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January 28, 2015

New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, New York 12233-7014

Attn: John Spellman, P.E.

Re: *Final (January 2015) Remedial Investigation Report*
Chevron Troy Asphalt Terminal
7 Water Street
Troy, New York
NYSDEC Site No. 4-42-029
TRC Job No. 194098

Dear Mr. Spellman:

On behalf of Chevron Products USA/Chevron Environmental Management Company, TRC Environmental, Inc. is submitting the attached Revised Remedial Investigation Report. The report has been revised to address comments in your letter dated June 20, 2014 and subsequent email of January 23, 2015.

If you have any questions or need additional information, please contact me at jpotenza@trcsolutions.com or call (908)988-1669.

Very truly yours,

TRC RAVIV ASSOCIATES, INC.

John C. Potenza, P.G. LSRP
Sr. Project Manager/Geologist

cc: Brian Connors - Chevron Environmental Management Company

REMEDIAL INVESTIGATION REPORT

FORMER CHEVRON ASPHALT COMPANY
TROY ASPHALT FACILITY
7 Water Street
Troy, New York

NYSDEC SITE NO. 4-42-029B

Project No. 194098

October 2013
Finalized January 2015

Prepared For:

Chevron Environmental Management Company
Perth Amboy, New Jersey

Prepared By:

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1.0 INTRODUCTION

On behalf of Chevron Products USA/Chevron Environmental Management Company (Chevron), TRC Environmental, Inc. (TRC) has prepared this Remedial Investigation (RI) Report to summarize the assessment of surface and subsurface soils at the former Chevron Asphalt Facility, (the site) located at 7 Water Street in Troy, New York, currently owned and managed by Chevron.

The RI activities described herein were conducted in accordance with the Remedial Investigation Workplan dated December 5, 2012 submitted to the New York State Department of Environmental Conservation (NYSDEC) Division of Environmental Remediation (DER) and approved by the NYSDEC on March 25, 2013.

2.0 SITE DESCRIPTION

2.1 Site Location

The Chevron Asphalt Facility is located at 7 Water Street in the City of Troy, Rensselaer County, New York. Troy is located approximately 12 miles northeast of the City of Albany. The facility is currently inactive and occupies approximately nine acres located on the west side of Water Street. The site is bordered to the west by the Hudson River, to the east by River Road, railroad tracks and a wooded area, to the north by the former King Fuels property and the south by the former Vinci Oil property. A Site Location Map (United States Geological Society (USGS) *7.5-Minute Topographic Quadrangle, South Troy, NY*, 1980) is provided in Figure 1.

The subject property (along with several surrounding properties) was formerly owned and operated by the Niagara Mohawk Power Corporation (Niagara Mohawk), the operator of a former manufactured gas plant (MGP) from approximately 1925 to the mid 1950's. The former MGP operations were divided into four areas; Area 1 through Area 4. The Chevron Asphalt Facility is located on a portion of Area 3. A Site Plan depicting the boundaries of the site is provided on Figure 2.

2.2 Land Use

The site is located immediately adjacent to the eastern bank of the Hudson River in a developed urban industrial, commercial and residential setting. The properties surrounding the Chevron Facility include a former MGP site (Area 2) located north and upstream of the Chevron property; and a previously remediated tar disposal area located downstream and south of the Chevron property (Area 4). The land to the east of the site is a vacant wooded area that rises steeply up to a residential area. There is a former steel manufacturing facility located approximately 500 feet northeast of the Chevron property, known as the Protec property. Railroad tracks, an access road, residential and light commercial properties are located east and hydraulically upgradient of the site. A portion of the railroad track currently extends onto the

Chevron property and historically additional portions of the railroad track configurations have existed on-site prior to Chevron's ownership of the property that are now beneath up to 10 feet of fill. The site is situated underneath the NYS Route 378 Troy-Menands Bridge which traverses the property in an east-west direction, and there are bridge footings located on the site. A major gas main runs beneath the NYS Route 378 Troy-Menands Bridge and crosses beneath the Hudson River at this location.

2.3 Topography

The site area is situated on a relatively flat terrace adjacent to the east bank of the Hudson River. A steep slope (shale outcrop) rises to the east of the site. The terrace upon which the site is situated was gradually built up prior to Chevron's ownership in the early part of the 20th century by extensive filling with slag, cinders, ash, brick, gravel, and other materials. Various types of brick and construction debris are present along the shoreline of the Hudson River adjacent to many portions of the site. Historical photographs show the former shoreline of the Hudson River was a gentle slope that was built up over time through the addition of fill material. Currently the riverbank slope extends about 22 feet down from the site to the edge of water. The slope is steep, heavily wooded and there are several small surficial drainage swales and storm outfalls present. A series of railroad tracks were present along the shoreline and have apparently been buried by fill. The historical air photo review shows the site was filled in the mid-1930's, prior to Chevron's purchase of the property.

2.4 Surface Water and Wetlands

The nearest surface water body is the Hudson River, located to the west immediately adjacent to the site. There is a small creek, known as Wynants Kill (AKA Burden Creek) that outfalls to the Hudson River approximately 1200 feet north (upstream) of the site. There are no significant wetland areas in the vicinity of the site.

2.5 Geology and Hydrogeology

The ground surface of the site is occupied by a significant thickness of iron slag, coal slag, masonry and brick fragments, coarse sand, demolition debris and other artificial fill with little to no organic constituents ranging from less than 5 feet to approximately 40 feet. The fill overlies a sequence of alluvial, glaciofluvial, and glaciolacustrine deposits that in aggregate range in thickness from about 5 to 70 feet. These unconsolidated deposits include alluvium (primarily silt with varying amounts of sand, clay and organic matter), glaciofluvial outwash (sand and gravel), glaciolacustrine deposits (silt, stiff gray clay and fine sand), and thin, discontinuous lenses of glacial till. These various unconsolidated units do not form continuous layers under the site; they occur as layers and lenses of varying thicknesses that are interbedded with each other.

The glaciofluvial outwash forms the greater part of the unconsolidated sequence, with thickness as great as 40 feet. The alluvium is absent in many places, and reaches thicknesses of 18 feet in others; the same is true of the glaciolacustrine deposits. The till, where present at the bottom of the sequence directly over bedrock, forms lenses with a maximum thickness of 5 feet.

According to the Geologic Map of New York, Hudson-Mohawk Sheet (New York State Museum, 1970), the bedrock under the site consists of Utica Shale, Canajoharie Shale and/or Normanskill Shale belonging to the Lorraine, Trenton and Black River Groups. These Groups date from the Upper to Middle Ordovician Period and range to approximately 4,500 feet in thickness.

Ground water is encountered in the lower portions of the fill and within the native unconsolidated material underlying the fill. The water table occurs at approximately 20 to 30 feet below the ground surface. Based on water levels measured in the four monitoring wells in Area 3, ground water is inferred to flow generally to the west, toward the Hudson River and does not appear to occur within the fill.

2.6 A Fish and Wildlife Impact Analysis

Based on a review of the U.S. Fish and Wildlife Trust Resources List, no endangered species are present or potentially present at the site and no sensitive habitats are located on the site. A Fish and Wildlife Impact Analysis is included as Appendix F.

3.0 OPERATIONAL HISTORY

3.1 Environmental and Regulatory History

In 1996, a portion of the site was formally designated as an inactive hazardous waste disposal site (IHWDS) by the NYSDEC. According to the NYSDEC, operation of “the former manufactured gas plant has resulted in the disposal of hazardous waste” in areas of the site, “some of which has migrated from the site to surrounding areas, including Hudson River sediments” (NYSDEC, 2000, Record of Decision [ROD] for the Area 4 Operable Unit #1 at the Niagara Mohawk Troy-Water Street Former MGP Site).

The Niagara Mohawk Troy-Water Street Former MGP Site was divided into four areas for investigational purposes with the approval of the NYSDEC. The four areas are:

- **Area 1** Located immediately west of the Hudson River (across the river from Areas 2, 3 and 4), on Breaker Island;
- **Area 2** Located immediately east of the Hudson River, the location of former coking and gas plant production, and associated MGP waste generation operations, currently owned by King Fuels;
- **Area 3** Located immediately east of the Hudson River, immediately south of and adjacent to Area 2, currently owned by Chevron, consisting of Chevron’s inactive asphalt terminal; and
- **Area 4** Located immediately east of the Hudson River and south of Area 3, former disposal area for coal tars and other wastes, currently owned by the County of Rensselaer and Rensselaer County Sewer District No 1.

Each of the four areas were suspected by the NYSDEC of being part of operational or disposal activities associated with Niagara Mohawk's former MGP plant. Areas 1, 2 and 4 have been or are in the process of being investigated or remediated by Niagara Mohawk pursuant to the 1992 Order. Chevron has conducted environmental investigations at Area 3 from 1993 through 2013.

3.2 Niagara Mohawk MGP Operations

Under the ownership of a variety of different companies, portions of the site were used for the production of iron and steel from the mid-1860's to approximately the 1920's. Slag and other waste materials generated during steel manufacturing were used to raise the grade of the site; by 1925 many areas of the entire site were underlain by 20 to 40 feet of fill consisting of slag, cinders and other waste material from industrial operations. Historical maps and aerial photographs for Area 2 and Area 4 show that filling occurred from as early as 1914 to approximately 1925. The western end of the former channel of Wynants Kill was filled around 1930 and a new straight canal was constructed (Samuel W. Gowan, April 17, 2001).

Niagara Mohawk Power Corporation (Niagara Mohawk) or its predecessor company owned and operated a manufactured gas plant (MGP) at the site from approximately 1925 into the 1950's. During the period of Niagara Mohawk's operations, a variety of coal-derived products were made for sale including coke, coal gas, coal tars, sulfate of ammonia and benzol. Coal tar and associated substances (MGP wastes) were disposed at the site and are found in a limited area and depth in soil underlying the site. The disposal of MGP wastes has been acknowledged by Niagara Mohawk, resulting in the New York State Department of Environmental Conservation (NYSDEC) entering into an Order on Consent with Niagara Mohawk to investigate and remediate MGP wastes at the former MGP site. The Order on Consent was executed on November 16, 1992.

During Niagara Mohawk's MGP operations, the property currently owned by Chevron (Area 3) was used primarily for coal storage. No coal gas manufacturing took place on the property and primary waste disposal took place south of the Chevron property in Area 4.

3.3 Chevron Operations

In January 1955, Chevron's predecessor, American Bituminous & Asphalt Company purchased Area 3 south of the Troy-Menands Bridge (New York State Route 378 Bridge) and Area 4 from Republic Steel Corporation. Most of the manufacturing portion of the former MGP Site (Area 2) was sold by Republic Steel to King Fuels in 1968. In 1958, American Bituminous purchased the small portion of what is now Area 3 north of the Troy-Menands Bridge. In 1965, America Bituminous became Chevron Asphalt Company.

American Bituminous, and subsequently Chevron Asphalt Company, formerly produced and stored asphalt and other road construction materials for sale to the surrounding community. The facility was operational from 1953 to approximately 1999. The facility would obtain refined asphalt by barge or rail, store the asphalt in large above ground storage tanks (ASTs) and subsequently load the asphalt into the customer's tanker trucks.

Asphalt received from barges was unloaded at an off-site dock located approximately 350 feet north (upstream) of the site. The dock was leased from King Fuels. An above-ground pipeline formerly extended from the Chevron facility to the dock. Chevron and its predecessor, American Bituminous & Asphalt Company, maintained an easement for maintaining and operating pipelines to King Fuel's (and formerly Republic Steel's) docks.

Asphalt was moved from barges to storage tanks through a series of heated pipes that maintained the asphalt at sufficiently high temperature such that the material would flow. The asphalt was transferred from the ASTs through pipes to above ground loading racks, which then dispensed the product into the customer's tanker truck. All of the piping used in this system was above ground.

An asphalt emulsion mixing process was performed in a building at the southern end of the site. The purpose of the emulsion operation was to blend asphalt and water, two immiscible materials, through the addition of an emulsifying agent, such as fatty acids, which would promote the emulsification and keep the emulsified asphalt stable. The emulsified asphalt was then sold by Chevron. The emulsion agents and blended products were stored in ASTs adjacent to the emulsion building.

Chevron's asphalt facility operations resulted in the generation of limited process wastewater consisting primarily of non-contact boiler blowdown water. Chevron operated on-site boilers to create steam to keep asphalt transfer pipes and storage tanks heated. The boiler blowdown water consisted of water and any dissolved constituents that build up in the water. As water evaporates within a boiler, dissolved solids present in the water tend to build up over time, resulting in what is typically known as "scale." Boiler blowdown is the removal of water from the boiler to prevent the accumulation of scale. Petroleum or similar types of constituents would not be expected to be found in non-contact boiler blowdown water.

4.0 PREVIOUS INVESTIGATIONS

4.1 Phase I and Limited Phase II ESA - 1993

A Phase I and Limited Phase II was conducted for the subject property in 1993 by Ecology and Environment, Inc. (E&E). The Phase I was conducted to identify potential environmental liabilities associated with a property transfer. The Phase II investigation was limited to the collection of ground water samples from each of four wells located at the site, collection of potential asbestos-containing material (ACM) samples of wallboard in the boiler room and the collection of two surface soil samples near the bridge construction area, to assess sandblasting residue from the bridge construction. The findings of the Phase I/II work indicated that two areas of soil impacts discovered were related to bridge construction activities, specifically sandblasting and a machine fluid leak, and were not related to site activities. ACM had previously been identified and removed from the site. Ground water samples exhibited concentrations of the PAHs acenaphthene, fluoranthene and naphthalene; and the metals cadmium, lead and arsenic at concentrations exceeding the ground water quality standards in place at the time. E&E recommended

periodic monitoring of ground water at the site. A copy of the 1993 Phase I/Limited Phase II Environmental Site Assessment Report produced by E&E was provided in Appendix C of the RI Workplan.

4.2 Site Characterization - 2001

In 2001 Dan Raviv Associates (predecessor of TRC) produced the Expert Report in the Matter of Niagara Mohawk Power Corporation, Plaintiff Against Consolidated Rail Corporation, et. al. (Expert Report) for the subject property (Area 3). This report summarizes the documented site history and presents the results of a preliminary site characterization of Area 3 conducted during 2000 and 2001. The investigation described in this report was conducted to provide a professional opinion about the technical and regulatory environmental issues concerning the subject site, and to support litigation activities between the historical owners and operators of the site. The investigation was conducted to assess the presence or absence of environmental impacts related to site activities and activities at adjacent parcels (Area 2 and Area 4), and to differentiate the type of contaminants (e.g., coal tar or asphalt). The work was not conducted under any regulatory program, and was not reviewed by the NYSDEC. A copy of the Expert Report produced by Dan Raviv Associates was provided in Appendix D of the RI Workplan and analytical data was shown on Figure 3 and summarized in Tables I through VI of the RI Workplan.

4.3 Site Investigation - 2005

In 2005 TRC Raviv Associates (predecessor of TRC) conducted a Facility Closure Site Investigation to support Chevron's decommissioning and closure of the former asphalt facility which operated as a Major Oil Storage Facility (MOSF, License No. 4-1540) pursuant to State of New York Navigation Law. The investigation was conducted in accordance with Chevron's January 27, 2005 Site Investigation Work Plan. A report summarizing the investigation findings was submitted to the NYSDEC on July 5, 2005. A copy of the Site Investigation Report produced by TRC Raviv Associates was provided in Appendix E of the RI Workplan.

Investigation activities were focused around the areas of the former above-ground storage tanks (ASTs), and included the collection of surficial and sub-surface soil samples, grab-type groundwater samples from selected soil borings and groundwater samples from the four monitoring wells located in Area 3.

Forty soil borings were completed during the investigation. Of those, 15 were completed to a depth of 20 feet below ground surface (feet bgs). The remaining 25 were completed to depths ranging from 3 to 16 feet bgs. Soils were visually examined for evidence of contamination and field-screened using a photoionization detector (PID) to screen for volatile organic vapors. Samples were also collected for laboratory analysis for VOCs and SVOCs. The findings of the 2005 investigations indicated that there are surface soils affected by the presence of relatively low concentrations of SVOCs marginally exceeding applicable cleanup objectives. Subsurface soils, generally ranging in depth from approximately 4.0 – 14.0 feet bgs have been marginally impacted by VOCs consisting of benzene, ethylbenzene, toluene and xylenes (BTEX) compounds and various SVOCs. Local occurrences of tar-stained fill material were observed in several borings at distinct thin horizons which appear to be related to the filling of the site since either low or no impacts were observed in the soil column above the impacted zones. The data obtained during the 2005 site

investigation was presented on Figure 3 and summarized in Tables VII and VIII of the RI Workplan, and was compared to the applicable Part 375 soil cleanup objectives.

Portions of the data obtained during the 2000-2001 and 2005 investigations were reported with laboratory reporting limits that were higher than applicable cleanup objectives currently in use (Part 375 Soil Cleanup Objectives), as the Part 375 SCO's were not in place at the time of those investigations. However these data provide useful information about the overall distribution of contaminants and the relative magnitude of impacts. Therefore, historical data is presented and discussed as warranted within this RI Report in terms of its qualitative value. It was the intention of the investigation described herein to provide uniform and reliable data to support and augment historical data, and a basis for interpreting investigation results and proposing remedial actions.

5.0 REMEDIAL INVESTIGATION SCOPE AND METHODS

5.1 Applicable Standards, Criteria and Guidance (SCG)

The RI was conducted in accordance with the NYSDEC Division of Environmental Remediation (DER) Final Technical Guidance for Site Investigation and Remediation (DER-10), dated May, 2010 and the NYSDEC-approved RI Work Plan, dated December 5, 2012.

Per NYSDEC requirements, the soil sample analysis results obtained during the 2001 and 2005 site investigations, and the analytical results obtained during the remedial investigation (RI) were compared to the following Standards, Criteria and Guidance (SCGs):

- Unrestricted Use Soil Cleanup Objectives contained in 6 NYCRR Part 375, Subpart 375-6, Table 375-6.8(a), effective December 14, 2006 (Part 375-a);
- Restricted Use Soil Cleanup Objectives under the Protection of Public Health, Industrial Category contained in 6 NYCRR Part 375, Subpart 375-6, Table 375-6.8(b)), effective December 14, 2006 (Part 375-b);
- Restricted Use Soil Cleanup Objectives under the Protection of Groundwater Category, contained in 6 NYCRR Part 375, Subpart 375-6, Table 375-6.8(b), effective December 14, 2006 (Part 375-b), and;
- Commissioner Policy 51, Soil Cleanup Guidance Policy (CP-51), dated October 21, 2010.

Based on the anticipated future use of the former Chevron Asphalt Facility as non-residential industrial and/or commercial property, the applicable soil cleanup criteria are the Restricted Use Soil Cleanup Objectives referenced above. However, in accordance with DER-10, as clarified in the NYSDEC's June 20, 2014 comment letter (Appendix E), the soil analytical results are also compared to the Unrestricted Use Soil Cleanup Objectives discussed in Section 6.1, and summarized in Tables 1& 2 and on Figure 3.

5.2 Contaminants of Concern (COCs)

Figure 3 herein provides a comparison of the 2000-2001 and 2005 soil sample analysis data to the current Part 375 soil cleanup objectives. Pursuant to this comparison, the site-specific Contaminants of Concern (COCs), identified as those compounds detected at concentrations exceeding the applicable Part 375 soil cleanup objectives, include the following compounds:

Anthracene
Benzene
B(a)A = Benzo(a)anthracene
B(a)P = Benzo(a)pyrene
B(b)F = Benzo(b)fluoranthene
B(k)F = Benzo(k)fluoranthene
D(a,h)a = Dibenzo(a,h)anthracene
Chrysene
Dibenzofuran
Ethylbenzene
Fluorene
Fluoranthene
I(1,2,3-cd)P = Indeno (1,2,3-cd) Pyrene
2-Methylnaphthalene
Naphthalene
2-Nitroaniline
Phenanthrene
Pyrene
2-Methylphenol
4-Methylphenol
Toluene
Xylenes
Arsenic
Cyanide
Manganese

5.3 Site Survey

Surveying and mapping of the site was provided by a New York State Professional Licensed Surveyor (PLS). The site survey included a title search and report, metes and bounds survey, locations of physical features and structures, completed soil boring locations, tar patch locations and a topographic survey provided on an approximate 2-foot contour interval. The survey data was used to develop the Site Plan provided in Figure 2 and the Remedial Investigation Data Summary Map provided in Figure 3.

5.4 Soil Sampling

All remedial investigation activities were conducted in general accordance with DER-10, and with the Quality Assurance Project Plan (QAPP) provided in Section 4.0 of the RI Work Plan.

The investigation study area extended from the approximate mid-line of the Route 378 bridge, southward to the northern boundary of the historic Area 4 (See Section 3.3 above). Soil borings were advanced in the area extending from the eastern edge of the property, along the existing fenceline, to the western fenceline at top of the slope that descends down to the edge of the river. The riverbank slope was also visually inspected.

A total of 29 soil borings were advanced and 33 samples were analyzed to support investigation objectives. Completed soil boring locations are depicted on Figure 3. Soil borings were advanced using direct-push drilling equipment via either a truck-mounted or tracked Geoprobe® Direct-Push Technology (DPT) drill rig. The drill rig utilized either a 4-foot long, or 5-foot long 2-inch diameter steel macro-core with a dedicated acetate liner to collect a soil sample.

A geologic description was recorded for each sample. Readings of each sample were taken using a photo-ionization detector (PID), and samples for laboratory analysis were selected based on field observations, elevated PID readings, changes in lithological material and investigation objectives. Field Soil Boring Logs are contained in Appendix A.

5.5 Community Air Monitoring Plan

Concurrent with the implementation of field investigation activities, TRC implemented air monitoring in accordance with the site-specific Community Air Monitoring Plan (CAMP) provided in Appendix A of the RI Work Plan. The CAMP included real-time monitoring for COCs and particulates (i.e., dust) at the downwind perimeter of each work area during intrusive work. The CAMP was implemented by the scientist/engineer overseeing the investigation activities. Air monitoring data indicated that at no time were volatile vapors or particulates detected at levels exceeding background. Air monitoring data is provided in Appendix B.

5.6 Laboratory Analysis

Soil samples were analyzed by TestAmerica of Buffalo NY, an ELAP-certified laboratory using EPA Methods 8260 (VOCs) and 8270 (PAHs). Table 1 and Table 2 contain a summary of laboratory analytical data for VOCs and PAHs respectively. Category B laboratory report deliverables were furnished by the analytical laboratory. Laboratory data packages are provided as Appendix D in electronic format on compact disk (CD) and have been submitted electronically to the NYSDEC Environmental Information Management System.

5.7 Data Review and Validation

Laboratory data generated during the RI was submitted to Alpha Geoscience, Inc. (Alpha) of Clifton Park, New York for third party validation. The data validation protocol included a review of laboratory deliverables pertaining to the investigation sample set(s). The review was conducted based on the procedures outlined in the EPA Region II data validation guidance for volatile and semi-volatile organics by SW-846. A data usability summary report (DUSR) for the laboratory sample delivery group (SDG) pertaining to this project is provided in Appendix C. As indicated in the DUSR, the laboratory fulfilled the requirements of the analytical method. The data were mostly acceptable with some minor issues identified. Selected data were flagged as “J” (estimated) values based on either: (1) levels reported in samples were not significantly higher (more than 10 times) the highest associated blank level, or (2) results of the initial analysis were extrapolated beyond the highest calibration standard and were flagged as “E” (Exceeding calibration range) by the laboratory, and these samples were re-analyzed under a dilution factor. Laboratory electronic data deliverables (EDDs) have been formatted and uploaded to the NYSDEC EQuIS database in accordance with the requirements stated in DER-10.

5.8 Inspection of Riverbank Slope Area

A visual inspection was made of the Hudson Riverbank adjacent to the subject property (Area 3) on May 17, 2013 to identify tar and/or asphalt material on the ground surface. The inspection was completed by physically traversing the riverbank slope and shoreline and documenting visual observations. The approximate locations of existing surficial deposits of tar and/or asphalt were determined by recording geophysical coordinates surrounding the deposits using a portable global positioning system (GPS) receiver. Coordinate data was transferred to the project surveyor, and the GPS points were plotted onto the survey basemap. The mapped points were then connected to form polygons showing the approximate locations and extent of tar and/or asphalt deposits. The deposits were also photo-documented. The area of the riverbank slope inspection and the approximate locations of tar and/or asphalt deposits are shown on Figure 3.

6.0 RESULTS OF REMEDIAL INVESTIGATION

6.1 Soil Sampling

Soil borings were advanced at the 20 locations specified in the NYSDEC-approved RI Workplan, and at nine additional locations. A total of 33 primary soil samples were submitted for laboratory analysis for PAHs and 13 samples were submitted for analysis for VOCs. Observations made through the advancement of soil borings and soil sample analysis were used to evaluate subsurface conditions over the area of the site and step-out borings were completed where field observations warranted.

Consistent with historical data, field observations indicated that a fill layer consisting of iron slag, coal slag, cinders, ash, brick and masonry fragments, crushed or pulverized shale and stone, sand and gravel overlies most of the site. The fill was observed to extend to approximately 17-26 feet in depth over most of the

central area of the site, and was observed to approximately 30 feet at location DPT-05, near the northern section of the study area. The fill contained little to no organic constituents. The water table was observed at approximately 14-20 feet bgs during this investigation, generally at the fill/native material interface.

Underlying the fill material is a sequence of river and glacial lake deposits consisting of moderately dense to very dense gray, dark gray or black silt, with trace to little amounts of clay and very fine sand. The dense nature of the silt resulted in boring refusal at several locations during the RI, however the unconsolidated deposits have been reported to occur in a wide range of thickness (5–70 feet) in the general area of the site during previous investigations. The bedrock under the unconsolidated deposits consists of a thinly bedded gray to black shale.

Laboratory results were compared to the NYSDEC Unrestricted Use Soil Cleanup Objective, as well as the Restricted Use Soil Cleanup Objective. Tables 1 and 2 list the analytical data with exceedances of two criteria highlighted for clarity. It should be noted that several samples required laboratory dilutions due to high concentrations of one or more compounds that resulted in elevated detection limits; in some cases the detection limits were higher than the Unrestricted Use Soil Cleanup Objective, therefore, the laboratory reported estimated concentrations below the laboratory reporting limit.

Laboratory analytical results indicated that no samples exhibited concentrations of VOCs that exceeded cleanup objectives for industrial areas. Five samples contained VOCs above the Unrestricted Use Soil Cleanup Objective but below the Restricted Use Soil Cleanup Objective. Of the five soil samples that contained VOCs above the Unrestricted Use Soil Cleanup Objective, three contained only methylene chloride or acetone at low levels. Two soil samples (DPT-02 and DPT-16) contained low levels of BTEX compounds. PAHs were detected at concentrations exceeding industrial cleanup objectives in 7 of the 33 samples analyzed.

PAHs were found at concentrations exceeding industrial cleanup objectives at location DPT-02 (4.5-5 ft. bgs). This boring is located under the Route 378 bridge. Samples were collected from two other boring locations, DPT-01(13.5-14 ft. bgs) and DPT-05 (22.5-23 ft. bgs), adjacent to DPT-02. Neither of these samples exhibited concentrations of PAHs exceeding industrial cleanup objectives. Additionally, soil boring SB-6, completed as part of the site characterization in 2001 (See Figure 3), exhibited a concentration of benzo(a)pyrene of 2.1 mg/kg (0.5-1 ft. bgs) which only slightly exceeding the industrial cleanup objective of 1.1 mg/kg for this compound.

The soil sample collected from location DPT-24 (9-10 ft. bgs), near the west-central area of the site exhibited concentrations of PAHs exceeding cleanup objectives, however the sample collected from location DPT-07, co-located with DPT-24, from 11-11.5 ft. bgs did not exhibit any exceedances. Samples collected from DPT- 08 (3.5-4 ft. bgs) and DPT-26 (17-17.5 ft. bgs), located adjacent to DPT-24/DPT-07, also did not exhibit any exceedances; and shallow soil samples AST-21 and AST-22 (both from 0.5-1 ft. bgs), collected as part of the site investigation in 2005 also did not exhibit any exceedances.

This data indicates that PAH concentrations exceeding industrial cleanup objectives are generally localized in the vicinity of DPT-02 and DPT-24/DPT-07, and do not represent widespread areas of horizontal or vertical impacts.

Concentrations of PAHs were observed in the central area of the site at locations DPT-15 (10-11 ft. bgs), DPT-16 (9.5-10 ft. bgs), DPT-24 (9-10 ft. bgs), DPT-25 (22-23 ft. bgs), DPT-27 (12-13 ft. bgs) and DPT-29 (1-2 ft. bgs). A layer of tar-stained fill was observed at locations DPT-15, DPT-18, DPT-27, DPT-28 and DPT-29. The staining was consistently present between approximately 10-12 feet bgs, and consisted of a very thick, viscous substance, heavily embedded with silt, fine sand and fine gravel. No free liquids or mobile material was observed. The approximate extent of observed tar-stained fill is shown in Figure 3.

In all cases the detected concentrations of PAHs exceeding cleanup objectives, and observed tar-staining, were observed only in the fill material, above the silt layer. Samples from locations DPT-15 (17-17.5 ft. bgs) and DPT-17 (18.5-19.0 ft. bgs) were collected from greater depths as the samples discussed above, and these samples did not show concentrations of PAHs exceeding cleanup objectives, which indicates a vertical delineation of impacts in these borings. Samples of the silt material collected from borings DPT-09 (22.5-23 ft. bgs), DPT-11 (23-23.5 ft. bgs) and DPT-27 (22-22.5 ft. bgs) did not exhibit concentrations exceeding cleanup objectives. Additionally, several samples collected from surface or near-surface soils over the site exhibited either no detections, or lower PAH concentrations than deeper intervals.

Soil samples were collected from five soil borings: DPT-01 (13.5-14 ft. bgs), DPT-09 (22.5-23 ft. bgs), DPT-10 (4-4.5 ft. bgs), DPT-11 (23-23.5 ft. bgs) and DPT-21 (3-3.5 and 21.5-22 ft. bgs) along the eastern border of the site. None of the samples from these locations exhibited concentrations of PAHs exceeding applicable cleanup objectives. This data indicates that exceedances of cleanup objectives observed in the central area of the site, and in the DPT-24/DPT-07 and DPT-02 areas discussed above, do not extend eastward off the site.

Soil samples were collected from two soil borings: DPT-13 (7.5-8 and 15-15.5 ft. bgs) and DPT-14 (16-16.5 ft. bgs) in the vicinity of the former emulsion building. None of the samples from these locations exhibited concentrations of PAHs exceeding applicable cleanup objectives. Soil samples collected from the south side of the building in 2001 (SB-2 and S-9/S-9R), and the north side of the building in 2005 (AST-1, AST-17 and AST-18) exhibited concentrations of two PAHs that exceeded cleanup objectives. The data obtained from this RI confirms that although PAHs are present in some shallow soils in the vicinity of the building, these detections were generally low and do not indicate the presence of an extensively affected area.

Two soil borings (DPT-20 and DPT-21) were advanced near the southern perimeter of the site. None of the samples from these locations exhibited concentrations of PAHs exceeding applicable cleanup objectives.

6.2 Riverbank Slope Area

Surficial asphalt deposits were observed on the riverbank slope extending from the Route 378 bridge approximately 800 feet southward. These deposits were observed as hardened asphalt containing various amounts of embedded debris, stones, soil and organic material, that had flowed down the slope and hardened as it cooled. Ripple marks are present in some areas. In several locations the asphalt appeared to have been fragmented or shifted due to sloughing of soil on the slope itself. Asphalt deposits were observed on the slope and along the edge of water along the river. In at least three locations, asphalt deposits extended into the river, and the extent of the deposit could not be determined. The thickness of the observed asphalt was approximately 1 to 2 inches and was confined to the surface, appearing to be the result of the surface spill and not originating from the subsurface. Two severely rusted and broken 55-gallon drums were also found. The drums appeared to have formerly contained asphalt. The drums were overturned and partially buried in the ground and surrounded by smaller asphalt deposits.

7.0 CONCLUSIONS

The findings of the RI indicate that conditions at the site are generally consistent with historical results. A fill layer consisting of iron slag, coal slag, cinders, ash, brick and masonry fragments, crushed or pulverized shale and stone, sand and gravel overlies most of the site to approximately 17-26 feet in depth. The water table was encountered from approximately 14 ft. to 20 ft. bgs.

No VOCs were detected above the Restricted Use Soil Cleanup Objective in any of the soil samples analyzed. VOCs were detected in five soil samples marginally above the Unrestricted Use Soil Cleanup Objective yet orders of magnitude below the Restricted Use Soil Cleanup Objective Concentrations of PAHs are present in localized areas and depth intervals over some sections of the site. A thin zone of heavily tar-stained fill was identified in an approximate 8,000 square foot area in the central section of the site, from approximately 10 ft. to 12 ft. below the ground surface.

In areas where the most significant detections of PAHs were found (DPT-02, DPT-15, DPT-16, DPT-24, DPT-27 and DPT-29), and borings where tar was observed (DPT-15, DPT-18, DPT-27, DPT-28 and DPT-29), additional samples were collected from lower depths that were non-detect or only exhibited low concentrations of PAHs. Also, samples of the silt material collected from borings DPT-09 (22-23 ft. bgs), DPT-11 (23-23.5 ft. bgs) and DPT-27 (22-22.5 ft. bgs) did not exhibit concentrations exceeding cleanup objectives. This data generally establishes the lower limit of subsurface contamination, and confirms that the silt consists of an underlying clean zone.

Data obtained from samples collected along the eastern section of the site indicated that exceedances of cleanup objectives observed on site do not extend eastward off the site, and there are no significant concerns regarding subsurface conditions in this area.

Samples from borings advanced along the northern perimeter of the site under the bridge indicated that PAHs are present at concentrations exceeding cleanup objectives in shallow soils from location DPT-02

(4-5 ft. bgs). This data indicates that subsurface impacts are present in a localized area near the bridge. Delineation of affected areas toward the north is not technically feasible due to the presence of a large-diameter underground natural gas line that extends along the approximate centerline of the bridge.

7.1 Feasibility Study

In accordance with the June 27, 2013 Consent Order, Section IIB, Item 1, a Feasibility Study will be undertaken to develop and evaluate, using the factors in 375-1.8(f), alternatives for all contaminated media identified by the investigation of the site. The Feasibility Study is required within sixty (60) days of the NYSDEC approval of this Remedial Investigation Report.

8.0 REFERENCES

New York State Department of Environmental Conservation (NYSDEC). 2006. Subpart 375-6: Remedial Program Soil Cleanup Objectives, NYSDEC, 15 pp.

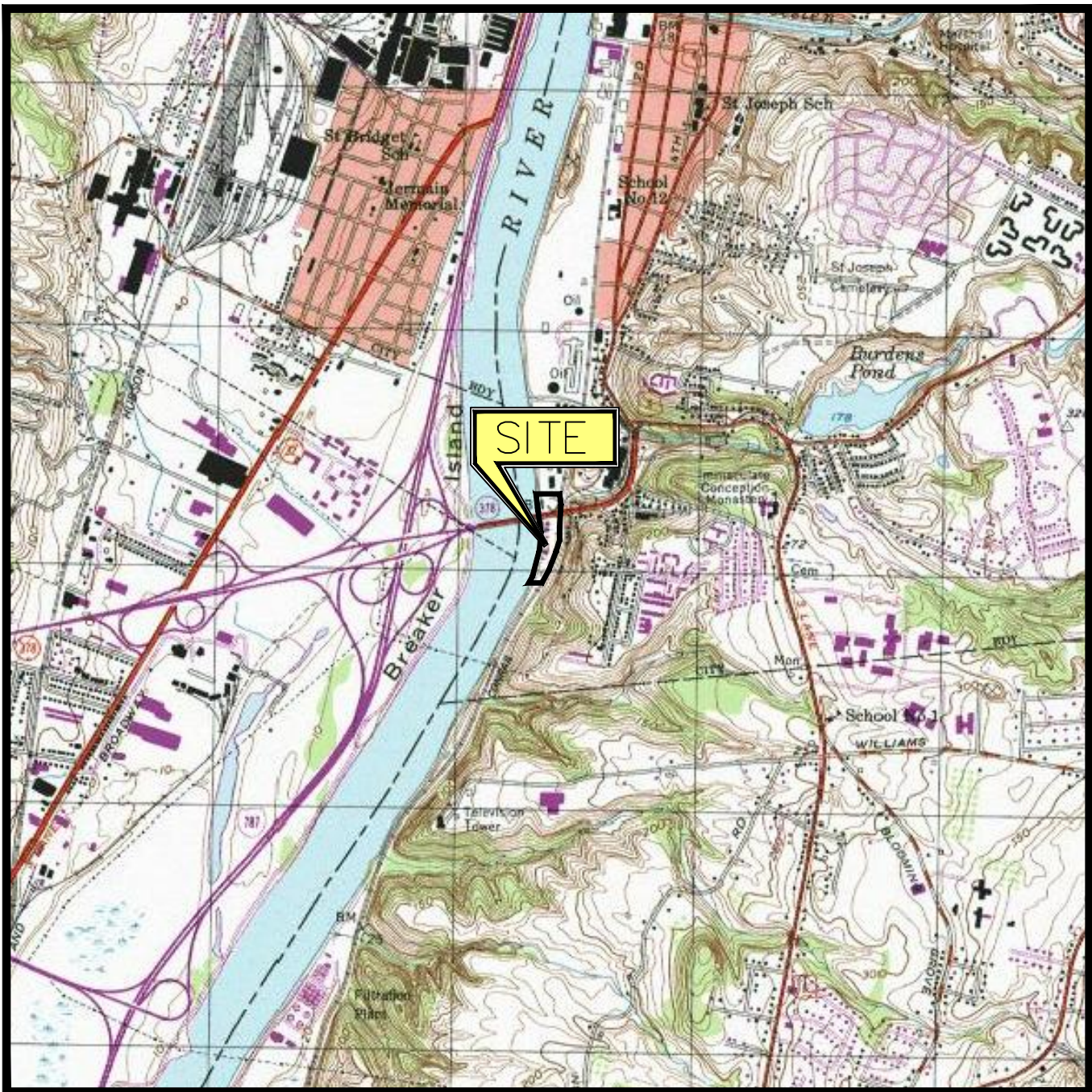
New York State Department of Environmental Conservation (NYSDEC). 2010. Commissioners Policy No. 51 (CP-51), Soil Cleanup Guidance, NYSDEC , 21 pp.

New York State Department of Environmental Conservation (NYSDEC). 2010. Division of Environmental Remediation (DER), Technical Guidance for Site Investigation and Remediation, NYSDEC, 226 pp.

Ecology and Environment, Inc. (E&E). 1993. Phase I Environmental Site Assessment, E&E, 98 pp.

Dan Raviv Associates. 2001. Expert Report in the Matter of Niagara Mohawk Power Corporation, Plaintiff Against Consolidated Rail Corporation, et. al., Dan Raviv Associates, 161 pp.

TRC Raviv Associates. 2005. Facility Closure Site Investigation Report, TRC Raviv Associates, 42 pp.



TROY SOUTH, N.Y. QUADRANGLE

0 2000 FT.

 APPROXIMATE SCALE



 **TRC ENVIRONMENTAL CORP.**
 57 East Willow Street
 Millburn, New Jersey 07041

SITE LOCATION MAP

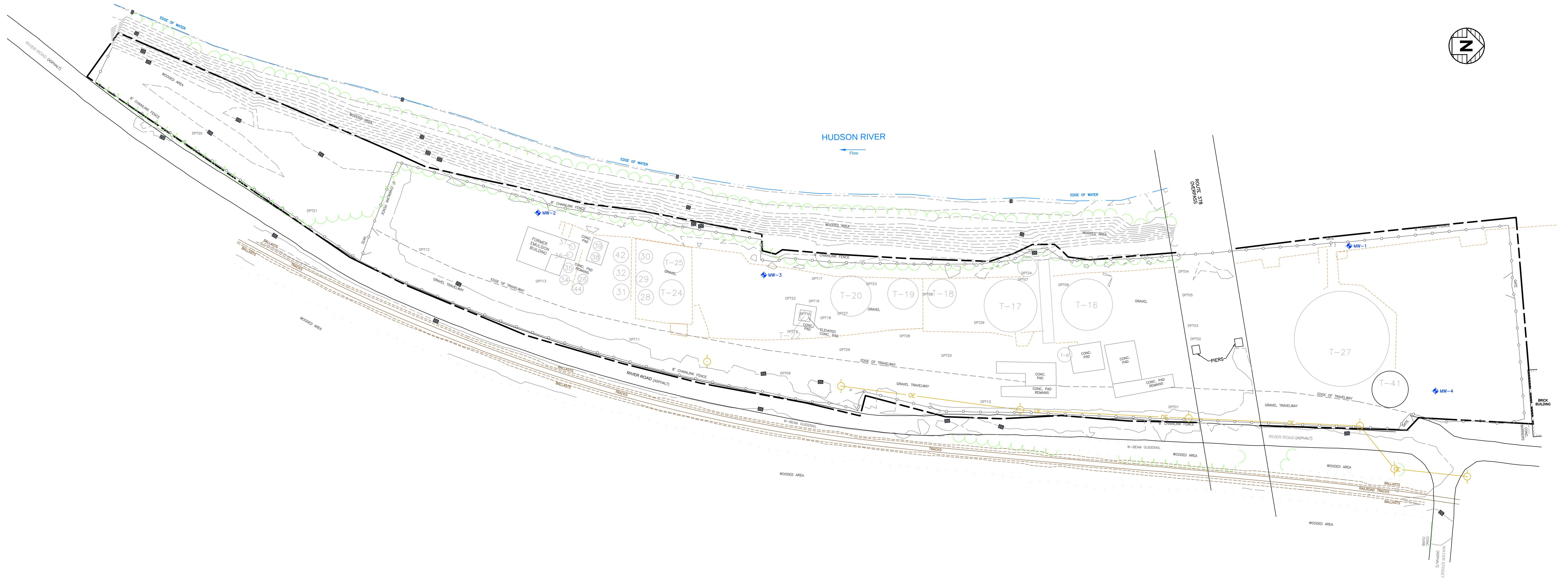
CHEVRON ASPHALT TERMINAL - TRY, NEW YORK

JOB NO. 194098

SS/ODL

DATE: OCTOBER 2012

FIGURE: 1



- LEGEND
- APPROXIMATE PROPERTY BOUNDARY
 - OE — UTILITY POLE WITH OVERHEAD ELECTRIC
 - EDGE OF WOODS
 - CHAINLINK FENCE
 - — — — — EDGE OF WATER
 - (T-24) FORMER ABOVE-GROUND STORAGE TANK
 - - - - - FORMER ABOVE-GROUND PIPING
 - MW-1 + MONITORING WELL



TRC ENVIRONMENTAL CORP.
57 East Willow Street
Millburn, New Jersey 07041

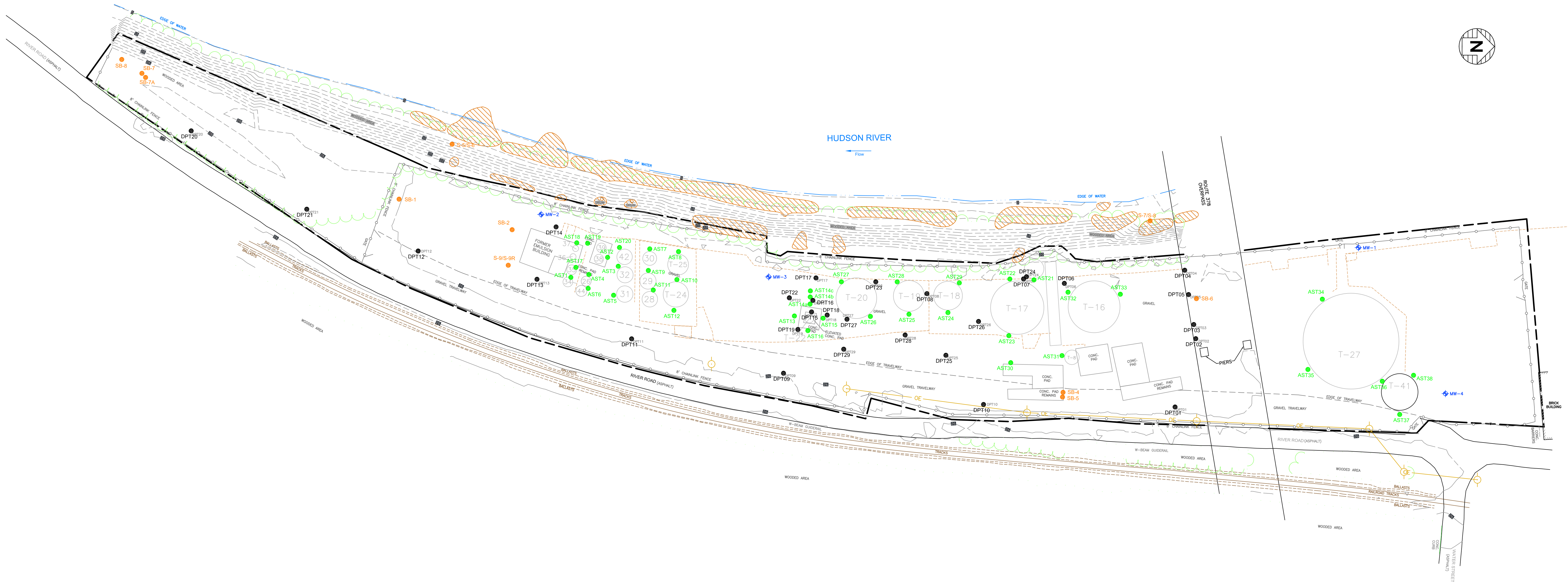
REMEDIAL INVESTIGATION REPORT
SITE PLAN
CHEVRON ENVIRONMENTAL MANAGEMENT CO.
FORMER TROY ASPHALT FACILITY

7 WATER STREET - TROY, NEW YORK

JOB NO. 194098

HS/LB | DATE: SEPTEMBER 2013 | FIGURE: 2

SOURCES:
BASE MAP PREPARED FROM A FIELD SURVEY CONDUCTED BY M.J. ENGINEERING AND LAND SURVEYING, P.C. MAY 2013.
FORMER ABOVE-GROUND STORAGE TANK LOCATIONS FROM HISTORICAL CHEVRON DRAWINGS.



2013 Soil Data

DPT-01	
Date	05/06/13
Depth	13.5-14.0
VOCs	NA
PAHs	<RUSCO

DPT-02	
Date	05/06/13
Depth	4.5-5.0
VOCs	<RUSCO
B(a)P	550
B(a)A	970
B(b)F	330
B(b)F	310
Chrysene	720
D(a,h)a	340
Fluoranthene	1900
(1,2,3-cd)P	500
Naphthalene	2300
Phenanthrene	3000
Pyrene	1400
Other PAHs	<RUSCO

DPT-03	
Date	05/06/13
Depth	14.5-15.0
VOCs	NA
PAHs	<RUSCO

DPT-05	
Date	05/06/13
Depth	2.5-3.0
VOCs	NA
PAHs	<RUSCO

DPT-07	
Date	05/07/13
Depth	11.0-11.5
VOCs	NA
PAHs	<RUSCO

DPT-08	
Date	05/07/13
Depth	3.5-4.0
VOCs	ND
PAHs	<RUSCO

DPT-09	
Date	05/07/13
Depth	22.5-23.0
VOCs	NA
PAHs	<RUSCO

DPT-10	
Date	05/07/13
Depth	4.0-4.5
VOCs	<RUSCO
PAHs	<RUSCO

DPT-11	
Date	05/07/13
Depth	23.0-23.5
VOCs	NA
PAHs	<RUSCO

DPT-12	
Date	05/08/13
Depth	3.5-4.0
VOCs	NA
PAHs	<RUSCO

DPT-13	
Date	05/08/13
Depth	7.5-8.0
VOCs	NA
PAHs	<RUSCO

DPT-14	
Date	05/08/13
Depth	6.0-6.5
VOCs	NA
PAHs	<RUSCO

DPT-15	
Date	05/10/13
Depth	10.0-11.0
VOCs	NA
PAHs	<RUSCO

DPT-16	
Date	05/10/13
Depth	9.5-10.0
VOCs	ND
B(a)P	720
B(a)A	1400
B(b)F	1500
B(b)F	540
Chrysene	1300
D(a,h)a	670
Fluoranthene	3100
Fluorene	1300
(1,2,3-cd)P	900
Naphthalene	6800 D
Phenanthrene	5200
Pyrene	2200
Other PAHs	<RUSCO

DPT-17	
Date	05/10/13
Depth	13.5-14.0
VOCs	ND
PAHs	<RUSCO

DPT-18	
Date	05/10/13
Depth	3.5-4.0
VOCs	NA
PAHs	<RUSCO

DPT-19	
Date	05/10/13
Depth	15.5-16.0
VOCs	NA
PAHs	<RUSCO

DPT-20	
Date	05/10/13
Depth	12.0-12.5
VOCs	<RUSCO
PAHs	<RUSCO

DPT-21	
Date	05/10/13
Depth	3.0-3.5
VOCs	NA
PAHs	<RUSCO

DPT-22	
Date	05/10/13
Depth	2.5-3.0
VOCs	NA
PAHs	<RUSCO

DPT-23	
Date	05/10/13
Depth	2.5-3.0
VOCs	NA
PAHs	<RUSCO

DPT-24	
Date	05/10/13
Depth	9.0-10.0
VOCs	ND
PAHs	<RUSCO

DPT-25	
Date	05/10/13
Depth	18.5-19.0
VOCs	NA
PAHs	<RUSCO

DPT-26	
Date	05/10/13
Depth	17.0-17.5
VOCs	NA
PAHs	<RUSCO

DPT-27	
Date	05/10/13
Depth	12.0-13.0
VOCs	NA
PAHs	<RUSCO

DPT-28	
Date	05/10/13
Depth	12.0-12.5
VOCs	<RUSCO
PAHs	<RUSCO

DPT-29	
Date	05/10/13
Depth	6.0-7.0
VOCs	<RUSCO
PAHs	<RUSCO

DPT-30	
Date	05/10/13
Depth	1.0-2.0
VOCs	ND
PAHs	<RUSCO

DPT-31	
Date	05/10/13
Depth	1.0-2.0
VOCs	ND
PAHs	<RUSCO

DPT-32	
Date	05/10/13
Depth	1.0-2.0
VOCs	ND
PAHs	<RUSCO

DPT-33	
Date	05/10/13
Depth	1.0-2.0
VOCs	ND
PAHs	<RUSCO

DPT-34	
Date	05/10/13
Depth	1.0-2.0
VOCs	ND
PAHs	<RUSCO

DPT-35	
Date	05/10/13
Depth	1.0-2.0
VOCs	ND
PAHs	<RUSCO

DPT-36	
Date	05/10/13
Depth	1.0-2.0
VOCs	ND
PAHs	<RUSCO

Parameter (mg/kg)	RUSCO
Acenaphthene	1000
Acenaphthylene	1000
Acridene	1000
B(a)P	1.1
B(a)A	1.1
B(b)F	1.1
B(b)F	1.1
Chrysene	1.1
D(a,h)a	1.1
Fluoranthene	1.1
Fluorene	1.1
(1,2,3-cd)P	1.1
(1,2,3-cd)P	1.1
Naphthalene	1.1
Phenanthrene	1.1
Pyrene	1.1

VOCs = Volatile Organic Compounds
PAHs = Polycyclic Aromatic Hydrocarbons
RUSCO = NYDEC's Restricted Use Soil Cleanup Objectives (Industrial)
Bold and Highlighted indicates concentration above RUSCO
NA = Not Analyzed
ND = Not Detected above laboratory reporting limit (RL). RL's
D = Diluted sample - see data tables for note

LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- UTILITY POLE WITH OVERHEAD ELECTRIC
- EDGE OF WOODS
- CHAINLINK FENCE
- EDGE OF WATER
- FORMER ABOVE-GROUND STORAGE TANK
- FORMER ABOVE-GROUND PIPING
- DRUM
- APPROXIMATE LOCATION AND EXTENT OF SURFICIAL ASPHALT/TAR
- MONITORING WELL
- 2005 SOIL BORING
- 2001 SOIL BORING
- 2013 RI SOIL BORING

0 50 FT.
APPROXIMATE SCALE

TRC ENVIRONMENTAL CORP.
57 East Willow Street
Millburn, New Jersey 07041

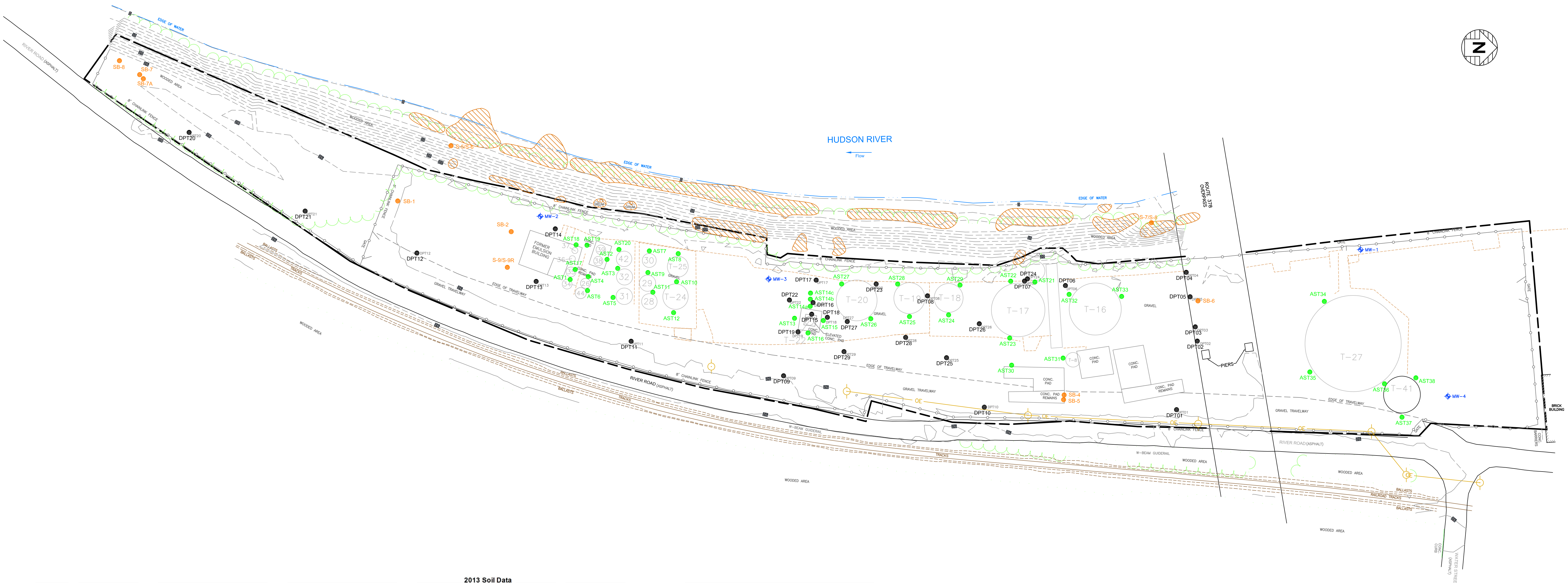
REMEDIAL INVESTIGATION REPORT
SOIL ANALYTICAL RESULTS
CHEVRON ENVIRONMENTAL MANAGEMENT CO.
FORMER TROY ASPHALT FACILITY

7 WATER STREET - TROY, NEW YORK

JOB NO. 194098

HS/LB DATE: AUGUST 2013 FIGURE: 3

SOURCES:
BASE MAP PREPARED FROM A FIELD SURVEY CONDUCTED BY M.J. ENGINEERING AND LAND SURVEYING, P.C. MAY 2013.
FORMER ABOVE-GROUND STORAGE TANK LOCATIONS FROM HISTORICAL CHEVRON DRAWINGS.



2013 Soil Data

DPT-01	
Date	05/06/13
Depth	13.5-14.0
VOCs	NA
PAHs	<UUSCO

DPT-02	
Date	05/06/13
Depth	4.5-5.0
Benzene	6.6
Toluene	12
Xylene	33
Other VOCs	<UUSCO

DPT-03	
Date	05/06/13
Depth	14.5-15.0
VOCs	NA
PAHs	<UUSCO

DPT-04	
Date	05/06/13
Depth	2.5-3.0
VOCs	NA
PAHs	<UUSCO

DPT-05	
Date	05/06/13
Depth	2.5-3.0
VOCs	NA
PAHs	<UUSCO

DPT-06	
Date	05/07/13
Depth	11.0-11.5
VOCs	NA
PAHs	<UUSCO

DPT-07	
Date	05/07/13
Depth	3.5-4.0
VOCs	<UUSCO
PAHs	<UUSCO

DPT-08	
Date	05/07/13
Depth	3.5-4.0
VOCs	<UUSCO
PAHs	<UUSCO

DPT-09	
Date	05/07/13
Depth	22.5-23.0
VOCs	NA
PAHs	<UUSCO

DPT-10	
Date	05/07/13
Depth	4.0-4.5
VOCs	<UUSCO
PAHs	<UUSCO

DPT-11	
Date	05/07/13
Depth	23.0-23.5
VOCs	NA
PAHs	<UUSCO

DPT-12	
Date	05/08/13
Depth	3.5-4.0
VOCs	NA
PAHs	<UUSCO

DPT-13	
Date	05/08/13
Depth	7.5-8.0
VOCs	NA
PAHs	<UUSCO

DPT-14	
Date	05/08/13
Depth	6.0-6.5
VOCs	NA
PAHs	<UUSCO

DPT-15	
Date	05/10/13
Depth	10.0-11.0
VOCs	NA
PAHs	<UUSCO

DPT-16	
Date	05/10/13
Depth	18.5-19.0
VOCs	NA
PAHs	<UUSCO

DPT-17	
Date	05/10/13
Depth	18.5-19.0
VOCs	NA
PAHs	<UUSCO

DPT-18	
Date	05/10/13
Depth	18.5-19.0
VOCs	NA
PAHs	<UUSCO

DPT-19	
Date	05/10/13
Depth	18.5-19.0
VOCs	NA
PAHs	<UUSCO

DPT-20	
Date	05/10/13
Depth	18.5-19.0
VOCs	NA
PAHs	<UUSCO

DPT-21	
Date	05/10/13
Depth	18.5-19.0
VOCs	NA
PAHs	<UUSCO

DPT-22	
Date	05/10/13
Depth	18.5-19.0
VOCs	NA
PAHs	<UUSCO

DPT-23	
Date	05/10/13
Depth	18.5-19.0
VOCs	NA
PAHs	<UUSCO

DPT-24	
Date	05/10/13
Depth	18.5-19.0
VOCs	NA
PAHs	<UUSCO

DPT-25	
Date	05/10/13
Depth	18.5-19.0
VOCs	NA
PAHs	<UUSCO

DPT-26	
Date	05/10/13
Depth	18.5-19.0
VOCs	NA
PAHs	<UUSCO

DPT-27	
Date	05/10/13
Depth	18.5-19.0
VOCs	NA
PAHs	<UUSCO

DPT-28	
Date	05/10/13
Depth	18.5-19.0
VOCs	NA
PAHs	<UUSCO

DPT-29	
Date	05/10/13
Depth	18.5-19.0
VOCs	NA
PAHs	<UUSCO

DPT-30	
Date	05/10/13
Depth	18.5-19.0
VOCs	NA
PAHs	<UUSCO

DPT-31	
Date	05/10/13
Depth	18.5-19.0
VOCs	NA
PAHs	<UUSCO

DPT-32	
Date	05/10/13
Depth	18.5-19.0
VOCs	NA
PAHs	<UUSCO

DPT-33	
Date	05/10/13
Depth	18.5-19.0
VOCs	NA
PAHs	<UUSCO

DPT-34	
Date	05/10/13
Depth	18.5-19.0
VOCs	NA
PAHs	<UUSCO

DPT-35	
Date	05/10/13
Depth	18.5-19.0
VOCs	NA
PAHs	<UUSCO

DPT-36	
Date	05/10/13
Depth	18.5-19.0
VOCs	NA
PAHs	<UUSCO

DPT-37	
Date	05/10/13
Depth	18.5-19.0
VOCs	NA
PAHs	<UUSCO

DPT-38	
Date	05/10/13
Depth	18.5-19.0
VOCs	NA
PAHs	<UUSCO

DPT-39	
Date	05/10/13
Depth	18.5-19.0
VOCs	NA
PAHs	<UUSCO

DPT-40	
Date	05/10/13
Depth	18.5-19.0
VOCs	NA
PAHs	<UUSCO

DPT-41	
Date	05/10/13
Depth	18.5-19.0
VOCs	NA
PAHs	<UUSCO

Parameter (mg/kg)	RUSCO - Industrial (ppm)	UUSCO (ppm)
Acetone	1000	0.05
Benzene	99	0.05
Bis(benzene) = BB	780	1
Methylene chloride = MC	1000	0.05
Toluene	1000	0.7
Xylenes (total) = Xylene	1000	0.25
Acenaphthene	20	1000
Acenaphthylene	100	1000
Anthracene	100	1000
B(a)P = Benzo(a)pyrene	1	1.1
B(b)F = Benzo(b)fluoranthene	1	11
B(k)F = Benzo(k)fluoranthene	1	11
Bz(a)P = Benzo(a)anthracene	1	11
Bz(b)F = Benzo(b)fluoranthene	1	11
Bz(k)F = Benzo(k)fluoranthene	1	11
Chrysene	100	1000
Dib(a,h)a = Dibenz(a,h)anthracene	0.33	1.1
Fluoranthene	100	1000
Fluorene	30	1000
I(1,2,3-cd)P = Indeno(1,2,3-cd)	0.3	11
Naphthalene	12	1000
Phenanthrene	100	1000
Pyrene	100	1000

VOCs = Volatile Organic Compounds
PAHs = Polycyclic Aromatic Hydrocarbons
RUSCO = NYDEC's Restricted Use Soil Cleanup Objectives (Industrial)
UUSCO = NYDEC's Unrestricted Use Soil Cleanup Objectives
Bold and Yellow Highlighting indicates concentration above RUSCO
Bold and orange highlighting indicates concentration above UUSCO but below the RUSCO
NA = Not Analyzed
J = Estimated value
ND = Not detected above laboratory reporting limit (RL). RL's are shown in data summary tables (Appendix C)

LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- UTILITY POLE WITH OVERHEAD ELECTRIC
- EDGE OF WOODS
- CHAINLINK FENCE
- EDGE OF WATER
- FORMER ABOVE-GROUND STORAGE TANK
- FORMER ABOVE-GROUND PIPING
- DRUM
- APPROXIMATE LOCATION AND EXTENT OF SURFICIAL ASPHALT/TAR
- MONITORING WELL
- 2005 SOIL BORING
- 2001 SOIL BORING
- 2013 RI SOIL BORING

0 50 FT.
APPROXIMATE SCALE

TRC ENVIRONMENTAL CORP.
57 East Willow Street
Millburn, New Jersey 07041

SOIL ANALYTICAL RESULTS
COMPARISON TO NYSDEC'S UNRESTRICTED
USE SOIL CLEANUP OBJECTIVES

7 WATER STREET - TROY, NEW YORK

JOB NO. 194098

HS/ODL DATE: SEPTEMBER 2014 FIGURE: 4

SOURCES:
BASE MAP PREPARED FROM A FIELD SURVEY CONDUCTED BY M.J. ENGINEERING AND LAND SURVEYING, P.C. MAY 2013.
FORMER ABOVE-GROUND STORAGE TANK LOCATIONS FROM HISTORICAL CHEVRON DRAWINGS.

TABLE I

Summary of Laboratory Analytical Data – Volatile Organic Compounds (VOCs) in Soils

Table I
Chevron Products USA, Troy Asphalt Terminal
Troy, New York
NYSDEC Site No. 442029
Remedial Investigation Report

Summary of Laboratory Analytical Data - Volatile Organic Compounds (VOCs) in Soil

Parameter (ug/L)	Part 375-6.8 Soil Cleanup Objectives			DPT-02 (4.5-5.0) 5/6/2013	DPT-05 (22.5-23.0) 5/6/2013	DPT-08 (3.5-4.0) 5/7/2013	DPT-10 (4.0-4.5) 5/7/2013	DPT-15(10.0-11.0) 5/10/2013	DPT-16(9.5-10.0) 5/10/2013	DPT-18(3.5-4.0) 5/10/2013
	Unrestricted Use	Restricted Use (Protection of GW)	Restricted Use (Industrial)	Dilution factor - 20	Dilution factor - 1	Dilution factor - 1	Dilution factor - 1	Dilution factor - 40	Dilution factor - 40	Dilution factor - 40
Acetone	0.05	0.05	1000	14 U	0.027 U	0.0058 J	0.0094 J	24 U	27 U	22 U
Benzene	0.06	0.06	89	6.6	0.0053 U	0.0058 U	0.0054 U	4.8 U	9	4.5 U
Bromodichloromethane	--	--	--	2.8 U	0.0053 U	0.0058 U	0.0054 U	4.8 U	5.4 U	4.5 U
Bromoform	--	--	--	2.8 U	0.0053 U	0.0058 U	0.0054 U	4.8 U	5.4 U	4.5 U
Bromomethane	--	--	--	2.8 U	0.0053 U	0.0058 U	0.0054 U	4.8 U	5.4 U	4.5 U
2-Butanone (MEK)	0.12	0.12	1000	14 U	0.027 U	0.029 U	0.027 U	24 U	27 U	22 U
Carbon Disulfide	--	2.7	--	2.8 U	0.0053 U	0.0058 U	0.0054 U	4.8 U	5.4 U	4.5 U
Carbon tetrachloride	0.76	0.76	44	2.8 U	0.0053 U	0.0058 U	0.0054 U	4.8 U	5.4 U	4.5 U
Chlorobenzene	1.1	1.1	1000	2.8 U	0.0053 U	0.0058 U	0.0054 U	4.8 U	5.4 U	4.5 U
Chloroethane	--	1.9	--	2.8 U	0.0053 U	0.0058 U	0.0054 U	4.8 U	5.4 U	4.5 U
Chloroform	0.37	0.37	700	2.8 U	0.0053 U	0.0058 U	0.0054 U	4.8 U	5.4 U	4.5 U
Chloromethane	--	--	--	2.8 U	0.0053 U	0.0058 U	0.0054 U	4.8 U	5.4 U	4.5 U
cis-1,2-Dichloroethene	0.25	0.25	1000	2.8 U	0.0053 U	0.0058 U	0.0054 U	4.8 U	5.4 U	4.5 U
cis-1,3-Dichloropropene	--	--	--	2.8 U	0.0053 U	0.0058 U	0.0054 U	4.8 U	5.4 U	4.5 U
Cyclohexane	--	--	--	2.8 U	0.0053 U	0.0058 U	0.0054 U	4.8 U	5.4 U	4.5 U
1,2-Dibromo-3-chloropropane	--	--	--	2.8 U	0.0053 U	0.0058 U	0.0054 U	4.8 U	5.4 U	4.5 U
Dibromochloromethane	--	--	--	2.8 U	0.0053 U	0.0058 U	0.0054 U	4.8 U	5.4 U	4.5 U
1,2-Dibromoethane	--	--	--	2.8 U	0.0053 U	0.0058 U	0.0054 U	4.8 U	5.4 U	4.5 U
1,2-Dichlorobenzene	1.1	1.1	1000	2.8 U	0.0053 U	0.0058 U	0.0054 U	4.8 U	5.4 U	4.5 U
1,3-Dichlorobenzene	2.4	2.4	560	2.8 U	0.0053 U	0.0058 U	0.0054 U	4.8 U	5.4 U	4.5 U
1,4-Dichlorobenzene	1.8	1.8	250	2.8 U	0.0053 U	0.0058 U	0.0054 U	0.78 J	5.4 U	4.5 U
Dichlorodifluoromethane	--	--	--	2.8 U	0.0053 U	0.0058 U	0.0054 U	4.8 U	5.4 U	4.5 U
1,1-Dichloroethane	0.27	0.27	480	2.8 U	0.0053 U	0.0058 U	0.0054 U	4.8 U	5.4 U	4.5 U
1,2-Dichloroethane	0.02	0.02	60	2.8 U	0.0053 U	0.0058 U	0.0054 U	4.8 U	5.4 U	4.5 U
1,1-Dichloroethene	0.33	0.33	1000	2.8 U	0.0053 U	0.0058 U	0.0054 U	4.8 U	5.4 U	4.5 U
1,2-Dichloropropane	--	--	--	2.8 U	0.0053 U	0.0058 U	0.0054 U	4.8 U	5.4 U	4.5 U
Ethylbenzene	1	1	780	0.88 J	0.00049 J	0.0058 U	0.0054 U	4.8 U	1.7 J	4.5 U
2-Hexanone	--	--	--	14 U	0.027 U	0.029 U	0.027 U	24 U	27 U	22 U
Isopropylbenzene	--	2.3	--	2.8 U	0.0053 U	0.0058 U	0.0054 U	4.8 U	5.4 U	4.5 U
Methyl Acetate	--	--	--	2.8 U	0.0053 U	0.0058 U	0.0054 U	4.8 U	5.4 U	4.5 U
Methyl Tert Butyl Ether (MTBE)	0.93	0.93	1000	2.8 U	0.0053 U	0.0058 U	0.0054 U	4.8 U	5.4 U	4.5 U
4-methyl-2-pentanone (MIBK)	--	1	--	14 U	0.027 U	0.029 U	0.027 U	24 U	27 U	22 U
Methylcyclohexane	--	--	--	2.8 U	0.0053 U	0.0058 U	0.0054 U	4.8 U	5.4 U	4.5 U
Methylene chloride	0.05	0.05	1000	2.8 U	0.0053 U	0.0058 U	0.0054 U	1 J B	1.1 J B	4.5 U
Styrene	--	--	--	2.8 U	0.0053 U	0.0058 U	0.0054 U	4.8 U	5.4 U	4.5 U
1,1,2,2-Tetrachloroethane	--	0.6	--	2.8 U	0.0053 U	0.0058 U	0.0054 U	4.8 U	5.4 U	4.5 U
Tetrachloroethene	1.3	1.3	300	2.8 U	0.0053 U	0.0058 U	0.0054 U	4.8 U	5.4 U	4.5 U
Toluene	0.7	0.7	1000	12	0.0053 U	0.0058 U	0.00051 J	4.8 U	19	4.5 U
trans-1,2-Dichloroethene	0.19	0.19	1000	2.8 U	0.0053 U	0.0058 U	0.0054 U	4.8 U	5.4 U	4.5 U
trans-1,3-Dichloropropene	--	--	--	2.8 U	0.0053 U	0.0058 U	0.0054 U	4.8 U	5.4 U	4.5 U
Freon 113	--	6	--	2.8 U	0.0053 U	0.0058 U	0.0054 U	4.8 U	5.4 U	4.5 U
1,1,1-Trichloroethane	0.68	0.68	1000	2.8 U	0.0053 U	0.0058 U	0.0054 U	4.8 U	5.4 U	4.5 U
1,1,2-Trichloroethane	--	--	--	2.8 U	0.0053 U	0.0058 U	0.0054 U	4.8 U	5.4 U	4.5 U
Trichloroethene	0.47	0.47	400	2.8 U	0.0053 U	0.002 J	0.0054 U	4.8 U	5.4 U	4.5 U
Trichlorofluoromethane	--	--	--	2.8 U	0.0053 U	0.0058 U	0.0054 U	4.8 U	5.4 U	4.5 U
1,2,4-Trichlorobenzene	--	3.4	--	2.8 U	0.0053 U	0.0058 U	0.0054 U	13	2.9 J	4.5 U
Vinyl Chloride	0.02	0.02	27	2.8 U	0.0053 U	0.0058 U	0.0054 U	4.8 U	5.4 U	4.5 U
Xylenes (total)	0.26	1.6	1000	33	0.0017 J	0.012 U	0.011 U	9.5 U	46	9 U
Total VOC TIC	--	--	--	2043	0.0065	NA	NA	584.6	3497	814

All results in parts per milion (ppm)
U = Compound not detected at a
J = Concentration is greater than
B - Compound also detected in the associated Method Blank.
Bold and yellow highlighted = Value is greater than the Restricted Use, Industrial Cleanup Objective and the Unrestricted Use Soil Cleanup Objective
Bold and orange highlighted = Value is greater than the Unrestricted Use Soil Cleanup Objective
Green highlighted = Laboratory Reporting limit exceeds the Unrestricted Use Soil Cleanup Objective due to sample dilution

Table I
Chevron Products USA, Troy Asphalt Terminal
Troy, New York
NYSDEC Site No. 442029
Remedial Investigation Report

Summary of Laboratory Analytical Data - Volatile Organic Compounds (VOCs) in Soil

Parameter (ug/L)	Part 375-6.8 Soil Cleanup Objectives			DPT-20(12.0-12.5) 5/10/2013	DPT-21(3.0-3.5) 5/10/2013	DPT-22(13.5-14.0) 5/10/2013	DPT-24(9.0-10.0) 5/10/2013	DPT-29(6.0-7.0) 5/10/2013	DPT-29(1.0-2.0) 5/10/2013
	Unrestricted Use	Restricted Use (Protection of GW)	Restricted Use (Industrial)	Dilution factor - 1	Dilution factor - 1	Dilution factor - 1	Dilution factor - 40	Dilution factor - 1	Dilution factor - 1
Acetone	0.05	0.05	1000	0.072	0.067	0.38	28 U	0.028 U	0.028 U
Benzene	0.06	0.06	89	0.0056 J	0.0026 J	0.063 U	5.6 U	0.0026 J	0.0055 U
Bromodichloromethane	--	--	--	0.0058 U	0.0058 U	0.063 U	5.6 U	0.0056 U	0.0055 U
Bromoform	--	--	--	0.0058 U	0.0058 U	0.063 U	5.6 U	0.0056 U	0.0055 U
Bromomethane	--	--	--	0.0058 U	0.0058 U	0.063 U	5.6 U	0.0056 U	0.0055 U
2-Butanone (MEK)	0.12	0.12	1000	0.016 J	0.019 J	0.063 J	28 U	0.028 U	0.028 U
Carbon Disulfide	--	2.7	--	0.0058 U	0.0058 U	0.063 U	5.6 U	0.0056 U	0.0055 U
Carbon tetrachloride	0.76	0.76	44	0.0058 U	0.0058 U	0.063 U	5.6 U	0.0056 U	0.0055 U
Chlorobenzene	1.1	1.1	1000	0.0058 U	0.0058 U	0.063 U	5.6 U	0.0056 U	0.0055 U
Chloroethane	--	1.9	--	0.0058 U	0.0058 U	0.063 U	5.6 U	0.0056 U	0.0055 U
Chloroform	0.37	0.37	700	0.0058 U	0.0058 U	0.063 U	5.6 U	0.0056 U	0.0055 U
Chloromethane	--	--	--	0.0058 U	0.0058 U	0.063 U	5.6 U	0.0056 U	0.0055 U
cis-1,2-Dichloroethene	0.25	0.25	1000	0.0058 U	0.0058 U	0.063 U	5.6 U	0.0056 U	0.0055 U
cis-1,3-Dichloropropene	--	--	--	0.0058 U	0.0058 U	0.063 U	5.6 U	0.0056 U	0.0055 U
Cyclohexane	--	--	--	0.0058 U	0.0058 U	0.063 U	5.6 U	0.0056 U	0.0055 U
1,2-Dibromo-3-chloropropane	--	--	--	0.0058 U	0.0058 U	0.063 U	5.6 U	0.0056 U	0.0055 U
Dibromochloromethane	--	--	--	0.0058 U	0.0058 U	0.063 U	5.6 U	0.0056 U	0.0055 U
1,2-Dibromoethane	--	--	--	0.0058 U	0.0058 U	0.063 U	5.6 U	0.0056 U	0.0055 U
1,2-Dichlorobenzene	1.1	1.1	1000	0.0058 U	0.0058 U	0.063 U	5.6 U	0.0056 U	0.0055 U
1,3-Dichlorobenzene	2.4	2.4	560	0.0058 U	0.0058 U	0.063 U	5.6 U	0.0056 U	0.0055 U
1,4-Dichlorobenzene	1.8	1.8	250	0.0058 U	0.0058 U	0.063 U	5.6 U	0.0056 U	0.0055 U
Dichlorodifluoromethane	--	--	--	0.0058 U	0.0058 U	0.063 U	5.6 U	0.0056 U	0.0055 U
1,1-Dichloroethane	0.27	0.27	480	0.0058 U	0.0058 U	0.063 U	5.6 U	0.0056 U	0.0055 U
1,2-Dichloroethane	0.02	0.02	60	0.0058 U	0.0058 U	0.063 U	5.6 U	0.0056 U	0.0055 U
1,1-Dichloroethene	0.33	0.33	1000	0.0058 U	0.0058 U	0.063 U	5.6 U	0.0056 U	0.0055 U
1,2-Dichloropropane	--	--	--	0.0058 U	0.0058 U	0.063 U	5.6 U	0.0056 U	0.0055 U
Ethylbenzene	1	1	780	0.00096 J	0.0029 J	0.01 J	5.6 U	0.0056 U	0.0055 U
2-Hexanone	--	--	--	0.029 U	0.029 U	0.32 U	28 U	0.028 U	0.028 U
Isopropylbenzene	--	2.3	--	0.0058 U	0.0058 U	0.063 U	5.6 U	0.0056 U	0.0055 U
Methyl Acetate	--	--	--	0.0058 U	0.0058 U	0.063 U	5.6 U	0.0056 U	0.0055 U
Methyl Tert Butyl Ether (MTBE)	0.93	0.93	1000	0.0058 U	0.0058 U	0.063 U	5.6 U	0.0056 U	0.0055 U
4-methyl-2-pentanone (MIBK)	--	1	--	0.029 U	0.029 U	0.32 U	28 U	0.028 U	0.028 U
Methylcyclohexane	--	--	--	0.0058 U	0.0058 U	0.063 U	5.6 U	0.0056 U	0.0019 J
Methylene chloride	0.05	0.05	1000	0.0058 U	0.0058 U	0.063 U	1.2 J B	0.0056 U	0.0055 U
Styrene	--	--	--	0.0058 U	0.0058 U	0.063 U	5.6 U	0.0056 U	0.0055 U
1,1,2,2-Tetrachloroethane	--	0.6	--	0.0058 U	0.0058 U	0.063 U	5.6 U	0.0056 U	0.0055 U
Tetrachloroethene	1.3	1.3	300	0.0058 U	0.0058 U	0.063 U	5.6 U	0.0056 U	0.0055 U
Toluene	0.7	0.7	1000	0.0016 J	0.0075	0.044 J	5.6 U	0.0013 J	0.0055 U
trans-1,2-Dichloroethene	0.19	0.19	1000	0.0058 U	0.0058 U	0.063 U	5.6 U	0.0056 U	0.0055 U
trans-1,3-Dichloropropene	--	--	--	0.0058 U	0.0058 U	0.063 U	5.6 U	0.0056 U	0.0055 U
Freon 113	--	6	--	0.0058 U	0.0058 U	0.063 U	5.6 U	0.0056 U	0.0055 U
1,1,1-Trichloroethane	0.68	0.68	1000	0.0058 U	0.0058 U	0.063 U	5.6 U	0.0056 U	0.0055 U
1,1,2-Trichloroethane	--	--	--	0.0058 U	0.0058 U	0.063 U	5.6 U	0.0056 U	0.0055 U
Trichloroethene	0.47	0.47	400	0.0058 U	0.0058 U	0.063 U	5.6 U	0.0056 U	0.0055 U
Trichlorofluoromethane	--	--	--	0.0058 U	0.0058 U	0.063 U	5.6 U	0.0056 U	0.0055 U
1,2,4-Trichlorobenzene	--	3.4	--	0.0058 U	0.0058 U	0.063 U	5.6 U	0.0056 U	0.0055 U
Vinyl Chloride	0.02	0.02	27	0.0058 U	0.0058 U	0.063 U	5.6 U	0.0056 U	0.0055 U
Xylenes (total)	0.26	1.6	1000	0.012 U	0.0045 J	0.014 J	11 U	0.011 U	0.011 U
Total VOC TIC	--	--	--	0.227	0.7199	15.8	387.8	0.0071	0.2355

All results in parts per million (ppm)
U = Compound not detected at a
J = Concentration is greater than
B - Compound also detected in the associated Method Blank.
Bold and yellow highlighted = Value is greater than the Restricted Use, Industrial Cleanup Objective and the Unrestricted Use Soil Cleanup Objective
Bold and orange highlighted = Value is greater than the Unrestricted Use Soil Cleanup Objective
Green highlighted = Laboratory Reporting limit exceeds the Unrestricted Use Soil Cleanup Objective due to sample dilution

TABLE II

Summary of Laboratory Analytical Data – Poly-Aromatic Hydrocarbons (PAHs) in Soils

Table II
Chevron Products USA, Troy Asphalt Terminal
Troy, New York
NYSDEC Site No. 442029
Remedial Investigation Report
Summary of Laboratory Analytical Data - Poly-Aromatic Hydrocarbons (PAHs) in Soil

Parameter (mg/kg)	Part 375-6.8 Soil Cleanup Objectives		DPT-01 (13.5-14.0) 5/6/2013	DPT-02 (4.5-5.0) 5/6/2013	DPT-03 (14.5-15.0) 5/6/2013	DPT-05 (2.5-3.0) 5/6/2013	DPT-05 (22.5-23.0) 5/6/2013	DPT-07 (11.0-11.5) 5/7/2013	DPT-08 (3.5-4.0) 5/7/2013	DPT-09 (22.5-23.0) 5/7/2013	DPT-10 (4.0-4.5) 5/7/2013
	Unrestricted Use	Restricted Use (Industrial)	Dilution factor - 1	Dilution factor - 400	Dilution factor - 1	Dilution factor - 1	Dilution factor - 1	Dilution factor - 1	Dilution factor - 1	Dilution factor - 1	Dilution factor - 1
Acenaphthene	20	1000	0.006 J	58 J	0.0072 J	0.19 U	0.18 U	0.2 U	0.2 U	0.18 U	0.18 U
Acenaphthylene	100	1000	0.032 J	500	0.03 J	0.025 J	0.18 U	0.2 U	0.2 U	0.18 U	0.018 J
Anthracene	100	1000	0.19 U	880	0.064 J	0.0095 J	0.18 U	0.2 U	0.2 U	0.0072 J	0.026 J
Benzo(a)pyrene	1	1.1	0.19 U	550	0.22	0.091 J	0.019 J	0.2 U	0.2 U	0.019 J	0.13 J
Benzo(a)anthracene	1	11	0.19 U	970	0.35	0.067 J	0.023 J	0.2 U	0.2 U	0.026 J	0.15 J
Benzo(b)fluoranthene	1	11	0.19 U	830	0.43	0.2	0.12 J	0.2 U	0.099 J	0.12 J	0.25
Benzo(ghi)perylene	100	1000	0.19 U	310 J	0.15 J	0.11 J	0.028 J	0.2 U	0.2 U	0.017 J	0.1 J
Benzo(k)fluoranthene	0.8	110	0.19 U	310 J	0.15 J	0.048 J	0.013 J	0.2 U	0.2 U	0.012 J	0.072 J
Chrysene	1	110	0.19 U	720	0.37	0.055 J	0.044 J	0.2 U	0.0037 J	0.052 J	0.17 J
Dibenz(a,h)anthracene	0.33	1.1	0.19 U	340 J	0.17 J	0.16 J	0.13 J	0.2 U	0.2 U	0.18 U	0.14 J
Fluoranthene	100	1000	0.0078 J	1900	0.49	0.057 J	0.024 J	0.0058 J	0.2 U	0.043 J	0.18
Fluorene	30	1000	0.032 J	1000	0.022 J	0.19 U	0.18 U	0.2 U	0.2 U	0.18 U	0.0094 J
Indeno(1,2,3-cd)pyrene	0.5	11	0.19 U	500	0.24	0.21	0.14 J	0.2 U	0.2 U	0.13 J	0.19
Naphthalene	12	1000	1.3	2300	0.19 J	0.022 J	0.18 U	0.2 U	0.063 J	0.021 J	0.028 J
Phenanthrene	100	1000	0.032 J	3000	0.27	0.044 J	0.02 J	0.011 J	0.011 J	0.051 J	0.11 J
Pyrene	100	1000	0.19 U	1400	0.4	0.042 J	0.023 J	0.2 U	0.2 U	0.033 J	0.17 J

Parameter (mg/kg)	Part 375-6.8 Soil Cleanup Objectives		DPT-11 (23.0-23.5) 5/7/2013	DPT-12 (3.5-4.0) 5/8/2013	DPT-13 (7.5-8.0) 5/8/2013	DPT-13 (15.0-15.5) 5/8/2013	DPT-14 (6.0-6.5) 5/8/2013	DPT-14 (16.0-16.5) 5/8/2013	DPT-15(10.0-11.0) 5/10/2013	DPT-15(17.0-17.5) 5/10/2013	DPT-16(9.5-10.0) 5/10/2013
	Unrestricted Use	Restricted Use (Industrial)	Dilution factor - 1	Dilution factor - 5	Dilution factor - 5	Dilution factor - 1	Dilution factor - 1	Dilution factor - 1	Dilution factor - 50	Dilution factor - 5	Dilution factor - 40
Acenaphthene	20	1000	0.028 J	0.9 U	0.033 J	0.0067 J	0.18 U	0.19 U	65 J	0.032 J	120 J
Acenaphthylene	100	1000	0.022 J	0.13 J	0.22 J	0.079 J	0.019 J	0.19 U	380	1.2 U	270
Anthracene	100	1000	0.2	0.17 J	0.26 J	0.17 J	0.015 J	0.19 U	580	0.16 J	1000
Benzo(a)pyrene	1	1.1	0.41	0.65 J	1.1	0.39	0.058 J	0.19 U	490	0.7 J	840
Benzo(a)anthracene	1	11	0.52	0.94	1.4	0.6	0.12 J	0.19 U	680	0.74 J	1300
Benzo(b)fluoranthene	1	11	0.51	1.3	2	0.5	0.18	0.19 U	730	1.2	1200
Benzo(ghi)perylene	100	1000	0.22	0.38 J	0.71 J	0.18 J	0.051 J	0.19 U	170	0.27 J	290
Benzo(k)fluoranthene	0.8	110	0.18 J	0.49 J	0.62 J	0.28	0.038 J	0.19 U	260	0.46 J	560
Chrysene	1	110	0.47	0.95	1.4	0.48	0.11 J	0.19 U	560	0.62 J	1100
Dibenz(a,h)anthracene	0.33	1.1	0.19 J	0.72 J	0.85 J	0.2 J	0.14 J	0.19 U	160	1.2 U	210
Fluoranthene	100	1000	0.8	1.7	2.2	0.95	0.21	0.19 U	1500	1.1 J	2900
Fluorene	30	1000	0.06 J	0.11 J	0.077 J	0.085 J	0.18 U	0.19 U	880	1.2 U	1300
Indeno(1,2,3-cd)pyrene	0.5	11	0.29	0.92	1.2	0.3	0.15 J	0.19 U	240	0.97 J	360
Naphthalene	12	1000	0.054 J	0.9 U	0.15 J	0.022 J	0.18 U	0.19 U	1900	1.7	6800 D
Phenanthrene	100	1000	0.34	1.2	1.7	0.74	0.07 J	0.007 J	2400	0.48 J	4800
Pyrene	100	1000	0.76	1.3	1.6	0.75	0.17 J	0.19 U	930	0.95 J	1700

All results in parts per million (ppm)
U = Compound not detected at a concentration exceeding the indicated Laboratory Reporting Limit (RL).
J = Concentration is greater than the Method Detection Level but less than the RL. The value is estimated.
D = Concentration in the initial analysis exceeded the instrument calibration range. The sample was reanalyzed at a dilution factor.
Bold and yellow highlighted = Value is greater than the Restricted Use, Industrial Soil Cleanup Objective
Bold and orange highlighted = Value is greater than the Unrestricted Use, Soil Cleanup Objective
Green highlighted = Laboratory Reporting limit exceeds the Unrestricted Use Soil Cleanup Objective

Table II
Chevron Products USA, Troy Asphalt Terminal
Troy, New York
NYSDEC Site No. 442029
Remedial Investigation Report

Summary of Laboratory Analytical Data - Poly-Aromatic Hydrocarbons (PAHs) in Soil

Parameter (mg/kg)	Part 375-6.8 Soil Cleanup Objectives		DPT-17(18.5-19.0) 5/10/2013	DPT-18(3.5-4.0) 5/10/2013	DPT-19(15.5-16.0) 5/10/2013	DPT-20(12.0-12.5) 5/10/2013	DPT-21(3.0-3.5) 5/10/2013	DPT-21(21.5-22.0) 5/10/2013	DPT-22(13.5-14.0) 5/10/2013	DPT-23(2.5-3.0) 5/10/2013	DPT-24(9.0-10.0) 5/10/2013
	Unrestricted Use	Restricted Use (Industrial)	Dilution factor - 1	Dilution factor - 40	Dilution factor - 1	Dilution factor - 1	Dilution factor - 1	Dilution factor - 1	Dilution factor - 1	Dilution factor - 1	Dilution factor - 40
Acenaphthene	20	1000	0.036 J	1.9 U	0.19 U	0.0027 J	0.015 J	0.023 J	1.1 U	0.02 J	66 J
Acenaphthylene	100	1000	0.016 J	1.9 U	0.19 U	0.2 U	0.014 J	0.043 J	1.1 U	0.2 U	210
Anthracene	100	1000	0.063 J	0.12 J	0.0083 J	0.2 U	0.0058 J	0.015 J	1.1 U	0.034 J	930
Benzo(a)pyrene	1	1.1	0.16 J	0.11 J	0.027 J	0.0047 J	0.005 J	0.017 J	0.11 J	0.72	1600
Benzo(a)anthracene	1	11	0.18 J	0.22 J	0.03 J	0.017 J	0.2 U	0.24 U	0.16 J	0.37	2100
Benzo(b)fluoranthene	1	11	0.33	1.3 J	0.14 J	0.11 J	0.11 J	0.14 J	0.66 J	0.89	2200
Benzo(ghi)perylene	100	1000	0.083 J	0.097 J	0.014 J	0.2 U	0.2 U	0.015 J	0.12 J	0.49	480
Benzo(k)fluoranthene	0.8	110	0.096 J	0.18 J	0.018 J	0.2 U	0.0033 J	0.019 J	0.075 J	0.42	1000
Chrysene	1	110	0.19 J	0.42 J	0.056 J	0.014 J	0.014 J	0.054 J	0.17 J	0.35	1700
Dibenz(a,h)anthracene	0.33	1.1	0.17 J	1.9 U	0.19 U	0.2 U	0.2 U	0.24 U	1.1 U	0.24	210
Fluoranthene	100	1000	0.36	0.52 J	0.04 J	0.0067 J	0.0081 J	0.03 J	0.13 J	0.29	3700 D
Fluorene	30	1000	0.037 J	1.9 U	0.0081 J	0.2 U	0.036 J	0.11 J	1.1 U	0.0083 J	860
Indeno(1,2,3-cd)pyrene	0.5	11	0.2 J	1.3 J	0.14 J	0.2 U	0.2 U	0.17 J	0.8 J	0.49	490
Naphthalene	12	1000	0.1 J	82 D	0.25	0.055 J	2.2	5.8	1.1 U	0.15 J	2100
Phenanthrene	100	1000	0.41	0.53 J	0.073 J	0.02 J	0.033 J	0.12 J	0.091 J	0.14 J	4000 D
Pyrene	100	1000	0.28	0.3 J	0.029 J	0.2 U	0.0064 J	0.025 J	0.14 J	0.26	2100

Parameter (mg/kg)	Part 375-6.8 Soil Cleanup Objectives		DPT-25(22.0-23.0) 5/10/2013	DPT-26(17.0-17.5) 5/10/2013	DPT-27(12.0-13.0) 5/10/2013	DPT-27(22.0-22.5) 5/10/2013	DPT-29(1.0-2.0) 5/10/2013	DPT-29(6.0-7.0) 5/10/2013
	Unrestricted Use	Restricted Use (Industrial)	Dilution factor - 10	Dilution factor - 1	Dilution factor - 20	Dilution factor - 1	Dilution factor - 5	Dilution factor - 1
Acenaphthene	20	1000	0.75 J	0.29	0.14 J	0.017 J	0.94 U	0.13 J
Acenaphthylene	100	1000	0.35 J	0.2 U	1.2 J	0.037 J	0.35 J	0.36
Anthracene	100	1000	4.3	0.2 U	7.8	0.077 J	0.44 J	0.76
Benzo(a)pyrene	1	1.1	5.7	0.069 J	15	0.073 J	1.5	1
Benzo(a)anthracene	1	11	8	0.08 J	20	0.12 J	2	1.7
Benzo(b)fluoranthene	1	11	8.5	0.2	20	0.2	2.7	1.4
Benzo(ghi)perylene	100	1000	2 J	0.031 J	13	0.05 J	0.75 J	0.48
Benzo(k)fluoranthene	0.8	110	3.7	0.047 J	9.8	0.039 J	0.86 J	0.66
Chrysene	1	110	6.4	0.1 J	18	0.14 J	1.9	1.5
Dibenz(a,h)anthracene	0.33	1.1	2.4 J	0.15 J	4.8	0.15 J	0.83 J	0.29
Fluoranthene	100	1000	17	0.18 J	44	0.23	3.2	3.9
Fluorene	30	1000	6	0.2 U	0.82 J	0.15 J	0.16 J	1
Indeno(1,2,3-cd)pyrene	0.5	11	3.4	0.16 J	12	0.17 J	1.2	0.56
Naphthalene	12	1000	8.1	0.12 J	1.3 J	0.83	0.46 J	5.1
Phenanthrene	100	1000	22	0.31	33	0.44	2.4	4.7
Pyrene	100	1000	11	0.16 J	33	0.16 J	2.4	2.5

All results in parts per million (ppm)
U = Compound not detected at a concentration exceeding the indicated Laboratory Reporting Limit (RL).
J = Concentration is greater than the Method Detection Level but less than the RL. The value is estimated.
D = Concentration in the initial analysis exceeded the instrument calibration range. The sample was reanalyzed at a dilution factor.
Bold and yellow highlighted = Value is greater than the Restricted Use, Industrial Soil Cleanup Objective
Bold and orange highlighted = Value is greater than the Unrestricted Use, Soil Cleanup Objective
Green highlighted = Laboratory Reporting limit exceeds the Unrestricted Use Soil Cleanup Objective due to sample dilution

APPENDIX A

Field Soil Boring Logs

 Environmental Corporation 57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006				SOIL BORING LOG		BORING NUMBER DPT-01	
PROJECT NAME: Chevron Troy				LOCATION: Troy, New York		DATE DRILLED: 05/06/13 DRILLER: ADT LOGGED BY: R. Totino	
PROJECT NO.: 194098				CONTRACTOR: Advanced Drilling Technology			
SAMPLER TYPE/DIA.: Macrocore/2"				DEPTH TO WATER: 15.5 ft. bgs			
BORING METHOD: Direct Push				TOTAL DEPTH DRILLED: 27.1 ft. bgs			
DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS	
0							
1		34.8	ND			FILL; black, medium to coarse sand, fine gravel, cinders, some ash	
2							
3							
4							
5							
6		45.6	ND			FILL; black slag, sand, gravel, asphalt, fragments, moist	
7							
8							
9							
10							
11		42	ND			FILL; black slag, sand, gravel, asphalt, fragments, moist	
12							
13							
14							
15							
16		48	8	DPT-01/13.5-14		12 - 14.2 ft - FILL; black, fine to coarse sand with gravel, slightly moist. Wet at 14.2 ft 14.2 - 14.8 ft - FILL; dark brown clay, little mottles, moderately dense 14.8 - 16 ft - FILL; clay with fine to medium sand, some slag and asphalt, moist to wet	
17							
18							
19							
20							
17		48	ND			FILL; black, fine to coarse sand with gravel, little slag, moist 18.5 - 18.9 ft - shale fragment, wet	
18							
19							
20							
20							

 Environmental Corporation 57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006				SOIL BORING LOG		BORING NUMBER DPT-01	
PROJECT NAME: Chevron Troy				LOCATION: Troy, New York			
PROJECT NO.: 194098				CONTRACTOR: Advanced Drilling Technology			
SAMPLER TYPE/DIA.: Macrocore/2"				DEPTH TO WATER: 15.5 ft. bgs			
BORING METHOD: Direct Push				TOTAL DEPTH DRILLED: 27.1 ft. bgs			
DATE DRILLED: 05/06/13							
DRILLER: ADT							
LOGGED BY: R. Totino							
DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS	
21		48	ND			20-22.5 - FILL; black, fine to coarse sand with gravel, no odors, moderately dense, moist, wet at 21 ft	
	ND						
	ND						
22			ND			22.5-23 ft- fine to medium SAND, wet, dense	
			ND			23-23.5 ft - brown to gray CLAY with shale fragment embedded, slightly moist	
23			ND			23.5-24 ft - dark gray, SILT and very fine to fine, dense SAND, no mottles, little trace mica, slightly moist	
24			ND			24 - 26 ft - dark brown, fine to coarse SAND, some silt, saturated	
25		44.4	ND			26-26.7 ft - gray, medium SAND, little to trace silt and clay, wet	
			ND			26.7- 27.1 ft - dark brown to dark gray, fine to medium SAND, wood fragments at bottom, moist	
			ND				
26			ND				
			ND				
27			ND				
28						EOB - Refusal at 27.1	

 Environmental Corporation 57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006				SOIL BORING LOG		BORING NUMBER DPT-02	
PROJECT NAME: Chevron Troy LOCATION: Troy, New York				DATE DRILLED: 05/06/13		DRILLER: ADP LOGGED BY: R. Totino	
PROJECT NO.: 194098 CONTRACTOR: Advanced Drilling Technology							
SAMPLER TYPE/DIA.: Macrocore/2" DEPTH TO WATER: NA				TOTAL DEPTH DRILLED: 15.2 ft. bgs			
BORING METHOD: Direct Push							
DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS	
0							
1		32.4	ND	DPT-02/4.5-5		FILL; fine to medium sand with gravel, a few larger stones on top, asphalt and cinders, some asphalt fragments, soft, and loose, dry	
2			ND				
3			ND				
4			ND				
5		32.4	77	DPT-02/4.5-5		FILL; fine to medium sand with gravel, asphalt and cinders, some asphalt fragments, soft, and loose, dry	
6			77				
7			7-10				
8			7-10				
9		43.2	7-10			FILL; fine to medium sand with gravel, asphalt and cinders, some asphalt fragments, soft, and loose, dry	
10			ND				
11			ND				
12			ND				
13		36	ND			FILL; fine to medium sand with gravel, asphalt and cinders, some asphalt fragments, soft, and loose, dry	
14			ND				
15			ND				
16			ND				
						EOB - Refusal at 15.2	

**Environmental Corporation**

57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006

SOIL BORING LOG**BORING NUMBER****DPT-03****PROJECT NAME:** Chevron Troy**LOCATION:** Troy, New York**PROJECT NO.:** 194098**CONTRACTOR:** Advanced Drilling Technology**DATE DRILLED:** 05/06/13**SAMPLER TYPE/DIA.:** Macrocore/2"**DEPTH TO WATER:** 15.0 ft. bgs**DRILLER:** ADP**BORING METHOD:** Direct Push**TOTAL DEPTH DRILLED:** 15 ft. bgs**LOGGED BY:** R. Totino

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
0						
1		36	ND			FILL; fine to coarse sand with gravel, some slag, asphalt fragments, stones, loose, soft, and dry
2			ND			
3			ND			
4			ND			
5		36	ND			FILL; fine to coarse sand with gravel, some slag, asphalt fragments, stones, loose, soft, and dry
6			ND			
7			ND			
8			ND			
9		40.8	ND			FILL; fine to coarse sand with gravel, some slag, asphalt fragments, stones, loose, soft, and dry
10			ND			
11			ND			
12			ND			
13		48	ND			FILL; fine to coarse sand with gravel, some slag, asphalt fragments, stones, loose, soft, and dry
14			ND			
15			ND			
16			ND			
				DPT-03/14.5-15		wet at 14.8 - 15.0 ft
						EOB - Refusal at 15.0

 Environmental Corporation 57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006					SOIL BORING LOG		BORING NUMBER DPT-04	
PROJECT NAME: Chevron Troy LOCATION: Troy, New York								
PROJECT NO.: 194098 CONTRACTOR: Advanced Drilling Technology							DATE DRILLED: 05/06/13	
SAMPLER TYPE/DIA.: Macrocore/2" DEPTH TO WATER:							DRILLER: ADP	
BORING METHOD: Direct Push TOTAL DEPTH DRILLED: 13.5 ft. bgs							LOGGED BY: R. Totino	
DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS		
0								
1		44.4	ND			FILL; black, fine to medium sand with gravel, some cinders, asphalt, slag, loose, soft, and dry		
2			ND					
3			ND					
4			ND					
5		31.2	ND			FILL; black, fine to medium sand with gravel, some cinders, asphalt, slag, loose, soft, and dry		
6			ND					
7			ND					
8			ND					
9		34.8	ND			8 - 10.5 ft - FILL; black, fine to medium sand with gravel, some cinders, asphalt, slag, loose, soft, and dry		
10			ND					
11			ND			10.5- 10.9 ft - FILL; black, fine to medium sand with gravel, some cinders, asphalt, slag, loose, soft, wet		
12			ND					
13		48	ND			FILL; black, fine to medium sand with gravel, some cinders, asphalt, slag, loose, soft, wet		
14			ND					
15								
16								
						EOB - Refusal at 13.5		

 Environmental Corporation 57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006		SOIL BORING LOG		BORING NUMBER DPT-05		
PROJECT NAME: Chevron Troy LOCATION: Troy, New York				DATE DRILLED: 05/06/13 DRILLER: ADP LOGGED BY: R. Totino		
PROJECT NO.: 194098 CONTRACTOR: Advanced Drilling Technology						
SAMPLER TYPE/DIA.: Macrocore/2" DEPTH TO WATER: 23 feet BORING METHOD: Direct Push TOTAL DEPTH DRILLED: 40 feet						
DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
0						
1		40.8	ND	DPT-05/2.5-3		FILL; fine to coarse sand with gravel, some slag fragments, ash, cinders, loose, soft, and dry
2			ND			
3			4.7-7			
4			4.7-7			
5		40.8	ND			4 - 5 ft -FILL; fine to coarse sand with gravel, some slag fragments, ash, cinders, loose, soft, and dry 5 - 7 ft - FILL; dark brown and black silt with very fine to fine sand, little and trace clay, slightly moist 7 - 7.3 ft - FILL; pulverized stone and concrete 7.3 - 7.6 ft - FILL; black and brown sand, gravel, cinders, and fragments
6			ND			
7			ND			
8			ND			
9		38.4	ND			8 - 10.7 ft - FILL; black and brown sand, gravel, cinders, and fragments 10.7 ft - FILL; silty clay, trace, very fine to fine sand, moist
10			ND			
11			ND			
12			ND			
13		44.4	ND			FILL; silty clay, trace, very fine to fine sand
14			ND			
15			ND			
16			ND			
17		45.6	ND			16 - 18 ft - FILL; silty clay, trace, very fine to fine sand, slightly moist 18 - 19 ft - a little more clay and silt
18			ND			
19			ND			
20			ND			

 Environmental Corporation 57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006		SOIL BORING LOG		BORING NUMBER DPT-05		
PROJECT NAME: Chevron Troy LOCATION: Troy, New York				DATE DRILLED: 05/06/13 DRILLER: ADP LOGGED BY: R. Totino		
PROJECT NO.: 194098 CONTRACTOR: Advanced Drilling Technology						
SAMPLER TYPE/DIA.: Macrocore/2" DEPTH TO WATER: 23 feet BORING METHOD: Direct Push TOTAL DEPTH DRILLED: 40 feet						
DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
21		42	ND	DPT-05/22.5-23		20 - 23 ft - FILL; silty clay, trace, very fine to fine sand, slightly moist Wet at 23 ft 23 - 23.5 ft - shale fragments
22			ND			
23			ND			
24			300			
25		30	60-80			FILL; fine to coarse sand and gravel, little silt, trace clay, shale fragments 1 - 2 cm, saturated
26			60-80			
27			ND			
28			ND			
29		36	ND			28 - 30 ft - FILL; fine to coarse sand and gravel, little silt, trace clay, shale fragments 1 - 2 cm, wet to saturated 30 - 31 ft - FILL; dark gray silt, very fine to fine sand, trace clay, saturated
30			ND			
31			ND			
32			ND			
33		48	ND			32 - 33.5 ft - FILL; fine to coarse sand, gravel, some slag or cinders, moderately dense, wet 33.5 - 34.5 ft - dark gray SILT, little clay 34.5 - 36 ft - dark black and gray SILT and very fine to fine SAND with sub-rounded, white gravel up to .5 cm, dense, moist to slightly wet
34			ND			
35			ND			
36			ND			
37		48	ND			36 - 37 ft - fine to coarse SAND with gravel 37 - 38 ft - dark gray, SILT, trace to little clay, moist and wet 38 - 40 ft - fine to medium SAND with fine gravel to small white stones up to 2 mm, silt, trace clay, moderately dense
38			ND			
39			ND			
40			ND			
						EOB - Refusal at 40.0

 Environmental Corporation 57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006					SOIL BORING LOG		BORING NUMBER DPT-06	
PROJECT NAME: Chevron Troy LOCATION: Troy, New York							DATE DRILLED: 05/07/13 DRILLER: ADP LOGGED BY: R. Totino	
PROJECT NO.: 194098 CONTRACTOR: Advanced Drilling Technology								
SAMPLER TYPE/DIA.: Macrocore/2" DEPTH TO WATER: NA								
BORING METHOD: Direct Push TOTAL DEPTH DRILLED: 9 ft. bgs								
DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS		
0								
1		36	ND			0 - 1.5 ft - FILL; brown fine to medium sand, some gravel and stone fragments 1.5 - 3 ft 0 FILL; black, fine to medium sand, gravel, asphalt and cinders, pulverized red brick fragments		
2								
3								
4								
5		36	ND			4 - 6.5 ft - FILL; black, fine to medium sand, gravel, asphalt and cinders pulverized red brick fragments 6.5 - 7 ft - FILL; light tan crushed stone and slag, some grey pulverized stone		
6								
7								
8								
9		48	ND			8 - 9 ft - FILL; light tan crushed stone and slag, some grey pulverized stone		
10								
11								
12								
						EOB - Refusal at 9.0 ft. bgs		

 Environmental Corporation 57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006		SOIL BORING LOG		BORING NUMBER DPT-07		
PROJECT NAME: Chevron Troy LOCATION: Troy, New York				DATE DRILLED: 05/07/13 DRILLER: ADP LOGGED BY: R. Totino		
PROJECT NO.: 194098 CONTRACTOR: Advanced Drilling Technology						
SAMPLER TYPE/DIA.: Macrocore/2" DEPTH TO WATER: NA						
BORING METHOD: Direct Push TOTAL DEPTH DRILLED: 11.5 feet						
DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
0						
1		34.8	15			0 - 1.9 ft - FILL; brown, fine sand with silt, some gravel, trace organics 1.9 - 2.9 ft - FILL; black, fine to coarse sand, gravel, slag, shale fragments
	15					
2	5.7					
	5.7					
3			15.7			
4			15.7			
			ND			
			ND			
5		31.2	ND			FILL; black, fine to coarse sand, gravel, slag, shale fragments
			ND			
6			ND			
			ND			
7			ND			
8			ND			
			ND			
9		48	ND			FILL; black, fine to coarse sand, gravel, slag, shale fragments
			ND			
10			ND			
			ND			
11			ND			
			ND			
12				DPT-07/11-11.5		
						EOB - Refusal at 11.5 ft. bgs

 Environmental Corporation 57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006					SOIL BORING LOG		BORING NUMBER DPT-08		
PROJECT NAME: Chevron Troy LOCATION: Troy, New York									
PROJECT NO.: 194098 CONTRACTOR: Advanced Drilling Technology							DATE DRILLED: 05/07/13		
SAMPLER TYPE/DIA.: Macrocore/2" DEPTH TO WATER:							DRILLER: ADP		
BORING METHOD: Direct Push TOTAL DEPTH DRILLED: 11.5 feet							LOGGED BY: R. Totino		
DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS			
0									
1		36	ND	DPT-08/3.5-4		0 - 2.6 ft - FILL; brown, fine to medium sand, silt, gravel, loose and dry			
2	ND				2 - 3 ft - FILL; black, fine to coarse sand, gravel, cinders, pulverized slag				
3	ND								
4	ND								
5			36		170			FILL; black, fine to coarse sand, gravel, cinders, pulverized slag	
6	170								
7	ND								
8	ND								
9		37.2		27			FILL; black, fine to coarse sand, gravel, cinders, pulverized slag		
10	27								
11	7								
12	7								
13	1.6								
14	1.6	37.2	ND						
15	ND								
16	ND								
			37.2	15-20			12 -13.5 ft - FILL; black, fine to coarse sand, gravel, cinders, pulverized slag		
				15-20			13.5 - 15.1 ft - FILL; crushed and pulverized shale, some silt, trace clay, moist to wet		
		15-20							
		15-20							
		15-20							
						EOB - Refusal at 15.6 ft. bgs			

 Environmental Corporation 57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006					SOIL BORING LOG		BORING NUMBER DPT-09	
PROJECT NAME: Chevron Troy LOCATION: Troy, New York								
PROJECT NO.: 194098 CONTRACTOR: Advanced Drilling Technology							DATE DRILLED: 05/07/13	
SAMPLER TYPE/DIA.: Macrocore/2" DEPTH TO WATER: 17.0 ft. bgs							DRILLER: ADT	
BORING METHOD: Direct Push TOTAL DEPTH DRILLED: 23 ft. bgs							LOGGED BY: R. Totino	
DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS		
0								
1		33.6	ND			FILL; black, fine to coarse sand, gravel, crushed stone, cinders, little ash, pulverized slag		
2								
3								
4								
5								
6		42	ND			FILL; black, fine to coarse sand, gravel, crushed stone, cinders, little ash, pulverized slag		
7								
8								
9								
10								
11		32.4	ND			FILL; black, fine to coarse sand, gravel, crushed stone, cinders, little ash, pulverized slag		
12								
13								
14								
15								
16		37.2	ND			12 - 14 ft - FILL; black, fine to coarse sand, gravel, crushed stone, cinders, little ash, pulverized slag		
17								
18								
19								
20								
17		36	ND			14 - 15 ft - FILL; black, fine to coarse sand, gravel, crushed stone, cinders, little ash, pulverized slag, crushed red brick		
18								
19								
20								
21								
17		36	ND			FILL; black, fine to coarse sand, gravel, crushed stone, cinders, little ash, pulverized slag, crushed red brick, more dense, little more clay, moist to slightly wet at 17 ft.		
18								
19								
20								
21								

 Environmental Corporation 57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006				SOIL BORING LOG		BORING NUMBER DPT-09	
PROJECT NAME: Chevron Troy LOCATION: Troy, New York				DATE DRILLED: 05/07/13 DRILLER: ADT LOGGED BY: R. Totino			
PROJECT NO.: 194098 CONTRACTOR: Advanced Drilling Technology							
SAMPLER TYPE/DIA.: Macrocore/2" DEPTH TO WATER: 17.0 ft. bgs							
BORING METHOD: Direct Push TOTAL DEPTH DRILLED: 23 ft. bgs							
DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS	
21		43.2	ND	DPT-09/22.5-23		20 - 22.5 ft - FILL; black, fine to coarse sand, gravel, crushed stone, cinders, little ash, pulverized slag, crushed red brick, more dense, little more clay, moist 22.5 - 23 ft - dark gray and black silt, very fine sand, dense	
			ND				
			ND				
22			ND				
			ND				
23			ND				
24			ND				
						EOB - 23 ft. bgs	

 Environmental Corporation 57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006					SOIL BORING LOG		BORING NUMBER DPT-10	
PROJECT NAME: Chevron Troy LOCATION: Troy, New York								
PROJECT NO.: 194098 CONTRACTOR: Advanced Drilling Technology							DATE DRILLED: 05/07/13	
SAMPLER TYPE/DIA.: Macrocore/2" DEPTH TO WATER: 18.0 ft. bgs							DRILLER: ADP	
BORING METHOD: Direct Push TOTAL DEPTH DRILLED: 23 ft. bgs							LOGGED BY: R. Totino	
DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS		
0								
1		36	ND			FILL; crushed stone, fine to coarse sand and gravel, cinders, slag, ash		
2								
3								
4								
5								
6		39.6	2.9	DPT-10/4-4.5		FILL; crushed stone, fine to coarse sand and gravel, cinders, slag, ash		
7								
8								
9								
10								
11		39.6	ND			FILL; crushed stone, fine to coarse sand and gravel, cinders, slag, ash		
12								
13								
14								
15								
16		39.6	ND			FILL; crushed stone, fine to coarse sand and gravel, cinders, slag, ash		
17								
18								
19								
20								
17		43.2	ND			16 - 19.1 ft - FILL; crushed stone, fine to coarse sand and gravel, cinders, slag, ash, slightly moist		
18								
19								
20								
21								
19		43.2	ND			19.1 - 19.6 ft - FILL; dark gray silt, little clay, moist		
20								
21								
22								
23								

 Environmental Corporation 57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006					SOIL BORING LOG		BORING NUMBER DPT-10	
PROJECT NAME: Chevron Troy LOCATION: Troy, New York					DATE DRILLED: 05/07/13 DRILLER: ADP LOGGED BY: R. Totino			
PROJECT NO.: 194098 CONTRACTOR: Advanced Drilling Technology								
SAMPLER TYPE/DIA.: Macrocore/2" DEPTH TO WATER: 18.0 ft. bgs								
BORING METHOD: Direct Push TOTAL DEPTH DRILLED: 23 ft. bgs								
DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS		
21		31.2	ND			20 - 21 ft - FILL; dark gray silt, little clay, moist		
			ND			21 - 21.8 ft - FILL; black fine to coarse sand, gravel, shale fragments, some slag and cinders, trace brick fragments		
22			ND			21.8 - 22 ft - dark gray SILT with very fine to fine sand, moist		
			ND			22 - 22.6 ft - fragmented SHALE with some silt, wet		
23			ND					
			ND					
24			ND					
						EOB - Refusal at 23		

 Environmental Corporation 57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006		SOIL BORING LOG		BORING NUMBER DPT-11		
PROJECT NAME: Chevron Troy LOCATION: Troy, New York				DATE DRILLED: 05/07/13 DRILLER: ADP LOGGED BY: R. Totino		
PROJECT NO.: 194098 CONTRACTOR: Advanced Drilling Technology						
SAMPLER TYPE/DIA.: Macrocore/2" DEPTH TO WATER: NA						
BORING METHOD: Direct Push TOTAL DEPTH DRILLED: 28 feet						
DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
0						
1		42	ND			0 - 0.5 ft - FILL; crushed asphalt and concrete
2			ND			0.5 - 3.5 ft - FILL; layers of crushed stone, shale fragments, brick, sand and gravel, reworked silt
3			ND			
4			ND			
5			ND			
6		34.8	ND			FILL; layers of crushed stone, shale fragments, brick, sand and gravel, reworked silt
7			ND			
8			ND			
9			ND			
10			ND			
11		30	ND			FILL; layers of crushed stone, shale fragments, brick, sand and gravel, reworked silt
12			ND			
13			ND			
14			ND			
15			ND			
16		0	ND			12 - 16 ft - no recovery
17			ND			
18			ND			
19			ND			
20			ND			
		45.6	ND			16 - 20 ft - no recovery
			ND			
			ND			
			ND			
			ND			

 Environmental Corporation 57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006					SOIL BORING LOG		BORING NUMBER DPT-11	
PROJECT NAME: Chevron Troy LOCATION: Troy, New York					DATE DRILLED: 05/07/13 DRILLER: ADP LOGGED BY: R. Totino			
PROJECT NO.: 194098 CONTRACTOR: Advanced Drilling Technology								
SAMPLER TYPE/DIA.: Macrocore/2" DEPTH TO WATER: NA								
BORING METHOD: Direct Push TOTAL DEPTH DRILLED: 28 feet								
DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS		
21		38.4	ND	DPT-11/23-23.5		20 - 22.5 ft - no recovery		
			ND					
22			ND					
			ND			22.5 - 23.2 ft - dark brown and dark gray SILT, moist		
23			ND					
24		0	ND			24 - 28 ft - no Recovery		
			ND					
25								
26								
27								
28						EOB 28 ft. bgs		

 Environmental Corporation 57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006					SOIL BORING LOG		BORING NUMBER DPT-12	
PROJECT NAME: Chevron Troy LOCATION: Troy, New York								
PROJECT NO.: 194098 CONTRACTOR: Advanced Drilling Technology							DATE DRILLED: 05/08/13	
SAMPLER TYPE/DIA.: Macrocore/2" DEPTH TO WATER: 15.0 ft. bgs							DRILLER: ADP	
BORING METHOD: Direct Push TOTAL DEPTH DRILLED: 15.2 ft. bgs							LOGGED BY: R. Totino	
DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS		
0								
1		42	ND	DPT-12/3.5-4		FILL; black, fine to coarse sand and gravel with cinders, slag and shale fragments, trace to little ash, slightly dense, dry		
2								
3								
4								
5								
6		43.2	ND			FILL; black, fine to coarse sand and gravel with cinders, slag and shale fragments, trace to little ash, slightly dense, dry		
7								
8								
9								
10								
11		44.4	ND			FILL; black, fine to coarse sand and gravel with cinders, slag and shale fragments, trace to little ash, slightly dense, dry		
12								
13								
14								
15								
16		38.4	ND			12 - 14.6 ft - FILL; black, fine to coarse sand and gravel with cinders, slag and shale fragments, trace to little ash, slightly dense, dry 14.6 - 15.2 ft - FILL; black, fine to coarse sand and gravel with cinders, slag and shale fragments, trace to little ash, slightly dense, wet		
17								
18								
19								
20								
						EOB - Refusal at 15.2 ft. bgs		

 Environmental Corporation 57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006					SOIL BORING LOG		BORING NUMBER DPT-13	
PROJECT NAME: Chevron Troy LOCATION: Troy, New York								
PROJECT NO.: 194098 CONTRACTOR: Advanced Drilling Technology							DATE DRILLED: 05/08/13	
SAMPLER TYPE/DIA.: Macrocore/2" DEPTH TO WATER: 15.5 ft. bgs							DRILLER: ADP	
BORING METHOD: Direct Push TOTAL DEPTH DRILLED: 18.8 ft. bgs							LOGGED BY: R. Totino	
DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS		
0								
1		40.8	ND			0 - .5 ft - crushed concrete		
2	ND		.5 - 3.4 ft - FILL; black, fine to coarse sand and gravel, some shale and asphalt fragments, cinders, moderately to slightly dense, dry					
3	ND							
4	ND							
5	ND							
6		36	ND			FILL; black, fine to coarse sand and gravel, some shale and asphalt fragments, cinders, moderately to slightly dense, dry		
7	ND							
8	ND							
9	ND							
10	ND							
11		48	ND	DPT-13/7.5-8		FILL; black, fine to coarse sand and gravel, some shale and asphalt fragments, cinders, moderately dense, dry		
12	ND							
13	ND							
14	ND							
15	ND							
16		48	ND	DPT-13/15-15.5		12 - 14.4 ft -FILL; black, fine to coarse sand and gravel, some shale and asphalt fragments, cinders, dense to moderately dense, dry		
17	ND		14.4 - 15.5 ft - FILL; dark brown and orange, fine to medium, sand, gravel, clay, silt, dense, slightly wet					
18	ND		15.5 - 16 ft - FILL; dark brown and orange, fine to medium, sand, gravel, clay, with more dark gray silt, dense, moist to slightly wet					
19	ND							
20	ND							
		36	ND			FILL; black, fine to coarse sand and gravel, cinders, shale and slag fragments, little ash, dry to slightly moist		
			ND					
			ND					
						EOB - Refusal at 18.8 ft. bgs		

 Environmental Corporation 57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006					SOIL BORING LOG		BORING NUMBER DPT-14	
PROJECT NAME: Chevron Troy LOCATION: Troy, New York								
PROJECT NO.: 194098 CONTRACTOR: Advanced Drilling Technology							DATE DRILLED: 05/08/13	
SAMPLER TYPE/DIA.: Macrocore/2" DEPTH TO WATER: NA							DRILLER: ADP	
BORING METHOD: Direct Push TOTAL DEPTH DRILLED: 18.0 ft. bgs							LOGGED BY: R. Totino	
DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS		
0								
1		36	ND			FILL; black, fine to coarse sand and gravel, some shale and slag fragments, ash, cinders, brick fragments, crushed concrete, slightly dense and dry		
2								
3								
4								
5								
6		33.6	ND	DPT-14/6-6.5		FILL; black, fine to coarse sand and gravel, some shale and slag fragments, ash, cinders, brick fragments, crushed concrete, slightly dense and dry		
7								
8								
9								
10								
11		34.8	ND			FILL; black, fine to coarse sand and gravel, some shale and slag fragments, ash, cinders, brick fragments, crushed concrete, slightly dense and dry		
12								
13								
14								
15								
16		45.6	ND			FILL; black, fine to coarse sand and gravel, some shale and slag fragments, ash, cinders, brick fragments, crushed concrete, slightly dense and dry		
17								
18								
19								
20								
17		0	ND	DPT-14/16-16.5		16- 20 ft - no recovery		
18								
19								
20								
						EOB - Refusal at 17-18		

 Environmental Corporation 57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006					SOIL BORING LOG		BORING NUMBER DPT-15	
PROJECT NAME: Chevron Troy LOCATION: Troy, New York								
PROJECT NO.: 194098 CONTRACTOR: Advanced Drilling Technology							DATE DRILLED: 05/08/13	
SAMPLER TYPE/DIA.: Macrocore/2" DEPTH TO WATER: 17.0 ft. bgs							DRILLER: ADP	
BORING METHOD: Direct Push TOTAL DEPTH DRILLED: 17.5 ft. bgs							LOGGED BY: R. Totino	
DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS		
0								
1		30	ND			FILL; black, fine to coarse sand, gravel, slag and shale fragments, ash, cinders, soft, loose, and dry		
2								
3								
4								
5								
6		31.2	ND			FILL; black, fine to coarse sand, gravel, slag and shale fragments, ash, cinders, soft, loose, and dry		
7								
8								
9								
10								
11		43.2	ND	DPT-15/10-11		8 - 10 ft - FILL; black, fine to coarse sand, gravel, slag and shale fragments, ash, cinders, soft, loose, and dry 10 - 11 ft - FILL; black, fine to coarse sand, gravel, slag and shale fragments, ash, cinders, soft, loose, and dry, with very thick tar, strong odors. 11 - 11.6 ft - FILL; dark brown silt with sand, gravel, cinders, moist to wet		
12								
13								
14								
15								
16		34.8	ND			12 - 12.7 ft - FILL; dark brown silt with sand, gravel, and cinders, moist to wet 12.7 - 14.9 ft - FILL; brick, stones, sand, gravel, slag, shale, ash, cinders, dense and dry		
17								
18								
19								
20								
		48	ND	DPT-15/17-17.5		16 - 17 ft - FILL; brick, stones, sand, gravel, slag, shale, ash, cinders, dense and dry 17 - 17.5 ft - dark brown and gray SILT with clay, moderately dense, no odor, moist to slightly wet		
						EOB - Refusal at 17.5 ft. bgs		

 Environmental Corporation 57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006					SOIL BORING LOG		BORING NUMBER DPT-16	
PROJECT NAME: Chevron Troy LOCATION: Troy, New York							DATE DRILLED: 05/08/13 DRILLER: ADP LOGGED BY: R. Totino	
PROJECT NO.: 194098 CONTRACTOR: Advanced Drilling Technology								
SAMPLER TYPE/DIA.: Macrocore/2" DEPTH TO WATER: NA BORING METHOD: Direct Push TOTAL DEPTH DRILLED: 10.2 ft. bgs								
DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS		
0						0 - 1 ft - light tan soil		
1		45.6	ND			1 - 3.8 ft - FILL; black, fine to coarse sand and gravel, slag, cinders, shale, stones, loose, soft, and dry		
2								
3								
4								
5		46.8	ND			FILL; black, fine to coarse sand and gravel, slag, cinders, shale, stones, brick, shale slag layers, loose, soft, and dry		
6								
7								
8								
9		48	20.6	DPT-16/9.5-10		8 - 9.6 ft -FILL; black, fine to coarse sand and gravel, slag, cinders, shale, stones, brick, shale slag layers, loose, soft, and dry 9.6 - 10.2 ft -FILL; black, fine to coarse sand and gravel, slag, cinders, shale, stones, brick, shale and slag layers, more silt, loose, soft, and dry		
10								
11								
12								
						EOB - Refusal at 10.2 ft. bgs		

 Environmental Corporation 57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006					SOIL BORING LOG		BORING NUMBER DPT-17	
PROJECT NAME: Chevron Troy LOCATION: Troy, New York								
PROJECT NO.: 194098 CONTRACTOR: Advanced Drilling Technology							DATE DRILLED: 05/08/13	
SAMPLER TYPE/DIA.: Macrocore/2" DEPTH TO WATER: 16.0 ft. bgs							DRILLER: ADT	
BORING METHOD: Direct Push TOTAL DEPTH DRILLED: 19.3 ft. bgs							LOGGED BY: R. Totino	
DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS		
0								
1		36	ND			0 - 1 ft - light tan soil to silt, sand, little gravel 1 - 3 ft - black, fine to coarse sand, gravel, silt, loose, soft, and dry		
2								
3								
4								
5								
6		30	ND			black, fine to coarse sand, gravel, silt, loose, soft, and dry		
7								
8								
9								
10								
11		38.4	20.6			black, fine to coarse sand, gravel, silt, moderately dense, dry		
12								
13								
14								
15								
16		42	ND			black, fine to coarse sand, gravel, silt, moderately dense, dry		
17								
18								
19								
20								
17		36	ND	DPT-17/18.5-19		black, fine to coarse sand, gravel, a little more silt, moderately dense, moist to slightly wet		
18								
19								
20								
						EOB - Refusal at 19.3 ft. bgs		

 Environmental Corporation 57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006					SOIL BORING LOG		BORING NUMBER DPT-18	
PROJECT NAME: Chevron Troy LOCATION: Troy, New York								
PROJECT NO.: 194098 CONTRACTOR: Advanced Drilling Technology							DATE DRILLED: 05/08/13	
SAMPLER TYPE/DIA.: Macrocore/2" DEPTH TO WATER: NA							DRILLER: ADP	
BORING METHOD: Direct Push TOTAL DEPTH DRILLED: 18 ft. bgs							LOGGED BY: R. Totino	
DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS		
0								
1		45.6	ND	DPT-18/3.5-4		0 - 0.8 ft - topsoil		
	ND				0.8 - 3.8 ft - FILL; black, fine to coarse sand, gravel, silt, slag or shale cinders, little ash			
2	63							
	63							
3	63							
4			180					
5		30	17			FILL; black, fine to coarse sand, gravel, silt, slag or shale cinders, little ash		
	17							
6	7-8							
	7-8							
7	1.4							
8			ND					
			ND					
9		33.6	ND			8 - 10 ft - FILL; black, fine to coarse sand, gravel, silt, slag or shale cinders, little ash		
	ND							
10	ND				10 - 11.4 ft - FILL; dark black silt embedded with tar-like material, very dense, hard, very elastic, sticky, odor, wet			
	ND				11.4 - 11.8 ft - FILL; dark gray and dark brown silt with little clay, trace, very fine to fine sand, moist to a little wet			
11	ND							
12			ND					
13		48	ND			FILL; dark black silt embedded with tar-like material		
	ND							
14	ND							
	ND							
15	ND							
16			ND					
17		24	14- 20			16 - 17 ft - FILL; dark black silt embedded with tar-like material		
	14-20				17 - 17.5 ft - dark brown and gray SILT, dense, no odor			
18	ND							
	ND							
19	ND							
20			ND			EOB - Refusal at 17 - 18 ft. bgs		

 Environmental Corporation 57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006					SOIL BORING LOG		BORING NUMBER DPT-19	
PROJECT NAME: Chevron Troy LOCATION: Troy, New York								
PROJECT NO.: 194098 CONTRACTOR: Advanced Drilling Technology							DATE DRILLED: 05/08/13	
SAMPLER TYPE/DIA.: Macrocore/2" DEPTH TO WATER: NA							DRILLER: ADP	
BORING METHOD: Direct Push TOTAL DEPTH DRILLED: 17.1 ft. bgs							LOGGED BY: R. Totino	
DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS		
0								
1		46.8	ND			0 - 0.5 ft - topsoil		
2	ND				0.5 - 3.9 ft - FILL; black, fine to coarse sand, gravel, slag and shale fragments, ash, cinders, dry, soft and loose			
3	ND							
4	ND							
5	ND							
6		32.4	ND			FILL; black, fine to coarse sand, gravel, slag and shale fragments, ash, cinders, dry, soft and loose		
7	ND							
8	ND							
9	ND							
10	ND							
11		33.6	ND			FILL; black, fine to coarse sand, gravel, slag and shale fragments, ash, cinders, dry, soft and loose		
12	ND							
13	ND							
14	ND							
15	ND							
16		48	ND			12 - 13.3 ft - slough from above		
17	ND				13.3 - 16 ft - layered FILL; yellow granular material, red brick, and fill			
18	ND							
19	ND							
20	ND							
		13.2	14-20			layered FILL; yellow granular material, red brick		
			14-20					
			ND					
						EOB - Refusal at 17.1 ft. bgs		

 Environmental Corporation 57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006					SOIL BORING LOG		BORING NUMBER DPT-20	
PROJECT NAME: Chevron Troy LOCATION: Troy, New York								
PROJECT NO.: 194098 CONTRACTOR: Advanced Drilling Technology							DATE DRILLED: 05/10/13	
SAMPLER TYPE/DIA.: Macrocore/2" x 5' DEPTH TO WATER: 16.5 ft. bgs							DRILLER: ADP	
BORING METHOD: Direct Push TOTAL DEPTH DRILLED: 28.1 ft. bgs							LOGGED BY: R. Totino	
DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS		
0								
1		39.6	ND			0 - 1 ft - top soil		
2	ND		1 - 3.3 ft - FILL; fine to coarse sand with shale and slag fragments and pulverized dark brown, very fine to fine sand, silt, moderately dense, dry					
3	ND							
4	ND							
5	ND							
6		51.6	ND			FILL; fine to coarse sand with shale and slag fragments and pulverized dark brown, very fine to fine sand, silt, moderately dense, dry		
7	ND							
8	ND							
9	ND							
10	ND							
11		36	ND	DPT-20/12-12.5		FILL; fine to coarse sand with shale and slag fragments and pulverized dark brown, very fine to fine sand, silt, moderately dense, dry		
12	ND							
13	ND							
14	ND							
15	ND		14 - 15 ft - moist horizon					
16		36	ND			15 - 16.5 ft - FILL; fine to coarse sand with shale and slag fragments and pulverized dark brown, very fine to fine sand, silt, moderately dense, moist at 16 ft		
17	ND		16.5 - 18 ft - FILL dark brown, fine to coarse sand, fine to medium gravel, little slag and crushed stone, moist					
18	ND							
19	ND							
20	ND							

 Environmental Corporation 57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006				SOIL BORING LOG		BORING NUMBER DPT-20	
PROJECT NAME: Chevron Troy LOCATION: Troy, New York				DATE DRILLED: 05/10/13 DRILLER: ADP LOGGED BY: R. Totino			
PROJECT NO.: 194098 CONTRACTOR: Advanced Drilling Technology							
SAMPLER TYPE/DIA.: Macrocore/2" x 5' DEPTH TO WATER: 16.5 ft. bgs BORING METHOD: Direct Push TOTAL DEPTH DRILLED: 28.1 ft. bgs							
DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS	
21		18	ND			fine to coarse GRAVEL, little sand, trace silt, moist to very moist	
22							
23							
24		21.6	ND			25 - 26.1 ft - fine to coarse GRAVEL, little sand, trace silt, saturated 26.1 - 26.8 ft - weathered, fragmented SHALE, saturated	
26							
27							
28							
29			ND				
30							
						EOB - Refusal at 28.1 ft. bgs	

 Environmental Corporation 57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006					SOIL BORING LOG		BORING NUMBER DPT-21	
PROJECT NAME: Chevron Troy LOCATION: Troy, New York								
PROJECT NO.: 194098 CONTRACTOR: Advanced Drilling Technology							DATE DRILLED: 05/10/13	
SAMPLER TYPE/DIA.: Macrocore/2" DEPTH TO WATER: 17.5 ft. bgs							DRILLER: ADP	
BORING METHOD: Direct Push TOTAL DEPTH DRILLED: 29.8 ft. bgs							LOGGED BY: R. Totino	
DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS		
0								
1		54	ND	DPT-21/3-3.5		0 - 0.5 ft - top soil		
2	ND				0.5 - 3.5 ft - FILL; dark brown and black, fine to coarse sand, gravel, fragmented and pulverized shale			
3	17							
4	17							
5	20							
6			200			3.5 - 4.5 ft - FILL; more dark brown, fine sand and silt, moderately dense, dry		
7			200					
8			24-30					
9			ND					
10		36	21			FILL; dark brown and black, fine to coarse sand and silt, gravel, fragmented and pulverized shale, moderately dense, dry		
11	21							
12	8							
13	8							
14	28							
15			28					
16			ND					
17			ND					
18			ND					
19			ND					
20			ND					
21		33.6	ND			FILL; dark brown and black, fine to coarse sand and silt, gravel, fragmented and pulverized shale, moderately dense, dry		
22	ND							
23	ND							
24	ND							
25	ND							
26			ND			FILL; dark brown and black, fine to coarse sand and silt, gravel, fragmented and pulverized shale, moderately dense, slightly moist at 17 - 17.5 ft		
27		24	ND					
28	ND							
29	ND							
30	ND							
31	ND							

 Environmental Corporation 57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006		SOIL BORING LOG		BORING NUMBER DPT-21		
PROJECT NAME: Chevron Troy LOCATION: Troy, New York				DATE DRILLED: 05/10/13 DRILLER: ADP LOGGED BY: R. Totino		
PROJECT NO.: 194098 CONTRACTOR: Advanced Drilling Technology						
SAMPLER TYPE/DIA.: Macrocore/2" DEPTH TO WATER: 17.5 ft. bgs BORING METHOD: Direct Push TOTAL DEPTH DRILLED: 29.8 ft. bgs						
DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
21		30	ND	DPT-21/21.5-22		FILL; dark brown and black, fine to coarse sand and silt, gravel, fragmented and pulverized shale, moderately dense Wet at 21.5 ft
22						
23						
24			ND			
			ND			
25			ND			
			ND			
26		26.4	ND			25 - 26 ft - FILL, dark brown, medium to coarse sand, fine gravel, little trace silt, trace clay, saturated 26 - 27.2 ft - FILL; dark brown gravel to dark gray silt with clay, little trace gravel, dense, wet
27						
28						
			ND			
29			ND			
			ND			
30			ND			
						EOB - Refusal at 29.8 ft. bgs

 Environmental Corporation 57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006					SOIL BORING LOG		BORING NUMBER DPT-22	
PROJECT NAME: Chevron Troy LOCATION: Troy, New York								
PROJECT NO.: 194098 CONTRACTOR: Advanced Drilling Technology							DATE DRILLED: 05/10/13	
SAMPLER TYPE/DIA.: Macrocore/2" DEPTH TO WATER:							DRILLER: ADP	
BORING METHOD: Direct Push TOTAL DEPTH DRILLED: 30 ft. bgs							LOGGED BY: R. Totino	
DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS		
0								
1		46.8	ND			0 - 1 ft - FILL; light brown silt, fine sand, dry		
2	ND		1 - 3.9 ft - FILL; black, fine to medium sand, with pulverized shale, slag and shale fragments, cinders, ash, gravel, silt					
3	ND							
4	ND							
5	ND							
6		18	ND			FILL; black, fine to medium sand, with pulverized shale, slag and shale fragments, cinders, ash, gravel, silt, loose		
7	ND							
8	ND							
9	ND							
10	ND							
11		33.6	4	DPT-22/13.5-14		10 - 11 ft - FILL; black, fine to medium sand, with pulverized shale, slag and shale fragments, cinders, ash, gravel, silt, loose		
12	28		11 - 11.5 ft - FILL; yellow, porous, loose material					
13	28		11.5 - 15 ft - FILL; black, fine to medium sand, with pulverized shale, slag and shale fragments, cinders, ash, gravel, silt, loose					
14	50							
15	50							
16		38.4	128			FILL; black, fine to medium sand, with pulverized , shale, slag and shale fragments, cinders, ash, gravel, silt, dense, moist		
17	48		17 - 18 ft - petroluem-like odors					
18	48							
19	250							
20	250							

 Environmental Corporation 57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006		SOIL BORING LOG		BORING NUMBER DPT-22		
PROJECT NAME: Chevron Troy LOCATION: Troy, New York				DATE DRILLED: 05/10/13 DRILLER: ADP LOGGED BY: R. Totino		
PROJECT NO.: 194098 CONTRACTOR: Advanced Drilling Technology						
SAMPLER TYPE/DIA.: Macrocore/2" DEPTH TO WATER:						
BORING METHOD: Direct Push TOTAL DEPTH DRILLED: 30 ft. bgs						
DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
21		48	ND			20 - 23.5 ft - FILL; black, fine to medium sand, with pulverized, shale, slag, and shale fragments, cinders, ash, gravel, silt, dense, saturated
22						
23		42	ND			23.5 - 24 ft - dark gray SILT, trace, very fine sand, trace organics
24						
25		42	ND			25 - 26 ft - medium to coarse SAND, fine gravel, saturated 26 - 28.5 ft - dark gray SILT, saturated, some bedding, sub rounded gravel, little to trace gravel
26						
27		42	ND			
28						
29		42	ND			
30						
						EOB 30.0 ft. bgs

 Environmental Corporation 57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006					SOIL BORING LOG		BORING NUMBER DPT-23	
PROJECT NAME: Chevron Troy LOCATION: Troy, New York								
PROJECT NO.: 194098 CONTRACTOR: Advanced Drilling Technology							DATE DRILLED: 05/10/13	
SAMPLER TYPE/DIA.: Macrocore/2" DEPTH TO WATER: NA							DRILLER: ADP	
BORING METHOD: Direct Push TOTAL DEPTH DRILLED: 14.9 ft. bgs							LOGGED BY: R. Totino	
DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS		
0								
1		42	ND	DPT-23/2.5-3		0 - 0.8 ft - top soil		
	ND				0.8 - 3.5 ft - FILL; black, fine to medium sand, with pulverized shale, slag and shale fragments, cinders, ash, gravel, silt, loose			
2	ND							
	ND							
3	ND							
	ND							
4			ND					
5			ND					
6		24	ND			FILL; black, fine to medium sand, with pulverized shale, slag and shale fragments, cinders, ash, gravel, silt, loose		
	ND							
7	ND							
	ND							
8	ND							
	ND							
9			ND			FILL; black, fine to medium sand, with pulverized shale, slag and shale fragments, cinders, ash, gravel, silt, loose		
10		ND						
11		ND						
		ND						
12		ND						
		ND						
13			ND			14 ft - SHALE fragments		
		ND						
14		ND						
		ND						
15			ND					
						EOB - Refusal at 14.9 ft. bgs		

 Environmental Corporation 57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006					SOIL BORING LOG		BORING NUMBER DPT-24	
PROJECT NAME: Chevron Troy LOCATION: Troy, New York							DATE DRILLED: 05/10/13 DRILLER: ADP LOGGED BY: R. Totino	
PROJECT NO.: 194098 CONTRACTOR: Advanced Drilling Technology								
SAMPLER TYPE/DIA.: Macrocore/2" DEPTH TO WATER: NA								
BORING METHOD: Direct Push TOTAL DEPTH DRILLED: 12.3 ft. bgs								
DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS		
0								
1		24	ND			0 - 0.5 ft - top soil		
	ND		0.5 - 5 ft - FILL; brown, medium sand, some sub rounded gravel, dry grade bottom 3" to fill, black, medium sand, slag, brick					
2	ND							
3	ND							
4	ND							
5		18	ND	DPT-24/9-10		FILL; black, medium sand, slag, brick and coal tar-like odors		
6	ND							
7	ND							
8	ND							
9	ND							
10		27.6	ND			10 - 11 ft - FILL; black, medium sand, slag, brick and coal tar-like odors		
11	ND		11 - 12.3 ft - FILL; light gray to gray pulverized, concrete or concrete dust					
12	ND							
13	ND							
14								
15						EOB - Refusal at 12.3 ft. bgs		

 Environmental Corporation 57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006					SOIL BORING LOG		BORING NUMBER DPT-25	
PROJECT NAME: Chevron Troy LOCATION: Troy, New York								
PROJECT NO.: 194098 CONTRACTOR: Advanced Drilling Technology							DATE DRILLED: 05/10/13	
SAMPLER TYPE/DIA.: Macrocore/2" DEPTH TO WATER: 15.0 ft. bgs							DRILLER: ADP	
BORING METHOD: Direct Push TOTAL DEPTH DRILLED: 25 ft. bgs							LOGGED BY: R. Totino	
DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS		
0								
1		31.2	ND			0 - 0.5 ft - top soil		
	ND				0.5 - 2.6 ft - FILL; black, medium sand, slag, brick			
	ND							
	ND							
	ND							
2			ND					
3			ND					
4			ND					
5			ND					
6		24	ND			5 - 5.6 - FILL; black, medium sand, slag, brick		
	ND				5.6 - 7 ft - FILL; coarse gravel with shale and slag fragments, coal tar-like odors, saturated			
	ND							
	ND							
	ND							
7			ND					
8			ND					
9			ND					
10			ND					
11		36	ND			FILL; sand, gravel, ash, coal slag, shale fragments, some odors, dense, dry to slightly moist		
	ND							
	ND							
	ND							
	ND							
12			ND					
13			ND					
14			ND					
15			ND					
16		48	ND			FILL; black, fine to coarse sand with fine gravel, some silt, trace clay, pulverized slag and shale fragments, little ash, cinders, no odors, wet		
	ND							
	ND							
	ND							
	ND							
17			ND					
18			ND					
19			ND					
20			ND					

 Environmental Corporation 57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006				SOIL BORING LOG		BORING NUMBER DPT-25	
PROJECT NAME: Chevron Troy LOCATION: Troy, New York				DATE DRILLED: 05/10/13 DRILLER: ADP LOGGED BY: R. Totino			
PROJECT NO.: 194098 CONTRACTOR: Advanced Drilling Technology							
SAMPLER TYPE/DIA.: Macrocore/2" DEPTH TO WATER: 15.0 ft. bgs BORING METHOD: Direct Push TOTAL DEPTH DRILLED: 25 ft. bgs							
DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS	
21		42	ND	DPT-25/22-23		20 - 23 ft - FILL; fine to coarse sand, fine gravel, little slag, shale, ash, cinders, fill, saturated 21 - 23 ft - slight odors 23 - 23.5 ft - gray SILT	
22							
23							
24							
25							
						EOB 25.0 ft. bgs	

 Environmental Corporation 57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006					SOIL BORING LOG		BORING NUMBER DPT-26	
PROJECT NAME: Chevron Troy LOCATION: Troy, New York								
PROJECT NO.: 194098 CONTRACTOR: Advanced Drilling Technology							DATE DRILLED: 05/10/13	
SAMPLER TYPE/DIA.: Macrocore/2" DEPTH TO WATER: NA							DRILLER: ADP	
BORING METHOD: Direct Push TOTAL DEPTH DRILLED: 18.0 ft. bgs							LOGGED BY: R. Totino	
DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS		
0								
1		36	ND			0 - 1 ft - top soil		
2	ND		1 - 3 ft - FILL; black, fine to coarse sand with fine gravel, some silt, trace clay, pulverized slag and shale fragments, little ash, cinders					
3	ND							
4	ND							
5	ND							
6		60	ND			FILL; black, fine to coarse sand with fine gravel, some silt trace clay, pulverized slag and shale fragments, little ash, cinders		
7	ND							
8	ND							
9	ND							
10	ND							
11		26.4	ND			10 - 11 ft - FILL; black, fine to coarse sand with fine gravel, some silt, trace clay, pulverized slag and shale fragments, little ash, cinders, wet		
12	ND		11 - 12.2 ft - gray SILT with fine to coarse sand and fine gravel, dense, dry					
13	ND							
14	ND							
15	ND							
16		42	ND	DPT-26/17-17.5		15 - 17.5 ft - gray SILT with fine to coarse sand and fine gravel, dense, slightly wet		
17	ND		17.5 - 18 ft - dark gray and black silt, trace gravel, very fine to fine sand, petroleum-like odors					
18	ND							
19	ND							
20	ND							
						EOB - Refusal at 18.0 ft. bgs		

 Environmental Corporation 57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006					SOIL BORING LOG		BORING NUMBER DPT-27	
PROJECT NAME: Chevron Troy LOCATION: Troy, New York								
PROJECT NO.: 194098 CONTRACTOR: Advanced Drilling Technology							DATE DRILLED: 05/10/13	
SAMPLER TYPE/DIA.: Macrocore/2" DEPTH TO WATER: 18.0 ft. bgs							DRILLER: ADP	
BORING METHOD: Direct Push TOTAL DEPTH DRILLED: 25.0 ft. bgs							LOGGED BY: R. Totino	
DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS		
0								
1		48	ND			0 - 1 ft - top soil		
	ND		1 - 4 ft - FILL; black stained, fine to coarse sand with gravel, pulverized and crushed shale and slag, ash, cinders, dense, dry					
2	ND							
3	ND							
4	ND							
5		48	ND			5 - 7.5 ft - FILL; black stained fine to coarse sand with gravel, pulverized and crushed shale and slag, ash, cinders, dense, dry		
6	ND							
7	ND							
8	75-200		7.5 - 9 ft - FILL; tar-like material embedded on slit and fine to medium fine sand, very dense, viscous					
9	75-200							
10		36	75-200	DPT-27/12-13				
	75-200							
11	75-200		10 - 10.5 ft - FILL; sand with some tar like material, moist to wet					
12	75-200		10.5 - 13 ft - FILL; sand, gravel, silt, brick, crushed stone, pulverized slag or shale					
13	75-200							
14		30	ND					
15	ND							
16	ND		FILL; black, fine to coarse sand, gravel, cinders, moderately dense, dry					
17	ND							
18	ND							
19			ND					
20	ND							

 Environmental Corporation 57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006				SOIL BORING LOG		BORING NUMBER DPT-27	
PROJECT NAME: Chevron Troy LOCATION: Troy, New York				DATE DRILLED: 05/10/13 DRILLER: ADP LOGGED BY: R. Totino			
PROJECT NO.: 194098 CONTRACTOR: Advanced Drilling Technology							
SAMPLER TYPE/DIA.: Macrocore/2" DEPTH TO WATER: 18.0 ft. bgs							
BORING METHOD: Direct Push TOTAL DEPTH DRILLED: 25.0 ft. bgs							
DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS	
21		54	ND	DPT-27/22-22.5		20 - 23.2 ft - FILL; black, fine to coarse sand, gravel, cinders, moderately dense, wet at 22 ft	
22			ND			23.2 - 24.5 ft - gray SILT, wet, slight odors	
23			ND				
24			ND				
25		ND					
						EOB 25.0 ft. bgs	

 Environmental Corporation 57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006					SOIL BORING LOG		BORING NUMBER DPT-28	
PROJECT NAME: Chevron Troy LOCATION: Troy, New York					DATE DRILLED: 05/10/13 DRILLER: ADP LOGGED BY: R. Totino			
PROJECT NO.: 194098 CONTRACTOR: Advanced Drilling Technology								
SAMPLER TYPE/DIA.: Macrocore/2" DEPTH TO WATER: NA								
BORING METHOD: Direct Push TOTAL DEPTH DRILLED: 15.0 ft. bgs								
DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS		
0								
1		48	ND			0 - 0.5 ft - FILL; brown, medium sand		
2	ND		0.5 - 4 ft - FILL; black, medium sand, brick, ash, slag, dry					
3	ND							
4	ND							
5	ND							
6		42	23-157			FILL; black, medium sand, brick, ash, slag, dry, coal tar-like staining in matrix with reworked silt		
7	23-157							
8	23-157							
9	23-157							
10	23-157		9 - 10 ft - FILL; light brown, medium sand, ash, and bricks, moist					
11		36	ND			FILL; black, medium sand, brick, ash, slag		
12	ND							
13	ND							
14	ND							
15	ND							
						EOB 15.0 ft. bgs		

 Environmental Corporation 57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006					SOIL BORING LOG		BORING NUMBER DPT-29	
PROJECT NAME: Chevron Troy LOCATION: Troy, New York							DATE DRILLED: 05/10/13 DRILLER: ADP LOGGED BY: R. Totino	
PROJECT NO.: 194098 CONTRACTOR: Advanced Drilling Technology								
SAMPLER TYPE/DIA.: Macrocore/2" DEPTH TO WATER: NA								
BORING METHOD: Direct Push TOTAL DEPTH DRILLED: 15.0 ft. bgs								
DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS		
0								
1		36	ND	DPT-29/1-2		0 - 0.5 ft - top soil		
	ND				0.5 - 3 ft - FILL; black, medium sand, some subrounded gravel, trace brick ash and cinder, dry			
	ND							
	ND							
	ND							
	ND							
2			ND					
3			ND					
4			ND					
5			ND					
6		60	6-10	DPT-29/6-7		5 - 9 ft - FILL; dark brown, medium sand and silt, trace brick		
	6-10							
	5-7.5							
	5-7.5							
	0-2.5							
	0-2.5							
8			2.5-10					
9			2.5-10			9 - 10 ft - FILL; black, tar-like stained fill, stringy		
10			27					
11		36	ND			FILL; brick, ash, cinder, dry		
	ND							
	ND							
	ND							
	ND							
	ND							
13			ND					
14			ND					
15			ND					
						EOB 15.0 ft. bgs		

APPENDIX B

Community Air Monitoring Program (CAMP) Instrument Data

Test 011

Instrument		Data Properties	
Model	DustTrak DRX	Start Date	05/06/2013
Instrument S/N	8533113005	Start Time	08:50:07
		Stop Date	05/06/2013
		Stop Time	16:00:07
		Total Time	0:07:10:00
		Logging Interval	300 seconds

Test Data							
Data Point	Date	Time	PM1 mg/m ³	PM2.5 mg/m ³	RESP mg/m ³	PM10 mg/m ³	TOTAL mg/m ³
1	05/06/2013	08:55:07	0.020	0.022	0.022	0.024	0.025
2	05/06/2013	09:00:07	0.018	0.020	0.020	0.021	0.021
3	05/06/2013	09:05:07	0.022	0.023	0.024	0.025	0.025
4	05/06/2013	09:10:07	0.016	0.018	0.018	0.019	0.019
5	05/06/2013	09:15:07	0.017	0.018	0.019	0.019	0.019
6	05/06/2013	09:20:07	0.017	0.018	0.019	0.019	0.020
7	05/06/2013	09:25:07	0.018	0.020	0.021	0.021	0.021
8	05/06/2013	09:30:07	0.020	0.021	0.022	0.023	0.023
9	05/06/2013	09:35:07	0.016	0.018	0.018	0.019	0.019
10	05/06/2013	09:40:07	0.015	0.016	0.017	0.017	0.017
11	05/06/2013	09:45:07	0.016	0.017	0.018	0.018	0.018
12	05/06/2013	09:50:07	0.018	0.019	0.020	0.021	0.021
13	05/06/2013	09:55:07	0.017	0.019	0.019	0.020	0.020
14	05/06/2013	10:00:07	0.015	0.016	0.017	0.018	0.018
15	05/06/2013	10:05:07	0.016	0.017	0.018	0.019	0.019
16	05/06/2013	10:10:07	0.020	0.021	0.022	0.024	0.025
17	05/06/2013	10:15:07	0.016	0.018	0.018	0.019	0.019
18	05/06/2013	10:20:07	0.015	0.016	0.017	0.018	0.018
19	05/06/2013	10:25:07	0.015	0.016	0.016	0.018	0.018
20	05/06/2013	10:30:07	0.014	0.016	0.016	0.018	0.018
21	05/06/2013	10:35:07	0.014	0.015	0.016	0.017	0.017
22	05/06/2013	10:40:07	0.014	0.015	0.015	0.016	0.016
23	05/06/2013	10:45:07	0.014	0.015	0.015	0.016	0.016
24	05/06/2013	10:50:07	0.014	0.015	0.016	0.017	0.017
25	05/06/2013	10:55:07	0.014	0.015	0.015	0.016	0.016
26	05/06/2013	11:00:07	0.015	0.016	0.017	0.018	0.018
27	05/06/2013	11:05:07	0.014	0.015	0.016	0.017	0.017
28	05/06/2013	11:10:07	0.013	0.014	0.014	0.015	0.015
29	05/06/2013	11:15:07	0.013	0.014	0.015	0.015	0.015
30	05/06/2013	11:20:07	0.013	0.015	0.015	0.016	0.016
31	05/06/2013	11:25:07	0.014	0.015	0.015	0.016	0.016
32	05/06/2013	11:30:07	0.014	0.015	0.016	0.016	0.017
33	05/06/2013	11:35:07	0.014	0.015	0.015	0.016	0.016
34	05/06/2013	11:40:07	0.013	0.014	0.015	0.016	0.016
35	05/06/2013	11:45:07	0.014	0.015	0.015	0.016	0.016
36	05/06/2013	11:50:07	0.013	0.014	0.014	0.015	0.015
37	05/06/2013	11:55:07	0.013	0.014	0.015	0.016	0.017
38	05/06/2013	12:00:07	0.012	0.013	0.014	0.014	0.014
39	05/06/2013	12:05:07	0.012	0.013	0.014	0.014	0.014
40	05/06/2013	12:10:07	0.012	0.013	0.014	0.014	0.014
41	05/06/2013	12:15:07	0.012	0.013	0.014	0.015	0.015
42	05/06/2013	12:20:07	0.012	0.013	0.013	0.014	0.014
43	05/06/2013	12:25:07	0.012	0.013	0.014	0.014	0.014

Test Data							
Data Point	Date	Time	PM1 mg/m ³	PM2.5 mg/m ³	RESP mg/m ³	PM10 mg/m ³	TOTAL mg/m ³
44	05/06/2013	12:30:07	0.015	0.016	0.017	0.021	0.022
45	05/06/2013	12:35:07	0.012	0.013	0.013	0.014	0.014
46	05/06/2013	12:40:07	0.012	0.013	0.014	0.014	0.014
47	05/06/2013	12:45:07	0.013	0.014	0.014	0.015	0.015
48	05/06/2013	12:50:07	0.012	0.013	0.014	0.014	0.015
49	05/06/2013	12:55:07	0.011	0.012	0.013	0.013	0.013
50	05/06/2013	13:00:07	0.011	0.012	0.012	0.013	0.013
51	05/06/2013	13:05:07	0.012	0.013	0.013	0.013	0.013
52	05/06/2013	13:10:07	0.012	0.013	0.013	0.014	0.014
53	05/06/2013	13:15:07	0.012	0.013	0.013	0.014	0.014
54	05/06/2013	13:20:07	0.012	0.013	0.013	0.014	0.014
55	05/06/2013	13:25:07	0.012	0.013	0.013	0.014	0.014
56	05/06/2013	13:30:07	0.011	0.012	0.012	0.013	0.013
57	05/06/2013	13:35:07	0.011	0.012	0.013	0.014	0.014
58	05/06/2013	13:40:07	0.011	0.012	0.012	0.012	0.013
59	05/06/2013	13:45:07	0.010	0.011	0.012	0.012	0.012
60	05/06/2013	13:50:07	0.010	0.011	0.012	0.012	0.012
61	05/06/2013	13:55:07	0.010	0.011	0.011	0.012	0.012
62	05/06/2013	14:00:07	0.010	0.010	0.011	0.011	0.011
63	05/06/2013	14:05:07	0.010	0.011	0.011	0.011	0.011
64	05/06/2013	14:10:07	0.011	0.011	0.012	0.012	0.012
65	05/06/2013	14:15:07	0.010	0.011	0.011	0.012	0.012
66	05/06/2013	14:20:07	0.011	0.011	0.012	0.012	0.013
67	05/06/2013	14:25:07	0.010	0.011	0.011	0.012	0.012
68	05/06/2013	14:30:07	0.010	0.010	0.011	0.012	0.012
69	05/06/2013	14:35:07	0.010	0.011	0.011	0.012	0.012
70	05/06/2013	14:40:07	0.010	0.011	0.011	0.012	0.012
71	05/06/2013	14:45:07	0.011	0.011	0.012	0.012	0.013
72	05/06/2013	14:50:07	0.010	0.011	0.011	0.012	0.012
73	05/06/2013	14:55:07	0.010	0.011	0.011	0.012	0.012
74	05/06/2013	15:00:07	0.010	0.011	0.012	0.012	0.012
75	05/06/2013	15:05:07	0.010	0.011	0.011	0.012	0.012
76	05/06/2013	15:10:07	0.010	0.011	0.011	0.012	0.012
77	05/06/2013	15:15:07	0.010	0.011	0.011	0.011	0.012
78	05/06/2013	15:20:07	0.010	0.011	0.011	0.012	0.012
79	05/06/2013	15:25:07	0.009	0.010	0.010	0.010	0.010
80	05/06/2013	15:30:07	0.009	0.010	0.011	0.011	0.011
81	05/06/2013	15:35:07	0.010	0.011	0.011	0.012	0.012
82	05/06/2013	15:40:07	0.010	0.011	0.011	0.012	0.012
83	05/06/2013	15:45:07	0.010	0.011	0.011	0.011	0.011
84	05/06/2013	15:50:07	0.010	0.010	0.011	0.011	0.011
85	05/06/2013	15:55:07	0.010	0.011	0.011	0.012	0.012
86	05/06/2013	16:00:07	0.011	0.011	0.012	0.012	0.012

Test 012

Instrument		Data Properties	
Model	DustTrak DRX	Start Date	05/07/2013
Instrument S/N	8533113005	Start Time	08:03:58
		Stop Date	05/07/2013
		Stop Time	12:18:58
		Total Time	0:04:15:00
		Logging Interval	300 seconds

Test Data							
Data Point	Date	Time	PM1 mg/m ³	PM2.5 mg/m ³	RESP mg/m ³	PM10 mg/m ³	TOTAL mg/m ³
1	05/07/2013	08:08:58	0.017	0.019	0.020	0.023	0.023
2	05/07/2013	08:13:58	0.014	0.015	0.016	0.018	0.018
3	05/07/2013	08:18:58	0.014	0.016	0.016	0.017	0.017
4	05/07/2013	08:23:58	0.015	0.016	0.017	0.018	0.019
5	05/07/2013	08:28:58	0.013	0.014	0.015	0.016	0.016
6	05/07/2013	08:33:58	0.012	0.013	0.014	0.015	0.015
7	05/07/2013	08:38:58	0.012	0.013	0.013	0.014	0.014
8	05/07/2013	08:43:58	0.013	0.014	0.015	0.016	0.016
9	05/07/2013	08:48:58	0.014	0.015	0.016	0.018	0.018
10	05/07/2013	08:53:58	0.013	0.014	0.014	0.016	0.016
11	05/07/2013	08:58:58	0.012	0.013	0.014	0.016	0.016
12	05/07/2013	09:03:58	0.012	0.013	0.013	0.014	0.015
13	05/07/2013	09:08:58	0.013	0.014	0.014	0.015	0.016
14	05/07/2013	09:13:58	0.013	0.014	0.015	0.016	0.017
15	05/07/2013	09:18:58	0.013	0.014	0.014	0.016	0.016
16	05/07/2013	09:23:58	0.013	0.013	0.014	0.015	0.016
17	05/07/2013	09:28:58	0.012	0.013	0.013	0.014	0.014
18	05/07/2013	09:33:58	0.012	0.013	0.014	0.014	0.014
19	05/07/2013	09:38:58	0.012	0.013	0.013	0.014	0.014
20	05/07/2013	09:43:58	0.012	0.013	0.014	0.014	0.015
21	05/07/2013	09:48:58	0.012	0.013	0.013	0.015	0.015
22	05/07/2013	09:53:58	0.012	0.013	0.013	0.014	0.014
23	05/07/2013	09:58:58	0.012	0.013	0.013	0.014	0.014
24	05/07/2013	10:03:58	0.011	0.012	0.012	0.013	0.014
25	05/07/2013	10:08:58	0.012	0.013	0.013	0.014	0.014
26	05/07/2013	10:13:58	0.011	0.012	0.012	0.013	0.013
27	05/07/2013	10:18:58	0.012	0.012	0.013	0.014	0.014
28	05/07/2013	10:23:58	0.012	0.012	0.013	0.013	0.013
29	05/07/2013	10:28:58	0.011	0.011	0.012	0.012	0.012
30	05/07/2013	10:33:58	0.011	0.012	0.012	0.013	0.013
31	05/07/2013	10:38:58	0.012	0.012	0.013	0.013	0.013
32	05/07/2013	10:43:58	0.012	0.012	0.013	0.013	0.013
33	05/07/2013	10:48:58	0.013	0.013	0.014	0.014	0.014
34	05/07/2013	10:53:58	0.013	0.014	0.014	0.015	0.015
35	05/07/2013	10:58:58	0.013	0.014	0.014	0.015	0.015
36	05/07/2013	11:03:58	0.013	0.014	0.014	0.014	0.014
37	05/07/2013	11:08:58	0.013	0.014	0.014	0.015	0.015
38	05/07/2013	11:13:58	0.014	0.015	0.015	0.016	0.016
39	05/07/2013	11:18:58	0.014	0.014	0.014	0.015	0.015
40	05/07/2013	11:23:58	0.013	0.014	0.014	0.015	0.015
41	05/07/2013	11:28:58	0.013	0.014	0.014	0.015	0.015
42	05/07/2013	11:33:58	0.013	0.014	0.014	0.015	0.015
43	05/07/2013	11:38:58	0.013	0.014	0.014	0.015	0.015

Test Data							
Data Point	Date	Time	PM1 mg/m ³	PM2.5 mg/m ³	RESP mg/m ³	PM10 mg/m ³	TOTAL mg/m ³
44	05/07/2013	11:43:58	0.013	0.014	0.014	0.014	0.015
45	05/07/2013	11:48:58	0.013	0.014	0.014	0.014	0.014
46	05/07/2013	11:53:58	0.013	0.013	0.014	0.015	0.015
47	05/07/2013	11:58:58	0.013	0.013	0.013	0.014	0.014
48	05/07/2013	12:03:58	0.012	0.013	0.013	0.014	0.014
49	05/07/2013	12:08:58	0.013	0.013	0.013	0.014	0.014
50	05/07/2013	12:13:58	0.014	0.014	0.014	0.015	0.015
51	05/07/2013	12:18:58	0.013	0.014	0.014	0.015	0.015

Test 013

Instrument		Data Properties	
Model	DustTrak DRX	Start Date	05/07/2013
Instrument S/N	8533113005	Start Time	12:23:55
		Stop Date	05/07/2013
		Stop Time	13:53:55
		Total Time	0:01:30:00
		Logging Interval	300 seconds

Test Data							
Data Point	Date	Time	PM1 mg/m ³	PM2.5 mg/m ³	RESP mg/m ³	PM10 mg/m ³	TOTAL mg/m ³
1	05/07/2013	12:28:55	0.013	0.013	0.014	0.014	0.014
2	05/07/2013	12:33:55	0.014	0.014	0.015	0.016	0.016
3	05/07/2013	12:38:55	0.013	0.014	0.014	0.015	0.015
4	05/07/2013	12:43:55	0.013	0.013	0.014	0.014	0.014
5	05/07/2013	12:48:55	0.013	0.014	0.014	0.015	0.015
6	05/07/2013	12:53:55	0.014	0.014	0.014	0.015	0.015
7	05/07/2013	12:58:55	0.014	0.015	0.015	0.016	0.016
8	05/07/2013	13:03:55	0.014	0.014	0.014	0.015	0.015
9	05/07/2013	13:08:55	0.014	0.014	0.014	0.015	0.015
10	05/07/2013	13:13:55	0.014	0.014	0.014	0.015	0.015
11	05/07/2013	13:18:55	0.013	0.014	0.014	0.015	0.015
12	05/07/2013	13:23:55	0.014	0.014	0.014	0.015	0.015
13	05/07/2013	13:28:55	0.014	0.014	0.015	0.015	0.015
14	05/07/2013	13:33:55	0.014	0.014	0.015	0.015	0.015
15	05/07/2013	13:38:55	0.014	0.015	0.015	0.016	0.016
16	05/07/2013	13:43:55	0.014	0.014	0.015	0.016	0.016
17	05/07/2013	13:48:55	0.015	0.015	0.016	0.016	0.016
18	05/07/2013	13:53:55	0.018	0.019	0.020	0.026	0.030

Test 014

Instrument		Data Properties	
Model	DustTrak DRX	Start Date	05/07/2013
Instrument S/N	8533113005	Start Time	13:58:29
		Stop Date	05/07/2013
		Stop Time	15:53:29
		Total Time	0:01:55:00
		Logging Interval	300 seconds

Test Data							
Data Point	Date	Time	PM1 mg/m ³	PM2.5 mg/m ³	RESP mg/m ³	PM10 mg/m ³	TOTAL mg/m ³
1	05/07/2013	14:03:29	0.014	0.014	0.015	0.016	0.016
2	05/07/2013	14:08:29	0.013	0.014	0.014	0.015	0.015
3	05/07/2013	14:13:29	0.013	0.014	0.014	0.015	0.015
4	05/07/2013	14:18:29	0.014	0.014	0.014	0.015	0.015
5	05/07/2013	14:23:29	0.014	0.014	0.015	0.016	0.016
6	05/07/2013	14:28:29	0.014	0.014	0.014	0.015	0.015
7	05/07/2013	14:33:29	0.014	0.014	0.014	0.016	0.016
8	05/07/2013	14:38:29	0.017	0.017	0.017	0.018	0.018
9	05/07/2013	14:43:29	0.016	0.016	0.016	0.017	0.017
10	05/07/2013	14:48:29	0.014	0.015	0.015	0.016	0.016
11	05/07/2013	14:53:29	0.013	0.014	0.014	0.015	0.015
12	05/07/2013	14:58:29	0.014	0.014	0.014	0.015	0.015
13	05/07/2013	15:03:29	0.013	0.013	0.013	0.014	0.014
14	05/07/2013	15:08:29	0.013	0.013	0.014	0.014	0.015
15	05/07/2013	15:13:29	0.013	0.013	0.014	0.014	0.014
16	05/07/2013	15:18:29	0.013	0.013	0.013	0.014	0.014
17	05/07/2013	15:23:29	0.013	0.013	0.013	0.014	0.014
18	05/07/2013	15:28:29	0.013	0.013	0.014	0.014	0.014
19	05/07/2013	15:33:29	0.012	0.013	0.013	0.013	0.014
20	05/07/2013	15:38:29	0.012	0.013	0.013	0.014	0.014
21	05/07/2013	15:43:29	0.012	0.013	0.013	0.014	0.014
22	05/07/2013	15:48:29	0.012	0.013	0.013	0.014	0.014
23	05/07/2013	15:53:29	0.012	0.013	0.013	0.014	0.014

Test 015

Instrument		Data Properties	
Model	DustTrak DRX	Start Date	05/08/2013
Instrument S/N	8533113005	Start Time	07:58:13
		Stop Date	05/08/2013
		Stop Time	15:33:13
		Total Time	0:07:35:00
		Logging Interval	300 seconds

Test Data							
Data Point	Date	Time	PM1 mg/m ³	PM2.5 mg/m ³	RESP mg/m ³	PM10 mg/m ³	TOTAL mg/m ³
1	05/08/2013	08:03:13	0.011	0.012	0.013	0.015	0.015
2	05/08/2013	08:08:13	0.010	0.011	0.012	0.014	0.014
3	05/08/2013	08:13:13	0.011	0.011	0.012	0.014	0.014
4	05/08/2013	08:18:13	0.011	0.012	0.013	0.015	0.015
5	05/08/2013	08:23:13	0.015	0.016	0.017	0.020	0.020
6	05/08/2013	08:28:13	0.011	0.012	0.013	0.016	0.016
7	05/08/2013	08:33:13	0.012	0.013	0.014	0.016	0.016
8	05/08/2013	08:38:13	0.012	0.013	0.014	0.017	0.017
9	05/08/2013	08:43:13	0.012	0.012	0.014	0.016	0.016
10	05/08/2013	08:48:13	0.012	0.013	0.014	0.016	0.017
11	05/08/2013	08:53:13	0.015	0.016	0.017	0.020	0.020
12	05/08/2013	08:58:13	0.012	0.013	0.015	0.017	0.017
13	05/08/2013	09:03:13	0.010	0.011	0.012	0.014	0.014
14	05/08/2013	09:08:13	0.013	0.014	0.015	0.017	0.017
15	05/08/2013	09:13:13	0.011	0.012	0.013	0.016	0.016
16	05/08/2013	09:18:13	0.010	0.011	0.012	0.013	0.014
17	05/08/2013	09:23:13	0.009	0.010	0.011	0.012	0.012
18	05/08/2013	09:28:13	0.008	0.009	0.010	0.011	0.011
19	05/08/2013	09:33:13	0.009	0.010	0.010	0.012	0.012
20	05/08/2013	09:38:13	0.009	0.010	0.010	0.011	0.011
21	05/08/2013	09:43:13	0.009	0.009	0.010	0.011	0.011
22	05/08/2013	09:48:13	0.009	0.010	0.010	0.011	0.011
23	05/08/2013	09:53:13	0.009	0.010	0.010	0.011	0.011
24	05/08/2013	09:58:13	0.009	0.010	0.010	0.011	0.011
25	05/08/2013	10:03:13	0.010	0.011	0.011	0.012	0.012
26	05/08/2013	10:08:13	0.010	0.010	0.011	0.012	0.012
27	05/08/2013	10:13:13	0.009	0.010	0.011	0.012	0.012
28	05/08/2013	10:18:13	0.010	0.011	0.011	0.012	0.012
29	05/08/2013	10:23:13	0.010	0.011	0.011	0.012	0.013
30	05/08/2013	10:28:13	0.010	0.011	0.012	0.013	0.013
31	05/08/2013	10:33:13	0.011	0.012	0.012	0.014	0.014
32	05/08/2013	10:38:13	0.011	0.012	0.012	0.014	0.014
33	05/08/2013	10:43:13	0.011	0.011	0.012	0.013	0.013
34	05/08/2013	10:48:13	0.011	0.011	0.012	0.013	0.013
35	05/08/2013	10:53:13	0.010	0.011	0.011	0.012	0.012
36	05/08/2013	10:58:13	0.009	0.010	0.010	0.011	0.011
37	05/08/2013	11:03:13	0.008	0.008	0.009	0.009	0.009
38	05/08/2013	11:08:13	0.007	0.007	0.008	0.008	0.008
39	05/08/2013	11:13:13	0.007	0.007	0.008	0.008	0.008
40	05/08/2013	11:18:13	0.007	0.008	0.008	0.008	0.008
41	05/08/2013	11:23:13	0.008	0.008	0.008	0.009	0.009
42	05/08/2013	11:28:13	0.007	0.008	0.008	0.008	0.008
43	05/08/2013	11:33:13	0.007	0.008	0.008	0.008	0.008

Test Data							
Data Point	Date	Time	PM1 mg/m^3	PM2.5 mg/m^3	RESP mg/m^3	PM10 mg/m^3	TOTAL mg/m^3
44	05/08/2013	11:38:13	0.007	0.008	0.008	0.008	0.008
45	05/08/2013	11:43:13	0.007	0.008	0.008	0.008	0.009
46	05/08/2013	11:48:13	0.007	0.008	0.008	0.008	0.009
47	05/08/2013	11:53:13	0.007	0.008	0.008	0.008	0.008
48	05/08/2013	11:58:13	0.008	0.008	0.008	0.009	0.009
49	05/08/2013	12:03:13	0.008	0.008	0.008	0.009	0.010
50	05/08/2013	12:08:13	0.008	0.008	0.008	0.009	0.009
51	05/08/2013	12:13:13	0.008	0.008	0.008	0.009	0.009
52	05/08/2013	12:18:13	0.007	0.008	0.008	0.008	0.008
53	05/08/2013	12:23:13	0.008	0.008	0.008	0.009	0.009
54	05/08/2013	12:28:13	0.008	0.008	0.009	0.009	0.009
55	05/08/2013	12:33:13	0.008	0.009	0.009	0.009	0.009
56	05/08/2013	12:38:13	0.008	0.008	0.009	0.009	0.009
57	05/08/2013	12:43:13	0.008	0.009	0.009	0.009	0.009
58	05/08/2013	12:48:13	0.008	0.009	0.009	0.009	0.009
59	05/08/2013	12:53:13	0.008	0.009	0.009	0.009	0.009
60	05/08/2013	12:58:13	0.008	0.009	0.009	0.010	0.010
61	05/08/2013	13:03:13	0.009	0.009	0.009	0.010	0.010
62	05/08/2013	13:08:13	0.009	0.009	0.010	0.010	0.010
63	05/08/2013	13:13:13	0.009	0.009	0.010	0.010	0.010
64	05/08/2013	13:18:13	0.009	0.009	0.010	0.010	0.010
65	05/08/2013	13:23:13	0.008	0.009	0.009	0.009	0.009
66	05/08/2013	13:28:13	0.008	0.009	0.009	0.009	0.009
67	05/08/2013	13:33:13	0.008	0.009	0.009	0.009	0.009
68	05/08/2013	13:38:13	0.008	0.009	0.009	0.010	0.010
69	05/08/2013	13:43:13	0.008	0.009	0.009	0.010	0.010
70	05/08/2013	13:48:13	0.009	0.009	0.010	0.010	0.010
71	05/08/2013	13:53:13	0.009	0.009	0.010	0.010	0.010
72	05/08/2013	13:58:13	0.008	0.009	0.009	0.010	0.010
73	05/08/2013	14:03:13	0.008	0.008	0.009	0.009	0.009
74	05/08/2013	14:08:13	0.007	0.008	0.008	0.008	0.008
75	05/08/2013	14:13:13	0.007	0.008	0.008	0.009	0.009
76	05/08/2013	14:18:13	0.007	0.008	0.008	0.008	0.008
77	05/08/2013	14:23:13	0.007	0.008	0.008	0.008	0.008
78	05/08/2013	14:28:13	0.007	0.008	0.008	0.008	0.008
79	05/08/2013	14:33:13	0.007	0.008	0.008	0.008	0.008
80	05/08/2013	14:38:13	0.007	0.008	0.008	0.008	0.009
81	05/08/2013	14:43:13	0.007	0.008	0.008	0.008	0.008
82	05/08/2013	14:48:13	0.008	0.008	0.009	0.009	0.009
83	05/08/2013	14:53:13	0.008	0.009	0.009	0.009	0.009
84	05/08/2013	14:58:13	0.008	0.008	0.009	0.009	0.009
85	05/08/2013	15:03:13	0.008	0.008	0.009	0.009	0.009
86	05/08/2013	15:08:13	0.008	0.009	0.009	0.009	0.009
87	05/08/2013	15:13:13	0.008	0.009	0.009	0.009	0.009
88	05/08/2013	15:18:13	0.009	0.009	0.010	0.010	0.010
89	05/08/2013	15:23:13	0.009	0.010	0.010	0.011	0.011
90	05/08/2013	15:28:13	0.009	0.010	0.010	0.010	0.010
91	05/08/2013	15:33:13	0.009	0.010	0.010	0.010	0.010

Test 016

Instrument		Data Properties	
Model	DustTrak DRX	Start Date	05/10/2013
Instrument S/N	8533113005	Start Time	08:03:49
		Stop Date	05/10/2013
		Stop Time	15:48:49
		Total Time	0:07:45:00
		Logging Interval	300 seconds

Test Data							
Data Point	Date	Time	PM1 mg/m ³	PM2.5 mg/m ³	RESP mg/m ³	PM10 mg/m ³	TOTAL mg/m ³
1	05/10/2013	08:08:49	0.029	0.029	0.030	0.031	0.031
2	05/10/2013	08:13:49	0.026	0.027	0.027	0.027	0.027
3	05/10/2013	08:18:49	0.024	0.025	0.025	0.025	0.025
4	05/10/2013	08:23:49	0.023	0.023	0.024	0.024	0.024
5	05/10/2013	08:28:49	0.022	0.022	0.022	0.022	0.022
6	05/10/2013	08:33:49	0.021	0.021	0.021	0.022	0.022
7	05/10/2013	08:38:49	0.019	0.019	0.020	0.020	0.020
8	05/10/2013	08:43:49	0.018	0.018	0.018	0.018	0.019
9	05/10/2013	08:48:49	0.016	0.016	0.016	0.017	0.017
10	05/10/2013	08:53:49	0.014	0.014	0.015	0.015	0.015
11	05/10/2013	08:58:49	0.013	0.013	0.013	0.014	0.014
12	05/10/2013	09:03:49	0.011	0.011	0.012	0.012	0.012
13	05/10/2013	09:08:49	0.012	0.012	0.012	0.012	0.012
14	05/10/2013	09:13:49	0.014	0.014	0.014	0.014	0.014
15	05/10/2013	09:18:49	0.013	0.013	0.013	0.013	0.013
16	05/10/2013	09:23:49	0.013	0.013	0.014	0.014	0.014
17	05/10/2013	09:28:49	0.011	0.011	0.011	0.012	0.012
18	05/10/2013	09:33:49	0.011	0.011	0.011	0.011	0.011
19	05/10/2013	09:38:49	0.011	0.011	0.011	0.011	0.011
20	05/10/2013	09:43:49	0.011	0.012	0.012	0.012	0.012
21	05/10/2013	09:48:49	0.012	0.012	0.012	0.013	0.013
22	05/10/2013	09:53:49	0.011	0.012	0.012	0.012	0.012
23	05/10/2013	09:58:49	0.012	0.012	0.012	0.013	0.013
24	05/10/2013	10:03:49	0.011	0.012	0.012	0.012	0.012
25	05/10/2013	10:08:49	0.012	0.012	0.012	0.013	0.013
26	05/10/2013	10:13:49	0.011	0.011	0.011	0.012	0.012
27	05/10/2013	10:18:49	0.011	0.011	0.011	0.012	0.012
28	05/10/2013	10:23:49	0.011	0.011	0.011	0.012	0.012
29	05/10/2013	10:28:49	0.011	0.011	0.011	0.012	0.012
30	05/10/2013	10:33:49	0.012	0.012	0.012	0.013	0.013
31	05/10/2013	10:38:49	0.012	0.012	0.013	0.013	0.013
32	05/10/2013	10:43:49	0.011	0.011	0.011	0.012	0.012
33	05/10/2013	10:48:49	0.011	0.011	0.012	0.012	0.012
34	05/10/2013	10:53:49	0.011	0.011	0.011	0.012	0.012
35	05/10/2013	10:58:49	0.011	0.011	0.011	0.012	0.012
36	05/10/2013	11:03:49	0.011	0.011	0.012	0.012	0.012
37	05/10/2013	11:08:49	0.010	0.010	0.010	0.011	0.011
38	05/10/2013	11:13:49	0.010	0.010	0.010	0.011	0.011
39	05/10/2013	11:18:49	0.009	0.010	0.010	0.010	0.010
40	05/10/2013	11:23:49	0.009	0.009	0.009	0.009	0.010
41	05/10/2013	11:28:49	0.008	0.008	0.009	0.009	0.009
42	05/10/2013	11:33:49	0.008	0.008	0.008	0.009	0.009
43	05/10/2013	11:38:49	0.008	0.008	0.008	0.009	0.009

Test Data							
Data Point	Date	Time	PM1 mg/m^3	PM2.5 mg/m^3	RESP mg/m^3	PM10 mg/m^3	TOTAL mg/m^3
44	05/10/2013	11:43:49	0.008	0.009	0.009	0.009	0.009
45	05/10/2013	11:48:49	0.008	0.009	0.009	0.009	0.009
46	05/10/2013	11:53:49	0.008	0.008	0.008	0.009	0.009
47	05/10/2013	11:58:49	0.008	0.008	0.008	0.008	0.008
48	05/10/2013	12:03:49	0.007	0.008	0.008	0.008	0.008
49	05/10/2013	12:08:49	0.007	0.007	0.007	0.007	0.007
50	05/10/2013	12:13:49	0.006	0.006	0.006	0.007	0.007
51	05/10/2013	12:18:49	0.007	0.007	0.007	0.007	0.007
52	05/10/2013	12:23:49	0.007	0.008	0.008	0.008	0.008
53	05/10/2013	12:28:49	0.007	0.007	0.007	0.007	0.008
54	05/10/2013	12:33:49	0.006	0.007	0.007	0.007	0.007
55	05/10/2013	12:38:49	0.006	0.006	0.006	0.006	0.006
56	05/10/2013	12:43:49	0.007	0.007	0.007	0.007	0.007
57	05/10/2013	12:48:49	0.007	0.007	0.008	0.008	0.008
58	05/10/2013	12:53:49	0.008	0.008	0.008	0.008	0.008
59	05/10/2013	12:58:49	0.008	0.008	0.009	0.009	0.009
60	05/10/2013	13:03:49	0.009	0.009	0.009	0.009	0.009
61	05/10/2013	13:08:49	0.009	0.010	0.010	0.010	0.010
62	05/10/2013	13:13:49	0.010	0.010	0.010	0.010	0.011
63	05/10/2013	13:18:49	0.010	0.010	0.010	0.011	0.011
64	05/10/2013	13:23:49	0.010	0.010	0.010	0.011	0.011
65	05/10/2013	13:28:49	0.010	0.010	0.010	0.011	0.011
66	05/10/2013	13:33:49	0.010	0.010	0.010	0.010	0.011
67	05/10/2013	13:38:49	0.010	0.010	0.010	0.010	0.010
68	05/10/2013	13:43:49	0.021	0.022	0.026	0.039	0.040
69	05/10/2013	13:48:49	0.010	0.011	0.011	0.013	0.013
70	05/10/2013	13:53:49	0.010	0.011	0.011	0.012	0.012
71	05/10/2013	13:58:49	0.009	0.009	0.009	0.010	0.010
72	05/10/2013	14:03:49	0.009	0.009	0.009	0.010	0.010
73	05/10/2013	14:08:49	0.009	0.009	0.010	0.010	0.010
74	05/10/2013	14:13:49	0.009	0.009	0.009	0.009	0.009
75	05/10/2013	14:18:49	0.009	0.009	0.009	0.009	0.009
76	05/10/2013	14:23:49	0.009	0.009	0.009	0.009	0.009
77	05/10/2013	14:28:49	0.009	0.009	0.009	0.009	0.009
78	05/10/2013	14:33:49	0.009	0.009	0.009	0.009	0.009
79	05/10/2013	14:38:49	0.009	0.009	0.009	0.009	0.009
80	05/10/2013	14:43:49	0.009	0.009	0.009	0.009	0.009
81	05/10/2013	14:48:49	0.009	0.009	0.009	0.009	0.009
82	05/10/2013	14:53:49	0.009	0.009	0.009	0.009	0.010
83	05/10/2013	14:58:49	0.009	0.009	0.009	0.010	0.010
84	05/10/2013	15:03:49	0.009	0.010	0.010	0.010	0.010
85	05/10/2013	15:08:49	0.009	0.009	0.010	0.010	0.010
86	05/10/2013	15:13:49	0.009	0.009	0.009	0.009	0.009
87	05/10/2013	15:18:49	0.009	0.009	0.010	0.010	0.010
88	05/10/2013	15:23:49	0.009	0.009	0.009	0.009	0.009
89	05/10/2013	15:28:49	0.009	0.009	0.009	0.009	0.010
90	05/10/2013	15:33:49	0.009	0.009	0.009	0.009	0.009
91	05/10/2013	15:38:49	0.009	0.009	0.009	0.010	0.010
92	05/10/2013	15:43:49	0.009	0.009	0.009	0.009	0.009
93	05/10/2013	15:48:49	0.009	0.009	0.009	0.009	0.009

Test 001

Instrument		Data Properties	
Model	DustTrak DRX	Start Date	05/06/2013
Instrument S/N	8533102102	Start Time	08:42:39
		Stop Date	05/06/2013
		Stop Time	15:52:39
		Total Time	0:07:10:00
		Logging Interval	300 seconds

Test Data							
Data Point	Date	Time	PM1 mg/m ³	PM2.5 mg/m ³	RESP mg/m ³	PM10 mg/m ³	TOTAL mg/m ³
1	05/06/2013	08:47:39	0.014	0.015	0.015	0.016	0.017
2	05/06/2013	08:52:39	0.013	0.014	0.014	0.015	0.015
3	05/06/2013	08:57:39	0.013	0.014	0.014	0.014	0.015
4	05/06/2013	09:02:39	0.013	0.013	0.014	0.014	0.015
5	05/06/2013	09:07:39	0.012	0.013	0.013	0.013	0.014
6	05/06/2013	09:12:39	0.011	0.012	0.012	0.013	0.013
7	05/06/2013	09:17:39	0.011	0.012	0.012	0.012	0.013
8	05/06/2013	09:22:39	0.011	0.011	0.012	0.012	0.012
9	05/06/2013	09:27:39	0.010	0.010	0.011	0.011	0.011
10	05/06/2013	09:32:39	0.009	0.010	0.010	0.011	0.011
11	05/06/2013	09:37:39	0.009	0.009	0.010	0.010	0.011
12	05/06/2013	09:42:39	0.008	0.009	0.009	0.010	0.010
13	05/06/2013	09:47:39	0.008	0.009	0.009	0.010	0.010
14	05/06/2013	09:52:39	0.008	0.008	0.009	0.009	0.010
15	05/06/2013	09:57:39	0.007	0.008	0.008	0.009	0.009
16	05/06/2013	10:02:39	0.007	0.008	0.008	0.009	0.009
17	05/06/2013	10:07:39	0.007	0.008	0.008	0.008	0.009
18	05/06/2013	10:12:39	0.007	0.007	0.007	0.008	0.008
19	05/06/2013	10:17:39	0.006	0.007	0.007	0.008	0.008
20	05/06/2013	10:22:39	0.006	0.007	0.007	0.008	0.008
21	05/06/2013	10:27:39	0.007	0.007	0.008	0.008	0.009
22	05/06/2013	10:32:39	0.006	0.007	0.007	0.007	0.008
23	05/06/2013	10:37:39	0.006	0.007	0.007	0.007	0.008
24	05/06/2013	10:42:39	0.006	0.007	0.007	0.008	0.008
25	05/06/2013	10:47:39	0.007	0.008	0.008	0.009	0.010
26	05/06/2013	10:52:39	0.007	0.008	0.009	0.009	0.010
27	05/06/2013	10:57:39	0.007	0.008	0.008	0.009	0.010
28	05/06/2013	11:02:39	0.008	0.008	0.008	0.009	0.010
29	05/06/2013	11:07:39	0.007	0.008	0.008	0.009	0.009
30	05/06/2013	11:12:39	0.008	0.008	0.009	0.010	0.010
31	05/06/2013	11:17:39	0.008	0.008	0.009	0.010	0.011
32	05/06/2013	11:22:39	0.008	0.009	0.009	0.010	0.011
33	05/06/2013	11:27:39	0.008	0.009	0.009	0.010	0.011
34	05/06/2013	11:32:39	0.008	0.009	0.009	0.011	0.011
35	05/06/2013	11:37:39	0.008	0.009	0.009	0.010	0.011
36	05/06/2013	11:42:39	0.008	0.009	0.009	0.010	0.011
37	05/06/2013	11:47:39	0.008	0.009	0.009	0.010	0.011
38	05/06/2013	11:52:39	0.008	0.009	0.009	0.011	0.012
39	05/06/2013	11:57:39	0.008	0.008	0.008	0.009	0.010
40	05/06/2013	12:02:39	0.008	0.009	0.009	0.010	0.011
41	05/06/2013	12:07:39	0.008	0.008	0.009	0.009	0.010
42	05/06/2013	12:12:39	0.007	0.008	0.008	0.009	0.010
43	05/06/2013	12:17:39	0.008	0.008	0.008	0.010	0.010

Test Data							
Data Point	Date	Time	PM1 mg/m ³	PM2.5 mg/m ³	RESP mg/m ³	PM10 mg/m ³	TOTAL mg/m ³
44	05/06/2013	12:22:39	0.007	0.008	0.008	0.010	0.010
45	05/06/2013	12:27:39	0.007	0.008	0.008	0.009	0.010
46	05/06/2013	12:32:39	0.007	0.007	0.008	0.008	0.009
47	05/06/2013	12:37:39	0.007	0.008	0.008	0.009	0.010
48	05/06/2013	12:42:39	0.007	0.007	0.007	0.009	0.009
49	05/06/2013	12:47:39	0.007	0.007	0.007	0.008	0.009
50	05/06/2013	12:52:39	0.008	0.009	0.009	0.012	0.013
51	05/06/2013	12:57:39	0.006	0.006	0.007	0.008	0.008
52	05/06/2013	13:02:39	0.006	0.006	0.007	0.008	0.008
53	05/06/2013	13:07:39	0.006	0.006	0.007	0.007	0.008
54	05/06/2013	13:12:39	0.005	0.006	0.006	0.007	0.007
55	05/06/2013	13:17:39	0.005	0.005	0.006	0.007	0.007
56	05/06/2013	13:22:39	0.005	0.005	0.005	0.006	0.006
57	05/06/2013	13:27:39	0.005	0.005	0.005	0.006	0.007
58	05/06/2013	13:32:39	0.004	0.005	0.005	0.006	0.006
59	05/06/2013	13:37:39	0.004	0.004	0.004	0.005	0.005
60	05/06/2013	13:42:39	0.004	0.004	0.004	0.005	0.006
61	05/06/2013	13:47:39	0.003	0.004	0.004	0.005	0.005
62	05/06/2013	13:52:39	0.004	0.004	0.004	0.005	0.005
63	05/06/2013	13:57:39	0.003	0.004	0.004	0.005	0.005
64	05/06/2013	14:02:39	0.003	0.003	0.004	0.004	0.005
65	05/06/2013	14:07:39	0.003	0.004	0.004	0.004	0.005
66	05/06/2013	14:12:39	0.003	0.004	0.004	0.005	0.005
67	05/06/2013	14:17:39	0.003	0.004	0.004	0.005	0.005
68	05/06/2013	14:22:39	0.003	0.004	0.004	0.005	0.005
69	05/06/2013	14:27:39	0.006	0.006	0.007	0.008	0.011
70	05/06/2013	14:32:39	0.004	0.004	0.005	0.005	0.006
71	05/06/2013	14:37:39	0.004	0.005	0.005	0.006	0.006
72	05/06/2013	14:42:39	0.004	0.004	0.004	0.005	0.005
73	05/06/2013	14:47:39	0.003	0.004	0.004	0.005	0.005
74	05/06/2013	14:52:39	0.004	0.004	0.004	0.005	0.005
75	05/06/2013	14:57:39	0.003	0.004	0.004	0.005	0.005
76	05/06/2013	15:02:39	0.004	0.004	0.004	0.005	0.006
77	05/06/2013	15:07:39	0.003	0.004	0.004	0.005	0.005
78	05/06/2013	15:12:39	0.004	0.004	0.005	0.005	0.005
79	05/06/2013	15:17:39	0.004	0.004	0.004	0.005	0.005
80	05/06/2013	15:22:39	0.003	0.004	0.004	0.005	0.005
81	05/06/2013	15:27:39	0.003	0.003	0.004	0.004	0.004
82	05/06/2013	15:32:39	0.003	0.003	0.004	0.004	0.004
83	05/06/2013	15:37:39	0.003	0.004	0.004	0.005	0.005
84	05/06/2013	15:42:39	0.003	0.004	0.004	0.005	0.005
85	05/06/2013	15:47:39	0.003	0.004	0.004	0.005	0.005
86	05/06/2013	15:52:39	0.003	0.004	0.004	0.005	0.005

Test 002

Instrument		Data Properties	
Model	DustTrak DRX	Start Date	05/07/2013
Instrument S/N	8533102102	Start Time	07:54:02
		Stop Date	05/07/2013
		Stop Time	15:24:02
		Total Time	0:07:30:00
		Logging Interval	300 seconds

Test Data							
Data Point	Date	Time	PM1 mg/m ³	PM2.5 mg/m ³	RESP mg/m ³	PM10 mg/m ³	TOTAL mg/m ³
1	05/07/2013	07:59:02	0.008	0.009	0.011	0.017	0.025
2	05/07/2013	08:04:02	0.006	0.007	0.009	0.013	0.015
3	05/07/2013	08:09:02	0.003	0.004	0.005	0.007	0.008
4	05/07/2013	08:14:02	0.002	0.003	0.004	0.005	0.006
5	05/07/2013	08:19:02	0.003	0.003	0.004	0.005	0.006
6	05/07/2013	08:24:02	0.002	0.003	0.003	0.004	0.005
7	05/07/2013	08:29:02	0.001	0.001	0.002	0.003	0.003
8	05/07/2013	08:34:02	0.001	0.001	0.001	0.003	0.003
9	05/07/2013	08:39:02	0.000	0.001	0.001	0.002	0.003
10	05/07/2013	08:44:02	0.001	0.002	0.002	0.003	0.005
11	05/07/2013	08:49:02	0.001	0.001	0.002	0.004	0.005
12	05/07/2013	08:54:02	0.000	0.001	0.001	0.003	0.004
13	05/07/2013	08:59:02	0.000	0.000	0.001	0.002	0.003
14	05/07/2013	09:04:02	0.001	0.001	0.001	0.002	0.004
15	05/07/2013	09:09:02	0.000	0.000	0.000	0.002	0.003
16	05/07/2013	09:14:02	0.000	0.000	0.000	0.002	0.002
17	05/07/2013	09:19:02	0.000	0.000	0.000	0.001	0.002
18	05/07/2013	09:24:02	0.000	0.000	0.000	0.001	0.001
19	05/07/2013	09:29:02	0.000	0.000	0.000	0.001	0.002
20	05/07/2013	09:34:02	0.000	0.000	0.000	0.001	0.002
21	05/07/2013	09:39:02	0.000	0.000	0.000	0.001	0.001
22	05/07/2013	09:44:02	0.000	0.000	0.000	0.001	0.002
23	05/07/2013	09:49:02	0.000	0.000	0.000	0.001	0.002
24	05/07/2013	09:54:02	0.000	0.000	0.000	0.001	0.002
25	05/07/2013	09:59:02	0.000	0.000	0.000	0.001	0.001
26	05/07/2013	10:04:02	0.000	0.000	0.000	0.001	0.001
27	05/07/2013	10:09:02	0.000	0.000	0.000	0.000	0.001
28	05/07/2013	10:14:02	0.000	0.000	0.000	0.000	0.000
29	05/07/2013	10:19:02	0.000	0.000	0.000	0.000	0.001
30	05/07/2013	10:24:02	0.000	0.000	0.000	0.000	0.001
31	05/07/2013	10:29:02	0.000	0.000	0.000	0.000	0.001
32	05/07/2013	10:34:02	0.000	0.000	0.000	0.000	0.000
33	05/07/2013	10:39:02	0.000	0.000	0.000	0.000	0.000
34	05/07/2013	10:44:02	0.000	0.000	0.000	0.000	0.001
35	05/07/2013	10:49:02	0.000	0.000	0.000	0.000	0.001
36	05/07/2013	10:54:02	0.000	0.000	0.000	0.000	0.001
37	05/07/2013	10:59:02	0.000	0.000	0.000	0.000	0.001
38	05/07/2013	11:04:02	0.000	0.000	0.000	0.000	0.001
39	05/07/2013	11:09:02	0.000	0.000	0.000	0.000	0.001
40	05/07/2013	11:14:02	0.000	0.000	0.000	0.000	0.001
41	05/07/2013	11:19:02	0.000	0.000	0.000	0.000	0.000
42	05/07/2013	11:24:02	0.000	0.000	0.000	0.000	0.001
43	05/07/2013	11:29:02	0.000	0.000	0.000	0.000	0.001

Test Data							
Data Point	Date	Time	PM1 mg/m^3	PM2.5 mg/m^3	RESP mg/m^3	PM10 mg/m^3	TOTAL mg/m^3
44	05/07/2013	11:34:02	0.000	0.000	0.000	0.000	0.001
45	05/07/2013	11:39:02	0.000	0.000	0.000	0.000	0.000
46	05/07/2013	11:44:02	0.000	0.000	0.000	0.000	0.001
47	05/07/2013	11:49:02	0.000	0.000	0.000	0.000	0.000
48	05/07/2013	11:54:02	0.000	0.000	0.000	0.000	0.000
49	05/07/2013	11:59:02	0.000	0.000	0.000	0.000	0.000
50	05/07/2013	12:04:02	0.000	0.000	0.000	0.000	0.000
51	05/07/2013	12:09:02	0.000	0.000	0.000	0.000	0.001
52	05/07/2013	12:14:02	0.000	0.000	0.000	0.000	0.000
53	05/07/2013	12:19:02	0.000	0.000	0.000	0.000	0.001
54	05/07/2013	12:24:02	0.000	0.000	0.000	0.000	0.000
55	05/07/2013	12:29:02	0.000	0.000	0.000	0.000	0.000
56	05/07/2013	12:34:02	0.000	0.000	0.000	0.000	0.001
57	05/07/2013	12:39:02	0.000	0.000	0.000	0.000	0.001
58	05/07/2013	12:44:02	0.000	0.000	0.000	0.000	0.001
59	05/07/2013	12:49:02	0.000	0.000	0.000	0.000	0.000
60	05/07/2013	12:54:02	0.000	0.000	0.000	0.000	0.000
61	05/07/2013	12:59:02	0.000	0.000	0.000	0.000	0.000
62	05/07/2013	13:04:02	0.000	0.000	0.000	0.000	0.001
63	05/07/2013	13:09:02	0.000	0.000	0.000	0.000	0.000
64	05/07/2013	13:14:02	0.000	0.000	0.000	0.000	0.001
65	05/07/2013	13:19:02	0.000	0.000	0.000	0.000	0.001
66	05/07/2013	13:24:02	0.000	0.000	0.000	0.000	0.000
67	05/07/2013	13:29:02	0.000	0.000	0.000	0.000	0.000
68	05/07/2013	13:34:02	0.000	0.000	0.000	0.000	0.000
69	05/07/2013	13:39:02	0.000	0.000	0.000	0.000	0.000
70	05/07/2013	13:44:02	0.000	0.000	0.000	0.000	0.000
71	05/07/2013	13:49:02	0.000	0.000	0.000	0.000	0.001
72	05/07/2013	13:54:02	0.000	0.000	0.000	0.000	0.001
73	05/07/2013	13:59:02	0.000	0.000	0.000	0.000	0.001
74	05/07/2013	14:04:02	0.000	0.000	0.000	0.000	0.000
75	05/07/2013	14:09:02	0.000	0.000	0.000	0.000	0.001
76	05/07/2013	14:14:02	0.000	0.000	0.000	0.000	0.001
77	05/07/2013	14:19:02	0.000	0.000	0.000	0.000	0.000
78	05/07/2013	14:24:02	0.000	0.000	0.000	0.000	0.001
79	05/07/2013	14:29:02	0.000	0.000	0.000	0.000	0.001
80	05/07/2013	14:34:02	0.000	0.000	0.000	0.000	0.000
81	05/07/2013	14:39:02	0.001	0.001	0.001	0.001	0.001
82	05/07/2013	14:44:02	0.001	0.001	0.001	0.001	0.001
83	05/07/2013	14:49:02	0.000	0.000	0.000	0.000	0.000
84	05/07/2013	14:54:02	0.000	0.000	0.000	0.000	0.000
85	05/07/2013	14:59:02	0.000	0.000	0.000	0.000	0.001
86	05/07/2013	15:04:02	0.000	0.000	0.000	0.000	0.000
87	05/07/2013	15:09:02	0.000	0.000	0.000	0.000	0.000
88	05/07/2013	15:14:02	0.000	0.000	0.000	0.000	0.001
89	05/07/2013	15:19:02	0.000	0.000	0.000	0.000	0.000
90	05/07/2013	15:24:02	0.000	0.000	0.000	0.000	0.000

Test 003

Instrument		Data Properties	
Model	DustTrak DRX	Start Date	05/08/2013
Instrument S/N	8533102102	Start Time	07:50:30
		Stop Date	05/08/2013
		Stop Time	15:35:30
		Total Time	0:07:45:00
		Logging Interval	300 seconds

Test Data							
Data Point	Date	Time	PM1 mg/m ³	PM2.5 mg/m ³	RESP mg/m ³	PM10 mg/m ³	TOTAL mg/m ³
1	05/08/2013	07:55:30	0.009	0.010	0.010	0.012	0.013
2	05/08/2013	08:00:30	0.012	0.013	0.015	0.020	0.022
3	05/08/2013	08:05:30	0.012	0.013	0.014	0.019	0.021
4	05/08/2013	08:10:30	0.012	0.013	0.014	0.017	0.018
5	05/08/2013	08:15:30	0.016	0.017	0.019	0.029	0.033
6	05/08/2013	08:20:30	0.012	0.013	0.014	0.017	0.019
7	05/08/2013	08:25:30	0.014	0.015	0.017	0.022	0.024
8	05/08/2013	08:30:30	0.013	0.013	0.015	0.018	0.021
9	05/08/2013	08:35:30	0.010	0.011	0.011	0.014	0.015
10	05/08/2013	08:40:30	0.011	0.012	0.012	0.015	0.017
11	05/08/2013	08:45:30	0.012	0.013	0.014	0.017	0.019
12	05/08/2013	08:50:30	0.014	0.015	0.016	0.019	0.021
13	05/08/2013	08:55:30	0.012	0.013	0.014	0.018	0.019
14	05/08/2013	09:00:30	0.010	0.011	0.011	0.013	0.015
15	05/08/2013	09:05:30	0.009	0.009	0.010	0.011	0.012
16	05/08/2013	09:10:30	0.020	0.022	0.026	0.046	0.054
17	05/08/2013	09:15:30	0.009	0.010	0.011	0.013	0.015
18	05/08/2013	09:20:30	0.008	0.009	0.009	0.011	0.013
19	05/08/2013	09:25:30	0.007	0.008	0.008	0.010	0.010
20	05/08/2013	09:30:30	0.007	0.008	0.008	0.010	0.011
21	05/08/2013	09:35:30	0.007	0.007	0.008	0.009	0.010
22	05/08/2013	09:40:30	0.006	0.007	0.007	0.009	0.009
23	05/08/2013	09:45:30	0.006	0.006	0.007	0.008	0.009
24	05/08/2013	09:50:30	0.006	0.006	0.007	0.008	0.009
25	05/08/2013	09:55:30	0.006	0.006	0.007	0.008	0.009
26	05/08/2013	10:00:30	0.006	0.007	0.007	0.009	0.010
27	05/08/2013	10:05:30	0.007	0.007	0.007	0.009	0.010
28	05/08/2013	10:10:30	0.006	0.007	0.007	0.009	0.010
29	05/08/2013	10:15:30	0.005	0.006	0.006	0.007	0.008
30	05/08/2013	10:20:30	0.006	0.006	0.007	0.008	0.009
31	05/08/2013	10:25:30	0.006	0.006	0.007	0.008	0.009
32	05/08/2013	10:30:30	0.006	0.006	0.006	0.008	0.009
33	05/08/2013	10:35:30	0.006	0.007	0.007	0.009	0.010
34	05/08/2013	10:40:30	0.006	0.007	0.007	0.008	0.010
35	05/08/2013	10:45:30	0.005	0.006	0.006	0.008	0.008
36	05/08/2013	10:50:30	0.006	0.007	0.007	0.008	0.009
37	05/08/2013	10:55:30	0.006	0.006	0.006	0.007	0.008
38	05/08/2013	11:00:30	0.005	0.005	0.006	0.007	0.008
39	05/08/2013	11:05:30	0.003	0.003	0.003	0.004	0.005
40	05/08/2013	11:10:30	0.002	0.002	0.003	0.003	0.003
41	05/08/2013	11:15:30	0.002	0.002	0.002	0.003	0.003
42	05/08/2013	11:20:30	0.002	0.002	0.002	0.003	0.003
43	05/08/2013	11:25:30	0.002	0.002	0.002	0.003	0.003

Test Data							
Data Point	Date	Time	PM1 mg/m ³	PM2.5 mg/m ³	RESP mg/m ³	PM10 mg/m ³	TOTAL mg/m ³
44	05/08/2013	11:30:30	0.002	0.002	0.002	0.003	0.003
45	05/08/2013	11:35:30	0.001	0.002	0.002	0.002	0.003
46	05/08/2013	11:40:30	0.002	0.002	0.002	0.002	0.003
47	05/08/2013	11:45:30	0.002	0.002	0.002	0.003	0.003
48	05/08/2013	11:50:30	0.001	0.002	0.002	0.003	0.003
49	05/08/2013	11:55:30	0.002	0.003	0.003	0.005	0.006
50	05/08/2013	12:00:30	0.004	0.004	0.005	0.008	0.009
51	05/08/2013	12:05:30	0.003	0.003	0.004	0.005	0.007
52	05/08/2013	12:10:30	0.002	0.002	0.002	0.003	0.003
53	05/08/2013	12:15:30	0.002	0.002	0.003	0.003	0.004
54	05/08/2013	12:20:30	0.002	0.002	0.003	0.003	0.003
55	05/08/2013	12:25:30	0.002	0.002	0.003	0.003	0.003
56	05/08/2013	12:30:30	0.002	0.003	0.003	0.003	0.004
57	05/08/2013	12:35:30	0.003	0.003	0.003	0.004	0.004
58	05/08/2013	12:40:30	0.003	0.004	0.004	0.005	0.006
59	05/08/2013	12:45:30	0.004	0.004	0.005	0.007	0.008
60	05/08/2013	12:50:30	0.002	0.003	0.003	0.004	0.004
61	05/08/2013	12:55:30	0.002	0.003	0.003	0.004	0.004
62	05/08/2013	13:00:30	0.002	0.003	0.003	0.003	0.004
63	05/08/2013	13:05:30	0.003	0.003	0.004	0.004	0.004
64	05/08/2013	13:10:30	0.003	0.003	0.004	0.004	0.004
65	05/08/2013	13:15:30	0.003	0.003	0.004	0.004	0.004
66	05/08/2013	13:20:30	0.003	0.003	0.004	0.004	0.004
67	05/08/2013	13:25:30	0.003	0.003	0.004	0.004	0.004
68	05/08/2013	13:30:30	0.003	0.004	0.004	0.004	0.005
69	05/08/2013	13:35:30	0.003	0.004	0.004	0.005	0.005
70	05/08/2013	13:40:30	0.003	0.004	0.004	0.005	0.005
71	05/08/2013	13:45:30	0.003	0.004	0.004	0.005	0.006
72	05/08/2013	13:50:30	0.003	0.004	0.004	0.005	0.005
73	05/08/2013	13:55:30	0.004	0.004	0.004	0.005	0.006
74	05/08/2013	14:00:30	0.003	0.004	0.004	0.005	0.005
75	05/08/2013	14:05:30	0.004	0.004	0.005	0.006	0.008
76	05/08/2013	14:10:30	0.003	0.004	0.004	0.005	0.006
77	05/08/2013	14:15:30	0.003	0.003	0.004	0.004	0.004
78	05/08/2013	14:20:30	0.003	0.003	0.003	0.004	0.004
79	05/08/2013	14:25:30	0.003	0.003	0.003	0.004	0.004
80	05/08/2013	14:30:30	0.003	0.003	0.004	0.004	0.004
81	05/08/2013	14:35:30	0.003	0.003	0.004	0.004	0.004
82	05/08/2013	14:40:30	0.003	0.003	0.004	0.004	0.004
83	05/08/2013	14:45:30	0.003	0.004	0.004	0.004	0.004
84	05/08/2013	14:50:30	0.003	0.004	0.004	0.004	0.004
85	05/08/2013	14:55:30	0.004	0.004	0.004	0.005	0.006
86	05/08/2013	15:00:30	0.026	0.030	0.037	0.069	0.081
87	05/08/2013	15:05:30	0.004	0.004	0.005	0.005	0.006
88	05/08/2013	15:10:30	0.004	0.005	0.005	0.006	0.007
89	05/08/2013	15:15:30	0.006	0.007	0.008	0.012	0.014
90	05/08/2013	15:20:30	0.007	0.007	0.008	0.012	0.014
91	05/08/2013	15:25:30	0.005	0.006	0.006	0.008	0.009
92	05/08/2013	15:30:30	0.005	0.006	0.007	0.009	0.010
93	05/08/2013	15:35:30	0.005	0.006	0.006	0.008	0.009

Test 004

ERROR: FLOW,

Instrument		Data Properties	
Model	DustTrak DRX	Start Date	05/10/2013
Instrument S/N	8533102102	Start Time	07:56:23
		Stop Date	05/10/2013
		Stop Time	14:56:23
		Total Time	0:07:00:00
		Logging Interval	300 seconds

Test Data							
Data Point	Date	Time	PM1 mg/m ³	PM2.5 mg/m ³	RESP mg/m ³	PM10 mg/m ³	TOTAL mg/m ³
1	05/10/2013	08:01:23	0.016	0.016	0.016	0.016	0.016
2	05/10/2013	08:06:23	0.016	0.016	0.017	0.017	0.017
3	05/10/2013	08:11:23	0.013	0.013	0.013	0.014	0.014
4	05/10/2013	08:16:23	0.012	0.012	0.012	0.012	0.012
5	05/10/2013	08:21:23	0.011	0.011	0.012	0.012	0.013
6	05/10/2013	08:26:23	0.011	0.011	0.011	0.011	0.011
7	05/10/2013	08:31:23	0.011	0.011	0.011	0.011	0.011
8	05/10/2013	08:36:23	0.010	0.010	0.010	0.010	0.010
9	05/10/2013	08:41:23	0.008	0.009	0.009	0.009	0.009
10	05/10/2013	08:46:23	0.008	0.008	0.008	0.008	0.008
11	05/10/2013	08:51:23	0.007	0.007	0.008	0.008	0.008
12	05/10/2013	08:56:23	0.006	0.006	0.006	0.006	0.006
13	05/10/2013	09:01:23	0.005	0.005	0.005	0.006	0.006
14	05/10/2013	09:06:23	0.006	0.006	0.006	0.006	0.006
15	05/10/2013	09:11:23	0.005	0.005	0.005	0.006	0.006
16	05/10/2013	09:16:23	0.005	0.005	0.006	0.006	0.006
17	05/10/2013	09:21:23	0.005	0.005	0.006	0.006	0.006
18	05/10/2013	09:26:23	0.004	0.004	0.004	0.004	0.005
19	05/10/2013	09:31:23	0.005	0.005	0.005	0.005	0.005
20	05/10/2013	09:36:23	0.004	0.004	0.004	0.004	0.004
21	05/10/2013	09:41:23	0.004	0.004	0.004	0.005	0.005
22	05/10/2013	09:46:23	0.004	0.004	0.005	0.005	0.005
23	05/10/2013	09:51:23	0.004	0.004	0.004	0.005	0.005
24	05/10/2013	09:56:23	0.004	0.005	0.005	0.005	0.005
25	05/10/2013	10:01:23	0.004	0.004	0.004	0.005	0.005
26	05/10/2013	10:06:23	0.004	0.004	0.004	0.005	0.005
27	05/10/2013	10:11:23	0.004	0.004	0.004	0.004	0.004
28	05/10/2013	10:16:23	0.004	0.004	0.004	0.005	0.005
29	05/10/2013	10:21:23	0.004	0.004	0.004	0.005	0.005
30	05/10/2013	10:26:23	0.004	0.004	0.004	0.005	0.005
31	05/10/2013	10:31:23	0.004	0.004	0.004	0.005	0.005
32	05/10/2013	10:36:23	0.004	0.004	0.004	0.005	0.005
33	05/10/2013	10:41:23	0.003	0.004	0.004	0.004	0.004
34	05/10/2013	10:46:23	0.003	0.004	0.004	0.004	0.004
35	05/10/2013	10:51:23	0.002	0.002	0.002	0.002	0.003
36	05/10/2013	10:56:23	0.002	0.002	0.002	0.003	0.003
37	05/10/2013	11:01:23	0.002	0.002	0.002	0.002	0.002
38	05/10/2013	11:06:23	0.001	0.001	0.001	0.002	0.002
39	05/10/2013	11:11:23	0.001	0.001	0.001	0.001	0.001
40	05/10/2013	11:16:23	0.001	0.001	0.002	0.002	0.002
41	05/10/2013	11:21:23	0.001	0.001	0.001	0.001	0.001
42	05/10/2013	11:26:23	0.001	0.001	0.001	0.001	0.001

Test Data							
Data Point	Date	Time	PM1 mg/m^3	PM2.5 mg/m^3	RESP mg/m^3	PM10 mg/m^3	TOTAL mg/m^3
43	05/10/2013	11:31:23	0.001	0.001	0.001	0.001	0.001
44	05/10/2013	11:36:23	0.001	0.001	0.001	0.001	0.001
45	05/10/2013	11:41:23	0.001	0.001	0.001	0.002	0.002
46	05/10/2013	11:46:23	0.001	0.001	0.001	0.001	0.002
47	05/10/2013	11:51:23	0.001	0.001	0.001	0.001	0.001
48	05/10/2013	11:56:23	0.001	0.001	0.001	0.001	0.001
49	05/10/2013	12:01:23	0.001	0.001	0.001	0.001	0.001
50	05/10/2013	12:06:23	0.000	0.000	0.000	0.001	0.001
51	05/10/2013	12:11:23	0.000	0.000	0.000	0.000	0.000
52	05/10/2013	12:16:23	0.000	0.000	0.000	0.000	0.000
53	05/10/2013	12:21:23	0.000	0.000	0.000	0.000	0.000
54	05/10/2013	12:26:23	0.000	0.000	0.000	0.000	0.000
55	05/10/2013	12:31:23	0.000	0.000	0.000	0.000	0.000
56	05/10/2013	12:36:23	0.002	0.002	0.002	0.003	0.003
57	05/10/2013	12:41:23	0.000	0.000	0.000	0.000	0.000
58	05/10/2013	12:46:23	0.000	0.000	0.000	0.000	0.000
59	05/10/2013	12:51:23	0.000	0.000	0.000	0.000	0.000
60	05/10/2013	12:56:23	0.000	0.000	0.000	0.000	0.001
61	05/10/2013	13:01:23	0.001	0.001	0.001	0.001	0.001
62	05/10/2013	13:06:23	0.001	0.001	0.001	0.001	0.001
63	05/10/2013	13:11:23	0.001	0.001	0.001	0.001	0.001
64	05/10/2013	13:16:23	0.001	0.001	0.001	0.002	0.002
65	05/10/2013	13:21:23	0.001	0.001	0.001	0.002	0.002
66	05/10/2013	13:26:23	0.001	0.001	0.001	0.002	0.002
67	05/10/2013	13:31:23	0.002	0.002	0.002	0.002	0.002
68	05/10/2013	13:36:23	0.001	0.001	0.001	0.002	0.002
69	05/10/2013	13:41:23	0.001	0.001	0.001	0.001	0.002
70	05/10/2013	13:46:23	0.001	0.001	0.001	0.002	0.002
71	05/10/2013	13:51:23	0.001	0.001	0.001	0.002	0.002
72	05/10/2013	13:56:23	0.001	0.001	0.001	0.001	0.001
73	05/10/2013	14:01:23	0.001	0.001	0.001	0.001	0.001
74	05/10/2013	14:06:23	0.001	0.001	0.001	0.001	0.001
75	05/10/2013	14:11:23	0.000	0.000	0.000	0.001	0.001
76	05/10/2013	14:16:23	0.000	0.000	0.000	0.001	0.001
77	05/10/2013	14:21:23	0.000	0.000	0.000	0.001	0.001
78	05/10/2013	14:26:23	0.000	0.000	0.000	0.001	0.001
79	05/10/2013	14:31:23	0.000	0.000	0.000	0.000	0.000
80	05/10/2013	14:36:23	0.000	0.000	0.000	0.001	0.001
81	05/10/2013	14:41:23	0.000	0.000	0.000	0.001	0.001
82	05/10/2013	14:46:23	0.000	0.000	0.000	0.000	0.001
83	05/10/2013	14:51:23	0.005	0.005	0.005	0.005	0.005
84	05/10/2013	14:56:23	0.002	0.002	0.002	0.002	0.002

APPENDIX C

Data Usability Summary Report (DUSR), July 17, 2013



Geology

Hydrology

Remediation

Water Supply

July 17, 2013

Mr. Richard S. Totino
Project Manager
TRC Environmental Corporation
10 Maxwell Drive, Suite 200
Clifton Park, New York 12065

Re: Data Validation Report
Chevron Troy Site
May 2013 Soil Sampling Event

Dear Mr. Totino:

The abbreviated data usability summary report (DUSR) and data validation summaries are attached to this letter for the Chevron Troy site, May 2013 sampling event. The data for TestAmerica Buffalo SDG number 480-37943-1 were acceptable, with minor issues that are identified in the DUSR and validation summaries. The data pack did not contain data that were unusable (R).

A list of data validation acronyms and qualifiers is attached to assist you in interpreting the data validation reviews. If you have any questions concerning the work performed, please contact me at (518) 348-6995. Thank you for providing us an opportunity with TRC Environmental Corporation.

Sincerely,
Alpha Geoscience

Donald Anné
Senior Chemist

DCA:dca
attachments

Z:\projects\2013\13600 - 13620\13613-Chevron\chevron-131.ltr.wpd

Data Validation Qualifiers Used in the QA/QC Reviews for USEPA Region II

- U = Not detected. The associated number indicates the approximate sample concentration necessary to be detected significantly greater than the level of the highest associated blank.
- R = Unreliable result; data is rejected or unusable. Analyte may or may not be present in the sample. Supporting data or information is necessary to confirm the result.
- N = Tentative identification. Analyte is considered present. Special methods may be needed to confirm its presence or absence during future sampling efforts.
- J = Analyte is present. Reported value may be associated with a higher level of uncertainty than is normally expected with the analytical method.
- UJ = Not detected, quantitation limit may be inaccurate or imprecise.

Note: These qualifiers are used for data validation purposes. The data validation qualifiers may differ from the qualifiers that the laboratory assigns to the data. Refer to the laboratory analytical report for the definitions of the laboratory qualifiers.

Data Validation Acronyms

AA	Atomic absorption, flame technique
BHC	Hexachlorocyclohexane
BFB	Bromofluorobenzene
CCB	Continuing calibration blank
CCC	Calibration check compound
CCV	Continuing calibration verification
CN	Cyanide
CRDL	Contract required detection limit
CRQL	Contract required quantitation limit
CVAA	Atomic adsorption, cold vapor technique
DCAA	2,4-Dichlophenylacetic acid
DCB	Decachlorobiphenyl
DFTPP	Decafluorotriphenyl phosphine
ECD	Electron capture detector
FAA	Atomic absorption, furnace technique
FID	Flame ionization detector
FNP	1-Fluoronaphthalene
GC	Gas chromatography
GC/MS	Gas chromatography/mass spectrometry
GPC	Gel permeation chromatography
ICB	Initial calibration blank
ICP	Inductively coupled plasma-atomic emission spectrometer
ICV	Initial calibration verification
IDL	Instrument detection limit
IS	Internal standard
LCS	Laboratory control sample
LCS/LCSD	Laboratory control sample/laboratory control sample duplicate
MSA	Method of standard additions
MS/MSD	Matrix spike/matrix spike duplicate
PID	Photo ionization detector
PCB	Polychlorinated biphenyl
PCDD	Polychlorinated dibenzodioxins
PCDF	Polychlorinated dibenzofurans
QA	Quality assurance
QC	Quality control
RF	Response factor
RPD	Relative percent difference
RRF	Relative response factor
RRF(number)	Relative response factor at concentration of the number following
RT	Retention time
RRT	Relative retention time
SDG	Sample delivery group
SPCC	System performance check compound
TCX	Tetrachloro-m-xylene
%D	Percent difference
%R	Percent recovery
%RSD	Percent relative standard deviation



Geology

Hydrology

Remediation

Water Supply

**Data Usability Summary Report for
TestAmerica Buffalo, Job No: 480-37943-1**

**33 Soil Samples and 1 Field Duplicate
Collected May 6-10, 2013**

**Prepared by: Donald Anné
July 17, 2013**

The data packages contain the documentation required by NYSDEC ASP. The proper chain of custody procedures were followed by the samplers. All information appeared legible and complete. The data pack contained the results for 13 soil samples and 1 field duplicate analyzed for volatiles, and 33 soil samples and 1 field duplicate analyzed semi-volatiles.

The overall performances of the analyses are acceptable. TestAmerica Buffalo did fulfill the requirements of the analytical methods.

The data are mostly acceptable with some issues that are identified in the accompanying data validation reviews. The following data were flagged:

- Positive volatile results for methylene chloride were flagged as “not detected” (U) for samples DPT-15 (10.0-11.0), DPT-16 (9.5-10.0), and DPT-24 (9.0-10.0) because the level reported in the samples were not significantly greater than (more than 10 times) the highest associated blank level.
- The semi-volatile results for naphthalene in samples DPT-16 (9.5-10.0) and DPT-18 (3.5-4.0) were quantitated using data that were extrapolated beyond the highest calibration standard and flagged “E” by the laboratory. The result for naphthalene marked “E” in the undiluted samples were qualified as estimated (J).
- The semi-volatile results for fluoranthene and phenanthrene in sample DPT-24 (9.0-10.0) were quantitated using data that were extrapolated beyond the highest calibration standard and flagged “E” by the laboratory. The result for fluoranthene and phenanthrene marked “E” in the undiluted sample were qualified as estimated (J).

- Positive semi-volatile results for benzo(g,h,i)perylene were flagged as “estimated” (J) in the following samples because the %D for benzo(g,h,i)perylene was above the allowable maximum in the associated continuing calibration.

DPT-21 (21.5-22.0)	DPT-15 (10.0-11.0)	DPT-15 (17.0-17.5)
DPT-16 (9.5-10.0)	DPT-17 (18.5-19.0)	DPT-18 (3.5-4.0)
DPT-19 (15.5-16.0)	DPT-23 (2.5-3.0)	DPT-24 (9.0-10.0)
DPT-25 (22.0-23.0)	DPT-26 (17.0-17.5)	DPT-29 (1.0-2.0)

All data are considered usable with estimated (J) data associated with a higher level of quantitative uncertainty. Detailed information on data quality is included in the data validation reviews.



Geology

Hydrology

Remediation

Water Supply

**QA/QC Review of Method 8260B Volatiles Data
for TestAmerica Buffalo, Job No: 480-37943-1**

**13 Soil Samples and 1 Field Duplicate
Collected May 6-10, 2013**

**Prepared by: Donald Anné
July 17, 2013**

Holding Times: Samples were analyzed within USEPA SW-846 holding times.

GC/MS Tuning and Mass Calibration: The BFB tuning criteria were within control limits.

Initial Calibration: The SPCCs and CCCs were within control limits for method 8260B.

The average RRFs for target compounds were above the allowable minimum (0.010) and the %RSDs were below the allowable maximum (30%), as required.

Continuing Calibration: The SPCCs and CCCs were within control limits for method 8260B.

The RRFs for target compounds were above the allowable minimum (0.010), as required.

The %Ds for bromomethane and chloroethane were above the allowable maximum (25%) on 05-11-13 (F7859.D). The %Ds for bromomethane and chloroethane were above the allowable maximum (25%) on 05-13-13 (F7883.D). The %Ds for bromomethane and chloroethane were above the allowable maximum (25%) on 05-14-13 (F7910.D). Positive results for these compounds should be considered estimated (J) in associated samples.

Blanks: Method blank MB 480-119364/2-A contained a trace of methylene chloride (24.2 ug/kg). Positive results for methylene chloride that are less than ten times the highest blank level should be reported as not detected (U) in associated samples.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for the soil samples.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences (RPDs) for spiked compounds were below the allowable maximum, but 20 of 26 percent recoveries (%Rs) were

below QC limits for soil MS/MSD sample DPT-10 (4.0-4.5). One of thirteen RPDs for spiked compounds was above the allowable maximum and 24 of 26 %Rs were below QC limits for soil MS/MSD sample SPT-29 (1.0-2.0). The RPDs for spiked compounds were below the allowable maximum, but 16 of 26 %Rs were below QC limits for batch soil MS/MSD sample 480-38156-D-10-B. No action is taken on MS/MSD data alone to qualify or reject an entire set of samples.

Laboratory Control Sample: The percent recoveries for spiked compounds were within QC limits for the following aqueous and soil samples.

LCS 480-117898/1-A	LCS 480-118093/4	LCS 480-118255/4
LCS 480-118414/4	LCS 480-119364/1-A	LCS 480-119655/6

Field Duplicates: The analyses of soil field duplicate pair DPT-29 (6.0-7.0)/FD051013 reported target compounds as either not detected or below the lowest standard; therefore, valid relative percent differences could not be calculated. The analyses for the field duplicate pair were acceptable.

Compound ID: Checked compounds and surrogates were within GC quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in the method.

APPENDIX D

Laboratory Data Packages (on Compact Disk)

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-37943-1

Client Project/Site: Troy Chevron Asphalt Terminal - 194098

For:

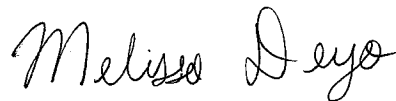
TRC Solutions, Inc.

10 Maxwell Drive

Suite 200

Clifton Park, New York 12065

Attn: Mr. Richard Totino



Authorized for release by:

5/28/2013 1:41:59 PM

Melissa Deyo, Project Manager I

melissa.deyo@testamericainc.com

LINKS

Review your project
results through

TotalAccess

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Visit us at:

www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: TRC Solutions, Inc.

Project/Site: Troy Chevron Asphalt Terminal - 194098

TestAmerica Job ID: 480-37943-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F	MS or MSD exceeds the control limits
B	Compound was found in the blank and sample.
X	Surrogate is outside control limits
F	RPD of the MS and MSD exceeds the control limits

GC/MS VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
N	Presumptive evidence of material.
T	Result is a tentatively identified compound (TIC) and an estimated value.
E	Result exceeded calibration range.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F	MS or MSD exceeds the control limits
X	Surrogate is outside control limits
E	Result exceeded calibration range.
F	RPD of the MS and MSD exceeds the control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: TRC Solutions, Inc.
Project/Site: Troy Chevron Asphalt Terminal - 194098

TestAmerica Job ID: 480-37943-1

Job ID: 480-37943-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-37943-1

Receipt

The samples were received on 5/9/2013 1:30 AM and 5/11/2013 2:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 3.7° C and 4.4° C.

Except:

The following sample was submitted for analysis; however, it was not listed on the Chain-of-Custody (COC): FD051013 (480-38154-19). It did not have time or date of sample collection on the bottle.

GC/MS VOA

Method 8260B: The following samples were diluted due to the abundance of target and/or non-target analytes: DPT-02 (4.5-5.0) (480-37943-2), DPT-15(10.0-11.0) (480-38154-4), DPT-16(9.5-10.0) (480-38154-6), DPT-18(3.5-4.0) (480-38154-8) and DPT-24(9.0-10.0) (480-38154-12). Elevated reporting limits (RLs) are provided.

Method 8260B: Surrogate and internal standard (IS) recoveries for the following MS/MSD were outside control limits: SPT-29(1.0-2.0) (480-38154-17 MS) and SPT-29(1.0-2.0) (480-38154-17 MSD). Evidence of matrix interference was present. This matrix was affecting the IS recoveries and; therefore, affecting the surrogate recoveries; re-analysis was performed with similar results.

Method 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 118093 were outside control limits for several compounds. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 118414 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method 8260B: The method blank for batch 119378 contained the analyte Methylene chloride above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for batch 119655 were outside control limits for several compounds. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

GC/MS Semi VOA

Method 8270C: The following samples were diluted due to the nature of the sample matrix and / or the abundance of target analytes: DPT-02 (4.5-5.0) (480-37943-2), DPT-15(10.0-11.0) (480-38154-4), DPT-16(9.5-10.0) (480-38154-6), DPT-16(9.5-10.0) (480-38154-6 DL), DPT-18(3.5-4.0) (480-38154-8 DL), DPT-24(9.0-10.0) (480-38154-12) and DPT-24(9.0-10.0) (480-38154-12 DL). As such, surrogate recoveries are not representative and elevated reporting limits (RLs) are provided.

Method 8270C: The following samples were diluted due to the nature of the sample matrix: DPT-12 (3.5-4.0) (480-37943-11), DPT-13 (7.5-8.0) (480-37943-12), DPT-15(17.0-17.5) (480-38154-5), DPT-18(3.5-4.0) (480-38154-8), DPT-22(13.5-14.0) (480-38154-10), DPT-25(22.0-23.0) (480-38154-13), DPT-27(12.0-13.0) (480-38154-15), SPT-29(1.0-2.0) (480-38154-17), SPT-29(1.0-2.0) (480-38154-17 MS) and SPT-29(1.0-2.0) (480-38154-17 MSD). Elevated reporting limits (RLs) are provided.

Method 8270C: The following samples contained one base surrogate outside acceptance limits: DPT-22(13.5-14.0) (480-38154-10) and DPT-27(12.0-13.0) (480-38154-15). The laboratory's SOP allows one base surrogate to be outside acceptance limits; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Method 8270C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 117993 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method(s) 8270C: The following compounds were outside control limits in the continuing calibration verification (CCV) associated with analytical batch 480-119772: Benzo[g,h,i]perylene. This compound is not classified as Calibration Check Compounds (CCCs) in the

Case Narrative

Client: TRC Solutions, Inc.
Project/Site: Troy Chevron Asphalt Terminal - 194098

TestAmerica Job ID: 480-37943-1

Job ID: 480-37943-1 (Continued)

Laboratory: TestAmerica Buffalo (Continued)

reference method, and the laboratory defaults to in-house and/or project-specific criteria for evaluation. Due to the large number of analytes contained in the CCV, the laboratory's SOP allows for four analytes to be outside limits; therefore, the data have been reported.

Method 8270C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 118555 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method 8270C: Two compounds were outside control limits in the continuing calibration verification (CCV) associated with batch 119996. These compounds are not classified as Calibration Check Compounds (CCCs) in the reference method. Due to the large number of analytes contained in the CCV, the laboratory's SOP allows for four analytes to be outside limits; therefore, the data has been reported.

No other analytical or quality issues were noted.

Organic Prep

Method 3550B: Due to the sample matrix, the following samples could not be concentrated to the final method required volume: DPT-02 (4.5-5.0) (480-37943-2), DPT-15(10.0-11.0) (480-38154-4), DPT-16(9.5-10.0) (480-38154-6) and DPT-24(9.0-10.0) (480-38154-12). The reporting limits (RLs) are elevated proportionately.

Method 3550B: A significant amount of liquid was present in the following sample: DPT-21(3.0-3.5) (480-38154-2). This sample was decanted prior to preparation.

No other analytical or quality issues were noted.

Detection Summary

Client: TRC Solutions, Inc.
Project/Site: Troy Chevron Asphalt Terminal - 194098

TestAmerica Job ID: 480-37943-1

Client Sample ID: DPT-01 (13-5-14.0)

Lab Sample ID: 480-37943-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	6.0	J	190	2.2	ug/Kg	1	☼	8270C	Total/NA
Acenaphthylene	32	J	190	1.5	ug/Kg	1	☼	8270C	Total/NA
Fluoranthene	7.8	J	190	2.7	ug/Kg	1	☼	8270C	Total/NA
Fluorene	32	J	190	4.4	ug/Kg	1	☼	8270C	Total/NA
Naphthalene	1300		190	3.2	ug/Kg	1	☼	8270C	Total/NA
Phenanthrene	32	J	190	4.0	ug/Kg	1	☼	8270C	Total/NA

Client Sample ID: DPT-02 (4.5-5.0)

Lab Sample ID: 480-37943-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	6600		2800	140	ug/Kg	20	☼	8260B	Total/NA
Ethylbenzene	880	J	2800	820	ug/Kg	20	☼	8260B	Total/NA
Toluene	12000		2800	760	ug/Kg	20	☼	8260B	Total/NA
Xylenes, Total	33000		5700	480	ug/Kg	20	☼	8260B	Total/NA
Acenaphthene	58000	J	380000	4500	ug/Kg	400	☼	8270C	Total/NA
Acenaphthylene	500000		380000	3100	ug/Kg	400	☼	8270C	Total/NA
Anthracene	880000		380000	9700	ug/Kg	400	☼	8270C	Total/NA
Benz(a)anthracene	970000		380000	6500	ug/Kg	400	☼	8270C	Total/NA
Benzo(a)pyrene	550000		380000	9100	ug/Kg	400	☼	8270C	Total/NA
Benzo(b)fluoranthene	830000		380000	7400	ug/Kg	400	☼	8270C	Total/NA
Benzo(g,h,i)perylene	310000	J	380000	4600	ug/Kg	400	☼	8270C	Total/NA
Benzo(k)fluoranthene	310000	J	380000	4200	ug/Kg	400	☼	8270C	Total/NA
Chrysene	720000		380000	3800	ug/Kg	400	☼	8270C	Total/NA
Dibenz(a,h)anthracene	340000	J	380000	4500	ug/Kg	400	☼	8270C	Total/NA
Fluoranthene	1900000		380000	5500	ug/Kg	400	☼	8270C	Total/NA
Fluorene	1000000		380000	8700	ug/Kg	400	☼	8270C	Total/NA
Indeno(1,2,3-c,d)pyrene	500000		380000	10000	ug/Kg	400	☼	8270C	Total/NA
Naphthalene	2300000		380000	6300	ug/Kg	400	☼	8270C	Total/NA
Phenanthrene	3000000		380000	8000	ug/Kg	400	☼	8270C	Total/NA
Pyrene	1400000		380000	2500	ug/Kg	400	☼	8270C	Total/NA

Client Sample ID: DPT-03 (14.5-15.0)

Lab Sample ID: 480-37943-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	7.2	J	200	2.3	ug/Kg	1	☼	8270C	Total/NA
Acenaphthylene	30	J	200	1.6	ug/Kg	1	☼	8270C	Total/NA
Anthracene	64	J	200	5.0	ug/Kg	1	☼	8270C	Total/NA
Benz(a)anthracene	350		200	3.4	ug/Kg	1	☼	8270C	Total/NA
Benzo(a)pyrene	220		200	4.7	ug/Kg	1	☼	8270C	Total/NA
Benzo(b)fluoranthene	430		200	3.8	ug/Kg	1	☼	8270C	Total/NA
Benzo(g,h,i)perylene	150	J	200	2.3	ug/Kg	1	☼	8270C	Total/NA
Benzo(k)fluoranthene	150	J	200	2.1	ug/Kg	1	☼	8270C	Total/NA
Chrysene	370		200	1.9	ug/Kg	1	☼	8270C	Total/NA
Dibenz(a,h)anthracene	170	J	200	2.3	ug/Kg	1	☼	8270C	Total/NA
Fluoranthene	490		200	2.8	ug/Kg	1	☼	8270C	Total/NA
Fluorene	22	J	200	4.5	ug/Kg	1	☼	8270C	Total/NA
Indeno(1,2,3-c,d)pyrene	240		200	5.4	ug/Kg	1	☼	8270C	Total/NA
Naphthalene	190	J	200	3.2	ug/Kg	1	☼	8270C	Total/NA
Phenanthrene	270		200	4.1	ug/Kg	1	☼	8270C	Total/NA
Pyrene	400		200	1.3	ug/Kg	1	☼	8270C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: TRC Solutions, Inc.
Project/Site: Troy Chevron Asphalt Terminal - 194098

TestAmerica Job ID: 480-37943-1

Client Sample ID: DPT-05 (2.5-3.0)

Lab Sample ID: 480-37943-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthylene	25	J	190	1.6	ug/Kg	1	✱	8270C	Total/NA
Anthracene	9.5	J	190	4.9	ug/Kg	1	✱	8270C	Total/NA
Benz(a)anthracene	67	J	190	3.3	ug/Kg	1	✱	8270C	Total/NA
Benzo(a)pyrene	91	J	190	4.6	ug/Kg	1	✱	8270C	Total/NA
Benzo(b)fluoranthene	200		190	3.7	ug/Kg	1	✱	8270C	Total/NA
Benzo(g,h,i)perylene	110	J	190	2.3	ug/Kg	1	✱	8270C	Total/NA
Benzo(k)fluoranthene	48	J	190	2.1	ug/Kg	1	✱	8270C	Total/NA
Chrysene	55	J	190	1.9	ug/Kg	1	✱	8270C	Total/NA
Dibenz(a,h)anthracene	160	J	190	2.3	ug/Kg	1	✱	8270C	Total/NA
Fluoranthene	57	J	190	2.8	ug/Kg	1	✱	8270C	Total/NA
Indeno(1,2,3-c,d)pyrene	210		190	5.3	ug/Kg	1	✱	8270C	Total/NA
Naphthalene	22	J	190	3.2	ug/Kg	1	✱	8270C	Total/NA
Phenanthrene	44	J	190	4.0	ug/Kg	1	✱	8270C	Total/NA
Pyrene	42	J	190	1.2	ug/Kg	1	✱	8270C	Total/NA

Client Sample ID: DPT-05 (22.5-23.0)

Lab Sample ID: 480-37943-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	0.49	J	5.3	0.37	ug/Kg	1	✱	8260B	Total/NA
Xylenes, Total	1.7	J	11	0.90	ug/Kg	1	✱	8260B	Total/NA
Benz(a)anthracene	23	J	180	3.1	ug/Kg	1	✱	8270C	Total/NA
Benzo(a)pyrene	19	J	180	4.4	ug/Kg	1	✱	8270C	Total/NA
Benzo(b)fluoranthene	120	J	180	3.5	ug/Kg	1	✱	8270C	Total/NA
Benzo(g,h,i)perylene	28	J	180	2.2	ug/Kg	1	✱	8270C	Total/NA
Benzo(k)fluoranthene	13	J	180	2.0	ug/Kg	1	✱	8270C	Total/NA
Chrysene	44	J	180	1.8	ug/Kg	1	✱	8270C	Total/NA
Dibenz(a,h)anthracene	130	J	180	2.1	ug/Kg	1	✱	8270C	Total/NA
Fluoranthene	24	J	180	2.6	ug/Kg	1	✱	8270C	Total/NA
Indeno(1,2,3-c,d)pyrene	140	J	180	5.0	ug/Kg	1	✱	8270C	Total/NA
Phenanthrene	20	J	180	3.8	ug/Kg	1	✱	8270C	Total/NA
Pyrene	23	J	180	1.2	ug/Kg	1	✱	8270C	Total/NA

Client Sample ID: DPT-07 (11.0-11.5)

Lab Sample ID: 480-37943-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluoranthene	5.8	J	200	2.9	ug/Kg	1	✱	8270C	Total/NA
Phenanthrene	11	J	200	4.2	ug/Kg	1	✱	8270C	Total/NA

Client Sample ID: DPT-08 (3.5-4.0)

Lab Sample ID: 480-37943-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	5.8	J	29	4.8	ug/Kg	1	✱	8260B	Total/NA
Trichloroethene	2.0	J	5.8	1.3	ug/Kg	1	✱	8260B	Total/NA
Benzo(b)fluoranthene	99	J	200	3.8	ug/Kg	1	✱	8270C	Total/NA
Chrysene	3.7	J	200	2.0	ug/Kg	1	✱	8270C	Total/NA
Naphthalene	63	J	200	3.2	ug/Kg	1	✱	8270C	Total/NA
Phenanthrene	11	J	200	4.1	ug/Kg	1	✱	8270C	Total/NA

Client Sample ID: DPT-09 (22.5-23.0)

Lab Sample ID: 480-37943-8

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: TRC Solutions, Inc.

TestAmerica Job ID: 480-37943-1

Project/Site: Troy Chevron Asphalt Terminal - 194098

Client Sample ID: DPT-09 (22.5-23.0) (Continued)

Lab Sample ID: 480-37943-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Anthracene	7.2	J	180	4.7	ug/Kg	1	✱	8270C	Total/NA
Benz(a)anthracene	26	J	180	3.2	ug/Kg	1	✱	8270C	Total/NA
Benzo(a)pyrene	19	J	180	4.4	ug/Kg	1	✱	8270C	Total/NA
Benzo(b)fluoranthene	120	J	180	3.5	ug/Kg	1	✱	8270C	Total/NA
Benzo(g,h,i)perylene	17	J	180	2.2	ug/Kg	1	✱	8270C	Total/NA
Benzo(k)fluoranthene	12	J	180	2.0	ug/Kg	1	✱	8270C	Total/NA
Chrysene	52	J	180	1.8	ug/Kg	1	✱	8270C	Total/NA
Fluoranthene	43	J	180	2.6	ug/Kg	1	✱	8270C	Total/NA
Indeno(1,2,3-c,d)pyrene	130	J	180	5.1	ug/Kg	1	✱	8270C	Total/NA
Naphthalene	21	J	180	3.0	ug/Kg	1	✱	8270C	Total/NA
Phenanthrene	51	J	180	3.8	ug/Kg	1	✱	8270C	Total/NA
Pyrene	33	J	180	1.2	ug/Kg	1	✱	8270C	Total/NA

Client Sample ID: DPT-10 (4.0-4.5)

Lab Sample ID: 480-37943-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	9.4	J	27	4.6	ug/Kg	1	✱	8260B	Total/NA
Toluene	0.51	J	5.4	0.41	ug/Kg	1	✱	8260B	Total/NA
Acenaphthylene	18	J	180	1.5	ug/Kg	1	✱	8270C	Total/NA
Anthracene	26	J	180	4.7	ug/Kg	1	✱	8270C	Total/NA
Benz(a)anthracene	150	J	180	3.1	ug/Kg	1	✱	8270C	Total/NA
Benzo(a)pyrene	130	J	180	4.4	ug/Kg	1	✱	8270C	Total/NA
Benzo(b)fluoranthene	250	J	180	3.5	ug/Kg	1	✱	8270C	Total/NA
Benzo(g,h,i)perylene	100	J	180	2.2	ug/Kg	1	✱	8270C	Total/NA
Benzo(k)fluoranthene	72	J	180	2.0	ug/Kg	1	✱	8270C	Total/NA
Chrysene	170	J	180	1.8	ug/Kg	1	✱	8270C	Total/NA
Dibenz(a,h)anthracene	140	J	180	2.1	ug/Kg	1	✱	8270C	Total/NA
Fluoranthene	180	J	180	2.6	ug/Kg	1	✱	8270C	Total/NA
Fluorene	9.4	J	180	4.2	ug/Kg	1	✱	8270C	Total/NA
Indeno(1,2,3-c,d)pyrene	190	J	180	5.0	ug/Kg	1	✱	8270C	Total/NA
Naphthalene	28	J	180	3.0	ug/Kg	1	✱	8270C	Total/NA
Phenanthrene	110	J	180	3.8	ug/Kg	1	✱	8270C	Total/NA
Pyrene	170	J	180	1.2	ug/Kg	1	✱	8270C	Total/NA

Client Sample ID: DPT-11 (23.0-23.5)

Lab Sample ID: 480-37943-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	28	J	200	2.3	ug/Kg	1	✱	8270C	Total/NA
Acenaphthylene	22	J	200	1.6	ug/Kg	1	✱	8270C	Total/NA
Anthracene	200	J	200	5.1	ug/Kg	1	✱	8270C	Total/NA
Benz(a)anthracene	520	J	200	3.4	ug/Kg	1	✱	8270C	Total/NA
Benzo(a)pyrene	410	J	200	4.8	ug/Kg	1	✱	8270C	Total/NA
Benzo(b)fluoranthene	510	J	200	3.9	ug/Kg	1	✱	8270C	Total/NA
Benzo(g,h,i)perylene	220	J	200	2.4	ug/Kg	1	✱	8270C	Total/NA
Benzo(k)fluoranthene	180	J	200	2.2	ug/Kg	1	✱	8270C	Total/NA
Chrysene	470	J	200	2.0	ug/Kg	1	✱	8270C	Total/NA
Dibenz(a,h)anthracene	190	J	200	2.3	ug/Kg	1	✱	8270C	Total/NA
Fluoranthene	800	J	200	2.9	ug/Kg	1	✱	8270C	Total/NA
Fluorene	60	J	200	4.6	ug/Kg	1	✱	8270C	Total/NA
Indeno(1,2,3-c,d)pyrene	290	J	200	5.5	ug/Kg	1	✱	8270C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: TRC Solutions, Inc.

TestAmerica Job ID: 480-37943-1

Project/Site: Troy Chevron Asphalt Terminal - 194098

Client Sample ID: DPT-11 (23.0-23.5) (Continued)

Lab Sample ID: 480-37943-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	54	J	200	3.3	ug/Kg	1	☼	8270C	Total/NA
Phenanthrene	340		200	4.2	ug/Kg	1	☼	8270C	Total/NA
Pyrene	760		200	1.3	ug/Kg	1	☼	8270C	Total/NA

Client Sample ID: DPT-12 (3.5-4.0)

Lab Sample ID: 480-37943-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthylene	130	J	900	7.3	ug/Kg	5	☼	8270C	Total/NA
Anthracene	170	J	900	23	ug/Kg	5	☼	8270C	Total/NA
Benz(a)anthracene	940		900	15	ug/Kg	5	☼	8270C	Total/NA
Benzo(a)pyrene	650	J	900	22	ug/Kg	5	☼	8270C	Total/NA
Benzo(b)fluoranthene	1300		900	17	ug/Kg	5	☼	8270C	Total/NA
Benzo(g,h,i)perylene	380	J	900	11	ug/Kg	5	☼	8270C	Total/NA
Benzo(k)fluoranthene	490	J	900	9.8	ug/Kg	5	☼	8270C	Total/NA
Chrysene	950		900	8.9	ug/Kg	5	☼	8270C	Total/NA
Dibenz(a,h)anthracene	720	J	900	11	ug/Kg	5	☼	8270C	Total/NA
Fluoranthene	1700		900	13	ug/Kg	5	☼	8270C	Total/NA
Fluorene	110	J	900	21	ug/Kg	5	☼	8270C	Total/NA
Indeno(1,2,3-c,d)pyrene	920		900	25	ug/Kg	5	☼	8270C	Total/NA
Phenanthrene	1200		900	19	ug/Kg	5	☼	8270C	Total/NA
Pyrene	1300		900	5.8	ug/Kg	5	☼	8270C	Total/NA

Client Sample ID: DPT-13 (7.5-8.0)

Lab Sample ID: 480-37943-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	33	J	1000	12	ug/Kg	5	☼	8270C	Total/NA
Acenaphthylene	220	J	1000	8.1	ug/Kg	5	☼	8270C	Total/NA
Anthracene	260	J	1000	25	ug/Kg	5	☼	8270C	Total/NA
Benz(a)anthracene	1400		1000	17	ug/Kg	5	☼	8270C	Total/NA
Benzo(a)pyrene	1100		1000	24	ug/Kg	5	☼	8270C	Total/NA
Benzo(b)fluoranthene	2000		1000	19	ug/Kg	5	☼	8270C	Total/NA
Benzo(g,h,i)perylene	710	J	1000	12	ug/Kg	5	☼	8270C	Total/NA
Benzo(k)fluoranthene	620	J	1000	11	ug/Kg	5	☼	8270C	Total/NA
Chrysene	1400		1000	9.9	ug/Kg	5	☼	8270C	Total/NA
Dibenz(a,h)anthracene	850	J	1000	12	ug/Kg	5	☼	8270C	Total/NA
Fluoranthene	2200		1000	14	ug/Kg	5	☼	8270C	Total/NA
Fluorene	77	J	1000	23	ug/Kg	5	☼	8270C	Total/NA
Indeno(1,2,3-c,d)pyrene	1200		1000	28	ug/Kg	5	☼	8270C	Total/NA
Naphthalene	150	J	1000	17	ug/Kg	5	☼	8270C	Total/NA
Phenanthrene	1700		1000	21	ug/Kg	5	☼	8270C	Total/NA
Pyrene	1600		1000	6.4	ug/Kg	5	☼	8270C	Total/NA

Client Sample ID: DPT-13 (15.0-15.5)

Lab Sample ID: 480-37943-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	6.7	J	220	2.5	ug/Kg	1	☼	8270C	Total/NA
Acenaphthylene	79	J	220	1.8	ug/Kg	1	☼	8270C	Total/NA
Anthracene	170	J	220	5.5	ug/Kg	1	☼	8270C	Total/NA
Benz(a)anthracene	600		220	3.7	ug/Kg	1	☼	8270C	Total/NA
Benzo(a)pyrene	390		220	5.2	ug/Kg	1	☼	8270C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: TRC Solutions, Inc.
Project/Site: Troy Chevron Asphalt Terminal - 194098

TestAmerica Job ID: 480-37943-1

Client Sample ID: DPT-13 (15.0-15.5) (Continued)

Lab Sample ID: 480-37943-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo(b)fluoranthene	500		220	4.2	ug/Kg	1	✱	8270C	Total/NA
Benzo(g,h,i)perylene	180	J	220	2.6	ug/Kg	1	✱	8270C	Total/NA
Benzo(k)fluoranthene	280		220	2.4	ug/Kg	1	✱	8270C	Total/NA
Chrysene	480		220	2.2	ug/Kg	1	✱	8270C	Total/NA
Dibenz(a,h)anthracene	200	J	220	2.5	ug/Kg	1	✱	8270C	Total/NA
Fluoranthene	950		220	3.1	ug/Kg	1	✱	8270C	Total/NA
Fluorene	85	J	220	5.0	ug/Kg	1	✱	8270C	Total/NA
Indeno(1,2,3-c,d)pyrene	300		220	6.0	ug/Kg	1	✱	8270C	Total/NA
Naphthalene	22	J	220	3.6	ug/Kg	1	✱	8270C	Total/NA
Phenanthrene	740		220	4.5	ug/Kg	1	✱	8270C	Total/NA
Pyrene	750		220	1.4	ug/Kg	1	✱	8270C	Total/NA

Client Sample ID: DPT-14 (6.0-6.5)

Lab Sample ID: 480-37943-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthylene	19	J	180	1.5	ug/Kg	1	✱	8270C	Total/NA
Anthracene	15	J	180	4.6	ug/Kg	1	✱	8270C	Total/NA
Benz(a)anthracene	120	J	180	3.1	ug/Kg	1	✱	8270C	Total/NA
Benzo(a)pyrene	58	J	180	4.4	ug/Kg	1	✱	8270C	Total/NA
Benzo(b)fluoranthene	180		180	3.5	ug/Kg	1	✱	8270C	Total/NA
Benzo(g,h,i)perylene	51	J	180	2.2	ug/Kg	1	✱	8270C	Total/NA
Benzo(k)fluoranthene	38	J	180	2.0	ug/Kg	1	✱	8270C	Total/NA
Chrysene	110	J	180	1.8	ug/Kg	1	✱	8270C	Total/NA
Dibenz(a,h)anthracene	140	J	180	2.1	ug/Kg	1	✱	8270C	Total/NA
Fluoranthene	210		180	2.6	ug/Kg	1	✱	8270C	Total/NA
Indeno(1,2,3-c,d)pyrene	150	J	180	5.0	ug/Kg	1	✱	8270C	Total/NA
Phenanthrene	70	J	180	3.8	ug/Kg	1	✱	8270C	Total/NA
Pyrene	170	J	180	1.2	ug/Kg	1	✱	8270C	Total/NA

Client Sample ID: DPT-14 (16.0-16.5)

Lab Sample ID: 480-37943-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Phenanthrene	7.0	J	190	4.0	ug/Kg	1	✱	8270C	Total/NA

Client Sample ID: DPT-20(12.0-12.5)

Lab Sample ID: 480-38154-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	16	J	29	2.1	ug/Kg	1	✱	8260B	Total/NA
Acetone	72		29	4.9	ug/Kg	1	✱	8260B	Total/NA
Benzene	0.56	J	5.8	0.29	ug/Kg	1	✱	8260B	Total/NA
Ethylbenzene	0.96	J	5.8	0.40	ug/Kg	1	✱	8260B	Total/NA
Toluene	1.6	J	5.8	0.44	ug/Kg	1	✱	8260B	Total/NA
Acenaphthene	2.7	J	200	2.3	ug/Kg	1	✱	8270C	Total/NA
Benz(a)anthracene	17	J	200	3.4	ug/Kg	1	✱	8270C	Total/NA
Benzo(a)pyrene	4.7	J	200	4.7	ug/Kg	1	✱	8270C	Total/NA
Benzo(b)fluoranthene	110	J	200	3.8	ug/Kg	1	✱	8270C	Total/NA
Chrysene	14	J	200	2.0	ug/Kg	1	✱	8270C	Total/NA
Fluoranthene	6.7	J	200	2.8	ug/Kg	1	✱	8270C	Total/NA
Naphthalene	55	J	200	3.3	ug/Kg	1	✱	8270C	Total/NA
Phenanthrene	20	J	200	4.1	ug/Kg	1	✱	8270C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: TRC Solutions, Inc.
Project/Site: Troy Chevron Asphalt Terminal - 194098

TestAmerica Job ID: 480-37943-1

Client Sample ID: DPT-21(3.0-3.5)

Lab Sample ID: 480-38154-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	19	J	29	2.1	ug/Kg	1	☼	8260B	Total/NA
Acetone	67		29	4.9	ug/Kg	1	☼	8260B	Total/NA
Benzene	2.6	J	5.8	0.28	ug/Kg	1	☼	8260B	Total/NA
Ethylbenzene	2.9	J	5.8	0.40	ug/Kg	1	☼	8260B	Total/NA
Toluene	7.5		5.8	0.44	ug/Kg	1	☼	8260B	Total/NA
Xylenes, Total	4.5	J	12	0.97	ug/Kg	1	☼	8260B	Total/NA
Acenaphthene	15	J	200	2.3	ug/Kg	1	☼	8270C	Total/NA
Acenaphthylene	14	J	200	1.6	ug/Kg	1	☼	8270C	Total/NA
Anthracene	5.8	J	200	5.0	ug/Kg	1	☼	8270C	Total/NA
Benzo(a)pyrene	5.0	J	200	4.7	ug/Kg	1	☼	8270C	Total/NA
Benzo(b)fluoranthene	110	J	200	3.8	ug/Kg	1	☼	8270C	Total/NA
Benzo(k)fluoranthene	3.3	J	200	2.2	ug/Kg	1	☼	8270C	Total/NA
Chrysene	14	J	200	2.0	ug/Kg	1	☼	8270C	Total/NA
Fluoranthene	8.1	J	200	2.8	ug/Kg	1	☼	8270C	Total/NA
Fluorene	36	J	200	4.5	ug/Kg	1	☼	8270C	Total/NA
Naphthalene	2200		200	3.3	ug/Kg	1	☼	8270C	Total/NA
Phenanthrene	33	J	200	4.1	ug/Kg	1	☼	8270C	Total/NA
Pyrene	6.4	J	200	1.3	ug/Kg	1	☼	8270C	Total/NA

Client Sample ID: DPT-21(21.5-22.0)

Lab Sample ID: 480-38154-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	23	J	240	2.8	ug/Kg	1	☼	8270C	Total/NA
Acenaphthylene	43	J	240	1.9	ug/Kg	1	☼	8270C	Total/NA
Anthracene	15	J	240	6.0	ug/Kg	1	☼	8270C	Total/NA
Benzo(a)pyrene	17	J	240	5.7	ug/Kg	1	☼	8270C	Total/NA
Benzo(b)fluoranthene	140	J	240	4.6	ug/Kg	1	☼	8270C	Total/NA
Benzo(g,h,i)perylene	15	J	240	2.8	ug/Kg	1	☼	8270C	Total/NA
Benzo(k)fluoranthene	19	J	240	2.6	ug/Kg	1	☼	8270C	Total/NA
Chrysene	54	J	240	2.4	ug/Kg	1	☼	8270C	Total/NA
Fluoranthene	30	J	240	3.4	ug/Kg	1	☼	8270C	Total/NA
Fluorene	110	J	240	5.4	ug/Kg	1	☼	8270C	Total/NA
Indeno(1,2,3-c,d)pyrene	170	J	240	6.5	ug/Kg	1	☼	8270C	Total/NA
Naphthalene	5800		240	3.9	ug/Kg	1	☼	8270C	Total/NA
Phenanthrene	120	J	240	5.0	ug/Kg	1	☼	8270C	Total/NA
Pyrene	25	J	240	1.5	ug/Kg	1	☼	8270C	Total/NA

Client Sample ID: DPT-15(10.0-11.0)

Lab Sample ID: 480-38154-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trichlorobenzene	13000		4800	1800	ug/Kg	40	☼	8260B	Total/NA
1,4-Dichlorobenzene	780	J	4800	670	ug/Kg	40	☼	8260B	Total/NA
Methylene Chloride	1000	J B	4800	940	ug/Kg	40	☼	8260B	Total/NA
Acenaphthene	65000	J	160000	1900	ug/Kg	50	☼	8270C	Total/NA
Acenaphthylene	380000		160000	1300	ug/Kg	50	☼	8270C	Total/NA
Anthracene	580000		160000	4100	ug/Kg	50	☼	8270C	Total/NA
Benz(a)anthracene	680000		160000	2800	ug/Kg	50	☼	8270C	Total/NA
Benzo(a)pyrene	490000		160000	3900	ug/Kg	50	☼	8270C	Total/NA
Benzo(b)fluoranthene	730000		160000	3100	ug/Kg	50	☼	8270C	Total/NA
Benzo(g,h,i)perylene	170000		160000	1900	ug/Kg	50	☼	8270C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: TRC Solutions, Inc.
Project/Site: Troy Chevron Asphalt Terminal - 194098

TestAmerica Job ID: 480-37943-1

Client Sample ID: DPT-15(10.0-11.0) (Continued)

Lab Sample ID: 480-38154-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Benzo(k)fluoranthene	260000		160000	1800	ug/Kg	50		☆	8270C	Total/NA
Chrysene	560000		160000	1600	ug/Kg	50		☆	8270C	Total/NA
Dibenz(a,h)anthracene	160000		160000	1900	ug/Kg	50		☆	8270C	Total/NA
Fluoranthene	1500000		160000	2300	ug/Kg	50		☆	8270C	Total/NA
Fluorene	880000		160000	3700	ug/Kg	50		☆	8270C	Total/NA
Indeno(1,2,3-c,d)pyrene	240000		160000	4400	ug/Kg	50		☆	8270C	Total/NA
Naphthalene	1900000		160000	2700	ug/Kg	50		☆	8270C	Total/NA
Phenanthrene	2400000		160000	3400	ug/Kg	50		☆	8270C	Total/NA
Pyrene	930000		160000	1000	ug/Kg	50		☆	8270C	Total/NA

Client Sample ID: DPT-15(17.0-17.5)

Lab Sample ID: 480-38154-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Acenaphthene	32	J	1200	14	ug/Kg	5		☆	8270C	Total/NA
Anthracene	160	J	1200	30	ug/Kg	5		☆	8270C	Total/NA
Benz(a)anthracene	740	J	1200	20	ug/Kg	5		☆	8270C	Total/NA
Benzo(a)pyrene	700	J	1200	28	ug/Kg	5		☆	8270C	Total/NA
Benzo(b)fluoranthene	1200		1200	23	ug/Kg	5		☆	8270C	Total/NA
Benzo(g,h,i)perylene	270	J	1200	14	ug/Kg	5		☆	8270C	Total/NA
Benzo(k)fluoranthene	460	J	1200	13	ug/Kg	5		☆	8270C	Total/NA
Chrysene	620	J	1200	12	ug/Kg	5		☆	8270C	Total/NA
Fluoranthene	1100	J	1200	17	ug/Kg	5		☆	8270C	Total/NA
Indeno(1,2,3-c,d)pyrene	970	J	1200	32	ug/Kg	5		☆	8270C	Total/NA
Naphthalene	1700		1200	19	ug/Kg	5		☆	8270C	Total/NA
Phenanthrene	480	J	1200	24	ug/Kg	5		☆	8270C	Total/NA
Pyrene	950	J	1200	7.5	ug/Kg	5		☆	8270C	Total/NA

Client Sample ID: DPT-16(9.5-10.0)

Lab Sample ID: 480-38154-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
1,2,4-Trichlorobenzene	2900	J	5400	2000	ug/Kg	40		☆	8260B	Total/NA
Benzene	9000		5400	260	ug/Kg	40		☆	8260B	Total/NA
Ethylbenzene	1700	J	5400	1600	ug/Kg	40		☆	8260B	Total/NA
Methylene Chloride	1100	J B	5400	1100	ug/Kg	40		☆	8260B	Total/NA
Toluene	19000		5400	1400	ug/Kg	40		☆	8260B	Total/NA
Xylenes, Total	46000		11000	910	ug/Kg	40		☆	8260B	Total/NA
Acenaphthene	120000	J	160000	1900	ug/Kg	50		☆	8270C	Total/NA
Acenaphthylene	270000		160000	1300	ug/Kg	50		☆	8270C	Total/NA
Anthracene	1000000		160000	4100	ug/Kg	50		☆	8270C	Total/NA
Benz(a)anthracene	1300000		160000	2700	ug/Kg	50		☆	8270C	Total/NA
Benzo(a)pyrene	840000		160000	3800	ug/Kg	50		☆	8270C	Total/NA
Benzo(b)fluoranthene	1200000		160000	3100	ug/Kg	50		☆	8270C	Total/NA
Benzo(g,h,i)perylene	290000		160000	1900	ug/Kg	50		☆	8270C	Total/NA
Benzo(k)fluoranthene	560000		160000	1700	ug/Kg	50		☆	8270C	Total/NA
Chrysene	1100000		160000	1600	ug/Kg	50		☆	8270C	Total/NA
Dibenz(a,h)anthracene	210000		160000	1900	ug/Kg	50		☆	8270C	Total/NA
Fluoranthene	2900000		160000	2300	ug/Kg	50		☆	8270C	Total/NA
Fluorene	1300000		160000	3700	ug/Kg	50		☆	8270C	Total/NA
Indeno(1,2,3-c,d)pyrene	360000		160000	4400	ug/Kg	50		☆	8270C	Total/NA
Naphthalene	6200000	E	160000	2600	ug/Kg	50		☆	8270C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: TRC Solutions, Inc.
Project/Site: Troy Chevron Asphalt Terminal - 194098

TestAmerica Job ID: 480-37943-1

Client Sample ID: DPT-16(9.5-10.0) (Continued)

Lab Sample ID: 480-38154-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Phenanthrene	4800000		160000	3300	ug/Kg	50	✱	8270C	Total/NA
Pyrene	1700000		160000	1000	ug/Kg	50	✱	8270C	Total/NA
Acenaphthene - DL	110000	J	800000	9300	ug/Kg	250	✱	8270C	Total/NA
Acenaphthylene - DL	240000	J	800000	6500	ug/Kg	250	✱	8270C	Total/NA
Anthracene - DL	990000		800000	20000	ug/Kg	250	✱	8270C	Total/NA
Benz(a)anthracene - DL	1400000		800000	14000	ug/Kg	250	✱	8270C	Total/NA
Benzo(a)pyrene - DL	730000	J	800000	19000	ug/Kg	250	✱	8270C	Total/NA
Benzo(b)fluoranthene - DL	1500000		800000	15000	ug/Kg	250	✱	8270C	Total/NA
Benzo(g,h,i)perylene - DL	500000	J	800000	9500	ug/Kg	250	✱	8270C	Total/NA
Benzo(k)fluoranthene - DL	540000	J	800000	8700	ug/Kg	250	✱	8270C	Total/NA
Chrysene - DL	1300000		800000	7900	ug/Kg	250	✱	8270C	Total/NA
Dibenz(a,h)anthracene - DL	670000	J	800000	9300	ug/Kg	250	✱	8270C	Total/NA
Fluoranthene - DL	3100000		800000	12000	ug/Kg	250	✱	8270C	Total/NA
Fluorene - DL	1300000		800000	18000	ug/Kg	250	✱	8270C	Total/NA
Indeno(1,2,3-c,d)pyrene - DL	900000		800000	22000	ug/Kg	250	✱	8270C	Total/NA
Naphthalene - DL	6800000		800000	13000	ug/Kg	250	✱	8270C	Total/NA
Phenanthrene - DL	5200000		800000	17000	ug/Kg	250	✱	8270C	Total/NA
Pyrene - DL	2200000		800000	5100	ug/Kg	250	✱	8270C	Total/NA

Client Sample ID: DPT-17(18.5-19.0)

Lab Sample ID: 480-38154-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	36	J	210	2.5	ug/Kg	1	✱	8270C	Total/NA
Acenaphthylene	16	J	210	1.7	ug/Kg	1	✱	8270C	Total/NA
Anthracene	63	J	210	5.4	ug/Kg	1	✱	8270C	Total/NA
Benz(a)anthracene	180	J	210	3.6	ug/Kg	1	✱	8270C	Total/NA
Benzo(a)pyrene	160	J	210	5.1	ug/Kg	1	✱	8270C	Total/NA
Benzo(b)fluoranthene	330		210	4.1	ug/Kg	1	✱	8270C	Total/NA
Benzo(g,h,i)perylene	83	J	210	2.5	ug/Kg	1	✱	8270C	Total/NA
Benzo(k)fluoranthene	96	J	210	2.3	ug/Kg	1	✱	8270C	Total/NA
Chrysene	190	J	210	2.1	ug/Kg	1	✱	8270C	Total/NA
Dibenz(a,h)anthracene	170	J	210	2.5	ug/Kg	1	✱	8270C	Total/NA
Fluoranthene	360		210	3.1	ug/Kg	1	✱	8270C	Total/NA
Fluorene	37	J	210	4.9	ug/Kg	1	✱	8270C	Total/NA
Indeno(1,2,3-c,d)pyrene	200	J	210	5.8	ug/Kg	1	✱	8270C	Total/NA
Naphthalene	100	J	210	3.5	ug/Kg	1	✱	8270C	Total/NA
Phenanthrene	410		210	4.4	ug/Kg	1	✱	8270C	Total/NA
Pyrene	280		210	1.4	ug/Kg	1	✱	8270C	Total/NA

Client Sample ID: DPT-18(3.5-4.0)

Lab Sample ID: 480-38154-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Anthracene	120	J	1900	48	ug/Kg	10	✱	8270C	Total/NA
Benz(a)anthracene	220	J	1900	33	ug/Kg	10	✱	8270C	Total/NA
Benzo(a)pyrene	110	J	1900	45	ug/Kg	10	✱	8270C	Total/NA
Benzo(b)fluoranthene	1300	J	1900	37	ug/Kg	10	✱	8270C	Total/NA
Benzo(g,h,i)perylene	97	J	1900	23	ug/Kg	10	✱	8270C	Total/NA
Benzo(k)fluoranthene	180	J	1900	21	ug/Kg	10	✱	8270C	Total/NA
Chrysene	420	J	1900	19	ug/Kg	10	✱	8270C	Total/NA
Fluoranthene	520	J	1900	27	ug/Kg	10	✱	8270C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: TRC Solutions, Inc.

TestAmerica Job ID: 480-37943-1

Project/Site: Troy Chevron Asphalt Terminal - 194098

Client Sample ID: DPT-18(3.5-4.0) (Continued)

Lab Sample ID: 480-38154-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Indeno(1,2,3-c,d)pyrene	1300	J	1900	52	ug/Kg	10	✱	8270C	Total/NA
Naphthalene	75000	E	1900	31	ug/Kg	10	✱	8270C	Total/NA
Phenanthrene	530	J	1900	40	ug/Kg	10	✱	8270C	Total/NA
Pyrene	300	J	1900	12	ug/Kg	10	✱	8270C	Total/NA
Chrysene - DL	450	J	9500	94	ug/Kg	50	✱	8270C	Total/NA
Fluoranthene - DL	550	J	9500	140	ug/Kg	50	✱	8270C	Total/NA
Naphthalene - DL	82000		9500	160	ug/Kg	50	✱	8270C	Total/NA
Phenanthrene - DL	530	J	9500	200	ug/Kg	50	✱	8270C	Total/NA

Client Sample ID: DPT-19(15.5-16.0)

Lab Sample ID: 480-38154-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Anthracene	8.3	J	190	4.9	ug/Kg	1	✱	8270C	Total/NA
Benz(a)anthracene	30	J	190	3.3	ug/Kg	1	✱	8270C	Total/NA
Benzo(a)pyrene	27	J	190	4.6	ug/Kg	1	✱	8270C	Total/NA
Benzo(b)fluoranthene	140	J	190	3.7	ug/Kg	1	✱	8270C	Total/NA
Benzo(g,h,i)perylene	14	J	190	2.3	ug/Kg	1	✱	8270C	Total/NA
Benzo(k)fluoranthene	18	J	190	2.1	ug/Kg	1	✱	8270C	Total/NA
Chrysene	56	J	190	1.9	ug/Kg	1	✱	8270C	Total/NA
Fluoranthene	40	J	190	2.8	ug/Kg	1	✱	8270C	Total/NA
Fluorene	8.1	J	190	4.4	ug/Kg	1	✱	8270C	Total/NA
Indeno(1,2,3-c,d)pyrene	140	J	190	5.3	ug/Kg	1	✱	8270C	Total/NA
Naphthalene	250		190	3.2	ug/Kg	1	✱	8270C	Total/NA
Phenanthrene	73	J	190	4.0	ug/Kg	1	✱	8270C	Total/NA
Pyrene	29	J	190	1.2	ug/Kg	1	✱	8270C	Total/NA

Client Sample ID: DPT-22(13.5-14.0)

Lab Sample ID: 480-38154-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	63	J	320	23	ug/Kg	1	✱	8260B	Total/NA
Acetone	380		320	53	ug/Kg	1	✱	8260B	Total/NA
Ethylbenzene	10	J	63	4.4	ug/Kg	1	✱	8260B	Total/NA
Toluene	44	J	63	4.8	ug/Kg	1	✱	8260B	Total/NA
Xylenes, Total	14	J	130	11	ug/Kg	1	✱	8260B	Total/NA
Benz(a)anthracene	160	J	1100	19	ug/Kg	5	✱	8270C	Total/NA
Benzo(a)pyrene	110	J	1100	26	ug/Kg	5	✱	8270C	Total/NA
Benzo(b)fluoranthene	660	J	1100	21	ug/Kg	5	✱	8270C	Total/NA
Benzo(g,h,i)perylene	120	J	1100	13	ug/Kg	5	✱	8270C	Total/NA
Benzo(k)fluoranthene	75	J	1100	12	ug/Kg	5	✱	8270C	Total/NA
Chrysene	170	J	1100	11	ug/Kg	5	✱	8270C	Total/NA
Fluoranthene	130	J	1100	16	ug/Kg	5	✱	8270C	Total/NA
Indeno(1,2,3-c,d)pyrene	800	J	1100	30	ug/Kg	5	✱	8270C	Total/NA
Phenanthrene	91	J	1100	23	ug/Kg	5	✱	8270C	Total/NA
Pyrene	140	J	1100	7.1	ug/Kg	5	✱	8270C	Total/NA

Client Sample ID: DPT-23(2.5-3.0)

Lab Sample ID: 480-38154-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	20	J	200	2.3	ug/Kg	1	✱	8270C	Total/NA
Anthracene	34	J	200	5.1	ug/Kg	1	✱	8270C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: TRC Solutions, Inc.
Project/Site: Troy Chevron Asphalt Terminal - 194098

TestAmerica Job ID: 480-37943-1

Client Sample ID: DPT-23(2.5-3.0) (Continued)

Lab Sample ID: 480-38154-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benz(a)anthracene	370		200	3.4	ug/Kg	1	✱	8270C	Total/NA
Benzo(a)pyrene	720		200	4.8	ug/Kg	1	✱	8270C	Total/NA
Benzo(b)fluoranthene	890		200	3.9	ug/Kg	1	✱	8270C	Total/NA
Benzo(g,h,i)perylene	490		200	2.4	ug/Kg	1	✱	8270C	Total/NA
Benzo(k)fluoranthene	420		200	2.2	ug/Kg	1	✱	8270C	Total/NA
Chrysene	350		200	2.0	ug/Kg	1	✱	8270C	Total/NA
Dibenz(a,h)anthracene	240		200	2.3	ug/Kg	1	✱	8270C	Total/NA
Fluoranthene	290		200	2.9	ug/Kg	1	✱	8270C	Total/NA
Fluorene	8.3	J	200	4.6	ug/Kg	1	✱	8270C	Total/NA
Indeno(1,2,3-c,d)pyrene	490		200	5.5	ug/Kg	1	✱	8270C	Total/NA
Naphthalene	150	J	200	3.3	ug/Kg	1	✱	8270C	Total/NA
Phenanthrene	140	J	200	4.2	ug/Kg	1	✱	8270C	Total/NA
Pyrene	260		200	1.3	ug/Kg	1	✱	8270C	Total/NA

Client Sample ID: DPT-24(9.0-10.0)

Lab Sample ID: 480-38154-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	1200	J B	5600	1100	ug/Kg	40	✱	8260B	Total/NA
Acenaphthene	66000	J	96000	1100	ug/Kg	50	✱	8270C	Total/NA
Acenaphthylene	210000		96000	780	ug/Kg	50	✱	8270C	Total/NA
Anthracene	930000		96000	2400	ug/Kg	50	✱	8270C	Total/NA
Benz(a)anthracene	2100000		96000	1600	ug/Kg	50	✱	8270C	Total/NA
Benzo(a)pyrene	1600000		96000	2300	ug/Kg	50	✱	8270C	Total/NA
Benzo(b)fluoranthene	2200000		96000	1800	ug/Kg	50	✱	8270C	Total/NA
Benzo(g,h,i)perylene	480000		96000	1100	ug/Kg	50	✱	8270C	Total/NA
Benzo(k)fluoranthene	1000000		96000	1000	ug/Kg	50	✱	8270C	Total/NA
Chrysene	1700000		96000	950	ug/Kg	50	✱	8270C	Total/NA
Dibenz(a,h)anthracene	210000		96000	1100	ug/Kg	50	✱	8270C	Total/NA
Fluoranthene	3500000	E	96000	1400	ug/Kg	50	✱	8270C	Total/NA
Fluorene	860000		96000	2200	ug/Kg	50	✱	8270C	Total/NA
Indeno(1,2,3-c,d)pyrene	490000		96000	2600	ug/Kg	50	✱	8270C	Total/NA
Naphthalene	2100000		96000	1600	ug/Kg	50	✱	8270C	Total/NA
Phenanthrene	3700000	E	96000	2000	ug/Kg	50	✱	8270C	Total/NA
Pyrene	2100000		96000	610	ug/Kg	50	✱	8270C	Total/NA
Acenaphthene - DL	69000	J	480000	5600	ug/Kg	250	✱	8270C	Total/NA
Acenaphthylene - DL	190000	J	480000	3900	ug/Kg	250	✱	8270C	Total/NA
Anthracene - DL	960000		480000	12000	ug/Kg	250	✱	8270C	Total/NA
Benz(a)anthracene - DL	2400000		480000	8200	ug/Kg	250	✱	8270C	Total/NA
Benzo(a)pyrene - DL	1600000		480000	11000	ug/Kg	250	✱	8270C	Total/NA
Benzo(b)fluoranthene - DL	1900000		480000	9200	ug/Kg	250	✱	8270C	Total/NA
Benzo(g,h,i)perylene - DL	880000		480000	5700	ug/Kg	250	✱	8270C	Total/NA
Benzo(k)fluoranthene - DL	1100000		480000	5200	ug/Kg	250	✱	8270C	Total/NA
Chrysene - DL	2000000		480000	4700	ug/Kg	250	✱	8270C	Total/NA
Dibenz(a,h)anthracene - DL	530000		480000	5600	ug/Kg	250	✱	8270C	Total/NA
Fluoranthene - DL	3700000		480000	6900	ug/Kg	250	✱	8270C	Total/NA
Fluorene - DL	910000		480000	11000	ug/Kg	250	✱	8270C	Total/NA
Indeno(1,2,3-c,d)pyrene - DL	1000000		480000	13000	ug/Kg	250	✱	8270C	Total/NA
Naphthalene - DL	2300000		480000	7900	ug/Kg	250	✱	8270C	Total/NA
Phenanthrene - DL	4000000		480000	10000	ug/Kg	250	✱	8270C	Total/NA
Pyrene - DL	2700000		480000	3100	ug/Kg	250	✱	8270C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: TRC Solutions, Inc.

TestAmerica Job ID: 480-37943-1

Project/Site: Troy Chevron Asphalt Terminal - 194098

Client Sample ID: DPT-25(22.0-23.0)

Lab Sample ID: 480-38154-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	750	J	2800	32	ug/Kg	10	✱	8270C	Total/NA
Acenaphthylene	350	J	2800	22	ug/Kg	10	✱	8270C	Total/NA
Anthracene	4300		2800	70	ug/Kg	10	✱	8270C	Total/NA
Benz(a)anthracene	8000		2800	47	ug/Kg	10	✱	8270C	Total/NA
Benzo(a)pyrene	5700		2800	66	ug/Kg	10	✱	8270C	Total/NA
Benzo(b)fluoranthene	8500		2800	53	ug/Kg	10	✱	8270C	Total/NA
Benzo(g,h,i)perylene	2000	J	2800	33	ug/Kg	10	✱	8270C	Total/NA
Benzo(k)fluoranthene	3700		2800	30	ug/Kg	10	✱	8270C	Total/NA
Chrysene	6400		2800	27	ug/Kg	10	✱	8270C	Total/NA
Dibenz(a,h)anthracene	2400	J	2800	32	ug/Kg	10	✱	8270C	Total/NA
Fluoranthene	17000		2800	40	ug/Kg	10	✱	8270C	Total/NA
Fluorene	6000		2800	63	ug/Kg	10	✱	8270C	Total/NA
Indeno(1,2,3-c,d)pyrene	3400		2800	76	ug/Kg	10	✱	8270C	Total/NA
Naphthalene	8100		2800	46	ug/Kg	10	✱	8270C	Total/NA
Phenanthrene	22000		2800	58	ug/Kg	10	✱	8270C	Total/NA
Pyrene	11000		2800	18	ug/Kg	10	✱	8270C	Total/NA

Client Sample ID: DPT-26(17.0-17.5)

Lab Sample ID: 480-38154-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	290		200	2.3	ug/Kg	1	✱	8270C	Total/NA
Benz(a)anthracene	80	J	200	3.4	ug/Kg	1	✱	8270C	Total/NA
Benzo(a)pyrene	69	J	200	4.8	ug/Kg	1	✱	8270C	Total/NA
Benzo(b)fluoranthene	200		200	3.9	ug/Kg	1	✱	8270C	Total/NA
Benzo(g,h,i)perylene	31	J	200	2.4	ug/Kg	1	✱	8270C	Total/NA
Benzo(k)fluoranthene	47	J	200	2.2	ug/Kg	1	✱	8270C	Total/NA
Chrysene	100	J	200	2.0	ug/Kg	1	✱	8270C	Total/NA
Dibenz(a,h)anthracene	150	J	200	2.3	ug/Kg	1	✱	8270C	Total/NA
Fluoranthene	180	J	200	2.9	ug/Kg	1	✱	8270C	Total/NA
Indeno(1,2,3-c,d)pyrene	160	J	200	5.5	ug/Kg	1	✱	8270C	Total/NA
Naphthalene	120	J	200	3.3	ug/Kg	1	✱	8270C	Total/NA
Phenanthrene	310		200	4.2	ug/Kg	1	✱	8270C	Total/NA
Pyrene	160	J	200	1.3	ug/Kg	1	✱	8270C	Total/NA

Client Sample ID: DPT-27(12.0-13.0)

Lab Sample ID: 480-38154-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	140	J	4000	47	ug/Kg	20	✱	8270C	Total/NA
Acenaphthylene	1200	J	4000	32	ug/Kg	20	✱	8270C	Total/NA
Anthracene	7800		4000	100	ug/Kg	20	✱	8270C	Total/NA
Benz(a)anthracene	20000		4000	68	ug/Kg	20	✱	8270C	Total/NA
Benzo(a)pyrene	15000		4000	95	ug/Kg	20	✱	8270C	Total/NA
Benzo(b)fluoranthene	20000		4000	77	ug/Kg	20	✱	8270C	Total/NA
Benzo(g,h,i)perylene	13000		4000	48	ug/Kg	20	✱	8270C	Total/NA
Benzo(k)fluoranthene	9800		4000	44	ug/Kg	20	✱	8270C	Total/NA
Chrysene	18000		4000	40	ug/Kg	20	✱	8270C	Total/NA
Dibenz(a,h)anthracene	4800		4000	47	ug/Kg	20	✱	8270C	Total/NA
Fluoranthene	44000		4000	57	ug/Kg	20	✱	8270C	Total/NA
Fluorene	820	J	4000	91	ug/Kg	20	✱	8270C	Total/NA
Indeno(1,2,3-c,d)pyrene	12000		4000	110	ug/Kg	20	✱	8270C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: TRC Solutions, Inc.

TestAmerica Job ID: 480-37943-1

Project/Site: Troy Chevron Asphalt Terminal - 194098

Client Sample ID: DPT-27(12.0-13.0) (Continued)

Lab Sample ID: 480-38154-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	1300	J	4000	66	ug/Kg	20	☼	8270C	Total/NA
Phenanthrene	33000		4000	83	ug/Kg	20	☼	8270C	Total/NA
Pyrene	33000		4000	26	ug/Kg	20	☼	8270C	Total/NA

Client Sample ID: DPT-27(22.0-22.5)

Lab Sample ID: 480-38154-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	17	J	200	2.3	ug/Kg	1	☼	8270C	Total/NA
Acenaphthylene	37	J	200	1.6	ug/Kg	1	☼	8270C	Total/NA
Anthracene	77	J	200	5.1	ug/Kg	1	☼	8270C	Total/NA
Benz(a)anthracene	120	J	200	3.4	ug/Kg	1	☼	8270C	Total/NA
Benzo(a)pyrene	73	J	200	4.8	ug/Kg	1	☼	8270C	Total/NA
Benzo(b)fluoranthene	200		200	3.8	ug/Kg	1	☼	8270C	Total/NA
Benzo(g,h,i)perylene	50	J	200	2.4	ug/Kg	1	☼	8270C	Total/NA
Benzo(k)fluoranthene	39	J	200	2.2	ug/Kg	1	☼	8270C	Total/NA
Chrysene	140	J	200	2.0	ug/Kg	1	☼	8270C	Total/NA
Dibenz(a,h)anthracene	150	J	200	2.3	ug/Kg	1	☼	8270C	Total/NA
Fluoranthene	230		200	2.9	ug/Kg	1	☼	8270C	Total/NA
Fluorene	150	J	200	4.5	ug/Kg	1	☼	8270C	Total/NA
Indeno(1,2,3-c,d)pyrene	170	J	200	5.5	ug/Kg	1	☼	8270C	Total/NA
Naphthalene	830		200	3.3	ug/Kg	1	☼	8270C	Total/NA
Phenanthrene	440		200	4.1	ug/Kg	1	☼	8270C	Total/NA
Pyrene	160	J	200	1.3	ug/Kg	1	☼	8270C	Total/NA

Client Sample ID: SPT-29(1.0-2.0)

Lab Sample ID: 480-38154-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylcyclohexane	1.9	J	5.5	0.84	ug/Kg	1	☼	8260B	Total/NA
Acenaphthylene	350	J	940	7.6	ug/Kg	5	☼	8270C	Total/NA
Anthracene	440	J	940	24	ug/Kg	5	☼	8270C	Total/NA
Benz(a)anthracene	2000		940	16	ug/Kg	5	☼	8270C	Total/NA
Benzo(a)pyrene	1500		940	22	ug/Kg	5	☼	8270C	Total/NA
Benzo(b)fluoranthene	2700		940	18	ug/Kg	5	☼	8270C	Total/NA
Benzo(g,h,i)perylene	750	J	940	11	ug/Kg	5	☼	8270C	Total/NA
Benzo(k)fluoranthene	860	J	940	10	ug/Kg	5	☼	8270C	Total/NA
Chrysene	1900		940	9.3	ug/Kg	5	☼	8270C	Total/NA
Dibenz(a,h)anthracene	830	J	940	11	ug/Kg	5	☼	8270C	Total/NA
Fluoranthene	3200		940	14	ug/Kg	5	☼	8270C	Total/NA
Fluorene	160	J	940	21	ug/Kg	5	☼	8270C	Total/NA
Indeno(1,2,3-c,d)pyrene	1200		940	26	ug/Kg	5	☼	8270C	Total/NA
Naphthalene	460	J	940	16	ug/Kg	5	☼	8270C	Total/NA
Phenanthrene	2400		940	20	ug/Kg	5	☼	8270C	Total/NA
Pyrene	2400		940	6.0	ug/Kg	5	☼	8270C	Total/NA

Client Sample ID: DPT-29(6.0-7.0)

Lab Sample ID: 480-38154-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	2.6	J	5.6	0.28	ug/Kg	1	☼	8260B	Total/NA
Toluene	1.3	J	5.6	0.43	ug/Kg	1	☼	8260B	Total/NA
Acenaphthene	130	J	190	2.2	ug/Kg	1	☼	8270C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: TRC Solutions, Inc.

TestAmerica Job ID: 480-37943-1

Project/Site: Troy Chevron Asphalt Terminal - 194098

Client Sample ID: DPT-29(6.0-7.0) (Continued)

Lab Sample ID: 480-38154-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthylene	360		190	1.5	ug/Kg	1	✱	8270C	Total/NA
Anthracene	760		190	4.8	ug/Kg	1	✱	8270C	Total/NA
Benz(a)anthracene	1700		190	3.3	ug/Kg	1	✱	8270C	Total/NA
Benzo(a)pyrene	1000		190	4.5	ug/Kg	1	✱	8270C	Total/NA
Benzo(b)fluoranthene	1400		190	3.7	ug/Kg	1	✱	8270C	Total/NA
Benzo(g,h,i)perylene	480		190	2.3	ug/Kg	1	✱	8270C	Total/NA
Benzo(k)fluoranthene	660		190	2.1	ug/Kg	1	✱	8270C	Total/NA
Chrysene	1500		190	1.9	ug/Kg	1	✱	8270C	Total/NA
Dibenz(a,h)anthracene	290		190	2.2	ug/Kg	1	✱	8270C	Total/NA
Fluoranthene	3900		190	2.7	ug/Kg	1	✱	8270C	Total/NA
Fluorene	1000		190	4.3	ug/Kg	1	✱	8270C	Total/NA
Indeno(1,2,3-c,d)pyrene	560		190	5.2	ug/Kg	1	✱	8270C	Total/NA
Naphthalene	5100		190	3.1	ug/Kg	1	✱	8270C	Total/NA
Phenanthrene	4700		190	4.0	ug/Kg	1	✱	8270C	Total/NA
Pyrene	2500		190	1.2	ug/Kg	1	✱	8270C	Total/NA

Client Sample ID: FD051013

Lab Sample ID: 480-38154-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	2.2	J	5.8	0.28	ug/Kg	1	✱	8260B	Total/NA
Toluene	1.1	J	5.8	0.44	ug/Kg	1	✱	8260B	Total/NA
Anthracene	9.8	J	190	4.9	ug/Kg	1	✱	8270C	Total/NA
Benzo(k)fluoranthene	2.9	J	190	2.1	ug/Kg	1	✱	8270C	Total/NA
Chrysene	7.9	J	190	1.9	ug/Kg	1	✱	8270C	Total/NA
Fluoranthene	21	J	190	2.8	ug/Kg	1	✱	8270C	Total/NA
Fluorene	12	J	190	4.4	ug/Kg	1	✱	8270C	Total/NA
Naphthalene	4500		190	3.2	ug/Kg	1	✱	8270C	Total/NA
Phenanthrene	59	J	190	4.0	ug/Kg	1	✱	8270C	Total/NA
Pyrene	13	J	190	1.2	ug/Kg	1	✱	8270C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Troy Chevron Asphalt Terminal - 194098

TestAmerica Job ID: 480-37943-1

Client Sample ID: DPT-01 (13-5-14.0)

Lab Sample ID: 480-37943-1

Date Collected: 05/06/13 09:15

Matrix: Solid

Date Received: 05/09/13 01:30

Percent Solids: 88.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	6.0	J	190	2.2	ug/Kg	☼	05/10/13 14:23	05/18/13 11:47	1
Acenaphthylene	32	J	190	1.5	ug/Kg	☼	05/10/13 14:23	05/18/13 11:47	1
Anthracene	ND		190	4.9	ug/Kg	☼	05/10/13 14:23	05/18/13 11:47	1
Benz(a)anthracene	ND		190	3.3	ug/Kg	☼	05/10/13 14:23	05/18/13 11:47	1
Benzo(a)pyrene	ND		190	4.6	ug/Kg	☼	05/10/13 14:23	05/18/13 11:47	1
Benzo(b)fluoranthene	ND		190	3.7	ug/Kg	☼	05/10/13 14:23	05/18/13 11:47	1
Benzo(g,h,i)perylene	ND		190	2.3	ug/Kg	☼	05/10/13 14:23	05/18/13 11:47	1
Benzo(k)fluoranthene	ND		190	2.1	ug/Kg	☼	05/10/13 14:23	05/18/13 11:47	1
Chrysene	ND		190	1.9	ug/Kg	☼	05/10/13 14:23	05/18/13 11:47	1
Dibenz(a,h)anthracene	ND		190	2.2	ug/Kg	☼	05/10/13 14:23	05/18/13 11:47	1
Fluoranthene	7.8	J	190	2.7	ug/Kg	☼	05/10/13 14:23	05/18/13 11:47	1
Fluorene	32	J	190	4.4	ug/Kg	☼	05/10/13 14:23	05/18/13 11:47	1
Indeno(1,2,3-c,d)pyrene	ND		190	5.2	ug/Kg	☼	05/10/13 14:23	05/18/13 11:47	1
Naphthalene	1300		190	3.2	ug/Kg	☼	05/10/13 14:23	05/18/13 11:47	1
Phenanthrene	32	J	190	4.0	ug/Kg	☼	05/10/13 14:23	05/18/13 11:47	1
Pyrene	ND		190	1.2	ug/Kg	☼	05/10/13 14:23	05/18/13 11:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	60		34 - 132				05/10/13 14:23	05/18/13 11:47	1
2-Fluorobiphenyl	66		37 - 120				05/10/13 14:23	05/18/13 11:47	1
p-Terphenyl-d14	97		65 - 153				05/10/13 14:23	05/18/13 11:47	1

Client Sample ID: DPT-02 (4.5-5.0)

Lab Sample ID: 480-37943-2

Date Collected: 05/06/13 11:00

Matrix: Solid

Date Received: 05/09/13 01:30

Percent Solids: 69.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2800	780	ug/Kg	☼	05/10/13 18:05	05/13/13 11:26	20
1,1,1,2-Tetrachloroethane	ND		2800	460	ug/Kg	☼	05/10/13 18:05	05/13/13 11:26	20
1,1,2-Trichloroethane	ND		2800	590	ug/Kg	☼	05/10/13 18:05	05/13/13 11:26	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2800	1400	ug/Kg	☼	05/10/13 18:05	05/13/13 11:26	20
1,1-Dichloroethane	ND		2800	870	ug/Kg	☼	05/10/13 18:05	05/13/13 11:26	20
1,1-Dichloroethene	ND		2800	980	ug/Kg	☼	05/10/13 18:05	05/13/13 11:26	20
1,2,4-Trichlorobenzene	ND		2800	1100	ug/Kg	☼	05/10/13 18:05	05/13/13 11:26	20
1,2-Dibromo-3-Chloropropane	ND		2800	1400	ug/Kg	☼	05/10/13 18:05	05/13/13 11:26	20
1,2-Dibromoethane	ND		2800	110	ug/Kg	☼	05/10/13 18:05	05/13/13 11:26	20
1,2-Dichlorobenzene	ND		2800	720	ug/Kg	☼	05/10/13 18:05	05/13/13 11:26	20
1,2-Dichloroethane	ND		2800	1200	ug/Kg	☼	05/10/13 18:05	05/13/13 11:26	20
1,2-Dichloropropane	ND		2800	460	ug/Kg	☼	05/10/13 18:05	05/13/13 11:26	20
1,3-Dichlorobenzene	ND		2800	760	ug/Kg	☼	05/10/13 18:05	05/13/13 11:26	20
1,4-Dichlorobenzene	ND		2800	400	ug/Kg	☼	05/10/13 18:05	05/13/13 11:26	20
2-Hexanone	ND		14000	5800	ug/Kg	☼	05/10/13 18:05	05/13/13 11:26	20
2-Butanone (MEK)	ND		14000	8400	ug/Kg	☼	05/10/13 18:05	05/13/13 11:26	20
4-Methyl-2-pentanone (MIBK)	ND		14000	900	ug/Kg	☼	05/10/13 18:05	05/13/13 11:26	20
Acetone	ND		14000	12000	ug/Kg	☼	05/10/13 18:05	05/13/13 11:26	20
Benzene	6600		2800	140	ug/Kg	☼	05/10/13 18:05	05/13/13 11:26	20
Bromodichloromethane	ND		2800	570	ug/Kg	☼	05/10/13 18:05	05/13/13 11:26	20
Bromoform	ND		2800	1400	ug/Kg	☼	05/10/13 18:05	05/13/13 11:26	20
Bromomethane	ND		2800	620	ug/Kg	☼	05/10/13 18:05	05/13/13 11:26	20

TestAmerica Buffalo

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Troy Chevron Asphalt Terminal - 194098

TestAmerica Job ID: 480-37943-1

Client Sample ID: DPT-02 (4.5-5.0)

Lab Sample ID: 480-37943-2

Date Collected: 05/06/13 11:00

Matrix: Solid

Date Received: 05/09/13 01:30

Percent Solids: 69.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		2800	1300	ug/Kg	☼	05/10/13 18:05	05/13/13 11:26	20
Carbon tetrachloride	ND		2800	720	ug/Kg	☼	05/10/13 18:05	05/13/13 11:26	20
Chlorobenzene	ND		2800	370	ug/Kg	☼	05/10/13 18:05	05/13/13 11:26	20
Dibromochloromethane	ND		2800	1400	ug/Kg	☼	05/10/13 18:05	05/13/13 11:26	20
Chloroethane	ND		2800	590	ug/Kg	☼	05/10/13 18:05	05/13/13 11:26	20
Chloroform	ND		2800	1900	ug/Kg	☼	05/10/13 18:05	05/13/13 11:26	20
Chloromethane	ND		2800	670	ug/Kg	☼	05/10/13 18:05	05/13/13 11:26	20
cis-1,2-Dichloroethene	ND		2800	780	ug/Kg	☼	05/10/13 18:05	05/13/13 11:26	20
cis-1,3-Dichloropropene	ND		2800	680	ug/Kg	☼	05/10/13 18:05	05/13/13 11:26	20
Cyclohexane	ND		2800	630	ug/Kg	☼	05/10/13 18:05	05/13/13 11:26	20
Dichlorodifluoromethane	ND		2800	1200	ug/Kg	☼	05/10/13 18:05	05/13/13 11:26	20
Ethylbenzene	880	J	2800	820	ug/Kg	☼	05/10/13 18:05	05/13/13 11:26	20
Isopropylbenzene	ND		2800	420	ug/Kg	☼	05/10/13 18:05	05/13/13 11:26	20
Methyl acetate	ND		2800	1300	ug/Kg	☼	05/10/13 18:05	05/13/13 11:26	20
Methyl tert-butyl ether	ND		2800	1100	ug/Kg	☼	05/10/13 18:05	05/13/13 11:26	20
Methylcyclohexane	ND		2800	1300	ug/Kg	☼	05/10/13 18:05	05/13/13 11:26	20
Methylene Chloride	ND		2800	560	ug/Kg	☼	05/10/13 18:05	05/13/13 11:26	20
Styrene	ND		2800	680	ug/Kg	☼	05/10/13 18:05	05/13/13 11:26	20
Tetrachloroethene	ND		2800	380	ug/Kg	☼	05/10/13 18:05	05/13/13 11:26	20
Toluene	12000		2800	760	ug/Kg	☼	05/10/13 18:05	05/13/13 11:26	20
trans-1,2-Dichloroethene	ND		2800	670	ug/Kg	☼	05/10/13 18:05	05/13/13 11:26	20
trans-1,3-Dichloropropene	ND		2800	140	ug/Kg	☼	05/10/13 18:05	05/13/13 11:26	20
Trichloroethene	ND		2800	790	ug/Kg	☼	05/10/13 18:05	05/13/13 11:26	20
Trichlorofluoromethane	ND		2800	1300	ug/Kg	☼	05/10/13 18:05	05/13/13 11:26	20
Vinyl chloride	ND		2800	950	ug/Kg	☼	05/10/13 18:05	05/13/13 11:26	20
Xylenes, Total	33000		5700	480	ug/Kg	☼	05/10/13 18:05	05/13/13 11:26	20

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Indene	210000	T J N	ug/Kg	☼	11.45	95-13-6	05/10/13 18:05	05/13/13 11:26	20
Benzofuran, 2-methyl-	42000	T J N	ug/Kg	☼	12.08	4265-25-2	05/10/13 18:05	05/13/13 11:26	20
2-Methylindene	41000	T J N	ug/Kg	☼	12.58	2177-47-1	05/10/13 18:05	05/13/13 11:26	20
Naphthalene	1100000	E	ug/Kg	☼	12.99	91-20-3	05/10/13 18:05	05/13/13 11:26	20
Benzo[c]thiophene	77000	T J N	ug/Kg	☼	13.10	270-82-6	05/10/13 18:05	05/13/13 11:26	20
Naphthalene, 2-methyl-	700000	T J N	ug/Kg	☼	13.90	91-57-6	05/10/13 18:05	05/13/13 11:26	20
Naphthalene, 2-methyl-	300000	T J N	ug/Kg	☼	14.05	91-57-6	05/10/13 18:05	05/13/13 11:26	20
Biphenyl	65000	T J N	ug/Kg	☼	14.47	92-52-4	05/10/13 18:05	05/13/13 11:26	20
Naphthalene, 2,7-dimethyl-	98000	T J N	ug/Kg	☼	14.73	582-16-1	05/10/13 18:05	05/13/13 11:26	20
Naphthalene, 2,3-dimethyl-	110000	T J N	ug/Kg	☼	14.86	581-40-8	05/10/13 18:05	05/13/13 11:26	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		53 - 146	05/10/13 18:05	05/13/13 11:26	20
Toluene-d8 (Surr)	97		50 - 149	05/10/13 18:05	05/13/13 11:26	20
4-Bromofluorobenzene (Surr)	100		49 - 148	05/10/13 18:05	05/13/13 11:26	20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	58000	J	380000	4500	ug/Kg	☼	05/10/13 14:23	05/18/13 12:11	400
Acenaphthylene	500000		380000	3100	ug/Kg	☼	05/10/13 14:23	05/18/13 12:11	400
Anthracene	880000		380000	9700	ug/Kg	☼	05/10/13 14:23	05/18/13 12:11	400
Benz(a)anthracene	970000		380000	6500	ug/Kg	☼	05/10/13 14:23	05/18/13 12:11	400

TestAmerica Buffalo

Client Sample Results

Client: TRC Solutions, Inc.

TestAmerica Job ID: 480-37943-1

Project/Site: Troy Chevron Asphalt Terminal - 194098

Client Sample ID: DPT-02 (4.5-5.0)

Lab Sample ID: 480-37943-2

Date Collected: 05/06/13 11:00

Matrix: Solid

Date Received: 05/09/13 01:30

Percent Solids: 69.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo(a)pyrene	550000		380000	9100	ug/Kg	☆	05/10/13 14:23	05/18/13 12:11	400
Benzo(b)fluoranthene	830000		380000	7400	ug/Kg	☆	05/10/13 14:23	05/18/13 12:11	400
Benzo(g,h,i)perylene	310000	J	380000	4600	ug/Kg	☆	05/10/13 14:23	05/18/13 12:11	400
Benzo(k)fluoranthene	310000	J	380000	4200	ug/Kg	☆	05/10/13 14:23	05/18/13 12:11	400
Chrysene	720000		380000	3800	ug/Kg	☆	05/10/13 14:23	05/18/13 12:11	400
Dibenz(a,h)anthracene	340000	J	380000	4500	ug/Kg	☆	05/10/13 14:23	05/18/13 12:11	400
Fluoranthene	1900000		380000	5500	ug/Kg	☆	05/10/13 14:23	05/18/13 12:11	400
Fluorene	1000000		380000	8700	ug/Kg	☆	05/10/13 14:23	05/18/13 12:11	400
Indeno(1,2,3-c,d)pyrene	500000		380000	10000	ug/Kg	☆	05/10/13 14:23	05/18/13 12:11	400
Naphthalene	2300000		380000	6300	ug/Kg	☆	05/10/13 14:23	05/18/13 12:11	400
Phenanthrene	3000000		380000	8000	ug/Kg	☆	05/10/13 14:23	05/18/13 12:11	400
Pyrene	1400000		380000	2500	ug/Kg	☆	05/10/13 14:23	05/18/13 12:11	400

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	0	X	34 - 132	05/10/13 14:23	05/18/13 12:11	400
2-Fluorobiphenyl	0	X	37 - 120	05/10/13 14:23	05/18/13 12:11	400
p-Terphenyl-d14	0	X	65 - 153	05/10/13 14:23	05/18/13 12:11	400

Client Sample ID: DPT-03 (14.5-15.0)

Lab Sample ID: 480-37943-3

Date Collected: 05/06/13 11:35

Matrix: Solid

Date Received: 05/09/13 01:30

Percent Solids: 86.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	7.2	J	200	2.3	ug/Kg	☆	05/10/13 14:23	05/18/13 12:35	1
Acenaphthylene	30	J	200	1.6	ug/Kg	☆	05/10/13 14:23	05/18/13 12:35	1
Anthracene	64	J	200	5.0	ug/Kg	☆	05/10/13 14:23	05/18/13 12:35	1
Benz(a)anthracene	350		200	3.4	ug/Kg	☆	05/10/13 14:23	05/18/13 12:35	1
Benzo(a)pyrene	220		200	4.7	ug/Kg	☆	05/10/13 14:23	05/18/13 12:35	1
Benzo(b)fluoranthene	430		200	3.8	ug/Kg	☆	05/10/13 14:23	05/18/13 12:35	1
Benzo(g,h,i)perylene	150	J	200	2.3	ug/Kg	☆	05/10/13 14:23	05/18/13 12:35	1
Benzo(k)fluoranthene	150	J	200	2.1	ug/Kg	☆	05/10/13 14:23	05/18/13 12:35	1
Chrysene	370		200	1.9	ug/Kg	☆	05/10/13 14:23	05/18/13 12:35	1
Dibenz(a,h)anthracene	170	J	200	2.3	ug/Kg	☆	05/10/13 14:23	05/18/13 12:35	1
Fluoranthene	490		200	2.8	ug/Kg	☆	05/10/13 14:23	05/18/13 12:35	1
Fluorene	22	J	200	4.5	ug/Kg	☆	05/10/13 14:23	05/18/13 12:35	1
Indeno(1,2,3-c,d)pyrene	240		200	5.4	ug/Kg	☆	05/10/13 14:23	05/18/13 12:35	1
Naphthalene	190	J	200	3.2	ug/Kg	☆	05/10/13 14:23	05/18/13 12:35	1
Phenanthrene	270		200	4.1	ug/Kg	☆	05/10/13 14:23	05/18/13 12:35	1
Pyrene	400		200	1.3	ug/Kg	☆	05/10/13 14:23	05/18/13 12:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	60		34 - 132	05/10/13 14:23	05/18/13 12:35	1
2-Fluorobiphenyl	66		37 - 120	05/10/13 14:23	05/18/13 12:35	1
p-Terphenyl-d14	89		65 - 153	05/10/13 14:23	05/18/13 12:35	1

TestAmerica Buffalo

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Troy Chevron Asphalt Terminal - 194098

TestAmerica Job ID: 480-37943-1

Client Sample ID: DPT-05 (2.5-3.0)

Lab Sample ID: 480-37943-4

Date Collected: 05/06/13 13:30

Matrix: Solid

Date Received: 05/09/13 01:30

Percent Solids: 87.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		190	2.3	ug/Kg	☼	05/10/13 14:23	05/18/13 12:59	1
Acenaphthylene	25	J	190	1.6	ug/Kg	☼	05/10/13 14:23	05/18/13 12:59	1
Anthracene	9.5	J	190	4.9	ug/Kg	☼	05/10/13 14:23	05/18/13 12:59	1
Benz(a)anthracene	67	J	190	3.3	ug/Kg	☼	05/10/13 14:23	05/18/13 12:59	1
Benzo(a)pyrene	91	J	190	4.6	ug/Kg	☼	05/10/13 14:23	05/18/13 12:59	1
Benzo(b)fluoranthene	200		190	3.7	ug/Kg	☼	05/10/13 14:23	05/18/13 12:59	1
Benzo(g,h,i)perylene	110	J	190	2.3	ug/Kg	☼	05/10/13 14:23	05/18/13 12:59	1
Benzo(k)fluoranthene	48	J	190	2.1	ug/Kg	☼	05/10/13 14:23	05/18/13 12:59	1
Chrysene	55	J	190	1.9	ug/Kg	☼	05/10/13 14:23	05/18/13 12:59	1
Dibenz(a,h)anthracene	160	J	190	2.3	ug/Kg	☼	05/10/13 14:23	05/18/13 12:59	1
Fluoranthene	57	J	190	2.8	ug/Kg	☼	05/10/13 14:23	05/18/13 12:59	1
Fluorene	ND		190	4.4	ug/Kg	☼	05/10/13 14:23	05/18/13 12:59	1
Indeno(1,2,3-c,d)pyrene	210		190	5.3	ug/Kg	☼	05/10/13 14:23	05/18/13 12:59	1
Naphthalene	22	J	190	3.2	ug/Kg	☼	05/10/13 14:23	05/18/13 12:59	1
Phenanthrene	44	J	190	4.0	ug/Kg	☼	05/10/13 14:23	05/18/13 12:59	1
Pyrene	42	J	190	1.2	ug/Kg	☼	05/10/13 14:23	05/18/13 12:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	52		34 - 132	05/10/13 14:23	05/18/13 12:59	1
2-Fluorobiphenyl	55		37 - 120	05/10/13 14:23	05/18/13 12:59	1
p-Terphenyl-d14	72		65 - 153	05/10/13 14:23	05/18/13 12:59	1

Client Sample ID: DPT-05 (22.5-23.0)

Lab Sample ID: 480-37943-5

Date Collected: 05/06/13 13:40

Matrix: Solid

Date Received: 05/09/13 01:30

Percent Solids: 91.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.3	0.39	ug/Kg	☼	05/20/13 15:35	05/20/13 23:42	1
1,1,2,2-Tetrachloroethane	ND		5.3	0.86	ug/Kg	☼	05/20/13 15:35	05/20/13 23:42	1
1,1,2-Trichloroethane	ND		5.3	0.69	ug/Kg	☼	05/20/13 15:35	05/20/13 23:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.3	1.2	ug/Kg	☼	05/20/13 15:35	05/20/13 23:42	1
1,1-Dichloroethane	ND		5.3	0.65	ug/Kg	☼	05/20/13 15:35	05/20/13 23:42	1
1,1-Dichloroethene	ND		5.3	0.65	ug/Kg	☼	05/20/13 15:35	05/20/13 23:42	1
1,2,4-Trichlorobenzene	ND		5.3	0.32	ug/Kg	☼	05/20/13 15:35	05/20/13 23:42	1
1,2-Dibromo-3-Chloropropane	ND		5.3	2.7	ug/Kg	☼	05/20/13 15:35	05/20/13 23:42	1
1,2-Dibromoethane	ND		5.3	0.68	ug/Kg	☼	05/20/13 15:35	05/20/13 23:42	1
1,2-Dichlorobenzene	ND		5.3	0.42	ug/Kg	☼	05/20/13 15:35	05/20/13 23:42	1
1,2-Dichloroethane	ND		5.3	0.27	ug/Kg	☼	05/20/13 15:35	05/20/13 23:42	1
1,2-Dichloropropane	ND		5.3	2.7	ug/Kg	☼	05/20/13 15:35	05/20/13 23:42	1
1,3-Dichlorobenzene	ND		5.3	0.27	ug/Kg	☼	05/20/13 15:35	05/20/13 23:42	1
1,4-Dichlorobenzene	ND		5.3	0.75	ug/Kg	☼	05/20/13 15:35	05/20/13 23:42	1
2-Hexanone	ND		27	2.7	ug/Kg	☼	05/20/13 15:35	05/20/13 23:42	1
2-Butanone (MEK)	ND		27	2.0	ug/Kg	☼	05/20/13 15:35	05/20/13 23:42	1
4-Methyl-2-pentanone (MIBK)	ND		27	1.7	ug/Kg	☼	05/20/13 15:35	05/20/13 23:42	1
Acetone	ND		27	4.5	ug/Kg	☼	05/20/13 15:35	05/20/13 23:42	1
Benzene	ND		5.3	0.26	ug/Kg	☼	05/20/13 15:35	05/20/13 23:42	1
Bromodichloromethane	ND		5.3	0.71	ug/Kg	☼	05/20/13 15:35	05/20/13 23:42	1
Bromoform	ND		5.3	2.7	ug/Kg	☼	05/20/13 15:35	05/20/13 23:42	1
Bromomethane	ND		5.3	0.48	ug/Kg	☼	05/20/13 15:35	05/20/13 23:42	1

TestAmerica Buffalo

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Troy Chevron Asphalt Terminal - 194098

TestAmerica Job ID: 480-37943-1

Client Sample ID: DPT-05 (22.5-23.0)

Lab Sample ID: 480-37943-5

Date Collected: 05/06/13 13:40

Matrix: Solid

Date Received: 05/09/13 01:30

Percent Solids: 91.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		5.3	2.7	ug/Kg	☼	05/20/13 15:35	05/20/13 23:42	1
Carbon tetrachloride	ND		5.3	0.52	ug/Kg	☼	05/20/13 15:35	05/20/13 23:42	1
Chlorobenzene	ND		5.3	0.70	ug/Kg	☼	05/20/13 15:35	05/20/13 23:42	1
Dibromochloromethane	ND		5.3	0.68	ug/Kg	☼	05/20/13 15:35	05/20/13 23:42	1
Chloroethane	ND		5.3	1.2	ug/Kg	☼	05/20/13 15:35	05/20/13 23:42	1
Chloroform	ND		5.3	0.33	ug/Kg	☼	05/20/13 15:35	05/20/13 23:42	1
Chloromethane	ND		5.3	0.32	ug/Kg	☼	05/20/13 15:35	05/20/13 23:42	1
cis-1,2-Dichloroethene	ND		5.3	0.68	ug/Kg	☼	05/20/13 15:35	05/20/13 23:42	1
cis-1,3-Dichloropropene	ND		5.3	0.77	ug/Kg	☼	05/20/13 15:35	05/20/13 23:42	1
Cyclohexane	ND		5.3	0.75	ug/Kg	☼	05/20/13 15:35	05/20/13 23:42	1
Dichlorodifluoromethane	ND		5.3	0.44	ug/Kg	☼	05/20/13 15:35	05/20/13 23:42	1
Ethylbenzene	0.49	J	5.3	0.37	ug/Kg	☼	05/20/13 15:35	05/20/13 23:42	1
Isopropylbenzene	ND		5.3	0.80	ug/Kg	☼	05/20/13 15:35	05/20/13 23:42	1
Methyl acetate	ND		5.3	0.99	ug/Kg	☼	05/20/13 15:35	05/20/13 23:42	1
Methyl tert-butyl ether	ND		5.3	0.52	ug/Kg	☼	05/20/13 15:35	05/20/13 23:42	1
Methylcyclohexane	ND		5.3	0.81	ug/Kg	☼	05/20/13 15:35	05/20/13 23:42	1
Methylene Chloride	ND		5.3	2.5	ug/Kg	☼	05/20/13 15:35	05/20/13 23:42	1
Styrene	ND		5.3	0.27	ug/Kg	☼	05/20/13 15:35	05/20/13 23:42	1
Tetrachloroethene	ND		5.3	0.72	ug/Kg	☼	05/20/13 15:35	05/20/13 23:42	1
Toluene	ND		5.3	0.40	ug/Kg	☼	05/20/13 15:35	05/20/13 23:42	1
trans-1,2-Dichloroethene	ND		5.3	0.55	ug/Kg	☼	05/20/13 15:35	05/20/13 23:42	1
trans-1,3-Dichloropropene	ND		5.3	2.3	ug/Kg	☼	05/20/13 15:35	05/20/13 23:42	1
Trichloroethene	ND		5.3	1.2	ug/Kg	☼	05/20/13 15:35	05/20/13 23:42	1
Trichlorofluoromethane	ND		5.3	0.50	ug/Kg	☼	05/20/13 15:35	05/20/13 23:42	1
Vinyl chloride	ND		5.3	0.65	ug/Kg	☼	05/20/13 15:35	05/20/13 23:42	1
Xylenes, Total	1.7	J	11	0.90	ug/Kg	☼	05/20/13 15:35	05/20/13 23:42	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Disiloxane, hexamethyl-	5.4	T J N	ug/Kg	☼	5.06	107-46-0	05/20/13 15:35	05/20/13 23:42	1
1,2,4-Trimethylbenzene	1.1	J	ug/Kg	☼	10.32	95-63-6	05/20/13 15:35	05/20/13 23:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		64 - 126	05/20/13 15:35	05/20/13 23:42	1
Toluene-d8 (Surr)	98		71 - 125	05/20/13 15:35	05/20/13 23:42	1
4-Bromofluorobenzene (Surr)	94		72 - 126	05/20/13 15:35	05/20/13 23:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		180	2.1	ug/Kg	☼	05/10/13 14:23	05/18/13 13:24	1
Acenaphthylene	ND		180	1.5	ug/Kg	☼	05/10/13 14:23	05/18/13 13:24	1
Anthracene	ND		180	4.6	ug/Kg	☼	05/10/13 14:23	05/18/13 13:24	1
Benz(a)anthracene	23	J	180	3.1	ug/Kg	☼	05/10/13 14:23	05/18/13 13:24	1
Benzo(a)pyrene	19	J	180	4.4	ug/Kg	☼	05/10/13 14:23	05/18/13 13:24	1
Benzo(b)fluoranthene	120	J	180	3.5	ug/Kg	☼	05/10/13 14:23	05/18/13 13:24	1
Benzo(g,h,i)perylene	28	J	180	2.2	ug/Kg	☼	05/10/13 14:23	05/18/13 13:24	1
Benzo(k)fluoranthene	13	J	180	2.0	ug/Kg	☼	05/10/13 14:23	05/18/13 13:24	1
Chrysene	44	J	180	1.8	ug/Kg	☼	05/10/13 14:23	05/18/13 13:24	1
Dibenz(a,h)anthracene	130	J	180	2.1	ug/Kg	☼	05/10/13 14:23	05/18/13 13:24	1
Fluoranthene	24	J	180	2.6	ug/Kg	☼	05/10/13 14:23	05/18/13 13:24	1
Fluorene	ND		180	4.2	ug/Kg	☼	05/10/13 14:23	05/18/13 13:24	1

TestAmerica Buffalo

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Troy Chevron Asphalt Terminal - 194098

TestAmerica Job ID: 480-37943-1

Client Sample ID: DPT-05 (22.5-23.0)

Lab Sample ID: 480-37943-5

Date Collected: 05/06/13 13:40

Matrix: Solid

Date Received: 05/09/13 01:30

Percent Solids: 91.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno(1,2,3-c,d)pyrene	140	J	180	5.0	ug/Kg	☼	05/10/13 14:23	05/18/13 13:24	1
Naphthalene	ND		180	3.0	ug/Kg	☼	05/10/13 14:23	05/18/13 13:24	1
Phenanthrene	20	J	180	3.8	ug/Kg	☼	05/10/13 14:23	05/18/13 13:24	1
Pyrene	23	J	180	1.2	ug/Kg	☼	05/10/13 14:23	05/18/13 13:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	64		34 - 132				05/10/13 14:23	05/18/13 13:24	1
2-Fluorobiphenyl	70		37 - 120				05/10/13 14:23	05/18/13 13:24	1
p-Terphenyl-d14	98		65 - 153				05/10/13 14:23	05/18/13 13:24	1

Client Sample ID: DPT-07 (11.0-11.5)

Lab Sample ID: 480-37943-6

Date Collected: 05/07/13 09:30

Matrix: Solid

Date Received: 05/09/13 01:30

Percent Solids: 84.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		200	2.4	ug/Kg	☼	05/10/13 14:23	05/18/13 13:48	1
Acenaphthylene	ND		200	1.6	ug/Kg	☼	05/10/13 14:23	05/18/13 13:48	1
Anthracene	ND		200	5.1	ug/Kg	☼	05/10/13 14:23	05/18/13 13:48	1
Benz(a)anthracene	ND		200	3.5	ug/Kg	☼	05/10/13 14:23	05/18/13 13:48	1
Benzo(a)pyrene	ND		200	4.8	ug/Kg	☼	05/10/13 14:23	05/18/13 13:48	1
Benzo(b)fluoranthene	ND		200	3.9	ug/Kg	☼	05/10/13 14:23	05/18/13 13:48	1
Benzo(g,h,i)perylene	ND		200	2.4	ug/Kg	☼	05/10/13 14:23	05/18/13 13:48	1
Benzo(k)fluoranthene	ND		200	2.2	ug/Kg	☼	05/10/13 14:23	05/18/13 13:48	1
Chrysene	ND		200	2.0	ug/Kg	☼	05/10/13 14:23	05/18/13 13:48	1
Dibenz(a,h)anthracene	ND		200	2.4	ug/Kg	☼	05/10/13 14:23	05/18/13 13:48	1
Fluoranthene	5.8	J	200	2.9	ug/Kg	☼	05/10/13 14:23	05/18/13 13:48	1
Fluorene	ND		200	4.6	ug/Kg	☼	05/10/13 14:23	05/18/13 13:48	1
Indeno(1,2,3-c,d)pyrene	ND		200	5.5	ug/Kg	☼	05/10/13 14:23	05/18/13 13:48	1
Naphthalene	ND		200	3.3	ug/Kg	☼	05/10/13 14:23	05/18/13 13:48	1
Phenanthrene	11	J	200	4.2	ug/Kg	☼	05/10/13 14:23	05/18/13 13:48	1
Pyrene	ND		200	1.3	ug/Kg	☼	05/10/13 14:23	05/18/13 13:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	59		34 - 132				05/10/13 14:23	05/18/13 13:48	1
2-Fluorobiphenyl	66		37 - 120				05/10/13 14:23	05/18/13 13:48	1
p-Terphenyl-d14	86		65 - 153				05/10/13 14:23	05/18/13 13:48	1

Client Sample ID: DPT-08 (3.5-4.0)

Lab Sample ID: 480-37943-7

Date Collected: 05/07/13 10:30

Matrix: Solid

Date Received: 05/09/13 01:30

Percent Solids: 85.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.8	0.42	ug/Kg	☼	05/20/13 15:35	05/21/13 00:08	1
1,1,2,2-Tetrachloroethane	ND		5.8	0.93	ug/Kg	☼	05/20/13 15:35	05/21/13 00:08	1
1,1,2-Trichloroethane	ND		5.8	0.75	ug/Kg	☼	05/20/13 15:35	05/21/13 00:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.8	1.3	ug/Kg	☼	05/20/13 15:35	05/21/13 00:08	1
1,1-Dichloroethane	ND		5.8	0.70	ug/Kg	☼	05/20/13 15:35	05/21/13 00:08	1
1,1-Dichloroethene	ND		5.8	0.70	ug/Kg	☼	05/20/13 15:35	05/21/13 00:08	1

TestAmerica Buffalo

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Troy Chevron Asphalt Terminal - 194098

TestAmerica Job ID: 480-37943-1

Client Sample ID: DPT-08 (3.5-4.0)

Lab Sample ID: 480-37943-7

Date Collected: 05/07/13 10:30

Matrix: Solid

Date Received: 05/09/13 01:30

Percent Solids: 85.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		5.8	0.35	ug/Kg	☼	05/20/13 15:35	05/21/13 00:08	1
1,2-Dibromo-3-Chloropropane	ND		5.8	2.9	ug/Kg	☼	05/20/13 15:35	05/21/13 00:08	1
1,2-Dibromoethane	ND		5.8	0.74	ug/Kg	☼	05/20/13 15:35	05/21/13 00:08	1
1,2-Dichlorobenzene	ND		5.8	0.45	ug/Kg	☼	05/20/13 15:35	05/21/13 00:08	1
1,2-Dichloroethane	ND		5.8	0.29	ug/Kg	☼	05/20/13 15:35	05/21/13 00:08	1
1,2-Dichloropropane	ND		5.8	2.9	ug/Kg	☼	05/20/13 15:35	05/21/13 00:08	1
1,3-Dichlorobenzene	ND		5.8	0.30	ug/Kg	☼	05/20/13 15:35	05/21/13 00:08	1
1,4-Dichlorobenzene	ND		5.8	0.81	ug/Kg	☼	05/20/13 15:35	05/21/13 00:08	1
2-Hexanone	ND		29	2.9	ug/Kg	☼	05/20/13 15:35	05/21/13 00:08	1
2-Butanone (MEK)	ND		29	2.1	ug/Kg	☼	05/20/13 15:35	05/21/13 00:08	1
4-Methyl-2-pentanone (MIBK)	ND		29	1.9	ug/Kg	☼	05/20/13 15:35	05/21/13 00:08	1
Acetone	5.8	J	29	4.8	ug/Kg	☼	05/20/13 15:35	05/21/13 00:08	1
Benzene	ND		5.8	0.28	ug/Kg	☼	05/20/13 15:35	05/21/13 00:08	1
Bromodichloromethane	ND		5.8	0.77	ug/Kg	☼	05/20/13 15:35	05/21/13 00:08	1
Bromoform	ND		5.8	2.9	ug/Kg	☼	05/20/13 15:35	05/21/13 00:08	1
Bromomethane	ND		5.8	0.52	ug/Kg	☼	05/20/13 15:35	05/21/13 00:08	1
Carbon disulfide	ND		5.8	2.9	ug/Kg	☼	05/20/13 15:35	05/21/13 00:08	1
Carbon tetrachloride	ND		5.8	0.56	ug/Kg	☼	05/20/13 15:35	05/21/13 00:08	1
Chlorobenzene	ND		5.8	0.76	ug/Kg	☼	05/20/13 15:35	05/21/13 00:08	1
Dibromochloromethane	ND		5.8	0.74	ug/Kg	☼	05/20/13 15:35	05/21/13 00:08	1
Chloroethane	ND		5.8	1.3	ug/Kg	☼	05/20/13 15:35	05/21/13 00:08	1
Chloroform	ND		5.8	0.36	ug/Kg	☼	05/20/13 15:35	05/21/13 00:08	1
Chloromethane	ND		5.8	0.35	ug/Kg	☼	05/20/13 15:35	05/21/13 00:08	1
cis-1,2-Dichloroethene	ND		5.8	0.74	ug/Kg	☼	05/20/13 15:35	05/21/13 00:08	1
cis-1,3-Dichloropropene	ND		5.8	0.83	ug/Kg	☼	05/20/13 15:35	05/21/13 00:08	1
Cyclohexane	ND		5.8	0.81	ug/Kg	☼	05/20/13 15:35	05/21/13 00:08	1
Dichlorodifluoromethane	ND		5.8	0.48	ug/Kg	☼	05/20/13 15:35	05/21/13 00:08	1
Ethylbenzene	ND		5.8	0.40	ug/Kg	☼	05/20/13 15:35	05/21/13 00:08	1
Isopropylbenzene	ND		5.8	0.87	ug/Kg	☼	05/20/13 15:35	05/21/13 00:08	1
Methyl acetate	ND		5.8	1.1	ug/Kg	☼	05/20/13 15:35	05/21/13 00:08	1
Methyl tert-butyl ether	ND		5.8	0.57	ug/Kg	☼	05/20/13 15:35	05/21/13 00:08	1
Methylcyclohexane	ND		5.8	0.87	ug/Kg	☼	05/20/13 15:35	05/21/13 00:08	1
Methylene Chloride	ND		5.8	2.6	ug/Kg	☼	05/20/13 15:35	05/21/13 00:08	1
Styrene	ND		5.8	0.29	ug/Kg	☼	05/20/13 15:35	05/21/13 00:08	1
Tetrachloroethene	ND		5.8	0.77	ug/Kg	☼	05/20/13 15:35	05/21/13 00:08	1
Toluene	ND		5.8	0.44	ug/Kg	☼	05/20/13 15:35	05/21/13 00:08	1
trans-1,2-Dichloroethene	ND		5.8	0.59	ug/Kg	☼	05/20/13 15:35	05/21/13 00:08	1
trans-1,3-Dichloropropene	ND		5.8	2.5	ug/Kg	☼	05/20/13 15:35	05/21/13 00:08	1
Trichloroethene	2.0	J	5.8	1.3	ug/Kg	☼	05/20/13 15:35	05/21/13 00:08	1
Trichlorofluoromethane	ND		5.8	0.54	ug/Kg	☼	05/20/13 15:35	05/21/13 00:08	1
Vinyl chloride	ND		5.8	0.70	ug/Kg	☼	05/20/13 15:35	05/21/13 00:08	1
Xylenes, Total	ND		12	0.97	ug/Kg	☼	05/20/13 15:35	05/21/13 00:08	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼			05/20/13 15:35	05/21/13 00:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		64 - 126	05/20/13 15:35	05/21/13 00:08	1
Toluene-d8 (Surr)	99		71 - 125	05/20/13 15:35	05/21/13 00:08	1
4-Bromofluorobenzene (Surr)	94		72 - 126	05/20/13 15:35	05/21/13 00:08	1

TestAmerica Buffalo

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Troy Chevron Asphalt Terminal - 194098

TestAmerica Job ID: 480-37943-1

Client Sample ID: DPT-08 (3.5-4.0)

Lab Sample ID: 480-37943-7

Date Collected: 05/07/13 10:30

Matrix: Solid

Date Received: 05/09/13 01:30

Percent Solids: 85.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		200	2.3	ug/Kg	☼	05/10/13 14:23	05/18/13 14:12	1
Acenaphthylene	ND		200	1.6	ug/Kg	☼	05/10/13 14:23	05/18/13 14:12	1
Anthracene	ND		200	5.0	ug/Kg	☼	05/10/13 14:23	05/18/13 14:12	1
Benz(a)anthracene	ND		200	3.4	ug/Kg	☼	05/10/13 14:23	05/18/13 14:12	1
Benzo(a)pyrene	ND		200	4.7	ug/Kg	☼	05/10/13 14:23	05/18/13 14:12	1
Benzo(b)fluoranthene	99	J	200	3.8	ug/Kg	☼	05/10/13 14:23	05/18/13 14:12	1
Benzo(g,h,i)perylene	ND		200	2.3	ug/Kg	☼	05/10/13 14:23	05/18/13 14:12	1
Benzo(k)fluoranthene	ND		200	2.1	ug/Kg	☼	05/10/13 14:23	05/18/13 14:12	1
Chrysene	3.7	J	200	2.0	ug/Kg	☼	05/10/13 14:23	05/18/13 14:12	1
Dibenz(a,h)anthracene	ND		200	2.3	ug/Kg	☼	05/10/13 14:23	05/18/13 14:12	1
Fluoranthene	ND		200	2.8	ug/Kg	☼	05/10/13 14:23	05/18/13 14:12	1
Fluorene	ND		200	4.5	ug/Kg	☼	05/10/13 14:23	05/18/13 14:12	1
Indeno(1,2,3-c,d)pyrene	ND		200	5.4	ug/Kg	☼	05/10/13 14:23	05/18/13 14:12	1
Naphthalene	63	J	200	3.2	ug/Kg	☼	05/10/13 14:23	05/18/13 14:12	1
Phenanthrene	11	J	200	4.1	ug/Kg	☼	05/10/13 14:23	05/18/13 14:12	1
Pyrene	ND		200	1.3	ug/Kg	☼	05/10/13 14:23	05/18/13 14:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	61		34 - 132	05/10/13 14:23	05/18/13 14:12	1
2-Fluorobiphenyl	66		37 - 120	05/10/13 14:23	05/18/13 14:12	1
p-Terphenyl-d14	87		65 - 153	05/10/13 14:23	05/18/13 14:12	1

Client Sample ID: DPT-09 (22.5-23.0)

Lab Sample ID: 480-37943-8

Date Collected: 05/07/13 11:10

Matrix: Solid

Date Received: 05/09/13 01:30

Percent Solids: 90.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		180	2.1	ug/Kg	☼	05/10/13 14:23	05/18/13 14:36	1
Acenaphthylene	ND		180	1.5	ug/Kg	☼	05/10/13 14:23	05/18/13 14:36	1
Anthracene	7.2	J	180	4.7	ug/Kg	☼	05/10/13 14:23	05/18/13 14:36	1
Benz(a)anthracene	26	J	180	3.2	ug/Kg	☼	05/10/13 14:23	05/18/13 14:36	1
Benzo(a)pyrene	19	J	180	4.4	ug/Kg	☼	05/10/13 14:23	05/18/13 14:36	1
Benzo(b)fluoranthene	120	J	180	3.5	ug/Kg	☼	05/10/13 14:23	05/18/13 14:36	1
Benzo(g,h,i)perylene	17	J	180	2.2	ug/Kg	☼	05/10/13 14:23	05/18/13 14:36	1
Benzo(k)fluoranthene	12	J	180	2.0	ug/Kg	☼	05/10/13 14:23	05/18/13 14:36	1
Chrysene	52	J	180	1.8	ug/Kg	☼	05/10/13 14:23	05/18/13 14:36	1
Dibenz(a,h)anthracene	ND		180	2.2	ug/Kg	☼	05/10/13 14:23	05/18/13 14:36	1
Fluoranthene	43	J	180	2.6	ug/Kg	☼	05/10/13 14:23	05/18/13 14:36	1
Fluorene	ND		180	4.2	ug/Kg	☼	05/10/13 14:23	05/18/13 14:36	1
Indeno(1,2,3-c,d)pyrene	130	J	180	5.1	ug/Kg	☼	05/10/13 14:23	05/18/13 14:36	1
Naphthalene	21	J	180	3.0	ug/Kg	☼	05/10/13 14:23	05/18/13 14:36	1
Phenanthrene	51	J	180	3.8	ug/Kg	☼	05/10/13 14:23	05/18/13 14:36	1
Pyrene	33	J	180	1.2	ug/Kg	☼	05/10/13 14:23	05/18/13 14:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	67		34 - 132	05/10/13 14:23	05/18/13 14:36	1
2-Fluorobiphenyl	73		37 - 120	05/10/13 14:23	05/18/13 14:36	1
p-Terphenyl-d14	98		65 - 153	05/10/13 14:23	05/18/13 14:36	1

TestAmerica Buffalo

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Troy Chevron Asphalt Terminal - 194098

TestAmerica Job ID: 480-37943-1

Client Sample ID: DPT-10 (4.0-4.5)

Lab Sample ID: 480-37943-9

Date Collected: 05/07/13 13:30

Matrix: Solid

Date Received: 05/09/13 01:30

Percent Solids: 91.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.4	0.39	ug/Kg	☼	05/11/13 12:54	05/11/13 19:10	1
1,1,2,2-Tetrachloroethane	ND		5.4	0.88	ug/Kg	☼	05/11/13 12:54	05/11/13 19:10	1
1,1,2-Trichloroethane	ND		5.4	0.71	ug/Kg	☼	05/11/13 12:54	05/11/13 19:10	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.4	1.2	ug/Kg	☼	05/11/13 12:54	05/11/13 19:10	1
1,1-Dichloroethane	ND		5.4	0.66	ug/Kg	☼	05/11/13 12:54	05/11/13 19:10	1
1,1-Dichloroethene	ND		5.4	0.66	ug/Kg	☼	05/11/13 12:54	05/11/13 19:10	1
1,2,4-Trichlorobenzene	ND		5.4	0.33	ug/Kg	☼	05/11/13 12:54	05/11/13 19:10	1
1,2-Dibromo-3-Chloropropane	ND		5.4	2.7	ug/Kg	☼	05/11/13 12:54	05/11/13 19:10	1
1,2-Dibromoethane	ND		5.4	0.70	ug/Kg	☼	05/11/13 12:54	05/11/13 19:10	1
1,2-Dichlorobenzene	ND		5.4	0.42	ug/Kg	☼	05/11/13 12:54	05/11/13 19:10	1
1,2-Dichloroethane	ND		5.4	0.27	ug/Kg	☼	05/11/13 12:54	05/11/13 19:10	1
1,2-Dichloropropane	ND		5.4	2.7	ug/Kg	☼	05/11/13 12:54	05/11/13 19:10	1
1,3-Dichlorobenzene	ND		5.4	0.28	ug/Kg	☼	05/11/13 12:54	05/11/13 19:10	1
1,4-Dichlorobenzene	ND		5.4	0.76	ug/Kg	☼	05/11/13 12:54	05/11/13 19:10	1
2-Hexanone	ND		27	2.7	ug/Kg	☼	05/11/13 12:54	05/11/13 19:10	1
2-Butanone (MEK)	ND		27	2.0	ug/Kg	☼	05/11/13 12:54	05/11/13 19:10	1
4-Methyl-2-pentanone (MIBK)	ND		27	1.8	ug/Kg	☼	05/11/13 12:54	05/11/13 19:10	1
Acetone	9.4	J	27	4.6	ug/Kg	☼	05/11/13 12:54	05/11/13 19:10	1
Benzene	ND		5.4	0.27	ug/Kg	☼	05/11/13 12:54	05/11/13 19:10	1
Bromodichloromethane	ND		5.4	0.73	ug/Kg	☼	05/11/13 12:54	05/11/13 19:10	1
Bromoform	ND		5.4	2.7	ug/Kg	☼	05/11/13 12:54	05/11/13 19:10	1
Bromomethane	ND		5.4	0.49	ug/Kg	☼	05/11/13 12:54	05/11/13 19:10	1
Carbon disulfide	ND		5.4	2.7	ug/Kg	☼	05/11/13 12:54	05/11/13 19:10	1
Carbon tetrachloride	ND		5.4	0.53	ug/Kg	☼	05/11/13 12:54	05/11/13 19:10	1
Chlorobenzene	ND		5.4	0.72	ug/Kg	☼	05/11/13 12:54	05/11/13 19:10	1
Dibromochloromethane	ND		5.4	0.69	ug/Kg	☼	05/11/13 12:54	05/11/13 19:10	1
Chloroethane	ND		5.4	1.2	ug/Kg	☼	05/11/13 12:54	05/11/13 19:10	1
Chloroform	ND		5.4	0.34	ug/Kg	☼	05/11/13 12:54	05/11/13 19:10	1
Chloromethane	ND		5.4	0.33	ug/Kg	☼	05/11/13 12:54	05/11/13 19:10	1
cis-1,2-Dichloroethene	ND		5.4	0.69	ug/Kg	☼	05/11/13 12:54	05/11/13 19:10	1
cis-1,3-Dichloropropene	ND		5.4	0.78	ug/Kg	☼	05/11/13 12:54	05/11/13 19:10	1
Cyclohexane	ND		5.4	0.76	ug/Kg	☼	05/11/13 12:54	05/11/13 19:10	1
Dichlorodifluoromethane	ND		5.4	0.45	ug/Kg	☼	05/11/13 12:54	05/11/13 19:10	1
Ethylbenzene	ND		5.4	0.37	ug/Kg	☼	05/11/13 12:54	05/11/13 19:10	1
Isopropylbenzene	ND		5.4	0.82	ug/Kg	☼	05/11/13 12:54	05/11/13 19:10	1
Methyl acetate	ND		5.4	1.0	ug/Kg	☼	05/11/13 12:54	05/11/13 19:10	1
Methyl tert-butyl ether	ND		5.4	0.53	ug/Kg	☼	05/11/13 12:54	05/11/13 19:10	1
Methylcyclohexane	ND		5.4	0.82	ug/Kg	☼	05/11/13 12:54	05/11/13 19:10	1
Methylene Chloride	ND		5.4	2.5	ug/Kg	☼	05/11/13 12:54	05/11/13 19:10	1
Styrene	ND		5.4	0.27	ug/Kg	☼	05/11/13 12:54	05/11/13 19:10	1
Tetrachloroethene	ND		5.4	0.73	ug/Kg	☼	05/11/13 12:54	05/11/13 19:10	1
Toluene	0.51	J	5.4	0.41	ug/Kg	☼	05/11/13 12:54	05/11/13 19:10	1
trans-1,2-Dichloroethene	ND		5.4	0.56	ug/Kg	☼	05/11/13 12:54	05/11/13 19:10	1
trans-1,3-Dichloropropene	ND		5.4	2.4	ug/Kg	☼	05/11/13 12:54	05/11/13 19:10	1
Trichloroethene	ND		5.4	1.2	ug/Kg	☼	05/11/13 12:54	05/11/13 19:10	1
Trichlorofluoromethane	ND		5.4	0.51	ug/Kg	☼	05/11/13 12:54	05/11/13 19:10	1
Vinyl chloride	ND		5.4	0.66	ug/Kg	☼	05/11/13 12:54	05/11/13 19:10	1
Xylenes, Total	ND		11	0.91	ug/Kg	☼	05/11/13 12:54	05/11/13 19:10	1

TestAmerica Buffalo

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Troy Chevron Asphalt Terminal - 194098

TestAmerica Job ID: 480-37943-1

Client Sample ID: DPT-10 (4.0-4.5)

Lab Sample ID: 480-37943-9

Date Collected: 05/07/13 13:30

Matrix: Solid

Date Received: 05/09/13 01:30

Percent Solids: 91.8

<i>Tentatively Identified Compound</i>	<i>Est. Result</i>	<i>Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>RT</i>	<i>CAS No.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Tentatively Identified Compound</i>	<i>None</i>		<i>ug/Kg</i>	<i>☼</i>			<i>05/11/13 12:54</i>	<i>05/11/13 19:10</i>	<i>1</i>
<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>1,2-Dichloroethane-d4 (Surr)</i>	113		64 - 126				<i>05/11/13 12:54</i>	<i>05/11/13 19:10</i>	<i>1</i>
<i>Toluene-d8 (Surr)</i>	103		71 - 125				<i>05/11/13 12:54</i>	<i>05/11/13 19:10</i>	<i>1</i>
<i>4-Bromofluorobenzene (Surr)</i>	95		72 - 126				<i>05/11/13 12:54</i>	<i>05/11/13 19:10</i>	<i>1</i>

Method: 8270C - Semivolatile Organic Compounds (GC/MS)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Acenaphthene	ND		180	2.1	ug/Kg	☼	05/10/13 14:23	05/18/13 15:00	1	
Acenaphthylene	18	J	180	1.5	ug/Kg	☼	05/10/13 14:23	05/18/13 15:00	1	
Anthracene	26	J	180	4.7	ug/Kg	☼	05/10/13 14:23	05/18/13 15:00	1	
Benz(a)anthracene	150	J	180	3.1	ug/Kg	☼	05/10/13 14:23	05/18/13 15:00	1	
Benzo(a)pyrene	130	J	180	4.4	ug/Kg	☼	05/10/13 14:23	05/18/13 15:00	1	
Benzo(b)fluoranthene	250		180	3.5	ug/Kg	☼	05/10/13 14:23	05/18/13 15:00	1	
Benzo(g,h,i)perylene	100	J	180	2.2	ug/Kg	☼	05/10/13 14:23	05/18/13 15:00	1	
Benzo(k)fluoranthene	72	J	180	2.0	ug/Kg	☼	05/10/13 14:23	05/18/13 15:00	1	
Chrysene	170	J	180	1.8	ug/Kg	☼	05/10/13 14:23	05/18/13 15:00	1	
Dibenz(a,h)anthracene	140	J	180	2.1	ug/Kg	☼	05/10/13 14:23	05/18/13 15:00	1	
Fluoranthene	180		180	2.6	ug/Kg	☼	05/10/13 14:23	05/18/13 15:00	1	
Fluorene	9.4	J	180	4.2	ug/Kg	☼	05/10/13 14:23	05/18/13 15:00	1	
Indeno(1,2,3-c,d)pyrene	190		180	5.0	ug/Kg	☼	05/10/13 14:23	05/18/13 15:00	1	
Naphthalene	28	J	180	3.0	ug/Kg	☼	05/10/13 14:23	05/18/13 15:00	1	
Phenanthrene	110	J	180	3.8	ug/Kg	☼	05/10/13 14:23	05/18/13 15:00	1	
Pyrene	170	J	180	1.2	ug/Kg	☼	05/10/13 14:23	05/18/13 15:00	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
Nitrobenzene-d5	62		34 - 132				05/10/13 14:23	05/18/13 15:00	1	
2-Fluorobiphenyl	69		37 - 120				05/10/13 14:23	05/18/13 15:00	1	
p-Terphenyl-d14	90		65 - 153				05/10/13 14:23	05/18/13 15:00	1	

Client Sample ID: DPT-11 (23.0-23.5)

Lab Sample ID: 480-37943-10

Date Collected: 05/07/13 15:00

Matrix: Solid

Date Received: 05/09/13 01:30

Percent Solids: 82.8

Method: 8270C - Semivolatile Organic Compounds (GC/MS)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Acenaphthene	28	J	200	2.3	ug/Kg	☼	05/10/13 14:23	05/18/13 15:24	1	
Acenaphthylene	22	J	200	1.6	ug/Kg	☼	05/10/13 14:23	05/18/13 15:24	1	
Anthracene	200		200	5.1	ug/Kg	☼	05/10/13 14:23	05/18/13 15:24	1	
Benz(a)anthracene	520		200	3.4	ug/Kg	☼	05/10/13 14:23	05/18/13 15:24	1	
Benzo(a)pyrene	410		200	4.8	ug/Kg	☼	05/10/13 14:23	05/18/13 15:24	1	
Benzo(b)fluoranthene	510		200	3.9	ug/Kg	☼	05/10/13 14:23	05/18/13 15:24	1	
Benzo(g,h,i)perylene	220		200	2.4	ug/Kg	☼	05/10/13 14:23	05/18/13 15:24	1	
Benzo(k)fluoranthene	180	J	200	2.2	ug/Kg	☼	05/10/13 14:23	05/18/13 15:24	1	
Chrysene	470		200	2.0	ug/Kg	☼	05/10/13 14:23	05/18/13 15:24	1	
Dibenz(a,h)anthracene	190	J	200	2.3	ug/Kg	☼	05/10/13 14:23	05/18/13 15:24	1	
Fluoranthene	800		200	2.9	ug/Kg	☼	05/10/13 14:23	05/18/13 15:24	1	
Fluorene	60	J	200	4.6	ug/Kg	☼	05/10/13 14:23	05/18/13 15:24	1	
Indeno(1,2,3-c,d)pyrene	290		200	5.5	ug/Kg	☼	05/10/13 14:23	05/18/13 15:24	1	
Naphthalene	54	J	200	3.3	ug/Kg	☼	05/10/13 14:23	05/18/13 15:24	1	

TestAmerica Buffalo

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Troy Chevron Asphalt Terminal - 194098

TestAmerica Job ID: 480-37943-1

Client Sample ID: DPT-11 (23.0-23.5)

Lab Sample ID: 480-37943-10

Date Collected: 05/07/13 15:00

Matrix: Solid

Date Received: 05/09/13 01:30

Percent Solids: 82.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	340		200	4.2	ug/Kg	☼	05/10/13 14:23	05/18/13 15:24	1
Pyrene	760		200	1.3	ug/Kg	☼	05/10/13 14:23	05/18/13 15:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	63		34 - 132				05/10/13 14:23	05/18/13 15:24	1
2-Fluorobiphenyl	69		37 - 120				05/10/13 14:23	05/18/13 15:24	1
p-Terphenyl-d14	94		65 - 153				05/10/13 14:23	05/18/13 15:24	1

Client Sample ID: DPT-12 (3.5-4.0)

Lab Sample ID: 480-37943-11

Date Collected: 05/08/13 08:30

Matrix: Solid

Date Received: 05/09/13 01:30

Percent Solids: 91.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		900	11	ug/Kg	☼	05/10/13 14:23	05/18/13 15:48	5
Acenaphthylene	130	J	900	7.3	ug/Kg	☼	05/10/13 14:23	05/18/13 15:48	5
Anthracene	170	J	900	23	ug/Kg	☼	05/10/13 14:23	05/18/13 15:48	5
Benz(a)anthracene	940		900	15	ug/Kg	☼	05/10/13 14:23	05/18/13 15:48	5
Benzo(a)pyrene	650	J	900	22	ug/Kg	☼	05/10/13 14:23	05/18/13 15:48	5
Benzo(b)fluoranthene	1300		900	17	ug/Kg	☼	05/10/13 14:23	05/18/13 15:48	5
Benzo(g,h,i)perylene	380	J	900	11	ug/Kg	☼	05/10/13 14:23	05/18/13 15:48	5
Benzo(k)fluoranthene	490	J	900	9.8	ug/Kg	☼	05/10/13 14:23	05/18/13 15:48	5
Chrysene	950		900	8.9	ug/Kg	☼	05/10/13 14:23	05/18/13 15:48	5
Dibenz(a,h)anthracene	720	J	900	11	ug/Kg	☼	05/10/13 14:23	05/18/13 15:48	5
Fluoranthene	1700		900	13	ug/Kg	☼	05/10/13 14:23	05/18/13 15:48	5
Fluorene	110	J	900	21	ug/Kg	☼	05/10/13 14:23	05/18/13 15:48	5
Indeno(1,2,3-c,d)pyrene	920		900	25	ug/Kg	☼	05/10/13 14:23	05/18/13 15:48	5
Naphthalene	ND		900	15	ug/Kg	☼	05/10/13 14:23	05/18/13 15:48	5
Phenanthrene	1200		900	19	ug/Kg	☼	05/10/13 14:23	05/18/13 15:48	5
Pyrene	1300		900	5.8	ug/Kg	☼	05/10/13 14:23	05/18/13 15:48	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	61		34 - 132				05/10/13 14:23	05/18/13 15:48	5
2-Fluorobiphenyl	67		37 - 120				05/10/13 14:23	05/18/13 15:48	5
p-Terphenyl-d14	77		65 - 153				05/10/13 14:23	05/18/13 15:48	5

Client Sample ID: DPT-13 (7.5-8.0)

Lab Sample ID: 480-37943-12

Date Collected: 05/08/13 09:00

Matrix: Solid

Date Received: 05/09/13 01:30

Percent Solids: 83.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	33	J	1000	12	ug/Kg	☼	05/10/13 14:23	05/18/13 16:13	5
Acenaphthylene	220	J	1000	8.1	ug/Kg	☼	05/10/13 14:23	05/18/13 16:13	5
Anthracene	260	J	1000	25	ug/Kg	☼	05/10/13 14:23	05/18/13 16:13	5
Benz(a)anthracene	1400		1000	17	ug/Kg	☼	05/10/13 14:23	05/18/13 16:13	5
Benzo(a)pyrene	1100		1000	24	ug/Kg	☼	05/10/13 14:23	05/18/13 16:13	5
Benzo(b)fluoranthene	2000		1000	19	ug/Kg	☼	05/10/13 14:23	05/18/13 16:13	5
Benzo(g,h,i)perylene	710	J	1000	12	ug/Kg	☼	05/10/13 14:23	05/18/13 16:13	5
Benzo(k)fluoranthene	620	J	1000	11	ug/Kg	☼	05/10/13 14:23	05/18/13 16:13	5

TestAmerica Buffalo

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Troy Chevron Asphalt Terminal - 194098

TestAmerica Job ID: 480-37943-1

Client Sample ID: DPT-13 (7.5-8.0)

Lab Sample ID: 480-37943-12

Date Collected: 05/08/13 09:00

Matrix: Solid

Date Received: 05/09/13 01:30

Percent Solids: 83.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	1400		1000	9.9	ug/Kg	☼	05/10/13 14:23	05/18/13 16:13	5
Dibenz(a,h)anthracene	850	J	1000	12	ug/Kg	☼	05/10/13 14:23	05/18/13 16:13	5
Fluoranthene	2200		1000	14	ug/Kg	☼	05/10/13 14:23	05/18/13 16:13	5
Fluorene	77	J	1000	23	ug/Kg	☼	05/10/13 14:23	05/18/13 16:13	5
Indeno(1,2,3-c,d)pyrene	1200		1000	28	ug/Kg	☼	05/10/13 14:23	05/18/13 16:13	5
Naphthalene	150	J	1000	17	ug/Kg	☼	05/10/13 14:23	05/18/13 16:13	5
Phenanthrene	1700		1000	21	ug/Kg	☼	05/10/13 14:23	05/18/13 16:13	5
Pyrene	1600		1000	6.4	ug/Kg	☼	05/10/13 14:23	05/18/13 16:13	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	65		34 - 132	05/10/13 14:23	05/18/13 16:13	5
2-Fluorobiphenyl	74		37 - 120	05/10/13 14:23	05/18/13 16:13	5
p-Terphenyl-d14	86		65 - 153	05/10/13 14:23	05/18/13 16:13	5

Client Sample ID: DPT-13 (15.0-15.5)

Lab Sample ID: 480-37943-13

Date Collected: 05/08/13 09:15

Matrix: Solid

Date Received: 05/09/13 01:30

Percent Solids: 76.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	6.7	J	220	2.5	ug/Kg	☼	05/10/13 14:23	05/18/13 16:37	1
Acenaphthylene	79	J	220	1.8	ug/Kg	☼	05/10/13 14:23	05/18/13 16:37	1
Anthracene	170	J	220	5.5	ug/Kg	☼	05/10/13 14:23	05/18/13 16:37	1
Benz(a)anthracene	600		220	3.7	ug/Kg	☼	05/10/13 14:23	05/18/13 16:37	1
Benzo(a)pyrene	390		220	5.2	ug/Kg	☼	05/10/13 14:23	05/18/13 16:37	1
Benzo(b)fluoranthene	500		220	4.2	ug/Kg	☼	05/10/13 14:23	05/18/13 16:37	1
Benzo(g,h,i)perylene	180	J	220	2.6	ug/Kg	☼	05/10/13 14:23	05/18/13 16:37	1
Benzo(k)fluoranthene	280		220	2.4	ug/Kg	☼	05/10/13 14:23	05/18/13 16:37	1
Chrysene	480		220	2.2	ug/Kg	☼	05/10/13 14:23	05/18/13 16:37	1
Dibenz(a,h)anthracene	200	J	220	2.5	ug/Kg	☼	05/10/13 14:23	05/18/13 16:37	1
Fluoranthene	950		220	3.1	ug/Kg	☼	05/10/13 14:23	05/18/13 16:37	1
Fluorene	85	J	220	5.0	ug/Kg	☼	05/10/13 14:23	05/18/13 16:37	1
Indeno(1,2,3-c,d)pyrene	300		220	6.0	ug/Kg	☼	05/10/13 14:23	05/18/13 16:37	1
Naphthalene	22	J	220	3.6	ug/Kg	☼	05/10/13 14:23	05/18/13 16:37	1
Phenanthrene	740		220	4.5	ug/Kg	☼	05/10/13 14:23	05/18/13 16:37	1
Pyrene	750		220	1.4	ug/Kg	☼	05/10/13 14:23	05/18/13 16:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	60		34 - 132	05/10/13 14:23	05/18/13 16:37	1
2-Fluorobiphenyl	66		37 - 120	05/10/13 14:23	05/18/13 16:37	1
p-Terphenyl-d14	87		65 - 153	05/10/13 14:23	05/18/13 16:37	1

Client Sample ID: DPT-14 (6.0-6.5)

Lab Sample ID: 480-37943-14

Date Collected: 05/08/13 11:00

Matrix: Solid

Date Received: 05/09/13 01:30

Percent Solids: 92.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		180	2.1	ug/Kg	☼	05/10/13 14:23	05/18/13 17:01	1
Acenaphthylene	19	J	180	1.5	ug/Kg	☼	05/10/13 14:23	05/18/13 17:01	1

TestAmerica Buffalo

Client Sample Results

Client: TRC Solutions, Inc.

TestAmerica Job ID: 480-37943-1

Project/Site: Troy Chevron Asphalt Terminal - 194098

Client Sample ID: DPT-14 (6.0-6.5)

Lab Sample ID: 480-37943-14

Date Collected: 05/08/13 11:00

Matrix: Solid

Date Received: 05/09/13 01:30

Percent Solids: 92.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	15	J	180	4.6	ug/Kg	☼	05/10/13 14:23	05/18/13 17:01	1
Benz(a)anthracene	120	J	180	3.1	ug/Kg	☼	05/10/13 14:23	05/18/13 17:01	1
Benzo(a)pyrene	58	J	180	4.4	ug/Kg	☼	05/10/13 14:23	05/18/13 17:01	1
Benzo(b)fluoranthene	180		180	3.5	ug/Kg	☼	05/10/13 14:23	05/18/13 17:01	1
Benzo(g,h,i)perylene	51	J	180	2.2	ug/Kg	☼	05/10/13 14:23	05/18/13 17:01	1
Benzo(k)fluoranthene	38	J	180	2.0	ug/Kg	☼	05/10/13 14:23	05/18/13 17:01	1
Chrysene	110	J	180	1.8	ug/Kg	☼	05/10/13 14:23	05/18/13 17:01	1
Dibenz(a,h)anthracene	140	J	180	2.1	ug/Kg	☼	05/10/13 14:23	05/18/13 17:01	1
Fluoranthene	210		180	2.6	ug/Kg	☼	05/10/13 14:23	05/18/13 17:01	1
Fluorene	ND		180	4.2	ug/Kg	☼	05/10/13 14:23	05/18/13 17:01	1
Indeno(1,2,3-c,d)pyrene	150	J	180	5.0	ug/Kg	☼	05/10/13 14:23	05/18/13 17:01	1
Naphthalene	ND		180	3.0	ug/Kg	☼	05/10/13 14:23	05/18/13 17:01	1
Phenanthrene	70	J	180	3.8	ug/Kg	☼	05/10/13 14:23	05/18/13 17:01	1
Pyrene	170	J	180	1.2	ug/Kg	☼	05/10/13 14:23	05/18/13 17:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	51		34 - 132	05/10/13 14:23	05/18/13 17:01	1
2-Fluorobiphenyl	57		37 - 120	05/10/13 14:23	05/18/13 17:01	1
p-Terphenyl-d14	74		65 - 153	05/10/13 14:23	05/18/13 17:01	1

Client Sample ID: DPT-14 (16.0-16.5)

Lab Sample ID: 480-37943-15

Date Collected: 05/08/13 11:30

Matrix: Solid

Date Received: 05/09/13 01:30

Percent Solids: 87.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		190	2.3	ug/Kg	☼	05/10/13 14:23	05/18/13 17:25	1
Acenaphthylene	ND		190	1.6	ug/Kg	☼	05/10/13 14:23	05/18/13 17:25	1
Anthracene	ND		190	4.9	ug/Kg	☼	05/10/13 14:23	05/18/13 17:25	1
Benz(a)anthracene	ND		190	3.3	ug/Kg	☼	05/10/13 14:23	05/18/13 17:25	1
Benzo(a)pyrene	ND		190	4.6	ug/Kg	☼	05/10/13 14:23	05/18/13 17:25	1
Benzo(b)fluoranthene	ND		190	3.7	ug/Kg	☼	05/10/13 14:23	05/18/13 17:25	1
Benzo(g,h,i)perylene	ND		190	2.3	ug/Kg	☼	05/10/13 14:23	05/18/13 17:25	1
Benzo(k)fluoranthene	ND		190	2.1	ug/Kg	☼	05/10/13 14:23	05/18/13 17:25	1
Chrysene	ND		190	1.9	ug/Kg	☼	05/10/13 14:23	05/18/13 17:25	1
Dibenz(a,h)anthracene	ND		190	2.3	ug/Kg	☼	05/10/13 14:23	05/18/13 17:25	1
Fluoranthene	ND		190	2.8	ug/Kg	☼	05/10/13 14:23	05/18/13 17:25	1
Fluorene	ND		190	4.4	ug/Kg	☼	05/10/13 14:23	05/18/13 17:25	1
Indeno(1,2,3-c,d)pyrene	ND		190	5.3	ug/Kg	☼	05/10/13 14:23	05/18/13 17:25	1
Naphthalene	ND		190	3.2	ug/Kg	☼	05/10/13 14:23	05/18/13 17:25	1
Phenanthrene	7.0	J	190	4.0	ug/Kg	☼	05/10/13 14:23	05/18/13 17:25	1
Pyrene	ND		190	1.2	ug/Kg	☼	05/10/13 14:23	05/18/13 17:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	53		34 - 132	05/10/13 14:23	05/18/13 17:25	1
2-Fluorobiphenyl	58		37 - 120	05/10/13 14:23	05/18/13 17:25	1
p-Terphenyl-d14	71		65 - 153	05/10/13 14:23	05/18/13 17:25	1

TestAmerica Buffalo

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Troy Chevron Asphalt Terminal - 194098

TestAmerica Job ID: 480-37943-1

Client Sample ID: DPT-20(12.0-12.5)

Lab Sample ID: 480-38154-1

Date Collected: 05/10/13 08:30

Matrix: Solid

Date Received: 05/11/13 02:00

Percent Solids: 85.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.8	0.42	ug/Kg	☼	05/14/13 09:16	05/14/13 11:30	1
1,1,2,2-Tetrachloroethane	ND		5.8	0.94	ug/Kg	☼	05/14/13 09:16	05/14/13 11:30	1
1,1,2-Trichloroethane	ND		5.8	0.76	ug/Kg	☼	05/14/13 09:16	05/14/13 11:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.8	1.3	ug/Kg	☼	05/14/13 09:16	05/14/13 11:30	1
1,1-Dichloroethane	ND		5.8	0.71	ug/Kg	☼	05/14/13 09:16	05/14/13 11:30	1
1,1-Dichloroethene	ND		5.8	0.71	ug/Kg	☼	05/14/13 09:16	05/14/13 11:30	1
1,2,4-Trichlorobenzene	ND		5.8	0.35	ug/Kg	☼	05/14/13 09:16	05/14/13 11:30	1
1,2-Dibromo-3-Chloropropane	ND		5.8	2.9	ug/Kg	☼	05/14/13 09:16	05/14/13 11:30	1
1,2-Dibromoethane	ND		5.8	0.75	ug/Kg	☼	05/14/13 09:16	05/14/13 11:30	1
1,2-Dichlorobenzene	ND		5.8	0.45	ug/Kg	☼	05/14/13 09:16	05/14/13 11:30	1
1,2-Dichloroethane	ND		5.8	0.29	ug/Kg	☼	05/14/13 09:16	05/14/13 11:30	1
1,2-Dichloropropane	ND		5.8	2.9	ug/Kg	☼	05/14/13 09:16	05/14/13 11:30	1
1,3-Dichlorobenzene	ND		5.8	0.30	ug/Kg	☼	05/14/13 09:16	05/14/13 11:30	1
1,4-Dichlorobenzene	ND		5.8	0.81	ug/Kg	☼	05/14/13 09:16	05/14/13 11:30	1
2-Hexanone	ND		29	2.9	ug/Kg	☼	05/14/13 09:16	05/14/13 11:30	1
2-Butanone (MEK)	16	J	29	2.1	ug/Kg	☼	05/14/13 09:16	05/14/13 11:30	1
4-Methyl-2-pentanone (MIBK)	ND		29	1.9	ug/Kg	☼	05/14/13 09:16	05/14/13 11:30	1
Acetone	72		29	4.9	ug/Kg	☼	05/14/13 09:16	05/14/13 11:30	1
Benzene	0.56	J	5.8	0.29	ug/Kg	☼	05/14/13 09:16	05/14/13 11:30	1
Bromodichloromethane	ND		5.8	0.78	ug/Kg	☼	05/14/13 09:16	05/14/13 11:30	1
Bromoform	ND		5.8	2.9	ug/Kg	☼	05/14/13 09:16	05/14/13 11:30	1
Bromomethane	ND		5.8	0.52	ug/Kg	☼	05/14/13 09:16	05/14/13 11:30	1
Carbon disulfide	ND		5.8	2.9	ug/Kg	☼	05/14/13 09:16	05/14/13 11:30	1
Carbon tetrachloride	ND		5.8	0.56	ug/Kg	☼	05/14/13 09:16	05/14/13 11:30	1
Chlorobenzene	ND		5.8	0.77	ug/Kg	☼	05/14/13 09:16	05/14/13 11:30	1
Dibromochloromethane	ND		5.8	0.74	ug/Kg	☼	05/14/13 09:16	05/14/13 11:30	1
Chloroethane	ND		5.8	1.3	ug/Kg	☼	05/14/13 09:16	05/14/13 11:30	1
Chloroform	ND		5.8	0.36	ug/Kg	☼	05/14/13 09:16	05/14/13 11:30	1
Chloromethane	ND		5.8	0.35	ug/Kg	☼	05/14/13 09:16	05/14/13 11:30	1
cis-1,2-Dichloroethene	ND		5.8	0.74	ug/Kg	☼	05/14/13 09:16	05/14/13 11:30	1
cis-1,3-Dichloropropene	ND		5.8	0.84	ug/Kg	☼	05/14/13 09:16	05/14/13 11:30	1
Cyclohexane	ND		5.8	0.81	ug/Kg	☼	05/14/13 09:16	05/14/13 11:30	1
Dichlorodifluoromethane	ND		5.8	0.48	ug/Kg	☼	05/14/13 09:16	05/14/13 11:30	1
Ethylbenzene	0.96	J	5.8	0.40	ug/Kg	☼	05/14/13 09:16	05/14/13 11:30	1
Isopropylbenzene	ND		5.8	0.88	ug/Kg	☼	05/14/13 09:16	05/14/13 11:30	1
Methyl acetate	ND		5.8	1.1	ug/Kg	☼	05/14/13 09:16	05/14/13 11:30	1
Methyl tert-butyl ether	ND		5.8	0.57	ug/Kg	☼	05/14/13 09:16	05/14/13 11:30	1
Methylcyclohexane	ND		5.8	0.88	ug/Kg	☼	05/14/13 09:16	05/14/13 11:30	1
Methylene Chloride	ND		5.8	2.7	ug/Kg	☼	05/14/13 09:16	05/14/13 11:30	1
Styrene	ND		5.8	0.29	ug/Kg	☼	05/14/13 09:16	05/14/13 11:30	1
Tetrachloroethene	ND		5.8	0.78	ug/Kg	☼	05/14/13 09:16	05/14/13 11:30	1
Toluene	1.6	J	5.8	0.44	ug/Kg	☼	05/14/13 09:16	05/14/13 11:30	1
trans-1,2-Dichloroethene	ND		5.8	0.60	ug/Kg	☼	05/14/13 09:16	05/14/13 11:30	1
trans-1,3-Dichloropropene	ND		5.8	2.6	ug/Kg	☼	05/14/13 09:16	05/14/13 11:30	1
Trichloroethene	ND		5.8	1.3	ug/Kg	☼	05/14/13 09:16	05/14/13 11:30	1
Trichlorofluoromethane	ND		5.8	0.55	ug/Kg	☼	05/14/13 09:16	05/14/13 11:30	1
Vinyl chloride	ND		5.8	0.71	ug/Kg	☼	05/14/13 09:16	05/14/13 11:30	1
Xylenes, Total	ND		12	0.98	ug/Kg	☼	05/14/13 09:16	05/14/13 11:30	1

TestAmerica Buffalo

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Troy Chevron Asphalt Terminal - 194098

TestAmerica Job ID: 480-37943-1

Client Sample ID: DPT-20(12.0-12.5)

Lab Sample ID: 480-38154-1

Date Collected: 05/10/13 08:30

Matrix: Solid

Date Received: 05/11/13 02:00

Percent Solids: 85.6

<i>Tentatively Identified Compound</i>	<i>Est. Result</i>	<i>Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>RT</i>	<i>CAS No.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1-Butene	23	T J N	ug/Kg	☼	2.29	106-98-9	05/14/13 09:16	05/14/13 11:30	1
Butane, 2-methyl-	12	T J N	ug/Kg	☼	2.69	78-78-4	05/14/13 09:16	05/14/13 11:30	1
Pentane	33	T J N	ug/Kg	☼	2.86	109-66-0	05/14/13 09:16	05/14/13 11:30	1
Cyclopropane, 1,2-dimethyl-, trans-	14	T J N	ug/Kg	☼	2.97	2402-6-4	05/14/13 09:16	05/14/13 11:30	1
2-Pentene, (Z)-	10	T J N	ug/Kg	☼	3.07	627-20-3	05/14/13 09:16	05/14/13 11:30	1
Pentane, 3-methylene-	11	T J N	ug/Kg	☼	3.52	760-21-4	05/14/13 09:16	05/14/13 11:30	1
1-Pentene, 2-methyl-	15	T J N	ug/Kg	☼	3.90	763-29-1	05/14/13 09:16	05/14/13 11:30	1
3-Hexene, (E)-	13	T J N	ug/Kg	☼	4.09	13269-52-8	05/14/13 09:16	05/14/13 11:30	1
Isobutyl alcohol	96	J	ug/Kg	☼	5.06	78-83-1	05/14/13 09:16	05/14/13 11:30	1
<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	112		64 - 126				05/14/13 09:16	05/14/13 11:30	1
Toluene-d8 (Surr)	106		71 - 125				05/14/13 09:16	05/14/13 11:30	1
4-Bromofluorobenzene (Surr)	102		72 - 126				05/14/13 09:16	05/14/13 11:30	1

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

<i>Analyte</i>	<i>Result</i>	<i>Qualifier</i>	<i>RL</i>	<i>MDL</i>	<i>Unit</i>	<i>D</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
Acenaphthene	2.7	J	200	2.3	ug/Kg	☼	05/14/13 14:43	05/21/13 16:08	1
Acenaphthylene	ND		200	1.6	ug/Kg	☼	05/14/13 14:43	05/21/13 16:08	1
Anthracene	ND		200	5.0	ug/Kg	☼	05/14/13 14:43	05/21/13 16:08	1
Benz(a)anthracene	17	J	200	3.4	ug/Kg	☼	05/14/13 14:43	05/21/13 16:08	1
Benzo(a)pyrene	4.7	J	200	4.7	ug/Kg	☼	05/14/13 14:43	05/21/13 16:08	1
Benzo(b)fluoranthene	110	J	200	3.8	ug/Kg	☼	05/14/13 14:43	05/21/13 16:08	1
Benzo(g,h,i)perylene	ND		200	2.4	ug/Kg	☼	05/14/13 14:43	05/21/13 16:08	1
Benzo(k)fluoranthene	ND		200	2.2	ug/Kg	☼	05/14/13 14:43	05/21/13 16:08	1
Chrysene	14	J	200	2.0	ug/Kg	☼	05/14/13 14:43	05/21/13 16:08	1
Dibenz(a,h)anthracene	ND		200	2.3	ug/Kg	☼	05/14/13 14:43	05/21/13 16:08	1
Fluoranthene	6.7	J	200	2.8	ug/Kg	☼	05/14/13 14:43	05/21/13 16:08	1
Fluorene	ND		200	4.5	ug/Kg	☼	05/14/13 14:43	05/21/13 16:08	1
Indeno(1,2,3-c,d)pyrene	ND		200	5.4	ug/Kg	☼	05/14/13 14:43	05/21/13 16:08	1
Naphthalene	55	J	200	3.3	ug/Kg	☼	05/14/13 14:43	05/21/13 16:08	1
Phenanthrene	20	J	200	4.1	ug/Kg	☼	05/14/13 14:43	05/21/13 16:08	1
Pyrene	ND		200	1.3	ug/Kg	☼	05/14/13 14:43	05/21/13 16:08	1
<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
Nitrobenzene-d5	80		34 - 132				05/14/13 14:43	05/21/13 16:08	1
2-Fluorobiphenyl	88		37 - 120				05/14/13 14:43	05/21/13 16:08	1
p-Terphenyl-d14	96		65 - 153				05/14/13 14:43	05/21/13 16:08	1

Client Sample ID: DPT-21(3.0-3.5)

Lab Sample ID: 480-38154-2

Date Collected: 05/10/13 09:20

Matrix: Solid

Date Received: 05/11/13 02:00

Percent Solids: 85.4

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

<i>Analyte</i>	<i>Result</i>	<i>Qualifier</i>	<i>RL</i>	<i>MDL</i>	<i>Unit</i>	<i>D</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,1,1-Trichloroethane	ND		5.8	0.42	ug/Kg	☼	05/14/13 09:16	05/14/13 11:56	1
1,1,2,2-Tetrachloroethane	ND		5.8	0.93	ug/Kg	☼	05/14/13 09:16	05/14/13 11:56	1
1,1,2-Trichloroethane	ND		5.8	0.75	ug/Kg	☼	05/14/13 09:16	05/14/13 11:56	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.8	1.3	ug/Kg	☼	05/14/13 09:16	05/14/13 11:56	1
1,1-Dichloroethane	ND		5.8	0.70	ug/Kg	☼	05/14/13 09:16	05/14/13 11:56	1
1,1-Dichloroethene	ND		5.8	0.71	ug/Kg	☼	05/14/13 09:16	05/14/13 11:56	1

TestAmerica Buffalo

Client Sample Results

Client: TRC Solutions, Inc.

TestAmerica Job ID: 480-37943-1

Project/Site: Troy Chevron Asphalt Terminal - 194098

Client Sample ID: DPT-21(3.0-3.5)

Lab Sample ID: 480-38154-2

Date Collected: 05/10/13 09:20

Matrix: Solid

Date Received: 05/11/13 02:00

Percent Solids: 85.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		5.8	0.35	ug/Kg	☼	05/14/13 09:16	05/14/13 11:56	1
1,2-Dibromo-3-Chloropropane	ND		5.8	2.9	ug/Kg	☼	05/14/13 09:16	05/14/13 11:56	1
1,2-Dibromoethane	ND		5.8	0.74	ug/Kg	☼	05/14/13 09:16	05/14/13 11:56	1
1,2-Dichlorobenzene	ND		5.8	0.45	ug/Kg	☼	05/14/13 09:16	05/14/13 11:56	1
1,2-Dichloroethane	ND		5.8	0.29	ug/Kg	☼	05/14/13 09:16	05/14/13 11:56	1
1,2-Dichloropropane	ND		5.8	2.9	ug/Kg	☼	05/14/13 09:16	05/14/13 11:56	1
1,3-Dichlorobenzene	ND		5.8	0.30	ug/Kg	☼	05/14/13 09:16	05/14/13 11:56	1
1,4-Dichlorobenzene	ND		5.8	0.81	ug/Kg	☼	05/14/13 09:16	05/14/13 11:56	1
2-Hexanone	ND		29	2.9	ug/Kg	☼	05/14/13 09:16	05/14/13 11:56	1
2-Butanone (MEK)	19	J	29	2.1	ug/Kg	☼	05/14/13 09:16	05/14/13 11:56	1
4-Methyl-2-pentanone (MIBK)	ND		29	1.9	ug/Kg	☼	05/14/13 09:16	05/14/13 11:56	1
Acetone	67		29	4.9	ug/Kg	☼	05/14/13 09:16	05/14/13 11:56	1
Benzene	2.6	J	5.8	0.28	ug/Kg	☼	05/14/13 09:16	05/14/13 11:56	1
Bromodichloromethane	ND		5.8	0.77	ug/Kg	☼	05/14/13 09:16	05/14/13 11:56	1
Bromoform	ND		5.8	2.9	ug/Kg	☼	05/14/13 09:16	05/14/13 11:56	1
Bromomethane	ND		5.8	0.52	ug/Kg	☼	05/14/13 09:16	05/14/13 11:56	1
Carbon disulfide	ND		5.8	2.9	ug/Kg	☼	05/14/13 09:16	05/14/13 11:56	1
Carbon tetrachloride	ND		5.8	0.56	ug/Kg	☼	05/14/13 09:16	05/14/13 11:56	1
Chlorobenzene	ND		5.8	0.76	ug/Kg	☼	05/14/13 09:16	05/14/13 11:56	1
Dibromochloromethane	ND		5.8	0.74	ug/Kg	☼	05/14/13 09:16	05/14/13 11:56	1
Chloroethane	ND		5.8	1.3	ug/Kg	☼	05/14/13 09:16	05/14/13 11:56	1
Chloroform	ND		5.8	0.36	ug/Kg	☼	05/14/13 09:16	05/14/13 11:56	1
Chloromethane	ND		5.8	0.35	ug/Kg	☼	05/14/13 09:16	05/14/13 11:56	1
cis-1,2-Dichloroethene	ND		5.8	0.74	ug/Kg	☼	05/14/13 09:16	05/14/13 11:56	1
cis-1,3-Dichloropropene	ND		5.8	0.83	ug/Kg	☼	05/14/13 09:16	05/14/13 11:56	1
Cyclohexane	ND		5.8	0.81	ug/Kg	☼	05/14/13 09:16	05/14/13 11:56	1
Dichlorodifluoromethane	ND		5.8	0.48	ug/Kg	☼	05/14/13 09:16	05/14/13 11:56	1
Ethylbenzene	2.9	J	5.8	0.40	ug/Kg	☼	05/14/13 09:16	05/14/13 11:56	1
Isopropylbenzene	ND		5.8	0.87	ug/Kg	☼	05/14/13 09:16	05/14/13 11:56	1
Methyl acetate	ND		5.8	1.1	ug/Kg	☼	05/14/13 09:16	05/14/13 11:56	1
Methyl tert-butyl ether	ND		5.8	0.57	ug/Kg	☼	05/14/13 09:16	05/14/13 11:56	1
Methylcyclohexane	ND		5.8	0.88	ug/Kg	☼	05/14/13 09:16	05/14/13 11:56	1
Methylene Chloride	ND		5.8	2.7	ug/Kg	☼	05/14/13 09:16	05/14/13 11:56	1
Styrene	ND		5.8	0.29	ug/Kg	☼	05/14/13 09:16	05/14/13 11:56	1
Tetrachloroethene	ND		5.8	0.77	ug/Kg	☼	05/14/13 09:16	05/14/13 11:56	1
Toluene	7.5		5.8	0.44	ug/Kg	☼	05/14/13 09:16	05/14/13 11:56	1
trans-1,2-Dichloroethene	ND		5.8	0.59	ug/Kg	☼	05/14/13 09:16	05/14/13 11:56	1
trans-1,3-Dichloropropene	ND		5.8	2.5	ug/Kg	☼	05/14/13 09:16	05/14/13 11:56	1
Trichloroethene	ND		5.8	1.3	ug/Kg	☼	05/14/13 09:16	05/14/13 11:56	1
Trichlorofluoromethane	ND		5.8	0.55	ug/Kg	☼	05/14/13 09:16	05/14/13 11:56	1
Vinyl chloride	ND		5.8	0.70	ug/Kg	☼	05/14/13 09:16	05/14/13 11:56	1
Xylenes, Total	4.5	J	12	0.97	ug/Kg	☼	05/14/13 09:16	05/14/13 11:56	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Butane	17	T J N	ug/Kg	☼	2.29	106-97-8	05/14/13 09:16	05/14/13 11:56	1
Butane, 2-methyl-	21	T J N	ug/Kg	☼	2.70	78-78-4	05/14/13 09:16	05/14/13 11:56	1
Pentane	38	T J N	ug/Kg	☼	2.87	109-66-0	05/14/13 09:16	05/14/13 11:56	1
Pentane, 2-methyl-	36	T J N	ug/Kg	☼	3.59	107-83-5	05/14/13 09:16	05/14/13 11:56	1
Hexane	41	J	ug/Kg	☼	3.97	110-54-3	05/14/13 09:16	05/14/13 11:56	1
3-Hexene, (E)-	30	T J N	ug/Kg	☼	4.09	13269-52-8	05/14/13 09:16	05/14/13 11:56	1

TestAmerica Buffalo

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Troy Chevron Asphalt Terminal - 194098

TestAmerica Job ID: 480-37943-1

Client Sample ID: DPT-21(3.0-3.5)

Lab Sample ID: 480-38154-2

Date Collected: 05/10/13 09:20

Matrix: Solid

Date Received: 05/11/13 02:00

Percent Solids: 85.4

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

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Isobutyl alcohol	380		ug/Kg	☼	5.06	78-83-1	05/14/13 09:16	05/14/13 11:56	1
n-Butanol	110	J	ug/Kg	☼	5.73	71-36-3	05/14/13 09:16	05/14/13 11:56	1
2-Nitropropane	44		ug/Kg	☼	6.57	79-46-9	05/14/13 09:16	05/14/13 11:56	1
m-Xylene & p-Xylene	2.9	J	ug/Kg	☼	8.57	179601-23-1	05/14/13 09:16	05/14/13 11:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	113		64 - 126				05/14/13 09:16	05/14/13 11:56	1
Toluene-d8 (Surr)	104		71 - 125				05/14/13 09:16	05/14/13 11:56	1
4-Bromofluorobenzene (Surr)	102		72 - 126				05/14/13 09:16	05/14/13 11:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	15	J	200	2.3	ug/Kg	☼	05/14/13 14:43	05/21/13 16:32	1
Acenaphthylene	14	J	200	1.6	ug/Kg	☼	05/14/13 14:43	05/21/13 16:32	1
Anthracene	5.8	J	200	5.0	ug/Kg	☼	05/14/13 14:43	05/21/13 16:32	1
Benz(a)anthracene	ND		200	3.4	ug/Kg	☼	05/14/13 14:43	05/21/13 16:32	1
Benzo(a)pyrene	5.0	J	200	4.7	ug/Kg	☼	05/14/13 14:43	05/21/13 16:32	1
Benzo(b)fluoranthene	110	J	200	3.8	ug/Kg	☼	05/14/13 14:43	05/21/13 16:32	1
Benzo(g,h,i)perylene	ND		200	2.4	ug/Kg	☼	05/14/13 14:43	05/21/13 16:32	1
Benzo(k)fluoranthene	3.3	J	200	2.2	ug/Kg	☼	05/14/13 14:43	05/21/13 16:32	1
Chrysene	14	J	200	2.0	ug/Kg	☼	05/14/13 14:43	05/21/13 16:32	1
Dibenz(a,h)anthracene	ND		200	2.3	ug/Kg	☼	05/14/13 14:43	05/21/13 16:32	1
Fluoranthene	8.1	J	200	2.8	ug/Kg	☼	05/14/13 14:43	05/21/13 16:32	1
Fluorene	36	J	200	4.5	ug/Kg	☼	05/14/13 14:43	05/21/13 16:32	1
Indeno(1,2,3-c,d)pyrene	ND		200	5.4	ug/Kg	☼	05/14/13 14:43	05/21/13 16:32	1
Naphthalene	2200		200	3.3	ug/Kg	☼	05/14/13 14:43	05/21/13 16:32	1
Phenanthrene	33	J	200	4.1	ug/Kg	☼	05/14/13 14:43	05/21/13 16:32	1
Pyrene	6.4	J	200	1.3	ug/Kg	☼	05/14/13 14:43	05/21/13 16:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	74		34 - 132				05/14/13 14:43	05/21/13 16:32	1
2-Fluorobiphenyl	83		37 - 120				05/14/13 14:43	05/21/13 16:32	1
p-Terphenyl-d14	95		65 - 153				05/14/13 14:43	05/21/13 16:32	1

Client Sample ID: DPT-21(21.5-22.0)

Lab Sample ID: 480-38154-3

Date Collected: 05/10/13 09:40

Matrix: Solid

Date Received: 05/11/13 02:00

Percent Solids: 70.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	23	J	240	2.8	ug/Kg	☼	05/14/13 14:43	05/21/13 16:57	1
Acenaphthylene	43	J	240	1.9	ug/Kg	☼	05/14/13 14:43	05/21/13 16:57	1
Anthracene	15	J	240	6.0	ug/Kg	☼	05/14/13 14:43	05/21/13 16:57	1
Benz(a)anthracene	ND		240	4.1	ug/Kg	☼	05/14/13 14:43	05/21/13 16:57	1
Benzo(a)pyrene	17	J	240	5.7	ug/Kg	☼	05/14/13 14:43	05/21/13 16:57	1
Benzo(b)fluoranthene	140	J	240	4.6	ug/Kg	☼	05/14/13 14:43	05/21/13 16:57	1
Benzo(g,h,i)perylene	15	J	240	2.8	ug/Kg	☼	05/14/13 14:43	05/21/13 16:57	1
Benzo(k)fluoranthene	19	J	240	2.6	ug/Kg	☼	05/14/13 14:43	05/21/13 16:57	1
Chrysene	54	J	240	2.4	ug/Kg	☼	05/14/13 14:43	05/21/13 16:57	1
Dibenz(a,h)anthracene	ND		240	2.8	ug/Kg	☼	05/14/13 14:43	05/21/13 16:57	1

TestAmerica Buffalo

Client Sample Results

Client: TRC Solutions, Inc.

TestAmerica Job ID: 480-37943-1

Project/Site: Troy Chevron Asphalt Terminal - 194098

Client Sample ID: DPT-21(21.5-22.0)

Lab Sample ID: 480-38154-3

Date Collected: 05/10/13 09:40

Matrix: Solid

Date Received: 05/11/13 02:00

Percent Solids: 70.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	30	J	240	3.4	ug/Kg	☼	05/14/13 14:43	05/21/13 16:57	1
Fluorene	110	J	240	5.4	ug/Kg	☼	05/14/13 14:43	05/21/13 16:57	1
Indeno(1,2,3-c,d)pyrene	170	J	240	6.5	ug/Kg	☼	05/14/13 14:43	05/21/13 16:57	1
Naphthalene	5800		240	3.9	ug/Kg	☼	05/14/13 14:43	05/21/13 16:57	1
Phenanthrene	120	J	240	5.0	ug/Kg	☼	05/14/13 14:43	05/21/13 16:57	1
Pyrene	25	J	240	1.5	ug/Kg	☼	05/14/13 14:43	05/21/13 16:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	78		34 - 132	05/14/13 14:43	05/21/13 16:57	1
2-Fluorobiphenyl	87		37 - 120	05/14/13 14:43	05/21/13 16:57	1
p-Terphenyl-d14	96		65 - 153	05/14/13 14:43	05/21/13 16:57	1

Client Sample ID: DPT-15(10.0-11.0)

Lab Sample ID: 480-38154-4

Date Collected: 05/10/13 11:00

Matrix: Solid

Date Received: 05/11/13 02:00

Percent Solids: 83.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4800	1300	ug/Kg	☼	05/17/13 17:16	05/18/13 05:00	40
1,1,2,2-Tetrachloroethane	ND		4800	770	ug/Kg	☼	05/17/13 17:16	05/18/13 05:00	40
1,1,2-Trichloroethane	ND		4800	1000	ug/Kg	☼	05/17/13 17:16	05/18/13 05:00	40
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4800	2400	ug/Kg	☼	05/17/13 17:16	05/18/13 05:00	40
1,1-Dichloroethane	ND		4800	1500	ug/Kg	☼	05/17/13 17:16	05/18/13 05:00	40
1,1-Dichloroethene	ND		4800	1600	ug/Kg	☼	05/17/13 17:16	05/18/13 05:00	40
1,2,4-Trichlorobenzene	13000		4800	1800	ug/Kg	☼	05/17/13 17:16	05/18/13 05:00	40
1,2-Dibromo-3-Chloropropane	ND		4800	2400	ug/Kg	☼	05/17/13 17:16	05/18/13 05:00	40
1,2-Dibromoethane	ND		4800	180	ug/Kg	☼	05/17/13 17:16	05/18/13 05:00	40
1,2-Dichlorobenzene	ND		4800	1200	ug/Kg	☼	05/17/13 17:16	05/18/13 05:00	40
1,2-Dichloroethane	ND		4800	1900	ug/Kg	☼	05/17/13 17:16	05/18/13 05:00	40
1,2-Dichloropropane	ND		4800	770	ug/Kg	☼	05/17/13 17:16	05/18/13 05:00	40
1,3-Dichlorobenzene	ND		4800	1300	ug/Kg	☼	05/17/13 17:16	05/18/13 05:00	40
1,4-Dichlorobenzene	780	J	4800	670	ug/Kg	☼	05/17/13 17:16	05/18/13 05:00	40
2-Hexanone	ND		24000	9800	ug/Kg	☼	05/17/13 17:16	05/18/13 05:00	40
2-Butanone (MEK)	ND		24000	14000	ug/Kg	☼	05/17/13 17:16	05/18/13 05:00	40
4-Methyl-2-pentanone (MIBK)	ND		24000	1500	ug/Kg	☼	05/17/13 17:16	05/18/13 05:00	40
Acetone	ND		24000	20000	ug/Kg	☼	05/17/13 17:16	05/18/13 05:00	40
Benzene	ND		4800	230	ug/Kg	☼	05/17/13 17:16	05/18/13 05:00	40
Bromodichloromethane	ND		4800	950	ug/Kg	☼	05/17/13 17:16	05/18/13 05:00	40
Bromoform	ND		4800	2400	ug/Kg	☼	05/17/13 17:16	05/18/13 05:00	40
Bromomethane	ND		4800	1000	ug/Kg	☼	05/17/13 17:16	05/18/13 05:00	40
Carbon disulfide	ND		4800	2200	ug/Kg	☼	05/17/13 17:16	05/18/13 05:00	40
Carbon tetrachloride	ND		4800	1200	ug/Kg	☼	05/17/13 17:16	05/18/13 05:00	40
Chlorobenzene	ND		4800	630	ug/Kg	☼	05/17/13 17:16	05/18/13 05:00	40
Dibromochloromethane	ND		4800	2300	ug/Kg	☼	05/17/13 17:16	05/18/13 05:00	40
Chloroethane	ND		4800	990	ug/Kg	☼	05/17/13 17:16	05/18/13 05:00	40
Chloroform	ND		4800	3300	ug/Kg	☼	05/17/13 17:16	05/18/13 05:00	40
Chloromethane	ND		4800	1100	ug/Kg	☼	05/17/13 17:16	05/18/13 05:00	40
cis-1,2-Dichloroethene	ND		4800	1300	ug/Kg	☼	05/17/13 17:16	05/18/13 05:00	40
cis-1,3-Dichloropropene	ND		4800	1100	ug/Kg	☼	05/17/13 17:16	05/18/13 05:00	40
Cyclohexane	ND		4800	1100	ug/Kg	☼	05/17/13 17:16	05/18/13 05:00	40

TestAmerica Buffalo

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Troy Chevron Asphalt Terminal - 194098

TestAmerica Job ID: 480-37943-1

Client Sample ID: DPT-15(10.0-11.0)

Lab Sample ID: 480-38154-4

Date Collected: 05/10/13 11:00

Matrix: Solid

Date Received: 05/11/13 02:00

Percent Solids: 83.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		4800	2100	ug/Kg	☼	05/17/13 17:16	05/18/13 05:00	40
Ethylbenzene	ND		4800	1400	ug/Kg	☼	05/17/13 17:16	05/18/13 05:00	40
Isopropylbenzene	ND		4800	710	ug/Kg	☼	05/17/13 17:16	05/18/13 05:00	40
Methyl acetate	ND		4800	2300	ug/Kg	☼	05/17/13 17:16	05/18/13 05:00	40
Methyl tert-butyl ether	ND		4800	1800	ug/Kg	☼	05/17/13 17:16	05/18/13 05:00	40
Methylcyclohexane	ND		4800	2200	ug/Kg	☼	05/17/13 17:16	05/18/13 05:00	40
Methylene Chloride	1000	J B	4800	940	ug/Kg	☼	05/17/13 17:16	05/18/13 05:00	40
Styrene	ND		4800	1100	ug/Kg	☼	05/17/13 17:16	05/18/13 05:00	40
Tetrachloroethene	ND		4800	640	ug/Kg	☼	05/17/13 17:16	05/18/13 05:00	40
Toluene	ND		4800	1300	ug/Kg	☼	05/17/13 17:16	05/18/13 05:00	40
trans-1,2-Dichloroethene	ND		4800	1100	ug/Kg	☼	05/17/13 17:16	05/18/13 05:00	40
trans-1,3-Dichloropropene	ND		4800	230	ug/Kg	☼	05/17/13 17:16	05/18/13 05:00	40
Trichloroethene	ND		4800	1300	ug/Kg	☼	05/17/13 17:16	05/18/13 05:00	40
Trichlorofluoromethane	ND		4800	2200	ug/Kg	☼	05/17/13 17:16	05/18/13 05:00	40
Vinyl chloride	ND		4800	1600	ug/Kg	☼	05/17/13 17:16	05/18/13 05:00	40
Xylenes, Total	ND		9500	800	ug/Kg	☼	05/17/13 17:16	05/18/13 05:00	40

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	1400	J	ug/Kg	☼	10.28	108-67-8	05/17/13 17:16	05/18/13 05:00	40
1,2,4-Trimethylbenzene	2500	J	ug/Kg	☼	10.64	95-63-6	05/17/13 17:16	05/18/13 05:00	40
Indene	30000	T J N	ug/Kg	☼	11.45	95-13-6	05/17/13 17:16	05/18/13 05:00	40
Naphthalene	340000		ug/Kg	☼	12.99	91-20-3	05/17/13 17:16	05/18/13 05:00	40
Benzo[c]thiophene	13000	T J N	ug/Kg	☼	13.09	270-82-6	05/17/13 17:16	05/18/13 05:00	40
1,2,3-Trichlorobenzene	4700	J	ug/Kg	☼	13.19	87-61-6	05/17/13 17:16	05/18/13 05:00	40
Benzocycloheptatriene	110000	T J N	ug/Kg	☼	13.89	264-9-5	05/17/13 17:16	05/18/13 05:00	40
Naphthalene, 2-methyl-	47000	T J N	ug/Kg	☼	14.05	91-57-6	05/17/13 17:16	05/18/13 05:00	40
Naphthalene, 2,6-dimethyl-	15000	T J N	ug/Kg	☼	14.73	581-42-0	05/17/13 17:16	05/18/13 05:00	40
Naphthalene, 2,3-dimethyl-	21000	T J N	ug/Kg	☼	14.86	581-40-8	05/17/13 17:16	05/18/13 05:00	40

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		53 - 146	05/17/13 17:16	05/18/13 05:00	40
Toluene-d8 (Surr)	92		50 - 149	05/17/13 17:16	05/18/13 05:00	40
4-Bromofluorobenzene (Surr)	92		49 - 148	05/17/13 17:16	05/18/13 05:00	40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	65000	J	160000	1900	ug/Kg	☼	05/14/13 14:43	05/21/13 17:21	50
Acenaphthylene	380000		160000	1300	ug/Kg	☼	05/14/13 14:43	05/21/13 17:21	50
Anthracene	580000		160000	4100	ug/Kg	☼	05/14/13 14:43	05/21/13 17:21	50
Benz(a)anthracene	680000		160000	2800	ug/Kg	☼	05/14/13 14:43	05/21/13 17:21	50
Benzo(a)pyrene	490000		160000	3900	ug/Kg	☼	05/14/13 14:43	05/21/13 17:21	50
Benzo(b)fluoranthene	730000		160000	3100	ug/Kg	☼	05/14/13 14:43	05/21/13 17:21	50
Benzo(g,h,i)perylene	170000		160000	1900	ug/Kg	☼	05/14/13 14:43	05/21/13 17:21	50
Benzo(k)fluoranthene	260000		160000	1800	ug/Kg	☼	05/14/13 14:43	05/21/13 17:21	50
Chrysene	560000		160000	1600	ug/Kg	☼	05/14/13 14:43	05/21/13 17:21	50
Dibenz(a,h)anthracene	160000		160000	1900	ug/Kg	☼	05/14/13 14:43	05/21/13 17:21	50
Fluoranthene	1500000		160000	2300	ug/Kg	☼	05/14/13 14:43	05/21/13 17:21	50
Fluorene	880000		160000	3700	ug/Kg	☼	05/14/13 14:43	05/21/13 17:21	50
Indeno(1,2,3-c,d)pyrene	240000		160000	4400	ug/Kg	☼	05/14/13 14:43	05/21/13 17:21	50
Naphthalene	1900000		160000	2700	ug/Kg	☼	05/14/13 14:43	05/21/13 17:21	50

TestAmerica Buffalo

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Troy Chevron Asphalt Terminal - 194098

TestAmerica Job ID: 480-37943-1

Client Sample ID: DPT-15(10.0-11.0)

Lab Sample ID: 480-38154-4

Date Collected: 05/10/13 11:00

Matrix: Solid

Date Received: 05/11/13 02:00

Percent Solids: 83.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	2400000		160000	3400	ug/Kg	☼	05/14/13 14:43	05/21/13 17:21	50
Pyrene	930000		160000	1000	ug/Kg	☼	05/14/13 14:43	05/21/13 17:21	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	0	X	34 - 132				05/14/13 14:43	05/21/13 17:21	50
2-Fluorobiphenyl	0	X	37 - 120				05/14/13 14:43	05/21/13 17:21	50
p-Terphenyl-d14	0	X	65 - 153				05/14/13 14:43	05/21/13 17:21	50

Client Sample ID: DPT-15(17.0-17.5)

Lab Sample ID: 480-38154-5

Date Collected: 05/10/13 11:10

Matrix: Solid

Date Received: 05/11/13 02:00

Percent Solids: 72.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	32	J	1200	14	ug/Kg	☼	05/14/13 14:43	05/21/13 17:46	5
Acenaphthylene	ND		1200	9.5	ug/Kg	☼	05/14/13 14:43	05/21/13 17:46	5
Anthracene	160	J	1200	30	ug/Kg	☼	05/14/13 14:43	05/21/13 17:46	5
Benz(a)anthracene	740	J	1200	20	ug/Kg	☼	05/14/13 14:43	05/21/13 17:46	5
Benzo(a)pyrene	700	J	1200	28	ug/Kg	☼	05/14/13 14:43	05/21/13 17:46	5
Benzo(b)fluoranthene	1200		1200	23	ug/Kg	☼	05/14/13 14:43	05/21/13 17:46	5
Benzo(g,h,i)perylene	270	J	1200	14	ug/Kg	☼	05/14/13 14:43	05/21/13 17:46	5
Benzo(k)fluoranthene	460	J	1200	13	ug/Kg	☼	05/14/13 14:43	05/21/13 17:46	5
Chrysene	620	J	1200	12	ug/Kg	☼	05/14/13 14:43	05/21/13 17:46	5
Dibenz(a,h)anthracene	ND		1200	14	ug/Kg	☼	05/14/13 14:43	05/21/13 17:46	5
Fluoranthene	1100	J	1200	17	ug/Kg	☼	05/14/13 14:43	05/21/13 17:46	5
Fluorene	ND		1200	27	ug/Kg	☼	05/14/13 14:43	05/21/13 17:46	5
Indeno(1,2,3-c,d)pyrene	970	J	1200	32	ug/Kg	☼	05/14/13 14:43	05/21/13 17:46	5
Naphthalene	1700		1200	19	ug/Kg	☼	05/14/13 14:43	05/21/13 17:46	5
Phenanthrene	480	J	1200	24	ug/Kg	☼	05/14/13 14:43	05/21/13 17:46	5
Pyrene	950	J	1200	7.5	ug/Kg	☼	05/14/13 14:43	05/21/13 17:46	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	69		34 - 132				05/14/13 14:43	05/21/13 17:46	5
2-Fluorobiphenyl	79		37 - 120				05/14/13 14:43	05/21/13 17:46	5
p-Terphenyl-d14	81		65 - 153				05/14/13 14:43	05/21/13 17:46	5

Client Sample ID: DPT-16(9.5-10.0)

Lab Sample ID: 480-38154-6

Date Collected: 05/10/13 13:00

Matrix: Solid

Date Received: 05/11/13 02:00

Percent Solids: 73.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5400	1500	ug/Kg	☼	05/17/13 17:16	05/18/13 05:23	40
1,1,2,2-Tetrachloroethane	ND		5400	880	ug/Kg	☼	05/17/13 17:16	05/18/13 05:23	40
1,1,2-Trichloroethane	ND		5400	1100	ug/Kg	☼	05/17/13 17:16	05/18/13 05:23	40
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5400	2700	ug/Kg	☼	05/17/13 17:16	05/18/13 05:23	40
1,1-Dichloroethane	ND		5400	1700	ug/Kg	☼	05/17/13 17:16	05/18/13 05:23	40
1,1-Dichloroethene	ND		5400	1900	ug/Kg	☼	05/17/13 17:16	05/18/13 05:23	40
1,2,4-Trichlorobenzene	2900	J	5400	2000	ug/Kg	☼	05/17/13 17:16	05/18/13 05:23	40
1,2-Dibromo-3-Chloropropane	ND		5400	2700	ug/Kg	☼	05/17/13 17:16	05/18/13 05:23	40

TestAmerica Buffalo

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Troy Chevron Asphalt Terminal - 194098

TestAmerica Job ID: 480-37943-1

Client Sample ID: DPT-16(9.5-10.0)

Lab Sample ID: 480-38154-6

Date Collected: 05/10/13 13:00

Matrix: Solid

Date Received: 05/11/13 02:00

Percent Solids: 73.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		5400	210	ug/Kg	☼	05/17/13 17:16	05/18/13 05:23	40
1,2-Dichlorobenzene	ND		5400	1400	ug/Kg	☼	05/17/13 17:16	05/18/13 05:23	40
1,2-Dichloroethane	ND		5400	2200	ug/Kg	☼	05/17/13 17:16	05/18/13 05:23	40
1,2-Dichloropropane	ND		5400	880	ug/Kg	☼	05/17/13 17:16	05/18/13 05:23	40
1,3-Dichlorobenzene	ND		5400	1400	ug/Kg	☼	05/17/13 17:16	05/18/13 05:23	40
1,4-Dichlorobenzene	ND		5400	760	ug/Kg	☼	05/17/13 17:16	05/18/13 05:23	40
2-Hexanone	ND		27000	11000	ug/Kg	☼	05/17/13 17:16	05/18/13 05:23	40
2-Butanone (MEK)	ND		27000	16000	ug/Kg	☼	05/17/13 17:16	05/18/13 05:23	40
4-Methyl-2-pentanone (MIBK)	ND		27000	1700	ug/Kg	☼	05/17/13 17:16	05/18/13 05:23	40
Acetone	ND		27000	22000	ug/Kg	☼	05/17/13 17:16	05/18/13 05:23	40
Benzene	9000		5400	260	ug/Kg	☼	05/17/13 17:16	05/18/13 05:23	40
Bromodichloromethane	ND		5400	1100	ug/Kg	☼	05/17/13 17:16	05/18/13 05:23	40
Bromoform	ND		5400	2700	ug/Kg	☼	05/17/13 17:16	05/18/13 05:23	40
Bromomethane	ND		5400	1200	ug/Kg	☼	05/17/13 17:16	05/18/13 05:23	40
Carbon disulfide	ND		5400	2500	ug/Kg	☼	05/17/13 17:16	05/18/13 05:23	40
Carbon tetrachloride	ND		5400	1400	ug/Kg	☼	05/17/13 17:16	05/18/13 05:23	40
Chlorobenzene	ND		5400	710	ug/Kg	☼	05/17/13 17:16	05/18/13 05:23	40
Dibromochloromethane	ND		5400	2600	ug/Kg	☼	05/17/13 17:16	05/18/13 05:23	40
Chloroethane	ND		5400	1100	ug/Kg	☼	05/17/13 17:16	05/18/13 05:23	40
Chloroform	ND		5400	3700	ug/Kg	☼	05/17/13 17:16	05/18/13 05:23	40
Chloromethane	ND		5400	1300	ug/Kg	☼	05/17/13 17:16	05/18/13 05:23	40
cis-1,2-Dichloroethene	ND		5400	1500	ug/Kg	☼	05/17/13 17:16	05/18/13 05:23	40
cis-1,3-Dichloropropene	ND		5400	1300	ug/Kg	☼	05/17/13 17:16	05/18/13 05:23	40
Cyclohexane	ND		5400	1200	ug/Kg	☼	05/17/13 17:16	05/18/13 05:23	40
Dichlorodifluoromethane	ND		5400	2400	ug/Kg	☼	05/17/13 17:16	05/18/13 05:23	40
Ethylbenzene	1700 J		5400	1600	ug/Kg	☼	05/17/13 17:16	05/18/13 05:23	40
Isopropylbenzene	ND		5400	810	ug/Kg	☼	05/17/13 17:16	05/18/13 05:23	40
Methyl acetate	ND		5400	2600	ug/Kg	☼	05/17/13 17:16	05/18/13 05:23	40
Methyl tert-butyl ether	ND		5400	2000	ug/Kg	☼	05/17/13 17:16	05/18/13 05:23	40
Methylcyclohexane	ND		5400	2500	ug/Kg	☼	05/17/13 17:16	05/18/13 05:23	40
Methylene Chloride	1100 J B		5400	1100	ug/Kg	☼	05/17/13 17:16	05/18/13 05:23	40
Styrene	ND		5400	1300	ug/Kg	☼	05/17/13 17:16	05/18/13 05:23	40
Tetrachloroethene	ND		5400	730	ug/Kg	☼	05/17/13 17:16	05/18/13 05:23	40
Toluene	19000		5400	1400	ug/Kg	☼	05/17/13 17:16	05/18/13 05:23	40
trans-1,2-Dichloroethene	ND		5400	1300	ug/Kg	☼	05/17/13 17:16	05/18/13 05:23	40
trans-1,3-Dichloropropene	ND		5400	260	ug/Kg	☼	05/17/13 17:16	05/18/13 05:23	40
Trichloroethene	ND		5400	1500	ug/Kg	☼	05/17/13 17:16	05/18/13 05:23	40
Trichlorofluoromethane	ND		5400	2500	ug/Kg	☼	05/17/13 17:16	05/18/13 05:23	40
Vinyl chloride	ND		5400	1800	ug/Kg	☼	05/17/13 17:16	05/18/13 05:23	40
Xylenes, Total	46000		11000	910	ug/Kg	☼	05/17/13 17:16	05/18/13 05:23	40

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	35000		ug/Kg	☼	8.88	179601-23-1	05/17/13 17:16	05/18/13 05:23	40
Benzene, 1-propynyl-	53000	T J N	ug/Kg	☼	11.45	673-32-5	05/17/13 17:16	05/18/13 05:23	40
Benzofuran, 2-methyl-	68000	T J N	ug/Kg	☼	12.08	4265-25-2	05/17/13 17:16	05/18/13 05:23	40
Naphthalene	2000000	E	ug/Kg	☼	12.99	91-20-3	05/17/13 17:16	05/18/13 05:23	40
Benzo[c]thiophene	120000	T J N	ug/Kg	☼	13.09	270-82-6	05/17/13 17:16	05/18/13 05:23	40
Naphthalene, 2-methyl-	740000	T J N	ug/Kg	☼	13.89	91-57-6	05/17/13 17:16	05/18/13 05:23	40
Naphthalene, 1-methyl-	280000	T J N	ug/Kg	☼	14.05	90-12-0	05/17/13 17:16	05/18/13 05:23	40
Biphenyl	51000	T J N	ug/Kg	☼	14.47	92-52-4	05/17/13 17:16	05/18/13 05:23	40

TestAmerica Buffalo

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Troy Chevron Asphalt Terminal - 194098

TestAmerica Job ID: 480-37943-1

Client Sample ID: DPT-16(9.5-10.0)

Lab Sample ID: 480-38154-6

Date Collected: 05/10/13 13:00

Matrix: Solid

Date Received: 05/11/13 02:00

Percent Solids: 73.8

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

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Naphthalene, 2,7-dimethyl-	67000	T J N	ug/Kg	☼	14.73	582-16-1	05/17/13 17:16	05/18/13 05:23	40
Naphthalene, 2,6-dimethyl-	83000	T J N	ug/Kg	☼	14.86	581-42-0	05/17/13 17:16	05/18/13 05:23	40
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		53 - 146				05/17/13 17:16	05/18/13 05:23	40
Toluene-d8 (Surr)	94		50 - 149				05/17/13 17:16	05/18/13 05:23	40
4-Bromofluorobenzene (Surr)	89		49 - 148				05/17/13 17:16	05/18/13 05:23	40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	120000	J	160000	1900	ug/Kg	☼	05/14/13 14:43	05/21/13 18:10	50
Acenaphthylene	270000		160000	1300	ug/Kg	☼	05/14/13 14:43	05/21/13 18:10	50
Anthracene	1000000		160000	4100	ug/Kg	☼	05/14/13 14:43	05/21/13 18:10	50
Benz(a)anthracene	1300000		160000	2700	ug/Kg	☼	05/14/13 14:43	05/21/13 18:10	50
Benzo(a)pyrene	840000		160000	3800	ug/Kg	☼	05/14/13 14:43	05/21/13 18:10	50
Benzo(b)fluoranthene	1200000		160000	3100	ug/Kg	☼	05/14/13 14:43	05/21/13 18:10	50
Benzo(g,h,i)perylene	290000		160000	1900	ug/Kg	☼	05/14/13 14:43	05/21/13 18:10	50
Benzo(k)fluoranthene	560000		160000	1700	ug/Kg	☼	05/14/13 14:43	05/21/13 18:10	50
Chrysene	1100000		160000	1600	ug/Kg	☼	05/14/13 14:43	05/21/13 18:10	50
Dibenz(a,h)anthracene	210000		160000	1900	ug/Kg	☼	05/14/13 14:43	05/21/13 18:10	50
Fluoranthene	2900000		160000	2300	ug/Kg	☼	05/14/13 14:43	05/21/13 18:10	50
Fluorene	1300000		160000	3700	ug/Kg	☼	05/14/13 14:43	05/21/13 18:10	50
Indeno(1,2,3-c,d)pyrene	360000		160000	4400	ug/Kg	☼	05/14/13 14:43	05/21/13 18:10	50
Naphthalene	6200000	E	160000	2600	ug/Kg	☼	05/14/13 14:43	05/21/13 18:10	50
Phenanthrene	4800000		160000	3300	ug/Kg	☼	05/14/13 14:43	05/21/13 18:10	50
Pyrene	1700000		160000	1000	ug/Kg	☼	05/14/13 14:43	05/21/13 18:10	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	0	X	34 - 132				05/14/13 14:43	05/21/13 18:10	50
2-Fluorobiphenyl	0	X	37 - 120				05/14/13 14:43	05/21/13 18:10	50
p-Terphenyl-d14	0	X	65 - 153				05/14/13 14:43	05/21/13 18:10	50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	110000	J	800000	9300	ug/Kg	☼	05/14/13 14:43	05/22/13 12:26	250
Acenaphthylene	240000	J	800000	6500	ug/Kg	☼	05/14/13 14:43	05/22/13 12:26	250
Anthracene	990000		800000	20000	ug/Kg	☼	05/14/13 14:43	05/22/13 12:26	250
Benz(a)anthracene	1400000		800000	14000	ug/Kg	☼	05/14/13 14:43	05/22/13 12:26	250
Benzo(a)pyrene	730000	J	800000	19000	ug/Kg	☼	05/14/13 14:43	05/22/13 12:26	250
Benzo(b)fluoranthene	1500000		800000	15000	ug/Kg	☼	05/14/13 14:43	05/22/13 12:26	250
Benzo(g,h,i)perylene	500000	J	800000	9500	ug/Kg	☼	05/14/13 14:43	05/22/13 12:26	250
Benzo(k)fluoranthene	540000	J	800000	8700	ug/Kg	☼	05/14/13 14:43	05/22/13 12:26	250
Chrysene	1300000		800000	7900	ug/Kg	☼	05/14/13 14:43	05/22/13 12:26	250
Dibenz(a,h)anthracene	670000	J	800000	9300	ug/Kg	☼	05/14/13 14:43	05/22/13 12:26	250
Fluoranthene	3100000		800000	12000	ug/Kg	☼	05/14/13 14:43	05/22/13 12:26	250
Fluorene	1300000		800000	18000	ug/Kg	☼	05/14/13 14:43	05/22/13 12:26	250
Indeno(1,2,3-c,d)pyrene	900000		800000	22000	ug/Kg	☼	05/14/13 14:43	05/22/13 12:26	250
Naphthalene	6800000		800000	13000	ug/Kg	☼	05/14/13 14:43	05/22/13 12:26	250
Phenanthrene	5200000		800000	17000	ug/Kg	☼	05/14/13 14:43	05/22/13 12:26	250
Pyrene	2200000		800000	5100	ug/Kg	☼	05/14/13 14:43	05/22/13 12:26	250

TestAmerica Buffalo

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Troy Chevron Asphalt Terminal - 194098

TestAmerica Job ID: 480-37943-1

Client Sample ID: DPT-16(9.5-10.0)

Lab Sample ID: 480-38154-6

Date Collected: 05/10/13 13:00

Matrix: Solid

Date Received: 05/11/13 02:00

Percent Solids: 73.8

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	0	X	34 - 132	05/14/13 14:43	05/22/13 12:26	250
2-Fluorobiphenyl	0	X	37 - 120	05/14/13 14:43	05/22/13 12:26	250
p-Terphenyl-d14	0	X	65 - 153	05/14/13 14:43	05/22/13 12:26	250

Client Sample ID: DPT-17(18.5-19.0)

Lab Sample ID: 480-38154-7

Date Collected: 05/10/13 13:30

Matrix: Solid

Date Received: 05/11/13 02:00

Percent Solids: 79.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	36	J	210	2.5	ug/Kg	☼	05/14/13 14:43	05/21/13 18:35	1
Acenaphthylene	16	J	210	1.7	ug/Kg	☼	05/14/13 14:43	05/21/13 18:35	1
Anthracene	63	J	210	5.4	ug/Kg	☼	05/14/13 14:43	05/21/13 18:35	1
Benz(a)anthracene	180	J	210	3.6	ug/Kg	☼	05/14/13 14:43	05/21/13 18:35	1
Benzo(a)pyrene	160	J	210	5.1	ug/Kg	☼	05/14/13 14:43	05/21/13 18:35	1
Benzo(b)fluoranthene	330		210	4.1	ug/Kg	☼	05/14/13 14:43	05/21/13 18:35	1
Benzo(g,h,i)perylene	83	J	210	2.5	ug/Kg	☼	05/14/13 14:43	05/21/13 18:35	1
Benzo(k)fluoranthene	96	J	210	2.3	ug/Kg	☼	05/14/13 14:43	05/21/13 18:35	1
Chrysene	190	J	210	2.1	ug/Kg	☼	05/14/13 14:43	05/21/13 18:35	1
Dibenz(a,h)anthracene	170	J	210	2.5	ug/Kg	☼	05/14/13 14:43	05/21/13 18:35	1
Fluoranthene	360		210	3.1	ug/Kg	☼	05/14/13 14:43	05/21/13 18:35	1
Fluorene	37	J	210	4.9	ug/Kg	☼	05/14/13 14:43	05/21/13 18:35	1
Indeno(1,2,3-c,d)pyrene	200	J	210	5.8	ug/Kg	☼	05/14/13 14:43	05/21/13 18:35	1
Naphthalene	100	J	210	3.5	ug/Kg	☼	05/14/13 14:43	05/21/13 18:35	1
Phenanthrene	410		210	4.4	ug/Kg	☼	05/14/13 14:43	05/21/13 18:35	1
Pyrene	280		210	1.4	ug/Kg	☼	05/14/13 14:43	05/21/13 18:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	72		34 - 132				05/14/13 14:43	05/21/13 18:35	1
2-Fluorobiphenyl	80		37 - 120				05/14/13 14:43	05/21/13 18:35	1
p-Terphenyl-d14	87		65 - 153				05/14/13 14:43	05/21/13 18:35	1

Client Sample ID: DPT-18(3.5-4.0)

Lab Sample ID: 480-38154-8

Date Collected: 05/10/13 14:30

Matrix: Solid

Date Received: 05/11/13 02:00

Percent Solids: 88.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4500	1200	ug/Kg	☼	05/17/13 17:16	05/18/13 05:45	40
1,1,2,2-Tetrachloroethane	ND		4500	730	ug/Kg	☼	05/17/13 17:16	05/18/13 05:45	40
1,1,2-Trichloroethane	ND		4500	940	ug/Kg	☼	05/17/13 17:16	05/18/13 05:45	40
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4500	2200	ug/Kg	☼	05/17/13 17:16	05/18/13 05:45	40
1,1-Dichloroethane	ND		4500	1400	ug/Kg	☼	05/17/13 17:16	05/18/13 05:45	40
1,1-Dichloroethene	ND		4500	1500	ug/Kg	☼	05/17/13 17:16	05/18/13 05:45	40
1,2,4-Trichlorobenzene	ND		4500	1700	ug/Kg	☼	05/17/13 17:16	05/18/13 05:45	40
1,2-Dibromo-3-Chloropropane	ND		4500	2200	ug/Kg	☼	05/17/13 17:16	05/18/13 05:45	40
1,2-Dibromoethane	ND		4500	170	ug/Kg	☼	05/17/13 17:16	05/18/13 05:45	40
1,2-Dichlorobenzene	ND		4500	1100	ug/Kg	☼	05/17/13 17:16	05/18/13 05:45	40
1,2-Dichloroethane	ND		4500	1800	ug/Kg	☼	05/17/13 17:16	05/18/13 05:45	40
1,2-Dichloropropane	ND		4500	730	ug/Kg	☼	05/17/13 17:16	05/18/13 05:45	40
1,3-Dichlorobenzene	ND		4500	1200	ug/Kg	☼	05/17/13 17:16	05/18/13 05:45	40

TestAmerica Buffalo

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Troy Chevron Asphalt Terminal - 194098

TestAmerica Job ID: 480-37943-1

Client Sample ID: DPT-18(3.5-4.0)

Lab Sample ID: 480-38154-8

Date Collected: 05/10/13 14:30

Matrix: Solid

Date Received: 05/11/13 02:00

Percent Solids: 88.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		4500	630	ug/Kg	☼	05/17/13 17:16	05/18/13 05:45	40
2-Hexanone	ND		22000	9200	ug/Kg	☼	05/17/13 17:16	05/18/13 05:45	40
2-Butanone (MEK)	ND		22000	13000	ug/Kg	☼	05/17/13 17:16	05/18/13 05:45	40
4-Methyl-2-pentanone (MIBK)	ND		22000	1400	ug/Kg	☼	05/17/13 17:16	05/18/13 05:45	40
Acetone	ND		22000	18000	ug/Kg	☼	05/17/13 17:16	05/18/13 05:45	40
Benzene	ND		4500	210	ug/Kg	☼	05/17/13 17:16	05/18/13 05:45	40
Bromodichloromethane	ND		4500	900	ug/Kg	☼	05/17/13 17:16	05/18/13 05:45	40
Bromoform	ND		4500	2200	ug/Kg	☼	05/17/13 17:16	05/18/13 05:45	40
Bromomethane	ND		4500	980	ug/Kg	☼	05/17/13 17:16	05/18/13 05:45	40
Carbon disulfide	ND		4500	2000	ug/Kg	☼	05/17/13 17:16	05/18/13 05:45	40
Carbon tetrachloride	ND		4500	1100	ug/Kg	☼	05/17/13 17:16	05/18/13 05:45	40
Chlorobenzene	ND		4500	590	ug/Kg	☼	05/17/13 17:16	05/18/13 05:45	40
Dibromochloromethane	ND		4500	2200	ug/Kg	☼	05/17/13 17:16	05/18/13 05:45	40
Chloroethane	ND		4500	930	ug/Kg	☼	05/17/13 17:16	05/18/13 05:45	40
Chloroform	ND		4500	3100	ug/Kg	☼	05/17/13 17:16	05/18/13 05:45	40
Chloromethane	ND		4500	1100	ug/Kg	☼	05/17/13 17:16	05/18/13 05:45	40
cis-1,2-Dichloroethene	ND		4500	1200	ug/Kg	☼	05/17/13 17:16	05/18/13 05:45	40
cis-1,3-Dichloropropene	ND		4500	1100	ug/Kg	☼	05/17/13 17:16	05/18/13 05:45	40
Cyclohexane	ND		4500	990	ug/Kg	☼	05/17/13 17:16	05/18/13 05:45	40
Dichlorodifluoromethane	ND		4500	2000	ug/Kg	☼	05/17/13 17:16	05/18/13 05:45	40
Ethylbenzene	ND		4500	1300	ug/Kg	☼	05/17/13 17:16	05/18/13 05:45	40
Isopropylbenzene	ND		4500	670	ug/Kg	☼	05/17/13 17:16	05/18/13 05:45	40
Methyl acetate	ND		4500	2100	ug/Kg	☼	05/17/13 17:16	05/18/13 05:45	40
Methyl tert-butyl ether	ND		4500	1700	ug/Kg	☼	05/17/13 17:16	05/18/13 05:45	40
Methylcyclohexane	ND		4500	2100	ug/Kg	☼	05/17/13 17:16	05/18/13 05:45	40
Methylene Chloride	ND		4500	890	ug/Kg	☼	05/17/13 17:16	05/18/13 05:45	40
Styrene	ND		4500	1100	ug/Kg	☼	05/17/13 17:16	05/18/13 05:45	40
Tetrachloroethene	ND		4500	600	ug/Kg	☼	05/17/13 17:16	05/18/13 05:45	40
Toluene	ND		4500	1200	ug/Kg	☼	05/17/13 17:16	05/18/13 05:45	40
trans-1,2-Dichloroethene	ND		4500	1100	ug/Kg	☼	05/17/13 17:16	05/18/13 05:45	40
trans-1,3-Dichloropropene	ND		4500	210	ug/Kg	☼	05/17/13 17:16	05/18/13 05:45	40
Trichloroethene	ND		4500	1200	ug/Kg	☼	05/17/13 17:16	05/18/13 05:45	40
Trichlorofluoromethane	ND		4500	2100	ug/Kg	☼	05/17/13 17:16	05/18/13 05:45	40
Vinyl chloride	ND		4500	1500	ug/Kg	☼	05/17/13 17:16	05/18/13 05:45	40
Xylenes, Total	ND		9000	750	ug/Kg	☼	05/17/13 17:16	05/18/13 05:45	40

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Naphthalene, decahydro-	64000	T J N	ug/Kg	☼	11.29	91-17-8	05/17/13 17:16	05/18/13 05:45	40
1-Tetracosanol	63000	T J N	ug/Kg	☼	11.56	506-51-4	05/17/13 17:16	05/18/13 05:45	40
Naphthalene, decahydro-2-methyl-	58000	T J N	ug/Kg	☼	12.05	2958-76-1	05/17/13 17:16	05/18/13 05:45	40
Naphthalene, decahydro-2,6-dimethyl-	77000	T J N	ug/Kg	☼	12.53	1618-22-0	05/17/13 17:16	05/18/13 05:45	40
Cyclopentane, 1-pentyl-2-propyl-	70000	T J N	ug/Kg	☼	13.06	62199-51-3	05/17/13 17:16	05/18/13 05:45	40
Tridecane	110000	T J N	ug/Kg	☼	13.17	629-50-5	05/17/13 17:16	05/18/13 05:45	40
Tetradecane	160000	T J N	ug/Kg	☼	13.93	629-59-4	05/17/13 17:16	05/18/13 05:45	40
Dodecane, 2-methyl-8-propyl-	64000	T J N	ug/Kg	☼	14.38	55045-7-3	05/17/13 17:16	05/18/13 05:45	40
1H-Indene, octahydro-2,2,4,4,7,7-hexamet	91000	T J N	ug/Kg	☼	14.63	54832-83-6	05/17/13 17:16	05/18/13 05:45	40
Naphthalene, 2,3-dimethyl-	57000	T J N	ug/Kg	☼	14.72	581-40-8	05/17/13 17:16	05/18/13 05:45	40

TestAmerica Buffalo

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Troy Chevron Asphalt Terminal - 194098

TestAmerica Job ID: 480-37943-1

Client Sample ID: DPT-18(3.5-4.0)

Lab Sample ID: 480-38154-8

Date Collected: 05/10/13 14:30

Matrix: Solid

Date Received: 05/11/13 02:00

Percent Solids: 88.7

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	117		53 - 146	05/17/13 17:16	05/18/13 05:45	40
Toluene-d8 (Surr)	94		50 - 149	05/17/13 17:16	05/18/13 05:45	40
4-Bromofluorobenzene (Surr)	105		49 - 148	05/17/13 17:16	05/18/13 05:45	40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		1900	22	ug/Kg	✱	05/14/13 14:43	05/21/13 18:59	10
Acenaphthylene	ND		1900	15	ug/Kg	✱	05/14/13 14:43	05/21/13 18:59	10
Anthracene	120	J	1900	48	ug/Kg	✱	05/14/13 14:43	05/21/13 18:59	10
Benz(a)anthracene	220	J	1900	33	ug/Kg	✱	05/14/13 14:43	05/21/13 18:59	10
Benzo(a)pyrene	110	J	1900	45	ug/Kg	✱	05/14/13 14:43	05/21/13 18:59	10
Benzo(b)fluoranthene	1300	J	1900	37	ug/Kg	✱	05/14/13 14:43	05/21/13 18:59	10
Benzo(g,h,i)perylene	97	J	1900	23	ug/Kg	✱	05/14/13 14:43	05/21/13 18:59	10
Benzo(k)fluoranthene	180	J	1900	21	ug/Kg	✱	05/14/13 14:43	05/21/13 18:59	10
Chrysene	420	J	1900	19	ug/Kg	✱	05/14/13 14:43	05/21/13 18:59	10
Dibenz(a,h)anthracene	ND		1900	22	ug/Kg	✱	05/14/13 14:43	05/21/13 18:59	10
Fluoranthene	520	J	1900	27	ug/Kg	✱	05/14/13 14:43	05/21/13 18:59	10
Fluorene	ND		1900	43	ug/Kg	✱	05/14/13 14:43	05/21/13 18:59	10
Indeno(1,2,3-c,d)pyrene	1300	J	1900	52	ug/Kg	✱	05/14/13 14:43	05/21/13 18:59	10
Naphthalene	75000	E	1900	31	ug/Kg	✱	05/14/13 14:43	05/21/13 18:59	10
Phenanthrene	530	J	1900	40	ug/Kg	✱	05/14/13 14:43	05/21/13 18:59	10
Pyrene	300	J	1900	12	ug/Kg	✱	05/14/13 14:43	05/21/13 18:59	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	82		34 - 132	05/14/13 14:43	05/21/13 18:59	10
2-Fluorobiphenyl	84		37 - 120	05/14/13 14:43	05/21/13 18:59	10
p-Terphenyl-d14	79		65 - 153	05/14/13 14:43	05/21/13 18:59	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		9500	110	ug/Kg	✱	05/14/13 14:43	05/22/13 14:03	50
Acenaphthylene	ND		9500	77	ug/Kg	✱	05/14/13 14:43	05/22/13 14:03	50
Anthracene	ND		9500	240	ug/Kg	✱	05/14/13 14:43	05/22/13 14:03	50
Benz(a)anthracene	ND		9500	160	ug/Kg	✱	05/14/13 14:43	05/22/13 14:03	50
Benzo(a)pyrene	ND		9500	230	ug/Kg	✱	05/14/13 14:43	05/22/13 14:03	50
Benzo(b)fluoranthene	ND		9500	180	ug/Kg	✱	05/14/13 14:43	05/22/13 14:03	50
Benzo(g,h,i)perylene	ND		9500	110	ug/Kg	✱	05/14/13 14:43	05/22/13 14:03	50
Benzo(k)fluoranthene	ND		9500	100	ug/Kg	✱	05/14/13 14:43	05/22/13 14:03	50
Chrysene	450	J	9500	94	ug/Kg	✱	05/14/13 14:43	05/22/13 14:03	50
Dibenz(a,h)anthracene	ND		9500	110	ug/Kg	✱	05/14/13 14:43	05/22/13 14:03	50
Fluoranthene	550	J	9500	140	ug/Kg	✱	05/14/13 14:43	05/22/13 14:03	50
Fluorene	ND		9500	220	ug/Kg	✱	05/14/13 14:43	05/22/13 14:03	50
Indeno(1,2,3-c,d)pyrene	ND		9500	260	ug/Kg	✱	05/14/13 14:43	05/22/13 14:03	50
Naphthalene	82000		9500	160	ug/Kg	✱	05/14/13 14:43	05/22/13 14:03	50
Phenanthrene	530	J	9500	200	ug/Kg	✱	05/14/13 14:43	05/22/13 14:03	50
Pyrene	ND		9500	61	ug/Kg	✱	05/14/13 14:43	05/22/13 14:03	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	0	X	34 - 132	05/14/13 14:43	05/22/13 14:03	50
2-Fluorobiphenyl	83		37 - 120	05/14/13 14:43	05/22/13 14:03	50
p-Terphenyl-d14	88		65 - 153	05/14/13 14:43	05/22/13 14:03	50

TestAmerica Buffalo

Client Sample Results

Client: TRC Solutions, Inc.

TestAmerica Job ID: 480-37943-1

Project/Site: Troy Chevron Asphalt Terminal - 194098

Client Sample ID: DPT-19(15.5-16.0)

Lab Sample ID: 480-38154-9

Date Collected: 05/10/13 15:30

Matrix: Solid

Date Received: 05/11/13 02:00

Percent Solids: 88.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		190	2.2	ug/Kg	☼	05/14/13 14:43	05/21/13 19:23	1
Acenaphthylene	ND		190	1.6	ug/Kg	☼	05/14/13 14:43	05/21/13 19:23	1
Anthracene	8.3	J	190	4.9	ug/Kg	☼	05/14/13 14:43	05/21/13 19:23	1
Benz(a)anthracene	30	J	190	3.3	ug/Kg	☼	05/14/13 14:43	05/21/13 19:23	1
Benzo(a)pyrene	27	J	190	4.6	ug/Kg	☼	05/14/13 14:43	05/21/13 19:23	1
Benzo(b)fluoranthene	140	J	190	3.7	ug/Kg	☼	05/14/13 14:43	05/21/13 19:23	1
Benzo(g,h,i)perylene	14	J	190	2.3	ug/Kg	☼	05/14/13 14:43	05/21/13 19:23	1
Benzo(k)fluoranthene	18	J	190	2.1	ug/Kg	☼	05/14/13 14:43	05/21/13 19:23	1
Chrysene	56	J	190	1.9	ug/Kg	☼	05/14/13 14:43	05/21/13 19:23	1
Dibenz(a,h)anthracene	ND		190	2.2	ug/Kg	☼	05/14/13 14:43	05/21/13 19:23	1
Fluoranthene	40	J	190	2.8	ug/Kg	☼	05/14/13 14:43	05/21/13 19:23	1
Fluorene	8.1	J	190	4.4	ug/Kg	☼	05/14/13 14:43	05/21/13 19:23	1
Indeno(1,2,3-c,d)pyrene	140	J	190	5.3	ug/Kg	☼	05/14/13 14:43	05/21/13 19:23	1
Naphthalene	250		190	3.2	ug/Kg	☼	05/14/13 14:43	05/21/13 19:23	1
Phenanthrene	73	J	190	4.0	ug/Kg	☼	05/14/13 14:43	05/21/13 19:23	1
Pyrene	29	J	190	1.2	ug/Kg	☼	05/14/13 14:43	05/21/13 19:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	80		34 - 132	05/14/13 14:43	05/21/13 19:23	1
2-Fluorobiphenyl	90		37 - 120	05/14/13 14:43	05/21/13 19:23	1
p-Terphenyl-d14	96		65 - 153	05/14/13 14:43	05/21/13 19:23	1

Client Sample ID: DPT-22(13.5-14.0)

Lab Sample ID: 480-38154-10

Date Collected: 05/10/13 10:00

Matrix: Solid

Date Received: 05/11/13 02:00

Percent Solids: 75.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		63	4.6	ug/Kg	☼	05/13/13 10:13	05/13/13 19:25	1
1,1,1,2-Tetrachloroethane	ND		63	10	ug/Kg	☼	05/13/13 10:13	05/13/13 19:25	1
1,1,2-Trichloroethane	ND		63	8.2	ug/Kg	☼	05/13/13 10:13	05/13/13 19:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		63	14	ug/Kg	☼	05/13/13 10:13	05/13/13 19:25	1
1,1-Dichloroethane	ND		63	7.7	ug/Kg	☼	05/13/13 10:13	05/13/13 19:25	1
1,1-Dichloroethene	ND		63	7.8	ug/Kg	☼	05/13/13 10:13	05/13/13 19:25	1
1,2,4-Trichlorobenzene	ND		63	3.9	ug/Kg	☼	05/13/13 10:13	05/13/13 19:25	1
1,2-Dibromo-3-Chloropropane	ND		63	32	ug/Kg	☼	05/13/13 10:13	05/13/13 19:25	1
1,2-Dibromoethane	ND		63	8.1	ug/Kg	☼	05/13/13 10:13	05/13/13 19:25	1
1,2-Dichlorobenzene	ND		63	5.0	ug/Kg	☼	05/13/13 10:13	05/13/13 19:25	1
1,2-Dichloroethane	ND		63	3.2	ug/Kg	☼	05/13/13 10:13	05/13/13 19:25	1
1,2-Dichloropropane	ND		63	32	ug/Kg	☼	05/13/13 10:13	05/13/13 19:25	1
1,3-Dichlorobenzene	ND		63	3.3	ug/Kg	☼	05/13/13 10:13	05/13/13 19:25	1
1,4-Dichlorobenzene	ND		63	8.9	ug/Kg	☼	05/13/13 10:13	05/13/13 19:25	1
2-Hexanone	ND		320	32	ug/Kg	☼	05/13/13 10:13	05/13/13 19:25	1
2-Butanone (MEK)	63	J	320	23	ug/Kg	☼	05/13/13 10:13	05/13/13 19:25	1
4-Methyl-2-pentanone (MIBK)	ND		320	21	ug/Kg	☼	05/13/13 10:13	05/13/13 19:25	1
Acetone	380		320	53	ug/Kg	☼	05/13/13 10:13	05/13/13 19:25	1
Benzene	ND		63	3.1	ug/Kg	☼	05/13/13 10:13	05/13/13 19:25	1
Bromodichloromethane	ND		63	8.5	ug/Kg	☼	05/13/13 10:13	05/13/13 19:25	1
Bromoform	ND		63	32	ug/Kg	☼	05/13/13 10:13	05/13/13 19:25	1
Bromomethane	ND		63	5.7	ug/Kg	☼	05/13/13 10:13	05/13/13 19:25	1

TestAmerica Buffalo

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Troy Chevron Asphalt Terminal - 194098

TestAmerica Job ID: 480-37943-1

Client Sample ID: DPT-22(13.5-14.0)

Lab Sample ID: 480-38154-10

Date Collected: 05/10/13 10:00

Matrix: Solid

Date Received: 05/11/13 02:00

Percent Solids: 75.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		63	32	ug/Kg	☼	05/13/13 10:13	05/13/13 19:25	1
Carbon tetrachloride	ND		63	6.1	ug/Kg	☼	05/13/13 10:13	05/13/13 19:25	1
Chlorobenzene	ND		63	8.4	ug/Kg	☼	05/13/13 10:13	05/13/13 19:25	1
Dibromochloromethane	ND		63	8.1	ug/Kg	☼	05/13/13 10:13	05/13/13 19:25	1
Chloroethane	ND		63	14	ug/Kg	☼	05/13/13 10:13	05/13/13 19:25	1
Chloroform	ND		63	3.9	ug/Kg	☼	05/13/13 10:13	05/13/13 19:25	1
Chloromethane	ND		63	3.8	ug/Kg	☼	05/13/13 10:13	05/13/13 19:25	1
cis-1,2-Dichloroethene	ND		63	8.1	ug/Kg	☼	05/13/13 10:13	05/13/13 19:25	1
cis-1,3-Dichloropropene	ND		63	9.1	ug/Kg	☼	05/13/13 10:13	05/13/13 19:25	1
Cyclohexane	ND		63	8.9	ug/Kg	☼	05/13/13 10:13	05/13/13 19:25	1
Dichlorodifluoromethane	ND		63	5.2	ug/Kg	☼	05/13/13 10:13	05/13/13 19:25	1
Ethylbenzene	10	J	63	4.4	ug/Kg	☼	05/13/13 10:13	05/13/13 19:25	1
Isopropylbenzene	ND		63	9.6	ug/Kg	☼	05/13/13 10:13	05/13/13 19:25	1
Methyl acetate	ND		63	12	ug/Kg	☼	05/13/13 10:13	05/13/13 19:25	1
Methyl tert-butyl ether	ND		63	6.2	ug/Kg	☼	05/13/13 10:13	05/13/13 19:25	1
Methylcyclohexane	ND		63	9.6	ug/Kg	☼	05/13/13 10:13	05/13/13 19:25	1
Methylene Chloride	ND		63	29	ug/Kg	☼	05/13/13 10:13	05/13/13 19:25	1
Styrene	ND		63	3.2	ug/Kg	☼	05/13/13 10:13	05/13/13 19:25	1
Tetrachloroethene	ND		63	8.5	ug/Kg	☼	05/13/13 10:13	05/13/13 19:25	1
Toluene	44	J	63	4.8	ug/Kg	☼	05/13/13 10:13	05/13/13 19:25	1
trans-1,2-Dichloroethene	ND		63	6.5	ug/Kg	☼	05/13/13 10:13	05/13/13 19:25	1
trans-1,3-Dichloropropene	ND		63	28	ug/Kg	☼	05/13/13 10:13	05/13/13 19:25	1
Trichloroethene	ND		63	14	ug/Kg	☼	05/13/13 10:13	05/13/13 19:25	1
Trichlorofluoromethane	ND		63	6.0	ug/Kg	☼	05/13/13 10:13	05/13/13 19:25	1
Vinyl chloride	ND		63	7.7	ug/Kg	☼	05/13/13 10:13	05/13/13 19:25	1
Xylenes, Total	14	J	130	11	ug/Kg	☼	05/13/13 10:13	05/13/13 19:25	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Ethane, 1,1-difluoro-	2500	T J N	ug/Kg	☼	1.94	75-37-6	05/13/13 10:13	05/13/13 19:25	1
Pentane, 2,3-dimethyl-	1900	T J N	ug/Kg	☼	5.01	565-59-3	05/13/13 10:13	05/13/13 19:25	1
Hexane, 2,4-dimethyl-	2100	T J N	ug/Kg	☼	5.94	589-43-5	05/13/13 10:13	05/13/13 19:25	1
Cyclopentane, 1,2,4-trimethyl-	1000	T J N	ug/Kg	☼	6.16	2815-58-9	05/13/13 10:13	05/13/13 19:25	1
Cyclopentane, 1,2,3-trimethyl-, (1.alpha	1300	T J N	ug/Kg	☼	6.30	15890-40-1	05/13/13 10:13	05/13/13 19:25	1
Pentane, 3-ethyl-2-methyl-	1000	T J N	ug/Kg	☼	6.45	609-26-7	05/13/13 10:13	05/13/13 19:25	1
Cyclohexane, 1,1,3-trimethyl-	2200	T J N	ug/Kg	☼	7.79	3073-66-3	05/13/13 10:13	05/13/13 19:25	1
Cyclohexane, 1-ethyl-2-methyl-	1400	T J N	ug/Kg	☼	8.89	3728-54-9	05/13/13 10:13	05/13/13 19:25	1
Octane, 3,6-dimethyl-	1300	T J N	ug/Kg	☼	9.00	15869-94-0	05/13/13 10:13	05/13/13 19:25	1
Heptane, 4-propyl-	1100	T J N	ug/Kg	☼	9.16	3178-29-8	05/13/13 10:13	05/13/13 19:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		64 - 126	05/13/13 10:13	05/13/13 19:25	1
Toluene-d8 (Surr)	101		71 - 125	05/13/13 10:13	05/13/13 19:25	1
4-Bromofluorobenzene (Surr)	98		72 - 126	05/13/13 10:13	05/13/13 19:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		1100	13	ug/Kg	☼	05/14/13 14:43	05/22/13 14:28	5
Acenaphthylene	ND		1100	8.9	ug/Kg	☼	05/14/13 14:43	05/22/13 14:28	5
Anthracene	ND		1100	28	ug/Kg	☼	05/14/13 14:43	05/22/13 14:28	5

TestAmerica Buffalo

Client Sample Results

Client: TRC Solutions, Inc.

TestAmerica Job ID: 480-37943-1

Project/Site: Troy Chevron Asphalt Terminal - 194098

Client Sample ID: DPT-22(13.5-14.0)

Lab Sample ID: 480-38154-10

Date Collected: 05/10/13 10:00

Matrix: Solid

Date Received: 05/11/13 02:00

Percent Solids: 75.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benz(a)anthracene	160	J	1100	19	ug/Kg	☼	05/14/13 14:43	05/22/13 14:28	5
Benzo(a)pyrene	110	J	1100	26	ug/Kg	☼	05/14/13 14:43	05/22/13 14:28	5
Benzo(b)fluoranthene	660	J	1100	21	ug/Kg	☼	05/14/13 14:43	05/22/13 14:28	5
Benzo(g,h,i)perylene	120	J	1100	13	ug/Kg	☼	05/14/13 14:43	05/22/13 14:28	5
Benzo(k)fluoranthene	75	J	1100	12	ug/Kg	☼	05/14/13 14:43	05/22/13 14:28	5
Chrysene	170	J	1100	11	ug/Kg	☼	05/14/13 14:43	05/22/13 14:28	5
Dibenz(a,h)anthracene	ND		1100	13	ug/Kg	☼	05/14/13 14:43	05/22/13 14:28	5
Fluoranthene	130	J	1100	16	ug/Kg	☼	05/14/13 14:43	05/22/13 14:28	5
Fluorene	ND		1100	25	ug/Kg	☼	05/14/13 14:43	05/22/13 14:28	5
Indeno(1,2,3-c,d)pyrene	800	J	1100	30	ug/Kg	☼	05/14/13 14:43	05/22/13 14:28	5
Naphthalene	ND		1100	18	ug/Kg	☼	05/14/13 14:43	05/22/13 14:28	5
Phenanthrene	91	J	1100	23	ug/Kg	☼	05/14/13 14:43	05/22/13 14:28	5
Pyrene	140	J	1100	7.1	ug/Kg	☼	05/14/13 14:43	05/22/13 14:28	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	36		34 - 132	05/14/13 14:43	05/22/13 14:28	5
2-Fluorobiphenyl	43		37 - 120	05/14/13 14:43	05/22/13 14:28	5
p-Terphenyl-d14	64	X	65 - 153	05/14/13 14:43	05/22/13 14:28	5

Client Sample ID: DPT-23(2.5-3.0)

Lab Sample ID: 480-38154-11

Date Collected: 05/10/13 11:15

Matrix: Solid

Date Received: 05/11/13 02:00

Percent Solids: 83.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	20	J	200	2.3	ug/Kg	☼	05/14/13 14:43	05/21/13 20:12	1
Acenaphthylene	ND		200	1.6	ug/Kg	☼	05/14/13 14:43	05/21/13 20:12	1
Anthracene	34	J	200	5.1	ug/Kg	☼	05/14/13 14:43	05/21/13 20:12	1
Benz(a)anthracene	370		200	3.4	ug/Kg	☼	05/14/13 14:43	05/21/13 20:12	1
Benzo(a)pyrene	720		200	4.8	ug/Kg	☼	05/14/13 14:43	05/21/13 20:12	1
Benzo(b)fluoranthene	890		200	3.9	ug/Kg	☼	05/14/13 14:43	05/21/13 20:12	1
Benzo(g,h,i)perylene	490		200	2.4	ug/Kg	☼	05/14/13 14:43	05/21/13 20:12	1
Benzo(k)fluoranthene	420		200	2.2	ug/Kg	☼	05/14/13 14:43	05/21/13 20:12	1
Chrysene	350		200	2.0	ug/Kg	☼	05/14/13 14:43	05/21/13 20:12	1
Dibenz(a,h)anthracene	240		200	2.3	ug/Kg	☼	05/14/13 14:43	05/21/13 20:12	1
Fluoranthene	290		200	2.9	ug/Kg	☼	05/14/13 14:43	05/21/13 20:12	1
Fluorene	8.3	J	200	4.6	ug/Kg	☼	05/14/13 14:43	05/21/13 20:12	1
Indeno(1,2,3-c,d)pyrene	490		200	5.5	ug/Kg	☼	05/14/13 14:43	05/21/13 20:12	1
Naphthalene	150	J	200	3.3	ug/Kg	☼	05/14/13 14:43	05/21/13 20:12	1
Phenanthrene	140	J	200	4.2	ug/Kg	☼	05/14/13 14:43	05/21/13 20:12	1
Pyrene	260		200	1.3	ug/Kg	☼	05/14/13 14:43	05/21/13 20:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	70		34 - 132	05/14/13 14:43	05/21/13 20:12	1
2-Fluorobiphenyl	80		37 - 120	05/14/13 14:43	05/21/13 20:12	1
p-Terphenyl-d14	82		65 - 153	05/14/13 14:43	05/21/13 20:12	1

TestAmerica Buffalo

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Troy Chevron Asphalt Terminal - 194098

TestAmerica Job ID: 480-37943-1

Client Sample ID: DPT-24(9.0-10.0)

Lab Sample ID: 480-38154-12

Date Collected: 05/10/13 12:00

Matrix: Solid

Date Received: 05/11/13 02:00

Percent Solids: 70.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5600	1500	ug/Kg	☼	05/17/13 17:16	05/18/13 06:08	40
1,1,2,2-Tetrachloroethane	ND		5600	900	ug/Kg	☼	05/17/13 17:16	05/18/13 06:08	40
1,1,2-Trichloroethane	ND		5600	1200	ug/Kg	☼	05/17/13 17:16	05/18/13 06:08	40
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5600	2800	ug/Kg	☼	05/17/13 17:16	05/18/13 06:08	40
1,1-Dichloroethane	ND		5600	1700	ug/Kg	☼	05/17/13 17:16	05/18/13 06:08	40
1,1-Dichloroethene	ND		5600	1900	ug/Kg	☼	05/17/13 17:16	05/18/13 06:08	40
1,2,4-Trichlorobenzene	ND		5600	2100	ug/Kg	☼	05/17/13 17:16	05/18/13 06:08	40
1,2-Dibromo-3-Chloropropane	ND		5600	2800	ug/Kg	☼	05/17/13 17:16	05/18/13 06:08	40
1,2-Dibromoethane	ND		5600	210	ug/Kg	☼	05/17/13 17:16	05/18/13 06:08	40
1,2-Dichlorobenzene	ND		5600	1400	ug/Kg	☼	05/17/13 17:16	05/18/13 06:08	40
1,2-Dichloroethane	ND		5600	2300	ug/Kg	☼	05/17/13 17:16	05/18/13 06:08	40
1,2-Dichloropropane	ND		5600	900	ug/Kg	☼	05/17/13 17:16	05/18/13 06:08	40
1,3-Dichlorobenzene	ND		5600	1500	ug/Kg	☼	05/17/13 17:16	05/18/13 06:08	40
1,4-Dichlorobenzene	ND		5600	780	ug/Kg	☼	05/17/13 17:16	05/18/13 06:08	40
2-Hexanone	ND		28000	11000	ug/Kg	☼	05/17/13 17:16	05/18/13 06:08	40
2-Butanone (MEK)	ND		28000	17000	ug/Kg	☼	05/17/13 17:16	05/18/13 06:08	40
4-Methyl-2-pentanone (MIBK)	ND		28000	1800	ug/Kg	☼	05/17/13 17:16	05/18/13 06:08	40
Acetone	ND		28000	23000	ug/Kg	☼	05/17/13 17:16	05/18/13 06:08	40
Benzene	ND		5600	270	ug/Kg	☼	05/17/13 17:16	05/18/13 06:08	40
Bromodichloromethane	ND		5600	1100	ug/Kg	☼	05/17/13 17:16	05/18/13 06:08	40
Bromoform	ND		5600	2800	ug/Kg	☼	05/17/13 17:16	05/18/13 06:08	40
Bromomethane	ND		5600	1200	ug/Kg	☼	05/17/13 17:16	05/18/13 06:08	40
Carbon disulfide	ND		5600	2500	ug/Kg	☼	05/17/13 17:16	05/18/13 06:08	40
Carbon tetrachloride	ND		5600	1400	ug/Kg	☼	05/17/13 17:16	05/18/13 06:08	40
Chlorobenzene	ND		5600	740	ug/Kg	☼	05/17/13 17:16	05/18/13 06:08	40
Dibromochloromethane	ND		5600	2700	ug/Kg	☼	05/17/13 17:16	05/18/13 06:08	40
Chloroethane	ND		5600	1200	ug/Kg	☼	05/17/13 17:16	05/18/13 06:08	40
Chloroform	ND		5600	3800	ug/Kg	☼	05/17/13 17:16	05/18/13 06:08	40
Chloromethane	ND		5600	1300	ug/Kg	☼	05/17/13 17:16	05/18/13 06:08	40
cis-1,2-Dichloroethene	ND		5600	1500	ug/Kg	☼	05/17/13 17:16	05/18/13 06:08	40
cis-1,3-Dichloropropene	ND		5600	1300	ug/Kg	☼	05/17/13 17:16	05/18/13 06:08	40
Cyclohexane	ND		5600	1200	ug/Kg	☼	05/17/13 17:16	05/18/13 06:08	40
Dichlorodifluoromethane	ND		5600	2400	ug/Kg	☼	05/17/13 17:16	05/18/13 06:08	40
Ethylbenzene	ND		5600	1600	ug/Kg	☼	05/17/13 17:16	05/18/13 06:08	40
Isopropylbenzene	ND		5600	840	ug/Kg	☼	05/17/13 17:16	05/18/13 06:08	40
Methyl acetate	ND		5600	2700	ug/Kg	☼	05/17/13 17:16	05/18/13 06:08	40
Methyl tert-butyl ether	ND		5600	2100	ug/Kg	☼	05/17/13 17:16	05/18/13 06:08	40
Methylcyclohexane	ND		5600	2600	ug/Kg	☼	05/17/13 17:16	05/18/13 06:08	40
Methylene Chloride	1200	J B	5600	1100	ug/Kg	☼	05/17/13 17:16	05/18/13 06:08	40
Styrene	ND		5600	1300	ug/Kg	☼	05/17/13 17:16	05/18/13 06:08	40
Tetrachloroethene	ND		5600	750	ug/Kg	☼	05/17/13 17:16	05/18/13 06:08	40
Toluene	ND		5600	1500	ug/Kg	☼	05/17/13 17:16	05/18/13 06:08	40
trans-1,2-Dichloroethene	ND		5600	1300	ug/Kg	☼	05/17/13 17:16	05/18/13 06:08	40
trans-1,3-Dichloropropene	ND		5600	270	ug/Kg	☼	05/17/13 17:16	05/18/13 06:08	40
Trichloroethene	ND		5600	1500	ug/Kg	☼	05/17/13 17:16	05/18/13 06:08	40
Trichlorofluoromethane	ND		5600	2600	ug/Kg	☼	05/17/13 17:16	05/18/13 06:08	40
Vinyl chloride	ND		5600	1900	ug/Kg	☼	05/17/13 17:16	05/18/13 06:08	40
Xylenes, Total	ND		11000	940	ug/Kg	☼	05/17/13 17:16	05/18/13 06:08	40

TestAmerica Buffalo

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Troy Chevron Asphalt Terminal - 194098

TestAmerica Job ID: 480-37943-1

Client Sample ID: DPT-24(9.0-10.0)

Lab Sample ID: 480-38154-12

Date Collected: 05/10/13 12:00

Matrix: Solid

Date Received: 05/11/13 02:00

Percent Solids: 70.2

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	1800	J	ug/Kg	☼	10.64	95-63-6	05/17/13 17:16	05/18/13 06:08	40
Dibenzofuran	16000	T J N	ug/Kg	☼	12.08	132-64-9	05/17/13 17:16	05/18/13 06:08	40
Naphthalene	270000		ug/Kg	☼	12.99	91-20-3	05/17/13 17:16	05/18/13 06:08	40
Naphthalene, 2-methyl-	110000	T J N	ug/Kg	☼	13.89	91-57-6	05/17/13 17:16	05/18/13 06:08	40
Naphthalene, 2-methyl-	49000	T J N	ug/Kg	☼	14.05	91-57-6	05/17/13 17:16	05/18/13 06:08	40
Naphthalene, 1,6-dimethyl-	22000	T J N	ug/Kg	☼	14.73	575-43-9	05/17/13 17:16	05/18/13 06:08	40
Naphthalene, 2,3-dimethyl-	29000	T J N	ug/Kg	☼	14.86	581-40-8	05/17/13 17:16	05/18/13 06:08	40
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		53 - 146				05/17/13 17:16	05/18/13 06:08	40
Toluene-d8 (Surr)	91		50 - 149				05/17/13 17:16	05/18/13 06:08	40
4-Bromofluorobenzene (Surr)	103		49 - 148				05/17/13 17:16	05/18/13 06:08	40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	66000	J	96000	1100	ug/Kg	☼	05/14/13 14:43	05/21/13 20:36	50
Acenaphthylene	210000		96000	780	ug/Kg	☼	05/14/13 14:43	05/21/13 20:36	50
Anthracene	930000		96000	2400	ug/Kg	☼	05/14/13 14:43	05/21/13 20:36	50
Benz(a)anthracene	2100000		96000	1600	ug/Kg	☼	05/14/13 14:43	05/21/13 20:36	50
Benzo(a)pyrene	1600000		96000	2300	ug/Kg	☼	05/14/13 14:43	05/21/13 20:36	50
Benzo(b)fluoranthene	2200000		96000	1800	ug/Kg	☼	05/14/13 14:43	05/21/13 20:36	50
Benzo(g,h,i)perylene	480000		96000	1100	ug/Kg	☼	05/14/13 14:43	05/21/13 20:36	50
Benzo(k)fluoranthene	1000000		96000	1000	ug/Kg	☼	05/14/13 14:43	05/21/13 20:36	50
Chrysene	1700000		96000	950	ug/Kg	☼	05/14/13 14:43	05/21/13 20:36	50
Dibenz(a,h)anthracene	210000		96000	1100	ug/Kg	☼	05/14/13 14:43	05/21/13 20:36	50
Fluoranthene	3500000	E	96000	1400	ug/Kg	☼	05/14/13 14:43	05/21/13 20:36	50
Fluorene	860000		96000	2200	ug/Kg	☼	05/14/13 14:43	05/21/13 20:36	50
Indeno(1,2,3-c,d)pyrene	490000		96000	2600	ug/Kg	☼	05/14/13 14:43	05/21/13 20:36	50
Naphthalene	2100000		96000	1600	ug/Kg	☼	05/14/13 14:43	05/21/13 20:36	50
Phenanthrene	3700000	E	96000	2000	ug/Kg	☼	05/14/13 14:43	05/21/13 20:36	50
Pyrene	2100000		96000	610	ug/Kg	☼	05/14/13 14:43	05/21/13 20:36	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	0	X	34 - 132				05/14/13 14:43	05/21/13 20:36	50
2-Fluorobiphenyl	0	X	37 - 120				05/14/13 14:43	05/21/13 20:36	50
p-Terphenyl-d14	0	X	65 - 153				05/14/13 14:43	05/21/13 20:36	50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	69000	J	480000	5600	ug/Kg	☼	05/14/13 14:43	05/22/13 14:53	250
Acenaphthylene	190000	J	480000	3900	ug/Kg	☼	05/14/13 14:43	05/22/13 14:53	250
Anthracene	960000		480000	12000	ug/Kg	☼	05/14/13 14:43	05/22/13 14:53	250
Benz(a)anthracene	2400000		480000	8200	ug/Kg	☼	05/14/13 14:43	05/22/13 14:53	250
Benzo(a)pyrene	1600000		480000	11000	ug/Kg	☼	05/14/13 14:43	05/22/13 14:53	250
Benzo(b)fluoranthene	1900000		480000	9200	ug/Kg	☼	05/14/13 14:43	05/22/13 14:53	250
Benzo(g,h,i)perylene	880000		480000	5700	ug/Kg	☼	05/14/13 14:43	05/22/13 14:53	250
Benzo(k)fluoranthene	1100000		480000	5200	ug/Kg	☼	05/14/13 14:43	05/22/13 14:53	250
Chrysene	2000000		480000	4700	ug/Kg	☼	05/14/13 14:43	05/22/13 14:53	250
Dibenz(a,h)anthracene	530000		480000	5600	ug/Kg	☼	05/14/13 14:43	05/22/13 14:53	250
Fluoranthene	3700000		480000	6900	ug/Kg	☼	05/14/13 14:43	05/22/13 14:53	250
Fluorene	910000		480000	11000	ug/Kg	☼	05/14/13 14:43	05/22/13 14:53	250

TestAmerica Buffalo

Client Sample Results

Client: TRC Solutions, Inc.

TestAmerica Job ID: 480-37943-1

Project/Site: Troy Chevron Asphalt Terminal - 194098

Client Sample ID: DPT-24(9.0-10.0)

Lab Sample ID: 480-38154-12

Date Collected: 05/10/13 12:00

Matrix: Solid

Date Received: 05/11/13 02:00

Percent Solids: 70.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno(1,2,3-c,d)pyrene	1000000		480000	13000	ug/Kg	☼	05/14/13 14:43	05/22/13 14:53	250
Naphthalene	2300000		480000	7900	ug/Kg	☼	05/14/13 14:43	05/22/13 14:53	250
Phenanthrene	4000000		480000	10000	ug/Kg	☼	05/14/13 14:43	05/22/13 14:53	250
Pyrene	2700000		480000	3100	ug/Kg	☼	05/14/13 14:43	05/22/13 14:53	250
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	0	X	34 - 132				05/14/13 14:43	05/22/13 14:53	250
2-Fluorobiphenyl	0	X	37 - 120				05/14/13 14:43	05/22/13 14:53	250
p-Terphenyl-d14	0	X	65 - 153				05/14/13 14:43	05/22/13 14:53	250

Client Sample ID: DPT-25(22.0-23.0)

Lab Sample ID: 480-38154-13

Date Collected: 05/10/13 13:00

Matrix: Solid

Date Received: 05/11/13 02:00

Percent Solids: 61.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	750	J	2800	32	ug/Kg	☼	05/14/13 14:43	05/21/13 21:01	10
Acenaphthylene	350	J	2800	22	ug/Kg	☼	05/14/13 14:43	05/21/13 21:01	10
Anthracene	4300		2800	70	ug/Kg	☼	05/14/13 14:43	05/21/13 21:01	10
Benz(a)anthracene	8000		2800	47	ug/Kg	☼	05/14/13 14:43	05/21/13 21:01	10
Benzo(a)pyrene	5700		2800	66	ug/Kg	☼	05/14/13 14:43	05/21/13 21:01	10
Benzo(b)fluoranthene	8500		2800	53	ug/Kg	☼	05/14/13 14:43	05/21/13 21:01	10
Benzo(g,h,i)perylene	2000	J	2800	33	ug/Kg	☼	05/14/13 14:43	05/21/13 21:01	10
Benzo(k)fluoranthene	3700		2800	30	ug/Kg	☼	05/14/13 14:43	05/21/13 21:01	10
Chrysene	6400		2800	27	ug/Kg	☼	05/14/13 14:43	05/21/13 21:01	10
Dibenz(a,h)anthracene	2400	J	2800	32	ug/Kg	☼	05/14/13 14:43	05/21/13 21:01	10
Fluoranthene	17000		2800	40	ug/Kg	☼	05/14/13 14:43	05/21/13 21:01	10
Fluorene	6000		2800	63	ug/Kg	☼	05/14/13 14:43	05/21/13 21:01	10
Indeno(1,2,3-c,d)pyrene	3400		2800	76	ug/Kg	☼	05/14/13 14:43	05/21/13 21:01	10
Naphthalene	8100		2800	46	ug/Kg	☼	05/14/13 14:43	05/21/13 21:01	10
Phenanthrene	22000		2800	58	ug/Kg	☼	05/14/13 14:43	05/21/13 21:01	10
Pyrene	11000		2800	18	ug/Kg	☼	05/14/13 14:43	05/21/13 21:01	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	71		34 - 132				05/14/13 14:43	05/21/13 21:01	10
2-Fluorobiphenyl	83		37 - 120				05/14/13 14:43	05/21/13 21:01	10
p-Terphenyl-d14	81		65 - 153				05/14/13 14:43	05/21/13 21:01	10

Client Sample ID: DPT-26(17.0-17.5)

Lab Sample ID: 480-38154-14

Date Collected: 05/10/13 13:30

Matrix: Solid

Date Received: 05/11/13 02:00

Percent Solids: 84.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	290		200	2.3	ug/Kg	☼	05/14/13 14:43	05/21/13 21:25	1
Acenaphthylene	ND		200	1.6	ug/Kg	☼	05/14/13 14:43	05/21/13 21:25	1
Anthracene	ND		200	5.1	ug/Kg	☼	05/14/13 14:43	05/21/13 21:25	1
Benz(a)anthracene	80	J	200	3.4	ug/Kg	☼	05/14/13 14:43	05/21/13 21:25	1
Benzo(a)pyrene	69	J	200	4.8	ug/Kg	☼	05/14/13 14:43	05/21/13 21:25	1
Benzo(b)fluoranthene	200		200	3.9	ug/Kg	☼	05/14/13 14:43	05/21/13 21:25	1

TestAmerica Buffalo

Client Sample Results

Client: TRC Solutions, Inc.

TestAmerica Job ID: 480-37943-1

Project/Site: Troy Chevron Asphalt Terminal - 194098

Client Sample ID: DPT-26(17.0-17.5)

Lab Sample ID: 480-38154-14

Date Collected: 05/10/13 13:30

Matrix: Solid

Date Received: 05/11/13 02:00

Percent Solids: 84.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo(g,h,i)perylene	31	J	200	2.4	ug/Kg	☼	05/14/13 14:43	05/21/13 21:25	1
Benzo(k)fluoranthene	47	J	200	2.2	ug/Kg	☼	05/14/13 14:43	05/21/13 21:25	1
Chrysene	100	J	200	2.0	ug/Kg	☼	05/14/13 14:43	05/21/13 21:25	1
Dibenz(a,h)anthracene	150	J	200	2.3	ug/Kg	☼	05/14/13 14:43	05/21/13 21:25	1
Fluoranthene	180	J	200	2.9	ug/Kg	☼	05/14/13 14:43	05/21/13 21:25	1
Fluorene	ND		200	4.6	ug/Kg	☼	05/14/13 14:43	05/21/13 21:25	1
Indeno(1,2,3-c,d)pyrene	160	J	200	5.5	ug/Kg	☼	05/14/13 14:43	05/21/13 21:25	1
Naphthalene	120	J	200	3.3	ug/Kg	☼	05/14/13 14:43	05/21/13 21:25	1
Phenanthrene	310		200	4.2	ug/Kg	☼	05/14/13 14:43	05/21/13 21:25	1
Pyrene	160	J	200	1.3	ug/Kg	☼	05/14/13 14:43	05/21/13 21:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	43		34 - 132				05/14/13 14:43	05/21/13 21:25	1
2-Fluorobiphenyl	59		37 - 120				05/14/13 14:43	05/21/13 21:25	1
p-Terphenyl-d14	70		65 - 153				05/14/13 14:43	05/21/13 21:25	1

Client Sample ID: DPT-27(12.0-13.0)

Lab Sample ID: 480-38154-15

Date Collected: 05/10/13 14:15

Matrix: Solid

Date Received: 05/11/13 02:00

Percent Solids: 84.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	140	J	4000	47	ug/Kg	☼	05/14/13 14:43	05/22/13 15:17	20
Acenaphthylene	1200	J	4000	32	ug/Kg	☼	05/14/13 14:43	05/22/13 15:17	20
Anthracene	7800		4000	100	ug/Kg	☼	05/14/13 14:43	05/22/13 15:17	20
Benz(a)anthracene	20000		4000	68	ug/Kg	☼	05/14/13 14:43	05/22/13 15:17	20
Benzo(a)pyrene	15000		4000	95	ug/Kg	☼	05/14/13 14:43	05/22/13 15:17	20
Benzo(b)fluoranthene	20000		4000	77	ug/Kg	☼	05/14/13 14:43	05/22/13 15:17	20
Benzo(g,h,i)perylene	13000		4000	48	ug/Kg	☼	05/14/13 14:43	05/22/13 15:17	20
Benzo(k)fluoranthene	9800		4000	44	ug/Kg	☼	05/14/13 14:43	05/22/13 15:17	20
Chrysene	18000		4000	40	ug/Kg	☼	05/14/13 14:43	05/22/13 15:17	20
Dibenz(a,h)anthracene	4800		4000	47	ug/Kg	☼	05/14/13 14:43	05/22/13 15:17	20
Fluoranthene	44000		4000	57	ug/Kg	☼	05/14/13 14:43	05/22/13 15:17	20
Fluorene	820	J	4000	91	ug/Kg	☼	05/14/13 14:43	05/22/13 15:17	20
Indeno(1,2,3-c,d)pyrene	12000		4000	110	ug/Kg	☼	05/14/13 14:43	05/22/13 15:17	20
Naphthalene	1300	J	4000	66	ug/Kg	☼	05/14/13 14:43	05/22/13 15:17	20
Phenanthrene	33000		4000	83	ug/Kg	☼	05/14/13 14:43	05/22/13 15:17	20
Pyrene	33000		4000	26	ug/Kg	☼	05/14/13 14:43	05/22/13 15:17	20
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	49		34 - 132				05/14/13 14:43	05/22/13 15:17	20
2-Fluorobiphenyl	58		37 - 120				05/14/13 14:43	05/22/13 15:17	20
p-Terphenyl-d14	58	X	65 - 153				05/14/13 14:43	05/22/13 15:17	20

TestAmerica Buffalo

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Troy Chevron Asphalt Terminal - 194098

TestAmerica Job ID: 480-37943-1

Client Sample ID: DPT-27(22.0-22.5)

Lab Sample ID: 480-38154-16

Date Collected: 05/10/13 14:25

Matrix: Solid

Date Received: 05/11/13 02:00

Percent Solids: 85.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	17	J	200	2.3	ug/Kg	☼	05/14/13 14:43	05/22/13 15:41	1
Acenaphthylene	37	J	200	1.6	ug/Kg	☼	05/14/13 14:43	05/22/13 15:41	1
Anthracene	77	J	200	5.1	ug/Kg	☼	05/14/13 14:43	05/22/13 15:41	1
Benz(a)anthracene	120	J	200	3.4	ug/Kg	☼	05/14/13 14:43	05/22/13 15:41	1
Benzo(a)pyrene	73	J	200	4.8	ug/Kg	☼	05/14/13 14:43	05/22/13 15:41	1
Benzo(b)fluoranthene	200		200	3.8	ug/Kg	☼	05/14/13 14:43	05/22/13 15:41	1
Benzo(g,h,i)perylene	50	J	200	2.4	ug/Kg	☼	05/14/13 14:43	05/22/13 15:41	1
Benzo(k)fluoranthene	39	J	200	2.2	ug/Kg	☼	05/14/13 14:43	05/22/13 15:41	1
Chrysene	140	J	200	2.0	ug/Kg	☼	05/14/13 14:43	05/22/13 15:41	1
Dibenz(a,h)anthracene	150	J	200	2.3	ug/Kg	☼	05/14/13 14:43	05/22/13 15:41	1
Fluoranthene	230		200	2.9	ug/Kg	☼	05/14/13 14:43	05/22/13 15:41	1
Fluorene	150	J	200	4.5	ug/Kg	☼	05/14/13 14:43	05/22/13 15:41	1
Indeno(1,2,3-c,d)pyrene	170	J	200	5.5	ug/Kg	☼	05/14/13 14:43	05/22/13 15:41	1
Naphthalene	830		200	3.3	ug/Kg	☼	05/14/13 14:43	05/22/13 15:41	1
Phenanthrene	440		200	4.1	ug/Kg	☼	05/14/13 14:43	05/22/13 15:41	1
Pyrene	160	J	200	1.3	ug/Kg	☼	05/14/13 14:43	05/22/13 15:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	70		34 - 132	05/14/13 14:43	05/22/13 15:41	1
2-Fluorobiphenyl	80		37 - 120	05/14/13 14:43	05/22/13 15:41	1
p-Terphenyl-d14	88		65 - 153	05/14/13 14:43	05/22/13 15:41	1

Client Sample ID: SPT-29(1.0-2.0)

Lab Sample ID: 480-38154-17

Date Collected: 05/10/13 15:00

Matrix: Solid

Date Received: 05/11/13 02:00

Percent Solids: 88.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.5	0.40	ug/Kg	☼	05/13/13 10:13	05/13/13 20:16	1
1,1,2,2-Tetrachloroethane	ND		5.5	0.90	ug/Kg	☼	05/13/13 10:13	05/13/13 20:16	1
1,1,2-Trichloroethane	ND		5.5	0.72	ug/Kg	☼	05/13/13 10:13	05/13/13 20:16	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.5	1.3	ug/Kg	☼	05/13/13 10:13	05/13/13 20:16	1
1,1-Dichloroethane	ND		5.5	0.68	ug/Kg	☼	05/13/13 10:13	05/13/13 20:16	1
1,1-Dichloroethene	ND		5.5	0.68	ug/Kg	☼	05/13/13 10:13	05/13/13 20:16	1
1,2,4-Trichlorobenzene	ND		5.5	0.34	ug/Kg	☼	05/13/13 10:13	05/13/13 20:16	1
1,2-Dibromo-3-Chloropropane	ND		5.5	2.8	ug/Kg	☼	05/13/13 10:13	05/13/13 20:16	1
1,2-Dibromoethane	ND		5.5	0.71	ug/Kg	☼	05/13/13 10:13	05/13/13 20:16	1
1,2-Dichlorobenzene	ND		5.5	0.43	ug/Kg	☼	05/13/13 10:13	05/13/13 20:16	1
1,2-Dichloroethane	ND		5.5	0.28	ug/Kg	☼	05/13/13 10:13	05/13/13 20:16	1
1,2-Dichloropropane	ND		5.5	2.8	ug/Kg	☼	05/13/13 10:13	05/13/13 20:16	1
1,3-Dichlorobenzene	ND		5.5	0.28	ug/Kg	☼	05/13/13 10:13	05/13/13 20:16	1
1,4-Dichlorobenzene	ND		5.5	0.77	ug/Kg	☼	05/13/13 10:13	05/13/13 20:16	1
2-Hexanone	ND		28	2.8	ug/Kg	☼	05/13/13 10:13	05/13/13 20:16	1
2-Butanone (MEK)	ND		28	2.0	ug/Kg	☼	05/13/13 10:13	05/13/13 20:16	1
4-Methyl-2-pentanone (MIBK)	ND		28	1.8	ug/Kg	☼	05/13/13 10:13	05/13/13 20:16	1
Acetone	ND		28	4.7	ug/Kg	☼	05/13/13 10:13	05/13/13 20:16	1
Benzene	ND		5.5	0.27	ug/Kg	☼	05/13/13 10:13	05/13/13 20:16	1
Bromodichloromethane	ND		5.5	0.74	ug/Kg	☼	05/13/13 10:13	05/13/13 20:16	1
Bromoform	ND		5.5	2.8	ug/Kg	☼	05/13/13 10:13	05/13/13 20:16	1
Bromomethane	ND		5.5	0.50	ug/Kg	☼	05/13/13 10:13	05/13/13 20:16	1

TestAmerica Buffalo

Client Sample Results

Client: TRC Solutions, Inc.

TestAmerica Job ID: 480-37943-1

Project/Site: Troy Chevron Asphalt Terminal - 194098

Client Sample ID: SPT-29(1.0-2.0)

Lab Sample ID: 480-38154-17

Date Collected: 05/10/13 15:00

Matrix: Solid

Date Received: 05/11/13 02:00

Percent Solids: 88.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		5.5	2.8	ug/Kg	☼	05/13/13 10:13	05/13/13 20:16	1
Carbon tetrachloride	ND		5.5	0.54	ug/Kg	☼	05/13/13 10:13	05/13/13 20:16	1
Chlorobenzene	ND		5.5	0.73	ug/Kg	☼	05/13/13 10:13	05/13/13 20:16	1
Dibromochloromethane	ND		5.5	0.71	ug/Kg	☼	05/13/13 10:13	05/13/13 20:16	1
Chloroethane	ND		5.5	1.3	ug/Kg	☼	05/13/13 10:13	05/13/13 20:16	1
Chloroform	ND		5.5	0.34	ug/Kg	☼	05/13/13 10:13	05/13/13 20:16	1
Chloromethane	ND		5.5	0.33	ug/Kg	☼	05/13/13 10:13	05/13/13 20:16	1
cis-1,2-Dichloroethene	ND		5.5	0.71	ug/Kg	☼	05/13/13 10:13	05/13/13 20:16	1
cis-1,3-Dichloropropene	ND		5.5	0.80	ug/Kg	☼	05/13/13 10:13	05/13/13 20:16	1
Cyclohexane	ND		5.5	0.77	ug/Kg	☼	05/13/13 10:13	05/13/13 20:16	1
Dichlorodifluoromethane	ND		5.5	0.46	ug/Kg	☼	05/13/13 10:13	05/13/13 20:16	1
Ethylbenzene	ND		5.5	0.38	ug/Kg	☼	05/13/13 10:13	05/13/13 20:16	1
Isopropylbenzene	ND		5.5	0.83	ug/Kg	☼	05/13/13 10:13	05/13/13 20:16	1
Methyl acetate	ND		5.5	1.0	ug/Kg	☼	05/13/13 10:13	05/13/13 20:16	1
Methyl tert-butyl ether	ND		5.5	0.54	ug/Kg	☼	05/13/13 10:13	05/13/13 20:16	1
Methylcyclohexane	1.9	J	5.5	0.84	ug/Kg	☼	05/13/13 10:13	05/13/13 20:16	1
Methylene Chloride	ND		5.5	2.5	ug/Kg	☼	05/13/13 10:13	05/13/13 20:16	1
Styrene	ND		5.5	0.28	ug/Kg	☼	05/13/13 10:13	05/13/13 20:16	1
Tetrachloroethene	ND		5.5	0.74	ug/Kg	☼	05/13/13 10:13	05/13/13 20:16	1
Toluene	ND		5.5	0.42	ug/Kg	☼	05/13/13 10:13	05/13/13 20:16	1
trans-1,2-Dichloroethene	ND		5.5	0.57	ug/Kg	☼	05/13/13 10:13	05/13/13 20:16	1
trans-1,3-Dichloropropene	ND		5.5	2.4	ug/Kg	☼	05/13/13 10:13	05/13/13 20:16	1
Trichloroethene	ND		5.5	1.2	ug/Kg	☼	05/13/13 10:13	05/13/13 20:16	1
Trichlorofluoromethane	ND		5.5	0.52	ug/Kg	☼	05/13/13 10:13	05/13/13 20:16	1
Vinyl chloride	ND		5.5	0.68	ug/Kg	☼	05/13/13 10:13	05/13/13 20:16	1
Xylenes, Total	ND		11	0.93	ug/Kg	☼	05/13/13 10:13	05/13/13 20:16	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Ethane, 1,1-difluoro-	230	T J N	ug/Kg	☼	1.93	75-37-6	05/13/13 10:13	05/13/13 20:16	1
Disiloxane, hexamethyl-	5.5	T J N	ug/Kg	☼	5.05	107-46-0	05/13/13 10:13	05/13/13 20:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	114		64 - 126	05/13/13 10:13	05/13/13 20:16	1
Toluene-d8 (Surr)	112		71 - 125	05/13/13 10:13	05/13/13 20:16	1
4-Bromofluorobenzene (Surr)	89		72 - 126	05/13/13 10:13	05/13/13 20:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		940	11	ug/Kg	☼	05/14/13 14:43	05/21/13 14:55	5
Acenaphthylene	350	J	940	7.6	ug/Kg	☼	05/14/13 14:43	05/21/13 14:55	5
Anthracene	440	J	940	24	ug/Kg	☼	05/14/13 14:43	05/21/13 14:55	5
Benz(a)anthracene	2000		940	16	ug/Kg	☼	05/14/13 14:43	05/21/13 14:55	5
Benzo(a)pyrene	1500		940	22	ug/Kg	☼	05/14/13 14:43	05/21/13 14:55	5
Benzo(b)fluoranthene	2700		940	18	ug/Kg	☼	05/14/13 14:43	05/21/13 14:55	5
Benzo(g,h,i)perylene	750	J	940	11	ug/Kg	☼	05/14/13 14:43	05/21/13 14:55	5
Benzo(k)fluoranthene	860	J	940	10	ug/Kg	☼	05/14/13 14:43	05/21/13 14:55	5
Chrysene	1900		940	9.3	ug/Kg	☼	05/14/13 14:43	05/21/13 14:55	5
Dibenz(a,h)anthracene	830	J	940	11	ug/Kg	☼	05/14/13 14:43	05/21/13 14:55	5
Fluoranthene	3200		940	14	ug/Kg	☼	05/14/13 14:43	05/21/13 14:55	5
Fluorene	160	J	940	21	ug/Kg	☼	05/14/13 14:43	05/21/13 14:55	5

TestAmerica Buffalo

Client Sample Results

Client: TRC Solutions, Inc.

TestAmerica Job ID: 480-37943-1

Project/Site: Troy Chevron Asphalt Terminal - 194098

Client Sample ID: SPT-29(1.0-2.0)

Lab Sample ID: 480-38154-17

Date Collected: 05/10/13 15:00

Matrix: Solid

Date Received: 05/11/13 02:00

Percent Solids: 88.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno(1,2,3-c,d)pyrene	1200		940	26	ug/Kg	☼	05/14/13 14:43	05/21/13 14:55	5
Naphthalene	460	J	940	16	ug/Kg	☼	05/14/13 14:43	05/21/13 14:55	5
Phenanthrene	2400		940	20	ug/Kg	☼	05/14/13 14:43	05/21/13 14:55	5
Pyrene	2400		940	6.0	ug/Kg	☼	05/14/13 14:43	05/21/13 14:55	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	71		34 - 132	05/14/13 14:43	05/21/13 14:55	5
2-Fluorobiphenyl	79		37 - 120	05/14/13 14:43	05/21/13 14:55	5
p-Terphenyl-d14	86		65 - 153	05/14/13 14:43	05/21/13 14:55	5

Client Sample ID: DPT-29(6.0-7.0)

Lab Sample ID: 480-38154-18

Date Collected: 05/10/13 15:15

Matrix: Solid

Date Received: 05/11/13 02:00

Percent Solids: 88.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.6	0.41	ug/Kg	☼	05/13/13 10:13	05/14/13 19:34	1
1,1,1,2-Tetrachloroethane	ND		5.6	0.91	ug/Kg	☼	05/13/13 10:13	05/14/13 19:34	1
1,1,2-Trichloroethane	ND		5.6	0.73	ug/Kg	☼	05/13/13 10:13	05/14/13 19:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.6	1.3	ug/Kg	☼	05/13/13 10:13	05/14/13 19:34	1
1,1-Dichloroethane	ND		5.6	0.69	ug/Kg	☼	05/13/13 10:13	05/14/13 19:34	1
1,1-Dichloroethene	ND		5.6	0.69	ug/Kg	☼	05/13/13 10:13	05/14/13 19:34	1
1,2,4-Trichlorobenzene	ND		5.6	0.34	ug/Kg	☼	05/13/13 10:13	05/14/13 19:34	1
1,2-Dibromo-3-Chloropropane	ND		5.6	2.8	ug/Kg	☼	05/13/13 10:13	05/14/13 19:34	1
1,2-Dibromoethane	ND		5.6	0.72	ug/Kg	☼	05/13/13 10:13	05/14/13 19:34	1
1,2-Dichlorobenzene	ND		5.6	0.44	ug/Kg	☼	05/13/13 10:13	05/14/13 19:34	1
1,2-Dichloroethane	ND		5.6	0.28	ug/Kg	☼	05/13/13 10:13	05/14/13 19:34	1
1,2-Dichloropropane	ND		5.6	2.8	ug/Kg	☼	05/13/13 10:13	05/14/13 19:34	1
1,3-Dichlorobenzene	ND		5.6	0.29	ug/Kg	☼	05/13/13 10:13	05/14/13 19:34	1
1,4-Dichlorobenzene	ND		5.6	0.79	ug/Kg	☼	05/13/13 10:13	05/14/13 19:34	1
2-Hexanone	ND		28	2.8	ug/Kg	☼	05/13/13 10:13	05/14/13 19:34	1
2-Butanone (MEK)	ND		28	2.1	ug/Kg	☼	05/13/13 10:13	05/14/13 19:34	1
4-Methyl-2-pentanone (MIBK)	ND		28	1.8	ug/Kg	☼	05/13/13 10:13	05/14/13 19:34	1
Acetone	ND		28	4.7	ug/Kg	☼	05/13/13 10:13	05/14/13 19:34	1
Benzene	2.6	J	5.6	0.28	ug/Kg	☼	05/13/13 10:13	05/14/13 19:34	1
Bromodichloromethane	ND		5.6	0.75	ug/Kg	☼	05/13/13 10:13	05/14/13 19:34	1
Bromoform	ND		5.6	2.8	ug/Kg	☼	05/13/13 10:13	05/14/13 19:34	1
Bromomethane	ND		5.6	0.51	ug/Kg	☼	05/13/13 10:13	05/14/13 19:34	1
Carbon disulfide	ND		5.6	2.8	ug/Kg	☼	05/13/13 10:13	05/14/13 19:34	1
Carbon tetrachloride	ND		5.6	0.55	ug/Kg	☼	05/13/13 10:13	05/14/13 19:34	1
Chlorobenzene	ND		5.6	0.74	ug/Kg	☼	05/13/13 10:13	05/14/13 19:34	1
Dibromochloromethane	ND		5.6	0.72	ug/Kg	☼	05/13/13 10:13	05/14/13 19:34	1
Chloroethane	ND		5.6	1.3	ug/Kg	☼	05/13/13 10:13	05/14/13 19:34	1
Chloroform	ND		5.6	0.35	ug/Kg	☼	05/13/13 10:13	05/14/13 19:34	1
Chloromethane	ND		5.6	0.34	ug/Kg	☼	05/13/13 10:13	05/14/13 19:34	1
cis-1,2-Dichloroethene	ND		5.6	0.72	ug/Kg	☼	05/13/13 10:13	05/14/13 19:34	1
cis-1,3-Dichloropropene	ND		5.6	0.81	ug/Kg	☼	05/13/13 10:13	05/14/13 19:34	1
Cyclohexane	ND		5.6	0.79	ug/Kg	☼	05/13/13 10:13	05/14/13 19:34	1
Dichlorodifluoromethane	ND		5.6	0.47	ug/Kg	☼	05/13/13 10:13	05/14/13 19:34	1
Ethylbenzene	ND		5.6	0.39	ug/Kg	☼	05/13/13 10:13	05/14/13 19:34	1

TestAmerica Buffalo

Client Sample Results

Client: TRC Solutions, Inc.

TestAmerica Job ID: 480-37943-1

Project/Site: Troy Chevron Asphalt Terminal - 194098

Client Sample ID: DPT-29(6.0-7.0)

Lab Sample ID: 480-38154-18

Date Collected: 05/10/13 15:15

Matrix: Solid

Date Received: 05/11/13 02:00

Percent Solids: 88.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	ND		5.6	0.85	ug/Kg	☼	05/13/13 10:13	05/14/13 19:34	1
Methyl acetate	ND		5.6	1.0	ug/Kg	☼	05/13/13 10:13	05/14/13 19:34	1
Methyl tert-butyl ether	ND		5.6	0.55	ug/Kg	☼	05/13/13 10:13	05/14/13 19:34	1
Methylcyclohexane	ND		5.6	0.86	ug/Kg	☼	05/13/13 10:13	05/14/13 19:34	1
Methylene Chloride	ND		5.6	2.6	ug/Kg	☼	05/13/13 10:13	05/14/13 19:34	1
Styrene	ND		5.6	0.28	ug/Kg	☼	05/13/13 10:13	05/14/13 19:34	1
Tetrachloroethene	ND		5.6	0.76	ug/Kg	☼	05/13/13 10:13	05/14/13 19:34	1
Toluene	1.3	J	5.6	0.43	ug/Kg	☼	05/13/13 10:13	05/14/13 19:34	1
trans-1,2-Dichloroethene	ND		5.6	0.58	ug/Kg	☼	05/13/13 10:13	05/14/13 19:34	1
trans-1,3-Dichloropropene	ND		5.6	2.5	ug/Kg	☼	05/13/13 10:13	05/14/13 19:34	1
Trichloroethene	ND		5.6	1.2	ug/Kg	☼	05/13/13 10:13	05/14/13 19:34	1
Trichlorofluoromethane	ND		5.6	0.53	ug/Kg	☼	05/13/13 10:13	05/14/13 19:34	1
Vinyl chloride	ND		5.6	0.69	ug/Kg	☼	05/13/13 10:13	05/14/13 19:34	1
Xylenes, Total	ND		11	0.95	ug/Kg	☼	05/13/13 10:13	05/14/13 19:34	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Naphthalene	7.1		ug/Kg	☼	12.60	91-20-3	05/13/13 10:13	05/14/13 19:34	1
Tentatively Identified Compound	None		ug/Kg	☼			05/13/13 10:13	05/14/13 19:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	113		64 - 126	05/13/13 10:13	05/14/13 19:34	1
Toluene-d8 (Surr)	105		71 - 125	05/13/13 10:13	05/14/13 19:34	1
4-Bromofluorobenzene (Surr)	100		72 - 126	05/13/13 10:13	05/14/13 19:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	130	J	190	2.2	ug/Kg	☼	05/14/13 14:43	05/22/13 16:06	1
Acenaphthylene	360		190	1.5	ug/Kg	☼	05/14/13 14:43	05/22/13 16:06	1
Anthracene	760		190	4.8	ug/Kg	☼	05/14/13 14:43	05/22/13 16:06	1
Benz(a)anthracene	1700		190	3.3	ug/Kg	☼	05/14/13 14:43	05/22/13 16:06	1
Benzo(a)pyrene	1000		190	4.5	ug/Kg	☼	05/14/13 14:43	05/22/13 16:06	1
Benzo(b)fluoranthene	1400		190	3.7	ug/Kg	☼	05/14/13 14:43	05/22/13 16:06	1
Benzo(g,h,i)perylene	480		190	2.3	ug/Kg	☼	05/14/13 14:43	05/22/13 16:06	1
Benzo(k)fluoranthene	660		190	2.1	ug/Kg	☼	05/14/13 14:43	05/22/13 16:06	1
Chrysene	1500		190	1.9	ug/Kg	☼	05/14/13 14:43	05/22/13 16:06	1
Dibenz(a,h)anthracene	290		190	2.2	ug/Kg	☼	05/14/13 14:43	05/22/13 16:06	1
Fluoranthene	3900		190	2.7	ug/Kg	☼	05/14/13 14:43	05/22/13 16:06	1
Fluorene	1000		190	4.3	ug/Kg	☼	05/14/13 14:43	05/22/13 16:06	1
Indeno(1,2,3-c,d)pyrene	560		190	5.2	ug/Kg	☼	05/14/13 14:43	05/22/13 16:06	1
Naphthalene	5100		190	3.1	ug/Kg	☼	05/14/13 14:43	05/22/13 16:06	1
Phenanthrene	4700		190	4.0	ug/Kg	☼	05/14/13 14:43	05/22/13 16:06	1
Pyrene	2500		190	1.2	ug/Kg	☼	05/14/13 14:43	05/22/13 16:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	71		34 - 132	05/14/13 14:43	05/22/13 16:06	1
2-Fluorobiphenyl	82		37 - 120	05/14/13 14:43	05/22/13 16:06	1
p-Terphenyl-d14	86		65 - 153	05/14/13 14:43	05/22/13 16:06	1

TestAmerica Buffalo

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Troy Chevron Asphalt Terminal - 194098

TestAmerica Job ID: 480-37943-1

Client Sample ID: FD051013

Lab Sample ID: 480-38154-19

Date Collected: 05/10/13 00:00

Matrix: Solid

Date Received: 05/11/13 02:00

Percent Solids: 86.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.8	0.42	ug/Kg	☼	05/13/13 10:13	05/14/13 19:59	1
1,1,2,2-Tetrachloroethane	ND		5.8	0.93	ug/Kg	☼	05/13/13 10:13	05/14/13 19:59	1
1,1,2-Trichloroethane	ND		5.8	0.75	ug/Kg	☼	05/13/13 10:13	05/14/13 19:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.8	1.3	ug/Kg	☼	05/13/13 10:13	05/14/13 19:59	1
1,1-Dichloroethane	ND		5.8	0.70	ug/Kg	☼	05/13/13 10:13	05/14/13 19:59	1
1,1-Dichloroethene	ND		5.8	0.70	ug/Kg	☼	05/13/13 10:13	05/14/13 19:59	1
1,2,4-Trichlorobenzene	ND		5.8	0.35	ug/Kg	☼	05/13/13 10:13	05/14/13 19:59	1
1,2-Dibromo-3-Chloropropane	ND		5.8	2.9	ug/Kg	☼	05/13/13 10:13	05/14/13 19:59	1
1,2-Dibromoethane	ND		5.8	0.74	ug/Kg	☼	05/13/13 10:13	05/14/13 19:59	1
1,2-Dichlorobenzene	ND		5.8	0.45	ug/Kg	☼	05/13/13 10:13	05/14/13 19:59	1
1,2-Dichloroethane	ND		5.8	0.29	ug/Kg	☼	05/13/13 10:13	05/14/13 19:59	1
1,2-Dichloropropane	ND		5.8	2.9	ug/Kg	☼	05/13/13 10:13	05/14/13 19:59	1
1,3-Dichlorobenzene	ND		5.8	0.30	ug/Kg	☼	05/13/13 10:13	05/14/13 19:59	1
1,4-Dichlorobenzene	ND		5.8	0.81	ug/Kg	☼	05/13/13 10:13	05/14/13 19:59	1
2-Hexanone	ND		29	2.9	ug/Kg	☼	05/13/13 10:13	05/14/13 19:59	1
2-Butanone (MEK)	ND		29	2.1	ug/Kg	☼	05/13/13 10:13	05/14/13 19:59	1
4-Methyl-2-pentanone (MIBK)	ND		29	1.9	ug/Kg	☼	05/13/13 10:13	05/14/13 19:59	1
Acetone	ND		29	4.8	ug/Kg	☼	05/13/13 10:13	05/14/13 19:59	1
Benzene	2.2	J	5.8	0.28	ug/Kg	☼	05/13/13 10:13	05/14/13 19:59	1
Bromodichloromethane	ND		5.8	0.77	ug/Kg	☼	05/13/13 10:13	05/14/13 19:59	1
Bromoform	ND		5.8	2.9	ug/Kg	☼	05/13/13 10:13	05/14/13 19:59	1
Bromomethane	ND		5.8	0.52	ug/Kg	☼	05/13/13 10:13	05/14/13 19:59	1
Carbon disulfide	ND		5.8	2.9	ug/Kg	☼	05/13/13 10:13	05/14/13 19:59	1
Carbon tetrachloride	ND		5.8	0.56	ug/Kg	☼	05/13/13 10:13	05/14/13 19:59	1
Chlorobenzene	ND		5.8	0.76	ug/Kg	☼	05/13/13 10:13	05/14/13 19:59	1
Dibromochloromethane	ND		5.8	0.74	ug/Kg	☼	05/13/13 10:13	05/14/13 19:59	1
Chloroethane	ND		5.8	1.3	ug/Kg	☼	05/13/13 10:13	05/14/13 19:59	1
Chloroform	ND		5.8	0.36	ug/Kg	☼	05/13/13 10:13	05/14/13 19:59	1
Chloromethane	ND		5.8	0.35	ug/Kg	☼	05/13/13 10:13	05/14/13 19:59	1
cis-1,2-Dichloroethene	ND		5.8	0.74	ug/Kg	☼	05/13/13 10:13	05/14/13 19:59	1
cis-1,3-Dichloropropene	ND		5.8	0.83	ug/Kg	☼	05/13/13 10:13	05/14/13 19:59	1
Cyclohexane	ND		5.8	0.81	ug/Kg	☼	05/13/13 10:13	05/14/13 19:59	1
Dichlorodifluoromethane	ND		5.8	0.48	ug/Kg	☼	05/13/13 10:13	05/14/13 19:59	1
Ethylbenzene	ND		5.8	0.40	ug/Kg	☼	05/13/13 10:13	05/14/13 19:59	1
Isopropylbenzene	ND		5.8	0.87	ug/Kg	☼	05/13/13 10:13	05/14/13 19:59	1
Methyl acetate	ND		5.8	1.1	ug/Kg	☼	05/13/13 10:13	05/14/13 19:59	1
Methyl tert-butyl ether	ND		5.8	0.57	ug/Kg	☼	05/13/13 10:13	05/14/13 19:59	1
Methylcyclohexane	ND		5.8	0.88	ug/Kg	☼	05/13/13 10:13	05/14/13 19:59	1
Methylene Chloride	ND		5.8	2.6	ug/Kg	☼	05/13/13 10:13	05/14/13 19:59	1
Styrene	ND		5.8	0.29	ug/Kg	☼	05/13/13 10:13	05/14/13 19:59	1
Tetrachloroethene	ND		5.8	0.77	ug/Kg	☼	05/13/13 10:13	05/14/13 19:59	1
Toluene	1.1	J	5.8	0.44	ug/Kg	☼	05/13/13 10:13	05/14/13 19:59	1
trans-1,2-Dichloroethene	ND		5.8	0.59	ug/Kg	☼	05/13/13 10:13	05/14/13 19:59	1
trans-1,3-Dichloropropene	ND		5.8	2.5	ug/Kg	☼	05/13/13 10:13	05/14/13 19:59	1
Trichloroethene	ND		5.8	1.3	ug/Kg	☼	05/13/13 10:13	05/14/13 19:59	1
Trichlorofluoromethane	ND		5.8	0.54	ug/Kg	☼	05/13/13 10:13	05/14/13 19:59	1
Vinyl chloride	ND		5.8	0.70	ug/Kg	☼	05/13/13 10:13	05/14/13 19:59	1
Xylenes, Total	ND		12	0.97	ug/Kg	☼	05/13/13 10:13	05/14/13 19:59	1

TestAmerica Buffalo

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Troy Chevron Asphalt Terminal - 194098

TestAmerica Job ID: 480-37943-1

Client Sample ID: FD051013

Lab Sample ID: 480-38154-19

Date Collected: 05/10/13 00:00

Matrix: Solid

Date Received: 05/11/13 02:00

Percent Solids: 86.5

<i>Tentatively Identified Compound</i>	<i>Est. Result</i>	<i>Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>RT</i>	<i>CAS No.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>tert-Butyldimethylsilanol</i>	8.3	T J N	ug/Kg	☼	4.47	18173-64-3	05/13/13 10:13	05/14/13 19:59	1
<i>Naphthalene</i>	2.4	J	ug/Kg	☼	12.61	91-20-3	05/13/13 10:13	05/14/13 19:59	1
<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>1,2-Dichloroethane-d4 (Surr)</i>	114		64 - 126				05/13/13 10:13	05/14/13 19:59	1
<i>Toluene-d8 (Surr)</i>	106		71 - 125				05/13/13 10:13	05/14/13 19:59	1
<i>4-Bromofluorobenzene (Surr)</i>	100		72 - 126				05/13/13 10:13	05/14/13 19:59	1

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

<i>Analyte</i>	<i>Result</i>	<i>Qualifier</i>	<i>RL</i>	<i>MDL</i>	<i>Unit</i>	<i>D</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
Acenaphthene	ND		190	2.3	ug/Kg	☼	05/14/13 14:43	05/22/13 16:30	1
Acenaphthylene	ND		190	1.6	ug/Kg	☼	05/14/13 14:43	05/22/13 16:30	1
Anthracene	9.8	J	190	4.9	ug/Kg	☼	05/14/13 14:43	05/22/13 16:30	1
Benz(a)anthracene	ND		190	3.3	ug/Kg	☼	05/14/13 14:43	05/22/13 16:30	1
Benzo(a)pyrene	ND		190	4.6	ug/Kg	☼	05/14/13 14:43	05/22/13 16:30	1
Benzo(b)fluoranthene	ND		190	3.7	ug/Kg	☼	05/14/13 14:43	05/22/13 16:30	1
Benzo(g,h,i)perylene	ND		190	2.3	ug/Kg	☼	05/14/13 14:43	05/22/13 16:30	1
Benzo(k)fluoranthene	2.9	J	190	2.1	ug/Kg	☼	05/14/13 14:43	05/22/13 16:30	1
Chrysene	7.9	J	190	1.9	ug/Kg	☼	05/14/13 14:43	05/22/13 16:30	1
Dibenz(a,h)anthracene	ND		190	2.3	ug/Kg	☼	05/14/13 14:43	05/22/13 16:30	1
Fluoranthene	21	J	190	2.8	ug/Kg	☼	05/14/13 14:43	05/22/13 16:30	1
Fluorene	12	J	190	4.4	ug/Kg	☼	05/14/13 14:43	05/22/13 16:30	1
Indeno(1,2,3-c,d)pyrene	ND		190	5.3	ug/Kg	☼	05/14/13 14:43	05/22/13 16:30	1
Naphthalene	4500		190	3.2	ug/Kg	☼	05/14/13 14:43	05/22/13 16:30	1
Phenanthrene	59	J	190	4.0	ug/Kg	☼	05/14/13 14:43	05/22/13 16:30	1
Pyrene	13	J	190	1.2	ug/Kg	☼	05/14/13 14:43	05/22/13 16:30	1
<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Nitrobenzene-d5</i>	69		34 - 132				05/14/13 14:43	05/22/13 16:30	1
<i>2-Fluorobiphenyl</i>	82		37 - 120				05/14/13 14:43	05/22/13 16:30	1
<i>p-Terphenyl-d14</i>	83		65 - 153				05/14/13 14:43	05/22/13 16:30	1

TestAmerica Buffalo

Surrogate Summary

Client: TRC Solutions, Inc.
Project/Site: Troy Chevron Asphalt Terminal - 194098

TestAmerica Job ID: 480-37943-1

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		12DCE (53-146)	TOL (50-149)	BFB (49-148)
480-37943-2	DPT-02 (4.5-5.0)	95	97	100
480-38154-4	DPT-15(10.0-11.0)	104	92	92
480-38154-6	DPT-16(9.5-10.0)	104	94	89
480-38154-8	DPT-18(3.5-4.0)	117	94	105
480-38154-12	DPT-24(9.0-10.0)	93	91	103
LCS 480-117898/1-A	Lab Control Sample	109	112	113
LCS 480-119364/1-A	Lab Control Sample	110	110	110
MB 480-117898/2-A	Method Blank	113	115	115
MB 480-119364/2-A	Method Blank	117	114	110
Surrogate Legend				
12DCE = 1,2-Dichloroethane-d4 (Surr)				
TOL = Toluene-d8 (Surr)				
BFB = 4-Bromofluorobenzene (Surr)				

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		12DCE (64-126)	TOL (71-125)	BFB (72-126)
480-37943-5	DPT-05 (22.5-23.0)	97	98	94
480-37943-7	DPT-08 (3.5-4.0)	100	99	94
480-37943-9	DPT-10 (4.0-4.5)	113	103	95
480-37943-9 MS	DPT-10 (4.0-4.5)	101	105	94
480-37943-9 MSD	DPT-10 (4.0-4.5)	99	104	95
480-38154-1	DPT-20(12.0-12.5)	112	106	102
480-38154-2	DPT-21(3.0-3.5)	113	104	102
480-38154-10	DPT-22(13.5-14.0)	111	101	98
480-38154-17	SPT-29(1.0-2.0)	114	112	89
480-38154-17 MS	SPT-29(1.0-2.0)	86	128 X	56 X
480-38154-17 MSD	SPT-29(1.0-2.0)	89	114	67 X
480-38154-18	DPT-29(6.0-7.0)	113	105	100
480-38154-19	FD051013	114	106	100
480-38156-D-10-B MS	Matrix Spike	101	105	101
480-38156-D-10-C MSD	Matrix Spike Duplicate	99	105	101
LCS 480-118093/4	Lab Control Sample	108	102	100
LCS 480-118255/4	Lab Control Sample	107	105	105
LCS 480-118414/4	Lab Control Sample	104	105	103
LCS 480-119655/6	Lab Control Sample	97	96	96
MB 480-118093/5	Method Blank	109	102	98
MB 480-118255/7	Method Blank	107	106	103
MB 480-118414/5	Method Blank	108	105	101
MB 480-119655/7	Method Blank	93	97	96
Surrogate Legend				
12DCE = 1,2-Dichloroethane-d4 (Surr)				
TOL = Toluene-d8 (Surr)				
BFB = 4-Bromofluorobenzene (Surr)				

TestAmerica Buffalo

Surrogate Summary

Client: TRC Solutions, Inc.

TestAmerica Job ID: 480-37943-1

Project/Site: Troy Chevron Asphalt Terminal - 194098

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		NBZ (34-132)	FBP (37-120)	TPH (65-153)
480-37943-1	DPT-01 (13-5-14.0)	60	66	97
480-37943-1 MS	DPT-01 (13-5-14.0)	64	71	96
480-37943-1 MSD	DPT-01 (13-5-14.0)	62	68	89
480-37943-2	DPT-02 (4.5-5.0)	0 X	0 X	0 X
480-37943-3	DPT-03 (14.5-15.0)	60	66	89
480-37943-4	DPT-05 (2.5-3.0)	52	55	72
480-37943-5	DPT-05 (22.5-23.0)	64	70	98
480-37943-6	DPT-07 (11.0-11.5)	59	66	86
480-37943-7	DPT-08 (3.5-4.0)	61	66	87
480-37943-8	DPT-09 (22.5-23.0)	67	73	98
480-37943-9	DPT-10 (4.0-4.5)	62	69	90
480-37943-10	DPT-11 (23.0-23.5)	63	69	94
480-37943-11	DPT-12 (3.5-4.0)	61	67	77
480-37943-12	DPT-13 (7.5-8.0)	65	74	86
480-37943-13	DPT-13 (15.0-15.5)	60	66	87
480-37943-14	DPT-14 (6.0-6.5)	51	57	74
480-37943-15	DPT-14 (16.0-16.5)	53	58	71
480-38154-1	DPT-20(12.0-12.5)	80	88	96
480-38154-2	DPT-21(3.0-3.5)	74	83	95
480-38154-3	DPT-21(21.5-22.0)	78	87	96
480-38154-4	DPT-15(10.0-11.0)	0 X	0 X	0 X
480-38154-5	DPT-15(17.0-17.5)	69	79	81
480-38154-6	DPT-16(9.5-10.0)	0 X	0 X	0 X
480-38154-6 - DL	DPT-16(9.5-10.0)	0 X	0 X	0 X
480-38154-7	DPT-17(18.5-19.0)	72	80	87
480-38154-8	DPT-18(3.5-4.0)	82	84	79
480-38154-8 - DL	DPT-18(3.5-4.0)	0 X	83	88
480-38154-9	DPT-19(15.5-16.0)	80	90	96
480-38154-10	DPT-22(13.5-14.0)	36	43	64 X
480-38154-11	DPT-23(2.5-3.0)	70	80	82
480-38154-12	DPT-24(9.0-10.0)	0 X	0 X	0 X
480-38154-12 - DL	DPT-24(9.0-10.0)	0 X	0 X	0 X
480-38154-13	DPT-25(22.0-23.0)	71	83	81
480-38154-14	DPT-26(17.0-17.5)	43	59	70
480-38154-15	DPT-27(12.0-13.0)	49	58	58 X
480-38154-16	DPT-27(22.0-22.5)	70	80	88
480-38154-17	SPT-29(1.0-2.0)	71	79	86
480-38154-17 MS	SPT-29(1.0-2.0)	61	69	70
480-38154-17 MSD	SPT-29(1.0-2.0)	64	74	74
480-38154-18	DPT-29(6.0-7.0)	71	82	86
480-38154-19	FD051013	69	82	83
LCS 480-117993/2-A	Lab Control Sample	67	75	101
LCS 480-118555/2-A	Lab Control Sample	72	81	93
MB 480-117993/1-A	Method Blank	66	69	101
MB 480-118555/1-A	Method Blank	63	67	85

Surrogate Legend

NBZ = Nitrobenzene-d5

FBP = 2-Fluorobiphenyl

TestAmerica Buffalo

Surrogate Summary

Client: TRC Solutions, Inc.

Project/Site: Troy Chevron Asphalt Terminal - 194098

TestAmerica Job ID: 480-37943-1

TPH = p-Terphenyl-d14

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QC Sample Results

Client: TRC Solutions, Inc.

TestAmerica Job ID: 480-37943-1

Project/Site: Troy Chevron Asphalt Terminal - 194098

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

Lab Sample ID: MB 480-117898/2-A

Matrix: Solid

Analysis Batch: 117857

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 117898

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		99	28	ug/Kg		05/10/13 08:50	05/10/13 12:11	1
1,1,2,2-Tetrachloroethane	ND		99	16	ug/Kg		05/10/13 08:50	05/10/13 12:11	1
1,1,2-Trichloroethane	ND		99	21	ug/Kg		05/10/13 08:50	05/10/13 12:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		99	50	ug/Kg		05/10/13 08:50	05/10/13 12:11	1
1,1-Dichloroethane	ND		99	31	ug/Kg		05/10/13 08:50	05/10/13 12:11	1
1,1-Dichloroethene	ND		99	34	ug/Kg		05/10/13 08:50	05/10/13 12:11	1
1,2,4-Trichlorobenzene	ND		99	38	ug/Kg		05/10/13 08:50	05/10/13 12:11	1
1,2-Dibromo-3-Chloropropane	ND		99	50	ug/Kg		05/10/13 08:50	05/10/13 12:11	1
1,2-Dibromoethane	ND		99	3.8	ug/Kg		05/10/13 08:50	05/10/13 12:11	1
1,2-Dichlorobenzene	ND		99	25	ug/Kg		05/10/13 08:50	05/10/13 12:11	1
1,2-Dichloroethane	ND		99	41	ug/Kg		05/10/13 08:50	05/10/13 12:11	1
1,2-Dichloropropane	ND		99	16	ug/Kg		05/10/13 08:50	05/10/13 12:11	1
1,3-Dichlorobenzene	ND		99	27	ug/Kg		05/10/13 08:50	05/10/13 12:11	1
1,4-Dichlorobenzene	ND		99	14	ug/Kg		05/10/13 08:50	05/10/13 12:11	1
2-Hexanone	ND		500	200	ug/Kg		05/10/13 08:50	05/10/13 12:11	1
2-Butanone (MEK)	ND		500	300	ug/Kg		05/10/13 08:50	05/10/13 12:11	1
4-Methyl-2-pentanone (MIBK)	ND		500	32	ug/Kg		05/10/13 08:50	05/10/13 12:11	1
Acetone	ND		500	410	ug/Kg		05/10/13 08:50	05/10/13 12:11	1
Benzene	ND		99	4.8	ug/Kg		05/10/13 08:50	05/10/13 12:11	1
Bromodichloromethane	ND		99	20	ug/Kg		05/10/13 08:50	05/10/13 12:11	1
Bromoform	ND		99	50	ug/Kg		05/10/13 08:50	05/10/13 12:11	1
Bromomethane	ND		99	22	ug/Kg		05/10/13 08:50	05/10/13 12:11	1
Carbon disulfide	ND		99	45	ug/Kg		05/10/13 08:50	05/10/13 12:11	1
Carbon tetrachloride	ND		99	25	ug/Kg		05/10/13 08:50	05/10/13 12:11	1
Chlorobenzene	ND		99	13	ug/Kg		05/10/13 08:50	05/10/13 12:11	1
Dibromochloromethane	ND		99	48	ug/Kg		05/10/13 08:50	05/10/13 12:11	1
Chloroethane	ND		99	21	ug/Kg		05/10/13 08:50	05/10/13 12:11	1
Chloroform	ND		99	68	ug/Kg		05/10/13 08:50	05/10/13 12:11	1
Chloromethane	ND		99	24	ug/Kg		05/10/13 08:50	05/10/13 12:11	1
cis-1,2-Dichloroethene	ND		99	27	ug/Kg		05/10/13 08:50	05/10/13 12:11	1
cis-1,3-Dichloropropene	ND		99	24	ug/Kg		05/10/13 08:50	05/10/13 12:11	1
Cyclohexane	ND		99	22	ug/Kg		05/10/13 08:50	05/10/13 12:11	1
Dichlorodifluoromethane	ND		99	43	ug/Kg		05/10/13 08:50	05/10/13 12:11	1
Ethylbenzene	ND		99	29	ug/Kg		05/10/13 08:50	05/10/13 12:11	1
Isopropylbenzene	ND		99	15	ug/Kg		05/10/13 08:50	05/10/13 12:11	1
Methyl acetate	ND		99	47	ug/Kg		05/10/13 08:50	05/10/13 12:11	1
Methyl tert-butyl ether	ND		99	38	ug/Kg		05/10/13 08:50	05/10/13 12:11	1
Methylcyclohexane	ND		99	47	ug/Kg		05/10/13 08:50	05/10/13 12:11	1
Methylene Chloride	ND		99	20	ug/Kg		05/10/13 08:50	05/10/13 12:11	1
Styrene	ND		99	24	ug/Kg		05/10/13 08:50	05/10/13 12:11	1
Tetrachloroethene	ND		99	13	ug/Kg		05/10/13 08:50	05/10/13 12:11	1
Toluene	ND		99	27	ug/Kg		05/10/13 08:50	05/10/13 12:11	1
trans-1,2-Dichloroethene	ND		99	23	ug/Kg		05/10/13 08:50	05/10/13 12:11	1
trans-1,3-Dichloropropene	ND		99	4.8	ug/Kg		05/10/13 08:50	05/10/13 12:11	1
Trichloroethene	ND		99	28	ug/Kg		05/10/13 08:50	05/10/13 12:11	1
Trichlorofluoromethane	ND		99	47	ug/Kg		05/10/13 08:50	05/10/13 12:11	1
Vinyl chloride	ND		99	33	ug/Kg		05/10/13 08:50	05/10/13 12:11	1
Xylenes, Total	ND		200	17	ug/Kg		05/10/13 08:50	05/10/13 12:11	1

TestAmerica Buffalo

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: Troy Chevron Asphalt Terminal - 194098

TestAmerica Job ID: 480-37943-1

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

Lab Sample ID: MB 480-117898/2-A

Matrix: Solid

Analysis Batch: 117857

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 117898

	MB	MB							
Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg				05/10/13 08:50	05/10/13 12:11	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	113		53 - 146				05/10/13 08:50	05/10/13 12:11	1
Toluene-d8 (Surr)	115		50 - 149				05/10/13 08:50	05/10/13 12:11	1
4-Bromofluorobenzene (Surr)	115		49 - 148				05/10/13 08:50	05/10/13 12:11	1

Lab Sample ID: LCS 480-117898/1-A

Matrix: Solid

Analysis Batch: 117857

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 117898

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	2450	2620		ug/Kg		107	82 - 138
1,1-Dichloroethene	2450	2360		ug/Kg		96	54 - 144
1,2-Dichlorobenzene	2450	2920		ug/Kg		119	80 - 132
1,2-Dichloroethane	2450	2650		ug/Kg		108	78 - 129
Benzene	2450	2990		ug/Kg		122	75 - 131
Chlorobenzene	2450	3080		ug/Kg		126	80 - 127
cis-1,2-Dichloroethene	2450	2940		ug/Kg		120	79 - 128
Ethylbenzene	2450	3160		ug/Kg		129	78 - 136
Methyl tert-butyl ether	2450	2360		ug/Kg		96	67 - 137
Tetrachloroethene	2450	3380		ug/Kg		138	72 - 141
Toluene	2450	3070		ug/Kg		125	76 - 133
trans-1,2-Dichloroethene	2450	2950		ug/Kg		120	81 - 147
Trichloroethene	2450	3080		ug/Kg		126	77 - 130

	LCS	LCS							
Surrogate	%Recovery	Qualifier	Limits						
1,2-Dichloroethane-d4 (Surr)	109		53 - 146						
Toluene-d8 (Surr)	112		50 - 149						
4-Bromofluorobenzene (Surr)	113		49 - 148						

Lab Sample ID: MB 480-118093/5

Matrix: Solid

Analysis Batch: 118093

Client Sample ID: Method Blank

Prep Type: Total/NA

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.36	ug/Kg			05/11/13 14:44	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.81	ug/Kg			05/11/13 14:44	1
1,1,2-Trichloroethane	ND		5.0	0.65	ug/Kg			05/11/13 14:44	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg			05/11/13 14:44	1
1,1-Dichloroethane	ND		5.0	0.61	ug/Kg			05/11/13 14:44	1
1,1-Dichloroethene	ND		5.0	0.61	ug/Kg			05/11/13 14:44	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/Kg			05/11/13 14:44	1
1,2-Dibromo-3-Chloropropane	ND		5.0	2.5	ug/Kg			05/11/13 14:44	1
1,2-Dibromoethane	ND		5.0	0.64	ug/Kg			05/11/13 14:44	1
1,2-Dichlorobenzene	ND		5.0	0.39	ug/Kg			05/11/13 14:44	1
1,2-Dichloroethane	ND		5.0	0.25	ug/Kg			05/11/13 14:44	1

TestAmerica Buffalo

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: Troy Chevron Asphalt Terminal - 194098

TestAmerica Job ID: 480-37943-1

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

Lab Sample ID: MB 480-118093/5

Matrix: Solid

Analysis Batch: 118093

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	ND		5.0	2.5	ug/Kg			05/11/13 14:44	1
1,3-Dichlorobenzene	ND		5.0	0.26	ug/Kg			05/11/13 14:44	1
1,4-Dichlorobenzene	ND		5.0	0.70	ug/Kg			05/11/13 14:44	1
2-Hexanone	ND		25	2.5	ug/Kg			05/11/13 14:44	1
2-Butanone (MEK)	ND		25	1.8	ug/Kg			05/11/13 14:44	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.6	ug/Kg			05/11/13 14:44	1
Acetone	ND		25	4.2	ug/Kg			05/11/13 14:44	1
Benzene	ND		5.0	0.25	ug/Kg			05/11/13 14:44	1
Bromodichloromethane	ND		5.0	0.67	ug/Kg			05/11/13 14:44	1
Bromoform	ND		5.0	2.5	ug/Kg			05/11/13 14:44	1
Bromomethane	ND		5.0	0.45	ug/Kg			05/11/13 14:44	1
Carbon disulfide	ND		5.0	2.5	ug/Kg			05/11/13 14:44	1
Carbon tetrachloride	ND		5.0	0.48	ug/Kg			05/11/13 14:44	1
Chlorobenzene	ND		5.0	0.66	ug/Kg			05/11/13 14:44	1
Dibromochloromethane	ND		5.0	0.64	ug/Kg			05/11/13 14:44	1
Chloroethane	ND		5.0	1.1	ug/Kg			05/11/13 14:44	1
Chloroform	ND		5.0	0.31	ug/Kg			05/11/13 14:44	1
Chloromethane	ND		5.0	0.30	ug/Kg			05/11/13 14:44	1
cis-1,2-Dichloroethene	ND		5.0	0.64	ug/Kg			05/11/13 14:44	1
cis-1,3-Dichloropropene	ND		5.0	0.72	ug/Kg			05/11/13 14:44	1
Cyclohexane	ND		5.0	0.70	ug/Kg			05/11/13 14:44	1
Dichlorodifluoromethane	ND		5.0	0.41	ug/Kg			05/11/13 14:44	1
Ethylbenzene	ND		5.0	0.35	ug/Kg			05/11/13 14:44	1
Isopropylbenzene	ND		5.0	0.75	ug/Kg			05/11/13 14:44	1
Methyl acetate	ND		5.0	0.93	ug/Kg			05/11/13 14:44	1
Methyl tert-butyl ether	ND		5.0	0.49	ug/Kg			05/11/13 14:44	1
Methylcyclohexane	ND		5.0	0.76	ug/Kg			05/11/13 14:44	1
Methylene Chloride	ND		5.0	2.3	ug/Kg			05/11/13 14:44	1
Styrene	ND		5.0	0.25	ug/Kg			05/11/13 14:44	1
Tetrachloroethene	ND		5.0	0.67	ug/Kg			05/11/13 14:44	1
Toluene	ND		5.0	0.38	ug/Kg			05/11/13 14:44	1
trans-1,2-Dichloroethene	ND		5.0	0.52	ug/Kg			05/11/13 14:44	1
trans-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg			05/11/13 14:44	1
Trichloroethene	ND		5.0	1.1	ug/Kg			05/11/13 14:44	1
Trichlorofluoromethane	ND		5.0	0.47	ug/Kg			05/11/13 14:44	1
Vinyl chloride	ND		5.0	0.61	ug/Kg			05/11/13 14:44	1
Xylenes, Total	ND		10	0.84	ug/Kg			05/11/13 14:44	1

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg					05/11/13 14:44	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		64 - 126		05/11/13 14:44	1
Toluene-d8 (Surr)	102		71 - 125		05/11/13 14:44	1
4-Bromofluorobenzene (Surr)	98		72 - 126		05/11/13 14:44	1

TestAmerica Buffalo

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: Troy Chevron Asphalt Terminal - 194098

TestAmerica Job ID: 480-37943-1

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

Lab Sample ID: LCS 480-118093/4

Matrix: Solid

Analysis Batch: 118093

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	50.0	48.9		ug/Kg		98	73 - 126
1,1-Dichloroethene	50.0	40.9		ug/Kg		82	59 - 125
1,2-Dichlorobenzene	50.0	50.2		ug/Kg		100	75 - 120
1,2-Dichloroethane	50.0	52.6		ug/Kg		105	77 - 122
Benzene	50.0	50.9		ug/Kg		102	79 - 127
Chlorobenzene	50.0	50.4		ug/Kg		101	76 - 124
cis-1,2-Dichloroethene	50.0	50.1		ug/Kg		100	81 - 117
Ethylbenzene	50.0	49.3		ug/Kg		99	80 - 120
Methyl tert-butyl ether	50.0	49.1		ug/Kg		98	63 - 125
Tetrachloroethene	50.0	48.9		ug/Kg		98	74 - 122
Toluene	50.0	47.7		ug/Kg		95	74 - 128
trans-1,2-Dichloroethene	50.0	50.3		ug/Kg		101	78 - 126
Trichloroethene	50.0	49.4		ug/Kg		99	77 - 129

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	108		64 - 126
Toluene-d8 (Surr)	102		71 - 125
4-Bromofluorobenzene (Surr)	100		72 - 126

Lab Sample ID: 480-37943-9 MS

Matrix: Solid

Analysis Batch: 118093

Client Sample ID: DPT-10 (4.0-4.5)

Prep Type: Total/NA

Prep Batch: 118104

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	ND		53.3	43.0		ug/Kg	☼	81	73 - 126
1,1-Dichloroethene	ND		53.3	30.8	F	ug/Kg	☼	58	59 - 125
1,2-Dichlorobenzene	ND		53.3	9.96	F	ug/Kg	☼	19	75 - 120
1,2-Dichloroethane	ND		53.3	39.5	F	ug/Kg	☼	74	77 - 122
Benzene	ND		53.3	40.2	F	ug/Kg	☼	75	79 - 127
Chlorobenzene	ND		53.3	20.2	F	ug/Kg	☼	38	76 - 124
cis-1,2-Dichloroethene	ND		53.3	35.1	F	ug/Kg	☼	66	81 - 117
Ethylbenzene	ND		53.3	20.8	F	ug/Kg	☼	39	80 - 120
Methyl tert-butyl ether	ND		53.3	45.4		ug/Kg	☼	85	63 - 125
Tetrachloroethene	ND		53.3	23.1	F	ug/Kg	☼	43	74 - 122
Toluene	0.51	J	53.3	29.2	F	ug/Kg	☼	54	74 - 128
trans-1,2-Dichloroethene	ND		53.3	31.6	F	ug/Kg	☼	59	78 - 126
Trichloroethene	ND		53.3	26.4	F	ug/Kg	☼	49	77 - 129

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	101		64 - 126
Toluene-d8 (Surr)	105		71 - 125
4-Bromofluorobenzene (Surr)	94		72 - 126

TestAmerica Buffalo

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: Troy Chevron Asphalt Terminal - 194098

TestAmerica Job ID: 480-37943-1

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

Lab Sample ID: 480-37943-9 MSD

Matrix: Solid

Analysis Batch: 118093

Client Sample ID: DPT-10 (4.0-4.5)

Prep Type: Total/NA

Prep Batch: 118104

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethane	ND		53.5	44.1		ug/Kg	✱	82	73 - 126	3	30
1,1-Dichloroethene	ND		53.5	32.1		ug/Kg	✱	60	59 - 125	4	30
1,2-Dichlorobenzene	ND		53.5	12.5	F	ug/Kg	✱	23	75 - 120	23	30
1,2-Dichloroethane	ND		53.5	41.0		ug/Kg	✱	77	77 - 122	4	30
Benzene	ND		53.5	41.7	F	ug/Kg	✱	78	79 - 127	4	30
Chlorobenzene	ND		53.5	22.9	F	ug/Kg	✱	43	76 - 124	13	30
cis-1,2-Dichloroethene	ND		53.5	37.3	F	ug/Kg	✱	70	81 - 117	6	30
Ethylbenzene	ND		53.5	23.2	F	ug/Kg	✱	43	80 - 120	11	30
Methyl tert-butyl ether	ND		53.5	46.1		ug/Kg	✱	86	63 - 125	2	30
Tetrachloroethene	ND		53.5	25.2	F	ug/Kg	✱	47	74 - 122	9	30
Toluene	0.51	J	53.5	31.5	F	ug/Kg	✱	58	74 - 128	8	30
trans-1,2-Dichloroethene	ND		53.5	33.3	F	ug/Kg	✱	62	78 - 126	5	30
Trichloroethene	ND		53.5	28.6	F	ug/Kg	✱	53	77 - 129	8	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	99		64 - 126
Toluene-d8 (Surr)	104		71 - 125
4-Bromofluorobenzene (Surr)	95		72 - 126

Lab Sample ID: MB 480-118255/7

Matrix: Solid

Analysis Batch: 118255

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.36	ug/Kg			05/13/13 12:49	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.81	ug/Kg			05/13/13 12:49	1
1,1,2-Trichloroethane	ND		5.0	0.65	ug/Kg			05/13/13 12:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg			05/13/13 12:49	1
1,1-Dichloroethane	ND		5.0	0.61	ug/Kg			05/13/13 12:49	1
1,1-Dichloroethene	ND		5.0	0.61	ug/Kg			05/13/13 12:49	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/Kg			05/13/13 12:49	1
1,2-Dibromo-3-Chloropropane	ND		5.0	2.5	ug/Kg			05/13/13 12:49	1
1,2-Dibromoethane	ND		5.0	0.64	ug/Kg			05/13/13 12:49	1
1,2-Dichlorobenzene	ND		5.0	0.39	ug/Kg			05/13/13 12:49	1
1,2-Dichloroethane	ND		5.0	0.25	ug/Kg			05/13/13 12:49	1
1,2-Dichloropropane	ND		5.0	2.5	ug/Kg			05/13/13 12:49	1
1,3-Dichlorobenzene	ND		5.0	0.26	ug/Kg			05/13/13 12:49	1
1,4-Dichlorobenzene	ND		5.0	0.70	ug/Kg			05/13/13 12:49	1
2-Hexanone	ND		25	2.5	ug/Kg			05/13/13 12:49	1
2-Butanone (MEK)	ND		25	1.8	ug/Kg			05/13/13 12:49	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.6	ug/Kg			05/13/13 12:49	1
Acetone	ND		25	4.2	ug/Kg			05/13/13 12:49	1
Benzene	ND		5.0	0.25	ug/Kg			05/13/13 12:49	1
Bromodichloromethane	ND		5.0	0.67	ug/Kg			05/13/13 12:49	1
Bromoform	ND		5.0	2.5	ug/Kg			05/13/13 12:49	1
Bromomethane	ND		5.0	0.45	ug/Kg			05/13/13 12:49	1
Carbon disulfide	ND		5.0	2.5	ug/Kg			05/13/13 12:49	1
Carbon tetrachloride	ND		5.0	0.48	ug/Kg			05/13/13 12:49	1

TestAmerica Buffalo

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: Troy Chevron Asphalt Terminal - 194098

TestAmerica Job ID: 480-37943-1

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

Lab Sample ID: MB 480-118255/7

Matrix: Solid

Analysis Batch: 118255

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	ND		5.0	0.66	ug/Kg			05/13/13 12:49	1
Dibromochloromethane	ND		5.0	0.64	ug/Kg			05/13/13 12:49	1
Chloroethane	ND		5.0	1.1	ug/Kg			05/13/13 12:49	1
Chloroform	ND		5.0	0.31	ug/Kg			05/13/13 12:49	1
Chloromethane	ND		5.0	0.30	ug/Kg			05/13/13 12:49	1
cis-1,2-Dichloroethene	ND		5.0	0.64	ug/Kg			05/13/13 12:49	1
cis-1,3-Dichloropropene	ND		5.0	0.72	ug/Kg			05/13/13 12:49	1
Cyclohexane	ND		5.0	0.70	ug/Kg			05/13/13 12:49	1
Dichlorodifluoromethane	ND		5.0	0.41	ug/Kg			05/13/13 12:49	1
Ethylbenzene	ND		5.0	0.35	ug/Kg			05/13/13 12:49	1
Isopropylbenzene	ND		5.0	0.75	ug/Kg			05/13/13 12:49	1
Methyl acetate	ND		5.0	0.93	ug/Kg			05/13/13 12:49	1
Methyl tert-butyl ether	ND		5.0	0.49	ug/Kg			05/13/13 12:49	1
Methylcyclohexane	ND		5.0	0.76	ug/Kg			05/13/13 12:49	1
Methylene Chloride	ND		5.0	2.3	ug/Kg			05/13/13 12:49	1
Styrene	ND		5.0	0.25	ug/Kg			05/13/13 12:49	1
Tetrachloroethene	ND		5.0	0.67	ug/Kg			05/13/13 12:49	1
Toluene	ND		5.0	0.38	ug/Kg			05/13/13 12:49	1
trans-1,2-Dichloroethene	ND		5.0	0.52	ug/Kg			05/13/13 12:49	1
trans-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg			05/13/13 12:49	1
Trichloroethene	ND		5.0	1.1	ug/Kg			05/13/13 12:49	1
Trichlorofluoromethane	ND		5.0	0.47	ug/Kg			05/13/13 12:49	1
Vinyl chloride	ND		5.0	0.61	ug/Kg			05/13/13 12:49	1
Xylenes, Total	ND		10	0.84	ug/Kg			05/13/13 12:49	1

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg					05/13/13 12:49	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		64 - 126		05/13/13 12:49	1
Toluene-d8 (Surr)	106		71 - 125		05/13/13 12:49	1
4-Bromofluorobenzene (Surr)	103		72 - 126		05/13/13 12:49	1

Lab Sample ID: LCS 480-118255/4

Matrix: Solid

Analysis Batch: 118255

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	50.0	49.4		ug/Kg		99	73 - 126
1,1-Dichloroethene	50.0	46.4		ug/Kg		93	59 - 125
1,2-Dichlorobenzene	50.0	50.4		ug/Kg		101	75 - 120
1,2-Dichloroethane	50.0	50.0		ug/Kg		100	77 - 122
Benzene	50.0	48.7		ug/Kg		97	79 - 127
Chlorobenzene	50.0	49.5		ug/Kg		99	76 - 124
cis-1,2-Dichloroethene	50.0	49.3		ug/Kg		99	81 - 117
Ethylbenzene	50.0	48.1		ug/Kg		96	80 - 120
Methyl tert-butyl ether	50.0	49.5		ug/Kg		99	63 - 125

TestAmerica Buffalo

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: Troy Chevron Asphalt Terminal - 194098

TestAmerica Job ID: 480-37943-1

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

Lab Sample ID: LCS 480-118255/4

Matrix: Solid

Analysis Batch: 118255

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Tetrachloroethene	50.0	49.5		ug/Kg		99	74 - 122
Toluene	50.0	46.9		ug/Kg		94	74 - 128
trans-1,2-Dichloroethene	50.0	47.9		ug/Kg		96	78 - 126
Trichloroethene	50.0	48.9		ug/Kg		98	77 - 129

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	107		64 - 126
Toluene-d8 (Surr)	105		71 - 125
4-Bromofluorobenzene (Surr)	105		72 - 126

Lab Sample ID: MB 480-118414/5

Matrix: Solid

Analysis Batch: 118414

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.36	ug/Kg			05/14/13 10:50	1
1,1,1,2-Tetrachloroethane	ND		5.0	0.81	ug/Kg			05/14/13 10:50	1
1,1,2-Trichloroethane	ND		5.0	0.65	ug/Kg			05/14/13 10:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg			05/14/13 10:50	1
1,1-Dichloroethane	ND		5.0	0.61	ug/Kg			05/14/13 10:50	1
1,1-Dichloroethene	ND		5.0	0.61	ug/Kg			05/14/13 10:50	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/Kg			05/14/13 10:50	1
1,2-Dibromo-3-Chloropropane	ND		5.0	2.5	ug/Kg			05/14/13 10:50	1
1,2-Dibromoethane	ND		5.0	0.64	ug/Kg			05/14/13 10:50	1
1,2-Dichlorobenzene	ND		5.0	0.39	ug/Kg			05/14/13 10:50	1
1,2-Dichloroethane	ND		5.0	0.25	ug/Kg			05/14/13 10:50	1
1,2-Dichloropropane	ND		5.0	2.5	ug/Kg			05/14/13 10:50	1
1,3-Dichlorobenzene	ND		5.0	0.26	ug/Kg			05/14/13 10:50	1
1,4-Dichlorobenzene	ND		5.0	0.70	ug/Kg			05/14/13 10:50	1
2-Hexanone	ND		25	2.5	ug/Kg			05/14/13 10:50	1
2-Butanone (MEK)	ND		25	1.8	ug/Kg			05/14/13 10:50	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.6	ug/Kg			05/14/13 10:50	1
Acetone	ND		25	4.2	ug/Kg			05/14/13 10:50	1
Benzene	ND		5.0	0.25	ug/Kg			05/14/13 10:50	1
Bromodichloromethane	ND		5.0	0.67	ug/Kg			05/14/13 10:50	1
Bromoform	ND		5.0	2.5	ug/Kg			05/14/13 10:50	1
Bromomethane	ND		5.0	0.45	ug/Kg			05/14/13 10:50	1
Carbon disulfide	ND		5.0	2.5	ug/Kg			05/14/13 10:50	1
Carbon tetrachloride	ND		5.0	0.48	ug/Kg			05/14/13 10:50	1
Chlorobenzene	ND		5.0	0.66	ug/Kg			05/14/13 10:50	1
Dibromochloromethane	ND		5.0	0.64	ug/Kg			05/14/13 10:50	1
Chloroethane	ND		5.0	1.1	ug/Kg			05/14/13 10:50	1
Chloroform	ND		5.0	0.31	ug/Kg			05/14/13 10:50	1
Chloromethane	ND		5.0	0.30	ug/Kg			05/14/13 10:50	1
cis-1,2-Dichloroethene	ND		5.0	0.64	ug/Kg			05/14/13 10:50	1
cis-1,3-Dichloropropene	ND		5.0	0.72	ug/Kg			05/14/13 10:50	1
Cyclohexane	ND		5.0	0.70	ug/Kg			05/14/13 10:50	1
Dichlorodifluoromethane	ND		5.0	0.41	ug/Kg			05/14/13 10:50	1

TestAmerica Buffalo

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: Troy Chevron Asphalt Terminal - 194098

TestAmerica Job ID: 480-37943-1

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

Lab Sample ID: MB 480-118414/5

Matrix: Solid

Analysis Batch: 118414

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		5.0	0.35	ug/Kg			05/14/13 10:50	1
Isopropylbenzene	ND		5.0	0.75	ug/Kg			05/14/13 10:50	1
Methyl acetate	ND		5.0	0.93	ug/Kg			05/14/13 10:50	1
Methyl tert-butyl ether	ND		5.0	0.49	ug/Kg			05/14/13 10:50	1
Methylcyclohexane	ND		5.0	0.76	ug/Kg			05/14/13 10:50	1
Methylene Chloride	ND		5.0	2.3	ug/Kg			05/14/13 10:50	1
Styrene	ND		5.0	0.25	ug/Kg			05/14/13 10:50	1
Tetrachloroethene	ND		5.0	0.67	ug/Kg			05/14/13 10:50	1
Toluene	ND		5.0	0.38	ug/Kg			05/14/13 10:50	1
trans-1,2-Dichloroethene	ND		5.0	0.52	ug/Kg			05/14/13 10:50	1
trans-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg			05/14/13 10:50	1
Trichloroethene	ND		5.0	1.1	ug/Kg			05/14/13 10:50	1
Trichlorofluoromethane	ND		5.0	0.47	ug/Kg			05/14/13 10:50	1
Vinyl chloride	ND		5.0	0.61	ug/Kg			05/14/13 10:50	1
Xylenes, Total	ND		10	0.84	ug/Kg			05/14/13 10:50	1

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg					05/14/13 10:50	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		64 - 126		05/14/13 10:50	1
Toluene-d8 (Surr)	105		71 - 125		05/14/13 10:50	1
4-Bromofluorobenzene (Surr)	101		72 - 126		05/14/13 10:50	1

Lab Sample ID: LCS 480-118414/4

Matrix: Solid

Analysis Batch: 118414

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	50.0	50.2		ug/Kg		100	73 - 126
1,1-Dichloroethene	50.0	43.0		ug/Kg		86	59 - 125
1,2-Dichlorobenzene	50.0	53.1		ug/Kg		106	75 - 120
1,2-Dichloroethane	50.0	52.8		ug/Kg		106	77 - 122
Benzene	50.0	52.9		ug/Kg		106	79 - 127
Chlorobenzene	50.0	53.6		ug/Kg		107	76 - 124
cis-1,2-Dichloroethene	50.0	51.3		ug/Kg		103	81 - 117
Ethylbenzene	50.0	52.1		ug/Kg		104	80 - 120
Methyl tert-butyl ether	50.0	48.6		ug/Kg		97	63 - 125
Tetrachloroethene	50.0	51.7		ug/Kg		103	74 - 122
Toluene	50.0	50.7		ug/Kg		101	74 - 128
trans-1,2-Dichloroethene	50.0	52.2		ug/Kg		104	78 - 126
Trichloroethene	50.0	51.1		ug/Kg		102	77 - 129

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	104		64 - 126
Toluene-d8 (Surr)	105		71 - 125
4-Bromofluorobenzene (Surr)	103		72 - 126

TestAmerica Buffalo

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: Troy Chevron Asphalt Terminal - 194098

TestAmerica Job ID: 480-37943-1

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

Lab Sample ID: 480-38156-D-10-B MS

Matrix: Solid

Analysis Batch: 118414

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 118436

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
1,1-Dichloroethane	ND		45.2	37.0		ug/Kg	☼	82	73 - 126
1,1-Dichloroethene	ND		45.2	30.6		ug/Kg	☼	68	59 - 125
1,2-Dichlorobenzene	ND		45.2	16.3	F	ug/Kg	☼	36	75 - 120
1,2-Dichloroethane	ND		45.2	35.7		ug/Kg	☼	79	77 - 122
Benzene	ND		45.2	37.0		ug/Kg	☼	82	79 - 127
Chlorobenzene	ND		45.2	26.4	F	ug/Kg	☼	58	76 - 124
cis-1,2-Dichloroethene	ND		45.2	35.6	F	ug/Kg	☼	79	81 - 117
Ethylbenzene	ND		45.2	27.9	F	ug/Kg	☼	62	80 - 120
Methyl tert-butyl ether	ND		45.2	37.8		ug/Kg	☼	84	63 - 125
Tetrachloroethene	ND		45.2	27.3	F	ug/Kg	☼	60	74 - 122
Toluene	ND		45.2	31.3	F	ug/Kg	☼	69	74 - 128
trans-1,2-Dichloroethene	ND		45.2	34.8	F	ug/Kg	☼	77	78 - 126
Trichloroethene	ND		45.2	30.1	F	ug/Kg	☼	67	77 - 129

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	101		64 - 126
Toluene-d8 (Surr)	105		71 - 125
4-Bromofluorobenzene (Surr)	101		72 - 126

Lab Sample ID: 480-38156-D-10-C MSD

Matrix: Solid

Analysis Batch: 118414

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 118436

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
1,1-Dichloroethane	ND		51.8	42.5		ug/Kg	☼	82	73 - 126	14	30
1,1-Dichloroethene	ND		51.8	34.3		ug/Kg	☼	66	59 - 125	11	30
1,2-Dichlorobenzene	ND		51.8	19.6	F	ug/Kg	☼	38	75 - 120	18	30
1,2-Dichloroethane	ND		51.8	42.0		ug/Kg	☼	81	77 - 122	16	30
Benzene	ND		51.8	42.5		ug/Kg	☼	82	79 - 127	14	30
Chlorobenzene	ND		51.8	30.9	F	ug/Kg	☼	60	76 - 124	16	30
cis-1,2-Dichloroethene	ND		51.8	40.7	F	ug/Kg	☼	79	81 - 117	13	30
Ethylbenzene	ND		51.8	32.0	F	ug/Kg	☼	62	80 - 120	14	30
Methyl tert-butyl ether	ND		51.8	42.9		ug/Kg	☼	83	63 - 125	13	30
Tetrachloroethene	ND		51.8	31.2	F	ug/Kg	☼	60	74 - 122	13	30
Toluene	ND		51.8	35.9	F	ug/Kg	☼	69	74 - 128	14	30
trans-1,2-Dichloroethene	ND		51.8	39.1	F	ug/Kg	☼	75	78 - 126	12	30
Trichloroethene	ND		51.8	34.4	F	ug/Kg	☼	66	77 - 129	13	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	99		64 - 126
Toluene-d8 (Surr)	105		71 - 125
4-Bromofluorobenzene (Surr)	101		72 - 126

TestAmerica Buffalo

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: Troy Chevron Asphalt Terminal - 194098

TestAmerica Job ID: 480-37943-1

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

Lab Sample ID: MB 480-119364/2-A

Matrix: Solid

Analysis Batch: 119378

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 119364

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		98	27	ug/Kg		05/17/13 17:16	05/17/13 23:46	1
1,1,2,2-Tetrachloroethane	ND		98	16	ug/Kg		05/17/13 17:16	05/17/13 23:46	1
1,1,2-Trichloroethane	ND		98	21	ug/Kg		05/17/13 17:16	05/17/13 23:46	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		98	49	ug/Kg		05/17/13 17:16	05/17/13 23:46	1
1,1-Dichloroethane	ND		98	30	ug/Kg		05/17/13 17:16	05/17/13 23:46	1
1,1-Dichloroethene	ND		98	34	ug/Kg		05/17/13 17:16	05/17/13 23:46	1
1,2,4-Trichlorobenzene	ND		98	37	ug/Kg		05/17/13 17:16	05/17/13 23:46	1
1,2-Dibromo-3-Chloropropane	ND		98	49	ug/Kg		05/17/13 17:16	05/17/13 23:46	1
1,2-Dibromoethane	ND		98	3.7	ug/Kg		05/17/13 17:16	05/17/13 23:46	1
1,2-Dichlorobenzene	ND		98	25	ug/Kg		05/17/13 17:16	05/17/13 23:46	1
1,2-Dichloroethane	ND		98	40	ug/Kg		05/17/13 17:16	05/17/13 23:46	1
1,2-Dichloropropane	ND		98	16	ug/Kg		05/17/13 17:16	05/17/13 23:46	1
1,3-Dichlorobenzene	ND		98	26	ug/Kg		05/17/13 17:16	05/17/13 23:46	1
1,4-Dichlorobenzene	ND		98	14	ug/Kg		05/17/13 17:16	05/17/13 23:46	1
2-Hexanone	ND		490	200	ug/Kg		05/17/13 17:16	05/17/13 23:46	1
2-Butanone (MEK)	ND		490	290	ug/Kg		05/17/13 17:16	05/17/13 23:46	1
4-Methyl-2-pentanone (MIBK)	ND		490	31	ug/Kg		05/17/13 17:16	05/17/13 23:46	1
Acetone	ND		490	400	ug/Kg		05/17/13 17:16	05/17/13 23:46	1
Benzene	ND		98	4.7	ug/Kg		05/17/13 17:16	05/17/13 23:46	1
Bromodichloromethane	ND		98	20	ug/Kg		05/17/13 17:16	05/17/13 23:46	1
Bromoform	ND		98	49	ug/Kg		05/17/13 17:16	05/17/13 23:46	1
Bromomethane	ND		98	22	ug/Kg		05/17/13 17:16	05/17/13 23:46	1
Carbon disulfide	ND		98	45	ug/Kg		05/17/13 17:16	05/17/13 23:46	1
Carbon tetrachloride	ND		98	25	ug/Kg		05/17/13 17:16	05/17/13 23:46	1
Chlorobenzene	ND		98	13	ug/Kg		05/17/13 17:16	05/17/13 23:46	1
Dibromochloromethane	ND		98	48	ug/Kg		05/17/13 17:16	05/17/13 23:46	1
Chloroethane	ND		98	20	ug/Kg		05/17/13 17:16	05/17/13 23:46	1
Chloroform	ND		98	67	ug/Kg		05/17/13 17:16	05/17/13 23:46	1
Chloromethane	ND		98	23	ug/Kg		05/17/13 17:16	05/17/13 23:46	1
cis-1,2-Dichloroethene	ND		98	27	ug/Kg		05/17/13 17:16	05/17/13 23:46	1
cis-1,3-Dichloropropene	ND		98	23	ug/Kg		05/17/13 17:16	05/17/13 23:46	1
Cyclohexane	ND		98	22	ug/Kg		05/17/13 17:16	05/17/13 23:46	1
Dichlorodifluoromethane	ND		98	43	ug/Kg		05/17/13 17:16	05/17/13 23:46	1
Ethylbenzene	ND		98	29	ug/Kg		05/17/13 17:16	05/17/13 23:46	1
Isopropylbenzene	ND		98	15	ug/Kg		05/17/13 17:16	05/17/13 23:46	1
Methyl acetate	ND		98	47	ug/Kg		05/17/13 17:16	05/17/13 23:46	1
Methyl tert-butyl ether	ND		98	37	ug/Kg		05/17/13 17:16	05/17/13 23:46	1
Methylcyclohexane	ND		98	46	ug/Kg		05/17/13 17:16	05/17/13 23:46	1
Methylene Chloride	24.2	J	98	19	ug/Kg		05/17/13 17:16	05/17/13 23:46	1
Styrene	ND		98	24	ug/Kg		05/17/13 17:16	05/17/13 23:46	1
Tetrachloroethene	ND		98	13	ug/Kg		05/17/13 17:16	05/17/13 23:46	1
Toluene	ND		98	26	ug/Kg		05/17/13 17:16	05/17/13 23:46	1
trans-1,2-Dichloroethene	ND		98	23	ug/Kg		05/17/13 17:16	05/17/13 23:46	1
trans-1,3-Dichloropropene	ND		98	4.7	ug/Kg		05/17/13 17:16	05/17/13 23:46	1
Trichloroethene	ND		98	27	ug/Kg		05/17/13 17:16	05/17/13 23:46	1
Trichlorofluoromethane	ND		98	46	ug/Kg		05/17/13 17:16	05/17/13 23:46	1
Vinyl chloride	ND		98	33	ug/Kg		05/17/13 17:16	05/17/13 23:46	1
Xylenes, Total	ND		200	17	ug/Kg		05/17/13 17:16	05/17/13 23:46	1

TestAmerica Buffalo

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: Troy Chevron Asphalt Terminal - 194098

TestAmerica Job ID: 480-37943-1

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

Lab Sample ID: MB 480-119364/2-A

Matrix: Solid

Analysis Batch: 119378

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 119364

	MB	MB							
Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg				05/17/13 17:16	05/17/13 23:46	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	117		53 - 146				05/17/13 17:16	05/17/13 23:46	1
Toluene-d8 (Surr)	114		50 - 149				05/17/13 17:16	05/17/13 23:46	1
4-Bromofluorobenzene (Surr)	110		49 - 148				05/17/13 17:16	05/17/13 23:46	1

Lab Sample ID: LCS 480-119364/1-A

Matrix: Solid

Analysis Batch: 119378

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 119364

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	2480	2670		ug/Kg		108	82 - 138
1,1-Dichloroethene	2480	1610		ug/Kg		65	54 - 144
1,2-Dichlorobenzene	2480	2810		ug/Kg		113	80 - 132
1,2-Dichloroethane	2480	2740		ug/Kg		110	78 - 129
Benzene	2480	3050		ug/Kg		123	75 - 131
Chlorobenzene	2480	2970		ug/Kg		120	80 - 127
cis-1,2-Dichloroethene	2480	2860		ug/Kg		115	79 - 128
Ethylbenzene	2480	3060		ug/Kg		123	78 - 136
Methyl tert-butyl ether	2480	2640		ug/Kg		107	67 - 137
Tetrachloroethene	2480	2920		ug/Kg		118	72 - 141
Toluene	2480	3000		ug/Kg		121	76 - 133
trans-1,2-Dichloroethene	2480	3280		ug/Kg		132	81 - 147
Trichloroethene	2480	2980		ug/Kg		120	77 - 130

	LCS	LCS							
Surrogate	%Recovery	Qualifier	Limits						
1,2-Dichloroethane-d4 (Surr)	110		53 - 146						
Toluene-d8 (Surr)	110		50 - 149						
4-Bromofluorobenzene (Surr)	110		49 - 148						

Lab Sample ID: MB 480-119655/7

Matrix: Solid

Analysis Batch: 119655

Client Sample ID: Method Blank

Prep Type: Total/NA

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.36	ug/Kg			05/20/13 19:58	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.81	ug/Kg			05/20/13 19:58	1
1,1,2-Trichloroethane	ND		5.0	0.65	ug/Kg			05/20/13 19:58	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg			05/20/13 19:58	1
1,1-Dichloroethane	ND		5.0	0.61	ug/Kg			05/20/13 19:58	1
1,1-Dichloroethene	ND		5.0	0.61	ug/Kg			05/20/13 19:58	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/Kg			05/20/13 19:58	1
1,2-Dibromo-3-Chloropropane	ND		5.0	2.5	ug/Kg			05/20/13 19:58	1
1,2-Dibromoethane	ND		5.0	0.64	ug/Kg			05/20/13 19:58	1
1,2-Dichlorobenzene	ND		5.0	0.39	ug/Kg			05/20/13 19:58	1
1,2-Dichloroethane	ND		5.0	0.25	ug/Kg			05/20/13 19:58	1

TestAmerica Buffalo

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: Troy Chevron Asphalt Terminal - 194098

TestAmerica Job ID: 480-37943-1

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

Lab Sample ID: MB 480-119655/7

Matrix: Solid

Analysis Batch: 119655

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	ND		5.0	2.5	ug/Kg			05/20/13 19:58	1
1,3-Dichlorobenzene	ND		5.0	0.26	ug/Kg			05/20/13 19:58	1
1,4-Dichlorobenzene	ND		5.0	0.70	ug/Kg			05/20/13 19:58	1
2-Hexanone	ND		25	2.5	ug/Kg			05/20/13 19:58	1
2-Butanone (MEK)	ND		25	1.8	ug/Kg			05/20/13 19:58	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.6	ug/Kg			05/20/13 19:58	1
Acetone	ND		25	4.2	ug/Kg			05/20/13 19:58	1
Benzene	ND		5.0	0.25	ug/Kg			05/20/13 19:58	1
Bromodichloromethane	ND		5.0	0.67	ug/Kg			05/20/13 19:58	1
Bromoform	ND		5.0	2.5	ug/Kg			05/20/13 19:58	1
Bromomethane	ND		5.0	0.45	ug/Kg			05/20/13 19:58	1
Carbon disulfide	ND		5.0	2.5	ug/Kg			05/20/13 19:58	1
Carbon tetrachloride	ND		5.0	0.48	ug/Kg			05/20/13 19:58	1
Chlorobenzene	ND		5.0	0.66	ug/Kg			05/20/13 19:58	1
Dibromochloromethane	ND		5.0	0.64	ug/Kg			05/20/13 19:58	1
Chloroethane	ND		5.0	1.1	ug/Kg			05/20/13 19:58	1
Chloroform	ND		5.0	0.31	ug/Kg			05/20/13 19:58	1
Chloromethane	ND		5.0	0.30	ug/Kg			05/20/13 19:58	1
cis-1,2-Dichloroethene	ND		5.0	0.64	ug/Kg			05/20/13 19:58	1
cis-1,3-Dichloropropene	ND		5.0	0.72	ug/Kg			05/20/13 19:58	1
Cyclohexane	ND		5.0	0.70	ug/Kg			05/20/13 19:58	1
Dichlorodifluoromethane	ND		5.0	0.41	ug/Kg			05/20/13 19:58	1
Ethylbenzene	ND		5.0	0.35	ug/Kg			05/20/13 19:58	1
Isopropylbenzene	ND		5.0	0.75	ug/Kg			05/20/13 19:58	1
Methyl acetate	ND		5.0	0.93	ug/Kg			05/20/13 19:58	1
Methyl tert-butyl ether	ND		5.0	0.49	ug/Kg			05/20/13 19:58	1
Methylcyclohexane	ND		5.0	0.76	ug/Kg			05/20/13 19:58	1
Methylene Chloride	ND		5.0	2.3	ug/Kg			05/20/13 19:58	1
Styrene	ND		5.0	0.25	ug/Kg			05/20/13 19:58	1
Tetrachloroethene	ND		5.0	0.67	ug/Kg			05/20/13 19:58	1
Toluene	ND		5.0	0.38	ug/Kg			05/20/13 19:58	1
trans-1,2-Dichloroethene	ND		5.0	0.52	ug/Kg			05/20/13 19:58	1
trans-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg			05/20/13 19:58	1
Trichloroethene	ND		5.0	1.1	ug/Kg			05/20/13 19:58	1
Trichlorofluoromethane	ND		5.0	0.47	ug/Kg			05/20/13 19:58	1
Vinyl chloride	ND		5.0	0.61	ug/Kg			05/20/13 19:58	1
Xylenes, Total	ND		10	0.84	ug/Kg			05/20/13 19:58	1

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg					05/20/13 19:58	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		64 - 126		05/20/13 19:58	1
Toluene-d8 (Surr)	97		71 - 125		05/20/13 19:58	1
4-Bromofluorobenzene (Surr)	96		72 - 126		05/20/13 19:58	1

TestAmerica Buffalo

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: Troy Chevron Asphalt Terminal - 194098

TestAmerica Job ID: 480-37943-1

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

Lab Sample ID: LCS 480-119655/6

Matrix: Solid

Analysis Batch: 119655

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	50.0	47.1		ug/Kg		94	73 - 126
1,1-Dichloroethene	50.0	45.4		ug/Kg		91	59 - 125
1,2-Dichlorobenzene	50.0	50.0		ug/Kg		100	75 - 120
1,2-Dichloroethane	50.0	49.7		ug/Kg		99	77 - 122
Benzene	50.0	46.6		ug/Kg		93	79 - 127
Chlorobenzene	50.0	48.5		ug/Kg		97	76 - 124
cis-1,2-Dichloroethene	50.0	47.1		ug/Kg		94	81 - 117
Ethylbenzene	50.0	48.6		ug/Kg		97	80 - 120
Methyl tert-butyl ether	50.0	50.3		ug/Kg		101	63 - 125
Tetrachloroethene	50.0	47.6		ug/Kg		95	74 - 122
Toluene	50.0	47.6		ug/Kg		95	74 - 128
trans-1,2-Dichloroethene	50.0	46.5		ug/Kg		93	78 - 126
Trichloroethene	50.0	46.8		ug/Kg		94	77 - 129

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	97		64 - 126
Toluene-d8 (Surr)	96		71 - 125
4-Bromofluorobenzene (Surr)	96		72 - 126

Lab Sample ID: 480-38154-17 MS

Matrix: Solid

Analysis Batch: 119655

Client Sample ID: SPT-29(1.0-2.0)

Prep Type: Total/NA

Prep Batch: 119670

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	ND		55.0	29.3	F	ug/Kg	☼	53	73 - 126
1,1-Dichloroethene	ND		55.0	16.7	F	ug/Kg	☼	30	59 - 125
1,2-Dichlorobenzene	ND		55.0	8.83	F	ug/Kg	☼	16	75 - 120
1,2-Dichloroethane	ND		55.0	16.8	F	ug/Kg	☼	31	77 - 122
Benzene	ND		55.0	19.6	F	ug/Kg	☼	36	79 - 127
Chlorobenzene	ND		55.0	8.78	F	ug/Kg	☼	16	76 - 124
cis-1,2-Dichloroethene	ND		55.0	14.2	F	ug/Kg	☼	26	81 - 117
Ethylbenzene	ND		55.0	8.94	F	ug/Kg	☼	16	80 - 120
Methyl tert-butyl ether	ND		55.0	47.6		ug/Kg	☼	87	63 - 125
Tetrachloroethene	ND		55.0	13.2	F	ug/Kg	☼	24	74 - 122
Toluene	ND		55.0	15.6	F	ug/Kg	☼	28	74 - 128
trans-1,2-Dichloroethene	ND		55.0	12.6	F	ug/Kg	☼	23	78 - 126
Trichloroethene	ND		55.0	9.72	F	ug/Kg	☼	18	77 - 129

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	86		64 - 126
Toluene-d8 (Surr)	128	X	71 - 125
4-Bromofluorobenzene (Surr)	56	X	72 - 126

TestAmerica Buffalo

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: Troy Chevron Asphalt Terminal - 194098

TestAmerica Job ID: 480-37943-1

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

Lab Sample ID: 480-38154-17 MSD

Matrix: Solid

Analysis Batch: 119655

Client Sample ID: SPT-29(1.0-2.0)

Prep Type: Total/NA

Prep Batch: 119670

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethane	ND		54.5	33.5	F	ug/Kg	✱	61	73 - 126	13	30
1,1-Dichloroethene	ND		54.5	22.2	F	ug/Kg	✱	41	59 - 125	28	30
1,2-Dichlorobenzene	ND		54.5	8.15	F	ug/Kg	✱	15	75 - 120	8	30
1,2-Dichloroethane	ND		54.5	20.2	F	ug/Kg	✱	37	77 - 122	18	30
Benzene	ND		54.5	23.6	F	ug/Kg	✱	43	79 - 127	18	30
Chlorobenzene	ND		54.5	10.0	F	ug/Kg	✱	18	76 - 124	13	30
cis-1,2-Dichloroethene	ND		54.5	17.5	F	ug/Kg	✱	32	81 - 117	21	30
Ethylbenzene	ND		54.5	11.7	F	ug/Kg	✱	21	80 - 120	27	30
Methyl tert-butyl ether	ND		54.5	47.6		ug/Kg	✱	87	63 - 125	0	30
Tetrachloroethene	ND		54.5	17.6	F	ug/Kg	✱	32	74 - 122	29	30
Toluene	ND		54.5	17.4	F	ug/Kg	✱	32	74 - 128	11	30
trans-1,2-Dichloroethene	ND		54.5	16.9	F	ug/Kg	✱	31	78 - 126	29	30
Trichloroethene	ND		54.5	13.6	F	ug/Kg	✱	25	77 - 129	34	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	89		64 - 126
Toluene-d8 (Surr)	114		71 - 125
4-Bromofluorobenzene (Surr)	67	X	72 - 126

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

Lab Sample ID: MB 480-117993/1-A

Matrix: Solid

Analysis Batch: 118262

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 117993

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		170	1.9	ug/Kg		05/10/13 14:23	05/13/13 13:29	1
Acenaphthylene	ND		170	1.4	ug/Kg		05/10/13 14:23	05/13/13 13:29	1
Anthracene	ND		170	4.2	ug/Kg		05/10/13 14:23	05/13/13 13:29	1
Benz(a)anthracene	ND		170	2.9	ug/Kg		05/10/13 14:23	05/13/13 13:29	1
Benzo(a)pyrene	ND		170	4.0	ug/Kg		05/10/13 14:23	05/13/13 13:29	1
Benzo(b)fluoranthene	ND		170	3.2	ug/Kg		05/10/13 14:23	05/13/13 13:29	1
Benzo(g,h,i)perylene	ND		170	2.0	ug/Kg		05/10/13 14:23	05/13/13 13:29	1
Benzo(k)fluoranthene	ND		170	1.8	ug/Kg		05/10/13 14:23	05/13/13 13:29	1
Chrysene	ND		170	1.7	ug/Kg		05/10/13 14:23	05/13/13 13:29	1
Dibenz(a,h)anthracene	ND		170	1.9	ug/Kg		05/10/13 14:23	05/13/13 13:29	1
Fluoranthene	ND		170	2.4	ug/Kg		05/10/13 14:23	05/13/13 13:29	1
Fluorene	ND		170	3.8	ug/Kg		05/10/13 14:23	05/13/13 13:29	1
Indeno(1,2,3-c,d)pyrene	ND		170	4.6	ug/Kg		05/10/13 14:23	05/13/13 13:29	1
Naphthalene	ND		170	2.7	ug/Kg		05/10/13 14:23	05/13/13 13:29	1
Phenanthrene	ND		170	3.5	ug/Kg		05/10/13 14:23	05/13/13 13:29	1
Pyrene	ND		170	1.1	ug/Kg		05/10/13 14:23	05/13/13 13:29	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	66		34 - 132	05/10/13 14:23	05/13/13 13:29	1
2-Fluorobiphenyl	69		37 - 120	05/10/13 14:23	05/13/13 13:29	1
p-Terphenyl-d14	101		65 - 153	05/10/13 14:23	05/13/13 13:29	1

TestAmerica Buffalo

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: Troy Chevron Asphalt Terminal - 194098

TestAmerica Job ID: 480-37943-1

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

Lab Sample ID: LCS 480-117993/2-A

Matrix: Solid

Analysis Batch: 118262

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 117993

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	1630	1550		ug/Kg		95	53 - 120
Acenaphthylene	1630	1560		ug/Kg		96	58 - 121
Anthracene	1630	1630		ug/Kg		100	62 - 129
Benz(a)anthracene	1630	1940		ug/Kg		119	65 - 133
Benzo(a)pyrene	1630	1840		ug/Kg		113	64 - 127
Benzo(b)fluoranthene	1630	1770		ug/Kg		109	64 - 135
Benzo(g,h,i)perylene	1630	2230		ug/Kg		137	50 - 152
Benzo(k)fluoranthene	1630	1560		ug/Kg		96	58 - 138
Chrysene	1630	1790		ug/Kg		110	64 - 131
Dibenz(a,h)anthracene	1630	1880		ug/Kg		116	54 - 148
Fluoranthene	1630	1580		ug/Kg		97	62 - 131
Fluorene	1630	1580		ug/Kg		97	63 - 126
Indeno(1,2,3-c,d)pyrene	1630	1890		ug/Kg		116	56 - 149
Naphthalene	1630	1400		ug/Kg		86	46 - 120
Phenanthrene	1630	1630		ug/Kg		101	60 - 130
Pyrene	1630	1840		ug/Kg		113	51 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Nitrobenzene-d5	67		34 - 132
2-Fluorobiphenyl	75		37 - 120
p-Terphenyl-d14	101		65 - 153

Lab Sample ID: 480-37943-1 MS

Matrix: Solid

Analysis Batch: 119431

Client Sample ID: DPT-01 (13-5-14.0)

Prep Type: Total/NA

Prep Batch: 117993

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	6.0	J	1860	1680		ug/Kg	✱	90	53 - 120
Acenaphthylene	32	J	1860	1640		ug/Kg	✱	86	58 - 121
Anthracene	ND		1860	1810		ug/Kg	✱	97	62 - 129
Benz(a)anthracene	ND		1860	2050		ug/Kg	✱	110	65 - 133
Benzo(a)pyrene	ND		1860	2000		ug/Kg	✱	107	64 - 127
Benzo(b)fluoranthene	ND		1860	1930		ug/Kg	✱	104	64 - 135
Benzo(g,h,i)perylene	ND		1860	2470		ug/Kg	✱	133	50 - 152
Benzo(k)fluoranthene	ND		1860	1780		ug/Kg	✱	96	58 - 138
Chrysene	ND		1860	2010		ug/Kg	✱	108	64 - 131
Dibenz(a,h)anthracene	ND		1860	1980		ug/Kg	✱	106	54 - 148
Fluoranthene	7.8	J	1860	1870		ug/Kg	✱	100	62 - 131
Fluorene	32	J	1860	1770		ug/Kg	✱	93	63 - 126
Indeno(1,2,3-c,d)pyrene	ND		1860	2000		ug/Kg	✱	108	56 - 149
Naphthalene	1300		1860	1530	F	ug/Kg	✱	14	46 - 120
Phenanthrene	32	J	1860	1830		ug/Kg	✱	97	60 - 130
Pyrene	ND		1860	1970		ug/Kg	✱	106	51 - 133

Surrogate	MS %Recovery	MS Qualifier	Limits
Nitrobenzene-d5	64		34 - 132
2-Fluorobiphenyl	71		37 - 120

TestAmerica Buffalo

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: Troy Chevron Asphalt Terminal - 194098

TestAmerica Job ID: 480-37943-1

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

Lab Sample ID: 480-37943-1 MS

Matrix: Solid

Analysis Batch: 119431

Client Sample ID: DPT-01 (13-5-14.0)

Prep Type: Total/NA

Prep Batch: 117993

Surrogate	MS %Recovery	MS Qualifier	Limits
p-Terphenyl-d14	96		65 - 153

Lab Sample ID: 480-37943-1 MSD

Matrix: Solid

Analysis Batch: 119431

Client Sample ID: DPT-01 (13-5-14.0)

Prep Type: Total/NA

Prep Batch: 117993

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	6.0	J	1850	1580		ug/Kg	☼	85	53 - 120	6	35
Acenaphthylene	32	J	1850	1570		ug/Kg	☼	83	58 - 121	5	18
Anthracene	ND		1850	1680		ug/Kg	☼	91	62 - 129	7	15
Benz(a)anthracene	ND		1850	1900		ug/Kg	☼	103	65 - 133	8	15
Benzo(a)pyrene	ND		1850	1870		ug/Kg	☼	101	64 - 127	7	15
Benzo(b)fluoranthene	ND		1850	1870		ug/Kg	☼	101	64 - 135	3	15
Benzo(g,h,i)perylene	ND		1850	2300		ug/Kg	☼	124	50 - 152	7	15
Benzo(k)fluoranthene	ND		1850	1560		ug/Kg	☼	84	58 - 138	13	22
Chrysene	ND		1850	1840		ug/Kg	☼	99	64 - 131	9	15
Dibenz(a,h)anthracene	ND		1850	1850		ug/Kg	☼	100	54 - 148	7	15
Fluoranthene	7.8	J	1850	1700		ug/Kg	☼	91	62 - 131	9	15
Fluorene	32	J	1850	1650		ug/Kg	☼	87	63 - 126	7	15
Indeno(1,2,3-c,d)pyrene	ND		1850	1880		ug/Kg	☼	102	56 - 149	6	15
Naphthalene	1300		1850	1990	F	ug/Kg	☼	39	46 - 120	26	29
Phenanthrene	32	J	1850	1700		ug/Kg	☼	90	60 - 130	8	15
Pyrene	ND		1850	1820		ug/Kg	☼	98	51 - 133	8	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Nitrobenzene-d5	62		34 - 132
2-Fluorobiphenyl	68		37 - 120
p-Terphenyl-d14	89		65 - 153

Lab Sample ID: MB 480-118555/1-A

Matrix: Solid

Analysis Batch: 119772

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 118555

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		170	2.0	ug/Kg		05/14/13 14:43	05/21/13 14:06	1
Acenaphthylene	ND		170	1.4	ug/Kg		05/14/13 14:43	05/21/13 14:06	1
Anthracene	ND		170	4.3	ug/Kg		05/14/13 14:43	05/21/13 14:06	1
Benz(a)anthracene	ND		170	2.9	ug/Kg		05/14/13 14:43	05/21/13 14:06	1
Benzo(a)pyrene	ND		170	4.0	ug/Kg		05/14/13 14:43	05/21/13 14:06	1
Benzo(b)fluoranthene	ND		170	3.3	ug/Kg		05/14/13 14:43	05/21/13 14:06	1
Benzo(g,h,i)perylene	ND		170	2.0	ug/Kg		05/14/13 14:43	05/21/13 14:06	1
Benzo(k)fluoranthene	ND		170	1.8	ug/Kg		05/14/13 14:43	05/21/13 14:06	1
Chrysene	ND		170	1.7	ug/Kg		05/14/13 14:43	05/21/13 14:06	1
Dibenz(a,h)anthracene	ND		170	2.0	ug/Kg		05/14/13 14:43	05/21/13 14:06	1
Fluoranthene	ND		170	2.4	ug/Kg		05/14/13 14:43	05/21/13 14:06	1
Fluorene	ND		170	3.9	ug/Kg		05/14/13 14:43	05/21/13 14:06	1
Indeno(1,2,3-c,d)pyrene	ND		170	4.6	ug/Kg		05/14/13 14:43	05/21/13 14:06	1
Naphthalene	ND		170	2.8	ug/Kg		05/14/13 14:43	05/21/13 14:06	1

TestAmerica Buffalo

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: Troy Chevron Asphalt Terminal - 194098

TestAmerica Job ID: 480-37943-1

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

Lab Sample ID: MB 480-118555/1-A

Matrix: Solid

Analysis Batch: 119772

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 118555

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	ND		170	3.5	ug/Kg		05/14/13 14:43	05/21/13 14:06	1
Pyrene	ND		170	1.1	ug/Kg		05/14/13 14:43	05/21/13 14:06	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	63		34 - 132	05/14/13 14:43	05/21/13 14:06	1
2-Fluorobiphenyl	67		37 - 120	05/14/13 14:43	05/21/13 14:06	1
p-Terphenyl-d14	85		65 - 153	05/14/13 14:43	05/21/13 14:06	1

Lab Sample ID: LCS 480-118555/2-A

Matrix: Solid

Analysis Batch: 119772

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 118555

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	1660	1430		ug/Kg		86	53 - 120
Acenaphthylene	1660	1410		ug/Kg		85	58 - 121
Anthracene	1660	1460		ug/Kg		88	62 - 129
Benz(a)anthracene	1660	1570		ug/Kg		95	65 - 133
Benzo(a)pyrene	1660	1570		ug/Kg		95	64 - 127
Benzo(b)fluoranthene	1660	1440		ug/Kg		86	64 - 135
Benzo(g,h,i)perylene	1660	1400		ug/Kg		84	50 - 152
Benzo(k)fluoranthene	1660	1450		ug/Kg		87	58 - 138
Chrysene	1660	1470		ug/Kg		89	64 - 131
Dibenz(a,h)anthracene	1660	1320		ug/Kg		80	54 - 148
Fluoranthene	1660	1520		ug/Kg		91	62 - 131
Fluorene	1660	1480		ug/Kg		89	63 - 126
Indeno(1,2,3-c,d)pyrene	1660	1320		ug/Kg		80	56 - 149
Naphthalene	1660	1280		ug/Kg		77	46 - 120
Phenanthrene	1660	1470		ug/Kg		88	60 - 130
Pyrene	1660	1450		ug/Kg		87	51 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Nitrobenzene-d5	72		34 - 132
2-Fluorobiphenyl	81		37 - 120
p-Terphenyl-d14	93		65 - 153

Lab Sample ID: 480-38154-17 MS

Matrix: Solid

Analysis Batch: 119772

Client Sample ID: SPT-29(1.0-2.0)

Prep Type: Total/NA

Prep Batch: 118555

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	ND		1860	1460		ug/Kg	☼	79	53 - 120
Acenaphthylene	350	J	1860	2590		ug/Kg	☼	120	58 - 121
Anthracene	440	J	1860	3370	F	ug/Kg	☼	158	62 - 129
Benz(a)anthracene	2000		1860	6590	F	ug/Kg	☼	246	65 - 133
Benzo(a)pyrene	1500		1860	5790	F	ug/Kg	☼	230	64 - 127
Benzo(b)fluoranthene	2700		1860	10000	F	ug/Kg	☼	393	64 - 135
Benzo(g,h,i)perylene	750	J	1860	2940		ug/Kg	☼	118	50 - 152
Benzo(k)fluoranthene	860	J	1860	4090	F	ug/Kg	☼	174	58 - 138

TestAmerica Buffalo

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: Troy Chevron Asphalt Terminal - 194098

TestAmerica Job ID: 480-37943-1

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

Lab Sample ID: 480-38154-17 MS

Matrix: Solid

Analysis Batch: 119772

Client Sample ID: SPT-29(1.0-2.0)

Prep Type: Total/NA

Prep Batch: 118555

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chrysene	1900		1860	6710	F	ug/Kg	☼	256	64 - 131
Dibenz(a,h)anthracene	830	J	1860	2080		ug/Kg	☼	67	54 - 148
Fluoranthene	3200		1860	10400	F	ug/Kg	☼	387	62 - 131
Fluorene	160	J	1860	2320		ug/Kg	☼	116	63 - 126
Indeno(1,2,3-c,d)pyrene	1200		1860	3230		ug/Kg	☼	110	56 - 149
Naphthalene	460	J	1860	3330	F	ug/Kg	☼	155	46 - 120
Phenanthrene	2400		1860	9350	F	ug/Kg	☼	374	60 - 130
Pyrene	2400		1860	7720	F	ug/Kg	☼	286	51 - 133

Surrogate	MS %Recovery	MS Qualifier	Limits
Nitrobenzene-d5	61		34 - 132
2-Fluorobiphenyl	69		37 - 120
p-Terphenyl-d14	70		65 - 153

Lab Sample ID: 480-38154-17 MSD

Matrix: Solid

Analysis Batch: 119772

Client Sample ID: SPT-29(1.0-2.0)

Prep Type: Total/NA

Prep Batch: 118555

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	ND		1870	1500		ug/Kg	☼	80	53 - 120	2	35
Acenaphthylene	350	J	1870	2140	F	ug/Kg	☼	96	58 - 121	19	18
Anthracene	440	J	1870	2920	F	ug/Kg	☼	133	62 - 129	15	15
Benz(a)anthracene	2000		1870	4580	F	ug/Kg	☼	137	65 - 133	36	15
Benzo(a)pyrene	1500		1870	3680	F	ug/Kg	☼	117	64 - 127	44	15
Benzo(b)fluoranthene	2700		1870	5000	F	ug/Kg	☼	123	64 - 135	67	15
Benzo(g,h,i)perylene	750	J	1870	2100	F	ug/Kg	☼	72	50 - 152	33	15
Benzo(k)fluoranthene	860	J	1870	2940	F	ug/Kg	☼	112	58 - 138	33	22
Chrysene	1900		1870	4270	F	ug/Kg	☼	125	64 - 131	44	15
Dibenz(a,h)anthracene	830	J	1870	1830	F	ug/Kg	☼	53	54 - 148	13	15
Fluoranthene	3200		1870	7700	F	ug/Kg	☼	239	62 - 131	30	15
Fluorene	160	J	1870	2230		ug/Kg	☼	111	63 - 126	4	15
Indeno(1,2,3-c,d)pyrene	1200		1870	2450	F	ug/Kg	☼	68	56 - 149	27	15
Naphthalene	460	J	1870	2050	F	ug/Kg	☼	85	46 - 120	48	29
Phenanthrene	2400		1870	8420	F	ug/Kg	☼	323	60 - 130	10	15
Pyrene	2400		1870	5590	F	ug/Kg	☼	171	51 - 133	32	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Nitrobenzene-d5	64		34 - 132
2-Fluorobiphenyl	74		37 - 120
p-Terphenyl-d14	74		65 - 153

TestAmerica Buffalo

QC Association Summary

Client: TRC Solutions, Inc.

TestAmerica Job ID: 480-37943-1

Project/Site: Troy Chevron Asphalt Terminal - 194098

GC/MS VOA

Analysis Batch: 117857

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-117898/1-A	Lab Control Sample	Total/NA	Solid	8260B	117898
MB 480-117898/2-A	Method Blank	Total/NA	Solid	8260B	117898

Prep Batch: 117898

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-37943-2	DPT-02 (4.5-5.0)	Total/NA	Solid	5035	
LCS 480-117898/1-A	Lab Control Sample	Total/NA	Solid	5035	
MB 480-117898/2-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 118093

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-37943-9	DPT-10 (4.0-4.5)	Total/NA	Solid	8260B	118104
480-37943-9 MS	DPT-10 (4.0-4.5)	Total/NA	Solid	8260B	118104
480-37943-9 MSD	DPT-10 (4.0-4.5)	Total/NA	Solid	8260B	118104
LCS 480-118093/4	Lab Control Sample	Total/NA	Solid	8260B	
MB 480-118093/5	Method Blank	Total/NA	Solid	8260B	

Prep Batch: 118104

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-37943-9	DPT-10 (4.0-4.5)	Total/NA	Solid	5035	
480-37943-9 MS	DPT-10 (4.0-4.5)	Total/NA	Solid	5035	
480-37943-9 MSD	DPT-10 (4.0-4.5)	Total/NA	Solid	5035	

Analysis Batch: 118211

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-37943-2	DPT-02 (4.5-5.0)	Total/NA	Solid	8260B	117898

Analysis Batch: 118255

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-38154-10	DPT-22(13.5-14.0)	Total/NA	Solid	8260B	118263
480-38154-17	SPT-29(1.0-2.0)	Total/NA	Solid	8260B	118263
LCS 480-118255/4	Lab Control Sample	Total/NA	Solid	8260B	
MB 480-118255/7	Method Blank	Total/NA	Solid	8260B	

Prep Batch: 118263

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-38154-10	DPT-22(13.5-14.0)	Total/NA	Solid	5035	
480-38154-17	SPT-29(1.0-2.0)	Total/NA	Solid	5035	
480-38154-18	DPT-29(6.0-7.0)	Total/NA	Solid	5035	
480-38154-19	FD051013	Total/NA	Solid	5035	

Analysis Batch: 118414

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-38154-1	DPT-20(12.0-12.5)	Total/NA	Solid	8260B	118445
480-38154-2	DPT-21(3.0-3.5)	Total/NA	Solid	8260B	118445
480-38154-18	DPT-29(6.0-7.0)	Total/NA	Solid	8260B	118263
480-38154-19	FD051013	Total/NA	Solid	8260B	118263
480-38156-D-10-B MS	Matrix Spike	Total/NA	Solid	8260B	118436
480-38156-D-10-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8260B	118436
LCS 480-118414/4	Lab Control Sample	Total/NA	Solid	8260B	
MB 480-118414/5	Method Blank	Total/NA	Solid	8260B	

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QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: Troy Chevron Asphalt Terminal - 194098

TestAmerica Job ID: 480-37943-1

GC/MS VOA (Continued)

Prep Batch: 118436

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-38156-D-10-B MS	Matrix Spike	Total/NA	Solid	5035	
480-38156-D-10-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 118445

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-38154-1	DPT-20(12.0-12.5)	Total/NA	Solid	5035	
480-38154-2	DPT-21(3.0-3.5)	Total/NA	Solid	5035	

Prep Batch: 119364

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-38154-4	DPT-15(10.0-11.0)	Total/NA	Solid	5035	
480-38154-6	DPT-16(9.5-10.0)	Total/NA	Solid	5035	
480-38154-8	DPT-18(3.5-4.0)	Total/NA	Solid	5035	
480-38154-12	DPT-24(9.0-10.0)	Total/NA	Solid	5035	
LCS 480-119364/1-A	Lab Control Sample	Total/NA	Solid	5035	
MB 480-119364/2-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 119378

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-38154-4	DPT-15(10.0-11.0)	Total/NA	Solid	8260B	119364
480-38154-6	DPT-16(9.5-10.0)	Total/NA	Solid	8260B	119364
480-38154-8	DPT-18(3.5-4.0)	Total/NA	Solid	8260B	119364
480-38154-12	DPT-24(9.0-10.0)	Total/NA	Solid	8260B	119364
LCS 480-119364/1-A	Lab Control Sample	Total/NA	Solid	8260B	119364
MB 480-119364/2-A	Method Blank	Total/NA	Solid	8260B	119364

Prep Batch: 119649

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-37943-5	DPT-05 (22.5-23.0)	Total/NA	Solid	5035	
480-37943-7	DPT-08 (3.5-4.0)	Total/NA	Solid	5035	

Analysis Batch: 119655

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-37943-5	DPT-05 (22.5-23.0)	Total/NA	Solid	8260B	119649
480-37943-7	DPT-08 (3.5-4.0)	Total/NA	Solid	8260B	119649
480-38154-17 MS	SPT-29(1.0-2.0)	Total/NA	Solid	8260B	119670
480-38154-17 MSD	SPT-29(1.0-2.0)	Total/NA	Solid	8260B	119670
LCS 480-119655/6	Lab Control Sample	Total/NA	Solid	8260B	
MB 480-119655/7	Method Blank	Total/NA	Solid	8260B	

Prep Batch: 119670

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-38154-17 MS	SPT-29(1.0-2.0)	Total/NA	Solid	5035	
480-38154-17 MSD	SPT-29(1.0-2.0)	Total/NA	Solid	5035	

GC/MS Semi VOA

Prep Batch: 117993

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-37943-1	DPT-01 (13.5-14.0)	Total/NA	Solid	3550B	

TestAmerica Buffalo

QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: Troy Chevron Asphalt Terminal - 194098

TestAmerica Job ID: 480-37943-1

GC/MS Semi VOA (Continued)

Prep Batch: 117993 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-37943-1 MS	DPT-01 (13.5-14.0)	Total/NA	Solid	3550B	
480-37943-1 MSD	DPT-01 (13.5-14.0)	Total/NA	Solid	3550B	
480-37943-2	DPT-02 (4.5-5.0)	Total/NA	Solid	3550B	
480-37943-3	DPT-03 (14.5-15.0)	Total/NA	Solid	3550B	
480-37943-4	DPT-05 (2.5-3.0)	Total/NA	Solid	3550B	
480-37943-5	DPT-05 (22.5-23.0)	Total/NA	Solid	3550B	
480-37943-6	DPT-07 (11.0-11.5)	Total/NA	Solid	3550B	
480-37943-7	DPT-08 (3.5-4.0)	Total/NA	Solid	3550B	
480-37943-8	DPT-09 (22.5-23.0)	Total/NA	Solid	3550B	
480-37943-9	DPT-10 (4.0-4.5)	Total/NA	Solid	3550B	
480-37943-10	DPT-11 (23.0-23.5)	Total/NA	Solid	3550B	
480-37943-11	DPT-12 (3.5-4.0)	Total/NA	Solid	3550B	
480-37943-12	DPT-13 (7.5-8.0)	Total/NA	Solid	3550B	
480-37943-13	DPT-13 (15.0-15.5)	Total/NA	Solid	3550B	
480-37943-14	DPT-14 (6.0-6.5)	Total/NA	Solid	3550B	
480-37943-15	DPT-14 (16.0-16.5)	Total/NA	Solid	3550B	
LCS 480-117993/2-A	Lab Control Sample	Total/NA	Solid	3550B	
MB 480-117993/1-A	Method Blank	Total/NA	Solid	3550B	

Analysis Batch: 118262

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-117993/2-A	Lab Control Sample	Total/NA	Solid	8270C	117993
MB 480-117993/1-A	Method Blank	Total/NA	Solid	8270C	117993

Prep Batch: 118555

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-38154-1	DPT-20(12.0-12.5)	Total/NA	Solid	3550B	
480-38154-2	DPT-21(3.0-3.5)	Total/NA	Solid	3550B	
480-38154-3	DPT-21(21.5-22.0)	Total/NA	Solid	3550B	
480-38154-4	DPT-15(10.0-11.0)	Total/NA	Solid	3550B	
480-38154-5	DPT-15(17.0-17.5)	Total/NA	Solid	3550B	
480-38154-6	DPT-16(9.5-10.0)	Total/NA	Solid	3550B	
480-38154-6 - DL	DPT-16(9.5-10.0)	Total/NA	Solid	3550B	
480-38154-7	DPT-17(18.5-19.0)	Total/NA	Solid	3550B	
480-38154-8	DPT-18(3.5-4.0)	Total/NA	Solid	3550B	
480-38154-8 - DL	DPT-18(3.5-4.0)	Total/NA	Solid	3550B	
480-38154-9	DPT-19(15.5-16.0)	Total/NA	Solid	3550B	
480-38154-10	DPT-22(13.5-14.0)	Total/NA	Solid	3550B	
480-38154-11	DPT-23(2.5-3.0)	Total/NA	Solid	3550B	
480-38154-12	DPT-24(9.0-10.0)	Total/NA	Solid	3550B	
480-38154-12 - DL	DPT-24(9.0-10.0)	Total/NA	Solid	3550B	
480-38154-13	DPT-25(22.0-23.0)	Total/NA	Solid	3550B	
480-38154-14	DPT-26(17.0-17.5)	Total/NA	Solid	3550B	
480-38154-15	DPT-27(12.0-13.0)	Total/NA	Solid	3550B	
480-38154-16	DPT-27(22.0-22.5)	Total/NA	Solid	3550B	
480-38154-17	SPT-29(1.0-2.0)	Total/NA	Solid	3550B	
480-38154-17 MS	SPT-29(1.0-2.0)	Total/NA	Solid	3550B	
480-38154-17 MSD	SPT-29(1.0-2.0)	Total/NA	Solid	3550B	
480-38154-18	DPT-29(6.0-7.0)	Total/NA	Solid	3550B	
480-38154-19	FD051013	Total/NA	Solid	3550B	
LCS 480-118555/2-A	Lab Control Sample	Total/NA	Solid	3550B	

TestAmerica Buffalo

QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: Troy Chevron Asphalt Terminal - 194098

TestAmerica Job ID: 480-37943-1

GC/MS Semi VOA (Continued)

Prep Batch: 118555 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-118555/1-A	Method Blank	Total/NA	Solid	3550B	

Analysis Batch: 119431

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-37943-1	DPT-01 (13.5-14.0)	Total/NA	Solid	8270C	117993
480-37943-1 MS	DPT-01 (13.5-14.0)	Total/NA	Solid	8270C	117993
480-37943-1 MSD	DPT-01 (13.5-14.0)	Total/NA	Solid	8270C	117993
480-37943-2	DPT-02 (4.5-5.0)	Total/NA	Solid	8270C	117993
480-37943-3	DPT-03 (14.5-15.0)	Total/NA	Solid	8270C	117993
480-37943-4	DPT-05 (2.5-3.0)	Total/NA	Solid	8270C	117993
480-37943-5	DPT-05 (22.5-23.0)	Total/NA	Solid	8270C	117993
480-37943-6	DPT-07 (11.0-11.5)	Total/NA	Solid	8270C	117993
480-37943-7	DPT-08 (3.5-4.0)	Total/NA	Solid	8270C	117993
480-37943-8	DPT-09 (22.5-23.0)	Total/NA	Solid	8270C	117993
480-37943-9	DPT-10 (4.0-4.5)	Total/NA	Solid	8270C	117993
480-37943-10	DPT-11 (23.0-23.5)	Total/NA	Solid	8270C	117993
480-37943-11	DPT-12 (3.5-4.0)	Total/NA	Solid	8270C	117993
480-37943-12	DPT-13 (7.5-8.0)	Total/NA	Solid	8270C	117993
480-37943-13	DPT-13 (15.0-15.5)	Total/NA	Solid	8270C	117993
480-37943-14	DPT-14 (6.0-6.5)	Total/NA	Solid	8270C	117993
480-37943-15	DPT-14 (16.0-16.5)	Total/NA	Solid	8270C	117993

Analysis Batch: 119772

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-38154-1	DPT-20(12.0-12.5)	Total/NA	Solid	8270C	118555
480-38154-2	DPT-21(3.0-3.5)	Total/NA	Solid	8270C	118555
480-38154-3	DPT-21(21.5-22.0)	Total/NA	Solid	8270C	118555
480-38154-4	DPT-15(10.0-11.0)	Total/NA	Solid	8270C	118555
480-38154-5	DPT-15(17.0-17.5)	Total/NA	Solid	8270C	118555
480-38154-6	DPT-16(9.5-10.0)	Total/NA	Solid	8270C	118555
480-38154-7	DPT-17(18.5-19.0)	Total/NA	Solid	8270C	118555
480-38154-8	DPT-18(3.5-4.0)	Total/NA	Solid	8270C	118555
480-38154-9	DPT-19(15.5-16.0)	Total/NA	Solid	8270C	118555
480-38154-11	DPT-23(2.5-3.0)	Total/NA	Solid	8270C	118555
480-38154-12	DPT-24(9.0-10.0)	Total/NA	Solid	8270C	118555
480-38154-13	DPT-25(22.0-23.0)	Total/NA	Solid	8270C	118555
480-38154-14	DPT-26(17.0-17.5)	Total/NA	Solid	8270C	118555
480-38154-17	SPT-29(1.0-2.0)	Total/NA	Solid	8270C	118555
480-38154-17 MS	SPT-29(1.0-2.0)	Total/NA	Solid	8270C	118555
480-38154-17 MSD	SPT-29(1.0-2.0)	Total/NA	Solid	8270C	118555
LCS 480-118555/2-A	Lab Control Sample	Total/NA	Solid	8270C	118555
MB 480-118555/1-A	Method Blank	Total/NA	Solid	8270C	118555

Analysis Batch: 119996

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-38154-6 - DL	DPT-16(9.5-10.0)	Total/NA	Solid	8270C	118555
480-38154-8 - DL	DPT-18(3.5-4.0)	Total/NA	Solid	8270C	118555
480-38154-10	DPT-22(13.5-14.0)	Total/NA	Solid	8270C	118555
480-38154-12 - DL	DPT-24(9.0-10.0)	Total/NA	Solid	8270C	118555
480-38154-15	DPT-27(12.0-13.0)	Total/NA	Solid	8270C	118555
480-38154-16	DPT-27(22.0-22.5)	Total/NA	Solid	8270C	118555

TestAmerica Buffalo

QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: Troy Chevron Asphalt Terminal - 194098

TestAmerica Job ID: 480-37943-1

GC/MS Semi VOA (Continued)

Analysis Batch: 119996 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-38154-18	DPT-29(6.0-7.0)	Total/NA	Solid	8270C	118555
480-38154-19	FD051013	Total/NA	Solid	8270C	118555

General Chemistry

Analysis Batch: 117776

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-37943-1	DPT-01 (13.5-14.0)	Total/NA	Solid	Moisture	
480-37943-2	DPT-02 (4.5-5.0)	Total/NA	Solid	Moisture	
480-37943-3	DPT-03 (14.5-15.0)	Total/NA	Solid	Moisture	
480-37943-4	DPT-05 (2.5-3.0)	Total/NA	Solid	Moisture	
480-37943-5	DPT-05 (22.5-23.0)	Total/NA	Solid	Moisture	
480-37943-6	DPT-07 (11.0-11.5)	Total/NA	Solid	Moisture	
480-37943-7	DPT-08 (3.5-4.0)	Total/NA	Solid	Moisture	
480-37943-8	DPT-09 (22.5-23.0)	Total/NA	Solid	Moisture	
480-37943-9	DPT-10 (4.0-4.5)	Total/NA	Solid	Moisture	
480-37943-10	DPT-11 (23.0-23.5)	Total/NA	Solid	Moisture	
480-37943-11	DPT-12 (3.5-4.0)	Total/NA	Solid	Moisture	
480-37943-12	DPT-13 (7.5-8.0)	Total/NA	Solid	Moisture	
480-37943-13	DPT-13 (15.0-15.5)	Total/NA	Solid	Moisture	
480-37943-14	DPT-14 (6.0-6.5)	Total/NA	Solid	Moisture	
480-37943-15	DPT-14 (16.0-16.5)	Total/NA	Solid	Moisture	
480-37944-A-7 MS	Matrix Spike	Total/NA	Solid	Moisture	
480-37944-A-7 MSD	Matrix Spike Duplicate	Total/NA	Solid	Moisture	

Analysis Batch: 118106

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-38154-1	DPT-20(12.0-12.5)	Total/NA	Solid	Moisture	
480-38154-2	DPT-21(3.0-3.5)	Total/NA	Solid	Moisture	
480-38154-3	DPT-21(21.5-22.0)	Total/NA	Solid	Moisture	
480-38154-4	DPT-15(10.0-11.0)	Total/NA	Solid	Moisture	
480-38154-5	DPT-15(17.0-17.5)	Total/NA	Solid	Moisture	
480-38154-6	DPT-16(9.5-10.0)	Total/NA	Solid	Moisture	
480-38154-7	DPT-17(18.5-19.0)	Total/NA	Solid	Moisture	
480-38154-8	DPT-18(3.5-4.0)	Total/NA	Solid	Moisture	
480-38154-9	DPT-19(15.5-16.0)	Total/NA	Solid	Moisture	
480-38154-10	DPT-22(13.5-14.0)	Total/NA	Solid	Moisture	
480-38154-11	DPT-23(2.5-3.0)	Total/NA	Solid	Moisture	
480-38154-12	DPT-24(9.0-10.0)	Total/NA	Solid	Moisture	
480-38154-13	DPT-25(22.0-23.0)	Total/NA	Solid	Moisture	
480-38154-14	DPT-26(17.0-17.5)	Total/NA	Solid	Moisture	
480-38154-15	DPT-27(12.0-13.0)	Total/NA	Solid	Moisture	
480-38154-16	DPT-27(22.0-22.5)	Total/NA	Solid	Moisture	
480-38154-17	SPT-29(1.0-2.0)	Total/NA	Solid	Moisture	
480-38154-17 MS	SPT-29(1.0-2.0)	Total/NA	Solid	Moisture	
480-38154-17 MSD	SPT-29(1.0-2.0)	Total/NA	Solid	Moisture	
480-38154-18	DPT-29(6.0-7.0)	Total/NA	Solid	Moisture	
480-38154-19	FD051013	Total/NA	Solid	Moisture	

TestAmerica Buffalo

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: Troy Chevron Asphalt Terminal - 194098

TestAmerica Job ID: 480-37943-1

Client Sample ID: DPT-01 (13-5-14.0)

Date Collected: 05/06/13 09:15

Date Received: 05/09/13 01:30

Lab Sample ID: 480-37943-1

Matrix: Solid

Percent Solids: 88.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			117993	05/10/13 14:23	TG	TAL BUF
Total/NA	Analysis	8270C		1	119431	05/18/13 11:47	HTL	TAL BUF
Total/NA	Analysis	Moisture		1	117776	05/09/13 16:49		TAL BUF

Client Sample ID: DPT-02 (4.5-5.0)

Date Collected: 05/06/13 11:00

Date Received: 05/09/13 01:30

Lab Sample ID: 480-37943-2

Matrix: Solid

Percent Solids: 69.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			117898	05/10/13 18:05	TRF	TAL BUF
Total/NA	Analysis	8260B		20	118211	05/13/13 11:26	RL	TAL BUF
Total/NA	Prep	3550B			117993	05/10/13 14:23	TG	TAL BUF
Total/NA	Analysis	8270C		400	119431	05/18/13 12:11	HTL	TAL BUF
Total/NA	Analysis	Moisture		1	117776	05/09/13 16:49		TAL BUF

Client Sample ID: DPT-03 (14.5-15.0)

Date Collected: 05/06/13 11:35

Date Received: 05/09/13 01:30

Lab Sample ID: 480-37943-3

Matrix: Solid

Percent Solids: 86.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			117993	05/10/13 14:23	TG	TAL BUF
Total/NA	Analysis	8270C		1	119431	05/18/13 12:35	HTL	TAL BUF
Total/NA	Analysis	Moisture		1	117776	05/09/13 16:49		TAL BUF

Client Sample ID: DPT-05 (2.5-3.0)

Date Collected: 05/06/13 13:30

Date Received: 05/09/13 01:30

Lab Sample ID: 480-37943-4

Matrix: Solid

Percent Solids: 87.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			117993	05/10/13 14:23	TG	TAL BUF
Total/NA	Analysis	8270C		1	119431	05/18/13 12:59	HTL	TAL BUF
Total/NA	Analysis	Moisture		1	117776	05/09/13 16:49		TAL BUF

Client Sample ID: DPT-05 (22.5-23.0)

Date Collected: 05/06/13 13:40

Date Received: 05/09/13 01:30

Lab Sample ID: 480-37943-5

Matrix: Solid

Percent Solids: 91.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			119649	05/20/13 15:35	TRB	TAL BUF
Total/NA	Analysis	8260B		1	119655	05/20/13 23:42	PJQ	TAL BUF
Total/NA	Prep	3550B			117993	05/10/13 14:23	TG	TAL BUF
Total/NA	Analysis	8270C		1	119431	05/18/13 13:24	HTL	TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: Troy Chevron Asphalt Terminal - 194098

TestAmerica Job ID: 480-37943-1

Client Sample ID: DPT-05 (22.5-23.0)

Lab Sample ID: 480-37943-5

Date Collected: 05/06/13 13:40

Matrix: Solid

Date Received: 05/09/13 01:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	117776	05/09/13 16:49		TAL BUF

Client Sample ID: DPT-07 (11.0-11.5)

Lab Sample ID: 480-37943-6

Date Collected: 05/07/13 09:30

Matrix: Solid

Date Received: 05/09/13 01:30

Percent Solids: 84.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			117993	05/10/13 14:23	TG	TAL BUF
Total/NA	Analysis	8270C		1	119431	05/18/13 13:48	HTL	TAL BUF
Total/NA	Analysis	Moisture		1	117776	05/09/13 16:49		TAL BUF

Client Sample ID: DPT-08 (3.5-4.0)

Lab Sample ID: 480-37943-7

Date Collected: 05/07/13 10:30

Matrix: Solid

Date Received: 05/09/13 01:30

Percent Solids: 85.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			119649	05/20/13 15:35	TRB	TAL BUF
Total/NA	Analysis	8260B		1	119655	05/21/13 00:08	PJQ	TAL BUF
Total/NA	Prep	3550B			117993	05/10/13 14:23	TG	TAL BUF
Total/NA	Analysis	8270C		1	119431	05/18/13 14:12	HTL	TAL BUF
Total/NA	Analysis	Moisture		1	117776	05/09/13 16:49		TAL BUF

Client Sample ID: DPT-09 (22.5-23.0)

Lab Sample ID: 480-37943-8

Date Collected: 05/07/13 11:10

Matrix: Solid

Date Received: 05/09/13 01:30

Percent Solids: 90.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			117993	05/10/13 14:23	TG	TAL BUF
Total/NA	Analysis	8270C		1	119431	05/18/13 14:36	HTL	TAL BUF
Total/NA	Analysis	Moisture		1	117776	05/09/13 16:49		TAL BUF

Client Sample ID: DPT-10 (4.0-4.5)

Lab Sample ID: 480-37943-9

Date Collected: 05/07/13 13:30

Matrix: Solid

Date Received: 05/09/13 01:30

Percent Solids: 91.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			118104	05/11/13 12:54	PJQ	TAL BUF
Total/NA	Analysis	8260B		1	118093	05/11/13 19:10	PJQ	TAL BUF
Total/NA	Prep	3550B			117993	05/10/13 14:23	TG	TAL BUF
Total/NA	Analysis	8270C		1	119431	05/18/13 15:00	HTL	TAL BUF
Total/NA	Analysis	Moisture		1	117776	05/09/13 16:49		TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: Troy Chevron Asphalt Terminal - 194098

TestAmerica Job ID: 480-37943-1

Client Sample ID: DPT-11 (23.0-23.5)

Lab Sample ID: 480-37943-10

Date Collected: 05/07/13 15:00

Matrix: Solid

Date Received: 05/09/13 01:30

Percent Solids: 82.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			117993	05/10/13 14:23	TG	TAL BUF
Total/NA	Analysis	8270C		1	119431	05/18/13 15:24	HTL	TAL BUF
Total/NA	Analysis	Moisture		1	117776	05/09/13 16:49		TAL BUF

Client Sample ID: DPT-12 (3.5-4.0)

Lab Sample ID: 480-37943-11

Date Collected: 05/08/13 08:30

Matrix: Solid

Date Received: 05/09/13 01:30

Percent Solids: 91.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			117993	05/10/13 14:23	TG	TAL BUF
Total/NA	Analysis	8270C		5	119431	05/18/13 15:48	HTL	TAL BUF
Total/NA	Analysis	Moisture		1	117776	05/09/13 16:49		TAL BUF

Client Sample ID: DPT-13 (7.5-8.0)

Lab Sample ID: 480-37943-12

Date Collected: 05/08/13 09:00

Matrix: Solid

Date Received: 05/09/13 01:30

Percent Solids: 83.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			117993	05/10/13 14:23	TG	TAL BUF
Total/NA	Analysis	8270C		5	119431	05/18/13 16:13	HTL	TAL BUF
Total/NA	Analysis	Moisture		1	117776	05/09/13 16:49		TAL BUF

Client Sample ID: DPT-13 (15.0-15.5)

Lab Sample ID: 480-37943-13

Date Collected: 05/08/13 09:15

Matrix: Solid

Date Received: 05/09/13 01:30

Percent Solids: 76.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			117993	05/10/13 14:23	TG	TAL BUF
Total/NA	Analysis	8270C		1	119431	05/18/13 16:37	HTL	TAL BUF
Total/NA	Analysis	Moisture		1	117776	05/09/13 16:49		TAL BUF

Client Sample ID: DPT-14 (6.0-6.5)

Lab Sample ID: 480-37943-14

Date Collected: 05/08/13 11:00

Matrix: Solid

Date Received: 05/09/13 01:30

Percent Solids: 92.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			117993	05/10/13 14:23	TG	TAL BUF
Total/NA	Analysis	8270C		1	119431	05/18/13 17:01	HTL	TAL BUF
Total/NA	Analysis	Moisture		1	117776	05/09/13 16:49		TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: Troy Chevron Asphalt Terminal - 194098

TestAmerica Job ID: 480-37943-1

Client Sample ID: DPT-14 (16.0-16.5)

Lab Sample ID: 480-37943-15

Date Collected: 05/08/13 11:30

Matrix: Solid

Date Received: 05/09/13 01:30

Percent Solids: 87.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			117993	05/10/13 14:23	TG	TAL BUF
Total/NA	Analysis	8270C		1	119431	05/18/13 17:25	HTL	TAL BUF
Total/NA	Analysis	Moisture		1	117776	05/09/13 16:49		TAL BUF

Client Sample ID: DPT-20(12.0-12.5)

Lab Sample ID: 480-38154-1

Date Collected: 05/10/13 08:30

Matrix: Solid

Date Received: 05/11/13 02:00

Percent Solids: 85.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			118445	05/14/13 09:16	PJQ	TAL BUF
Total/NA	Analysis	8260B		1	118414	05/14/13 11:30	CDC	TAL BUF
Total/NA	Prep	3550B			118555	05/14/13 14:43	ND	TAL BUF
Total/NA	Analysis	8270C		1	119772	05/21/13 16:08	HTL	TAL BUF
Total/NA	Analysis	Moisture		1	118106	05/11/13 13:06		TAL BUF

Client Sample ID: DPT-21(3.0-3.5)

Lab Sample ID: 480-38154-2

Date Collected: 05/10/13 09:20

Matrix: Solid

Date Received: 05/11/13 02:00

Percent Solids: 85.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			118445	05/14/13 09:16	PJQ	TAL BUF
Total/NA	Analysis	8260B		1	118414	05/14/13 11:56	CDC	TAL BUF
Total/NA	Prep	3550B			118555	05/14/13 14:43	ND	TAL BUF
Total/NA	Analysis	8270C		1	119772	05/21/13 16:32	HTL	TAL BUF
Total/NA	Analysis	Moisture		1	118106	05/11/13 13:06		TAL BUF

Client Sample ID: DPT-21(21.5-22.0)

Lab Sample ID: 480-38154-3

Date Collected: 05/10/13 09:40

Matrix: Solid

Date Received: 05/11/13 02:00

Percent Solids: 70.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			118555	05/14/13 14:43	ND	TAL BUF
Total/NA	Analysis	8270C		1	119772	05/21/13 16:57	HTL	TAL BUF
Total/NA	Analysis	Moisture		1	118106	05/11/13 13:06		TAL BUF

Client Sample ID: DPT-15(10.0-11.0)

Lab Sample ID: 480-38154-4

Date Collected: 05/10/13 11:00

Matrix: Solid

Date Received: 05/11/13 02:00

Percent Solids: 83.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			119364	05/17/13 17:16	RL	TAL BUF
Total/NA	Analysis	8260B		40	119378	05/18/13 05:00	TRF	TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: Troy Chevron Asphalt Terminal - 194098

TestAmerica Job ID: 480-37943-1

Client Sample ID: DPT-15(10.0-11.0)

Lab Sample ID: 480-38154-4

Date Collected: 05/10/13 11:00

Matrix: Solid

Date Received: 05/11/13 02:00

Percent Solids: 83.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			118555	05/14/13 14:43	ND	TAL BUF
Total/NA	Analysis	8270C		50	119772	05/21/13 17:21	HTL	TAL BUF
Total/NA	Analysis	Moisture		1	118106	05/11/13 13:06		TAL BUF

Client Sample ID: DPT-15(17.0-17.5)

Lab Sample ID: 480-38154-5

Date Collected: 05/10/13 11:10

Matrix: Solid

Date Received: 05/11/13 02:00

Percent Solids: 72.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			118555	05/14/13 14:43	ND	TAL BUF
Total/NA	Analysis	8270C		5	119772	05/21/13 17:46	HTL	TAL BUF
Total/NA	Analysis	Moisture		1	118106	05/11/13 13:06		TAL BUF

Client Sample ID: DPT-16(9.5-10.0)

Lab Sample ID: 480-38154-6

Date Collected: 05/10/13 13:00

Matrix: Solid

Date Received: 05/11/13 02:00

Percent Solids: 73.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			119364	05/17/13 17:16	RL	TAL BUF
Total/NA	Analysis	8260B		40	119378	05/18/13 05:23	TRF	TAL BUF
Total/NA	Prep	3550B			118555	05/14/13 14:43	ND	TAL BUF
Total/NA	Analysis	8270C		50	119772	05/21/13 18:10	HTL	TAL BUF
Total/NA	Prep	3550B	DL		118555	05/14/13 14:43	ND	TAL BUF
Total/NA	Analysis	8270C	DL	250	119996	05/22/13 12:26	HTL	TAL BUF
Total/NA	Analysis	Moisture		1	118106	05/11/13 13:06		TAL BUF

Client Sample ID: DPT-17(18.5-19.0)

Lab Sample ID: 480-38154-7

Date Collected: 05/10/13 13:30

Matrix: Solid

Date Received: 05/11/13 02:00

Percent Solids: 79.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			118555	05/14/13 14:43	ND	TAL BUF
Total/NA	Analysis	8270C		1	119772	05/21/13 18:35	HTL	TAL BUF
Total/NA	Analysis	Moisture		1	118106	05/11/13 13:06		TAL BUF

Client Sample ID: DPT-18(3.5-4.0)

Lab Sample ID: 480-38154-8

Date Collected: 05/10/13 14:30

Matrix: Solid

Date Received: 05/11/13 02:00

Percent Solids: 88.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			119364	05/17/13 17:16	RL	TAL BUF
Total/NA	Analysis	8260B		40	119378	05/18/13 05:45	TRF	TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: Troy Chevron Asphalt Terminal - 194098

TestAmerica Job ID: 480-37943-1

Client Sample ID: DPT-18(3.5-4.0)

Lab Sample ID: 480-38154-8

Date Collected: 05/10/13 14:30

Matrix: Solid

Date Received: 05/11/13 02:00

Percent Solids: 88.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			118555	05/14/13 14:43	ND	TAL BUF
Total/NA	Analysis	8270C		10	119772	05/21/13 18:59	HTL	TAL BUF
Total/NA	Prep	3550B	DL		118555	05/14/13 14:43	ND	TAL BUF
Total/NA	Analysis	8270C	DL	50	119996	05/22/13 14:03	HTL	TAL BUF
Total/NA	Analysis	Moisture		1	118106	05/11/13 13:06		TAL BUF

Client Sample ID: DPT-19(15.5-16.0)

Lab Sample ID: 480-38154-9

Date Collected: 05/10/13 15:30

Matrix: Solid

Date Received: 05/11/13 02:00

Percent Solids: 88.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			118555	05/14/13 14:43	ND	TAL BUF
Total/NA	Analysis	8270C		1	119772	05/21/13 19:23	HTL	TAL BUF
Total/NA	Analysis	Moisture		1	118106	05/11/13 13:06		TAL BUF

Client Sample ID: DPT-22(13.5-14.0)

Lab Sample ID: 480-38154-10

Date Collected: 05/10/13 10:00

Matrix: Solid

Date Received: 05/11/13 02:00

Percent Solids: 75.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			118263	05/13/13 10:13	PJQ	TAL BUF
Total/NA	Analysis	8260B		1	118255	05/13/13 19:25	PJQ	TAL BUF
Total/NA	Prep	3550B			118555	05/14/13 14:43	ND	TAL BUF
Total/NA	Analysis	8270C		5	119996	05/22/13 14:28	HTL	TAL BUF
Total/NA	Analysis	Moisture		1	118106	05/11/13 13:06		TAL BUF

Client Sample ID: DPT-23(2.5-3.0)

Lab Sample ID: 480-38154-11

Date Collected: 05/10/13 11:15

Matrix: Solid

Date Received: 05/11/13 02:00

Percent Solids: 83.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			118555	05/14/13 14:43	ND	TAL BUF
Total/NA	Analysis	8270C		1	119772	05/21/13 20:12	HTL	TAL BUF
Total/NA	Analysis	Moisture		1	118106	05/11/13 13:06		TAL BUF

Client Sample ID: DPT-24(9.0-10.0)

Lab Sample ID: 480-38154-12

Date Collected: 05/10/13 12:00

Matrix: Solid

Date Received: 05/11/13 02:00

Percent Solids: 70.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			119364	05/17/13 17:16	RL	TAL BUF
Total/NA	Analysis	8260B		40	119378	05/18/13 06:08	TRF	TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: Troy Chevron Asphalt Terminal - 194098

TestAmerica Job ID: 480-37943-1

Client Sample ID: DPT-24(9.0-10.0)

Lab Sample ID: 480-38154-12

Date Collected: 05/10/13 12:00

Matrix: Solid

Date Received: 05/11/13 02:00

Percent Solids: 70.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			118555	05/14/13 14:43	ND	TAL BUF
Total/NA	Analysis	8270C		50	119772	05/21/13 20:36	HTL	TAL BUF
Total/NA	Prep	3550B	DL		118555	05/14/13 14:43	ND	TAL BUF
Total/NA	Analysis	8270C	DL	250	119996	05/22/13 14:53	HTL	TAL BUF
Total/NA	Analysis	Moisture		1	118106	05/11/13 13:06		TAL BUF

Client Sample ID: DPT-25(22.0-23.0)

Lab Sample ID: 480-38154-13

Date Collected: 05/10/13 13:00

Matrix: Solid

Date Received: 05/11/13 02:00

Percent Solids: 61.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			118555	05/14/13 14:43	ND	TAL BUF
Total/NA	Analysis	8270C		10	119772	05/21/13 21:01	HTL	TAL BUF
Total/NA	Analysis	Moisture		1	118106	05/11/13 13:06		TAL BUF

Client Sample ID: DPT-26(17.0-17.5)

Lab Sample ID: 480-38154-14

Date Collected: 05/10/13 13:30

Matrix: Solid

Date Received: 05/11/13 02:00

Percent Solids: 84.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			118555	05/14/13 14:43	ND	TAL BUF
Total/NA	Analysis	8270C		1	119772	05/21/13 21:25	HTL	TAL BUF
Total/NA	Analysis	Moisture		1	118106	05/11/13 13:06		TAL BUF

Client Sample ID: DPT-27(12.0-13.0)

Lab Sample ID: 480-38154-15

Date Collected: 05/10/13 14:15

Matrix: Solid

Date Received: 05/11/13 02:00

Percent Solids: 84.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			118555	05/14/13 14:43	ND	TAL BUF
Total/NA	Analysis	8270C		20	119996	05/22/13 15:17	HTL	TAL BUF
Total/NA	Analysis	Moisture		1	118106	05/11/13 13:06		TAL BUF

Client Sample ID: DPT-27(22.0-22.5)

Lab Sample ID: 480-38154-16

Date Collected: 05/10/13 14:25

Matrix: Solid

Date Received: 05/11/13 02:00

Percent Solids: 85.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			118555	05/14/13 14:43	ND	TAL BUF
Total/NA	Analysis	8270C		1	119996	05/22/13 15:41	HTL	TAL BUF
Total/NA	Analysis	Moisture		1	118106	05/11/13 13:06		TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: Troy Chevron Asphalt Terminal - 194098

TestAmerica Job ID: 480-37943-1

Client Sample ID: SPT-29(1.0-2.0)

Lab Sample ID: 480-38154-17

Date Collected: 05/10/13 15:00

Matrix: Solid

Date Received: 05/11/13 02:00

Percent Solids: 88.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			118263	05/13/13 10:13	PJQ	TAL BUF
Total/NA	Analysis	8260B		1	118255	05/13/13 20:16	PJQ	TAL BUF
Total/NA	Prep	3550B			118555	05/14/13 14:43	ND	TAL BUF
Total/NA	Analysis	8270C		5	119772	05/21/13 14:55	HTL	TAL BUF
Total/NA	Analysis	Moisture		1	118106	05/11/13 13:06		TAL BUF

Client Sample ID: DPT-29(6.0-7.0)

Lab Sample ID: 480-38154-18

Date Collected: 05/10/13 15:15

Matrix: Solid

Date Received: 05/11/13 02:00

Percent Solids: 88.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			118263	05/13/13 10:13	PJQ	TAL BUF
Total/NA	Analysis	8260B		1	118414	05/14/13 19:34	CDC	TAL BUF
Total/NA	Prep	3550B			118555	05/14/13 14:43	ND	TAL BUF
Total/NA	Analysis	8270C		1	119996	05/22/13 16:06	HTL	TAL BUF
Total/NA	Analysis	Moisture		1	118106	05/11/13 13:06		TAL BUF

Client Sample ID: FD051013

Lab Sample ID: 480-38154-19

Date Collected: 05/10/13 00:00

Matrix: Solid

Date Received: 05/11/13 02:00

Percent Solids: 86.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			118263	05/13/13 10:13	PJQ	TAL BUF
Total/NA	Analysis	8260B		1	118414	05/14/13 19:59	CDC	TAL BUF
Total/NA	Prep	3550B			118555	05/14/13 14:43	ND	TAL BUF
Total/NA	Analysis	8270C		1	119996	05/22/13 16:30	HTL	TAL BUF
Total/NA	Analysis	Moisture		1	118106	05/11/13 13:06		TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Certification Summary

Client: TRC Solutions, Inc.

TestAmerica Job ID: 480-37943-1

Project/Site: Troy Chevron Asphalt Terminal - 194098

Laboratory: TestAmerica Buffalo

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0686	07-06-13
California	NELAP	9	1169CA	09-30-13
Connecticut	State Program	1	PH-0568	09-30-14
Florida	NELAP	4	E87672	06-30-13
Georgia	State Program	4	N/A	03-31-14
Georgia	State Program	4	956	06-30-13
Georgia	State Program	4	956	03-31-14
Illinois	NELAP	5	200003	09-30-13
Iowa	State Program	7	374	03-15-15
Kansas	NELAP	7	E-10187	01-31-14
Kentucky	State Program	4	90029	12-31-13
Kentucky (UST)	State Program	4	30	04-01-14
Louisiana	NELAP	6	02031	06-30-13
Maine	State Program	1	NY00044	12-04-13
Maryland	State Program	3	294	03-31-14
Massachusetts	State Program	1	M-NY044	06-30-13
Michigan	State Program	5	9937	04-01-13 *
Minnesota	NELAP	5	036-999-337	12-31-13
New Hampshire	NELAP	1	2973	09-11-13
New Hampshire	NELAP	1	2337	11-17-13
New Jersey	NELAP	2	NY455	06-30-13
New York	NELAP	2	10026	04-01-14
North Dakota	State Program	8	R-176	03-31-14
Oklahoma	State Program	6	9421	08-31-13
Oregon	NELAP	10	NY200003	06-09-13
Pennsylvania	NELAP	3	68-00281	07-31-13
Rhode Island	State Program	1	LAO00328	12-31-13
Tennessee	State Program	4	TN02970	04-01-14
Texas	NELAP	6	T104704412-11-2	07-31-13
USDA	Federal		P330-11-00386	11-22-14
Virginia	NELAP	3	460185	09-14-13
Washington	State Program	10	C784	02-10-14
West Virginia DEP	State Program	3	252	09-30-13
Wisconsin	State Program	5	998310390	08-31-13

* Expired certification is currently pending renewal and is considered valid.

TestAmerica Buffalo

Method Summary

Client: TRC Solutions, Inc.

TestAmerica Job ID: 480-37943-1

Project/Site: Troy Chevron Asphalt Terminal - 194098

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL BUF
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
Moisture	Percent Moisture	EPA	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: TRC Solutions, Inc.

TestAmerica Job ID: 480-37943-1

Project/Site: Troy Chevron Asphalt Terminal - 194098

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-37943-1	DPT-01 (13.5-14.0)	Solid	05/06/13 09:15	05/09/13 01:30
480-37943-2	DPT-02 (4.5-5.0)	Solid	05/06/13 11:00	05/09/13 01:30
480-37943-3	DPT-03 (14.5-15.0)	Solid	05/06/13 11:35	05/09/13 01:30
480-37943-4	DPT-05 (2.5-3.0)	Solid	05/06/13 13:30	05/09/13 01:30
480-37943-5	DPT-05 (22.5-23.0)	Solid	05/06/13 13:40	05/09/13 01:30
480-37943-6	DPT-07 (11.0-11.5)	Solid	05/07/13 09:30	05/09/13 01:30
480-37943-7	DPT-08 (3.5-4.0)	Solid	05/07/13 10:30	05/09/13 01:30
480-37943-8	DPT-09 (22.5-23.0)	Solid	05/07/13 11:10	05/09/13 01:30
480-37943-9	DPT-10 (4.0-4.5)	Solid	05/07/13 13:30	05/09/13 01:30
480-37943-10	DPT-11 (23.0-23.5)	Solid	05/07/13 15:00	05/09/13 01:30
480-37943-11	DPT-12 (3.5-4.0)	Solid	05/08/13 08:30	05/09/13 01:30
480-37943-12	DPT-13 (7.5-8.0)	Solid	05/08/13 09:00	05/09/13 01:30
480-37943-13	DPT-13 (15.0-15.5)	Solid	05/08/13 09:15	05/09/13 01:30
480-37943-14	DPT-14 (6.0-6.5)	Solid	05/08/13 11:00	05/09/13 01:30
480-37943-15	DPT-14 (16.0-16.5)	Solid	05/08/13 11:30	05/09/13 01:30
480-38154-1	DPT-20(12.0-12.5)	Solid	05/10/13 08:30	05/11/13 02:00
480-38154-2	DPT-21(3.0-3.5)	Solid	05/10/13 09:20	05/11/13 02:00
480-38154-3	DPT-21(21.5-22.0)	Solid	05/10/13 09:40	05/11/13 02:00
480-38154-4	DPT-15(10.0-11.0)	Solid	05/10/13 11:00	05/11/13 02:00
480-38154-5	DPT-15(17.0-17.5)	Solid	05/10/13 11:10	05/11/13 02:00
480-38154-6	DPT-16(9.5-10.0)	Solid	05/10/13 13:00	05/11/13 02:00
480-38154-7	DPT-17(18.5-19.0)	Solid	05/10/13 13:30	05/11/13 02:00
480-38154-8	DPT-18(3.5-4.0)	Solid	05/10/13 14:30	05/11/13 02:00
480-38154-9	DPT-19(15.5-16.0)	Solid	05/10/13 15:30	05/11/13 02:00
480-38154-10	DPT-22(13.5-14.0)	Solid	05/10/13 10:00	05/11/13 02:00
480-38154-11	DPT-23(2.5-3.0)	Solid	05/10/13 11:15	05/11/13 02:00
480-38154-12	DPT-24(9.0-10.0)	Solid	05/10/13 12:00	05/11/13 02:00
480-38154-13	DPT-25(22.0-23.0)	Solid	05/10/13 13:00	05/11/13 02:00
480-38154-14	DPT-26(17.0-17.5)	Solid	05/10/13 13:30	05/11/13 02:00
480-38154-15	DPT-27(12.0-13.0)	Solid	05/10/13 14:15	05/11/13 02:00
480-38154-16	DPT-27(22.0-22.5)	Solid	05/10/13 14:25	05/11/13 02:00
480-38154-17	SPT-29(1.0-2.0)	Solid	05/10/13 15:00	05/11/13 02:00
480-38154-18	DPT-29(6.0-7.0)	Solid	05/10/13 15:15	05/11/13 02:00
480-38154-19	FD051013	Solid	05/10/13 00:00	05/11/13 02:00

TestAmerica Buffalo

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

Chain of Custody Record

TAL-4124 (1007)

Client TREC Env		Project Manager Rick Totino		Date 5/10/13	Chain of Custody Number 223865
Address 10 Maxwell Dr		Telephone Number (Area Code)/Fax Number 518-281-5436		Lab Number	Page 1 of 2
City Clifton Park	State NY	Zip Code 12065	Site Contact R. Totino	Analysis (Attach list if more space is needed)	
Project Name and Location (State) Troy Chevrolet, Troy, NY			Lab Contact M. Deyo		
Contract/Purchase Order/Quote No.			Carrier/Waybill Number		

Special Instructions/
Conditions of Receipt

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix					Containers & Preservatives					Analysis (Attach list if more space is needed)
			Air	Aqueous	Sed	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc	
DPT-20 (12.0-12.5)	5/10/13	08:30											X VOC 8260
DPT-21 (3.0-3.5)	↓	09:20											X VOC 8260
DPT-21 (21.5-22.0)		09:40											X VOC 8260
DPT-15 (10.0-11.0)		11:00											X VOC 8260
DPT-15 (17.0-17.5)		11:10											X VOC 8260
DPT-16 (9.5-10.0)		13:00											X VOC 8260
DPT-17 (18.5-19.0)		13:30											X VOC 8260
DPT-18 (3.5-4.0)		14:30											X VOC 8260
DPT-19 (15.5-16.0)		15:30											X VOC 8260
DPT-22 (13.5-14.0)		10:00											X VOC 8260
DPT-23 (2.5-3.0)		11:15											X VOC 8260
DPT-24 (9.0-10.0)		12:00											X VOC 8260

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____	QC Requirements (Specify) 1. Received By <i>[Signature]</i> Date 5/10/13 Time 16:00 2. Relinquished By <i>[Signature]</i> Date 5/10/13 Time 16:00 3. Relinquished By <i>[Signature]</i> Date 5/11/13 Time 2:00
Comments 5.7.7	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Drinking Water? Yes ☐ No ☐

Possible Hazard Identification				Sample Disposal				(A fee may be assessed if samples are retained longer than 1 month)			
☐ Non-Hazard	☐ Flammable	☐ Skin Irritant	☐ Poison B	☒ Unknown	☐ Return To Client	☒ Disposal By Lab	☐ Archive For	Months			
Turn Around Time Required											
☐ 24 Hours	☐ 48 Hours	☐ 7 Days	☐ 14 Days	☐ 21 Days	☐ Other						
1. Relinquished By				Date				Time			
[Signature]				5/10/13				16:00			
2. Relinquished By				Date				Time			
[Signature]				5/10/13				16:00			
3. Relinquished By				Date				Time			
[Signature]				5/11/13				2:00			
Comments											
3.7 #1											

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Slays with the Sample; PINK - Field Copy

Chain of Custody Record

Client Information		Sample: <u>R. Totino</u>	Lab PM: <u>Devo, Melissa L</u>	Carrier Tracking No(s):	COC No: <u>480-35410-9070.1</u>						
Client Contact: <u>Mr. Richard Totino</u>		Phone: <u>(518) 281-5436</u>	E-Mail: <u>melissa.devo@testamericainc.com</u>		Page: <u>1 of 1</u>						
Company: <u>TRC Environmental Corp-Payne Firm</u>		Job #: <u>194098</u>									
Address: <u>10 Maxwell Drive Suite 200</u>		Analysis Requested									
City: <u>Clifton Park</u>											
State, Zip: <u>NY, 12065</u>											
Phone: <u>518-281-5436(Tel)</u>											
Email: <u>rtotino@trcsolutions.com</u>											
Project Name: <u>TRC NY CANNON</u>											
Site: <u>West Creek OSU Laundry System Sampling</u>											
Due Date Requested:		Total Number of Containers									
TAT Requested (days): <u>Standard</u>											
PO #: <u>TRC job number: 109273.0000.0000.0000.14</u>											
WO #: <u>48005173</u>											
Project #: <u>48005173</u>											
SSOW #: <u></u>											
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=water/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	RAHS (B260)	VOCs (B260)	Preservation Code	Special Instructions/Note:
DPT-01 (13.5-14.0)	5/16/13	9:15	0	S		X					
DPT-02 (4.5-5.0)		11:00				X					
DPT-03 (14.5-15.0)		11:35				X					
DPT-05 (2.5-3.0)		13:30				X					
DPT-05 (22.5-23.0)		13:40				X					
DPT-07 (11.0-11.5)	5/17/13	9:30				X					
DPT-08 (3.5-4.0)		10:30				X					
DPT-09 (22.5-23.0)		11:10				X					
DPT-10 (4.0-4.5)		13:30				X					
DPT-11 (23.0-23.5)		15:00				X					
DPT-12 (2.5-4.0)	5/18/13	8:30				X					
Possible Hazard Identification		Poison B		Unknown	Radiological	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)					
☐ Non-Hazard		☐ Flammable		☐ Skin Irritant	☐ Other (specify)	☐ Return To Client ☐ Disposal By Lab ☐ Archive For Months					
Deliverable Requested: I, II, III, IV (Other (specify))		Category B data package *		Special Instructions/QC Requirements: <u>Additional samples will be included</u>							
Empty Kit Relinquished by:		Date:		Method of Shipment:							
Relinquished by: <u>Devo, Melissa L</u>		Date/Time: <u>5/18/13 15:00</u>		Company: <u>TRC</u>		Received by: <u>Devo, Melissa L</u>					
Relinquished by: <u>Devo, Melissa L</u>		Date/Time: <u>5/18/13</u>		Company: <u>TRC</u>		Received by: <u>Devo, Melissa L</u>					
Relinquished by: <u>Devo, Melissa L</u>		Date/Time: <u>5/18/13 0930</u>		Company: <u>TRC</u>		Received by: <u>Devo, Melissa L</u>					
Custody Seal No.: <u>4.4 #1</u>		Custody Seal Intact: <u>Δ Yes Δ No</u>		Cooler Temperature(s) °C and Other Remarks:							

Chain of Custody Record

Client Information		Lab PM: Deyo, Melissa L		Carrier Tracking No(s): 480-35410-9070.1	
Client Contact: Mr. Richard Totino		Phone: (518) 281-5436		Page: 3 of 7	
Company: TRC Environmental Corp-Payne Firm		E-Mail: melissa.deyo@testamericainc.com		Job #: 194098	
Address: 10 Maxwell Drive Suite 200		Analysis Requested			
City: Clifton Park					
State, Zip: NY, 12065					
Phone: 518-281-5436(Tel)					
Email: rtotino@trcsolutions.com					
Project Name: West Nyack - Monthly System Sampling		Preservation Codes:			
Site:		A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:			
PO #:		Total Number of Containers			
TRC job number: 109273.0000.0000014		Perform MS/MSD (Yes or No)			
WO #:		Field Filtered Sample (Yes or No)			
Project #: 48005173		Matrix (V=water, S=solid, O=water/sol)			
SSOW#:		Sample Type (C=Comp, G=grab)			
Sample Date		Sample Time		Preservation Code	
DPT-13 (7.5-8.0)		5/8/13 9:00		S	
DPT-13 (15.0-15.5)		9:15		S	
DPT-14 (6.0-6.5)		11:00		S	
DPT-14 (16.0-16.5)		11:30		S	
Special Instructions/Note:		Special Instructions/Note:			
Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological					
Deliverable Requested: I, II, III, IV, Other (specify) *					
Empty Kit Relinquished by:		Date:		Time:	
Relinquished by:		Date/Time:		Company	
Relinquished by:		Date/Time:		Company	
Relinquished by:		Date/Time:		Company	
Custody Seals Intact: Δ Yes Δ No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:	

Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 480-37943-1

Login Number: 37943

List Source: TestAmerica Buffalo

List Number: 1

Creator: Wienke, Robert

Question	Answer	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	
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	
Sampling Company provided.	True	TRC
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 480-37943-1

Login Number: 38154

List Source: TestAmerica Buffalo

List Number: 1

Creator: Stau, Brandon

Question	Answer	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	
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	
Sampling Company provided.	True	trc
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

APPENDIX E

**New York State Department of Environmental Conservation comment letter dated June
20, 2014**

New York State Department of Environmental Conservation

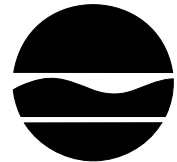
Division of Environmental Remediation

Remedial Bureau C, 11th Floor

625 Broadway, Albany, New York 12233-7014

Phone: (518) 402-9662 • **Fax:** (518) 402-9679

Website: www.dec.ny.gov



Joe Martens
Commissioner

June 26, 2014

Brian Connors
Construction Project Manager
Chevron Environmental Management Company
1200 State Street
Perth Amboy, New Jersey 08861

RE: Chevron Asphalt Terminal, Water Street, Troy, Rensselaer County
Site 442029b
RI Report

Dear Mr. Connors:

Thank you and TRC Raviv Associates for the October 30, 2013 “Remedial Investigation Report, Former Chevron Asphalt Company, Troy Asphalt Facility” (Report). As we discussed, the New York State Department of Environmental Conservation (Department) found the following deficiencies in the report:

1. Tables and Figure 3. According to the Department’s *DER-10 Technical Guidance for Site Investigation and Remediation* (DER-10), all sampling results which exceed the unrestricted soil cleanup objectives (SCO) should be summarized in tables and include the sample location, depth, results and the applicable unrestricted SCO for comparison. Specifically then, the sample values exceeding the unrestrictive use soil cleanup objectives should be highlighted. Figure 3 or a separate figure should illustrate the locations of the exceedances. As we discussed, exceedances of the restricted use – industrial SCO may also be presented.
2. Section 7. The Report must recommend that a feasibility study be undertaken to develop and evaluate, using the factors in 375-1.8(f), alternatives for all contaminated media identified by the investigation of the site.
3. Section 6.2. The thickness of the surface tar along the bank should be reported to resolve the question of the tar’s full extent.
4. Section 3.2. The Department recommends adding “or its predecessor company” after “Niagara Mohawk Power Corporation” in the second paragraph since the corporation was formed in 1950.
5. Section 2.4. Burden’s Creek is more commonly known as the Wynants Kill.

6. Section 4.1. The semivolatile organic compounds acenaphthene and fluoranthene are mistakenly reported as VOCs.
7. A certification consistent with DER-10, section 1.5(b)2 will be required for the final report.

The Department is evaluating the need for additional groundwater analytical data. As we discussed, groundwater sampling will not be needed for approval of the Report but groundwater data may be needed to confirm the effectiveness of a future implemented remedy.

Please be reminded of the Order on Consent's requirement to submit all data generated in an electronic format following the approval of a report. I will send you guidance regarding the submittal of data to the Department's database under separate cover.

If you have any questions or would like to discuss please contact me at (518) 402-9686.

Sincerely,

A handwritten signature in black ink, appearing to read "John Spellman", is centered on the page. The signature is written in a cursive, flowing style.

John Spellman, P.E.
Project Manager
Division of Environmental Remediation

ec: K. Seit – TRC
J. Potenza – TRC

bec: M. Sergott – NYSDOH
J. Quinn – R4
A. Omorogbe
J. Spellman

Appendix F

Ecology and Fish and Wildlife Impact Analysis

Appendix F Ecology and Fish and Wildlife Impact Analysis

TRC conducted a review of the U.S. Fish and Wildlife Service's Information, Planning, and Conservation System (IPAC) and NYSDEC Enviromapper databases for the site and surrounding vicinity. The project area defined for the study was defined as the site boundary. The USFWS IPAC report and NYSDEC Enviromapper results are included at the end of this Appendix.

Based on the IPAC report no federally-endangered species were identified as potentially being present in the project area and no critical habitats were identified at the site.

Based on the IPAC report the only mammal potentially present in the project area with a Critical Habitat is the Northern long-eared Bat (*Myotis septentrionalis*), a federally-proposed endangered species. However, no critical habitats were identified at the site location that would impact this species.

The USFWS IPAC report additional provided fifteen (15) birds on the Migratory Birds of Concern list for the project area. These bird species are protected under the Migratory Bird Treaty Act of 1918. No nesting behavior of any migratory bird species were identified within the project area.

An NYSDEC Enviromapper query was run for the project area and included four (4) state-threatened plants '*in the vicinity*' of the project area. These plants are not documented to exist in the project area and have not been observed since at least 1940.

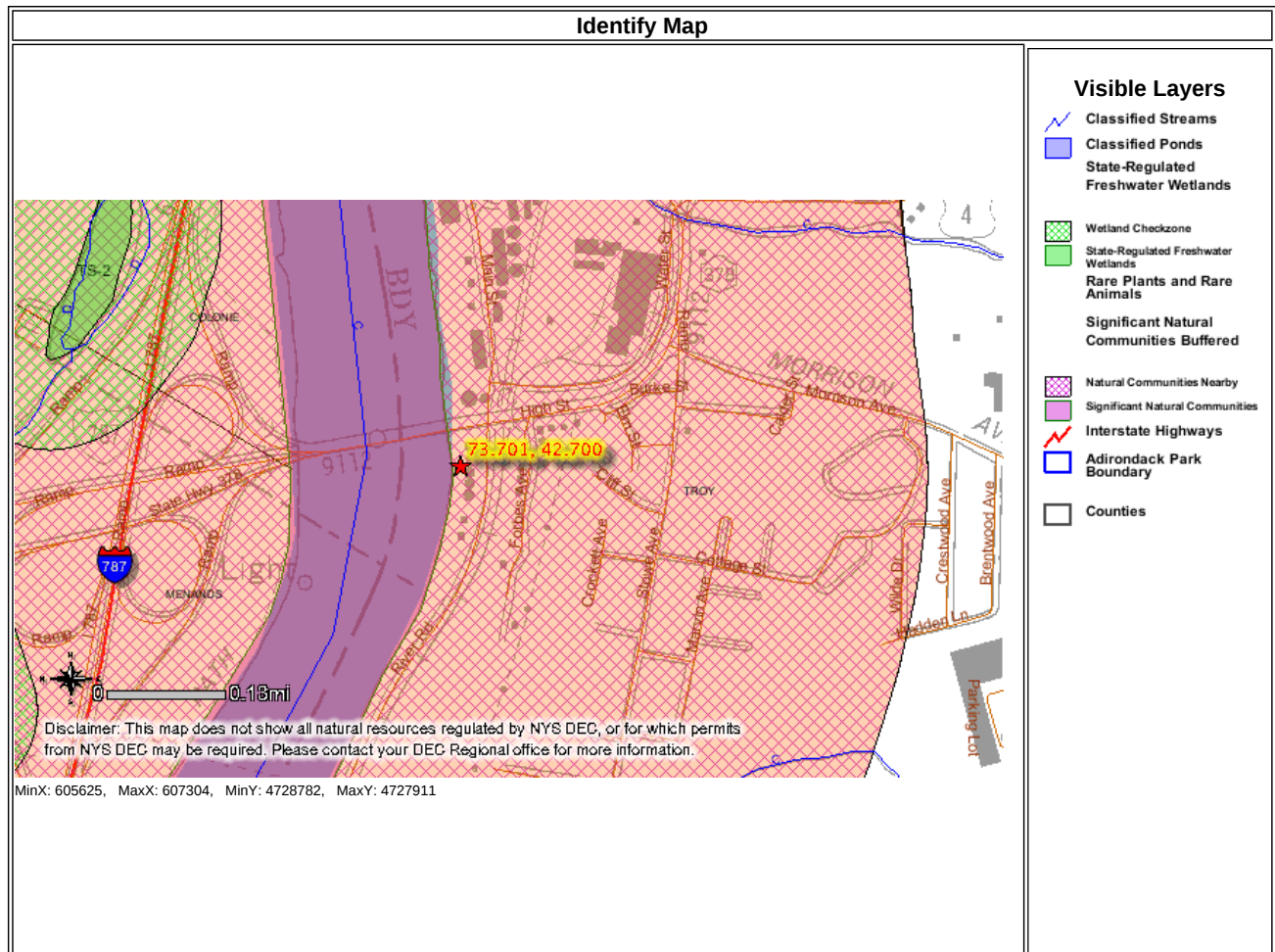
The site consists of a flat upland area and a slope to the Hudson River. The underlying fill is comprised predominantly of slag material with little or no organic material present; therefore vegetation on the upland portion is minimal, limiting potential habitat for migratory birds and/or state-threatened plants. The slope to the Hudson River is wooded with six (6) to eighteen (18)-inch diameter deciduous trees with little underbrush, which could potentially provide habitat for migratory bird species.

The adjacent Hudson River is tidal at the project location, but is not subject to erosional deposition from the site due to a berm at the top of the slope and the stabilized slope. The beach of the river is comprised of glacially derived cobbles and boulders and shale outcrops.

The goals of the Remedial Action for the site will include removal of small isolated areas of asphalt-related impacts from the surface of the upland area which will prevent the exposure of any potential wildlife to site-related impacts. The goal of the Remedial Action on the slope area will include removal of localized asphalt-related impacts, stabilization of the slope and re-vegetation; which will protect the ecosystem from potential site-related impacts and provide habitat for migratory bird species.

[\[print page\]](#) [\[close window\]](#)

Please set your printer orientation to "Landscape".



Disclaimer: This map was prepared by the New York State Department of Environmental Conservation using the most current data available. It is deemed accurate but is not guaranteed. NYS DEC is not responsible for any inaccuracies in the data and does not necessarily endorse any interpretations or products derived from the data.

[\[print page\]](#)[\[close window\]](#)**The Coordinates of the point you clicked on are:**

NYTM	E : 606383	Longitude/Latitude	W : 73.701
	N : 4728384		N : 42.700

Rare Plants and Rare Animals**This location is in the vicinity of one or more :**

Rare Animals and/or Rare Plants

Natural Communities Near This Location:

Natural Community Name	Location	Ecological System
Tidal river	Hudson River Estuary	Tidal Wetlands (Estuary)

Old or Potential Records (these records are not displayed on the map)

Common Name	Scientific Name	Date Last Documented	Location	Habitat Where Last Seen	Animal, Plant, or other	NYS Protected Status
Troublesome Sedge	Carex molesta	1940-07-09	North Albany	Waste land.	Rare Plant	Threatened
Green Rock-cress	Boechera missouriensis	1817-06	Troy		Rare Plant	Threatened
Handsome Sedge	Carex formosa	no date	Troy		Rare Plant	Threatened
Carey's Smartweed	Persicaria careyi	1937-08-30	Loudonville	Thickets. Border of swamp.	Rare Plant	Threatened

USGS Quadrangle**USGS Quadrangle Name**

TROY SOUTH

If your project or action is within or near an area with a rare animal, a permit may be required if the species is listed as endangered or threatened and the department determines the action may be harmful to the species or its habitat.

If your project or action is within or near an area with rare plants and/or significant natural communities, the environmental impacts may need to be addressed.

The presence of a unique geological feature or landform near a project, unto itself, does not trigger a requirement for a NYS DEC permit. Readers are advised, however, that there is the chance that a unique feature may also show in another data layer (ie. a wetland) and thus be subject to permit jurisdiction.

Please refer to the "Need a Permit?" tab for permit information or other authorizations regarding these natural resources.

Disclaimer: If you are considering a project or action in, or near, a wetland or a stream, a NYS DEC permit may be required. The Environmental Resources Mapper does not show all natural resources which are regulated by NYS DEC, and for which permits from NYS DEC are required. For example, Regulated Tidal Wetlands, and Wild, Scenic, and Recreational Rivers, are currently not included on the maps.



Trust Resources List

Endangered Species Act Species List ([USFWS Endangered Species Program](#))

There are a total of 1 threatened or endangered species on your species list. Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fishes may appear on the species list because a project could cause downstream effects on the species. Critical habitats listed under the **Has Critical Habitat** column may or may not lie within your project area. See the **Critical habitats within your project area** section below for critical habitat that lies within your project area. Please contact the designated FWS office if you have questions.

Species that should be considered in an effects analysis for your project:

Mammals	Status		Has Critical Habitat	Contact
northern long-eared Bat (<i>Myotis septentrionalis</i>) Population:	Proposed Endangered	species info		New York Ecological Services Field Office

Critical habitats within your project area:

There are no critical habitats within your project area.

FWS National Wildlife Refuges ([USFWS National Wildlife Refuges Program](#))

There are no refuges found within the vicinity of your project.

FWS Migratory Birds ([USFWS Migratory Bird Program](#))

The protection of birds is regulated by the Migratory Bird Treaty Act (MBTA) and the Bald and Golden Eagle Protection Act (BGEPA). Any activity, intentional or unintentional, resulting in take of migratory birds, including eagles, is prohibited unless otherwise permitted by the U.S. Fish and Wildlife Service (50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)). The MBTA has no provision for allowing take of migratory birds that may be unintentionally killed or injured by otherwise lawful activities. For more information regarding these Acts see: <http://www.fws.gov/migratorybirds/RegulationsandPolicies.html>.

All project proponents are responsible for complying with the appropriate regulations protecting birds when planning and developing a project. To meet these conservation obligations, proponents should identify potential or existing project-related impacts to migratory birds and their habitat and develop and implement conservation measures that avoid, minimize, or compensate for these impacts. The Service's Birds of Conservation Concern (2008) report identifies species, subspecies, and populations of all migratory nongame birds that, without



Trust Resources List

additional conservation actions, are likely to become listed under the Endangered Species Act as amended (16 U.S.C 1531 et seq.).

For information about Birds of Conservation Concern, go to:

<http://www.fws.gov/migratorybirds/CurrentBirdIssues/Management/BCC.html>.

To search and view summaries of year-round bird occurrence data within your project area, go to the Avian Knowledge Network Histogram Tool links in the Bird Conservation Tools section at: <http://www.fws.gov/migratorybirds/CCMB2.htm>.

For information about conservation measures that help avoid or minimize impacts to birds, please visit:

<http://www.fws.gov/migratorybirds/CCMB2.htm>.

Migratory birds of concern that may be affected by your project:

There are **15** birds on your Migratory birds of concern list. The underlying data layers used to generate the migratory bird list of concern will continue to be updated regularly as new and better information is obtained. User feedback is one method of identifying any needed improvements. Therefore, users are encouraged to submit comments about any questions regarding species ranges (e.g., a bird on the USFWS BCC list you know does not occur in the specified location appears on the list, or a BCC species that you know does occur there is not appearing on the list). Comments should be sent to [the ECOS Help Desk](#).

Species Name	Bird of Conservation Concern (BCC)	Species Profile	Seasonal Occurrence in Project Area
American bittern (<i>Botaurus lentiginosus</i>)	Yes	species info	Breeding
Bald eagle (<i>Haliaeetus leucocephalus</i>)	Yes	species info	Year-round
Black-billed Cuckoo (<i>Coccyzus erythrophthalmus</i>)	Yes	species info	Breeding
Black-crowned Night-Heron (<i>Nycticorax nycticorax</i>)	Yes	species info	Breeding
Blue-winged Warbler (<i>Vermivora pinus</i>)	Yes	species info	Breeding
Canada Warbler (<i>Wilsonia canadensis</i>)	Yes	species info	Breeding
Golden-Winged Warbler (<i>Vermivora chrysoptera</i>)	Yes	species info	Breeding
Least Bittern (<i>Ixobrychus exilis</i>)	Yes	species info	Breeding



Trust Resources List

Peregrine Falcon (<i>Falco peregrinus</i>)	Yes	species info	Breeding
Pied-billed Grebe (<i>Podilymbus podiceps</i>)	Yes	species info	Breeding
Prairie Warbler (<i>Dendroica discolor</i>)	Yes	species info	Breeding
Red-headed Woodpecker (<i>Melanerpes erythrocephalus</i>)	Yes	species info	Breeding
Short-eared Owl (<i>Asio flammeus</i>)	Yes	species info	Wintering
Upland Sandpiper (<i>Bartramia longicauda</i>)	Yes	species info	Breeding
Wood Thrush (<i>Hylocichla mustelina</i>)	Yes	species info	Breeding

NWI Wetlands ([USFWS National Wetlands Inventory](#)).

The U.S. Fish and Wildlife Service is the principal Federal agency that provides information on the extent and status of wetlands in the U.S., via the National Wetlands Inventory Program (NWI). In addition to impacts to wetlands within your immediate project area, wetlands outside of your project area may need to be considered in any evaluation of project impacts, due to the hydrologic nature of wetlands (for example, project activities may affect local hydrology within, and outside of, your immediate project area). It may be helpful to refer to the USFWS National Wetland Inventory website. The designated FWS office can also assist you. Impacts to wetlands and other aquatic habitats from your project may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal Statutes. Project Proponents should discuss the relationship of these requirements to their project with the Regulatory Program of the appropriate [U.S. Army Corps of Engineers District](#).

Data Limitations, Exclusions and Precautions

The Service's objective of mapping wetlands and deepwater habitats is to produce reconnaissance level information on the location, type and size of these resources. The maps are prepared from the analysis of high altitude imagery. Wetlands are identified based on vegetation, visible hydrology and geography. A margin of error is inherent in the use of imagery; thus, detailed on-the-ground inspection of any particular site may result in revision of the wetland boundaries or classification established through image analysis.

The accuracy of image interpretation depends on the quality of the imagery, the experience of the image analysts, the amount and quality of the collateral data and the amount of ground truth verification work conducted. Metadata should be consulted to determine the date of the source imagery used and any mapping problems.



Trust Resources List

Wetlands or other mapped features may have changed since the date of the imagery and/or field work. There may be occasional differences in polygon boundaries or classifications between the information depicted on the map and the actual conditions on site.

Exclusions - Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats include seagrasses or submerged aquatic vegetation that are found in the intertidal and subtidal zones of estuaries and nearshore coastal waters. Some deepwater reef communities (coral or tubercid worm reefs) have also been excluded from the inventory. These habitats, because of their depth, go undetected by aerial imagery.

Precautions - Federal, state, and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, state, or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate federal, state, or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.

The following wetland types intersect your project area in one or more locations:

Wetland Types	NWI Classification Code	Total Acres
Riverine	R1UBV	25166.7776