitrobenzene-d5	70	77	51 - 110
2-Fluorobiphenyl	64	75	45 - 110
Terphenyl-d14	100	98	52 - 122

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 500-89207

Method: 8270C
Preparation: 3510C

LCS Lab Sample ID: LCS 500-89207/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/16/2010 1843
Date Prepared: 07/08/2010 0915

Units: ug/L

LCSD Lab Sample ID: LCSD 500-89207/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/16/2010 1903
Date Prepared: 07/08/2010 0915

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual	
Monochloronaphthalene, Total	10.0	10.0	5.38	7.42	*
Dichloronaphthalene, Total	10.0	10.0	5.99	7.91	*
Tetrachloronaphthalene, Total	10.0	10.0	7.98	9.66	
Octachloronaphthalene, Total	10.0	10.0	7.28	9.17	*

Client: Brown and Caldwell

Job Number: 500-26466-1

Method Blank - Batch: 500-89377

Method: 8270C
Preparation: 3541

Lab Sample ID: MB 500-89377/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 07/16/2010 1743
Date Prepared: 07/12/2010 0748

Analysis Batch: 500-89756
Prep Batch: 500-89377
Units: ug/Kg

Instrument ID: CMS01
Lab File ID: 89377M.D
Initial Weight/Volume: 15.0000 g
Final Weight/Volume: 0.5 mL
Injection Volume: 1 uL

Analyte	Result	Qual	MDL	RL
Monochloronaphthalene, Total	83	U	15	83
Dichloronaphthalene, Total	83	U	11	83
Trichloronaphthalene, Total	83	U	8.7	83
Tetrachloronaphthalene, Total	83	U	10	83
Pentachloronaphthalene, Total	83	U	23	83
Hexachloronaphthalene, Total	83	U	44	83
Heptachloronaphthalene, Total	83	U	14	83
Octachloronaphthalene, Total	83	U	32	83

Surrogate	% Rec	Acceptance Limits
Nitrobenzene-d5	85	28 - 110
2-Fluorobiphenyl	76	21 - 123
Terphenyl-d14	98	36 - 119

Lab Control Sample - Batch: 500-89377

Method: 8270C
Preparation: 3541

Lab Sample ID: LCS 500-89377/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 07/16/2010 1923
Date Prepared: 07/12/2010 0748

Analysis Batch: 500-89756
Prep Batch: 500-89377
Units: ug/Kg

Instrument ID: CMS01
Lab File ID: 89377BS.D
Initial Weight/Volume: 15.0000 g
Final Weight/Volume: 0.5 mL
Injection Volume: 1 uL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Monochloronaphthalene, Total	333	253	76	39 - 113	
Dichloronaphthalene, Total	333	269	81	33 - 114	
Tetrachloronaphthalene, Total	333	325	97	46 - 116	
Octachloronaphthalene, Total	333	226	68	42 - 122	

Surrogate	% Rec	Acceptance Limits
Nitrobenzene-d5	81	28 - 110
2-Fluorobiphenyl	84	21 - 123
Terphenyl-d14	96	36 - 119

Client: Brown and Caldwell

Job Number: 500-26466-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 500-89377

Method: 8270C
Preparation: 3541

MS Lab Sample ID:	500-26466-1	Analysis Batch: 500-89756	Instrument ID: CMS01
Client Matrix:	Solid	Prep Batch: 500-89377	Lab File ID: 26466-1S.D
Dilution:	1.0		Initial Weight/Volume: 15.4216 g
Date Analyzed:	07/16/2010 2104		Final Weight/Volume: 0.5 mL
Date Prepared:	07/12/2010 0748		Injection Volume: 1 uL

MSD Lab Sample ID:	500-26466-1	Analysis Batch: 500-89756	Instrument ID: CMS01
Client Matrix:	Solid	Prep Batch: 500-89377	Lab File ID: 26466-1T.D
Dilution:	1.0		Initial Weight/Volume: 15.2461 g
Date Analyzed:	07/16/2010 2124		Final Weight/Volume: 0.5 mL
Date Prepared:	07/12/2010 0748		Injection Volume: 1 uL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Monochloronaphthalene, Total	54	45	39 - 113	16	20		
Dichloronaphthalene, Total	56	52	33 - 114	7	20		
Tetrachloronaphthalene, Total	42	54	46 - 116	26	20	F	F
Octachloronaphthalene, Total	36	36	42 - 122	0	20	F	F

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Nitrobenzene-d5	50	38	28 - 110
2-Fluorobiphenyl	57	49	21 - 123
Terphenyl-d14	81	66	36 - 119

Matrix Spike/
Matrix Spike Duplicate Data Report - Batch: 500-89377

Method: 8270C
Preparation: 3541

MS Lab Sample ID:	500-26466-1	Units: ug/Kg	MSD Lab Sample ID: 500-26466-1
Client Matrix:	Solid		Client Matrix: Solid
Dilution:	1.0		Dilution: 1.0
Date Analyzed:	07/16/2010 2104		Date Analyzed: 07/16/2010 2124
Date Prepared:	07/12/2010 0748		Date Prepared: 07/12/2010 0748

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Monochloronaphthalene, Total	120	U	480	485	257		219	
Dichloronaphthalene, Total	120	U	480	485	268		250	
Tetrachloronaphthalene, Total	120	U	480	485	202	F	263	F
Octachloronaphthalene, Total	120	U	480	485	173	F	173	F

DATA REPORTING QUALIFIERS

Client: Brown and Caldwell Job Number: 500-26466-1

Lab Section	Qualifier	Description
GC/MS Semi VOA		
	U	Indicates the analyte was analyzed for but not detected.
	F	MS or MSD 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.
	*	RPD of the LCS and LCSD exceeds the control limits
	F	RPD of the MS and MSD exceeds the control limits
	X	Surrogate is outside control limits

Client: Brown and Caldwell

Job Number: 500-26466-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 500-89207					
LCS 500-89207/2-A	Lab Control Sample	T	Water	3510C	
LCSD 500-89207/3-A	Lab Control Sample Duplicate	T	Water	3510C	
MB 500-89207/1-A	Method Blank	T	Water	3510C	
MB 500-89207/1-ARA	Method Blank	T	Water	3510C	
500-26466-5FB	FB070210	T	Water	3510C	
Prep Batch: 500-89377					
LCS 500-89377/2-A	Lab Control Sample	T	Solid	3541	
MB 500-89377/1-A	Method Blank	T	Solid	3541	
500-26466-1	HD-12 (0-0.5)	T	Solid	3541	
500-26466-1MS	Matrix Spike	T	Solid	3541	
500-26466-1MSD	Matrix Spike Duplicate	T	Solid	3541	
500-26466-2	HD-12 (2-2.5)	T	Solid	3541	
500-26466-2RA	HD-12 (2-2.5)	T	Solid	3541	
500-26466-3	HD-11 (0-0.5)	T	Solid	3541	
500-26466-4	HD-11 (2-2.5)	T	Solid	3541	
Analysis Batch:500-89756					
LCS 500-89207/2-A	Lab Control Sample	T	Water	8270C	500-89207
LCSD 500-89207/3-A	Lab Control Sample Duplicate	T	Water	8270C	500-89207
MB 500-89207/1-A	Method Blank	T	Water	8270C	500-89207
LCS 500-89377/2-A	Lab Control Sample	T	Solid	8270C	500-89377
MB 500-89377/1-A	Method Blank	T	Solid	8270C	500-89377
500-26466-1	HD-12 (0-0.5)	T	Solid	8270C	500-89377
500-26466-1MS	Matrix Spike	T	Solid	8270C	500-89377
500-26466-1MSD	Matrix Spike Duplicate	T	Solid	8270C	500-89377
500-26466-2	HD-12 (2-2.5)	T	Solid	8270C	500-89377
500-26466-3	HD-11 (0-0.5)	T	Solid	8270C	500-89377
500-26466-4	HD-11 (2-2.5)	T	Solid	8270C	500-89377
500-26466-5FB	FB070210	T	Water	8270C	500-89207
Analysis Batch:500-89883					
MB 500-89207/1-ARA	Method Blank	T	Water	8270C	500-89207
500-26466-2RA	HD-12 (2-2.5)	T	Solid	8270C	500-89377

Report Basis
T = Total

Client: Brown and Caldwell Job Number: 500-26466-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:500-89095					
500-26466-1	HD-12 (0-0.5)	T	Solid	Moisture	
500-26466-2	HD-12 (2-2.5)	T	Solid	Moisture	
500-26466-3	HD-11 (0-0.5)	T	Solid	Moisture	
500-26466-4	HD-11 (2-2.5)	T	Solid	Moisture	

Report Basis
T = Total

Client: Brown and Caldwell Job Number: 500-26466-1

Laboratory Chronicle

Lab ID: 500-26466-1 **Client ID: HD-12 (0-0.5)**

Sample Date/Time: 07/02/2010 10:55 Received Date/Time: 07/03/2010 09:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3541	500-26466-A-1-A		500-89756	500-89377	07/12/2010 07:48	1	TAL CHI	STW
A:8270C	500-26466-A-1-A		500-89756	500-89377	07/16/2010 20:44	1	TAL CHI	JB
A:Moisture	500-26466-A-1		500-89095		07/06/2010 13:25	1	TAL CHI	LJ

Lab ID: 500-26466-1 MS **Client ID: HD-12 (0-0.5)**

Sample Date/Time: 07/02/2010 10:55 Received Date/Time: 07/03/2010 09:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3541	500-26466-A-1-B MS		500-89756	500-89377	07/12/2010 07:48	1	TAL CHI	STW
A:8270C	500-26466-A-1-B MS		500-89756	500-89377	07/16/2010 21:04	1	TAL CHI	JB

Lab ID: 500-26466-1 MSD **Client ID: HD-12 (0-0.5)**

Sample Date/Time: 07/02/2010 10:55 Received Date/Time: 07/03/2010 09:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3541	500-26466-A-1-C MSD		500-89756	500-89377	07/12/2010 07:48	1	TAL CHI	STW
A:8270C	500-26466-A-1-C MSD		500-89756	500-89377	07/16/2010 21:24	1	TAL CHI	JB

Lab ID: 500-26466-2 **Client ID: HD-12 (2-2.5)**

Sample Date/Time: 07/02/2010 11:00 Received Date/Time: 07/03/2010 09:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3541	500-26466-A-2-A		500-89756	500-89377	07/12/2010 07:48	1	TAL CHI	STW
A:8270C	500-26466-A-2-A		500-89756	500-89377	07/16/2010 19:44	1	TAL CHI	JB
P:3541	500-26466-A-2-A	RA	500-89883	500-89377	07/12/2010 07:48	1	TAL CHI	STW
A:8270C	500-26466-A-2-A	RA	500-89883	500-89377	07/20/2010 10:28	1	TAL CHI	JB
A:Moisture	500-26466-A-2		500-89095		07/06/2010 13:25	1	TAL CHI	LJ

Lab ID: 500-26466-3 **Client ID: HD-11 (0-0.5)**

Sample Date/Time: 07/02/2010 11:30 Received Date/Time: 07/03/2010 09:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3541	500-26466-A-3-A		500-89756	500-89377	07/12/2010 07:48	1	TAL CHI	STW
A:8270C	500-26466-A-3-A		500-89756	500-89377	07/16/2010 20:04	1	TAL CHI	JB
A:Moisture	500-26466-A-3		500-89095		07/06/2010 13:25	1	TAL CHI	LJ

Client: Brown and Caldwell Job Number: 500-26466-1

Laboratory Chronicle

Lab ID: 500-26466-4 **Client ID: HD-11 (2-2.5)**

Sample Date/Time: 07/02/2010 11:35 Received Date/Time: 07/03/2010 09:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3541	500-26466-A-4-A		500-89756	500-89377	07/12/2010 07:48	1	TAL CHI	STW
A:8270C	500-26466-A-4-A		500-89756	500-89377	07/16/2010 20:24	1	TAL CHI	JB
A:Moisture	500-26466-A-4		500-89095		07/06/2010 13:25	1	TAL CHI	LJ

Lab ID: 500-26466-5 **Client ID: FB070210**

Sample Date/Time: 07/02/2010 12:05 Received Date/Time: 07/03/2010 09:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3510C	500-26466-B-5-A		500-89756	500-89207	07/08/2010 09:15	1	TAL CHI	JD
A:8270C	500-26466-B-5-A		500-89756	500-89207	07/16/2010 18:23	1	TAL CHI	JB

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:3541	MB 500-89377/1-A		500-89756	500-89377	07/12/2010 07:48	1	TAL CHI	STW
A:8270C	MB 500-89377/1-A		500-89756	500-89377	07/16/2010 17:43	1	TAL CHI	JB
P:3510C	MB 500-89207/1-A		500-89756	500-89207	07/08/2010 09:15	1	TAL CHI	JD
A:8270C	MB 500-89207/1-A		500-89756	500-89207	07/16/2010 18:03	1	TAL CHI	JB
P:3510C	MB 500-89207/1-A	RA	500-89883	500-89207	07/08/2010 09:15	1	TAL CHI	JD
A:8270C	MB 500-89207/1-A	RA	500-89883	500-89207	07/20/2010 10:08	1	TAL CHI	JB

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:3510C	LCS 500-89207/2-A		500-89756	500-89207	07/08/2010 09:15	1	TAL CHI	JD
A:8270C	LCS 500-89207/2-A		500-89756	500-89207	07/16/2010 18:43	1	TAL CHI	JB
P:3541	LCS 500-89377/2-A		500-89756	500-89377	07/12/2010 07:48	1	TAL CHI	STW
A:8270C	LCS 500-89377/2-A		500-89756	500-89377	07/16/2010 19:23	1	TAL CHI	JB

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
P:3510C	LCSD 500-89207/3-A		500-89756	500-89207	07/08/2010 09:15	1	TAL CHI	JD
A:8270C	LCSD 500-89207/3-A		500-89756	500-89207	07/16/2010 19:03	1	TAL CHI	JB

Lab References:
TAL CHI = TestAmerica Chicago

Method 8270C SIM

Semivolatile Organic Compounds (GC/MS SIM) by Method 8270C (SIM)

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Chicago Job No.: 500-26466-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): ZB5MS ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	NBZ	#	FBP	#	TPH	#
HD-12 (0-0.5)	500-26466-1	36		45		82	
HD-12 (2-2.5)	500-26466-2	60		71		204	X
HD-12 (2-2.5) RA	500-26466-2 RA	54		68		106	
HD-11 (0-0.5)	500-26466-3	51		78		48	
HD-11 (2-2.5)	500-26466-4	28		51		34	X
	MB 500-89377/1-A	85		76		98	
	LCS 500-89377/2-A	81		84		96	
HD-12 (0-0.5) MS	500-26466-1 MS	50		57		81	
HD-12 (0-0.5) MSD	500-26466-1 MSD	38		49		66	

	QC LIMITS
NBZ = Nitrobenzene-d5	28-110
FBP = 2-Fluorobiphenyl	21-123
TPH = Terphenyl-d14	36-119

Column to be used to flag recovery values

FORM II 8270C

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Chicago Job No.: 500-26466-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): ZB5MS ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	NBZ #	FBP #	TPH #
FB070210	500-26466-5	80	78	99
	MB 500-89207/1-A	68	66	80
	MB 500-89207/1-A RA	72	64	70
	LCS 500-89207/2-A	70	64	100
	LCSD 500-89207/3-A	77	75	98

	QC LIMITS
NBZ = Nitrobenzene-d5	51-110
FBP = 2-Fluorobiphenyl	45-110
TPH = Terphenyl-d14	52-122

Column to be used to flag recovery values

FORM II 8270C

FORM III

GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Chicago Job No.: 500-26466-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 89207BS.D

Lab ID: LCS 500-89207/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Monochloronaphthalene, Total	10.0	5.38	54	40-130	
Dichloronaphthalene, Total	10.0	5.99	60	40-130	
Tetrachloronaphthalene, Total	10.0	7.98	80	40-130	
Octachloronaphthalene, Total	10.0	7.28	73	40-130	

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 Chicago Job No.: 500-26466-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 89377BS.D

Lab ID: LCS 500-89377/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Monochloronaphthalene, Total	333	253	76	39-113	
Dichloronaphthalene, Total	333	269	81	33-114	
Tetrachloronaphthalene, Total	333	325	97	46-116	
Octachloronaphthalene, Total	333	226	68	42-122	

Column to be used to flag recovery and RPD values

FORM III 8270C

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Chicago Job No.: 500-26466-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 89207BD.D

Lab ID: LCSD 500-89207/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Monochloronaphthalene, Total	10.0	7.42	74	32	20	40-130	*
Dichloronaphthalene, Total	10.0	7.91	79	28	20	40-130	*
Tetrachloronaphthalene, Total	10.0	9.66	97	19	20	40-130	
Octachloronaphthalene, Total	10.0	9.17	92	23	20	40-130	*

Column to be used to flag recovery and RPD values

FORM III 8270C

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Chicago Job No.: 500-26466-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 26466-1S.D

Lab ID: 500-26466-1 MS Client ID: HD-12 (0-0.5) MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Monochloronaphthalene, Total	480	120 U	257	54	39-113	
Dichloronaphthalene, Total	480	120 U	268	56	33-114	
Tetrachloronaphthalene, Total	480	120 U	202	42	46-116	F
Octachloronaphthalene, Total	480	120 U	173	36	42-122	F

Column to be used to flag recovery and RPD values

FORM III 8270C

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Chicago Job No.: 500-26466-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 26466-1T.D

Lab ID: 500-26466-1 MSD Client ID: HD-12 (0-0.5) MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Monochloronaphthalene, Total	485	219	45	16	20	39-113	
Dichloronaphthalene, Total	485	250	52	7	20	33-114	
Tetrachloronaphthalene, Total	485	263	54	26	20	46-116	F
Octachloronaphthalene, Total	485	173	36	0	20	42-122	F

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 Chicago Job No.: 500-26466-1

SDG No.:

Lab File ID: 89207M.D Lab Sample ID: MB 500-89207/1-A

Matrix: Water Date Extracted: 07/08/2010 09:15

Instrument ID: CMS01 Date Analyzed: 07/20/2010 10:08

Level: (Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
FB070210	500-26466-5	26466-5.D	07/16/2010 18:23
	LCS 500-89207/2-A	89207BS.D	07/16/2010 18:43
	LCSD 500-89207/3-A	89207BD.D	07/16/2010 19:03

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Chicago Job No.: 500-26466-1

SDG No.:

Lab File ID: 89377M.D Lab Sample ID: MB 500-89377/1-A

Matrix: Solid Date Extracted: 07/12/2010 07:48

Instrument ID: CMS01 Date Analyzed: 07/16/2010 17:43

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 500-89377/2-A	89377BS.D	07/16/2010 19:23
HD-12 (2-2.5)	500-26466-2	26466-2.D	07/16/2010 19:44
HD-11 (0-0.5)	500-26466-3	26466-3.D	07/16/2010 20:04
HD-11 (2-2.5)	500-26466-4	26466-4.D	07/16/2010 20:24
HD-12 (0-0.5)	500-26466-1	26466-1.D	07/16/2010 20:44
HD-12 (0-0.5) MS	500-26466-1 MS	26466-1S.D	07/16/2010 21:04
HD-12 (0-0.5) MSD	500-26466-1 MSD	26466-1T.D	07/16/2010 21:24
HD-12 (2-2.5) RA	500-26466-2 RA	26466-2.D	07/20/2010 10:28

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Chicago Job No.: 500-26466-1

SDG No.:

Lab File ID: 1D0716.D DFTPP Injection Date: 07/16/2010

Instrument ID: CMS01 DFTPP Injection Time: 13:20

Analysis Batch No.: 89756

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	37.9	
68	Less than 2.0 % of mass 69	0.4	(1.0)1
69	Mass 69 relative abundance	41.8	
70	Less than 2.0 % of mass 69	0.2	(0.4)1
127	40.0 - 60.0 % of mass 198	52.2	
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	6.9	
275	10.0 - 30.0 % of mass 198	20.1	
365	Greater than 1.0 % of mass 198	1.8	
441	Present but less than mass 443	6.8	
442	Greater than 40.0 % of mass 198	45.5	
443	17.0 - 23.0 % of mass 442	9.8	(21.5)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD05J 500-89756/2	STD05J.D	07/16/2010	14:01
	STD1I 500-89756/3	STD1I.D	07/16/2010	14:21
	STD2H 500-89756/4	STD2H.D	07/16/2010	14:42
	STD4G 500-89756/5	STD4G.D	07/16/2010	15:02
	STD5F 500-89756/6	STD5F.D	07/16/2010	15:22
	STD10E 500-89756/7	STD10E.D	07/16/2010	15:42
	STD15D 500-89756/8	STD15D.D	07/16/2010	16:02
	STD20C 500-89756/9	STD20C.D	07/16/2010	16:22
	STD15B 500-89756/10	STD15B.D	07/16/2010	16:42
	STD20A 500-89756/11	STD20A.D	07/16/2010	17:03
	MB 500-89377/1-A	89377M.D	07/16/2010	17:43
	MB 500-89207/1-A	89207M.D	07/16/2010	18:03
FB070210	500-26466-5	26466-5.D	07/16/2010	18:23
	LCS 500-89207/2-A	89207BS.D	07/16/2010	18:43
	LCSD 500-89207/3-A	89207BD.D	07/16/2010	19:03
	LCS 500-89377/2-A	89377BS.D	07/16/2010	19:23
HD-12 (2-2.5)	500-26466-2	26466-2.D	07/16/2010	19:44
HD-11 (0-0.5)	500-26466-3	26466-3.D	07/16/2010	20:04
HD-11 (2-2.5)	500-26466-4	26466-4.D	07/16/2010	20:24
HD-12 (0-0.5)	500-26466-1	26466-1.D	07/16/2010	20:44
HD-12 (0-0.5) MS	500-26466-1 MS	26466-1S.D	07/16/2010	21:04
HD-12 (0-0.5) MSD	500-26466-1 MSD	26466-1T.D	07/16/2010	21:24

FORM V

GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Chicago Job No.: 500-26466-1

SDG No.:

Lab File ID: 1D0720.D DFTPP Injection Date: 07/20/2010

Instrument ID: CMS01 DFTPP Injection Time: 08:33

Analysis Batch No.: 89883

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	0.2	(0.7)1
69	Mass 69 relative abundance	35.8	
70	Less than 2.0 % of mass 69	0.1	(0.4)1
127	40.0 - 60.0 % of mass 198	47.8	
197	Less than 1.0 % of mass 198	0.3	
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	23.8	
365	Greater than 1.0 % of mass 198	2.4	
441	Present but less than mass 443	10.5	
442	Greater than 40.0 % of mass 198	73.4	
443	17.0 - 23.0 % of mass 442	14.8	(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
	CCV 500-89883/2	1CCV0720.D	07/20/2010	09:25
	MB 500-89207/1-A RA	89207M.D	07/20/2010	10:08
HD-12 (2-2.5) RA	500-26466-2 RA	26466-2.D	07/20/2010	10:28

FORM VIII

GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Chicago Job No.: 500-26466-1

SDG No.:

Sample No.: STD5F 500-89756/6 Date Analyzed: 07/16/2010 15:22

Instrument ID: CMS01 GC Column: ZB5MS ID: 0.25(mm)

Lab File ID (Standard): STD5F.D Heated Purge: (Y/N) N

Calibration ID: 3189

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		262776	4.12	1143320	5.27	620305	6.98
UPPER LIMIT		525552	4.62	2286640	5.77	1240610	7.48
LOWER LIMIT		131388	3.62	571660	4.77	310153	6.48
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 500-89377/1-A		303719	4.04	1089702	5.25	619498	6.98
MB 500-89207/1-A		190893	4.04	662158	5.27	335869	6.98
500-26466-5	FB070210	249765	4.04	866418	5.27	461360	6.98
LCS 500-89207/2-A		268696	4.04	952414	5.27	545431	6.98
LCSD 500-89207/3-A		227303	4.04	812748	5.27	428502	6.98
LCS 500-89377/2-A		258956	4.04	907817	5.27	520265	6.98
500-26466-2	HD-12 (2-2.5)	298451	4.04	1010145	5.27	586512	6.98
500-26466-3	HD-11 (0-0.5)	304551	4.04	983988	5.27	460030	6.98
500-26466-4	HD-11 (2-2.5)	309605	4.04	1260897	5.27	568831	7.00
500-26466-1	HD-12 (0-0.5)	307491	4.06	1245149	5.27	662699	7.00
500-26466-1 MS	HD-12 (0-0.5) MS	329696	4.06	1139790	5.27	655534	7.00
500-26466-1 MSD	HD-12 (0-0.5) MSD	335372	4.06	1282326	5.28	666926	7.01
CCV 500-89883/2		315532	4.07	1168225	5.25	663018	6.97
MB 500-89207/1-A RA		425406	4.06	1486727	5.24	759243	6.97
500-26466-2 RA	HD-12 (2-2.5) RA	581442#	4.03	2198106	5.24	1118464	6.97

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 Chicago Job No.: 500-26466-1

SDG No.:

Sample No.: STD5F 500-89756/6 Date Analyzed: 07/16/2010 15:22

Instrument ID: CMS01 GC Column: ZB5MS ID: 0.25(mm)

Lab File ID (Standard): STD5F.D Heated Purge: (Y/N) N

Calibration ID: 3189

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		949742	8.30	1140251	10.31	760966	11.43
UPPER LIMIT		1899484	8.80	2280502	10.81	1521932	11.93
LOWER LIMIT		474871	7.80	570126	9.81	380483	10.93
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 500-89377/1-A		970934	8.30	1114967	10.31	980960	11.44
MB 500-89207/1-A		533467	8.30	520845*	10.31	433904	11.43
500-26466-5	FB070210	771947	8.30	799175	10.31	642301	11.42
LCS 500-89207/2-A		868416	8.30	787628	10.31	688938	11.44
LCSD 500-89207/3-A		672197	8.30	626024	10.31	482676	11.43
LCS 500-89377/2-A		817741	8.30	821184	10.31	658011	11.42
500-26466-2	HD-12 (2-2.5)	1109217	8.30	230099*	10.32	656859	11.45
500-26466-3	HD-11 (0-0.5)	977209	8.30	743406	10.32	565914	11.47
500-26466-4	HD-11 (2-2.5)	921839	8.30	1156132	10.32	864369	11.47
500-26466-1	HD-12 (0-0.5)	1372025	8.31	715258	10.34	628239	11.49
500-26466-1 MS	HD-12 (0-0.5) MS	1430068	8.31	690208	10.35	792836	11.56
500-26466-1 MSD	HD-12 (0-0.5) MSD	1087560	8.33	749925	10.37	634820	11.56
CCV 500-89983/2		1201012	8.28	843756	10.31	746594	11.43
MB 500-89207/1-A RA		1307212	8.28	1178457	10.29	991212	11.41
500-26466-2 RA	HD-12 (2-2.5) RA	2498655*	8.28	1117439	10.31	1049461	11.44

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 Chicago | Job No.: 500-26466-1

SDG No.:

Client Sample ID: HD-12 (0-0.5) | Lab Sample ID: 500-26466-1

Matrix: Solid | Lab File ID: 26466-1.D

Analysis Method: 8270C | Date Collected: 07/02/2010 10:55

Extract. Method: 3541 | Date Extracted: 07/12/2010 07:48

Sample wt/vol: 15.8626(g) | Date Analyzed: 07/16/2010 20:44

Con. Extract Vol.: 0.5(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 32.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 89756 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
90-13-1	Monochloronaphthalene, Total	120	U	120	21
28699-88-9	Dichloronaphthalene, Total	120	U	120	16
1321-65-9	Trichloronaphthalene, Total	120	U	120	12
1335-88-2	Tetrachloronaphthalene, Total	120	U	120	14
1321-64-8	Pentachloronaphthalene, Total	120	U	120	32
1335-87-1	Hexachloronaphthalene, Total	170		120	62
32241-08-0	Heptachloronaphthalene, Total	120	U	120	19
2234-13-1	Octachloronaphthalene, Total	120	U	120	44

CAS NO.	SURROGATE	%REC	LIMITS	Q
4165-60-0	Nitrobenzene-d5	36	28-110	
321-60-8	2-Fluorobiphenyl	45	21-123	
1718-51-0	Terphenyl-d14	82	36-119	

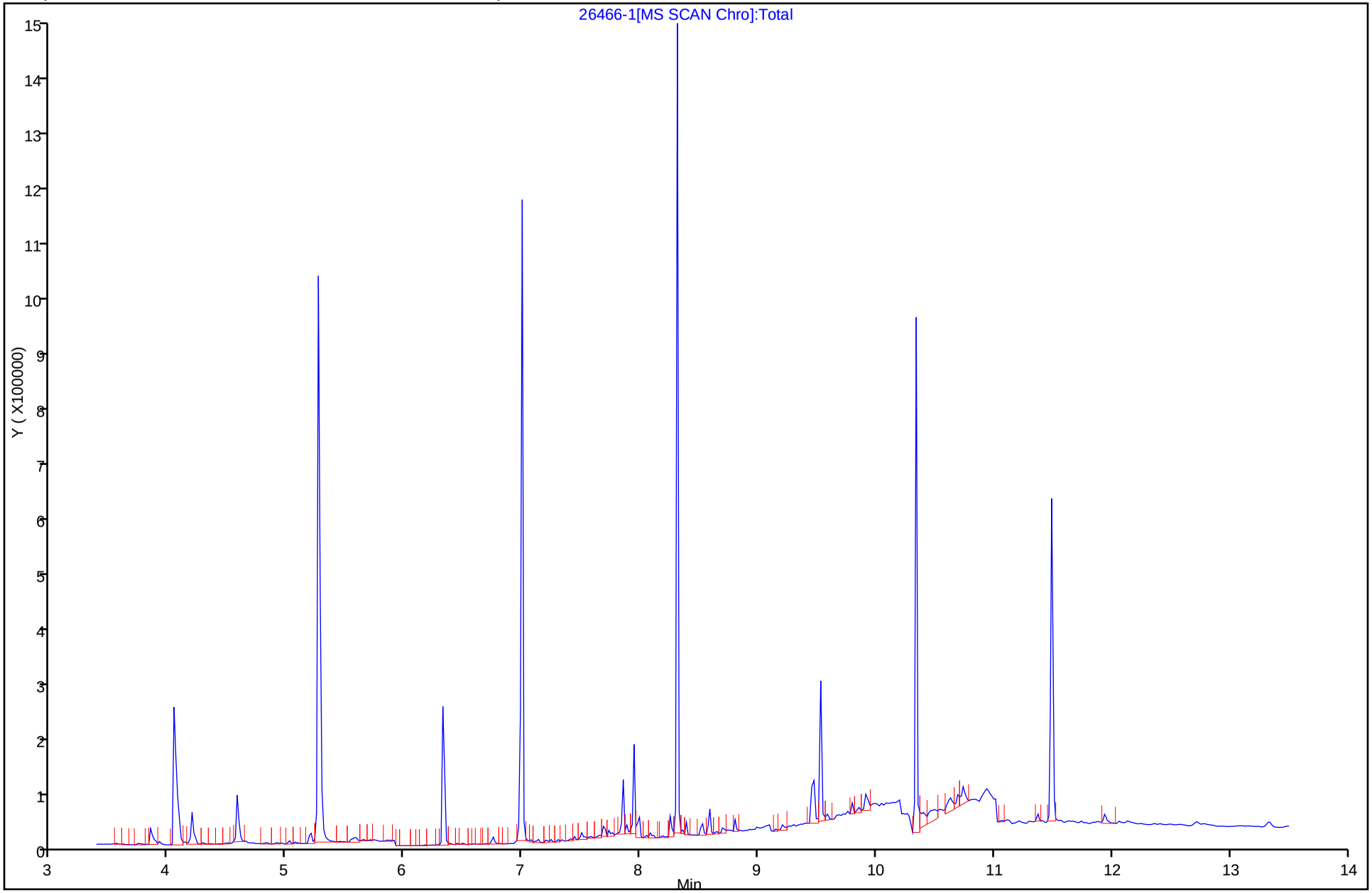
TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\chi-svr07\chromdata\CMS01\20100716-698.b\26466-1.D		
Lims ID:	500-26466-A-1-A	Client ID:	HD-12 (0-0.5)
Inject. Date:	16-Jul-2010 20:44:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	500-26466-A-1-A		
Misc. Info.:	500-0000698-021		
Operator:	JAB	Instrument ID:	CMS01
Vol. Injected:	1.0000	ALS Bottle#:	22
Lims Batch ID:	89756	Lims Sample ID:	21
Detector:	MS SCAN		
Method:	\\chi-svr07\chromdata\CMS01\20100716-698.b\1-HALO.m		
Last Update:	19-Jul-2010 11:16:57	Calib Date:	16-Jul-2010 17:03:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\chi-svr07\chromdata\CMS01\20100716-698.b\STD20A.D		
Limit Group:	MSBNA_SIM_H_ICAL		
Integrator:	RTE		
Process Host:	CHI-MS-SM1A		
Reviewed By:	rynkarg	Date:	19-Jul-2010 10:45:58

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ng/uL	Flags
* 2 1,4-Dichlorobenzene-d4	152	4.059	4.334	-0.275	307491	8.00	
$ 13 Nitrobenzene-d5	82	4.579	4.564	0.015	89618	1.79	
* 12 Naphthalene-d8	136	5.268	5.298	-0.030	1245149	8.00	
$ 6 2-Fluorobiphenyl	172	6.324	6.324	0.000	259062	2.27	
* 7 Acenaphthene-d10	164	6.997	6.966	0.031	662699	8.00	
* 17 Phenanthrene-d10	188	8.313	8.282	0.031	1372025	8.00	
$ 18 Terphenyl-d14	244	9.529	9.510	0.019	305871	4.11	
10 Hexachloronaphthalene	334	10.263	9.911	0.352	98461	3.61	
* 8 Chrysene-d12	240	10.339	10.308	0.031	715258	8.00	
* 1 Perylene-d12	264	11.488	11.453	0.035	628239	8.00	

Report Date: 19-Jul-2010 11:16:57 Chrom Revision: 1.2 25-May-2010 11:47:28

Data File:	\\chi-svr07\chromdata\CMS01\20100716-698.b\26466-1.D		
Inj Date:	16-Jul-2010 20:44:30	Limit Group:	MSBNA_SIM_H_ICAL
Lims Batch ID:	89756	Lims Sample ID:	21
Client ID:	HD-12 (0-0.5)	Instrument:	CMS01
Sample Info:	500-26466-A-1-A		
Sample Amount:	1.00 ul	Operator:	JAB



Report Date: 19-Jul-2010 11:16:57 Chrom Revision: 1.2 25-May-2010 11:47:28

Data File: \\chi-svr07\chromdata\CMS01\20100716-698.b\26466-1.D

Inj Date: 16-Jul-2010 20:44:30 Limit Group: MSBNA_SIM_H_ICAL

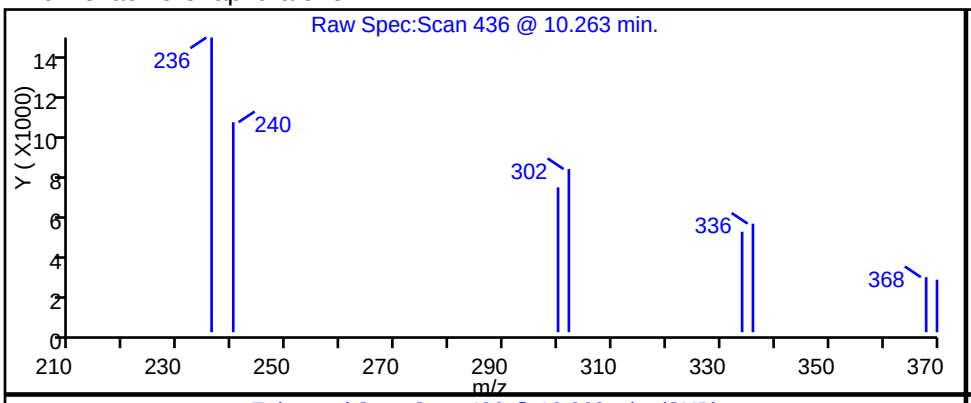
Lims Batch ID: 89756 Lims Sample ID: 21

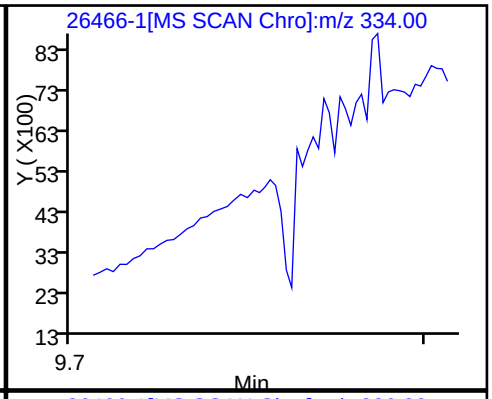
Client ID: HD-12 (0-0.5) Instrument: CMS01

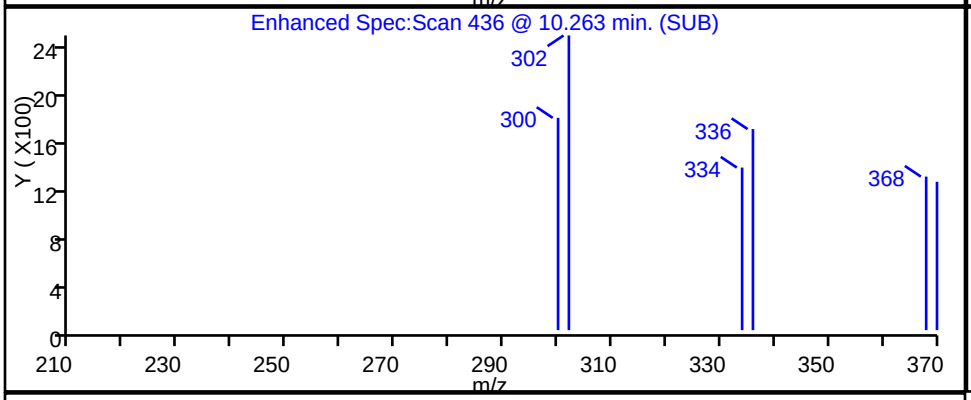
Sample Info: 500-26466-A-1-A

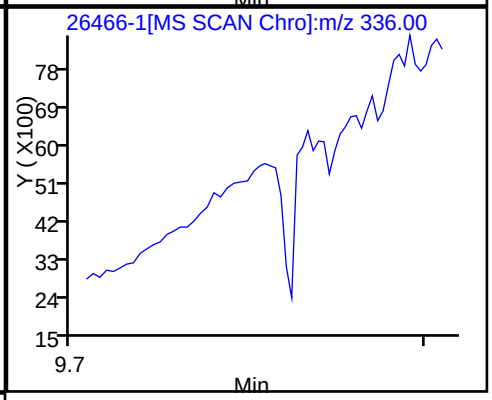
Sample Amount: 1.00 ul Operator: JAB

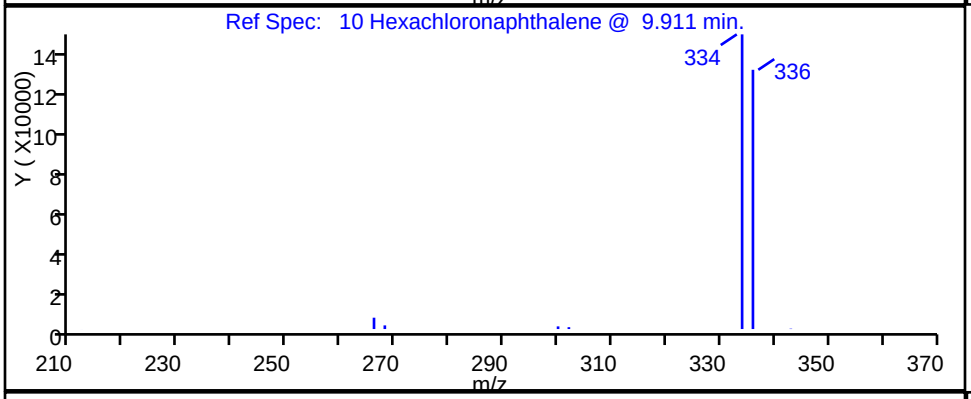
10 Hexachloronaphthalene

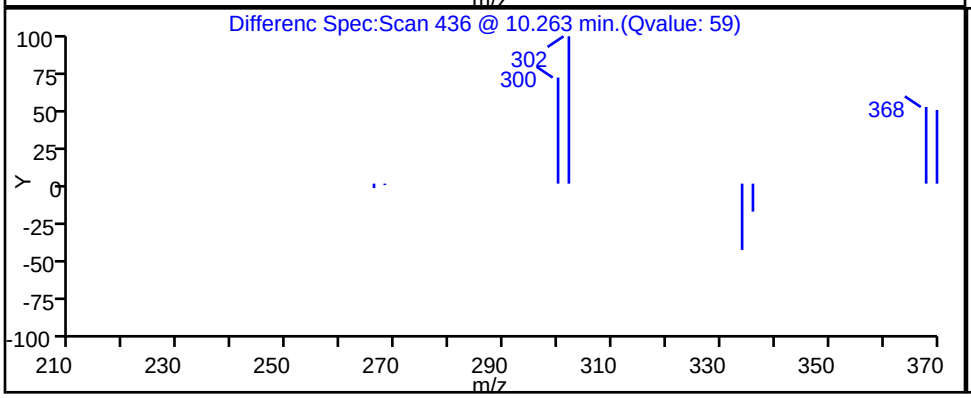


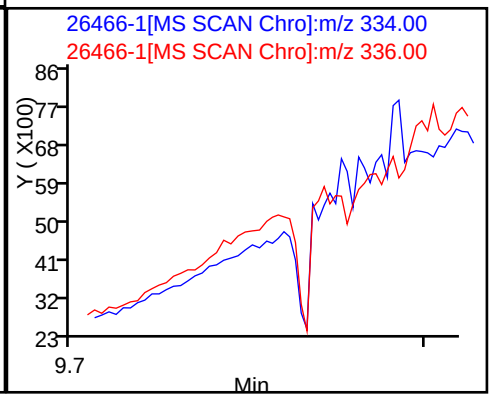












FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Chicago | Job No.: 500-26466-1

SDG No.:

Client Sample ID: HD-12 (2-2.5) | Lab Sample ID: 500-26466-2

Matrix: Solid | Lab File ID: 26466-2.D

Analysis Method: 8270C | Date Collected: 07/02/2010 11:00

Extract. Method: 3541 | Date Extracted: 07/12/2010 07:48

Sample wt/vol: 15.7371(g) | Date Analyzed: 07/16/2010 19:44

Con. Extract Vol.: 0.5(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 15.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 89756 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
90-13-1	Monochloronaphthalene, Total	94	U	94	17
28699-88-9	Dichloronaphthalene, Total	94	U	94	13
1321-65-9	Trichloronaphthalene, Total	94	U	94	9.9
1335-88-2	Tetrachloronaphthalene, Total	94	U	94	11
1321-64-8	Pentachloronaphthalene, Total	94	U	94	26
1335-87-1	Hexachloronaphthalene, Total	94	U	94	50
32241-08-0	Heptachloronaphthalene, Total	94	U	94	16
2234-13-1	Octachloronaphthalene, Total	94	U	94	36

CAS NO.	SURROGATE	%REC	LIMITS	Q
4165-60-0	Nitrobenzene-d5	60	28-110	
321-60-8	2-Fluorobiphenyl	71	21-123	
1718-51-0	Terphenyl-d14	204	36-119	X

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\chi-svr07\chromdata\CMS01\20100716-698.b\26466-2.D		
Lims ID:	500-26466-A-2-A	Client ID:	HD-12 (2-2.5)
Inject. Date:	16-Jul-2010 19:44:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	500-26466-A-2-A		
Misc. Info.:	500-0000698-018		
Operator:	JAB	Instrument ID:	CMS01
Vol. Injected:	1.0000	ALS Bottle#:	19
Lims Batch ID:	89756	Lims Sample ID:	18
Detector:	MS SCAN		
Method:	\\chi-svr07\chromdata\CMS01\20100716-698.b\1-HALO.m		
Last Update:	19-Jul-2010 14:46:59	Calib Date:	16-Jul-2010 17:03:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\chi-svr07\chromdata\CMS01\20100716-698.b\STD20A.D		
Limit Group:	MSBNA_SIM_H_ICAL		
Integrator:	RTE		
Process Host:	CHI-MS-SM1A		
Reviewed By:	rynkarg	Date:	19-Jul-2010 10:40:19
Reviewed By:	rynkarg	Date:	19-Jul-2010 11:04:27
Reviewed By:	rynkarg	Date:	20-Jul-2010 13:06:42

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ng/uL	Flags
* 2 1,4-Dichlorobenzene-d4	152	4.043	4.334	-0.291	298451	8.00	
$ 13 Nitrobenzene-d5	82	4.563	4.564	-0.001	122974	3.02	
* 12 Naphthalene-d8	136	5.267	5.298	-0.031	1010145	8.00	
$ 6 2-Fluorobiphenyl	172	6.323	6.324	-0.001	359827	3.56	
* 7 Acenaphthene-d10	164	6.981	6.966	0.015	586512	8.00	
* 17 Phenanthrene-d10	188	8.297	8.282	0.015	1109217	8.00	
$ 18 Terphenyl-d14	244	9.510	9.510	0.000	244637	10.2	M
* 8 Chrysene-d12	240	10.324	10.308	0.016	230099	8.00	s
* 1 Perylene-d12	264	11.453	11.453	0.000	656858	8.00	

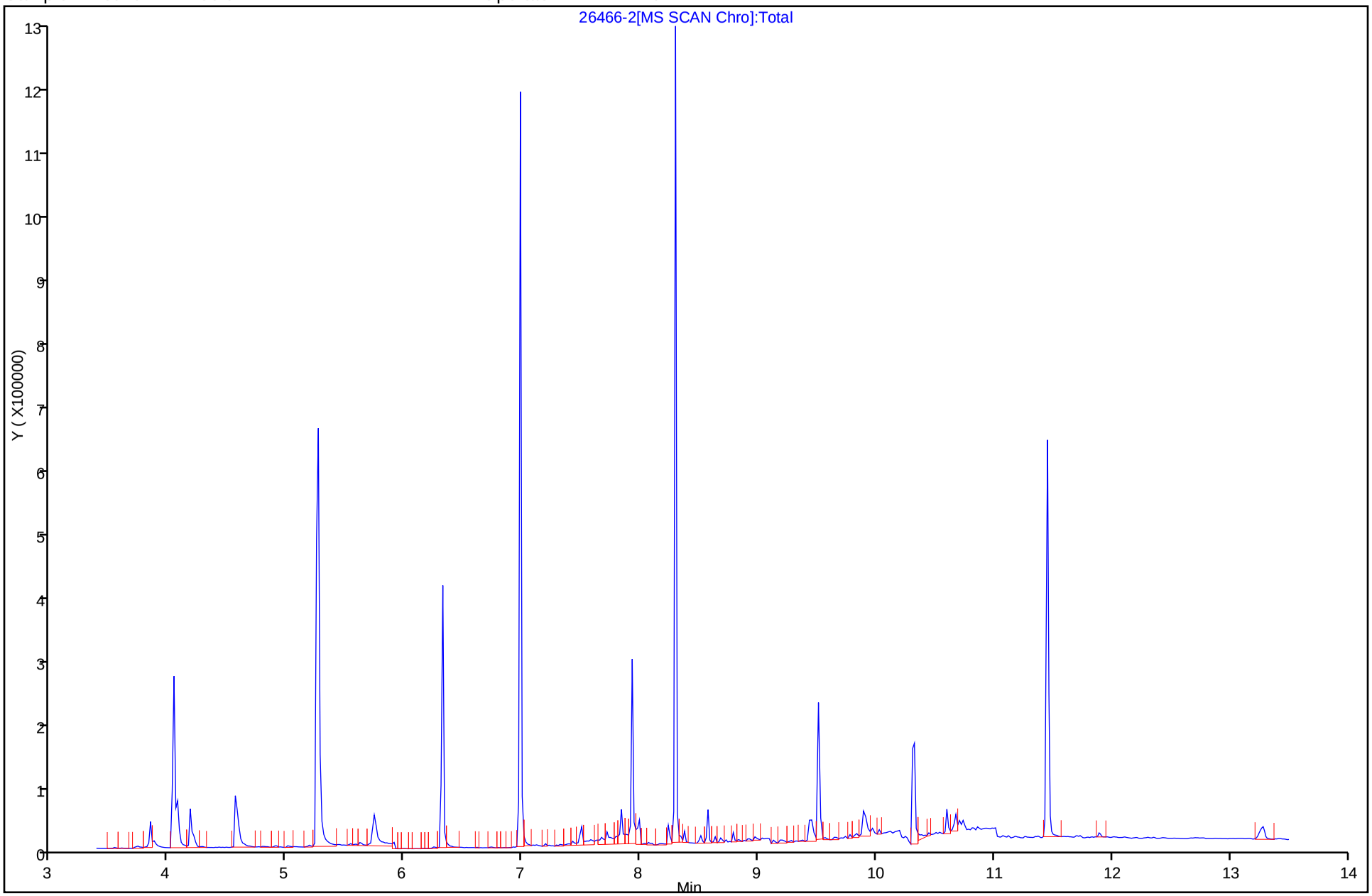
QC Flag Legend

Processing Flags
s - Failed ISTD Recovery Test

Review Flags
M - Manually Integrated

Report Date: 20-Jul-2010 13:11:46 Chrom Revision: 1.2 25-May-2010 11:47:28

Data File:	\\chi-svr07\chromdata\CMS01\20100716-698.b\26466-2.D		
Inj Date:	16-Jul-2010 19:44:30	Limit Group:	MSBNA_SIM_H_ICAL
Lims Batch ID:	89756	Lims Sample ID:	18
Client ID:	HD-12 (2-2.5)	Instrument:	CMS01
Sample Info:	500-26466-A-2-A		
Sample Amount:	1.00 ul	Operator:	JAB



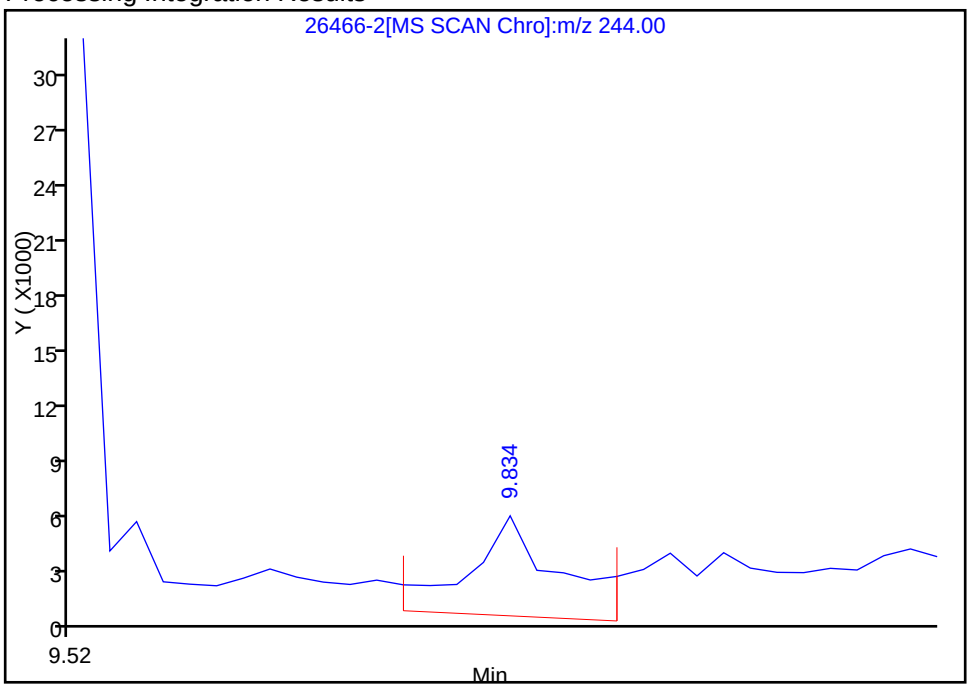
Chrom Revision: 1.2 25-May-2010 11:47:28
Manual Integration/User Assign Peak Report

Data File:	\\chi-svr07\chromdata\CMS01\20100716-698.b\26466-2.D		
Inj Date:	16-Jul-2010 19:44:30	Limit Group:	MSBNA_SIM_H_ICAL
Lims Batch ID:	89756	Lims Sample ID:	18
Client ID:	HD-12 (2-2.5)	Instrument:	CMS01
Sample Info:	500-26466-A-2-A		
Sample Amount:	1.00 ul	Operator:	JAB

$ 18 Terphenyl-d14, Signal: 1, m/z: 244.0 Type: quant, RT: 9.51

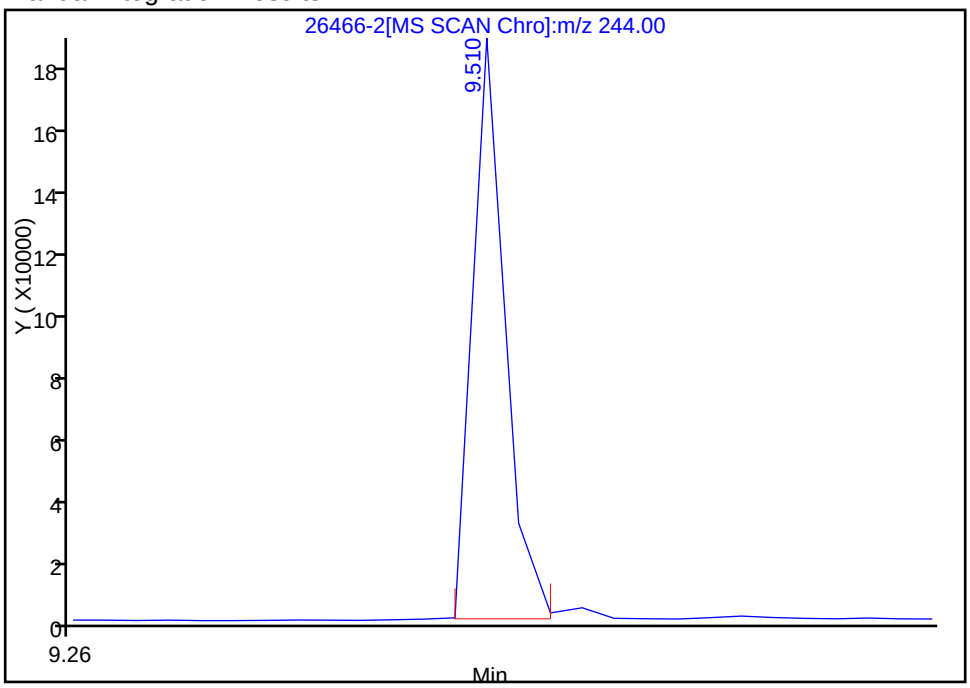
Processing Integration Results

RT: 9.83
Response: 25687
Amount: 1.072817



Manual Integration Results

RT: 9.51
Response: 244637
Amount: 10.217255



Reviewer: rynkarg, 19-Jul-2010 11:04:27
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Chicago | Job No.: 500-26466-1

SDG No.:

Client Sample ID: HD-12 (2-2.5) RA | Lab Sample ID: 500-26466-2 RA

Matrix: Solid | Lab File ID: 26466-2.D

Analysis Method: 8270C | Date Collected: 07/02/2010 11:00

Extract. Method: 3541 | Date Extracted: 07/12/2010 07:48

Sample wt/vol: 15.7371(g) | Date Analyzed: 07/20/2010 10:28

Con. Extract Vol.: 0.5(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 15.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 89883 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
90-13-1	*Monochloronaphthalene, Total*	*94*	*U*	*94*	*17*
28699-88-9	*Dichloronaphthalene, Total*	*94*	*U*	*94*	*13*
1321-65-9	*Trichloronaphthalene, Total*	*94*	*U*	*94*	*9.9*
1335-88-2	*Tetrachloronaphthalene, Total*	*94*	*U*	*94*	*11*
1321-64-8	*Pentachloronaphthalene, Total*	*94*	*U*	*94*	*26*
1335-87-1	*Hexachloronaphthalene, Total*	*94*	*U*	*94*	*50*
32241-08-0	*Heptachloronaphthalene, Total*	*94*	*U*	*94*	*16*
2234-13-1	*Octachloronaphthalene, Total*	*94*	*U*	*94*	*36*

CAS NO.	SURROGATE	%REC	LIMITS	Q
4165-60-0	Nitrobenzene-d5	54	28-110	
321-60-8	2-Fluorobiphenyl	68	21-123	
1718-51-0	Terphenyl-d14	106	36-119	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\chi-svr07\chromdata\CMS01\20100720-714.b\26466-2.D		
Lims ID:	500-26466-A-2-A	Client ID:	HD-12 (2-2.5)
Inject. Date:	20-Jul-2010 10:28:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	500-26466-A-2-A		
Misc. Info.:	500-0000714-004		
Operator:	JAB	Instrument ID:	CMS01
Vol. Injected:	1.0000	ALS Bottle#:	4
Lims Batch ID:	89883	Lims Sample ID:	4
Detector:	MS SCAN		
Method:	\\chi-svr07\chromdata\CMS01\20100720-714.b\1-HALO.m		
Last Update:	20-Jul-2010 13:51:18	Calib Date:	16-Jul-2010 17:03:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\chi-svr07\chromdata\CMS01\20100716-698.b\STD20A.D		
Limit Group:	MSBNA_SIM_H_ICAL		
Integrator:	RTE		
Process Host:	CHI-MS-SM1A		
Reviewed By:	rynkarg	Date:	20-Jul-2010 12:58:35
Reviewed By:	rynkarg	Date:	20-Jul-2010 13:08:24

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ng/uL	Flags
* 2 1,4-Dichlorobenzene-d4	152	4.028	4.074	-0.046	581442	8.00	s
$ 13 Nitrobenzene-d5	82	4.548	4.564	-0.016	240231	2.71	
* 12 Naphthalene-d8	136	5.237	5.252	-0.015	2198106	8.00	
$ 6 2-Fluorobiphenyl	172	6.293	6.308	-0.015	655822	3.40	
* 7 Acenaphthene-d10	164	6.966	6.966	0.000	1118464	8.00	
* 17 Phenanthrene-d10	188	8.282	8.282	0.000	2498655	8.00	s
$ 18 Terphenyl-d14	244	9.510	9.510	0.000	614534	5.29	M
* 8 Chrysene-d12	240	10.308	10.308	0.000	1117439	8.00	
* 1 Perylene-d12	264	11.442	11.430	0.012	1049461	8.00	

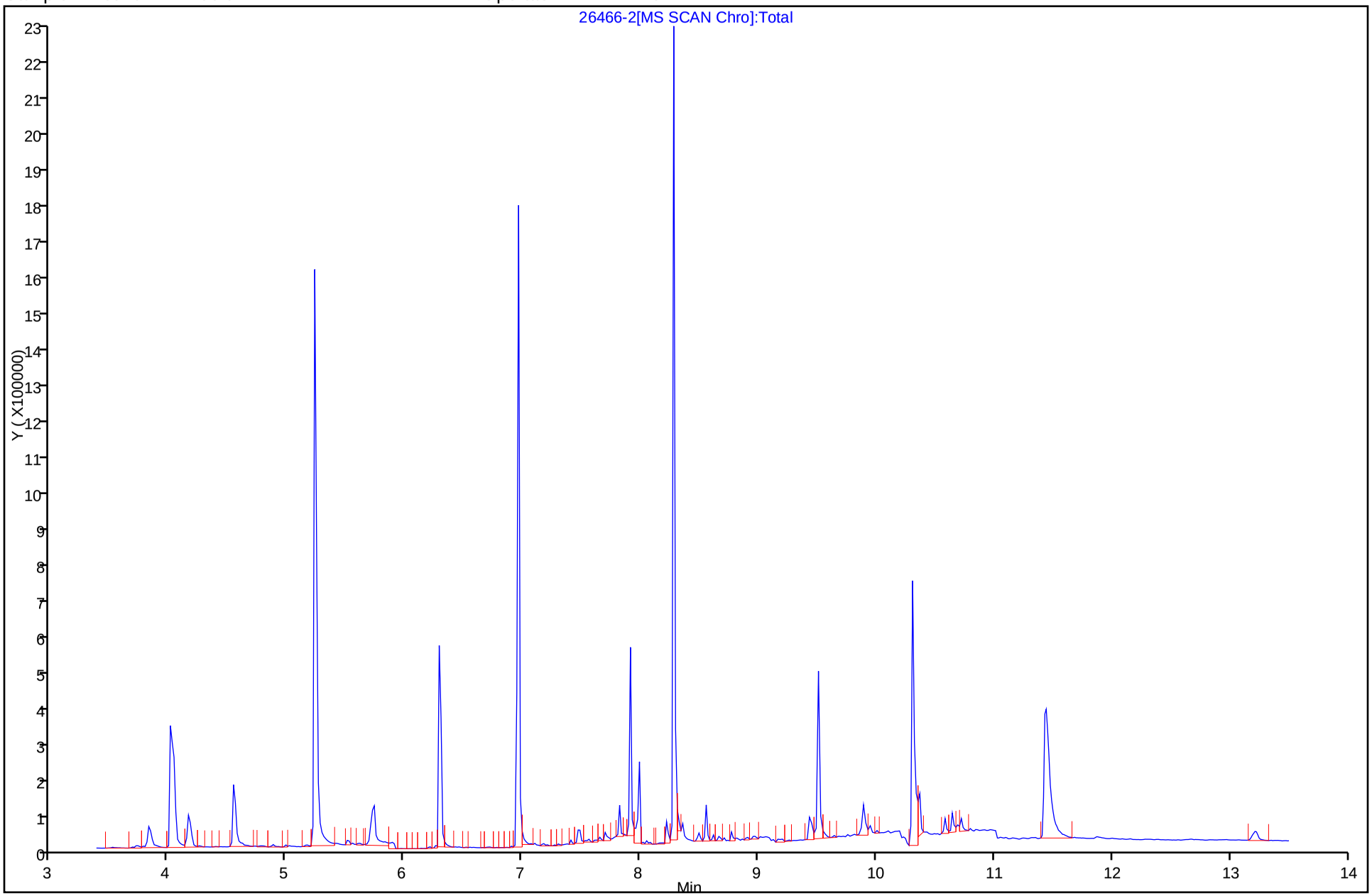
QC Flag Legend

Processing Flags
s - Failed ISTD Recovery Test

Review Flags
M - Manually Integrated

Report Date: 20-Jul-2010 13:51:18 Chrom Revision: 1.2 25-May-2010 11:47:28

Data File:	\\chi-svr07\chromdata\CMS01\20100720-714.b\26466-2.D		
Inj Date:	20-Jul-2010 10:28:30	Limit Group:	MSBNA_SIM_H_ICAL
Lims Batch ID:	89883	Lims Sample ID:	4
Client ID:	HD-12 (2-2.5)	Instrument:	CMS01
Sample Info:	500-26466-A-2-A		
Sample Amount:	1.00 ul	Operator:	JAB



Chrom Revision: 1.2 25-May-2010 11:47:28
Manual Integration/User Assign Peak Report

Data File:	\\chi-svr07\chromdata\CMS01\20100720-714.b\26466-2.D		
Inj Date:	20-Jul-2010 10:28:30	Limit Group:	MSBNA_SIM_H_ICAL
Lims Batch ID:	89883	Lims Sample ID:	4
Client ID:	HD-12 (2-2.5)	Instrument:	CMS01
Sample Info:	500-26466-A-2-A		
Sample Amount:	1.00 ul	Operator:	JAB

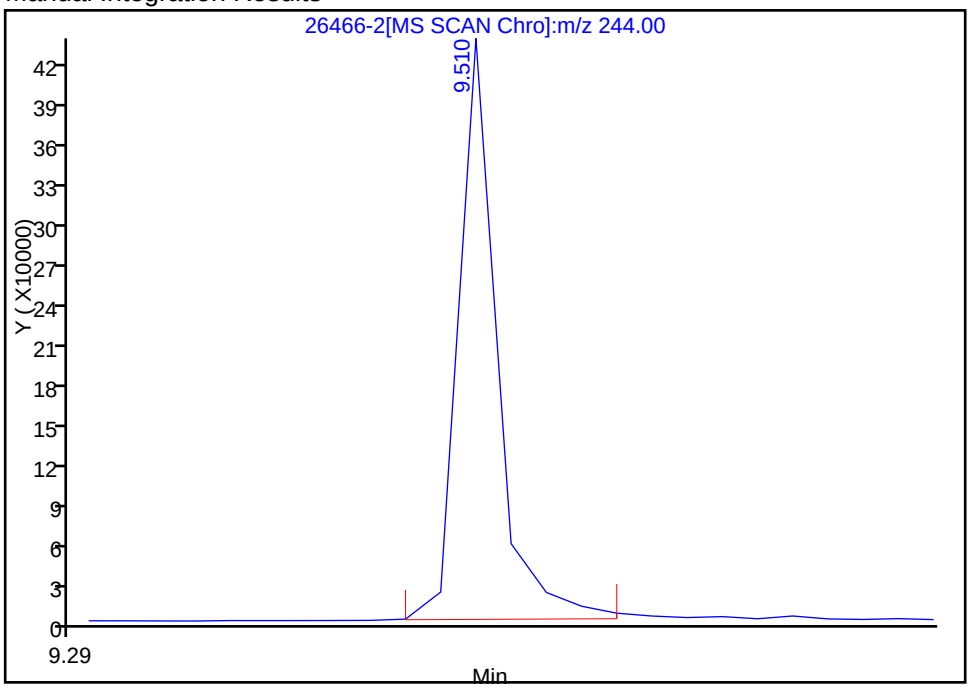
$ 18 Terphenyl-d14, Signal: 1, m/z: 244.0 Type: quant, RT: 9.51

Processing Integration Results

Not Detected
Expected RT: 9.51

Manual Integration Results

RT: 9.51
Response: 614534
Amount: 5.285048



Reviewer: rynkarg, 20-Jul-2010 12:58:35
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Chicago | Job No.: 500-26466-1

SDG No.:

Client Sample ID: HD-11 (0-0.5) | Lab Sample ID: 500-26466-3

Matrix: Solid | Lab File ID: 26466-3.D

Analysis Method: 8270C | Date Collected: 07/02/2010 11:30

Extract. Method: 3541 | Date Extracted: 07/12/2010 07:48

Sample wt/vol: 15.5387(g) | Date Analyzed: 07/16/2010 20:04

Con. Extract Vol.: 0.5(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 19.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 89756 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
90-13-1	Monochloronaphthalene, Total	99	U	99	18
28699-88-9	Dichloronaphthalene, Total	99	U	99	13
1321-65-9	Trichloronaphthalene, Total	99	U	99	10
1335-88-2	Tetrachloronaphthalene, Total	99	U	99	12
1321-64-8	Pentachloronaphthalene, Total	99	U	99	28
1335-87-1	Hexachloronaphthalene, Total	99	U	99	53
32241-08-0	Heptachloronaphthalene, Total	99	U	99	16
2234-13-1	Octachloronaphthalene, Total	99	U	99	38

CAS NO.	SURROGATE	%REC	LIMITS	Q
4165-60-0	Nitrobenzene-d5	51	28-110	
321-60-8	2-Fluorobiphenyl	78	21-123	
1718-51-0	Terphenyl-d14	48	36-119	

TestAmerica Laboratories
Target Compound Quantitation Report

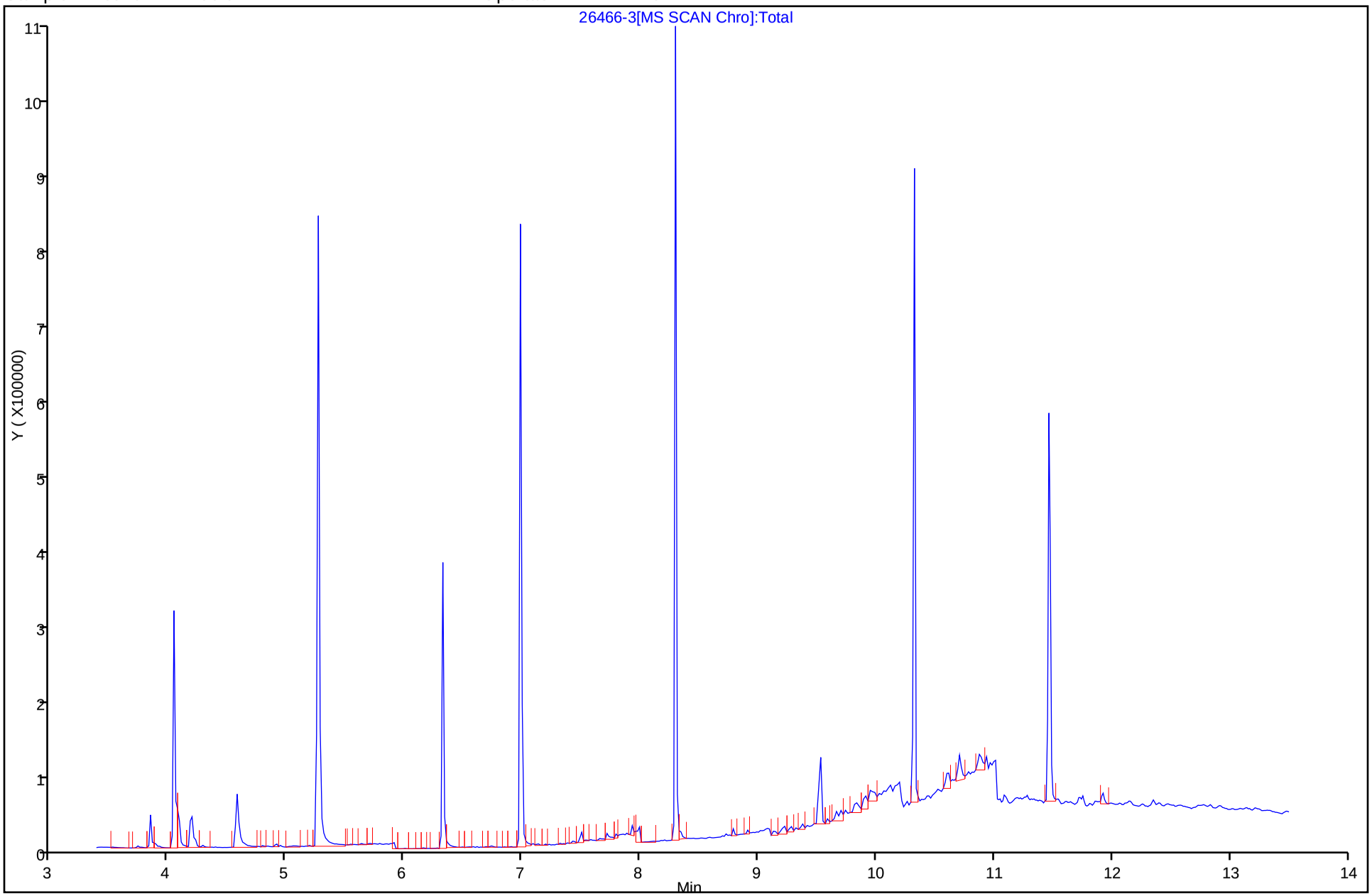
Data File:	\\chi-svr07\chromdata\CMS01\20100716-698.b\26466-3.D		
Lims ID:	500-26466-A-3-A	Client ID:	HD-11 (0-0.5)
Inject. Date:	16-Jul-2010 20:04:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	500-26466-A-3-A		
Misc. Info.:	500-0000698-019		
Operator:	JAB	Instrument ID:	CMS01
Vol. Injected:	1.0000	ALS Bottle#:	20
Lims Batch ID:	89756	Lims Sample ID:	19
Detector:	MS SCAN		
Method:	\\chi-svr07\chromdata\CMS01\20100716-698.b\1-HALO.m		
Last Update:	19-Jul-2010 11:16:43	Calib Date:	16-Jul-2010 17:03:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\chi-svr07\chromdata\CMS01\20100716-698.b\STD20A.D		
Limit Group:	MSBNA_SIM_H_ICAL		
Integrator:	RTE		
Process Host:	CHI-MS-SM1A		
Reviewed By:	rynkarg	Date:	19-Jul-2010 10:41:24
Reviewed By:	rynkarg	Date:	19-Jul-2010 10:41:24
Reviewed By:	rynkarg	Date:	19-Jul-2010 10:41:52
Reviewed By:	rynkarg	Date:	19-Jul-2010 10:41:52
Reviewed By:	rynkarg	Date:	19-Jul-2010 11:13:24

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ng/uL	Flags
* 2 1,4-Dichlorobenzene-d4	152	4.043	4.334	-0.291	304551	8.00	
$ 13 Nitrobenzene-d5	82	4.579	4.564	0.015	100857	2.55	
* 12 Naphthalene-d8	136	5.268	5.298	-0.030	983988	8.00	
$ 6 2-Fluorobiphenyl	172	6.324	6.324	0.000	309686	3.91	
* 7 Acenaphthene-d10	164	6.981	6.966	0.015	460030	8.00	
* 17 Phenanthrene-d10	188	8.297	8.282	0.015	977209	8.00	
$ 18 Terphenyl-d14	244	9.529	9.510	0.019	183975	2.38	
* 8 Chrysene-d12	240	10.324	10.308	0.016	743406	8.00	
* 1 Perylene-d12	264	11.465	11.453	0.012	565914	8.00	

Report Date: 19-Jul-2010 11:16:44 Chrom Revision: 1.2 25-May-2010 11:47:28

Data File: \\chi-svr07\chromdata\CMS01\20100716-698.b\26466-3.D

Inj Date:	16-Jul-2010 20:04:30	Limit Group:	MSBNA_SIM_H_ICAL
Lims Batch ID:	89756	Lims Sample ID:	19
Client ID:	HD-11 (0-0.5)	Instrument:	CMS01
Sample Info:	500-26466-A-3-A		
Sample Amount:	1.00 ul	Operator:	JAB



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Chicago | Job No.: 500-26466-1

SDG No.:

Client Sample ID: HD-11 (2-2.5) | Lab Sample ID: 500-26466-4

Matrix: Solid | Lab File ID: 26466-4.D

Analysis Method: 8270C | Date Collected: 07/02/2010 11:35

Extract. Method: 3541 | Date Extracted: 07/12/2010 07:48

Sample wt/vol: 15.3731(g) | Date Analyzed: 07/16/2010 20:24

Con. Extract Vol.: 0.5(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 23.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 89756 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
90-13-1	Monochloronaphthalene, Total	110	U	110	19
28699-88-9	Dichloronaphthalene, Total	110	U	110	14
1321-65-9	Trichloronaphthalene, Total	110	U	110	11
1335-88-2	Tetrachloronaphthalene, Total	110	U	110	13
1321-64-8	Pentachloronaphthalene, Total	110	U	110	30
1335-87-1	Hexachloronaphthalene, Total	110	U	110	56
32241-08-0	Heptachloronaphthalene, Total	110	U	110	18
2234-13-1	Octachloronaphthalene, Total	110	U	110	41

CAS NO.	SURROGATE	%REC	LIMITS	Q
4165-60-0	Nitrobenzene-d5	28	28-110	
321-60-8	2-Fluorobiphenyl	51	21-123	
1718-51-0	Terphenyl-d14	34	36-119	X

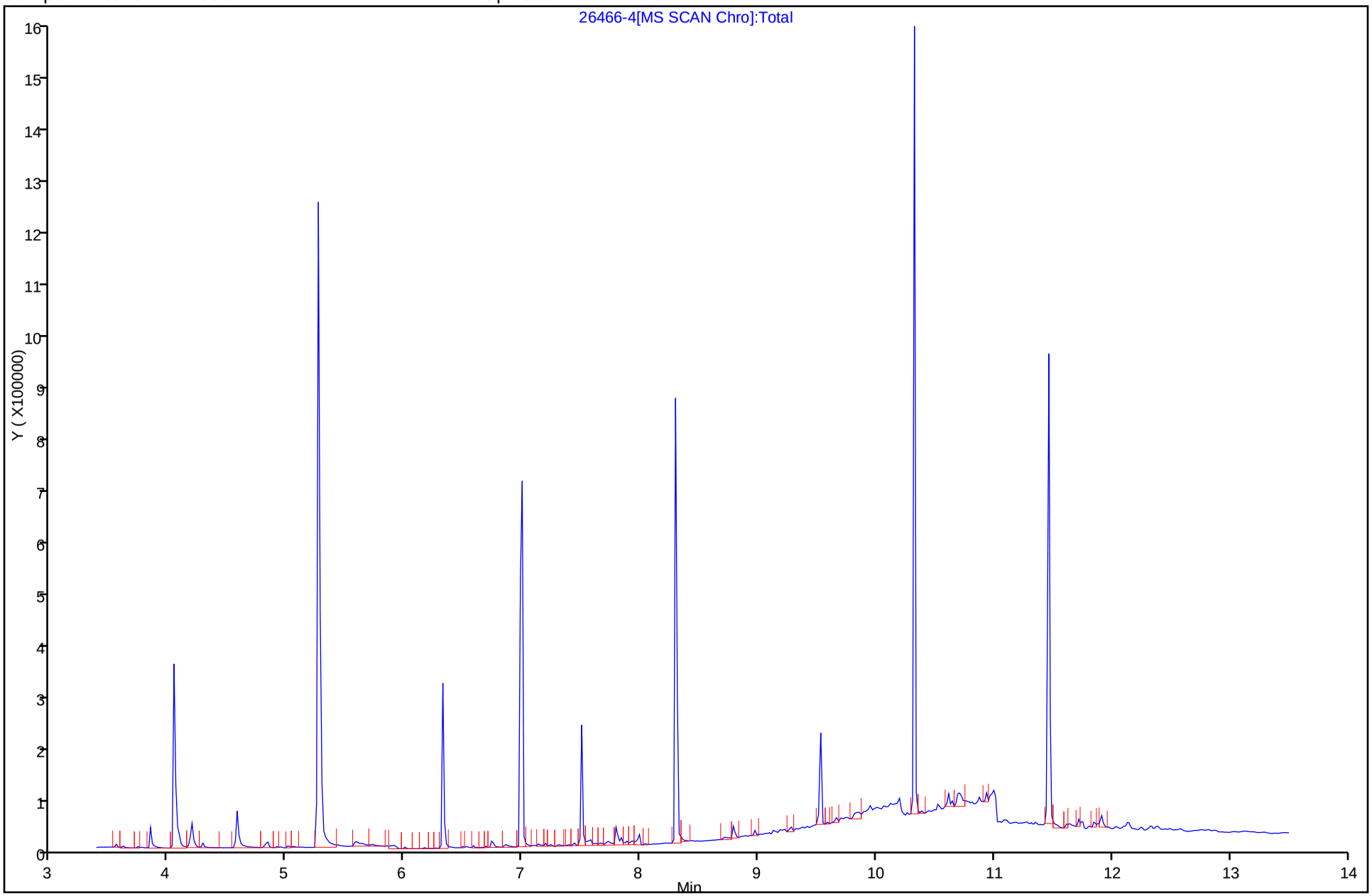
TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\chi-svr07\chromdata\CMS01\20100716-698.b\26466-4.D		
Lims ID:	500-26466-A-4-A	Client ID:	HD-11 (2-2.5)
Inject. Date:	16-Jul-2010 20:24:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	500-26466-A-4-A		
Misc. Info.:	500-0000698-020		
Operator:	JAB	Instrument ID:	CMS01
Vol. Injected:	1.0000	ALS Bottle#:	21
Lims Batch ID:	89756	Lims Sample ID:	20
Detector:	MS SCAN		
Method:	\\chi-svr07\chromdata\CMS01\20100716-698.b\1-HALO.m		
Last Update:	19-Jul-2010 11:16:43	Calib Date:	16-Jul-2010 17:03:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\chi-svr07\chromdata\CMS01\20100716-698.b\STD20A.D		
Limit Group:	MSBNA_SIM_H_ICAL		
Integrator:	RTE		
Process Host:	CHI-MS-SM1A		
Reviewed By:	rynkarg	Date:	19-Jul-2010 10:44:18

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ng/uL	Flags
* 2 1,4-Dichlorobenzene-d4	152	4.043	4.334	-0.291	309605	8.00	
$ 13 Nitrobenzene-d5	82	4.579	4.564	0.015	71164	1.40	
* 12 Naphthalene-d8	136	5.268	5.298	-0.030	1260897	8.00	
$ 6 2-Fluorobiphenyl	172	6.324	6.324	0.000	250544	2.56	
* 7 Acenaphthene-d10	164	6.997	6.966	0.031	568831	8.00	
* 17 Phenanthrene-d10	188	8.297	8.282	0.015	921839	8.00	
$ 18 Terphenyl-d14	244	9.529	9.510	0.019	203435	1.69	
* 8 Chrysene-d12	240	10.324	10.308	0.016	1156132	8.00	
* 1 Perylene-d12	264	11.465	11.453	0.012	864369	8.00	

Report Date: 19-Jul-2010 11:16:45 Chrom Revision: 1.2 25-May-2010 11:47:28

Data File:	\\chi-svr07\chromdata\CMS01\20100716-698.b\26466-4.D		
Inj Date:	16-Jul-2010 20:24:30	Limit Group:	MSBNA_SIM_H_ICAL
Lims Batch ID:	89756	Lims Sample ID:	20
Client ID:	HD-11 (2-2.5)	Instrument:	CMS01
Sample Info:	500-26466-A-4-A		
Sample Amount:	1.00 ul	Operator:	JAB



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Chicago | Job No.: 500-26466-1

SDG No.:

Client Sample ID: FB070210 | Lab Sample ID: 500-26466-5

Matrix: Water | Lab File ID: 26466-5.D

Analysis Method: 8270C | Date Collected: 07/02/2010 12:05

Extract. Method: 3510C | Date Extracted: 07/08/2010 09:15

Sample wt/vol: 1070(mL) | Date Analyzed: 07/16/2010 18:23

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 89756 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
90-13-1	Monochloronaphthalene, Total	2.3	U *	2.3	0.32
28699-88-9	Dichloronaphthalene, Total	2.3	U *	2.3	0.39
1321-65-9	Trichloronaphthalene, Total	2.3	U	2.3	0.63
1335-88-2	Tetrachloronaphthalene, Total	2.3	U	2.3	0.41
1321-64-8	Pentachloronaphthalene, Total	2.3	U	2.3	0.62
1335-87-1	Hexachloronaphthalene, Total	2.3	U	2.3	0.51
32241-08-0	Heptachloronaphthalene, Total	2.3	U	2.3	0.51
2234-13-1	Octachloronaphthalene, Total	2.3	U *	2.3	0.56

CAS NO.	SURROGATE	%REC	LIMITS	Q
4165-60-0	Nitrobenzene-d5	80	51-110	
321-60-8	2-Fluorobiphenyl	78	45-110	
1718-51-0	Terphenyl-d14	99	52-122	

TestAmerica Laboratories
Target Compound Quantitation Report

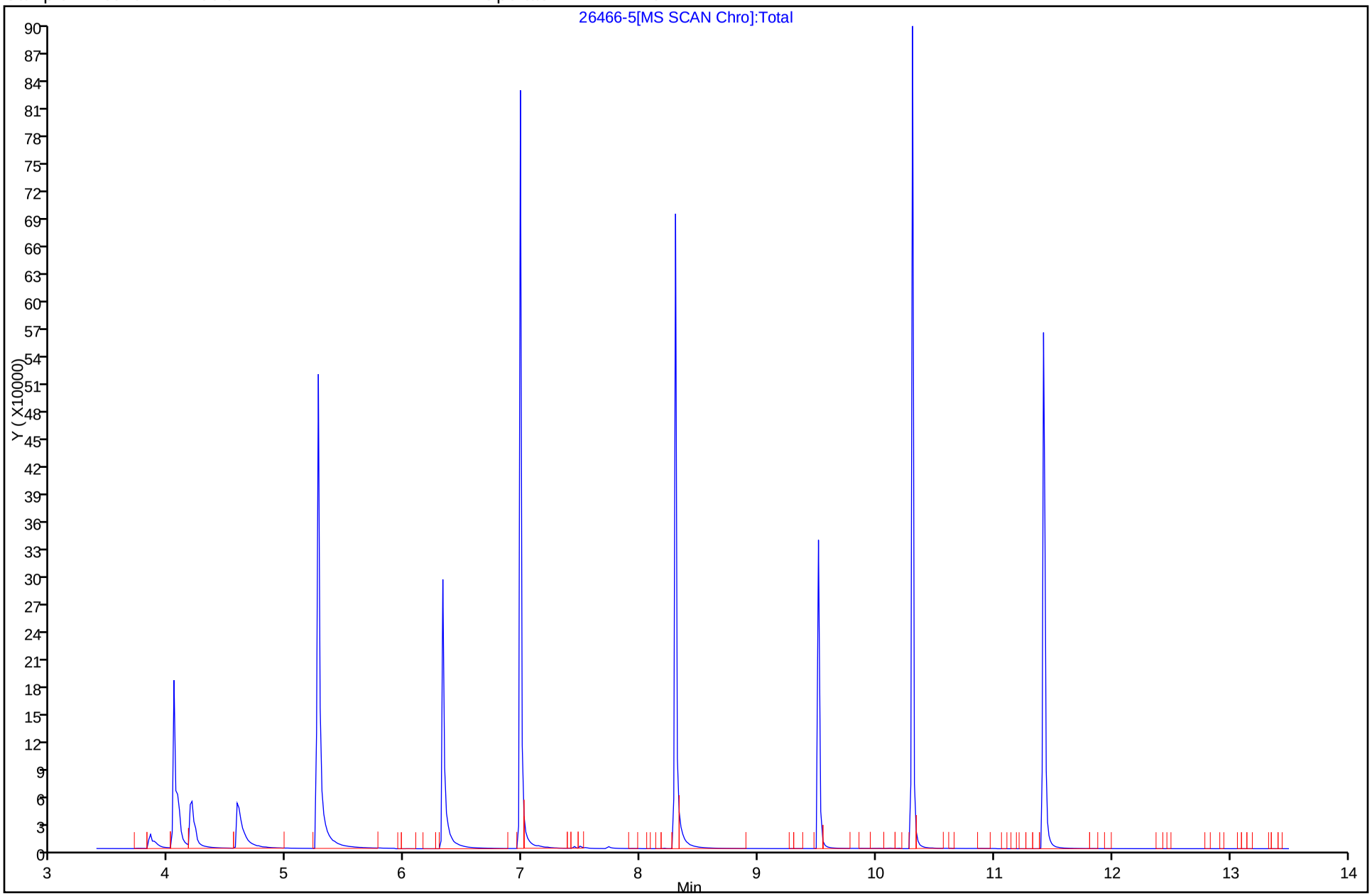
Data File:	\\chi-svr07\chromdata\CMS01\20100716-698.b\26466-5.D		
Lims ID:	500-26466-B-5-A	Client ID:	FB070210
Inject. Date:	16-Jul-2010 18:23:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	500-26466-B-5-A		
Misc. Info.:	500-0000698-014		
Operator:	JAB	Instrument ID:	CMS01
Vol. Injected:	1.0000	ALS Bottle#:	15
Lims Batch ID:	89756	Lims Sample ID:	14
Detector:	MS SCAN		
Method:	\\chi-svr07\chromdata\CMS01\20100716-698.b\1-HALO.m		
Last Update:	19-Jul-2010 14:46:59	Calib Date:	16-Jul-2010 17:03:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\chi-svr07\chromdata\CMS01\20100716-698.b\STD20A.D		
Limit Group:	MSBNA_SIM_H_ICAL		
Integrator:	RTE		
Process Host:	CHI-MS-SM1A		
Reviewed By:	rynkarg	Date:	19-Jul-2010 10:35:07
Reviewed By:	rynkarg	Date:	19-Jul-2010 10:37:16
Reviewed By:	rynkarg	Date:	19-Jul-2010 11:02:42

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ng/uL	Flags
* 2 1,4-Dichlorobenzene-d4	152	4.043	4.334	-0.291	249765	8.00	
$ 13 Nitrobenzene-d5	82	4.579	4.564	0.015	139242	3.99	
* 12 Naphthalene-d8	136	5.268	5.298	-0.030	866418	8.00	
$ 6 2-Fluorobiphenyl	172	6.323	6.324	-0.001	324078	3.91	
* 7 Acenaphthene-d10	164	6.981	6.966	0.015	481360	8.00	
* 17 Phenanthrene-d10	188	8.297	8.282	0.015	771947	8.00	
$ 18 Terphenyl-d14	244	9.510	9.510	0.000	413613	4.97	
* 8 Chrysene-d12	240	10.308	10.308	0.000	799175	8.00	
* 1 Perylene-d12	264	11.418	11.453	-0.035	642301	8.00	

Report Date: 20-Jul-2010 13:11:46 Chrom Revision: 1.2 25-May-2010 11:47:28

Data File: \\chi-svr07\chromdata\CMS01\20100716-698.b\26466-5.D

Inj Date:	16-Jul-2010 18:23:30	Limit Group:	MSBNA_SIM_H_ICAL
Lims Batch ID:	89756	Lims Sample ID:	14
Client ID:	FB070210	Instrument:	CMS01
Sample Info:	500-26466-B-5-A		
Sample Amount:	1.00 ul	Operator:	JAB



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

Lab Name: TestAmerica Chicago Job No.: 500-26466-1 Analy Batch No.: 89756

SDG No.:

Instrument ID: CMS01 GC Column: ZB5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/16/2010 14:01 Calibration End Date: 07/16/2010 17:03 Calibration ID: 3189

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD05J 500-89756/2	STD05J.D
Level 2	STD1I 500-89756/3	STD1I.D
Level 3	STD2H 500-89756/4	STD2H.D
Level 4	STD4G 500-89756/5	STD4G.D
Level 5	STD5F 500-89756/6	STD5F.D
Level 6	STD10E 500-89756/7	STD10E.D
Level 7	STD15D 500-89756/8	STD15D.D
Level 8	STD15B 500-89756/10	STD15B.D
Level 9	STD20C 500-89756/9	STD20C.D
Level 10	STD20A 500-89756/11	STD20A.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10		B	M1	M2								
Monochloronaphthalene, Total	1.2883 1.2614	1.3051 1.1883	1.2723	1.1543 1.1297	1.0687	Ave		1.2085			0.0100	7.1		15.0			
Dichloronaphthalene, Total	2.3108 2.3077	2.1934 1.8532	2.2775	2.2494 1.6953	2.2252	Ave		2.1391			0.0100	11.0		15.0			
Trichloronaphthalene, Total	0.2786 0.3297	0.2770	0.2914 0.3676	0.2894	0.3419 0.3575	Ave		0.3166			0.0100	12.0		15.0			
Tetrachloronaphthalene, Total	0.3402 0.4212	0.3581 0.3820	0.3889	0.4076 0.3570	0.4336	Ave		0.3861			0.0100	8.6		15.0			
Pentachloronaphthalene, Total	0.3432 0.2491	0.3448	0.3509 0.2335	0.2708	0.1751 0.2440	Ave		0.2764			0.0100	23.0	*	15.0			
Hexachloronaphthalene, Total	0.2765 0.3351	0.2823	0.3309 0.3117	0.3281	0.2561 0.3229	Ave		0.3055			0.0100	9.7		15.0			
Heptachloronaphthalene, Total	0.1317 0.1600	0.1327	0.1457 0.1543	0.1319	0.0979 0.1496	Ave		0.1380			0.0100	14.0		15.0			
Octachloronaphthalene, Total	0.1384 0.1335	0.1319 0.1269	0.1328	0.1347 0.1247	0.1384	Ave		0.1327			0.0100	3.7		15.0			
Nitrobenzene-d5	0.3299 0.3746	0.3365 0.2803	0.3482	0.2743 0.3103	0.3227	Ave		0.3221			0.0100	10.0		15.0			
2-Fluorobiphenyl	1.5052 1.3855	1.5054 1.2846	1.4334	1.3993 1.2666	1.2522	Ave		1.3790			0.0100	7.4		15.0			
Terphenyl-d14	0.8072 0.9895	0.7224 0.9050	0.8407	0.8825 0.7353	0.7770	Ave		0.8325			0.0100	11.0		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 RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Chicago Job No.: 500-26466-1 Analy Batch No.: 89756

SDG No.:

Instrument ID: CMS01 GC Column: ZB5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/16/2010 14:01 Calibration End Date: 07/16/2010 17:03 Calibration ID: 3189

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD05J 500-89756/2	STD05J.D
Level 2	STD1I 500-89756/3	STD1I.D
Level 3	STD2H 500-89756/4	STD2H.D
Level 4	STD4G 500-89756/5	STD4G.D
Level 5	STD5F 500-89756/6	STD5F.D
Level 6	STD10E 500-89756/7	STD10E.D
Level 7	STD15D 500-89756/8	STD15D.D
Level 8	STD15B 500-89756/10	STD15B.D
Level 9	STD20C 500-89756/9	STD20C.D
Level 10	STD20A 500-89756/11	STD20A.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10
Monochloronaphthalene, Total	ANT	Ave	38890 1000657	72959 1162344	156651	308392 1623319	414334	0.500 10.0	1.00 15.0	2.00	4.00 20.0	5.00
Dichloronaphthalene, Total	ANT	Ave	69758 1830738	122619 1812723	280405	600969 2436024	862677	0.500 10.0	1.00 15.0	2.00	4.00 20.0	5.00
Trichloronaphthalene, Total	PHN	Ave	15761 437180	27090	61724 672946	133627	202974 948264	0.500 10.0	1.00	2.00 15.0	4.00	5.00 20.0
Tetrachloronaphthalene, Total	PHN	Ave	19246 558653	35021 655284	82383	188213 878529	257388	0.500 10.0	1.00 15.0	2.00	4.00 20.0	5.00
Pentachloronaphthalene, Total	CRY	Ave	16207 299410	28213	57103 429629	108886	124815 610942	0.500 10.0	1.00	2.00 15.0	4.00	5.00 20.0
Hexachloronaphthalene, Total	CRY	Ave	13056 402828	23100	53855 573588	131937	182507 808626	0.500 10.0	1.00	2.00 15.0	4.00	5.00 20.0
Heptachloronaphthalene, Total	CRY	Ave	6222 192279	10861	23702 283996	53027	69738 374688	0.500 10.0	1.00	2.00 15.0	4.00	5.00 20.0
Octachloronaphthalene, Total	PRY	Ave	4685 152071	9950 167218	21172	40454 246032	65807	0.500 10.0	1.00 15.0	2.00	4.00 20.0	5.00
Nitrobenzene-d5	NPT	Ave	18716 525939	35239 506531	82080	145434 776109	230618	0.500 10.0	1.00 15.0	2.00	4.00 20.0	5.00
2-Fluorobiphenyl	ANT	Ave	45438 1099088	84158 1256565	176477	373852 1819973	485461	0.500 10.0	1.00 15.0	2.00	4.00 20.0	5.00
Terphenyl-d14	CRY	Ave	38122 1189362	59111 1377484	136808	354881 1749614	553769	0.500 10.0	1.00 15.0	2.00	4.00 20.0	5.00

Curve Type Legend:
Ave = Average ISTD

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\chi-svr07\chromdata\CMS01\20100716-698.b\STD05J.D		
Lims ID:	std05j	Client ID:	
Inject. Date:	16-Jul-2010 14:01:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	1
Sample ID:	STD05		
Misc. Info.:	500-0000698-002		
Operator:	JAB	Instrument ID:	CMS01
Vol. Injected:	1.0000	ALS Bottle#:	3
Lims Batch ID:	89756	Lims Sample ID:	2
Sublist:	chrom-1-HALO*sub4		
Detector:	MS SCAN		
Method:	\\chi-svr07\chromdata\CMS01\20100716-698.b\1-HALO.m		
Last Update:	19-Jul-2010 11:07:42	Calib Date:	16-Jul-2010 17:03:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\chi-svr07\chromdata\CMS01\20100716-698.b\STD20A.D		
Limit Group:	MSBNA_SIM_H_ICAL		
Integrator:	RTE		
Process Host:	CHI-MS-SM1A		
Reviewed By:	bergenj	Date:	16-Jul-2010 17:13:31
Reviewed By:	rynkarg	Date:	19-Jul-2010 10:28:58

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ng/uL	Flags
* 2 1,4-Dichlorobenzene-d4	152	4.043	4.334	-0.291	256340	8.00	
$ 13 Nitrobenzene-d5	82	4.610	4.564	0.046	18716	0.5122	
* 12 Naphthalene-d8	136	5.268	5.298	-0.030	907592	8.00	
$ 6 2-Fluorobiphenyl	172	6.339	6.324	0.015	45438	0.5457	
5 1-Chloronaphthalene	162	6.461	6.461	0.000	38890	0.5330	
* 7 Acenaphthene-d10	164	6.982	6.966	0.016	482998	8.00	
9 Dichloronaphthalene	196	7.395	7.379	0.016	69758	0.5401	
20 Trichloronaphthalene	232	8.298	8.282	0.016	15761	0.4399	
* 17 Phenanthrene-d10	188	8.298	8.282	0.016	905173	8.00	
19 Tetrachloronaphthalene	266	8.910	8.910	0.000	19246	0.4406	
$ 18 Terphenyl-d14	244	9.529	9.510	0.019	38122	0.4848	
16 Pentachloronaphthalene	300	9.567	9.567	0.000	16207	0.6208	
10 Hexachloronaphthalene	334	9.911	9.911	0.000	13056	0.4525	
* 8 Chrysene-d12	240	10.308	10.308	0.000	755613	8.00	
11 Naphthalene, heptachloro-	368	10.599	10.599	0.000	6222	0.4774	
14 Octachloronaphthalene	402	11.177	11.166	0.011	4685	0.5216	
* 1 Perylene-d12	264	11.442	11.453	-0.011	541734	8.00	

Report Date: 19-Jul-2010 11:07:43 Chrom Revision: 1.2 25-May-2010 11:47:28

Data File: \\chi-svr07\chromdata\CMS01\20100716-698.b\STD05J.D

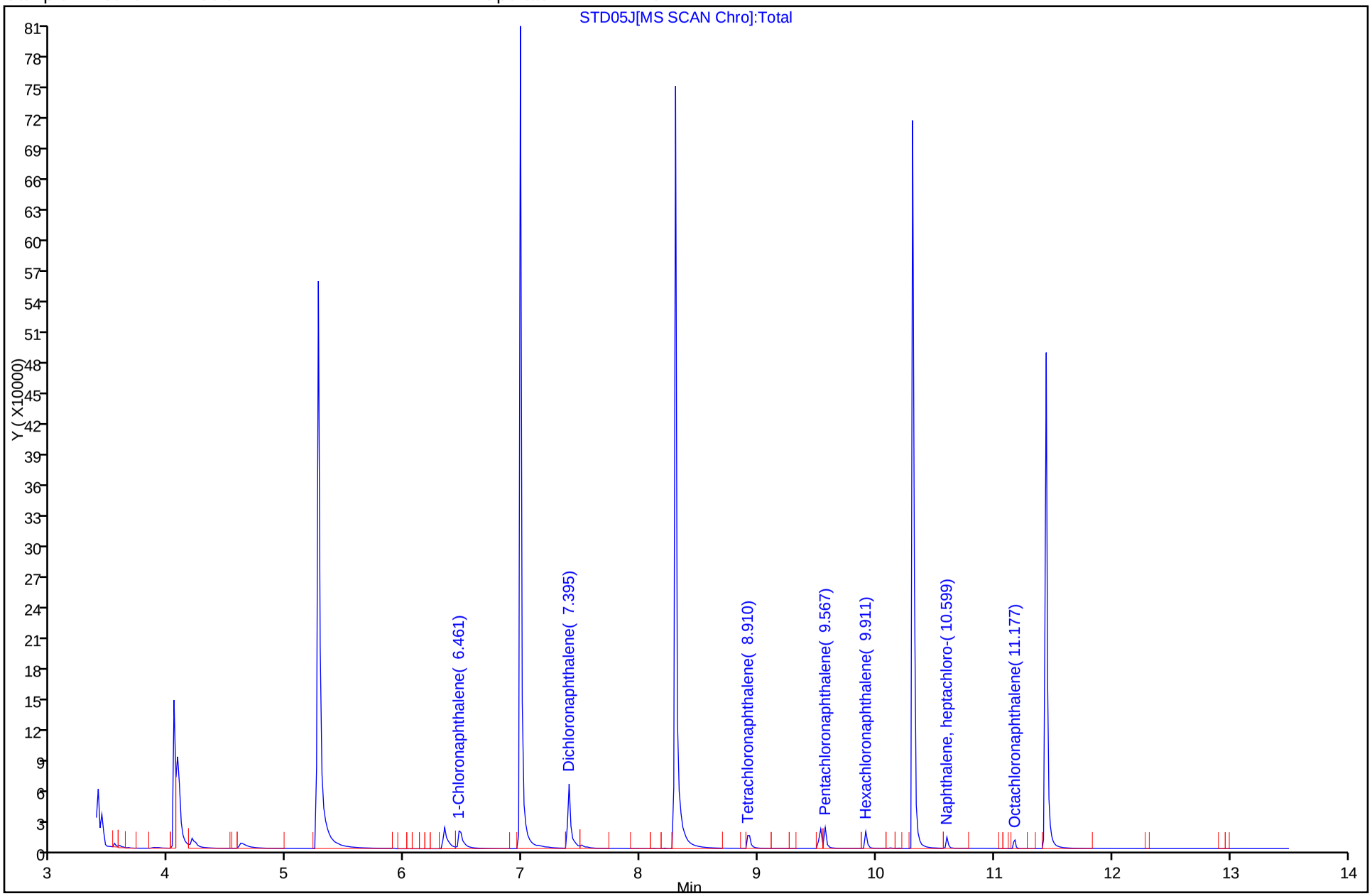
Inj Date: 16-Jul-2010 14:01:30 Limit Group: MSBNA_SIM_H_ICAL

Lims Batch ID: 89756 Lims Sample ID: 2

Client ID: Instrument: CMS01

Sample Info: CCV

Sample Amount: 1.00 ul Operator: JAB



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\chi-svr07\chromdata\CMS01\20100716-698.b\STD1I.D		
Lims ID:	std1i	Client ID:	
Inject. Date:	16-Jul-2010 14:21:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	2
Sample ID:	STD1		
Misc. Info.:	500-0000698-003		
Operator:	JAB	Instrument ID:	CMS01
Vol. Injected:	1.0000	ALS Bottle#:	4
Lims Batch ID:	89756	Lims Sample ID:	3
Sublist:	chrom-1-HALO*sub4		
Detector:	MS SCAN		
Method:	\\chi-svr07\chromdata\CMS01\20100716-698.b\1-HALO.m		
Last Update:	19-Jul-2010 11:07:42	Calib Date:	16-Jul-2010 17:03:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\chi-svr07\chromdata\CMS01\20100716-698.b\STD20A.D		
Limit Group:	MSBNA_SIM_H_ICAL		
Integrator:	RTE		
Process Host:	CHI-MS-SM1A		
Reviewed By:	bergenj	Date:	16-Jul-2010 17:13:19

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ng/uL	Flags
* 2 1,4-Dichlorobenzene-d4	152	4.059	4.334	-0.275	233977	8.00	
$ 13 Nitrobenzene-d5	82	4.594	4.564	0.030	35239	1.04	
* 12 Naphthalene-d8	136	5.268	5.298	-0.030	837663	8.00	
$ 6 2-Fluorobiphenyl	172	6.324	6.324	0.000	84158	1.09	
5 1-Chloronaphthalene	162	6.461	6.461	0.000	72959	1.08	
* 7 Acenaphthene-d10	164	6.981	6.966	0.015	447225	8.00	
9 Dichloronaphthalene	196	7.395	7.379	0.016	122619	1.03	
20 Trichloronaphthalene	232	8.297	8.282	0.015	27090	0.8749	
* 17 Phenanthrene-d10	188	8.297	8.282	0.015	782299	8.00	
19 Tetrachloronaphthalene	266	8.910	8.910	0.000	35021	0.9276	
$ 18 Terphenyl-d14	244	9.529	9.510	0.019	59111	0.8678	
16 Pentachloronaphthalene	300	9.567	9.567	0.000	28213	1.25	
10 Hexachloronaphthalene	334	9.911	9.911	0.000	23100	0.9242	
* 8 Chrysene-d12	240	10.324	10.308	0.016	654598	8.00	
11 Naphthalene, heptachloro-	368	10.614	10.599	0.015	10861	0.9620	
14 Octachloronaphthalene	402	11.189	11.166	0.023	9950	0.99	
* 1 Perylene-d12	264	11.453	11.453	0.000	603543	8.00	

Report Date: 19-Jul-2010 11:07:44 Chrom Revision: 1.2 25-May-2010 11:47:28

Data File: \\chi-svr07\chromdata\CMS01\20100716-698.b\STD1I.D

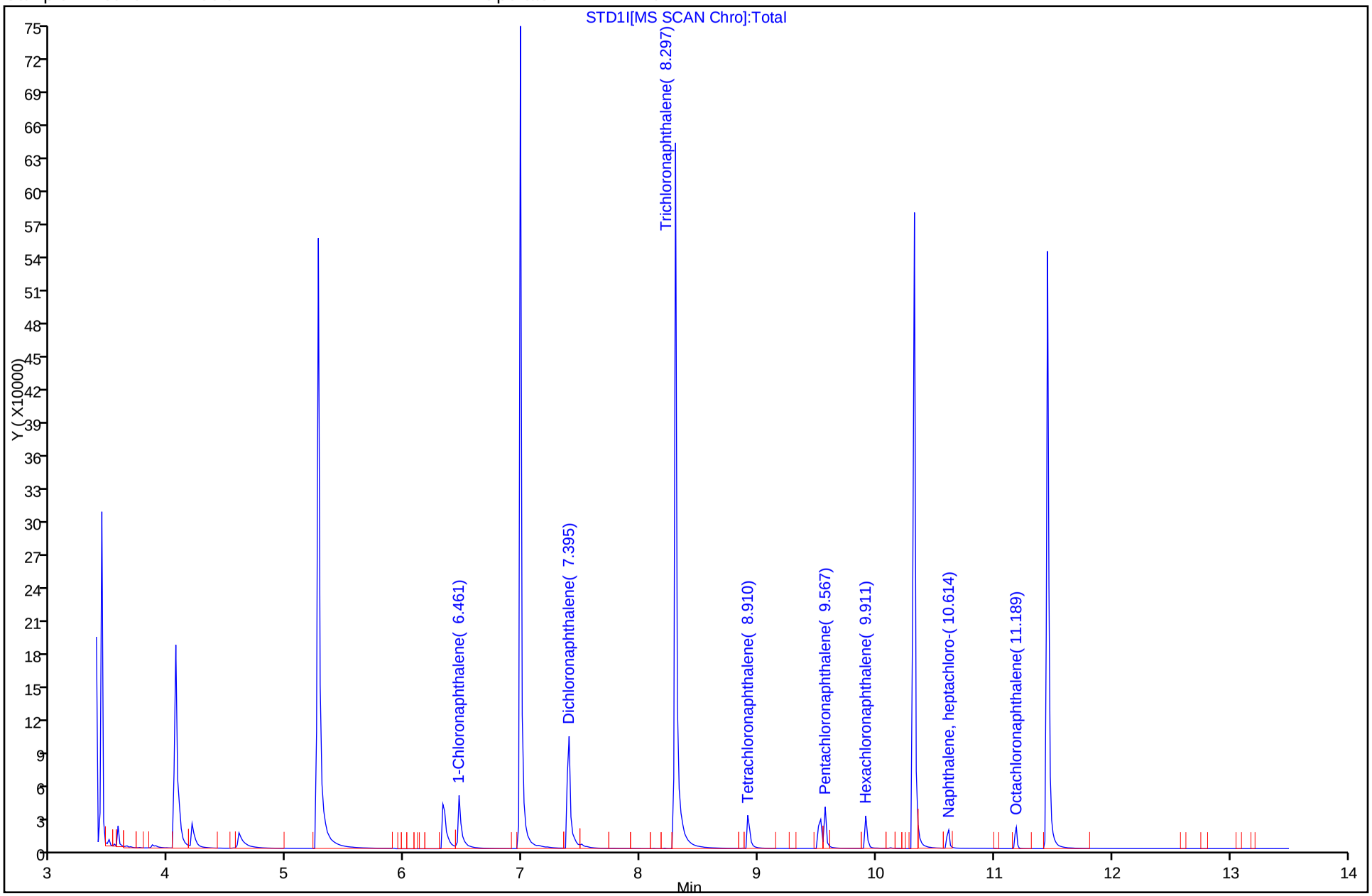
Inj Date: 16-Jul-2010 14:21:30 Limit Group: MSBNA_SIM_H_ICAL

Lims Batch ID: 89756 Lims Sample ID: 3

Client ID: Instrument: CMS01

Sample Info: STD1

Sample Amount: 1.00 ul Operator: JAB



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\chi-svr07\chromdata\CMS01\20100716-698.b\STD2H.D		
Lims ID:	std2h	Client ID:	
Inject. Date:	16-Jul-2010 14:42:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	3
Sample ID:	STD2		
Misc. Info.:	500-0000698-004		
Operator:	JAB	Instrument ID:	CMS01
Vol. Injected:	1.0000	ALS Bottle#:	5
Lims Batch ID:	89756	Lims Sample ID:	4
Sublist:	chrom-1-HALO*sub4		
Detector:	MS SCAN		
Method:	\\chi-svr07\chromdata\CMS01\20100716-698.b\1-HALO.m		
Last Update:	19-Jul-2010 11:07:42	Calib Date:	16-Jul-2010 17:03:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\chi-svr07\chromdata\CMS01\20100716-698.b\STD20A.D		
Limit Group:	MSBNA_SIM_H_ICAL		
Integrator:	RTE		
Process Host:	CHI-MS-SM1A		
Reviewed By:	bergenj	Date:	16-Jul-2010 17:13:07
Reviewed By:	bergenj	Date:	16-Jul-2010 17:13:39

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ng/uL	Flags
* 2 1,4-Dichlorobenzene-d4	152	4.074	4.334	-0.260	242264	8.00	
$ 13 Nitrobenzene-d5	82	4.579	4.564	0.015	82080	2.16	
* 12 Naphthalene-d8	136	5.268	5.298	-0.030	942948	8.00	
$ 6 2-Fluorobiphenyl	172	6.324	6.324	0.000	176477	2.08	
5 1-Chloronaphthalene	162	6.461	6.461	0.000	156651	2.11	
* 7 Acenaphthene-d10	164	6.982	6.966	0.016	492482	8.00	
9 Dichloronaphthalene	196	7.379	7.379	0.000	280405	2.13	
20 Trichloronaphthalene	232	8.282	8.282	0.000	61724	1.84	
* 17 Phenanthrene-d10	188	8.298	8.282	0.016	847323	8.00	
19 Tetrachloronaphthalene	266	8.910	8.910	0.000	82383	2.01	
$ 18 Terphenyl-d14	244	9.510	9.510	0.000	136808	2.02	
16 Pentachloronaphthalene	300	9.567	9.567	0.000	57103	2.54	
10 Hexachloronaphthalene	334	9.911	9.911	0.000	53855	2.17	
* 8 Chrysene-d12	240	10.324	10.308	0.016	650924	8.00	
11 Naphthalene, heptachloro-	368	10.599	10.599	0.000	23702	2.11	
14 Octachloronaphthalene	402	11.177	11.166	0.011	21172	2.00	
* 1 Perylene-d12	264	11.453	11.453	0.000	637708	8.00	

Report Date: 19-Jul-2010 11:07:44 Chrom Revision: 1.2 25-May-2010 11:47:28

Data File: \\chi-svr07\chromdata\CMS01\20100716-698.b\STD2H.D

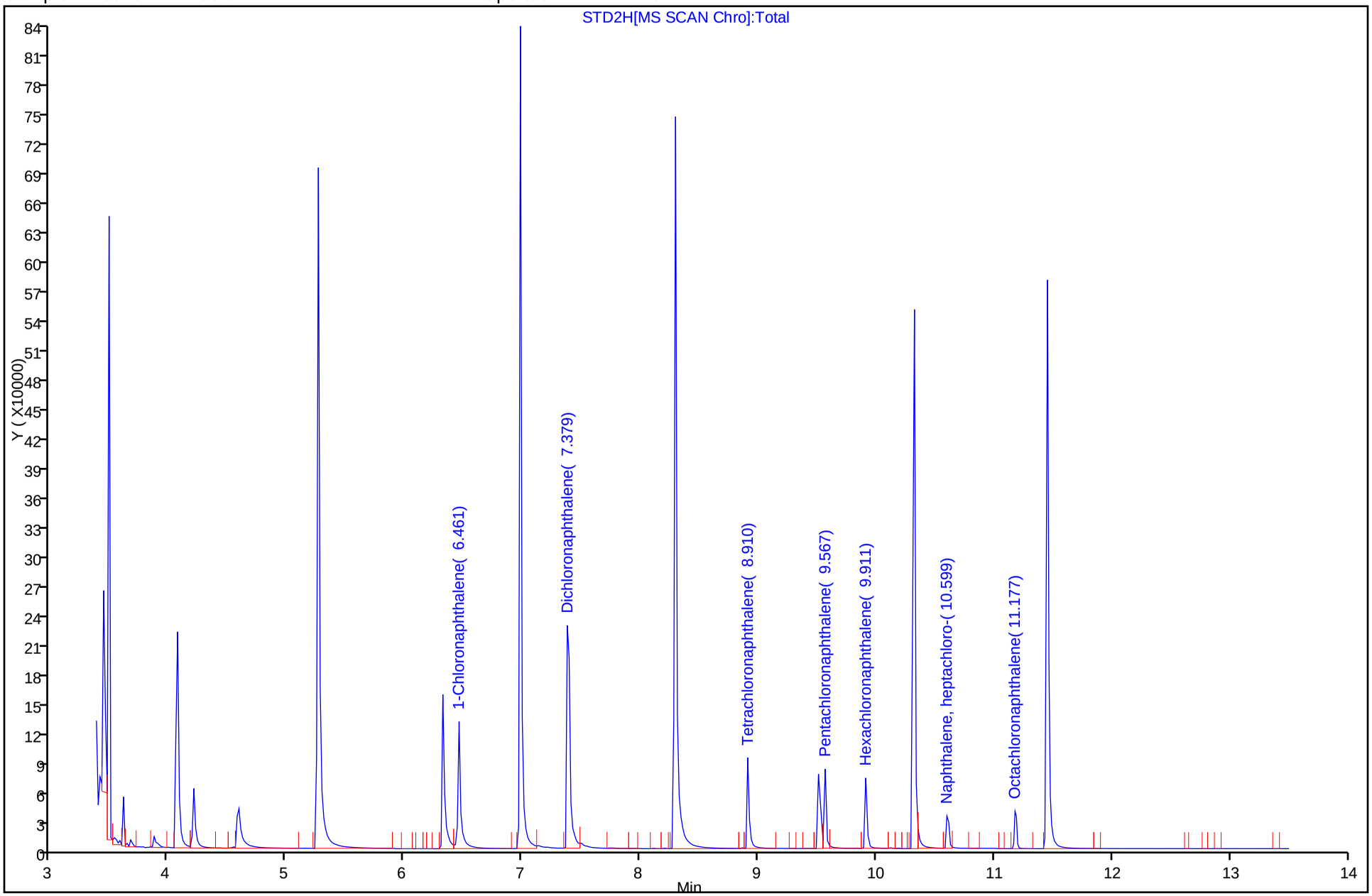
Inj Date: 16-Jul-2010 14:42:30 Limit Group: MSBNA_SIM_H_ICAL

Lims Batch ID: 89756 Lims Sample ID: 4

Client ID: Instrument: CMS01

Sample Info: STD2

Sample Amount: 1.00 ul Operator: JAB



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\chi-svr07\chromdata\CMS01\20100716-698.b\STD4G.D		
Lims ID:	std4g	Client ID:	
Inject. Date:	16-Jul-2010 15:02:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	4
Sample ID:	STD4		
Misc. Info.:	500-0000698-005		
Operator:	JAB	Instrument ID:	CMS01
Vol. Injected:	1.0000	ALS Bottle#:	6
Lims Batch ID:	89756	Lims Sample ID:	5
Sublist:	chrom-1-HALO*sub4		
Detector:	MS SCAN		
Method:	\\chi-svr07\chromdata\CMS01\20100716-698.b\1-HALO.m		
Last Update:	19-Jul-2010 11:07:42	Calib Date:	16-Jul-2010 17:03:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\chi-svr07\chromdata\CMS01\20100716-698.b\STD20A.D		
Limit Group:	MSBNA_SIM_H_ICAL		
Integrator:	RTE		
Process Host:	CHI-MS-SM1A		
Reviewed By:	bergenj	Date:	16-Jul-2010 17:12:54

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ng/uL	Flags
* 2 1,4-Dichlorobenzene-d4	152	4.089	4.334	-0.245	240259	8.00	
$ 13 Nitrobenzene-d5	82	4.594	4.564	0.030	145434	3.41	
* 12 Naphthalene-d8	136	5.268	5.298	-0.030	1060235	8.00	
$ 6 2-Fluorobiphenyl	172	6.324	6.324	0.000	373852	4.06	
5 1-Chloronaphthalene	162	6.461	6.461	0.000	308392	3.82	
* 7 Acenaphthene-d10	164	6.982	6.966	0.016	534340	8.00	
9 Dichloronaphthalene	196	7.379	7.379	0.000	600969	4.21	
20 Trichloronaphthalene	232	8.282	8.282	0.000	133627	3.66	
* 17 Phenanthrene-d10	188	8.298	8.282	0.016	923491	8.00	
19 Tetrachloronaphthalene	266	8.910	8.910	0.000	188213	4.22	
$ 18 Terphenyl-d14	244	9.510	9.510	0.000	354881	4.24	
16 Pentachloronaphthalene	300	9.567	9.567	0.000	108886	3.92	
10 Hexachloronaphthalene	334	9.911	9.911	0.000	131937	4.30	
* 8 Chrysene-d12	240	10.308	10.308	0.000	804300	8.00	
11 Naphthalene, heptachloro-	368	10.599	10.599	0.000	53027	3.82	
14 Octachloronaphthalene	402	11.166	11.166	0.000	40454	4.06	
* 1 Perylene-d12	264	11.442	11.453	-0.011	600823	8.00	

Report Date: 19-Jul-2010 11:07:44 Chrom Revision: 1.2 25-May-2010 11:47:28

Data File: \\chi-svr07\chromdata\CMS01\20100716-698.b\STD4G.D

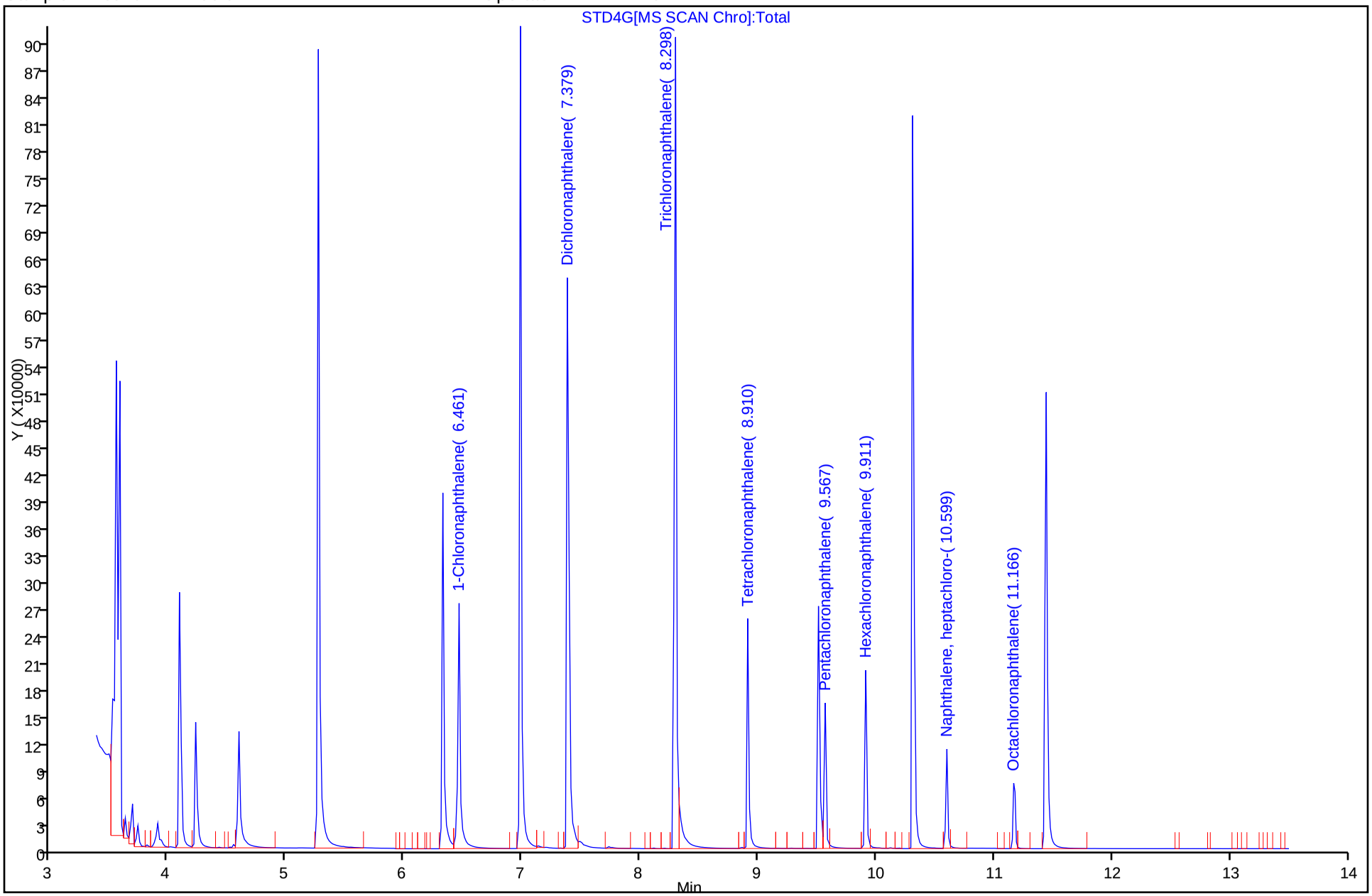
Inj Date: 16-Jul-2010 15:02:30 Limit Group: MSBNA_SIM_H_ICAL

Lims Batch ID: 89756 Lims Sample ID: 5

Client ID: Instrument: CMS01

Sample Info: STD4

Sample Amount: 1.00 ul Operator: JAB



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\chi-svr07\chromdata\CMS01\20100716-698.b\STD5F.D		
Lims ID:	std5f	Client ID:	
Inject. Date:	16-Jul-2010 15:22:30	Dil. Factor:	1.0000
Sample Type:	ICIS, ICal ISTD Check	Calib Level:	5
Sample ID:	STD5		
Misc. Info.:	500-0000698-006		
Operator:	JAB	Instrument ID:	CMS01
Vol. Injected:	1.0000	ALS Bottle#:	7
Lims Batch ID:	89756	Lims Sample ID:	6
Sublist:	chrom-1-HALO*sub4		
Detector:	MS SCAN		
Method:	\\chi-svr07\chromdata\CMS01\20100716-698.b\1-HALO.m		
Last Update:	19-Jul-2010 11:07:42	Calib Date:	16-Jul-2010 17:03:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\chi-svr07\chromdata\CMS01\20100716-698.b\STD20A.D		
Limit Group:	MSBNA_SIM_H_ICAL		
Integrator:	RTE		
Process Host:	CHI-MS-SM1A		
Reviewed By:	bergenj	Date:	16-Jul-2010 17:12:41
Reviewed By:	bergenj	Date:	16-Jul-2010 17:13:51

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ng/uL	Flags
* 2 1,4-Dichlorobenzene-d4	152	4.120	4.334	-0.214	262776	8.00	
$ 13 Nitrobenzene-d5	82	4.594	4.564	0.030	230618	5.01	
* 12 Naphthalene-d8	136	5.268	5.298	-0.030	1143320	8.00	
$ 6 2-Fluorobiphenyl	172	6.324	6.324	0.000	485461	4.54	
5 1-Chloronaphthalene	162	6.461	6.461	0.000	414334	4.42	
* 7 Acenaphthene-d10	164	6.982	6.966	0.016	620305	8.00	
9 Dichloronaphthalene	196	7.379	7.379	0.000	862677	5.20	
20 Trichloronaphthalene	232	8.282	8.282	0.000	202974	5.40	
* 17 Phenanthrene-d10	188	8.298	8.282	0.016	949742	8.00	
19 Tetrachloronaphthalene	266	8.910	8.910	0.000	257388	5.62	
$ 18 Terphenyl-d14	244	9.510	9.510	0.000	553769	4.67	
16 Pentachloronaphthalene	300	9.567	9.567	0.000	124815	3.17	
10 Hexachloronaphthalene	334	9.911	9.911	0.000	182507	4.19	
* 8 Chrysene-d12	240	10.308	10.308	0.000	1140251	8.00	
11 Naphthalene, heptachloro-	368	10.584	10.599	-0.015	69738	3.55	
14 Octachloronaphthalene	402	11.166	11.166	0.000	65807	5.22	
* 1 Perylene-d12	264	11.430	11.453	-0.023	760966	8.00	

Report Date: 19-Jul-2010 11:07:45 Chrom Revision: 1.2 25-May-2010 11:47:28

Data File: \\chi-svr07\chromdata\CMS01\20100716-698.b\STD5F.D

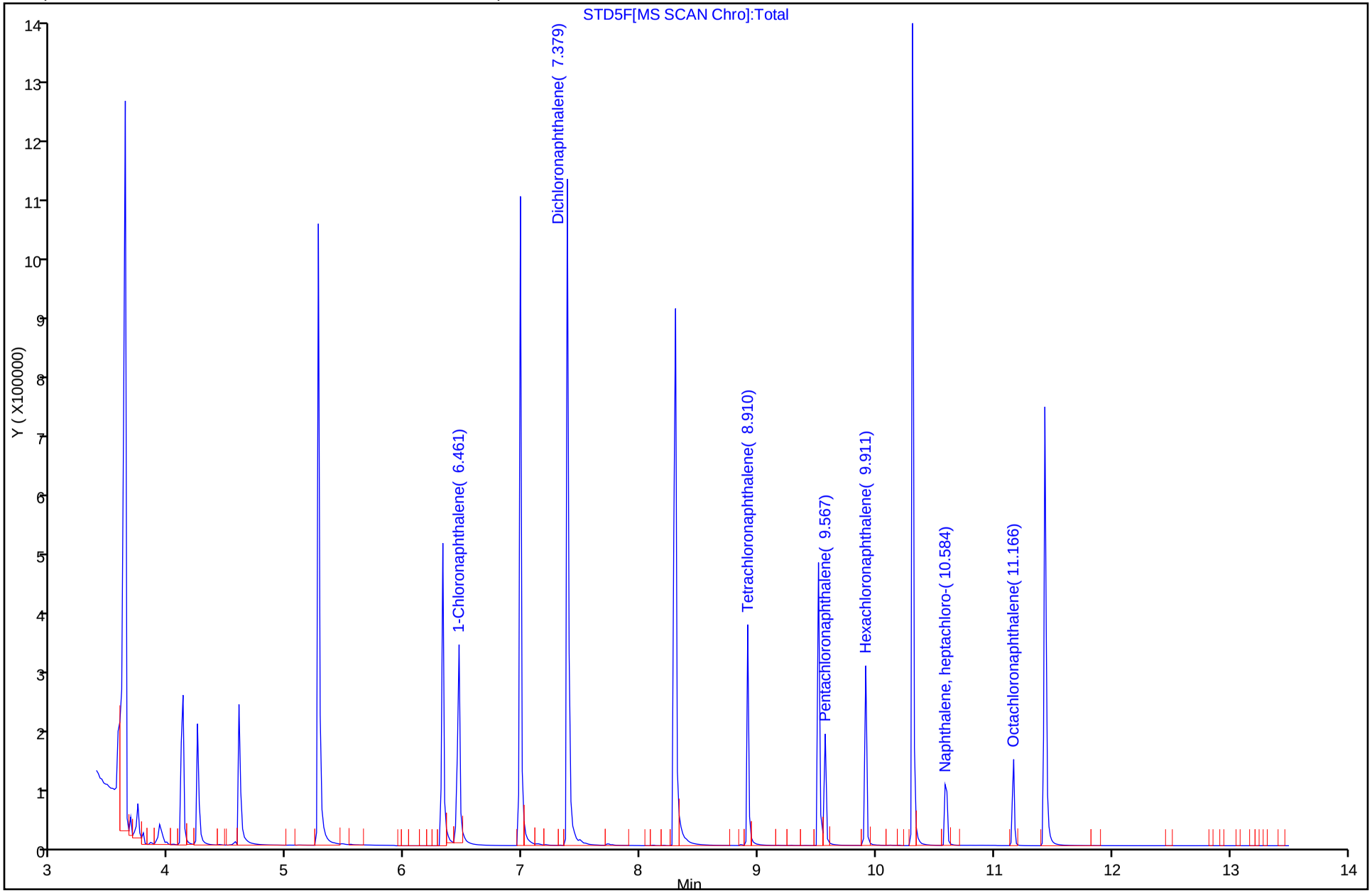
Inj Date: 16-Jul-2010 15:22:30 Limit Group: MSBNA_SIM_H_ICAL

Lims Batch ID: 89756 Lims Sample ID: 6

Client ID: Instrument: CMS01

Sample Info: STD5

Sample Amount: 1.00 ul Operator: JAB



TestAmerica Laboratories
Target Compound Quantitation Report

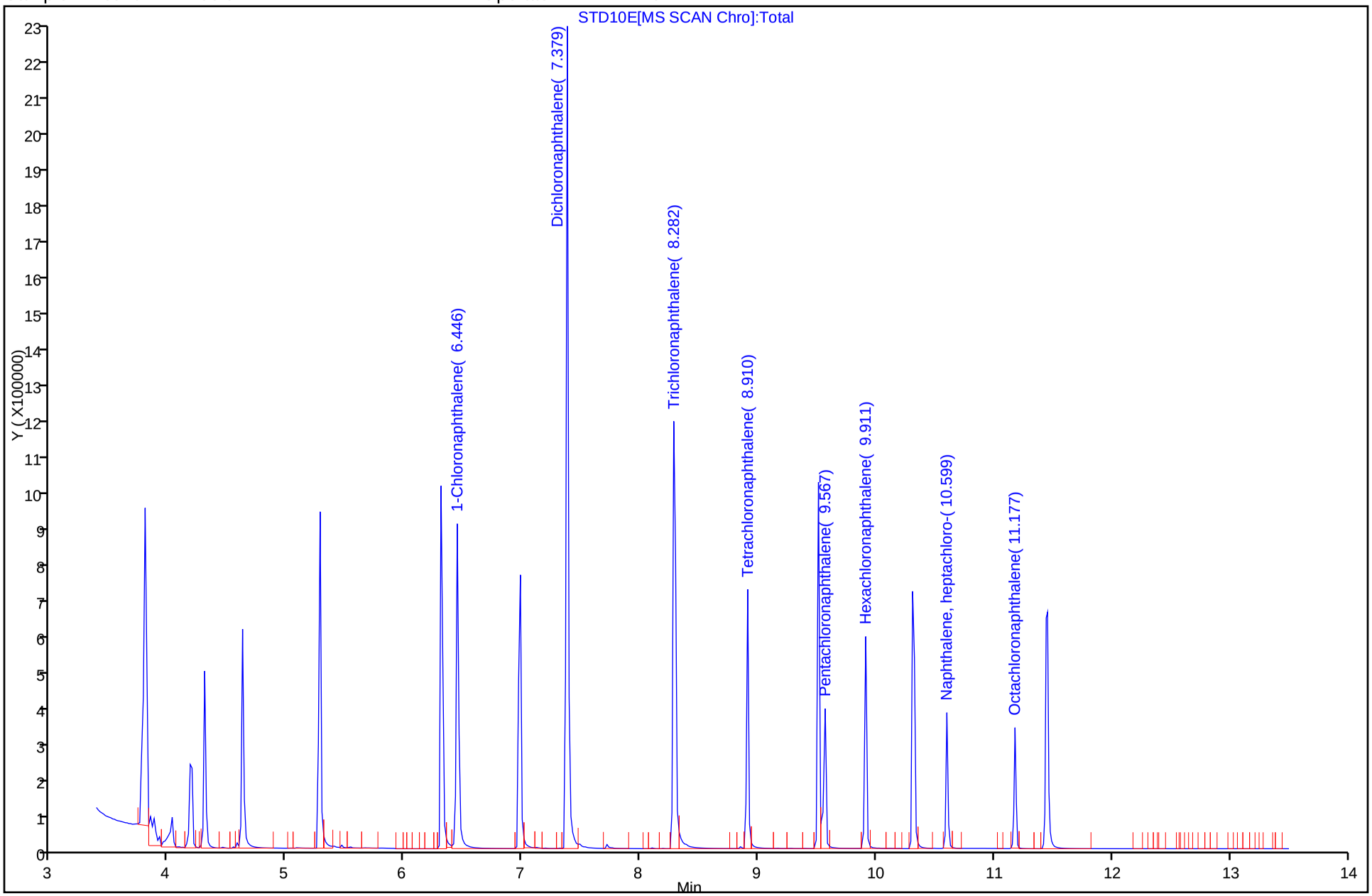
Data File:	\\chi-svr07\chromdata\CMS01\20100716-698.b\STD10E.D		
Lims ID:	std10e	Client ID:	
Inject. Date:	16-Jul-2010 15:42:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	6
Sample ID:	STD10		
Misc. Info.:	500-0000698-007		
Operator:	JAB	Instrument ID:	CMS01
Vol. Injected:	1.0000	ALS Bottle#:	8
Lims Batch ID:	89756	Lims Sample ID:	7
Sublist:	chrom-1-HALO*sub4		
Detector:	MS SCAN		
Method:	\\chi-svr07\chromdata\CMS01\20100716-698.b\1-HALO.m		
Last Update:	19-Jul-2010 11:07:42	Calib Date:	16-Jul-2010 17:03:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\chi-svr07\chromdata\CMS01\20100716-698.b\STD20A.D		
Limit Group:	MSBNA_SIM_H_ICAL		
Integrator:	RTE		
Process Host:	CHI-MS-SM1A		
Reviewed By:	bergenj	Date:	16-Jul-2010 17:14:03

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ng/uL	Flags
* 2 1,4-Dichlorobenzene-d4	152	4.196	4.334	-0.138	295759	8.00	
$ 13 Nitrobenzene-d5	82	4.625	4.564	0.061	525939	11.6	
* 12 Naphthalene-d8	136	5.283	5.298	-0.015	1123237	8.00	
$ 6 2-Fluorobiphenyl	172	6.308	6.324	-0.016	1099088	10.0	
5 1-Chloronaphthalene	162	6.446	6.461	-0.015	1000657	10.4	
* 7 Acenaphthene-d10	164	6.981	6.966	0.015	634646	8.00	
9 Dichloronaphthalene	196	7.379	7.379	0.000	1830738	10.8	
20 Trichloronaphthalene	232	8.282	8.282	0.000	437180	10.4	
* 17 Phenanthrene-d10	188	8.297	8.282	0.015	1060955	8.00	
19 Tetrachloronaphthalene	266	8.910	8.910	0.000	558653	10.9	
$ 18 Terphenyl-d14	244	9.510	9.510	0.000	1189362	11.9	
16 Pentachloronaphthalene	300	9.567	9.567	0.000	299410	9.01	
10 Hexachloronaphthalene	334	9.911	9.911	0.000	402828	11.0	
* 8 Chrysene-d12	240	10.308	10.308	0.000	961550	8.00	
11 Naphthalene, heptachloro-	368	10.599	10.599	0.000	192279	11.6	
14 Octachloronaphthalene	402	11.177	11.166	0.011	152071	10.1	
* 1 Perylene-d12	264	11.453	11.453	0.000	911183	8.00	

Report Date: 19-Jul-2010 11:07:45 Chrom Revision: 1.2 25-May-2010 11:47:28

Data File: \\chi-svr07\chromdata\CMS01\20100716-698.b\STD10E.D

Inj Date:	16-Jul-2010 15:42:30	Limit Group:	MSBNA_SIM_H_ICAL
Lims Batch ID:	89756	Lims Sample ID:	7
Client ID:		Instrument:	CMS01
Sample Info:	STD10		
Sample Amount:	1.00 ul	Operator:	JAB



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\chi-svr07\chromdata\CMS01\20100716-698.b\STD15D.D		
Lims ID:	std15d	Client ID:	
Inject. Date:	16-Jul-2010 16:02:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	7
Sample ID:	STD15		
Misc. Info.:	500-0000698-008		
Operator:	JAB	Instrument ID:	CMS01
Vol. Injected:	1.0000	ALS Bottle#:	9
Lims Batch ID:	89756	Lims Sample ID:	8
Sublist:	chrom-1-HALO*sub4		
Detector:	MS SCAN		
Method:	\\chi-svr07\chromdata\CMS01\20100716-698.b\1-HALO.m		
Last Update:	19-Jul-2010 11:07:42	Calib Date:	16-Jul-2010 17:03:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\chi-svr07\chromdata\CMS01\20100716-698.b\STD20A.D		
Limit Group:	MSBNA_SIM_H_ICAL		
Integrator:	RTE		
Process Host:	CHI-MS-SM1A		
Reviewed By:	bergenj	Date:	16-Jul-2010 17:14:23

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ng/uL	Flags
* 2 1,4-Dichlorobenzene-d4	152	4.043	4.334	-0.291	268506	8.00	
$ 13 Nitrobenzene-d5	82	4.579	4.564	0.015	506531	13.1	
* 12 Naphthalene-d8	136	5.268	5.298	-0.030	963700	8.00	
$ 6 2-Fluorobiphenyl	172	6.324	6.324	0.000	1256565	14.0	
5 1-Chloronaphthalene	162	6.461	6.461	0.000	1162344	14.7	
* 7 Acenaphthene-d10	164	6.982	6.966	0.016	521685	8.00	
9 Dichloronaphthalene	196	7.379	7.379	0.000	1812723	13.0	
* 17 Phenanthrene-d10	188	8.298	8.282	0.016	914855	8.00	
19 Tetrachloronaphthalene	266	8.910	8.910	0.000	655284	14.8	
$ 18 Terphenyl-d14	244	9.510	9.510	0.000	1377484	16.3	
* 8 Chrysene-d12	240	10.308	10.308	0.000	811819	8.00	
14 Octachloronaphthalene	402	11.177	11.166	0.011	167218	14.4	
* 1 Perylene-d12	264	11.442	11.453	-0.011	702746	8.00	

Report Date: 19-Jul-2010 11:07:46 Chrom Revision: 1.2 25-May-2010 11:47:28

Data File: \\chi-svr07\chromdata\CMS01\20100716-698.b\STD15D.D

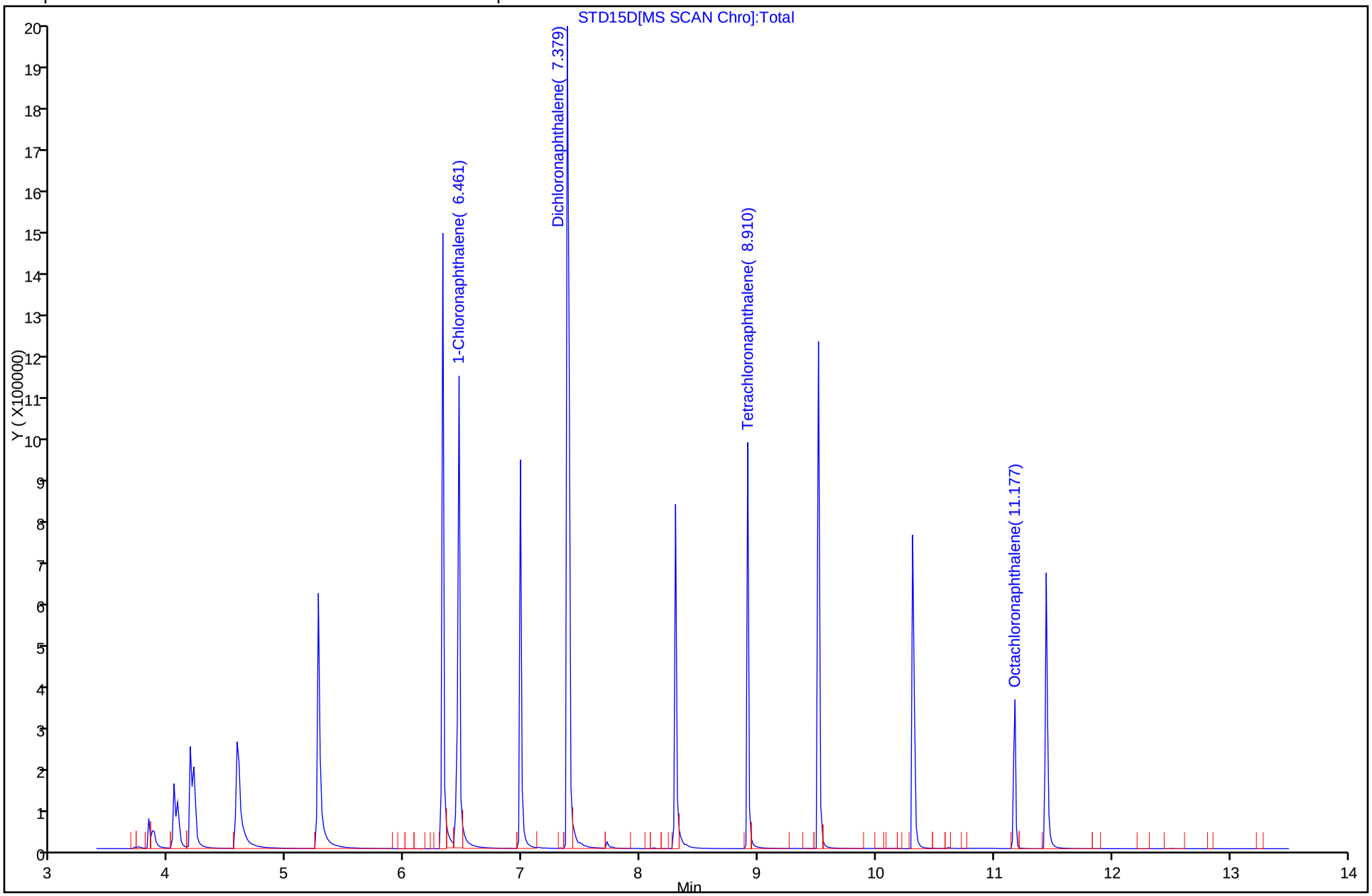
Inj Date: 16-Jul-2010 16:02:30 Limit Group: MSBNA_SIM_H_ICAL

Lims Batch ID: 89756 Lims Sample ID: 8

Client ID: Instrument: CMS01

Sample Info: STD15

Sample Amount: 1.00 ul Operator: JAB



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\chi-svr07\chromdata\CMS01\20100716-698.b\STD20C.D		
Lims ID:	std20c	Client ID:	
Inject. Date:	16-Jul-2010 16:22:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	8
Sample ID:	STD20		
Misc. Info.:	500-0000698-009		
Operator:	JAB	Instrument ID:	CMS01
Vol. Injected:	1.0000	ALS Bottle#:	10
Lims Batch ID:	89756	Lims Sample ID:	9
Sublist:	chrom-1-HALO*sub4		
Detector:	MS SCAN		
Method:	\\chi-svr07\chromdata\CMS01\20100716-698.b\1-HALO.m		
Last Update:	19-Jul-2010 11:07:42	Calib Date:	16-Jul-2010 17:03:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\chi-svr07\chromdata\CMS01\20100716-698.b\STD20A.D		
Limit Group:	MSBNA_SIM_H_ICAL		
Integrator:	RTE		
Process Host:	CHI-MS-SM1A		
Reviewed By:	bergenj	Date:	16-Jul-2010 17:14:36

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ng/uL	Flags
* 2 1,4-Dichlorobenzene-d4	152	4.043	4.334	-0.291	291431	8.00	
$ 13 Nitrobenzene-d5	82	4.564	4.564	0.000	776109	19.3	
* 12 Naphthalene-d8	136	5.268	5.298	-0.030	1000604	8.00	
$ 6 2-Fluorobiphenyl	172	6.324	6.324	0.000	1819973	18.4	
5 1-Chloronaphthalene	162	6.461	6.461	0.000	1623319	18.7	
* 7 Acenaphthene-d10	164	6.981	6.966	0.015	574759	8.00	
9 Dichloronaphthalene	196	7.379	7.379	0.000	2436024	15.9	
* 17 Phenanthrene-d10	188	8.297	8.282	0.015	984337	8.00	
19 Tetrachloronaphthalene	266	8.910	8.910	0.000	878529	18.5	
$ 18 Terphenyl-d14	244	9.510	9.510	0.000	1749614	17.7	
* 8 Chrysene-d12	240	10.308	10.308	0.000	951730	8.00	
14 Octachloronaphthalene	402	11.166	11.166	0.000	246032	18.8	
* 1 Perylene-d12	264	11.442	11.453	-0.011	789230	8.00	

Report Date: 19-Jul-2010 11:07:46 Chrom Revision: 1.2 25-May-2010 11:47:28

Data File: \\chi-svr07\chromdata\CMS01\20100716-698.b\STD20C.D

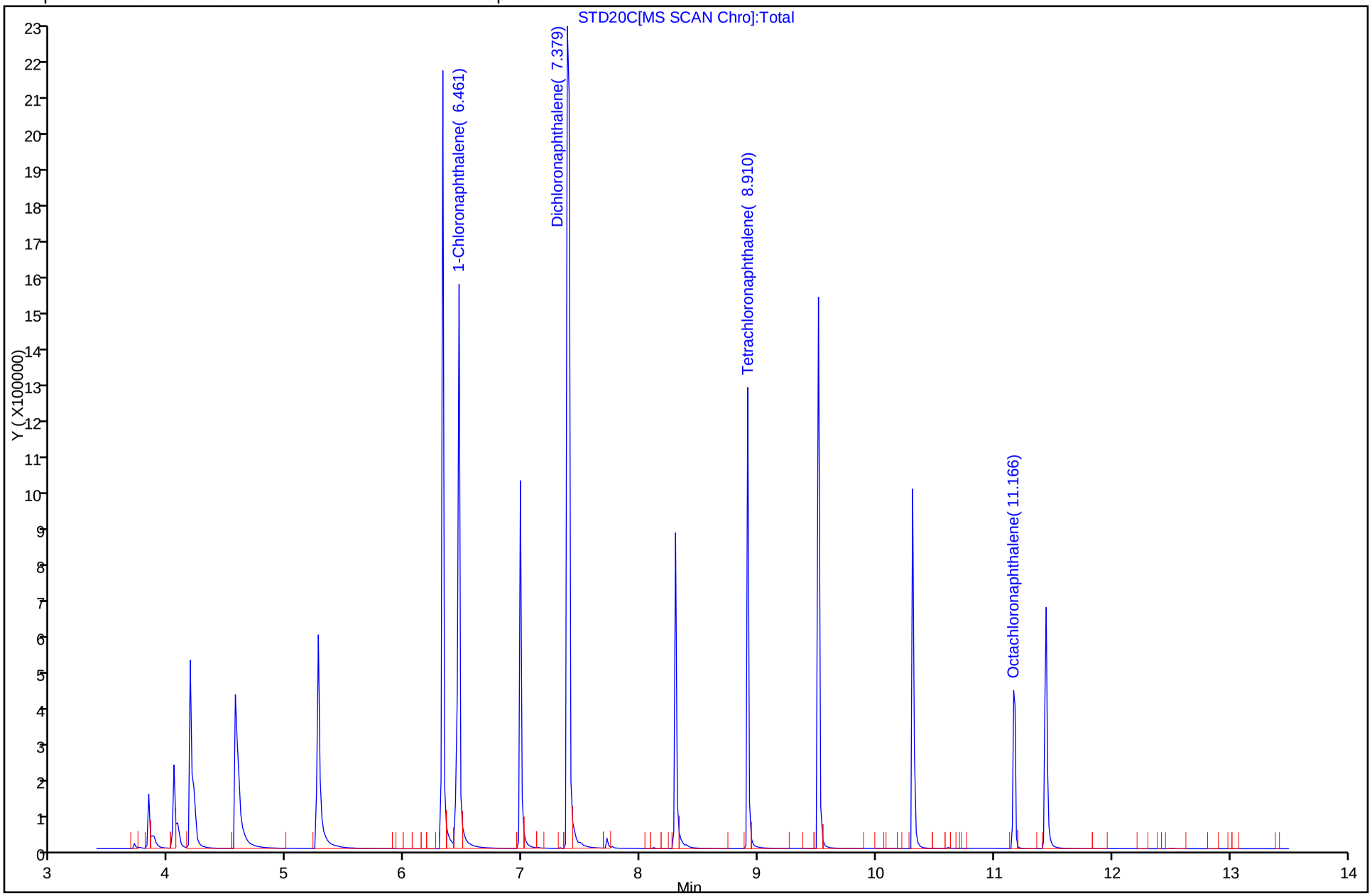
Inj Date: 16-Jul-2010 16:22:30 Limit Group: MSBNA_SIM_H_ICAL

Lims Batch ID: 89756 Lims Sample ID: 9

Client ID: Instrument: CMS01

Sample Info: STD20

Sample Amount: 1.00 ul Operator: JAB



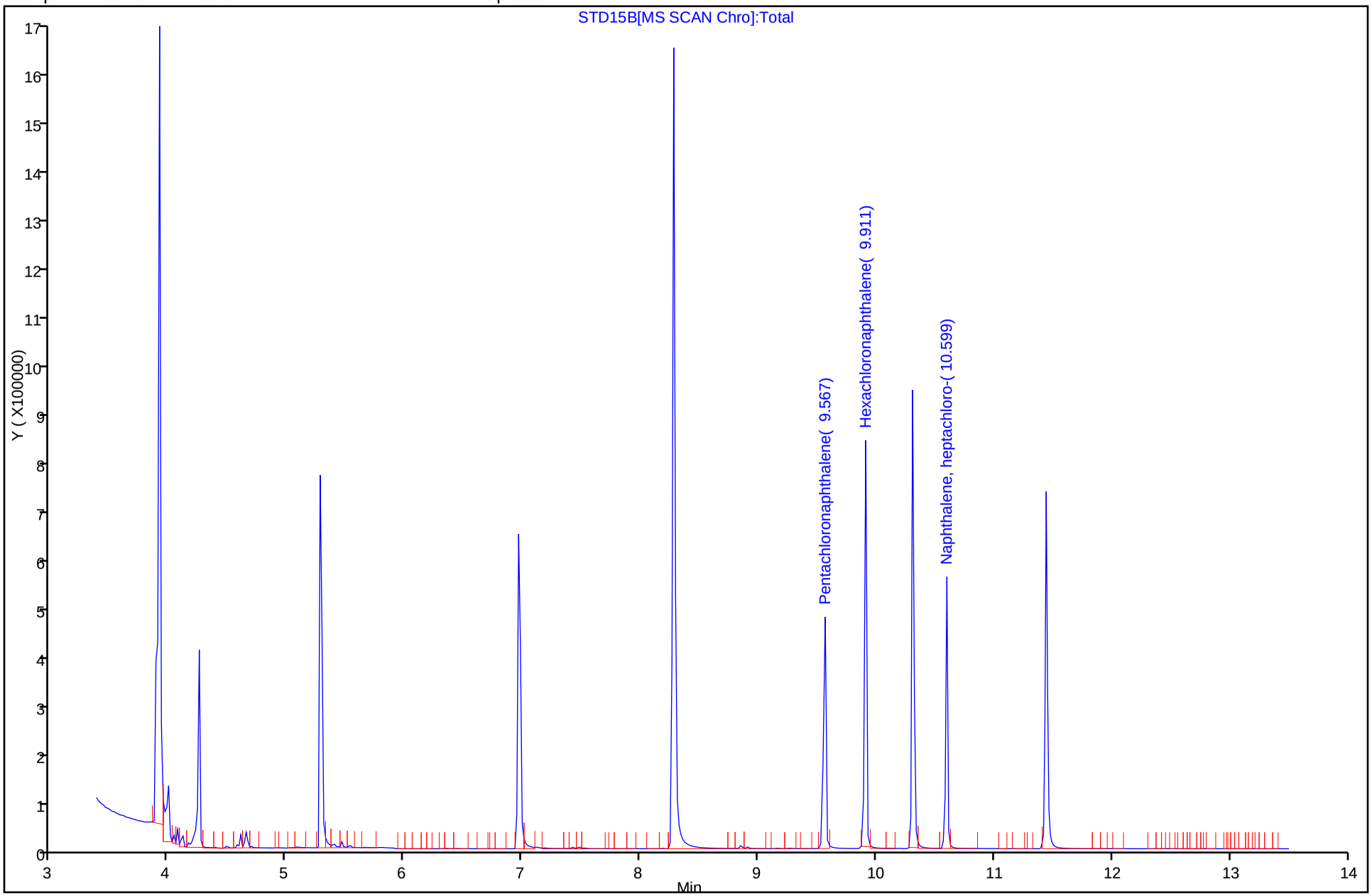
TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\chi-svr07\chromdata\CMS01\20100716-698.b\STD15B.D		
Lims ID:	std15b	Client ID:	
Inject. Date:	16-Jul-2010 16:42:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	9
Sample ID:	STD15		
Misc. Info.:	500-0000698-010		
Operator:	JAB	Instrument ID:	CMS01
Vol. Injected:	1.0000	ALS Bottle#:	11
Lims Batch ID:	89756	Lims Sample ID:	10
Sublist:	chrom-1-HALO*sub4		
Detector:	MS SCAN		
Method:	\\chi-svr07\chromdata\CMS01\20100716-698.b\1-HALO.m		
Last Update:	19-Jul-2010 11:07:42	Calib Date:	16-Jul-2010 17:03:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\chi-svr07\chromdata\CMS01\20100716-698.b\STD20A.D		
Limit Group:	MSBNA_SIM_H_ICAL		
Integrator:	RTE		
Process Host:	CHI-MS-SM1A		
Reviewed By:	bergenj	Date:	16-Jul-2010 17:14:49

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ng/uL	Flags
* 2 1,4-Dichlorobenzene-d4	152	4.258	4.334	-0.076	397848	8.00	
* 12 Naphthalene-d8	136	5.283	5.298	-0.015	1051636	8.00	
* 7 Acenaphthene-d10	164	6.966	6.966	0.000	557255	8.00	
20 Trichloronaphthalene	232	8.282	8.282	0.000	672946	17.4	
* 17 Phenanthrene-d10	188	8.282	8.282	0.000	976301	8.00	
16 Pentachloronaphthalene	300	9.567	9.567	0.000	429629	12.7	
10 Hexachloronaphthalene	334	9.911	9.911	0.000	573588	15.3	
* 8 Chrysene-d12	240	10.308	10.308	0.000	981468	8.00	
11 Naphthalene, heptachloro-	368	10.599	10.599	0.000	283996	16.8	
* 1 Perylene-d12	264	11.442	11.453	-0.011	824108	8.00	

Report Date: 19-Jul-2010 11:07:47 Chrom Revision: 1.2 25-May-2010 11:47:28

Data File:	\\chi-svr07\chromdata\CMS01\20100716-698.b\STD15B.D		
Inj Date:	16-Jul-2010 16:42:30	Limit Group:	MSBNA_SIM_H_ICAL
Lims Batch ID:	89756	Lims Sample ID:	10
Client ID:		Instrument:	CMS01
Sample Info:	STD15		
Sample Amount:	1.00 ul	Operator:	JAB



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\chi-svr07\chromdata\CMS01\20100716-698.b\STD20A.D		
Lims ID:	std20a	Client ID:	
Inject. Date:	16-Jul-2010 17:03:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	10
Sample ID:	STD20		
Misc. Info.:	500-0000698-011		
Operator:	JAB	Instrument ID:	CMS01
Vol. Injected:	1.0000	ALS Bottle#:	12
Lims Batch ID:	89756	Lims Sample ID:	11
Sublist:	chrom-1-HALO*sub4		
Detector:	MS SCAN		
Method:	\\chi-svr07\chromdata\CMS01\20100716-698.b\1-HALO.m		
Last Update:	19-Jul-2010 11:07:42	Calib Date:	16-Jul-2010 16:42:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\chi-svr07\chromdata\CMS01\20100716-698.b\STD15B.D		
Limit Group:	MSBNA_SIM_H_ICAL		
Integrator:	RTE		
Process Host:	CHI-MS-SM1A		
Reviewed By:	bergenj	Date:	16-Jul-2010 17:22:18

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ng/uL	Flags
* 2 1,4-Dichlorobenzene-d4	152	4.334	4.334	0.000	385966	8.00	
* 12 Naphthalene-d8	136	5.298	5.298	0.000	1487429	8.00	
* 7 Acenaphthene-d10	164	6.966	6.966	0.000	617516	8.00	
20 Trichloronaphthalene	232	8.282	8.282	0.000	948264	22.6	5
* 17 Phenanthrene-d10	188	8.282	8.282	0.000	1061020	8.00	
16 Pentachloronaphthalene	300	9.567	9.567	0.000	610942	17.7	
10 Hexachloronaphthalene	334	9.911	9.911	0.000	808626	21.1	5
* 8 Chrysene-d12	240	10.308	10.308	0.000	1001614	8.00	
11 Naphthalene, heptachloro-	368	10.599	10.599	0.000	374688	21.7	5
* 1 Perylene-d12	264	11.453	11.453	0.000	949812	8.00	

QC Flag Legend

Processing Flags
5 - Exceeded Maximum Amount

Report Date: 19-Jul-2010 11:07:47 Chrom Revision: 1.2 25-May-2010 11:47:28

Data File: \\chi-svr07\chromdata\CMS01\20100716-698.b\STD20A.D

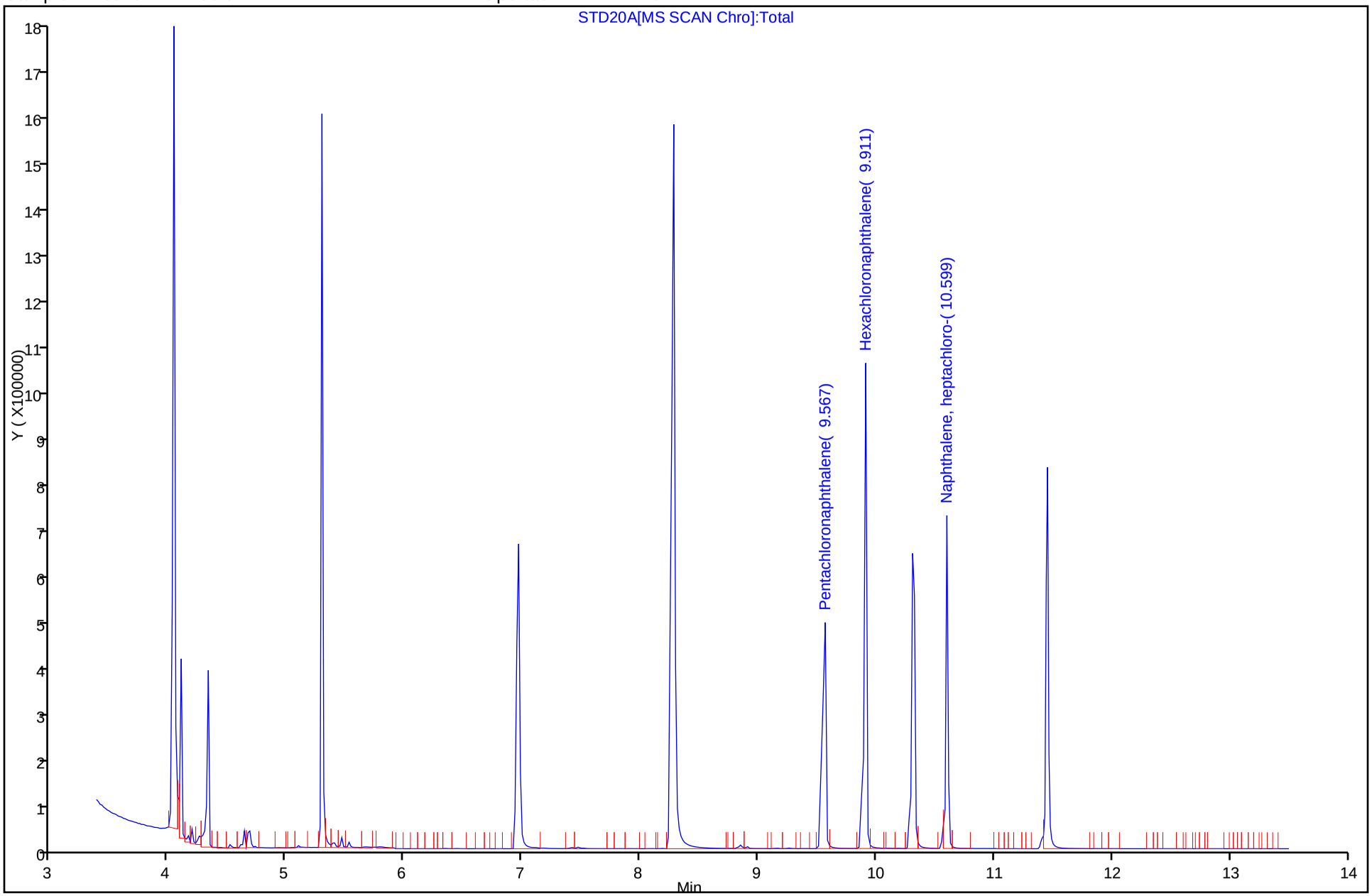
Inj Date: 16-Jul-2010 17:03:30 Limit Group: MSBNA_SIM_H_ICAL

Lims Batch ID: 89756 Lims Sample ID: 11

Client ID: Instrument: CMS01

Sample Info: STD20

Sample Amount: 1.00 ul Operator: JAB



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Chicago Job No.: 500-26466-1

SDG No.:

Lab Sample ID: CCV 500-89883/2 Calibration Date: 07/20/2010 09:25

Instrument ID: CMS01 Calib Start Date: 07/16/2010 14:01

GC Column: ZB5MS ID: 0.25(mm) Calib End Date: 07/16/2010 17:03

Lab File ID: 1CCV0720.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Monochloronaphthalene, Total	Ave	1.209	1.140	0.0100	4.72	5.00	-5.7	30.0
Dichloronaphthalene, Total	Ave	2.139	2.360	0.0100	5.52	5.00	10.3	30.0
Trichloronaphthalene, Total	Ave	0.3166	0.2900	0.0100	4.58	5.00	-8.4	30.0
Tetrachloronaphthalene, Total	Ave	0.3861	0.2928	0.0100	3.79	5.00	-24.2	30.0
Pentachloronaphthalene, Total	Ave	0.2764	0.2709	0.0100	4.90	5.00	-2.0	30.0
Hexachloronaphthalene, Total	Ave	0.3055	0.2007	0.0100	3.29	5.00	-34.3*	30.0
Heptachloronaphthalene, Total	Ave	0.1380	0.1516	0.0100	5.49	5.00	9.9	30.0
Octachloronaphthalene, Total	Ave	0.1327	0.1062	0.0100	4.00	5.00	-19.9	30.0
Nitrobenzene-d5	Ave	0.3221	0.3612	0.0100	5.61	5.00	12.1	30.0
2-Fluorobiphenyl	Ave	1.379	1.449	0.0100	5.25	5.00	5.1	30.0
Terphenyl-d14	Ave	0.8325	0.7291	0.0100	4.38	5.00	-12.4	30.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\chi-svr07\chromdata\CMS01\20100720-714.b\1CCV0720.D		
Lims ID:	ccv	Client ID:	
Inject. Date:	20-Jul-2010 09:25:30	Dil. Factor:	1.0000
Sample Type:	CCV, Cal Verification		
Sample ID:	CCV		
Misc. Info.:	500-0000714-002		
Operator:	JAB	Instrument ID:	CMS01
Vol. Injected:	1.0000	ALS Bottle#:	3
Lims Batch ID:	89883	Lims Sample ID:	2
Sublist:	chrom-1-HALO*sub4		
Detector:	MS SCAN		
Method:	\\chi-svr07\chromdata\CMS01\20100720-714.b\1-HALO.m		
Last Update:	20-Jul-2010 13:35:59	Calib Date:	16-Jul-2010 17:03:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\chi-svr07\chromdata\CMS01\20100716-698.b\STD20A.D		
Limit Group:	MSBNA_SIM_H_ICAL		
Integrator:	RTE		
Process Host:	CHI-MS-SM1A		
Reviewed By:	bergenj	Date:	20-Jul-2010 09:43:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ng/uL	Flags
* 2 1,4-Dichlorobenzene-d4	152	4.074	4.074	0.000	315532	8.00	
$ 13 Nitrobenzene-d5	82	4.564	4.564	0.000	263709	5.61	
* 12 Naphthalene-d8	136	5.252	5.252	0.000	1168225	8.00	
$ 6 2-Fluorobiphenyl	172	6.308	6.308	0.000	600484	5.25	
5 1-Chloronaphthalene	162	6.446	6.446	0.000	472480	4.72	
* 7 Acenaphthene-d10	164	6.966	6.966	0.000	663018	8.00	
9 Dichloronaphthalene	196	7.364	7.364	0.000	978118	5.52	
20 Trichloronaphthalene	232	8.282	8.282	0.000	217687	4.58	
* 17 Phenanthrene-d10	188	8.282	8.282	0.000	1201012	8.00	
19 Tetrachloronaphthalene	266	8.894	8.894	0.000	219789	3.79	
$ 18 Terphenyl-d14	244	9.510	9.510	0.000	384498	4.38	
16 Pentachloronaphthalene	300	9.548	9.548	0.000	142839	4.90	
10 Hexachloronaphthalene	334	9.911	9.911	0.000	105854	3.29	
* 8 Chrysene-d12	240	10.308	10.308	0.000	843756	8.00	
11 Naphthalene, heptachloro-	368	10.584	10.584	0.000	79954	5.49	
14 Octachloronaphthalene	402	11.166	11.166	0.000	49570	4.00	
* 1 Perylene-d12	264	11.430	11.430	0.000	746594	8.00	

Report Date: 20-Jul-2010 13:35:59 Chrom Revision: 1.2 25-May-2010 11:47:28

Data File: \\chi-svr07\chromdata\CMS01\20100720-714.b\1CCV0720.D

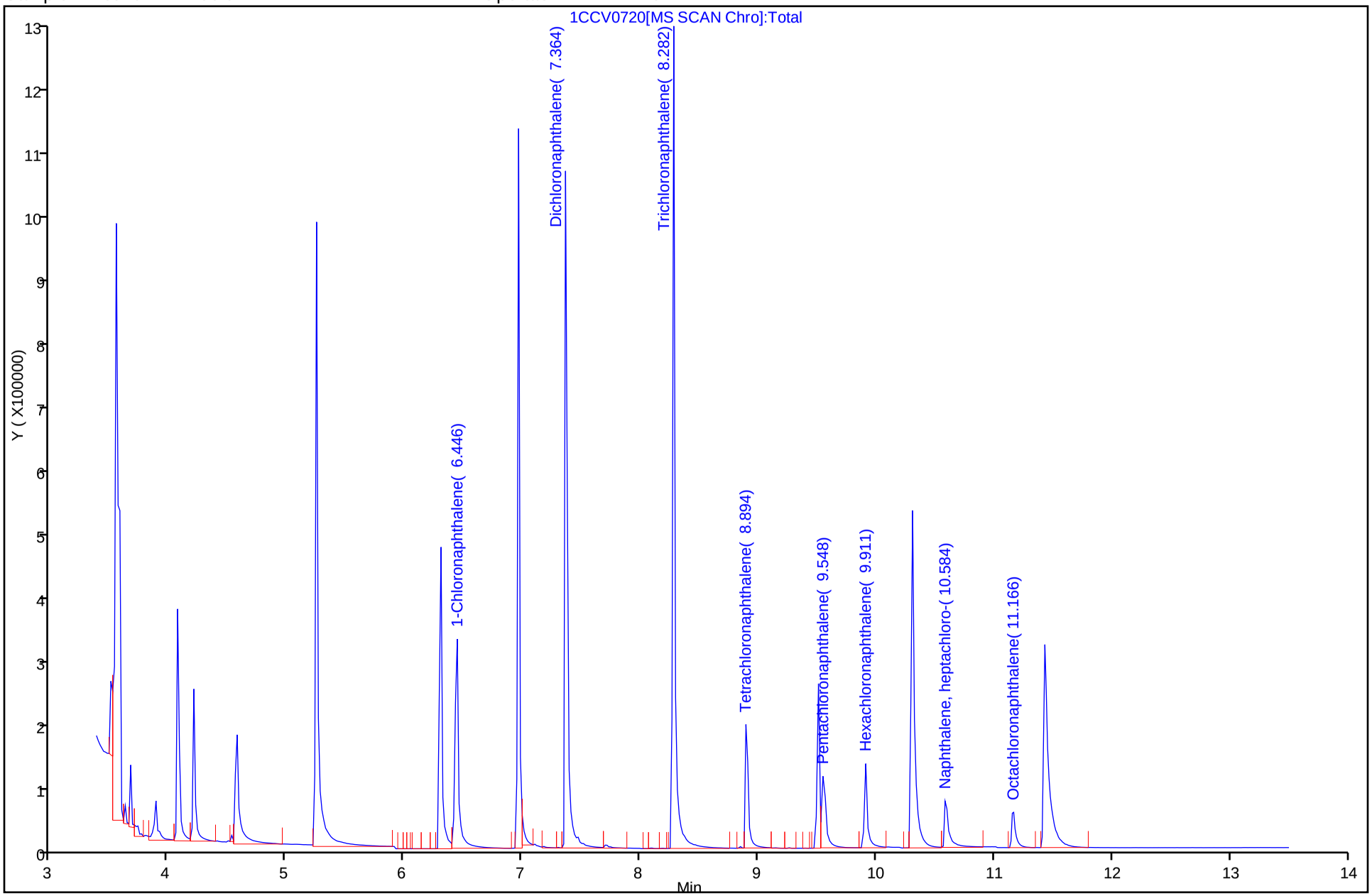
Inj Date: 20-Jul-2010 09:25:30 Limit Group: MSBNA_SIM_H_ICAL

Lims Batch ID: 89883 Lims Sample ID: 2

Client ID: Instrument: CMS01

Sample Info: CCV

Sample Amount: 1.00 ul Operator: JAB



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\chi-svr07\chromdata\CMS01\20100716-698.b\1D0716.D		
Lims ID:	dftpp	Client ID:	
Inject. Date:	16-Jul-2010 13:20:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	DFTPP		
Misc. Info.:	500-0000698-001		
Operator:	JAB	Instrument ID:	CMS01
Vol. Injected:	1.0000	ALS Bottle#:	1
Lims Batch ID:	89756	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\chi-svr07\chromdata\CMS01\20100716-698.b\1-HALO.m		
Last Update:	19-Jul-2010 11:07:42	Calib Date:	16-Jul-2010 17:03:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\chi-svr07\chromdata\CMS01\20100716-698.b\STD20A.D		
Limit Group:	MSBNA_SIM_H_ICAL		
Integrator:	RTE		
Process Host:	CHI-MS-SM1A		
Reviewed By:	bergenj	Date:	16-Jul-2010 14:21:20

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ng/uL	Flags
24 Pentachlorophenol	266	8.399	8.399	0.000	640983	0	
21 DFTPP							
25 Benzidine	184	9.586	9.586	0.000	3979300	0	
22 4,4'-DDT	235	10.200	10.200	0.000	2928590	0	

QC Flag Legend

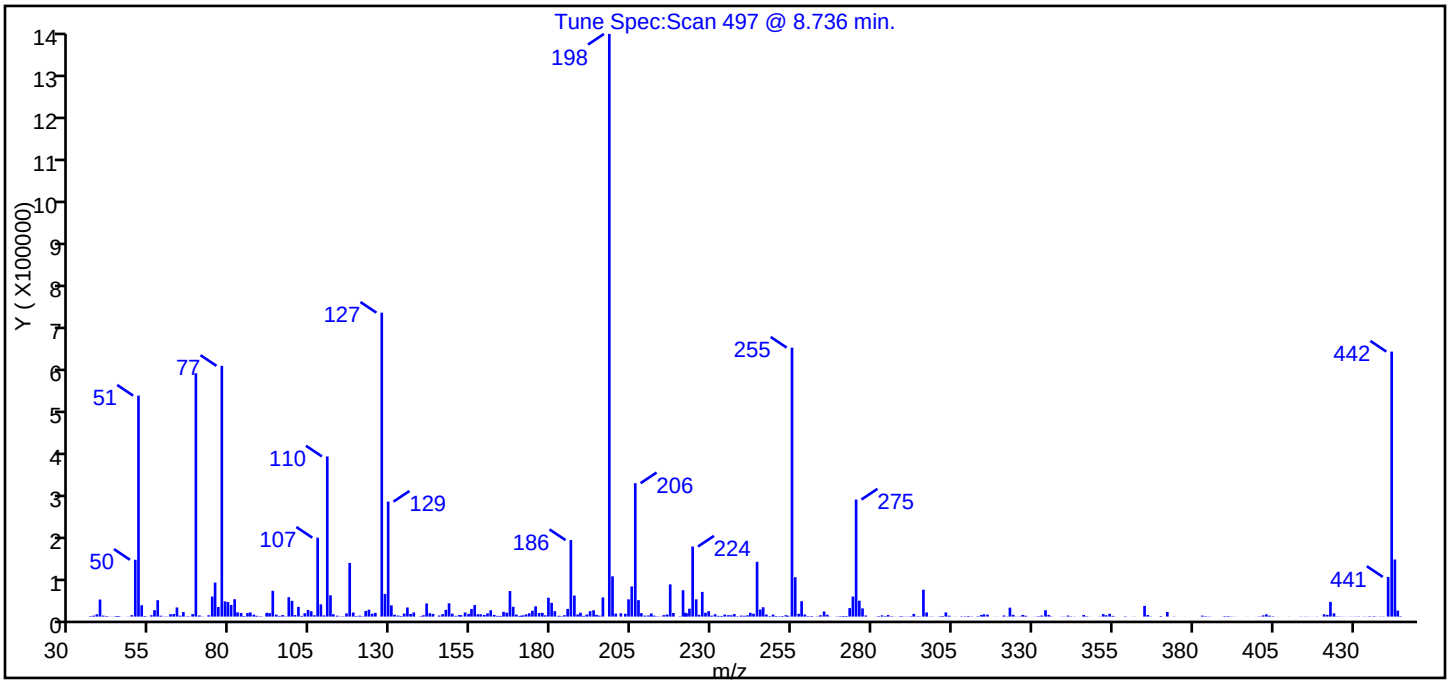
Review Flags
A - User Assigned ID

Chrom Revision: 1.2 25-May-2010 11:47:28

MS Tune Report

Data File:	\\chi-svr07\chromdata\CMS01\20100716-698.b\1D0716.D		
Inj Date:	16-Jul-2010 13:20:30	Limit Group:	MSBNA_SIM_H_ICAL
Lims Batch ID:	89756	Lims Sample ID:	1
Client ID:		Instrument:	CMS01
Sample Info:	DFTPP		
Sample Amount:	1.00 ul	Operator:	JAB
Tune Method:	DFTPP Method 8270		

21 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	37.92
68	Less than 2.00% of mass 69	0.43 (1.02)
69	Present	41.77
70	Less than 2.00% of mass 69	0.19 (0.45)
127	40.00 - 60.00% of mass 198	52.16
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	20.09
365	Greater than 1.00% of mass 198	1.84
441	0.01 - 100.00% of mass 443	6.81 (69.50)
442	Greater than 40.00% of mass 198	45.48
443	17.00 - 23.00% of mass 442	9.80 (21.55)

Data File: \\chi-svr07\chromdata\CMS01\20100716-698.b\1D0716.D\1-HALO.rslt\spectra.d
Injection Date: 16-Jul-2010 13:20:30
Spectrum: Tune Spec:Scan 497 @ 8.736 min.
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 363

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.10	1123	129.00	259712	223.00	17848	322.10	488
37.10	2145	130.00	25528	224.00	158272	323.00	20184
38.10	5167	131.00	4260	225.10	38976	324.00	4020
39.10	38576	132.10	2375	226.00	3996	325.00	471
40.10	2298	133.00	1358	227.00	55808	326.10	583
41.20	1292	134.00	6739	228.00	8770	327.00	3846
42.20	329	135.00	20624	229.00	12227	327.90	1934
43.10	336	136.00	6122	229.90	2219	328.70	212
44.10	1286	137.00	9377	231.00	5299	330.10	195
44.80	1277	139.20	998	232.00	1729	330.90	286
45.30	476	140.00	3045	233.00	1520	331.90	1069
47.10	166	141.00	29632	234.00	4561	332.90	2360
47.90	345	142.00	7617	235.10	3206	334.10	14574
49.00	3173	143.00	6053	236.00	3070	335.10	3815
50.10	128360	144.90	2490	237.00	5684	336.00	615
51.10	499200	146.00	5521	237.90	880	338.90	267
52.10	25632	147.00	15236	239.10	2264	339.80	503
53.10	1331	148.00	30000	240.10	1910	341.10	2295
54.00	175	149.00	6550	241.10	2774	342.00	679
55.10	3023	150.10	1798	242.00	8598	343.20	356
56.10	14568	151.20	3563	243.00	6568	344.90	187
57.10	37024	151.80	2929	244.10	123704	346.00	3671
58.10	1974	153.00	9243	245.10	16022	346.90	987
59.20	447	154.10	6068	246.00	21176	348.00	307
60.00	538	155.00	17200	247.00	4567	351.00	490
61.10	5361	156.00	26120	248.10	1227	352.10	5694
62.10	5878	157.00	5394	249.10	4590	353.00	3026
63.10	20632	157.90	5163	250.00	1251	354.10	6255
64.10	2092	159.00	3807	251.00	895	355.10	1637
65.10	10312	160.00	7331	252.00	1345	355.90	280
66.00	525	161.00	14393	253.10	3130	359.00	859
66.80	754	162.10	3739	253.80	1921	361.40	228
68.00	5609	163.10	1670	255.00	607680	361.90	230

Report Date: 19-Jul-2010 11:07:43 Chrom Revision: 1.2 25-May-2010 11:47:28
Data File: \\chi-svr07\chromdata\CMS01\20100716-698.b\1D0716.D\1-HALO.rslt\spectra.d
Injection Date: 16-Jul-2010 13:20:30
Spectrum: Tune Spec:Scan 497 @ 8.736 min.
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 363

m/z	Y	m/z	Y	m/z	Y	m/z	Y
69.00	549824	164.00	1495	256.00	88952	365.00	24264
70.10	2464	165.00	10826	257.10	6255	366.00	3642
71.10	480	166.00	8804	258.00	34800	366.90	571
73.00	2994	167.00	57680	259.00	4684	370.10	1198
74.10	45256	168.00	22120	260.00	1037	372.10	10399
75.00	76904	169.00	4563	261.10	1276	374.20	471
76.00	21632	170.00	1471	262.10	168	377.50	162
77.10	566464	170.60	2137	263.00	669	383.00	2159
78.10	34360	171.10	2625	263.90	3005	384.00	955
79.00	32808	172.00	4874	265.00	11546	384.70	313
80.00	26400	173.00	7553	266.00	4263	385.20	367
81.10	39248	174.00	13261	266.90	341	385.80	203
82.00	9576	175.00	23200	269.00	509	389.70	545
83.10	8266	176.10	8152	270.00	1078	390.20	815
84.00	1430	177.10	8495	271.00	1329	391.10	1143
85.10	7908	178.00	2913	271.90	1440	392.00	487
86.00	9506	179.00	42616	273.00	19224	393.10	323
87.10	4428	180.00	30952	274.00	45312	397.00	224
88.00	1835	181.00	12258	275.00	264448	399.80	224
89.10	813	182.20	1881	276.00	35872	400.90	681
89.80	312	183.00	1008	277.00	18560	402.00	2752
91.10	8510	184.00	3142	278.00	2491	403.00	5136
92.00	7985	185.00	17408	281.00	180	404.00	2155
93.00	58344	186.00	172864	282.00	1130	405.10	882
94.10	4254	187.10	47608	283.10	2799	406.50	221
95.10	1635	188.10	4764	284.10	1190	410.10	255
96.10	3508	189.00	8788	285.00	3564	413.70	506
97.00	666	190.00	1621	286.10	950	415.00	373
98.00	43888	191.00	4622	287.00	310	416.00	405
99.00	35632	192.00	12249	288.00	214	417.50	240
99.90	3408	193.10	14291	288.90	1140	418.70	404
101.00	22016	194.00	4089	289.80	603	421.00	5184
102.00	1683	194.90	2148	290.90	488	422.00	3906
103.00	7583	196.00	43272	292.10	955	423.00	33200

Report Date: 19-Jul-2010 11:07:43 Chrom Revision: 1.2 25-May-2010 11:47:28
Data File: \\chi-svr07\chromdata\CMS01\20100716-698.b\1D0716.D\1-HALO.rslt\spectra.d
Injection Date: 16-Jul-2010 13:20:30
Spectrum: Tune Spec:Scan 497 @ 8.736 min.
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 363

m/z	Y	m/z	Y	m/z	Y	m/z	Y
104.00	15021	198.00	1316352	293.00	6131	424.10	7420
105.00	12138	199.00	91000	294.10	670	425.10	572
106.00	3013	200.00	6727	294.80	736	425.60	227
107.00	178304	201.60	7409	296.00	60688	426.40	396
108.00	27632	203.00	6484	297.00	9442	427.20	152
109.00	2673	204.00	39032	298.10	423	428.00	237
110.00	361856	205.00	68088	299.00	367	429.20	224
111.00	48144	206.10	301376	301.10	874	429.70	185
111.90	5279	207.10	37144	302.00	1379	430.30	227
113.10	2088	208.00	7786	303.00	9524	430.90	369
114.20	570	209.10	2330	304.00	2055	431.80	518
115.00	713	210.20	2578	304.70	243	433.30	398
116.00	7194	211.10	7148	306.00	267	434.20	290
117.00	121216	212.00	2214	307.90	778	435.20	890
118.10	9204	213.00	713	309.00	800	436.50	836
119.00	1284	214.00	434	310.00	1367	437.00	492
120.10	2134	215.00	3391	311.10	568	438.40	520
121.00	715	216.00	4746	313.00	999	439.50	483
122.00	12773	217.00	72832	314.10	3696	441.00	89664
123.00	15677	218.00	8116	314.90	5228	442.10	598656
124.00	6445	220.00	716	316.00	4452	443.10	129008
125.00	8416	221.00	59736	318.00	199	444.00	13596
127.00	686592	221.70	8784	319.00	274	444.90	897
128.00	51192	222.10	7422	321.10	2559		

TestAmerica Laboratories
Target Compound Quantitation Report

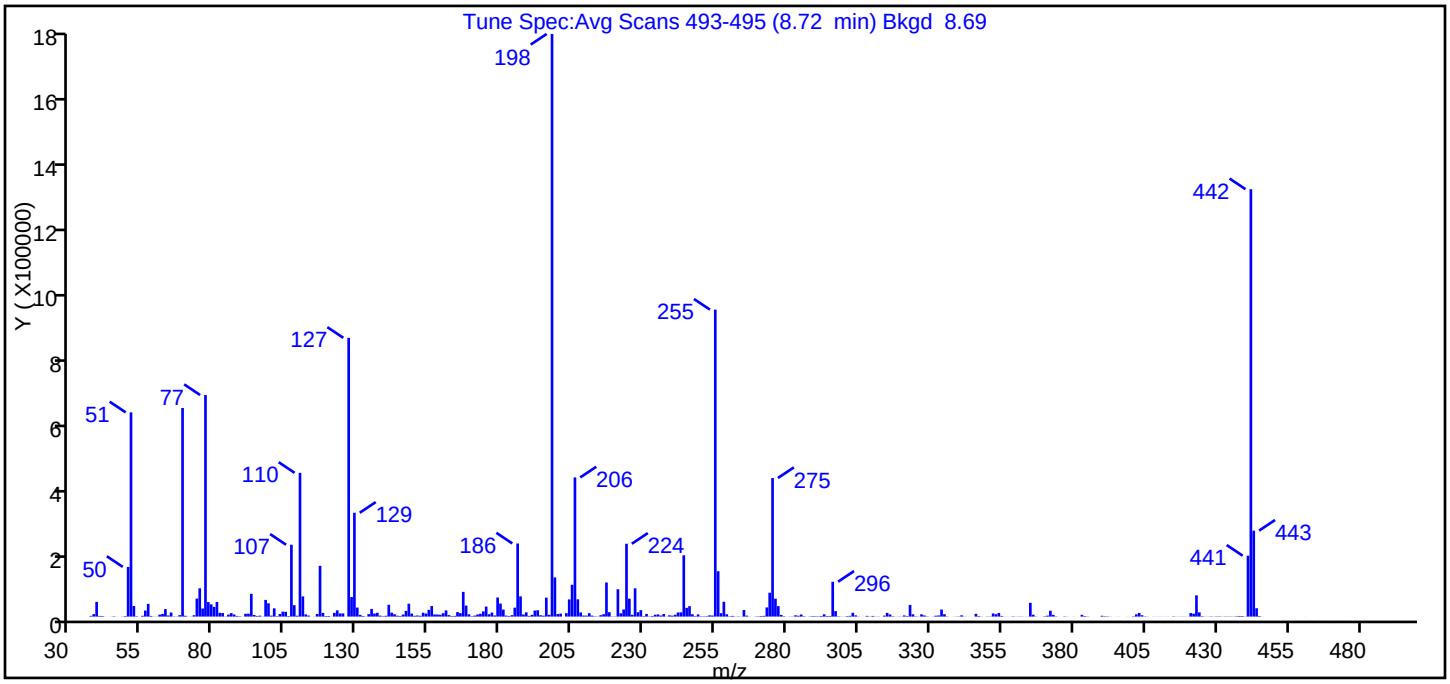
Data File:	\\chi-svr07\chromdata\CMS01\20100720-714.b\1D0720.D		
Lims ID:	dftpp	Client ID:	
Inject. Date:	20-Jul-2010 08:33:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	DFTPP		
Misc. Info.:	500-0000714-001		
Operator:	JAB	Instrument ID:	CMS01
Vol. Injected:	1.0000	ALS Bottle#:	1
Lims Batch ID:	89883	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\chi-svr07\chromdata\CMS01\20100720-714.b\1-HALO.m		
Last Update:	20-Jul-2010 13:36:00	Calib Date:	16-Jul-2010 17:03:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\chi-svr07\chromdata\CMS01\20100716-698.b\STD20A.D		
Limit Group:	MSBNA_SIM_H_ICAL		
Integrator:	RTE		
Process Host:	CHI-MS-SM1A		
Reviewed By:	bergenj	Date:	20-Jul-2010 09:05:37

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ng/uL	Flags
24 Pentachlorophenol	266	8.389	8.389	0.000	396026	0	
21 DFTPP							
25 Benzidine	184	9.575	9.575	0.000	4414141	0	
22 4,4'-DDT	235	9.954	9.954	0.000	1818336	0	

MS Tune Report

Data File:	\\chi-svr07\chromdata\CMS01\20100720-714.b\1D0720.D		
Inj Date:	20-Jul-2010 08:33:30	Limit Group:	MSBNA_SIM_H_ICAL
Lims Batch ID:	89883	Lims Sample ID:	1
Client ID:		Instrument:	CMS01
Sample Info:	DFTPP		
Sample Amount:	1.00 ul	Operator:	JAB
Tune Method:	DFTPP Method 8270		

21 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	35.05
68	Less than 2.00% of mass 69	0.25 (0.69)
69	Present	35.80
70	Less than 2.00% of mass 69	0.15 (0.41)
127	40.00 - 60.00% of mass 198	47.84
197	Less than 1.00% of mass 198	0.31
199	5.00 - 9.00% of mass 198	6.72
275	10.00 - 30.00% of mass 198	23.78
365	Greater than 1.00% of mass 198	2.37
441	0.01 - 100.00% of mass 443	10.45 (70.86)
442	Greater than 40.00% of mass 198	73.35
443	17.00 - 23.00% of mass 442	14.75 (20.11)

Data File: \\chi-svr07\chromdata\CMS01\20100720-714.b\1D0720.D\1-HALO.rslt\spectra.d
Injection Date: 20-Jul-2010 08:33:30
Spectrum: Tune Spec:Avg Scans 493-495 (8.72 min) Bkgd 8.69
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 407

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	2204	141.00	35480	244.00	183808	348.00	451
38.00	7320	142.00	11846	245.00	26304	349.00	75
39.00	44128	143.00	7079	246.00	31200	350.00	688
40.00	2063	144.00	2728	247.00	6958	351.00	611
41.00	1714	145.00	1928	248.00	1457	352.00	9512
42.00	288	146.00	6232	249.00	6542	353.00	7157
44.00	327	147.00	17160	250.00	1206	354.00	10964
45.00	1068	148.00	38680	251.00	1110	355.00	2068
46.00	260	149.00	9081	252.00	1367	356.00	358
47.00	39	150.00	2513	253.00	3677	357.00	237
48.00	514	151.00	3394	254.00	3175	358.00	214
49.00	1671	152.00	2419	255.00	920064	359.00	940
50.00	148928	153.00	11578	256.00	135936	360.00	310
51.00	612160	154.00	9209	257.00	10327	361.00	597
52.00	31848	155.00	20216	258.00	44480	362.00	571
53.00	1284	156.00	31576	259.00	6949	363.00	215
55.00	2446	157.00	6407	260.00	1121	364.00	323
56.00	18024	158.00	6317	261.00	2101	365.00	41320
57.00	38280	159.00	5587	262.00	525	366.00	5628
58.00	2023	160.00	10209	263.00	784	367.00	621
59.00	442	161.00	18584	264.00	414	369.00	59
60.00	330	162.00	4479	265.00	19704	370.00	1239
61.00	5773	163.00	1622	266.00	2807	371.00	2912
62.00	8157	164.00	2199	267.00	347	372.00	17712
63.00	22472	165.00	13518	269.00	608	373.00	5255
64.00	3305	166.00	10378	270.00	1054	374.00	796
65.00	12236	167.00	74168	271.00	1756	377.00	839
66.00	771	168.00	33080	272.00	2249	378.00	349
67.00	582	169.00	6958	273.00	27528	379.00	50
68.00	4329	170.00	1251	274.00	71496	380.00	178
69.00	625280	171.00	3026	275.00	415360	381.00	57
70.00	2547	172.00	6370	276.00	53728	383.00	5220
71.00	308	173.00	8354	277.00	31304	384.00	1672

Report Date: 20-Jul-2010 13:36:00 Chrom Revision: 1.2 25-May-2010 11:47:28
Data File: \\chi-svr07\chromdata\CMS01\20100720-714.b\1D0720.D\1-HALO.rslt\spectra.d
Injection Date: 20-Jul-2010 08:33:30
Spectrum: Tune Spec:Avg Scans 493-495 (8.72 min) Bkgd 8.69
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 407

m/z	Y	m/z	Y	m/z	Y	m/z	Y
72.00	427	174.00	15605	278.00	5014	385.00	644
73.00	4116	175.00	30088	279.00	1191	386.00	87
74.00	53888	176.00	6985	280.00	86	390.00	2524
75.00	84792	177.00	12013	281.00	415	391.00	1186
76.00	24208	178.00	3401	282.00	565	392.00	881
77.00	664128	179.00	57240	283.00	3916	393.00	344
78.00	43448	180.00	39024	284.00	2577	394.00	53
79.00	36824	181.00	21048	285.00	6307	395.00	224
80.00	29192	182.00	2951	286.00	1233	396.00	261
81.00	43832	183.00	1986	287.00	164	399.00	262
82.00	11284	184.00	4230	288.00	723	400.00	64
83.00	10684	185.00	26768	289.00	1455	401.00	1069
84.00	682	186.00	219200	290.00	1266	402.00	6620
85.00	5843	187.00	60584	291.00	929	403.00	11005
86.00	10502	188.00	6246	292.00	1808	404.00	4026
87.00	6327	189.00	12668	293.00	6874	405.00	818
88.00	2068	190.00	2149	294.00	1917	406.00	369
89.00	1174	191.00	5270	295.00	1858	407.00	89
90.00	147	192.00	18176	296.00	104472	408.00	331
91.00	8440	193.00	19056	297.00	16408	409.00	226
92.00	8871	194.00	4081	298.00	1156	410.00	335
93.00	68264	195.00	2694	299.00	454	411.00	220
94.00	4800	196.00	56848	300.00	321	412.00	200
95.00	1993	197.00	5410	301.00	1554	413.00	362
96.00	2827	198.00	1746432	302.00	2315	415.00	981
97.00	494	199.00	117376	303.00	11499	416.00	323
98.00	50000	200.00	7628	304.00	3611	417.00	321
99.00	39832	201.00	9011	305.00	692	418.00	473
100.00	2894	203.00	10263	306.00	145	419.00	448
101.00	24856	204.00	51544	307.00	191	420.00	274
102.00	1407	205.00	95424	308.00	2154	421.00	10583
103.00	7824	206.00	417216	309.00	463	422.00	8736
104.00	14909	207.00	51760	310.00	1973	423.00	63672
105.00	14412	208.00	12427	311.00	466	424.00	12614

Report Date: 20-Jul-2010 13:36:00 Chrom Revision: 1.2 25-May-2010 11:47:28
Data File: \\chi-svr07\chromdata\CMS01\20100720-714.b\1D0720.D\1-HALO.rslt\spectra.d
Injection Date: 20-Jul-2010 08:33:30
Spectrum: Tune Spec:Avg Scans 493-495 (8.72 min) Bkgd 8.69
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 407

m/z	Y	m/z	Y	m/z	Y	m/z	Y
106.00	1766	209.00	3114	312.00	537	425.00	1367
107.00	215424	210.00	2896	314.00	2864	426.00	441
108.00	34080	211.00	10348	315.00	11232	427.00	329
109.00	2708	212.00	2878	316.00	6386	428.00	924
110.00	430848	213.00	1068	317.00	1249	429.00	394
111.00	60432	214.00	592	318.00	290	430.00	838
112.00	6589	215.00	4194	319.00	502	431.00	929
113.00	3029	216.00	7271	320.00	458	432.00	441
114.00	133	217.00	102288	321.00	3423	433.00	790
115.00	431	218.00	13125	322.00	1642	434.00	696
116.00	7893	219.00	709	323.00	35008	435.00	673
117.00	152128	220.00	738	324.00	6862	436.00	557
118.00	11177	221.00	81952	325.00	954	437.00	1187
119.00	1697	222.00	9910	326.00	399	438.00	1943
120.00	1807	223.00	21368	327.00	6850	439.00	1696
121.00	383	224.00	218304	328.00	3467	440.00	519
122.00	11133	225.00	53704	329.00	814	441.00	182528
123.00	18792	226.00	5430	330.00	139	442.00	1281024
124.00	9533	227.00	84744	331.00	384	443.00	257600
125.00	9520	228.00	12953	332.00	2668	444.00	25000
126.00	157	229.00	19304	333.00	3377	445.00	1712
127.00	835520	230.00	1562	334.00	21168	446.00	146
128.00	58648	231.00	7952	335.00	7126	454.00	73
129.00	311232	232.00	864	336.00	780	455.00	51
130.00	27024	233.00	1867	337.00	104	458.00	55
131.00	5231	234.00	5552	338.00	201	459.00	64
132.00	1912	235.00	6507	339.00	558	461.00	112
133.00	464	236.00	3184	340.00	703	466.00	116
134.00	7371	237.00	7775	341.00	3786	472.00	67
135.00	22960	238.00	444	342.00	484	476.00	88
136.00	9259	239.00	3918	343.00	236	477.00	79
137.00	11356	240.00	2789	344.00	134	483.00	52
138.00	2988	241.00	5622	345.00	51	492.00	81
139.00	1230	242.00	12387	346.00	8370	499.00	63

Report Date: 20-Jul-2010 13:36:00 Chrom Revision: 1.2 25-May-2010 11:47:28
Data File: \\chi-svr07\chromdata\CMS01\20100720-714.b\1D0720.D\1-HALO.rslt\spectra.d
Injection Date: 20-Jul-2010 08:33:30
Spectrum: Tune Spec:Avg Scans 493-495 (8.72 min) Bkgd 8.69
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 407

m/z	Y	m/z	Y	m/z	Y	m/z	Y
140.00	2464	243.00	12679	347.00	1674		

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Chicago | Job No.: 500-26466-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 500-89207/1-A

Matrix: Water | Lab File ID: 89207M.D

Analysis Method: 8270C | Date Collected:

Extract. Method: 3510C | Date Extracted: 07/08/2010 09:15

Sample wt/vol: 1000(mL) | Date Analyzed: 07/16/2010 18:03

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 89756 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
90-13-1	Monochloronaphthalene, Total	2.5	U	2.5	0.34
28699-88-9	Dichloronaphthalene, Total	2.5	U	2.5	0.42
1321-65-9	Trichloronaphthalene, Total	2.5	U	2.5	0.67
1335-88-2	Tetrachloronaphthalene, Total	2.5	U	2.5	0.44
1321-64-8	Pentachloronaphthalene, Total	2.5	U	2.5	0.66
1335-87-1	Hexachloronaphthalene, Total	2.5	U	2.5	0.55
32241-08-0	Heptachloronaphthalene, Total	2.5	U	2.5	0.55
2234-13-1	Octachloronaphthalene, Total	2.5	U	2.5	0.60

CAS NO.	SURROGATE	%REC	LIMITS	Q
4165-60-0	Nitrobenzene-d5	68	51-110	
321-60-8	2-Fluorobiphenyl	66	45-110	
1718-51-0	Terphenyl-d14	80	52-122	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\chi-svr07\chromdata\CMS01\20100716-698.b\89207M.D		
Lims ID:	MB 500-89207/1-A	Client ID:	
Inject. Date:	16-Jul-2010 18:03:30	Dil. Factor:	1.0000
Sample Type:	MB, Method Blank		
Sample ID:	MB 500-89207/1-A		
Misc. Info.:	500-0000698-013		
Operator:	JAB	Instrument ID:	CMS01
Vol. Injected:	1.0000	ALS Bottle#:	14
Lims Batch ID:	89756	Lims Sample ID:	13
Detector:	MS SCAN		
Method:	\\chi-svr07\chromdata\CMS01\20100716-698.b\1-HALO.m		
Last Update:	19-Jul-2010 14:46:59	Calib Date:	16-Jul-2010 17:03:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\chi-svr07\chromdata\CMS01\20100716-698.b\STD20A.D		
Limit Group:	MSBNA_SIM_H_ICAL		
Integrator:	RTE		
Process Host:	CHI-MS-SM1A		
Reviewed By:	rynkarg	Date:	19-Jul-2010 10:33:02
Reviewed By:	rynkarg	Date:	19-Jul-2010 11:02:27

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ng/uL	Flags
* 2 1,4-Dichlorobenzene-d4	152	4.043	4.334	-0.291	190893	8.00	
$ 13 Nitrobenzene-d5	82	4.594	4.564	0.030	90112	3.38	
* 12 Naphthalene-d8	136	5.267	5.298	-0.031	662158	8.00	
$ 6 2-Fluorobiphenyl	172	6.323	6.324	-0.001	191097	3.30	
* 7 Acenaphthene-d10	164	6.981	6.966	0.015	335869	8.00	
* 17 Phenanthrene-d10	188	8.297	8.282	0.015	533467	8.00	
15 Octachlorostyrene	308	8.068	8.507	-0.439	325	0	
$ 18 Terphenyl-d14	244	9.510	9.510	0.000	215833	3.98	
* 8 Chrysene-d12	240	10.308	10.308	0.000	520845	8.00	s
* 1 Perylene-d12	264	11.430	11.453	-0.023	433904	8.00	

QC Flag Legend

Processing Flags
s - Failed ISTD Recovery Test

Report Date: 20-Jul-2010 13:11:46 Chrom Revision: 1.2 25-May-2010 11:47:28

Data File: \\chi-svr07\chromdata\CMS01\20100716-698.b\89207M.D

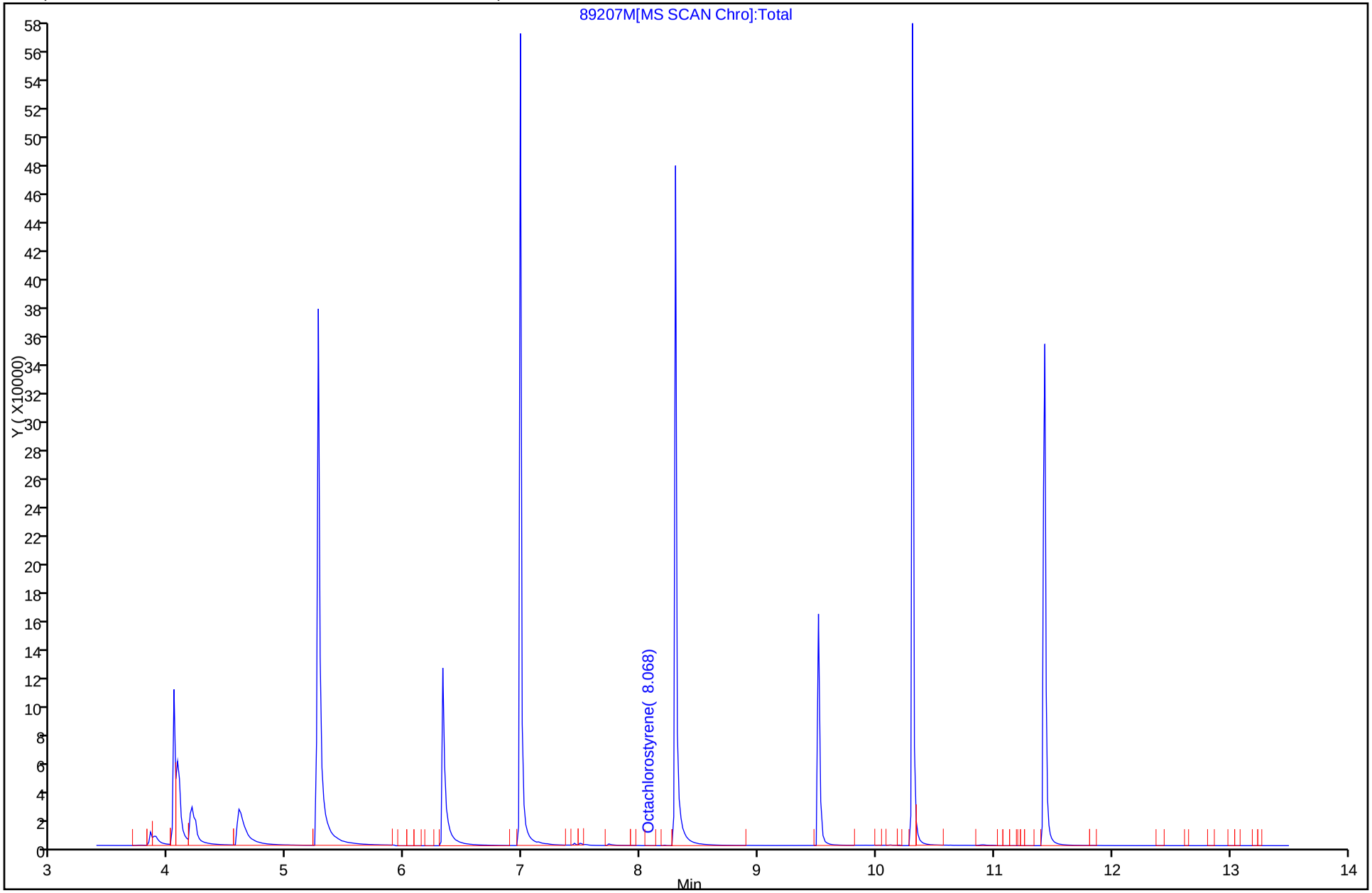
Inj Date: 16-Jul-2010 18:03:30 Limit Group: MSBNA_SIM_H_ICAL

Lims Batch ID: 89756 Lims Sample ID: 13

Client ID: Instrument: CMS01

Sample Info: MB 500-89207/1-A

Sample Amount: 1.00 ul Operator: JAB



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Chicago | Job No.: 500-26466-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 500-89207/1-A RA

Matrix: Water | Lab File ID: 89207M.D

Analysis Method: 8270C | Date Collected:

Extract. Method: 3510C | Date Extracted: 07/08/2010 09:15

Sample wt/vol: 1000(mL) | Date Analyzed: 07/20/2010 10:08

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 89883 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
90-13-1	Monochloronaphthalene, Total	2.5	U	2.5	0.34
28699-88-9	Dichloronaphthalene, Total	2.5	U	2.5	0.42
1321-65-9	Trichloronaphthalene, Total	2.5	U	2.5	0.67
1335-88-2	Tetrachloronaphthalene, Total	2.5	U	2.5	0.44
1321-64-8	Pentachloronaphthalene, Total	2.5	U	2.5	0.66
1335-87-1	Hexachloronaphthalene, Total	2.5	U	2.5	0.55
32241-08-0	Heptachloronaphthalene, Total	2.5	U	2.5	0.55
2234-13-1	Octachloronaphthalene, Total	2.5	U	2.5	0.60

CAS NO.	SURROGATE	%REC	LIMITS	Q
4165-60-0	Nitrobenzene-d5	72	51-110	
321-60-8	2-Fluorobiphenyl	64	45-110	
1718-51-0	Terphenyl-d14	70	52-122	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\chi-svr07\chromdata\CMS01\20100720-714.b\89207M.D		
Lims ID:	MB 500-89207/1-A	Client ID:	
Inject. Date:	20-Jul-2010 10:08:30	Dil. Factor:	1.0000
Sample Type:	MB, Method Blank		
Sample ID:	MB 500-89207/1-A		
Misc. Info.:	500-0000714-003		
Operator:	JAB	Instrument ID:	CMS01
Vol. Injected:	1.0000	ALS Bottle#:	3
Lims Batch ID:	89883	Lims Sample ID:	3
Detector:	MS SCAN		
Method:	\\chi-svr07\chromdata\CMS01\20100720-714.b\1-HALO.m		
Last Update:	20-Jul-2010 13:51:18	Calib Date:	16-Jul-2010 17:03:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\chi-svr07\chromdata\CMS01\20100716-698.b\STD20A.D		
Limit Group:	MSBNA_SIM_H_ICAL		
Integrator:	RTE		
Process Host:	CHI-MS-SM1A		
Reviewed By:	rynkarg	Date:	20-Jul-2010 13:00:35

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ng/uL	Flags
* 2 1,4-Dichlorobenzene-d4	152	4.059	4.074	-0.015	425406	8.00	M
$ 13 Nitrobenzene-d5	82	4.564	4.564	0.000	214595	3.58	
* 12 Naphthalene-d8	136	5.237	5.252	-0.015	1486727	8.00	
$ 6 2-Fluorobiphenyl	172	6.308	6.308	0.000	415974	3.18	
* 7 Acenaphthene-d10	164	6.966	6.966	0.000	759243	8.00	
* 17 Phenanthrene-d10	188	8.282	8.282	0.000	1307212	8.00	
$ 18 Terphenyl-d14	244	9.491	9.510	-0.019	427469	3.49	
* 8 Chrysene-d12	240	10.293	10.308	-0.015	1178457	8.00	
* 1 Perylene-d12	264	11.407	11.430	-0.023	991212	8.00	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 20-Jul-2010 13:51:18 Chrom Revision: 1.2 25-May-2010 11:47:28

Data File: \\chi-svr07\chromdata\CMS01\20100720-714.b\89207M.D

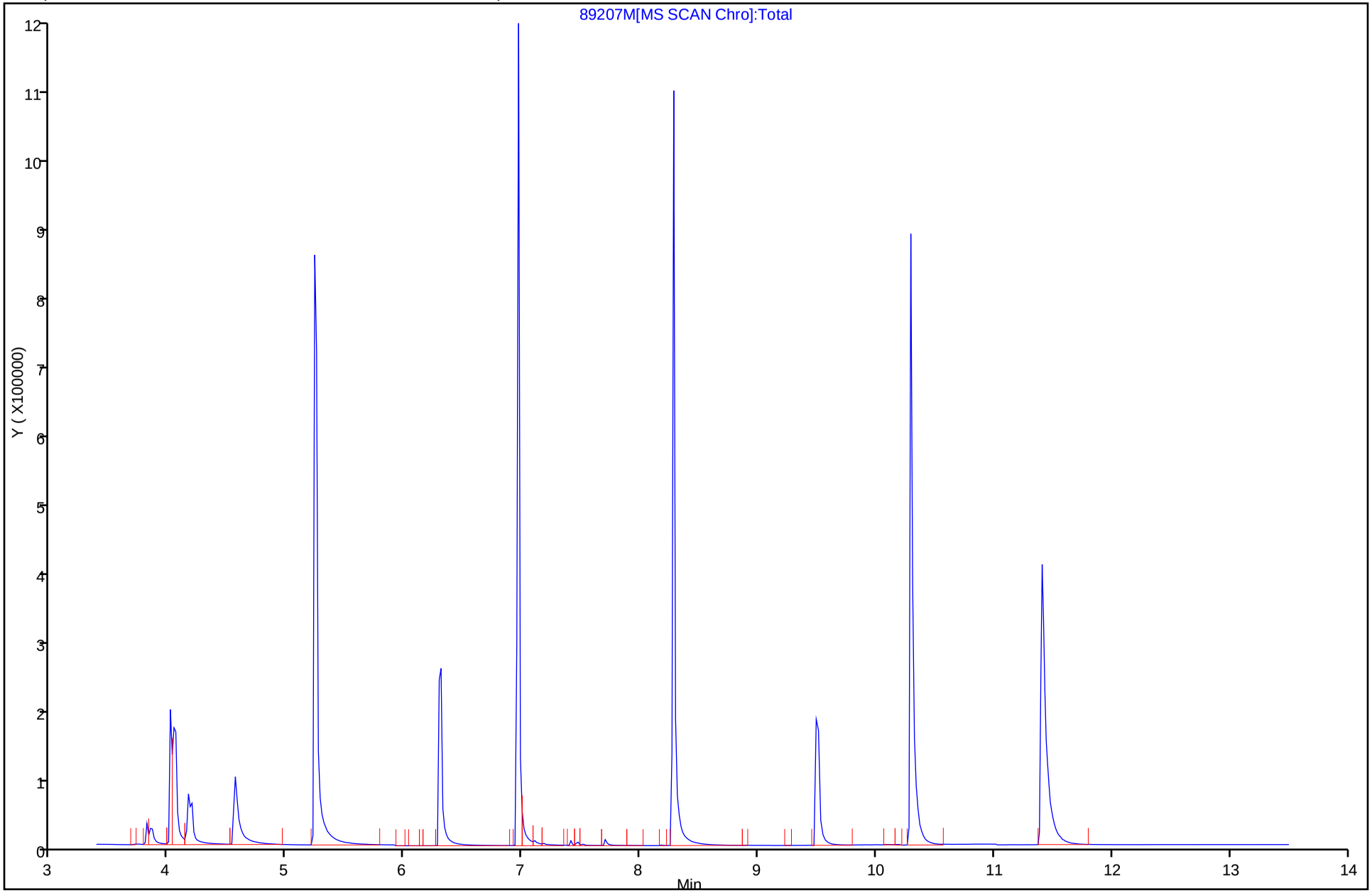
Inj Date: 20-Jul-2010 10:08:30 Limit Group: MSBNA_SIM_H_ICAL

Lims Batch ID: 89883 Lims Sample ID: 3

Client ID: Instrument: CMS01

Sample Info: MB 500-89207/1-A

Sample Amount: 1.00 ul Operator: JAB



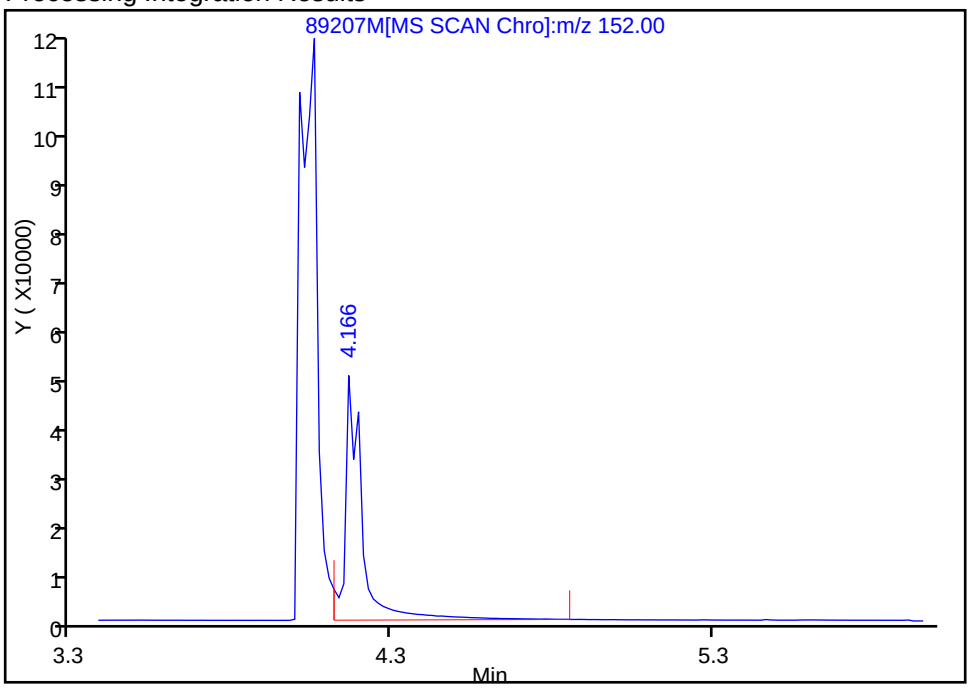
Chrom Revision: 1.2 25-May-2010 11:47:28
Manual Integration/User Assign Peak Report

Data File: \\chi-svr07\chromdata\CMS01\20100720-714.b\89207M.D
Inj Date: 20-Jul-2010 10:08:30 Limit Group: MSBNA_SIM_H_ICAL
Lims Batch ID: 89883 Lims Sample ID: 3
Client ID: Instrument: CMS01
Sample Info: MB 500-89207/1-A
Sample Amount: 1.00 ul Operator: JAB

* 2 1,4-Dichlorobenzene-d4, Signal: 1, m/z: 152.0 Type: quant, RT: 4.07

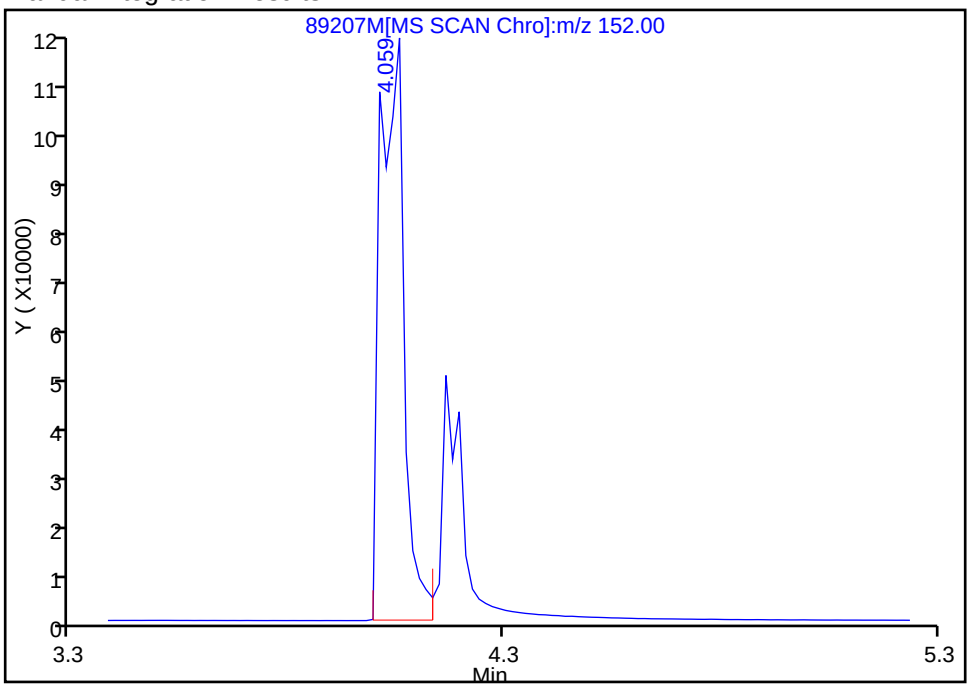
Processing Integration Results

RT: 4.17
Response: 170735
Amount: 8.000000



Manual Integration Results

RT: 4.06
Response: 425406
Amount: 8.000000



Reviewer: rynkarg, 20-Jul-2010 13:00:35
Audit Action: Manually Integrated
Audit Reason: Baseline

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Chicago | Job No.: 500-26466-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 500-89377/1-A

Matrix: Solid | Lab File ID: 89377M.D

Analysis Method: 8270C | Date Collected:

Extract. Method: 3541 | Date Extracted: 07/12/2010 07:48

Sample wt/vol: 15.0000(g) | Date Analyzed: 07/16/2010 17:43

Con. Extract Vol.: 0.5(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 89756 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
90-13-1	Monochloronaphthalene, Total	83	U	83	15
28699-88-9	Dichloronaphthalene, Total	83	U	83	11
1321-65-9	Trichloronaphthalene, Total	83	U	83	8.7
1335-88-2	Tetrachloronaphthalene, Total	83	U	83	10
1321-64-8	Pentachloronaphthalene, Total	83	U	83	23
1335-87-1	Hexachloronaphthalene, Total	83	U	83	44
32241-08-0	Heptachloronaphthalene, Total	83	U	83	14
2234-13-1	Octachloronaphthalene, Total	83	U	83	32

CAS NO.	SURROGATE	%REC	LIMITS	Q
4165-60-0	Nitrobenzene-d5	85	28-110	
321-60-8	2-Fluorobiphenyl	76	21-123	
1718-51-0	Terphenyl-d14	98	36-119	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\chi-svr07\chromdata\CMS01\20100716-698.b\89377M.D		
Lims ID:	MB 500-89377/1-A	Client ID:	
Inject. Date:	16-Jul-2010 17:43:30	Dil. Factor:	1.0000
Sample Type:	MB, Method Blank		
Sample ID:	MB 500-89377/1-A		
Misc. Info.:	500-0000698-012		
Operator:	JAB	Instrument ID:	CMS01
Vol. Injected:	1.0000	ALS Bottle#:	13
Lims Batch ID:	89756	Lims Sample ID:	12
Detector:	MS SCAN		
Method:	\\chi-svr07\chromdata\CMS01\20100716-698.b\1-HALO.m		
Last Update:	19-Jul-2010 11:16:43	Calib Date:	16-Jul-2010 17:03:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\chi-svr07\chromdata\CMS01\20100716-698.b\STD20A.D		
Limit Group:	MSBNA_SIM_H_ICAL		
Integrator:	RTE		
Process Host:	CHI-MS-SM1A		
Reviewed By:	rynkarg	Date:	19-Jul-2010 10:32:29

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ng/uL	Flags
* 2 1,4-Dichlorobenzene-d4	152	4.043	4.334	-0.291	303719	8.00	
$ 13 Nitrobenzene-d5	82	4.564	4.564	0.000	185505	4.23	
* 12 Naphthalene-d8	136	5.252	5.298	-0.046	1089702	8.00	
$ 6 2-Fluorobiphenyl	172	6.323	6.324	-0.001	406167	3.80	
* 7 Acenaphthene-d10	164	6.981	6.966	0.015	619498	8.00	
* 17 Phenanthrene-d10	188	8.297	8.282	0.015	970934	8.00	
$ 18 Terphenyl-d14	244	9.510	9.510	0.000	570365	4.92	
* 8 Chrysene-d12	240	10.308	10.308	0.000	1114967	8.00	
* 1 Perylene-d12	264	11.441	11.453	-0.012	980960	8.00	

Report Date: 19-Jul-2010 11:16:43 Chrom Revision: 1.2 25-May-2010 11:47:28

Data File: \\chi-svr07\chromdata\CMS01\20100716-698.b\89377M.D

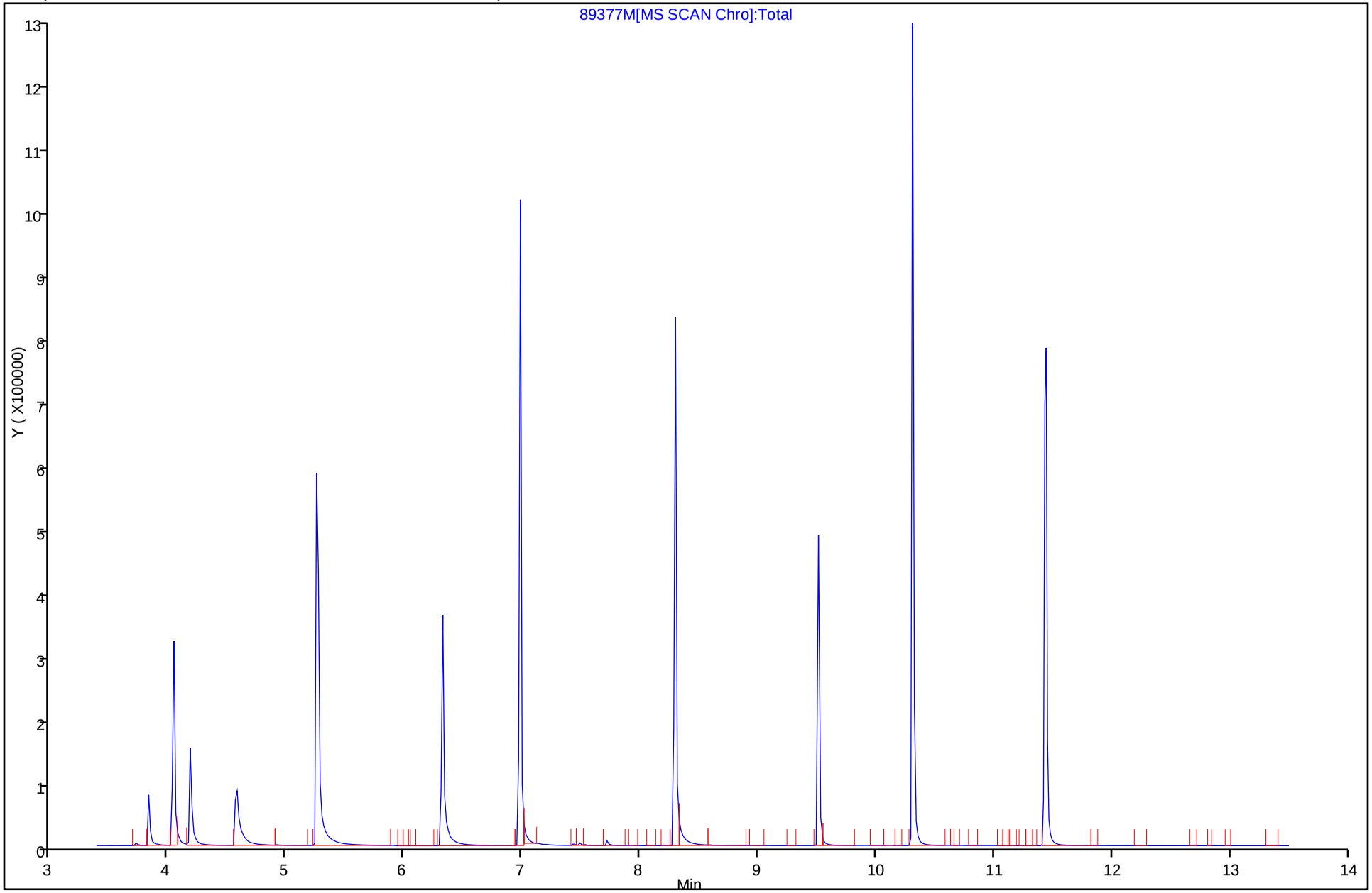
Inj Date: 16-Jul-2010 17:43:30 Limit Group: MSBNA_SIM_H_ICAL

Lims Batch ID: 89756 Lims Sample ID: 12

Client ID: Instrument: CMS01

Sample Info: MB 500-89377/1-A

Sample Amount: 1.00 ul Operator: JAB



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Chicago | Job No.: 500-26466-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 500-89207/2-A

Matrix: Water | Lab File ID: 89207BS.D

Analysis Method: 8270C | Date Collected:

Extract. Method: 3510C | Date Extracted: 07/08/2010 09:15

Sample wt/vol: 1000(mL) | Date Analyzed: 07/16/2010 18:43

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 89756 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
90-13-1	Monochloronaphthalene, Total	5.38		2.5	0.34
28699-88-9	Dichloronaphthalene, Total	5.99		2.5	0.42
1335-88-2	Tetrachloronaphthalene, Total	7.98		2.5	0.44
2234-13-1	Octachloronaphthalene, Total	7.28		2.5	0.60

CAS NO.	SURROGATE	%REC	LIMITS	Q
4165-60-0	Nitrobenzene-d5	70	51-110	
321-60-8	2-Fluorobiphenyl	64	45-110	
1718-51-0	Terphenyl-d14	100	52-122	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\chi-svr07\chromdata\CMS01\20100716-698.b\89207BS.D		
Lims ID:	LCS 500-89207/2-A	Client ID:	
Inject. Date:	16-Jul-2010 18:43:30	Dil. Factor:	1.0000
Sample Type:	LCS, Lab Control Sample		
Sample ID:	LCS 500-89207/2-A		
Misc. Info.:	500-0000698-015		
Operator:	JAB	Instrument ID:	CMS01
Vol. Injected:	1.0000	ALS Bottle#:	16
Lims Batch ID:	89756	Lims Sample ID:	15
Detector:	MS SCAN		
Method:	\\chi-svr07\chromdata\CMS01\20100716-698.b\1-HALO.m		
Last Update:	19-Jul-2010 14:46:59	Calib Date:	16-Jul-2010 17:03:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\chi-svr07\chromdata\CMS01\20100716-698.b\STD20A.D		
Limit Group:	MSBNA_SIM_H_ICAL		
Integrator:	RTE		
Process Host:	CHI-MS-SM1A		
Reviewed By:	rynkarg	Date:	19-Jul-2010 10:35:35

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ng/uL	Flags
* 2 1,4-Dichlorobenzene-d4	152	4.043	4.334	-0.291	268696	8.00	
$ 13 Nitrobenzene-d5	82	4.594	4.564	0.030	134519	3.51	
* 12 Naphthalene-d8	136	5.267	5.298	-0.031	952414	8.00	
$ 6 2-Fluorobiphenyl	172	6.323	6.324	-0.001	299430	3.18	
5 1-Chloronaphthalene	162	6.461	6.461	0.000	443564	5.38	
* 7 Acenaphthene-d10	164	6.981	6.966	0.015	545431	8.00	
9 Dichloronaphthalene	196	7.379	7.379	0.000	874111	5.99	
* 17 Phenanthrene-d10	188	8.297	8.282	0.015	868416	8.00	
19 Tetrachloronaphthalene	266	8.910	8.910	0.000	334374	7.98	
$ 18 Terphenyl-d14	244	9.510	9.510	0.000	408735	4.99	
* 8 Chrysene-d12	240	10.308	10.308	0.000	787628	8.00	
14 Octachloronaphthalene	402	11.177	11.166	0.011	83202	7.28	
* 1 Perylene-d12	264	11.441	11.453	-0.012	688938	8.00	

Report Date: 20-Jul-2010 13:11:47 Chrom Revision: 1.2 25-May-2010 11:47:28

Data File: \\chi-svr07\chromdata\CMS01\20100716-698.b\89207BS.D

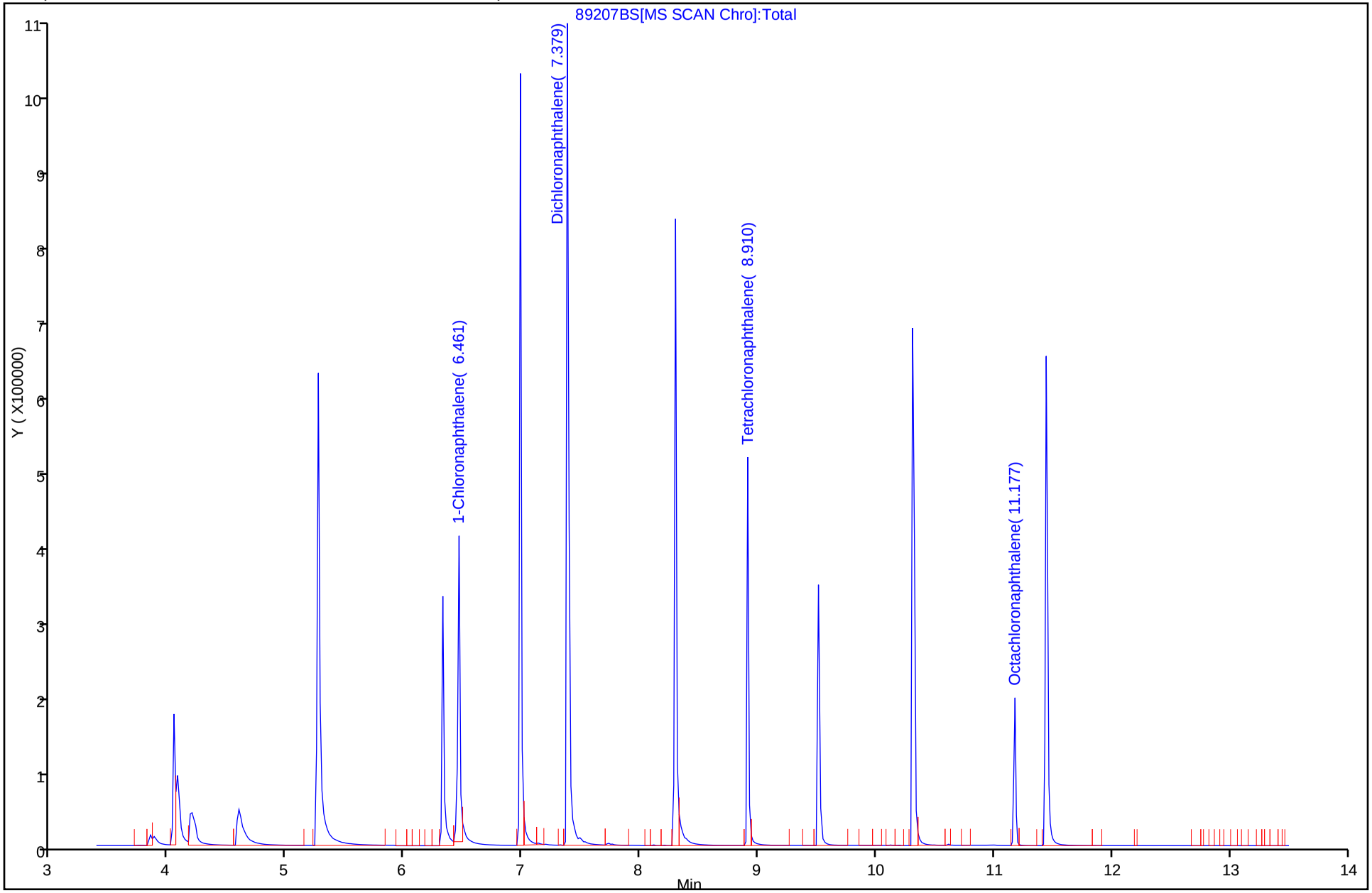
Inj Date: 16-Jul-2010 18:43:30 Limit Group: MSBNA_SIM_H_ICAL

Lims Batch ID: 89756 Lims Sample ID: 15

Client ID: Instrument: CMS01

Sample Info: LCS 500-89207/2-A

Sample Amount: 1.00 ul Operator: JAB



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Chicago | Job No.: 500-26466-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 500-89377/2-A

Matrix: Solid | Lab File ID: 89377BS.D

Analysis Method: 8270C | Date Collected:

Extract. Method: 3541 | Date Extracted: 07/12/2010 07:48

Sample wt/vol: 15.0000(g) | Date Analyzed: 07/16/2010 19:23

Con. Extract Vol.: 0.5(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 89756 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
90-13-1	Monochloronaphthalene, Total	253		83	15
28699-88-9	Dichloronaphthalene, Total	269		83	11
1335-88-2	Tetrachloronaphthalene, Total	325		83	10
2234-13-1	Octachloronaphthalene, Total	226		83	32

CAS NO.	SURROGATE	%REC	LIMITS	Q
4165-60-0	Nitrobenzene-d5	81	28-110	
321-60-8	2-Fluorobiphenyl	84	21-123	
1718-51-0	Terphenyl-d14	96	36-119	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\chi-svr07\chromdata\CMS01\20100716-698.b\89377BS.D		
Lims ID:	LCS 500-89377/2-A	Client ID:	
Inject. Date:	16-Jul-2010 19:23:30	Dil. Factor:	1.0000
Sample Type:	LCS, Lab Control Sample		
Sample ID:	LCS 500-89377/2-A		
Misc. Info.:	500-0000698-017		
Operator:	JAB	Instrument ID:	CMS01
Vol. Injected:	1.0000	ALS Bottle#:	18
Lims Batch ID:	89756	Lims Sample ID:	17
Detector:	MS SCAN		
Method:	\\chi-svr07\chromdata\CMS01\20100716-698.b\1-HALO.m		
Last Update:	19-Jul-2010 11:16:43	Calib Date:	16-Jul-2010 17:03:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\chi-svr07\chromdata\CMS01\20100716-698.b\STD20A.D		
Limit Group:	MSBNA_SIM_H_ICAL		
Integrator:	RTE		
Process Host:	CHI-MS-SM1A		
Reviewed By:	rynkarg	Date:	19-Jul-2010 10:38:10
Reviewed By:	rynkarg	Date:	19-Jul-2010 10:50:42

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ng/uL	Flags
* 2 1,4-Dichlorobenzene-d4	152	4.043	4.334	-0.291	258956	8.00	
$ 13 Nitrobenzene-d5	82	4.579	4.564	0.015	147607	4.04	
* 12 Naphthalene-d8	136	5.268	5.298	-0.030	907817	8.00	
$ 6 2-Fluorobiphenyl	172	6.323	6.324	-0.001	376248	4.20	
5 1-Chloronaphthalene	162	6.461	6.461	0.000	596205	7.59	
* 7 Acenaphthene-d10	164	6.981	6.966	0.015	520265	8.00	
9 Dichloronaphthalene	196	7.379	7.379	0.000	1123224	8.07	
* 17 Phenanthrene-d10	188	8.297	8.282	0.015	817741	8.00	
19 Tetrachloronaphthalene	266	8.910	8.910	0.000	384366	9.74	
$ 18 Terphenyl-d14	244	9.510	9.510	0.000	409207	4.79	
* 8 Chrysene-d12	240	10.308	10.308	0.000	821184	8.00	
14 Octachloronaphthalene	402	11.154	11.166	-0.012	73988	6.78	
* 1 Perylene-d12	264	11.418	11.453	-0.035	658011	8.00	

Report Date: 19-Jul-2010 11:16:44 Chrom Revision: 1.2 25-May-2010 11:47:28

Data File: \\chi-svr07\chromdata\CMS01\20100716-698.b\89377BS.D

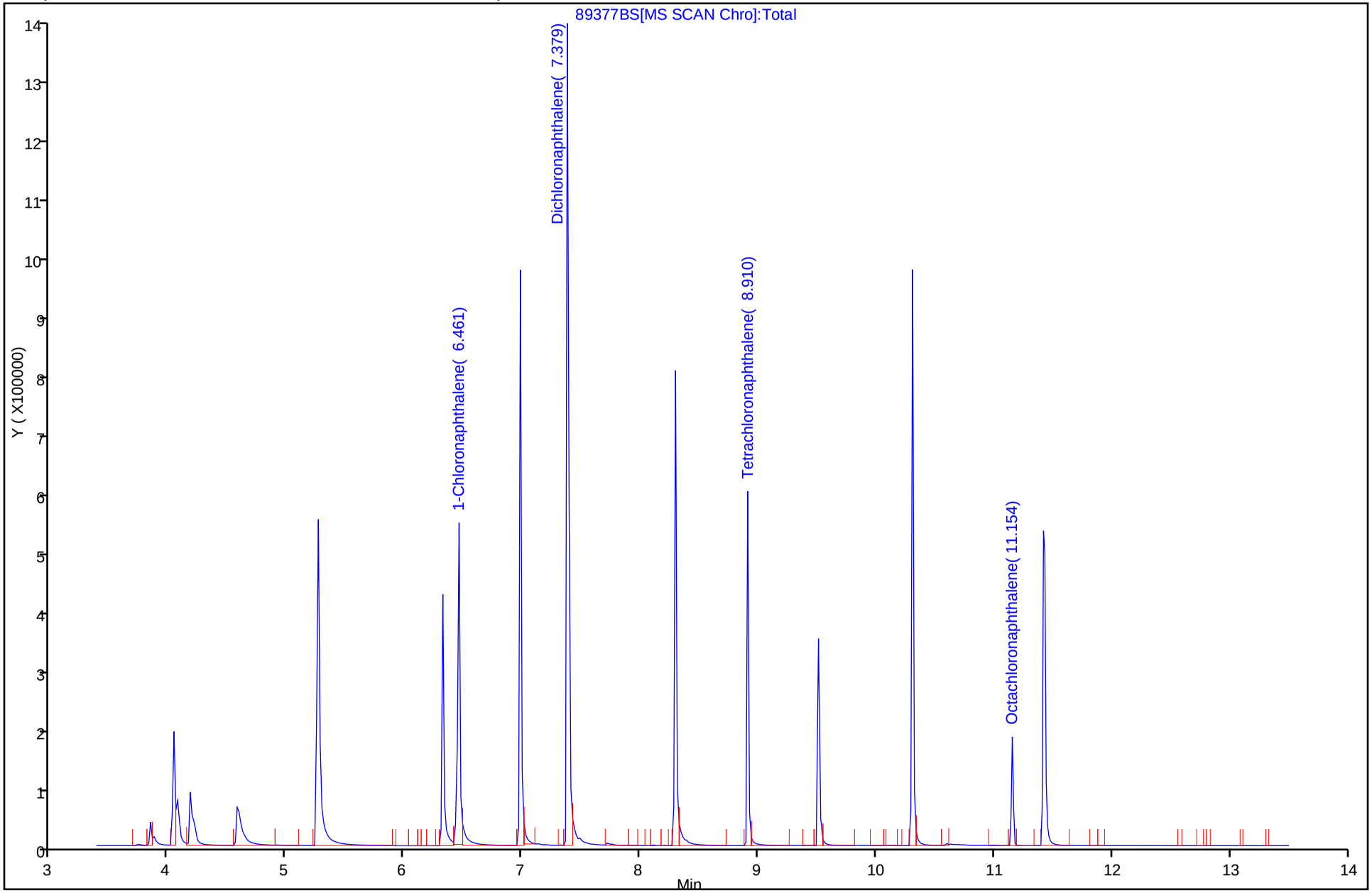
Inj Date: 16-Jul-2010 19:23:30 Limit Group: MSBNA_SIM_H_ICAL

Lims Batch ID: 89756 Lims Sample ID: 17

Client ID: Instrument: CMS01

Sample Info: LCS 500-89377/2-A

Sample Amount: 1.00 ul Operator: JAB



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Chicago | Job No.: 500-26466-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 500-89207/3-A

Matrix: Water | Lab File ID: 89207BD.D

Analysis Method: 8270C | Date Collected:

Extract. Method: 3510C | Date Extracted: 07/08/2010 09:15

Sample wt/vol: 1000(mL) | Date Analyzed: 07/16/2010 19:03

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 89756 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
90-13-1	Monochloronaphthalene, Total	7.42		2.5	0.34
28699-88-9	Dichloronaphthalene, Total	7.91		2.5	0.42
1335-88-2	Tetrachloronaphthalene, Total	9.66		2.5	0.44
2234-13-1	Octachloronaphthalene, Total	9.17		2.5	0.60

CAS NO.	SURROGATE	%REC	LIMITS	Q
4165-60-0	Nitrobenzene-d5	77	51-110	
321-60-8	2-Fluorobiphenyl	75	45-110	
1718-51-0	Terphenyl-d14	98	52-122	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\chi-svr07\chromdata\CMS01\20100716-698.b\89207BD.D		
Lims ID:	LCSD 500-89207/3-A	Client ID:	
Inject. Date:	16-Jul-2010 19:03:30	Dil. Factor:	1.0000
Sample Type:	LCSD, LCS Duplicate		
Sample ID:	LCSD 500-89207/3-A		
Misc. Info.:	500-0000698-016		
Operator:	JAB	Instrument ID:	CMS01
Vol. Injected:	1.0000	ALS Bottle#:	17
Lims Batch ID:	89756	Lims Sample ID:	16
Detector:	MS SCAN		
Method:	\\chi-svr07\chromdata\CMS01\20100716-698.b\1-HALO.m		
Last Update:	19-Jul-2010 14:46:59	Calib Date:	16-Jul-2010 17:03:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\chi-svr07\chromdata\CMS01\20100716-698.b\STD20A.D		
Limit Group:	MSBNA_SIM_H_ICAL		
Integrator:	RTE		
Process Host:	CHI-MS-SM1A		
Reviewed By:	rynkarg	Date:	19-Jul-2010 10:36:58

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ng/uL	Flags
* 2 1,4-Dichlorobenzene-d4	152	4.043	4.334	-0.291	227303	8.00	
$ 13 Nitrobenzene-d5	82	4.594	4.564	0.030	126698	3.87	
* 12 Naphthalene-d8	136	5.268	5.298	-0.030	812748	8.00	
$ 6 2-Fluorobiphenyl	172	6.324	6.324	0.000	276846	3.75	
5 1-Chloronaphthalene	162	6.461	6.461	0.000	480560	7.42	
* 7 Acenaphthene-d10	164	6.981	6.966	0.015	428502	8.00	
9 Dichloronaphthalene	196	7.379	7.379	0.000	905950	7.91	
* 17 Phenanthrene-d10	188	8.297	8.282	0.015	672197	8.00	
19 Tetrachloronaphthalene	266	8.910	8.910	0.000	313220	9.66	
$ 18 Terphenyl-d14	244	9.510	9.510	0.000	319305	4.90	
* 8 Chrysene-d12	240	10.308	10.308	0.000	626024	8.00	
14 Octachloronaphthalene	402	11.154	11.166	-0.012	73431	9.17	
* 1 Perylene-d12	264	11.430	11.453	-0.023	482676	8.00	

Report Date: 20-Jul-2010 13:11:47 Chrom Revision: 1.2 25-May-2010 11:47:28

Data File: \\chi-svr07\chromdata\CMS01\20100716-698.b\89207BD.D

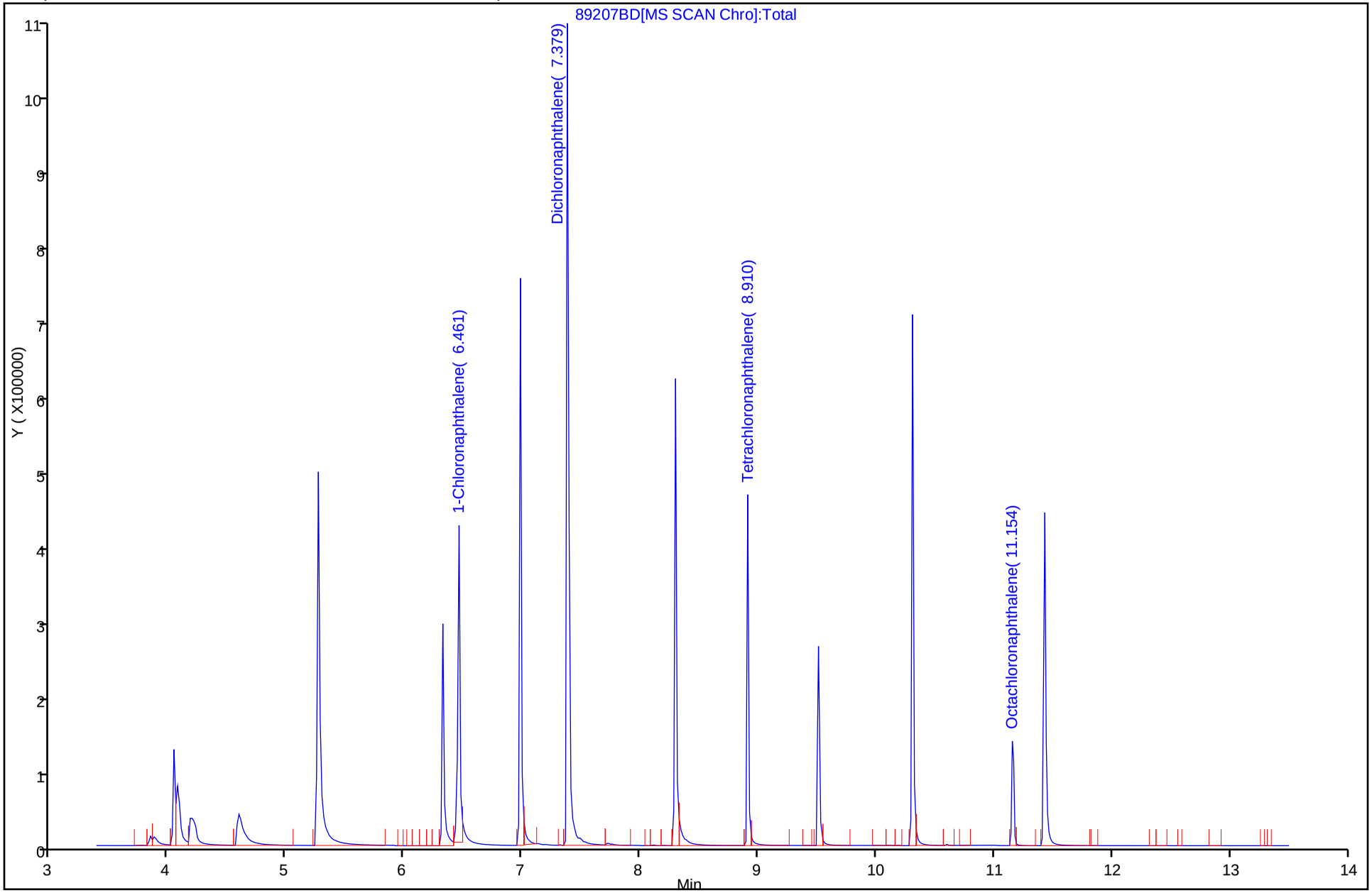
Inj Date: 16-Jul-2010 19:03:30 Limit Group: MSBNA_SIM_H_ICAL

Lims Batch ID: 89756 Lims Sample ID: 16

Client ID: Instrument: CMS01

Sample Info: LCSD 500-89207/3-A

Sample Amount: 1.00 ul Operator: JAB



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Chicago | Job No.: 500-26466-1

SDG No.:

Client Sample ID: HD-12 (0-0.5) MS | Lab Sample ID: 500-26466-1 MS

Matrix: Solid | Lab File ID: 26466-1S.D

Analysis Method: 8270C | Date Collected: 07/02/2010 10:55

Extract. Method: 3541 | Date Extracted: 07/12/2010 07:48

Sample wt/vol: 15.4216(g) | Date Analyzed: 07/16/2010 21:04

Con. Extract Vol.: 0.5(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 32.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 89756 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
90-13-1	Monochloronaphthalene, Total	257		120	22
28699-88-9	Dichloronaphthalene, Total	268		120	16
1321-65-9	Trichloronaphthalene, Total	120	U	120	13
1335-88-2	Tetrachloronaphthalene, Total	202		120	14
1321-64-8	Pentachloronaphthalene, Total	120	U	120	33
1335-87-1	Hexachloronaphthalene, Total	184		120	63
32241-08-0	Heptachloronaphthalene, Total	120	U	120	20
2234-13-1	Octachloronaphthalene, Total	173		120	45

CAS NO.	SURROGATE	%REC	LIMITS	Q
4165-60-0	Nitrobenzene-d5	50	28-110	
321-60-8	2-Fluorobiphenyl	57	21-123	
1718-51-0	Terphenyl-d14	81	36-119	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\chi-svr07\chromdata\CMS01\20100716-698.b\26466-1S.D		
Lims ID:	500-26466-A-1-B MS	Client ID:	
Inject. Date:	16-Jul-2010 21:04:30	Dil. Factor:	1.0000
Sample Type:	MS, Matrix Spike		
Sample ID:	500-26466-A-1-B MS		
Misc. Info.:	500-0000698-022		
Operator:	JAB	Instrument ID:	CMS01
Vol. Injected:	1.0000	ALS Bottle#:	23
Lims Batch ID:	89756	Lims Sample ID:	22
Detector:	MS SCAN		
Method:	\\chi-svr07\chromdata\CMS01\20100716-698.b\1-HALO.m		
Last Update:	19-Jul-2010 11:16:57	Calib Date:	16-Jul-2010 17:03:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\chi-svr07\chromdata\CMS01\20100716-698.b\STD20A.D		
Limit Group:	MSBNA_SIM_H_ICAL		
Integrator:	RTE		
Process Host:	CHI-MS-SM1A		
Reviewed By:	rynkarg	Date:	19-Jul-2010 10:47:39
Reviewed By:	rynkarg	Date:	19-Jul-2010 10:51:25
Reviewed By:	rynkarg	Date:	19-Jul-2010 10:57:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ng/uL	Flags
* 2 1,4-Dichlorobenzene-d4	152	4.059	4.334	-0.275	329696	8.00	
$ 13 Nitrobenzene-d5	82	4.579	4.564	0.015	115594	2.52	
* 12 Naphthalene-d8	136	5.268	5.298	-0.030	1139790	8.00	
$ 6 2-Fluorobiphenyl	172	6.339	6.324	0.015	321240	2.84	
5 1-Chloronaphthalene	162	6.477	6.461	0.016	530802	5.36	
* 7 Acenaphthene-d10	164	6.997	6.966	0.031	655534	8.00	
9 Dichloronaphthalene	196	7.395	7.379	0.016	979535	5.59	
* 17 Phenanthrene-d10	188	8.313	8.282	0.031	1430068	8.00	
19 Tetrachloronaphthalene	266	8.940	8.910	0.030	290312	4.21	
$ 18 Terphenyl-d14	244	9.548	9.510	0.038	289672	4.03	M
10 Hexachloronaphthalene	334	10.263	9.911	0.351	101140	3.84	
* 8 Chrysene-d12	240	10.354	10.308	0.046	690208	8.00	
14 Octachloronaphthalene	402	11.258	11.166	0.092	47328	3.60	
* 1 Perylene-d12	264	11.557	11.453	0.104	792836	8.00	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 19-Jul-2010 11:16:58 Chrom Revision: 1.2 25-May-2010 11:47:28

Data File: \\chi-svr07\chromdata\CMS01\20100716-698.b\26466-1S.D

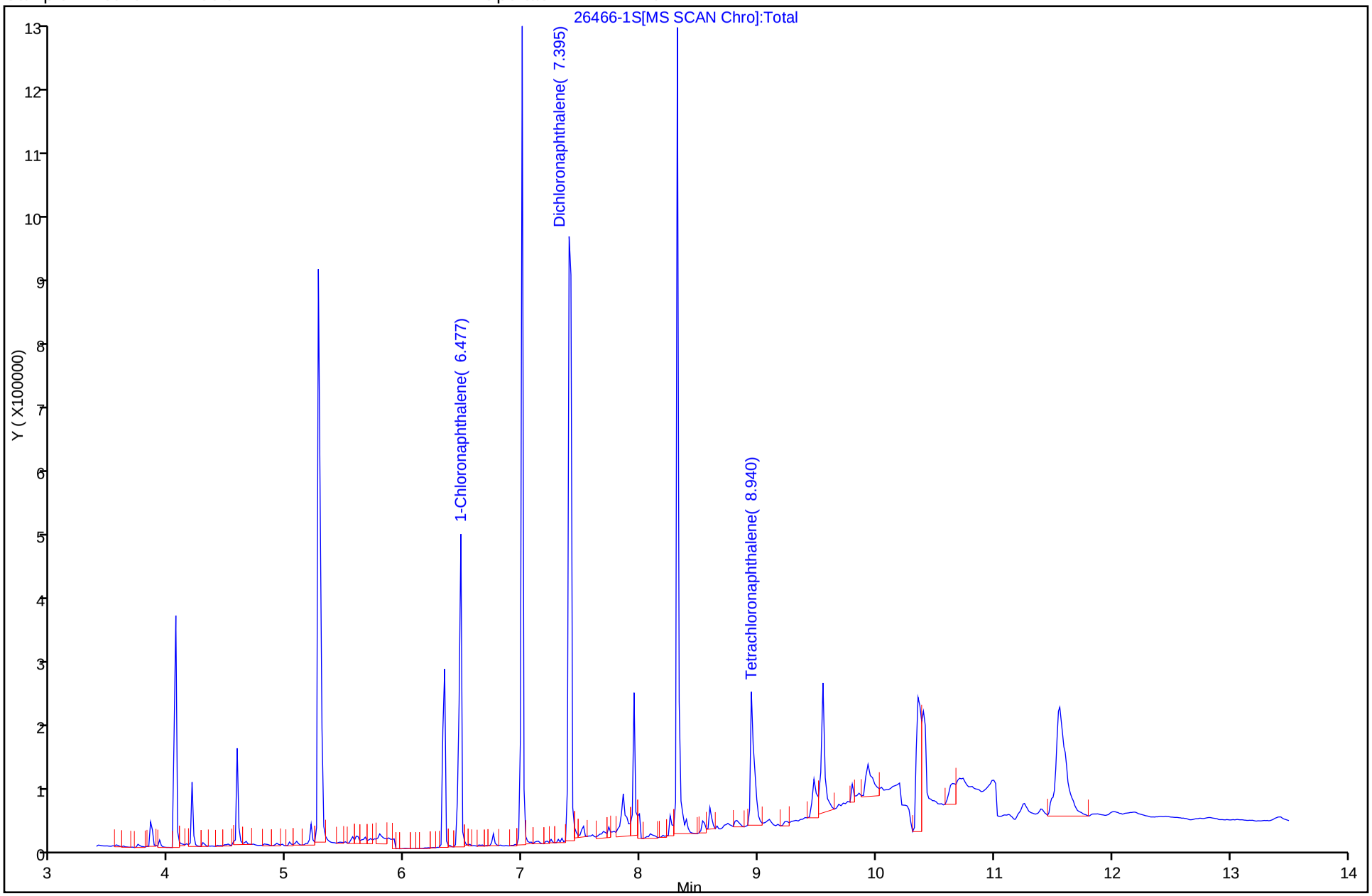
Inj Date: 16-Jul-2010 21:04:30 Limit Group: MSBNA_SIM_H_ICAL

Lims Batch ID: 89756 Lims Sample ID: 22

Client ID: Instrument: CMS01

Sample Info: 500-26466-A-1-B MS

Sample Amount: 1.00 ul Operator: JAB



Chrom Revision: 1.2 25-May-2010 11:47:28
Manual Integration/User Assign Peak Report

Data File:	\\chi-svr07\chromdata\CMS01\20100716-698.b\26466-1S.D		
Inj Date:	16-Jul-2010 21:04:30	Limit Group:	MSBNA_SIM_H_ICAL
Lims Batch ID:	89756	Lims Sample ID:	22
Client ID:		Instrument:	CMS01
Sample Info:	500-26466-A-1-B MS		
Sample Amount:	1.00 ul	Operator:	JAB

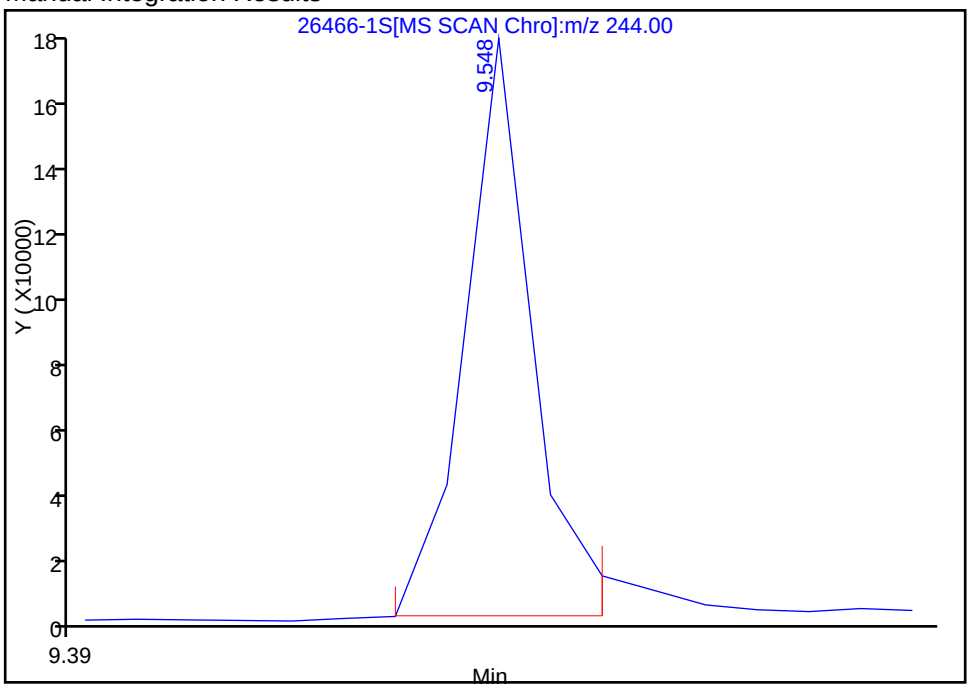
$ 18 Terphenyl-d14, Signal: 1, m/z: 244.0 Type: quant, RT: 9.51

Processing Integration Results

Not Detected
Expected RT: 9.51

Manual Integration Results

RT: 9.55
Response: 289672
Amount: 4.033233



Reviewer: rynkarg, 19-Jul-2010 10:47:39
Audit Action: Manually Integrated
Audit Reason: Baseline

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Chicago | Job No.: 500-26466-1

SDG No.:

Client Sample ID: HD-12 (0-0.5) MSD | Lab Sample ID: 500-26466-1 MSD

Matrix: Solid | Lab File ID: 26466-1T.D

Analysis Method: 8270C | Date Collected: 07/02/2010 10:55

Extract. Method: 3541 | Date Extracted: 07/12/2010 07:48

Sample wt/vol: 15.2461(g) | Date Analyzed: 07/16/2010 21:24

Con. Extract Vol.: 0.5(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 32.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 89756 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
90-13-1	Monochloronaphthalene, Total	219		120	22
28699-88-9	Dichloronaphthalene, Total	250		120	16
1321-65-9	Trichloronaphthalene, Total	120	U	120	13
1335-88-2	Tetrachloronaphthalene, Total	263		120	15
1321-64-8	Pentachloronaphthalene, Total	120	U	120	33
1335-87-1	Hexachloronaphthalene, Total	111	J	120	64
32241-08-0	Heptachloronaphthalene, Total	120	U	120	20
2234-13-1	Octachloronaphthalene, Total	173		120	46

CAS NO.	SURROGATE	%REC	LIMITS	Q
4165-60-0	Nitrobenzene-d5	38	28-110	
321-60-8	2-Fluorobiphenyl	49	21-123	
1718-51-0	Terphenyl-d14	66	36-119	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\chi-svr07\chromdata\CMS01\20100716-698.b\26466-1T.D		
Lims ID:	500-26466-A-1-C MSD	Client ID:	
Inject. Date:	16-Jul-2010 21:24:30	Dil. Factor:	1.0000
Sample Type:	MSD, Matrix Spike Duplicate		
Sample ID:	500-26466-A-1-C MSD		
Misc. Info.:	500-0000698-023		
Operator:	JAB	Instrument ID:	CMS01
Vol. Injected:	1.0000	ALS Bottle#:	24
Lims Batch ID:	89756	Lims Sample ID:	23
Detector:	MS SCAN		
Method:	\\chi-svr07\chromdata\CMS01\20100716-698.b\1-HALO.m		
Last Update:	19-Jul-2010 11:16:57	Calib Date:	16-Jul-2010 17:03:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\chi-svr07\chromdata\CMS01\20100716-698.b\STD20A.D		
Limit Group:	MSBNA_SIM_H_ICAL		
Integrator:	RTE		
Process Host:	CHI-MS-SM1A		
Reviewed By:	rynkarg	Date:	19-Jul-2010 10:48:41
Reviewed By:	rynkarg	Date:	19-Jul-2010 10:50:01
Reviewed By:	rynkarg	Date:	19-Jul-2010 10:59:56
Reviewed By:	rynkarg	Date:	19-Jul-2010 11:00:37
Reviewed By:	rynkarg	Date:	19-Jul-2010 11:02:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ng/uL	Flags
* 2 1,4-Dichlorobenzene-d4	152	4.058	4.334	-0.276	335372	8.00	
$ 13 Nitrobenzene-d5	82	4.594	4.564	0.030	98524	1.91	
* 12 Naphthalene-d8	136	5.283	5.298	-0.015	1282326	8.00	
$ 6 2-Fluorobiphenyl	172	6.339	6.324	0.015	279183	2.43	
5 1-Chloronaphthalene	162	6.476	6.461	0.015	454504	4.51	
* 7 Acenaphthene-d10	164	7.012	6.966	0.046	666926	8.00	
9 Dichloronaphthalene	196	7.410	7.379	0.031	918432	5.15	
* 17 Phenanthrene-d10	188	8.328	8.282	0.046	1087560	8.00	
19 Tetrachloronaphthalene	266	8.955	8.910	0.045	284896	5.43	
$ 18 Terphenyl-d14	244	9.567	9.510	0.057	255715	3.28	M
10 Hexachloronaphthalene	334	10.278	9.911	0.367	65383	2.28	M
* 8 Chrysene-d12	240	10.369	10.308	0.061	749925	8.00	
14 Octachloronaphthalene	402	11.257	11.166	0.091	37596	3.57	
* 1 Perylene-d12	264	11.556	11.453	0.103	634820	8.00	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 19-Jul-2010 11:16:58 Chrom Revision: 1.2 25-May-2010 11:47:28

Data File: \\chi-svr07\chromdata\CMS01\20100716-698.b\26466-1T.D

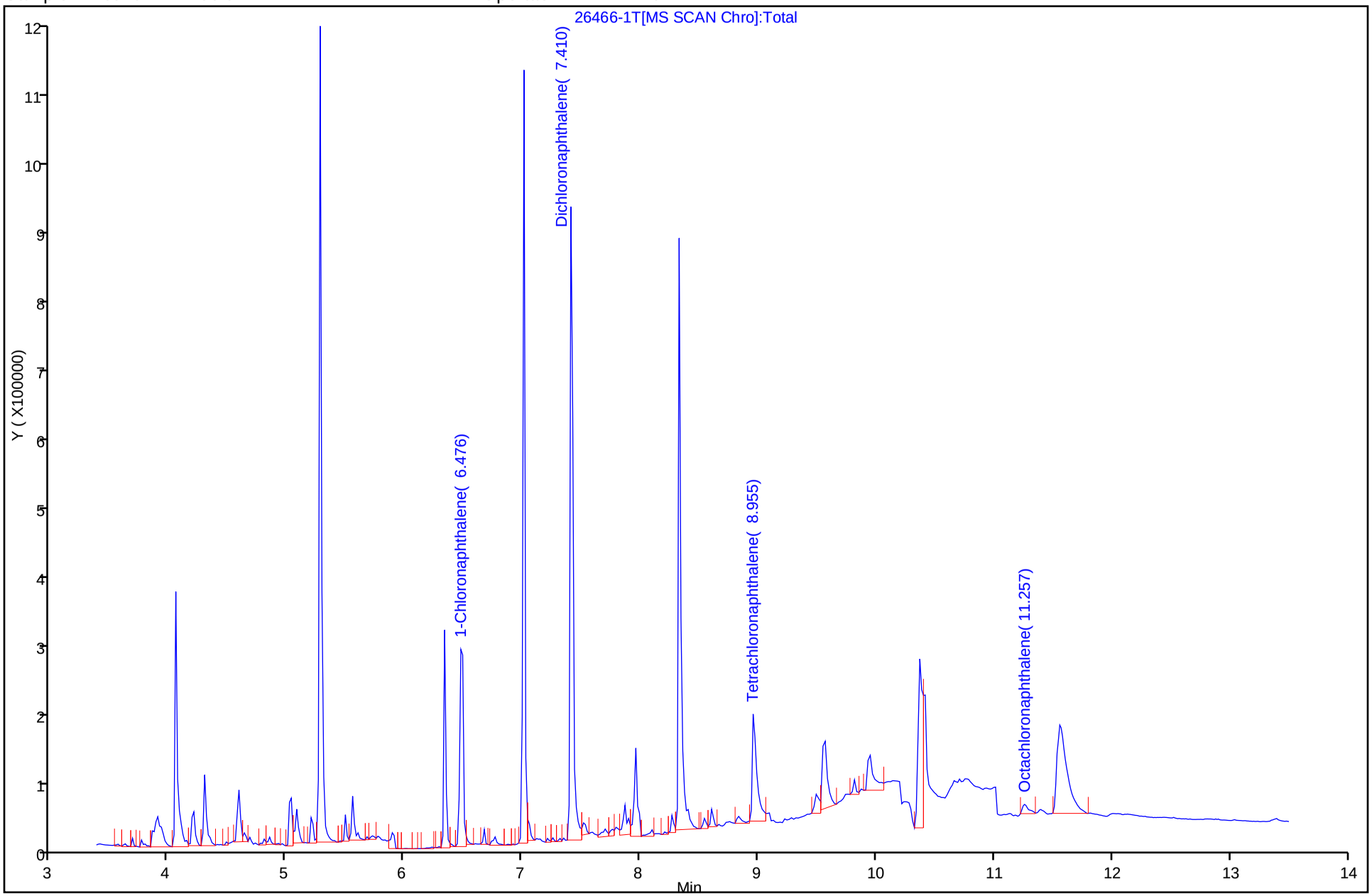
Inj Date: 16-Jul-2010 21:24:30 Limit Group: MSBNA_SIM_H_ICAL

Lims Batch ID: 89756 Lims Sample ID: 23

Client ID: Instrument: CMS01

Sample Info: 500-26466-A-1-C MSD

Sample Amount: 1.00 ul Operator: JAB



Chrom Revision: 1.2 25-May-2010 11:47:28
Manual Integration/User Assign Peak Report

Data File:	\\chi-svr07\chromdata\CMS01\20100716-698.b\26466-1T.D		
Inj Date:	16-Jul-2010 21:24:30	Limit Group:	MSBNA_SIM_H_ICAL
Lims Batch ID:	89756	Lims Sample ID:	23
Client ID:		Instrument:	CMS01
Sample Info:	500-26466-A-1-C MSD		
Sample Amount:	1.00 ul	Operator:	JAB

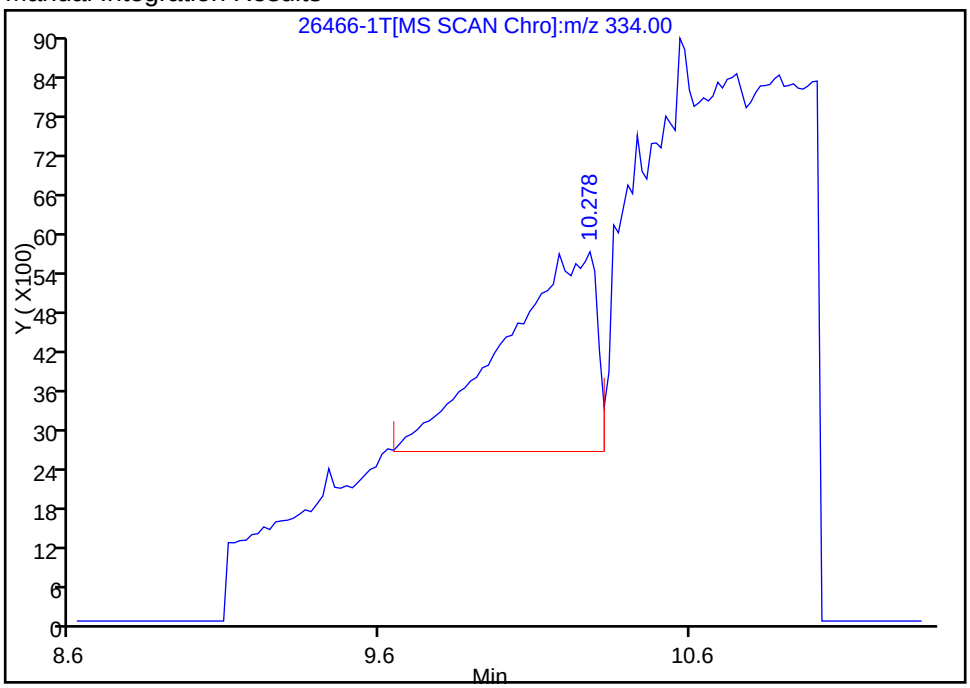
10 Hexachloronaphthalene, Signal: 1, m/z: 334.0 Type: quant, RT: 9.91

Processing Integration Results

Not Detected
Expected RT: 9.91

Manual Integration Results

RT: 10.28
Response: 65383
Amount: 2.283426



Reviewer: rynkarg, 19-Jul-2010 10:50:01
Audit Action: Manually Integrated
Audit Reason: Baseline

Chrom Revision: 1.2 25-May-2010 11:47:28

Manual Integration/User Assign Peak Report

Data File:	\\chi-svr07\chromdata\CMS01\20100716-698.b\26466-1T.D		
Inj Date:	16-Jul-2010 21:24:30	Limit Group:	MSBNA_SIM_H_ICAL
Lims Batch ID:	89756	Lims Sample ID:	23
Client ID:		Instrument:	CMS01
Sample Info:	500-26466-A-1-C MSD		
Sample Amount:	1.00 ul	Operator:	JAB

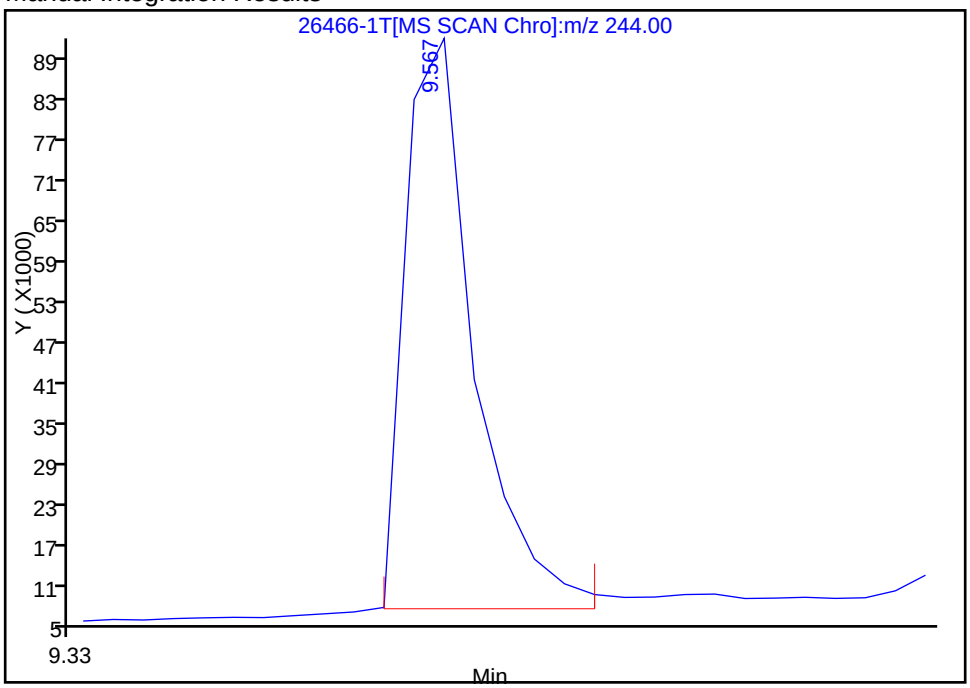
$ 18 Terphenyl-d14, Signal: 1, m/z: 244.0 Type: quant, RT: 9.51

Processing Integration Results

Not Detected
Expected RT: 9.51

Manual Integration Results

RT: 9.57
Response: 255715
Amount: 3.276915



Reviewer: rynkarg, 19-Jul-2010 10:48:41
Audit Action: Manually Integrated
Audit Reason: Baseline

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Chicago Job No.: 500-26466-1

SDG No.:

Instrument ID: CMS01 Start Date: 07/16/2010 13:20

Analysis Batch Number: 89756 End Date: 07/16/2010 21:24

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 500-89756/1		07/16/2010 13:20	1	1D0716.D	ZB5MS 0.25(mm)
STD05J 500-89756/2 IC		07/16/2010 14:01	1	STD05J.D	ZB5MS 0.25(mm)
STD1I 500-89756/3 IC		07/16/2010 14:21	1	STD1I.D	ZB5MS 0.25(mm)
STD2H 500-89756/4 IC		07/16/2010 14:42	1	STD2H.D	ZB5MS 0.25(mm)
STD4G 500-89756/5 IC		07/16/2010 15:02	1	STD4G.D	ZB5MS 0.25(mm)
STD5F 500-89756/6 ICIS		07/16/2010 15:22	1	STD5F.D	ZB5MS 0.25(mm)
STD10E 500-89756/7 IC		07/16/2010 15:42	1	STD10E.D	ZB5MS 0.25(mm)
STD15D 500-89756/8 IC		07/16/2010 16:02	1	STD15D.D	ZB5MS 0.25(mm)
STD20C 500-89756/9 IC		07/16/2010 16:22	1	STD20C.D	ZB5MS 0.25(mm)
STD15B 500-89756/10 IC		07/16/2010 16:42	1	STD15B.D	ZB5MS 0.25(mm)
STD20A 500-89756/11 IC		07/16/2010 17:03	1	STD20A.D	ZB5MS 0.25(mm)
MB 500-89377/1-A		07/16/2010 17:43	1	89377M.D	ZB5MS 0.25(mm)
MB 500-89207/1-A		07/16/2010 18:03	1	89207M.D	ZB5MS 0.25(mm)
500-26466-5	FB070210	07/16/2010 18:23	1	26466-5.D	ZB5MS 0.25(mm)
LCS 500-89207/2-A		07/16/2010 18:43	1	89207BS.D	ZB5MS 0.25(mm)
LCSD 500-89207/3-A		07/16/2010 19:03	1	89207BD.D	ZB5MS 0.25(mm)
LCS 500-89377/2-A		07/16/2010 19:23	1	89377BS.D	ZB5MS 0.25(mm)
500-26466-2	HD-12 (2-2.5)	07/16/2010 19:44	1	26466-2.D	ZB5MS 0.25(mm)
500-26466-3	HD-11 (0-0.5)	07/16/2010 20:04	1	26466-3.D	ZB5MS 0.25(mm)
500-26466-4	HD-11 (2-2.5)	07/16/2010 20:24	1	26466-4.D	ZB5MS 0.25(mm)
500-26466-1	HD-12 (0-0.5)	07/16/2010 20:44	1	26466-1.D	ZB5MS 0.25(mm)
500-26466-1 MS	HD-12 (0-0.5) MS	07/16/2010 21:04	1	26466-1S.D	ZB5MS 0.25(mm)
500-26466-1 MSD	HD-12 (0-0.5) MSD	07/16/2010 21:24	1	26466-1T.D	ZB5MS 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Chicago Job No.: 500-26466-1

SDG No.:

Instrument ID: CMS01 Start Date: 07/20/2010 08:33

Analysis Batch Number: 89883 End Date: 07/20/2010 10:28

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 500-89883/1		07/20/2010 08:33	1	1D0720.D	ZB5MS 0.25(mm)
CCV 500-89883/2		07/20/2010 09:25	1	1CCV0720.D	ZB5MS 0.25(mm)
MB 500-89207/1-A RA		07/20/2010 10:08	1	89207M.D	ZB5MS 0.25(mm)
500-26466-2 RA	HD-12 (2-2.5) RA	07/20/2010 10:28	1	26466-2.D	ZB5MS 0.25(mm)

Organic Prep Worksheet

Batch Number: 500-89207
Method: 3510C
Analyst: Dillman, Jessica

Date Open: Jul 08 2010 9:15AM
Batch End: Jul 08 2010 10:00AM

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	EXBNASIMSW_00008	SMHALOSPK_00010
MB~500-89207/1		3510C, 8270C		1000 mL	1.0 mL	500 uL	
LCS~500-89207/2		3510C, 8270C		1000 mL	1.0 mL	500 uL	1000 uL
LCSD~500-89207/3		3510C, 8270C		1000 mL	1.0 mL	500 uL	1000 uL
500-26466-B-5	FB070210	3510C, 8270C	T	1070 mL	1.0 mL	500 uL	

Organic Prep Worksheet

Batch Number: 500-89377
Method: 3541
Analyst: Werner, Sean T

Date Open: Jul 12 2010 7:48AM
Batch End: Jul 12 2010 11:00AM

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	EXBNASIMSW_00008	SMHALOSPK_00010
MB~500-89377/1		3541, 8270C		15.0000 g	0.5 mL	250 uL	
LCS~500-89377/2		3541, 8270C		15.0000 g	0.5 mL	250 uL	500 uL
500-26466-A-1	HD-12 (0-0.5)	3541, 8270C	T	15.8626 g	0.5 mL	250 uL	
500-26466-A-1~MS	HD-12 (0-0.5)	3541, 8270C	T	15.4216 g	0.5 mL	250 uL	500 uL
500-26466-A-1~MSD	HD-12 (0-0.5)	3541, 8270C	T	15.2461 g	0.5 mL	250 uL	500 uL
500-26466-A-2	HD-12 (2-2.5)	3541, 8270C	T	15.7371 g	0.5 mL	250 uL	
500-26466-A-3	HD-11 (0-0.5)	3541, 8270C	T	15.5387 g	0.5 mL	250 uL	
500-26466-A-4	HD-11 (2-2.5)	3541, 8270C	T	15.3731 g	0.5 mL	250 uL	

Extraction Date: 7/8/10
Method Code: ~~DH~~ 7/8/10 3510 B270C_SIM
Solvent: DCM
Solvent Lot No.: J20J00

TestAmerica Chicago
Organic Extraction Record
GC/MS Semi-Volatiles

Page No.:
Batch No.: 89207
Analyst Initials: JD
Balance ID No.:

Acid/Base (circle & define): 50% H_2SO_4 10N N20H Lot No.: H35F03 | H42K51 Sodium Sulfate Lot No.: J07622
Filter Paper Lot #

Matrix:
a. Water
b. Soil
c. Other

Extraction Method:
a. SW-846 3510 (Sep Funnel)
b. SW-846 3550 (Sonication)
c. SW-846 3580 (Waste Dil.)
d. SW-846 3520 (Cont.)
e. SW-846 3541 (Soxhlet)
f. Other:

Method Extraction Times:
Start Time: 09:15
End Time: 10:00

	Sample #	Sample ID	ICOC	pH[1]			Initial Vol/Wt. (mLs/g)	Final Vol.[2] (mLs)	Conc.	Clean-Up Absorbent	Surr.	Spik
1	89207 MB			6	2	12	1000	1.0	SS		1	
2	↓ LCS			6	2	12	1000	↓	↓		1	1
3	↓ LCSD			6	2	12	1000	↓	↓		1	1
4	500-26466-5		✓	6	2	12	1070	↓	↓		1	
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												

[1]Sample pH / Acid Adjusted pH / Base Adjusted pH
[2]The extract volume for BNAs is ~0.8 mLs when the final volume is documented as 1.0 mL. Final volume adjustment is completed in the BNA dep

X Insufficient Sample for MS/MSD ___ MS/MSD Designated ___ MS/MSD Chosen * Emulsion Centrifuged

Thermometer: _____ Soxtherm Unit ID _____
Soxtherm Temp-C _____

Comments/Variance: _____

Surrogate: BNA Surrogate SIM Working A1 Volume: 500 ul Std. ID#: EXBNASIMSW_0000
LCS/MS Solution: Halowax Spike B1 Volume: 1000 ul Std. ID#: ESMHALOSPK-000
LCS/MS Solution: N/A Volume: _____ Std. ID#: 7/8/10

Analyst Signature: Jessica Dillman Date: 7/8/10
Reviewer Signature: [signature] Date: 7/20/10

Extraction Custody Record

Extracts Transferred	Relinquished by	Date	Time	Received by	Date	Time	Reason for Trans
Complete set	Sherri Scott	7/8/10	1240	[signature]	7/8/10	1321	

Analysis Custody Record

Sample(s)	Date/Time Out	Date/Time In	Analyst	Sample(s)	Date/Time Out	Date/Time In	Analyst
Complete set		7/8/10 1321	[signature]				
Complete set	7/16/10 1200	7/16/10 1600	[signature]				

Extraction Date: 07/12/10
Code: 354, 8270 SIM
Spk Num; Aroclors (10)
Lot No.: 317E02

TestAmerica Chicago
Organic Extraction Record
GC/MS Semi-Volatiles

07/12/10

Batch No.: 89377
Analyst Initials: SJ
Balance ID No.: 1951

Base (circle & define): _____ Lot No.: _____
Copper Lot #

Sodium Sulfate Lot No.: 307622

Extraction Method:
a. SW-846 3510 (Sep Funnel)
b. SW-846 3550 (Sonication)
c. SW-846 3580 (Waste Dil.)
d. SW-846 3520 (Cont.)
e. SW-846 3541 (Soxhlet)
f. Other: _____

Method Extraction Times:
Start Time: 0848
End Time: 1600

	Sample #	Sample ID	ICCC	pH[1]	Initial Vol/Wt. (mL/g)	Final Vol.[2] (mLs)	Conc.	Clean-Up Absorbent	Surr.	Spike
1	89377 -MB				15.000	0.5			/	
2	" -LCS				15.000				/	/
3	500-26966 -1		✓		15.8626				/	
4	-1MS		✓		15.4216				/	/
5	-1MD		✓		15.2461				/	/
6	-2		✓		15.7871				/	
7	-3		✓		15.5387				/	
8	-4		✓		15.3731				/	
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										

[1] Sample pH / Acid Adjusted pH / Base Adjusted pH
[2] The extract volume for BNAs is ~0.8 mLs when the final volume is documented as 1.0 mL. Final volume adjustment is completed in the BNA dept.

___ Insufficient Sample for MS/MSD ___ MS/MSD Designated ✓ MS/MSD Chosen * Emulsion Centrifuged

Thermometer: C-224 Soxtherm Unit ID: C-2290 C-2291 C-2292 C-2293
Soxtherm Temp•C: 137.9 138.3 137.8 136.6

Comments/Variance: _____

Surrogate: Broad Surrogate STM 02 Volume: 250 Std. ID#: Extra Surr 0608
BS/MS Solution: Halo Spike n/a 5.0 07/12 AD Volume: 500 Std. ID#: Smbalo Spk 0910
BCS/MS Solution: _____ Volume: _____ Std. ID#: _____

Analyst Signature: _____ Date: 07/12/10
Reviewer Signature: _____ Date: 07/13/10

Extraction Custody Record

Extracts Transfered	Relinquished by	Date	Time	Received by	Date	Time	Reason for Transfer
		07/12/10	1000		7/13/10	1022	

Analysis Custody Record

Sample(s)	Date/Time Out	Date/Time In	Analyst	Sample(s)	Date/Time Out	Date/Time In	Analyst
Extracts		7/13/10 1122					
Completed	7/16/10 1200	7/16/10 1600					

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

Chain of Custody Record

Lab Job #: 500-26966

Chain of Custody Number:

Page 1 of 1

Temperature °C of Cooler: 2.2

(optional)

Report To
Contact: Carolyn Spinapolice
Company: Brown & Caldwell
Address: 110 Commerce Drive
Address: Allendale NJ 07401
Phone: 201 574-4746
Fax: 201 236-1607
E-Mail: CSpinapolice@Brwncald.com

(optional)

Bill To
Contact:
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Client: Brown + Caldwell
Client Project #:
Project Name: El Paso - Soil + Drainage Sampling
Project Location/State: Fords NJ
Lab Project #:
Sampler: TMS JAS
Lab PM:
Preservative:
Parameter: PCN

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	PCN	Comments
1		HD-12 (0-0.5)	7/2/10	1055	1	SO	X	
2		HD-12 (2-2.5)	7/2/10	1100	1	SO	X	
3		HD-11 (0-0.5)	7/2/10	1130	1	SO	X	
4		HD-11 (2-2.5)	7/2/10	1135	1	SO	X	
5		FB070210	7/2/10	1205	2	W	X	

Turnaround Time Required (Business Days): standard
___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days _____ Other
Requested Due Date: _____

Sample Disposal
☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
	BC	7/2/10	1500		TA	7/3/10	0900
Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier:
Shipped: FX
Hand Delivered:

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments:

Lab Comments:

TestAmerica Chicago
Internal Sample Custody Transfer Record

Job #: 500-26466 Client: BC

Sample No.	Analysis	Relinquished by:	Received by:	Date	Time	Comments
5	8270		Jessica D'Olne	7/8/10	09:10	
↓	↓	Jessica D'Olne		7/8/10	09:30	
1-4				07/12/10	0705	
1-4				07/12/10	0800	

CHI-22-11-001/D-7/07

Login Sample Receipt Check List

Client: Brown and Caldwell

Job Number: 500-26466-1

Login Number: 26466
List Source: TestAmerica Chicago
Creator: Lunt, Jeff T
List Number: 1

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	2.2
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the 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	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	